

QUALITY CONTROL REPORT-HOPPER DREDGE										PAGE NO. Page 1 of 494	
CONTRACT NO. W91278-16-D-0041 0001		CONTRACT TITLE IDIQ Rental Hopper Dredge in Mobile					CONTRACTOR Dutra Dredging Company			REPORT NO. 1	
CHARACTER OF REPORT		<input checked="" type="checkbox"/> MAINTENANCE <input type="checkbox"/> NEW WORK							DATE 02 Feb 2016 - Tuesday		
DREDGE (M/V Columbia)		HOPPER CAP: 4,387 CY		AVG VOL OF BIN WATER: 4,387 CY		AVG UNFILLED CAP: 4,387 CY					
		NO. OF CREW MEMBERS	DREDGE 15	OTHER PLANT 5	WORK SCHEDULE	SHIFTS PER DAY 2	DAYS PER WEEK 7				
LOCATION OF WORK		LOCATION CHANNEL Mobile Harbor	REACH DREDGED; STA TO STA Sta 275+00 to 255+00		DISPOSAL AREA USE ODMDS Cell 8 & 9		QTY DEPOSITED GROSS(CY) 2,635	CUMULATIVE AND QTY DEPOSIT FOR DA(CY) 2,635			
		AVG LENGTH OF CUT 2,000 FT		AVG WIDTH OF CUT 100 FT		AVG DIST TO DUMP 38 NM					
CHARACTER OF MATERIAL		DENSITY OF MATERIALS					GMS/LITER 1.045				
		DENSITY OF WATER			1.006		GMS/LITER@ 52 °F				
RIVER/TIDE STAGE		MIN 0	TIME 00:00	MAX 0	TIME 00:00	GAGE LOCATION NA					
		MIN 0	TIME 00:00	MAX 0	TIME 00:00	GAGE DATUM NA					
WEATHER CONDITION		WEATHER		TEMP (min / max)		VISIBILITY		WIND			
		Weather Caused Non-Critical Delay		45 °F / 55 °F		.1		40			
DRAFT					DISTRIBUTION OF TIME AND MILES RUN						
FORWARD	LIGHT		LOADED			AGITATING (MIN)	DREDGE & HAUL (MIN)	MILES RUN (NAUT MI)			
	8		15		EFFECTIVE WORKING TIME:						
AFT					PUMPING:						
	10		16		00:00 00:26 0.0						
DRAG DEPTH MAX 49 MIN 44					TURNING:						
INDICATORS LAST CHECKED ON 01/20/2016					00:00 00:08 0.0						
AVERAGE SPEED OF DREDGE DURING LOADING				FT/MIN	TO DUMP:						
				3	00:00 03:47 0.0						
AVERAGE SPEED OF DREDGE DURING AGITATING				FT/MIN	CONNECTING:						
				0	00:00 00:00 0.0						
GALLONS OF FUEL OIL CONSUMED				GAL	DUMPING:						
				341	00:00 00:00 0.0						
GALLONS OF WATER CONSUMED				GAL	DISCONNECTING:						
				374	00:00 00:00 0.0						
WORK PERFORMED					NON-EFFECTIVE WORKING TIME:						
DREDGING AND HAULING				AGITATING	TAKING ON FUEL AND SUPPLIES:						
NO. OF LOADS	TOTAL CYS	DISPOSAL AREA	TOTAL CYS		00:00 00:00 0.0						
1	2,635	Cell 8 & 9	0		TO AND FROM WHARF OR ANCHORAGE:						
					00:00 06:25 0.0						
					LOSS DUE TO NATURAL ELEMENTS:						
					00:00 00:00 0.0						
ATTENDANT PLANT					LOSS DUE TO TRAFFIC AND BRIDGES						
ITEM	NAME OR NUMBER		H.P.	HOURS	MINOR OPERATING REPAIRS:						
40' Crewboat	Cape Anne		400	12:00	00:00 00:00 0.0						
					TRANSFERRING BETWEEN WORKS:						
					00:00 12:14 0.0						
					LAY TIME:						
					00:00 00:00 0.0						
					FIRE AND BOAT DRILLS:						
					00:00 00:00 0.0						
					MISCELLANEOUS:						
					00:00 01:00 0.0						
					TOTALS:						
					00:00 19:39 0.0						
LOST TIME:											
					MAJOR REPAIRS AND ALTERATIONS:						
					00:00 00:00 0.0						
					CESSATION:						
					00:00 00:00 0.0						
					COLLISIONS:						
					00:00 00:00 0.0						
					TOTALS:						
					00:00 00:00 0.0						
					TOTAL TIME/MILES:						
					00:00 24:00 0.0						

QUALITY CONTROL REPORT-HOPPER DREDGE					PAGE NO. <div>Page 2 of 494</div>	
CONTRACT NO. W91278-16-D-0041 0001		CONTRACT TITLE IDIQ Rental Hopper Dredge in Mobile		CONTRACTOR Dutra Dredging Company		REPORT NO. 1
DREDGE		NAME AND TYPE M/V Columbia			DATE 02 Feb 2016 - Tuesday	
LOADS						
LOAD NUMBER	DREDGING AREA DISPOSAL AREA		START TIME STOP TIME (HH:MM)	PUMPING TURNING (MIN)	TO DUMP DUMPING TO CUT (MIN)	TOTAL TIME DREDGED AMOUNT AGITATED AMOUNT (MIN/CYS)
1	Sta 275+00 to 255+00 Cell 8 & 9		13:14 13:48	26 8	227 0 0	261 2,635 0
QC NARRATIVE(S) GENERAL COMMENTS Started Contract, Water test 9:07 to 10:07, First load 13:14 dredging till 17:35 on Anchor for Weather						

QUALITY CONTROL REPORT-HOPPER DREDGE										PAGE NO. Page 3 of 494								
CONTRACT NO. W91278-16-D-0041 0001		CONTRACT TITLE IDIQ Rental Hopper Dredge in Mobile					CONTRACTOR Dutra Dredging Company			REPORT NO. 2								
CHARACTER OF REPORT		<input checked="" type="checkbox"/> MAINTENANCE <input type="checkbox"/> NEW WORK							DATE 03 Feb 2016 - Wednesday									
DREDGE (M/V Columbia)		HOPPER CAP: 4,387 CY		AVG VOL OF BIN WATER: 4,387 CY		AVG UNFILLED CAP: 4,387 CY												
		NO. OF CREW MEMBERS	DREDGE 15	OTHER PLANT 5	WORK SCHEDULE	SHIFTS PER DAY 2	DAYS PER WEEK 7											
LOCATION OF WORK		LOCATION CHANNEL Mobile Harbor		REACH DREDGED; STA TO STA Sta 985+00 1060+00		DISPOSAL AREA USE ODMDS Cell 8 & 9		QTY DEPOSITED GROSS(CY) 2,635		CUMULATIVE AND QTY DEPOSIT FOR DA(CY) 5,270								
		AVG LENGTH OF CUT 7,500 FT		AVG WIDTH OF CUT 100 FT		AVG DIST TO DUMP 25 NM												
CHARACTER OF MATERIAL		DENSITY OF MATERIALS						GMS/LITER 1.045										
		DENSITY OF WATER			1.006			GMS/LITER@ 52 °F										
RIVER/TIDE STAGE		MIN 0	TIME 00:00	MAX 0	TIME 00:00	GAGE LOCATION East Fowl River												
		MIN 0	TIME 00:00	MAX 0	TIME 00:00	GAGE DATUM MLLW												
WEATHER CONDITION		WEATHER			TEMP (min / max)		VISIBILITY		WIND									
		Weather Caused Non-Critical Delay			42 °F / 50 °F		.1		40									
DRAFT					DISTRIBUTION OF TIME AND MILES RUN													
FORWARD		LIGHT		LOADED				AGITATING (MIN)		DREDGE & HAUL (MIN)		MILES RUN (NAUT MI)						
		8		15		EFFECTIVE WORKING TIME:												
AFT		10		16		PUMPING:		00:00		01:05		0.0						
						TURNING:		00:00		00:00		0.0						
DRAG DEPTH MAX 49 MIN 44					TO DUMP:		00:00		05:05		0.0							
					CONNECTING:		00:00		00:00		0.0							
INDICATORS LAST CHECKED ON 01/20/2016					DUMPING:		00:00		00:08		0.0							
					DISCONNECTING:		00:00		00:00		0.0							
AVERAGE SPEED OF DREDGE DURING LOADING							FT/MIN		3		TO CUT:		00:00		05:32		0.0	
AVERAGE SPEED OF DREDGE DURING AGITATING							FT/MIN		0		TOTALS:		00:00		11:50		0.0	
GALLONS OF FUEL OIL CONSUMED							GAL		1,244		NON-EFFECTIVE WORKING TIME:							
GALLONS OF WATER CONSUMED							GAL		75		TAKING ON FUEL AND SUPPLIES:		00:00		00:00		0.0	
WORK PERFORMED											TO AND FROM WHARF OR ANCHORAGE:		00:00		00:00		0.0	
													LOSS DUE TO NATURAL ELEMENTS:		00:00		12:10	
DREDGING AND HAULING				AGITATING						LOSS DUE TO TRAFFIC AND BRIDGES		00:00		00:00		0.0		
NO. OF LOADS	TOTAL CYS	DISPOSAL AREA		TOTAL CYS						MINOR OPERATING REPAIRS:		00:00		00:00		0.0		
3	2,635	Cell 8 & 9		0						TRANSFERRING BETWEEN WORKS:		00:00		00:00		0.0		
										LAY TIME:		00:00		00:00		0.0		
										FIRE AND BOAT DRILLS:		00:00		00:00		0.0		
ATTENDANT PLANT											MISCELLANEOUS:		00:00		00:00		0.0	
													TOTALS:		00:00		12:10	
ITEM		NAME OR NUMBER		H.P.		HOURS		LOST TIME:										
40' Crewboat		Cape Anne		400		12:00												
										MAJOR REPAIRS AND ALTERATIONS:		00:00		00:00		0.0		
										CESSATION:		00:00		00:00		0.0		
										COLLISIONS:		00:00		00:00		0.0		
										TOTALS:		00:00		00:00		0.0		
										TOTAL TIME/MILES:		00:00		24:00		0.0		

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CONTRACT NO. W91278-16-D-0041 0001		CONTRACT TITLE IDIQ Rental Hopper Dredge in Mobile		CONTRACTOR Dutra Dredging Company		REPORT NO. 2
DREDGE		NAME AND TYPE M/V Columbia			DATE 03 Feb 2016 - Wednesday	
LOADS						
LOAD NUMBER	DREDGING AREA DISPOSAL AREA	START TIME STOP TIME (HH:MM)	PUMPING TURNING (MIN)	TO DUMP DUMPING TO CUT (MIN)	TOTAL TIME DREDGED AMOUNT AGITATED AMOUNT (MIN/CYS)	
1	Sta 275+00 to 255+00 Cell 8 & 9	12:10 12:11	1 0	57 4 0	62 0 0	
2	Sta 985+00 to 1060+00 Cell 8 & 9	13:12 13:42	30 0	145 4 165	344 2,635 0	
3	Sta 985+00 to 1060+00 Cell 8 & 9	18:56 19:30	34 0	103 0 167	304 0 0	
QC NARRATIVE(S) GENERAL COMMENTS 710 minutes @ 100% 730 minutes @ 70% Weather						

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CONTRACT NO. W91278-16-D-0041 0001		CONTRACT TITLE IDIQ Rental Hopper Dredge in Mobile					CONTRACTOR Dutra Dredging Company			REPORT NO. 3	
CHARACTER OF REPORT		<input checked="" type="checkbox"/> MAINTENANCE <input type="checkbox"/> NEW WORK							DATE 04 Feb 2016 - Thursday		
DREDGE (M/V Columbia)		HOPPER CAP: 4,387 CY		AVG VOL OF BIN WATER: 4,387 CY		AVG UNFILLED CAP: 4,387 CY					
		NO. OF CREW MEMBERS	DREDGE 15	OTHER PLANT 5	WORK SCHEDULE	SHIFTS PER DAY 2	DAYS PER WEEK 7				
LOCATION OF WORK		LOCATION CHANNEL Mobile Harbor	REACH DREDGED; STA TO STA Sta 985+00 1060+00		DISPOSAL AREA USE ODMDS Cell 8 & 9		QTY DEPOSITED GROSS(CY) 13,175	CUMULATIVE AND QTY DEPOSIT FOR DA(CY) 18,445			
		AVG LENGTH OF CUT 7,500 FT		AVG WIDTH OF CUT 100 FT		AVG DIST TO DUMP 25 NM					
CHARACTER OF MATERIAL		DENSITY OF MATERIALS						GMS/LITER 1.045			
		DENSITY OF WATER			1.006			GMS/LITER@ 52 °F			
RIVER/TIDE STAGE		MIN 0	TIME 00:00	MAX 0	TIME 00:00	GAGE LOCATION East Fowl River					
		MIN 0	TIME 00:00	MAX 0	TIME 00:00	GAGE DATUM MLLW					
WEATHER CONDITION		WEATHER Weather Caused No Delay		TEMP (min / max) 42 °F / 55 °F		VISIBILITY 10		WIND 28			
DRAFT					DISTRIBUTION OF TIME AND MILES RUN						
FORWARD	LIGHT		LOADED			AGITATING (MIN)	DREDGE & HAUL (MIN)	MILES RUN (NAUT MI)			
	8		15		EFFECTIVE WORKING TIME:						
AFT	10		16		PUMPING:	00:00	02:04	0.0			
					TURNING:	00:00	00:00	0.0			
DRAG DEPTH MAX 49 MIN 44				TO DUMP:		00:00	10:06	0.0			
				CONNECTING:		00:00	00:00	0.0			
INDICATORS LAST CHECKED ON 01/20/2016				DUMPING:		00:00	00:20	0.0			
				DISCONNECTING:		00:00	00:00	0.0			
AVERAGE SPEED OF DREDGE DURING LOADING			FT/MIN		TO CUT:	00:00	11:30	0.0			
			3		TOTALS:	00:00	24:00	0.0			
AVERAGE SPEED OF DREDGE DURING AGITATING			FT/MIN		NON-EFFECTIVE WORKING TIME:						
			0		TAKING ON FUEL AND SUPPLIES:	00:00	00:00	0.0			
GALLONS OF FUEL OIL CONSUMED			GAL		TO AND FROM WHARF OR ANCHORAGE:	00:00	00:00	0.0			
			2,493		LOSS DUE TO NATURAL ELEMENTS:	00:00	00:00	0.0			
GALLONS OF WATER CONSUMED			GAL		LOSS DUE TO TRAFFIC AND BRIDGES	00:00	00:00	0.0			
			1,122		MINOR OPERATING REPAIRS:	00:00	00:00	0.0			
WORK PERFORMED				TRANSFERRING BETWEEN WORKS:		00:00	00:00	0.0			
DREDGING AND HAULING			AGITATING		LAY TIME:	00:00	00:00	0.0			
NO. OF LOADS	TOTAL CYS	DISPOSAL AREA	TOTAL CYS		FIRE AND BOAT DRILLS:	00:00	00:00	0.0			
6	13,175	Cell 8 & 9	0		MISCELLANEOUS:	00:00	00:00	0.0			
					TOTALS:	00:00	00:00	0.0			
					LOST TIME:						
					MAJOR REPAIRS AND ALTERATIONS:	00:00	00:00	0.0			
					CESSATION:	00:00	00:00	0.0			
					COLLISIONS:	00:00	00:00	0.0			
					TOTALS:	00:00	00:00	0.0			
					TOTAL TIME/MILES:	00:00	24:00	0.0			
RMS FORM 27A											

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CONTRACT NO. W91278-16-D-0041 0001		CONTRACT TITLE IDIQ Rental Hopper Dredge in Mobile		CONTRACTOR Dutra Dredging Company		REPORT NO. 3
DREDGE		NAME AND TYPE M/V Columbia			DATE 04 Feb 2016 - Thursday	
LOADS						
LOAD NUMBER	DREDGING AREA DISPOSAL AREA	START TIME STOP TIME (HH:MM)	PUMPING TURNING (MIN)	TO DUMP DUMPING TO CUT (MIN)	TOTAL TIME DREDGED AMOUNT AGITATED AMOUNT (MIN/CYS)	
1	Sta 985+00 to 1060+00 Cell 8 & 9	00:00 00:01	1 0	31 4 0	36 2,635 0	
2	Sta 985+00 to 1060+00 Cell 8 & 9	00:36 01:07	31 0	136 4 167	338 2,635 0	
3	Sta 985+00 to 1060+00 Cell 8 & 9	06:14 06:47	33 0	156 4 183	376 2,635 0	
4	Sta 985+00 to 1060+00 Cell 8 & 9	12:30 12:57	27 0	141 4 146	318 2,635 0	
5	Sta 985+00 to 1060+00 Cell 8 & 9	17:48 18:19	31 0	142 4 181	358 2,635 0	
6	Sta 985+00 to 1060+00 Cell 8 & 9	23:46 23:47	1 0	0 0 13	14 0 0	
<div>QC NARRATIVE(S)</div> <div>GENERAL COMMENTS</div> <div>1440 minutes @ 100%</div>						

QUALITY CONTROL REPORT-HOPPER DREDGE										PAGE NO. Page 7 of 494							
CONTRACT NO. W91278-16-D-0041 0001		CONTRACT TITLE IDIQ Rental Hopper Dredge in Mobile					CONTRACTOR Dutra Dredging Company			REPORT NO. 4							
CHARACTER OF REPORT		<input checked="" type="checkbox"/> MAINTENANCE <input type="checkbox"/> NEW WORK							DATE 05 Feb 2016 - Friday								
DREDGE (M/V Columbia)		HOPPER CAP: 4,387 CY		AVG VOL OF BIN WATER: 4,387 CY		AVG UNFILLED CAP: 4,387 CY											
		NO. OF CREW MEMBERS	DREDGE 15	OTHER PLANT 5	WORK SCHEDULE	SHIFTS PER DAY 2	DAYS PER WEEK 7										
LOCATION OF WORK		LOCATION CHANNEL Mobile Harbor		REACH DREDGED; STA TO STA Sta 985+00 1060+00		DISPOSAL AREA USE ODMDS Cell 8 & 9		QTY DEPOSITED GROSS(CY) 10,540		CUMULATIVE AND QTY DEPOSIT FOR DA(CY) 28,985							
		AVG LENGTH OF CUT 7,500 FT		AVG WIDTH OF CUT 400 FT		AVG DIST TO DUMP 25 NM											
CHARACTER OF MATERIAL		DENSITY OF MATERIALS						GMS/LITER 1.045									
		DENSITY OF WATER				1.006		GMS/LITER@ 52 °F									
RIVER/TIDE STAGE		MIN 0	TIME 00:00	MAX 0	TIME 00:00	GAGE LOCATION East Fowl River											
		MIN 0	TIME 00:00	MAX 0	TIME 00:00	GAGE DATUM MLLW											
WEATHER CONDITION		WEATHER Weather Caused No Delay			TEMP (min / max) 32 °F / 55 °F		VISIBILITY 10		WIND 13								
DRAFT					DISTRIBUTION OF TIME AND MILES RUN												
FORWARD		LIGHT		LOADED				AGITATING (MIN)		DREDGE & HAUL (MIN)		MILES RUN (NAUT MI)					
		8		15		EFFECTIVE WORKING TIME:											
AFT		10		16		PUMPING:		00:00		02:18		0.0					
						TURNING:		00:00		00:05		0.0					
DRAG DEPTH MAX 49 MIN 44					TO DUMP:		00:00		09:50		0.0						
					CONNECTING:		00:00		00:00		0.0						
INDICATORS LAST CHECKED ON 01/20/2016					DUMPING:		00:00		00:16		0.0						
					DISCONNECTING:		00:00		00:00		0.0						
AVERAGE SPEED OF DREDGE DURING LOADING						FT/MIN		3		TO CUT:		00:00		11:31		0.0	
AVERAGE SPEED OF DREDGE DURING AGITATING						FT/MIN		0		TOTALS:		00:00		24:00		0.0	
GALLONS OF FUEL OIL CONSUMED						GAL		2,485		NON-EFFECTIVE WORKING TIME:							
GALLONS OF WATER CONSUMED						GAL		748		TAKING ON FUEL AND SUPPLIES:		00:00		00:00		0.0	
WORK PERFORMED					TO AND FROM WHARF OR ANCHORAGE:		00:00		00:00		0.0						
DREDGING AND HAULING				AGITATING		LOSS DUE TO NATURAL ELEMENTS:		00:00		00:00		0.0					
NO. OF LOADS	TOTAL CYS	DISPOSAL AREA		TOTAL CYS		LOSS DUE TO TRAFFIC AND BRIDGES		00:00		00:00		0.0					
5	10,540	Cell 8 & 9		0		MINOR OPERATING REPAIRS:		00:00		00:00		0.0					
						TRANSFERRING BETWEEN WORKS:		00:00		00:00		0.0					
						LAY TIME:		00:00		00:00		0.0					
						FIRE AND BOAT DRILLS:		00:00		00:00		0.0					
ATTENDANT PLANT					MISCELLANEOUS:		00:00		00:00		0.0						
ITEM		NAME OR NUMBER		H.P.	HOURS	TOTALS:		00:00		00:00		0.0					
40' Crewboat		Cape Anne		400	12:00	LOST TIME:											
						MAJOR REPAIRS AND ALTERATIONS:		00:00		00:00		0.0					
						CESSATION:		00:00		00:00		0.0					
						COLLISIONS:		00:00		00:00		0.0					
						TOTALS:		00:00		00:00		0.0					
						TOTAL TIME/MILES:		00:00		24:00		0.0					

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CONTRACT NO. W91278-16-D-0041 0001	CONTRACT TITLE IDIQ Rental Hopper Dredge in Mobile	CONTRACTOR Dutra Dredging Company	REPORT NO. 4
DREDGE	NAME AND TYPE M/V Columbia	DATE 05 Feb 2016 - Friday	

LOADS					
LOAD NUMBER	DREDGING AREA DISPOSAL AREA	START TIME STOP TIME (HH:MM)	PUMPING TURNING (MIN)	TO DUMP DUMPING TO CUT (MIN)	TOTAL TIME DREDGED AMOUNT AGITATED AMOUNT (MIN/CYS)
1	Sta 985+00 to 1060+00 Cell 8 & 9	00:00 00:30	30 0	140 4 146	320 2,635 0
2	Sta 985+00 to 1060+00 Cell 8 & 9	05:20 06:04	39 5	153 4 144	345 2,635 0
3	Sta 985+00 to 1060+00 Cell 8 & 9	11:05 11:41	36 0	147 4 160	347 2,635 0
4	Sta 985+00 to 1060+00 Cell 8 & 9	16:52 17:24	32 0	150 4 174	360 2,635 0
5	Sta 985+00 to 1060+00 Cell 8 & 9	22:52 22:53	1 0	0 0 67	68 0 0

QC NARRATIVE(S)

GENERAL COMMENTS

1440 minutes @ 100%

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CONTRACT NO. W91278-16-D-0041 0001		CONTRACT TITLE IDIQ Rental Hopper Dredge in Mobile					CONTRACTOR Dutra Dredging Company			REPORT NO. 5					
CHARACTER OF REPORT		<input checked="" type="checkbox"/> MAINTENANCE <input type="checkbox"/> NEW WORK							DATE 06 Feb 2016 - Saturday						
DREDGE (M/V Columbia)		HOPPER CAP: 4,387 CY		AVG VOL OF BIN WATER: 4,387 CY		AVG UNFILLED CAP: 4,387 CY									
		NO. OF CREW MEMBERS	DREDGE 15	OTHER PLANT 5	WORK SCHEDULE	SHIFTS PER DAY 2	DAYS PER WEEK 7								
LOCATION OF WORK		LOCATION CHANNEL Mobile Harbor		REACH DREDGED; STA TO STA Sta 985+00 1060+00		DISPOSAL AREA USE ODMDS Cell 8 & 9		QTY DEPOSITED GROSS(CY) 10,540		CUMULATIVE AND QTY DEPOSIT FOR DA(CY) 39,525					
		AVG LENGTH OF CUT 7,500 FT		AVG WIDTH OF CUT 400 FT		AVG DIST TO DUMP 25 NM									
CHARACTER OF MATERIAL		DENSITY OF MATERIALS						GMS/LITER 1.045							
		DENSITY OF WATER				1.006		GMS/LITER@ 52 °F							
RIVER/TIDE STAGE		MIN 1	TIME 00:00	MAX 0	TIME 00:00	GAGE LOCATION East Fowl River									
		MIN 1	TIME 00:00	MAX 0	TIME 00:00	GAGE DATUM MLLW									
WEATHER CONDITION		WEATHER Weather Caused No Delay			TEMP (min / max) 32 °F / 46 °F		VISIBILITY 10		WIND 7						
DRAFT					DISTRIBUTION OF TIME AND MILES RUN										
FORWARD		LIGHT		LOADED				AGITATING (MIN)		DREDGE & HAUL (MIN)		MILES RUN (NAUT MI)			
		8		15		EFFECTIVE WORKING TIME:									
AFT		10		16		PUMPING:		00:00		02:32		0.0			
						TURNING:		00:00		00:25		0.0			
						TO DUMP:		00:00		09:41		0.0			
						CONNECTING:		00:00		00:00		0.0			
						DUMPING:		00:00		00:16		0.0			
						DISCONNECTING:		00:00		00:00		0.0			
						TO CUT:		00:00		11:06		0.0			
						TOTALS:		00:00		24:00		0.0			
DRAG DEPTH MAX 49 MIN 44															
INDICATORS LAST CHECKED ON 01/20/2016															
AVERAGE SPEED OF DREDGE DURING LOADING				FT/MIN		3		NON-EFFECTIVE WORKING TIME:							
AVERAGE SPEED OF DREDGE DURING AGITATING				FT/MIN		0		TAKING ON FUEL AND SUPPLIES:		00:00		00:00		0.0	
GALLONS OF FUEL OIL CONSUMED				GAL		2,699		TO AND FROM WHARF OR ANCHORAGE:		00:00		00:00		0.0	
GALLONS OF WATER CONSUMED				GAL		561		LOSS DUE TO NATURAL ELEMENTS:		00:00		00:00		0.0	
WORK PERFORMED															
DREDGING AND HAULING				AGITATING											
NO. OF LOADS		TOTAL CYS		DISPOSAL AREA		TOTAL CYS		LOSS DUE TO TRAFFIC AND BRIDGES		00:00		00:00		0.0	
5		10,540		Cell 8 & 9		0		MINOR OPERATING REPAIRS:		00:00		00:00		0.0	
								TRANSFERRING BETWEEN WORKS:		00:00		00:00		0.0	
								LAY TIME:		00:00		00:00		0.0	
								FIRE AND BOAT DRILLS:		00:00		00:00		0.0	
								MISCELLANEOUS:		00:00		00:00		0.0	
								TOTALS:		00:00		00:00		0.0	
ATTENDANT PLANT															
ITEM		NAME OR NUMBER		H.P.		HOURS		LOST TIME:							
40' Crewboat		Cape Anne		400		12:00		MAJOR REPAIRS AND ALTERATIONS:		00:00		00:00		0.0	
								CESSATION:		00:00		00:00		0.0	
								COLLISIONS:		00:00		00:00		0.0	
								TOTALS:		00:00		00:00		0.0	
								TOTAL TIME/MILES:		00:00		24:00		0.0	

QUALITY CONTROL REPORT-HOPPER DREDGE					PAGE NO. <div>Page 10 of 494</div>	
CONTRACT NO. W91278-16-D-0041 0001		CONTRACT TITLE IDIQ Rental Hopper Dredge in Mobile		CONTRACTOR Dutra Dredging Company		REPORT NO. 5
DREDGE		NAME AND TYPE M/V Columbia			DATE 06 Feb 2016 - Saturday	
LOADS						
LOAD NUMBER	DREDGING AREA DISPOSAL AREA	START TIME STOP TIME (HH:MM)	PUMPING TURNING (MIN)	TO DUMP DUMPING TO CUT (MIN)	TOTAL TIME DREDGED AMOUNT AGITATED AMOUNT (MIN/CYS)	
1	Sta 985+00 to 1060+00 Cell 8 & 9	00:00 00:54	36 18	131 4 93	282 2,635 0	
2	Sta 985+00 to 1060+00 Cell 8 & 9	04:42 05:42	53 7	144 4 152	360 2,635 0	
3	Sta 985+00 to 1060+00 Cell 8 & 9	10:42 11:09	27 0	149 4 190	370 2,635 0	
4	Sta 985+00 to 1060+00 Cell 8 & 9	16:52 17:27	35 0	157 4 134	330 2,635 0	
5	Sta 985+00 to 1060+00 Cell 8 & 9	22:22 22:23	1 0	0 0 97	98 0 0	
<div>QC NARRATIVE(S)</div> <div>GENERAL COMMENTS</div> <div>1440 minutes @ 100%</div>						

QUALITY CONTROL REPORT-HOPPER DREDGE										PAGE NO. Page 11 of 494										
CONTRACT NO. W91278-16-D-0041 0001		CONTRACT TITLE IDIQ Rental Hopper Dredge in Mobile					CONTRACTOR Dutra Dredging Company			REPORT NO. 6										
CHARACTER OF REPORT		<input checked="" type="checkbox"/> MAINTENANCE <input type="checkbox"/> NEW WORK							DATE 07 Feb 2016 - Sunday											
DREDGE (M/V Columbia)		HOPPER CAP: 4,387 CY		AVG VOL OF BIN WATER: 4,387 CY		AVG UNFILLED CAP: 4,387 CY														
		NO. OF CREW MEMBERS	DREDGE 15	OTHER PLANT 5	WORK SCHEDULE	SHIFTS PER DAY 2	DAYS PER WEEK 7													
LOCATION OF WORK		LOCATION CHANNEL Mobile Harbor		REACH DREDGED; STA TO STA Sta 985+00 1060+00		DISPOSAL AREA USE ODMDS Cell 8 & 9		QTY DEPOSITED GROSS(CY) 10,540		CUMULATIVE AND QTY DEPOSIT FOR DA(CY) 50,065										
		AVG LENGTH OF CUT 7,500 FT		AVG WIDTH OF CUT 400 FT		AVG DIST TO DUMP 25 NM														
CHARACTER OF MATERIAL		DENSITY OF MATERIALS						GMS/LITER 1.045												
		DENSITY OF WATER			1.006			GMS/LITER@ 52 °F												
RIVER/TIDE STAGE		MIN 1	TIME 00:00	MAX 0	TIME 00:00	GAGE LOCATION East Fowl River														
		MIN 0	TIME 00:00	MAX 0	TIME 00:00	GAGE DATUM MLLW														
WEATHER CONDITION		WEATHER Weather Caused No Delay			TEMP (min / max) 35 °F / 58 °F		VISIBILITY 10		WIND 21											
DRAFT					DISTRIBUTION OF TIME AND MILES RUN															
FORWARD		LIGHT		LOADED				AGITATING (MIN)		DREDGE & HAUL (MIN)		MILES RUN (NAUT MI)								
		8		15		EFFECTIVE WORKING TIME:														
AFT		10		16		PUMPING:		00:00		02:05		0.0								
						TURNING:		00:00		00:08		0.0								
DRAG DEPTH MAX 49 MIN 44					TO DUMP:		00:00		10:10		0.0									
					CONNECTING:		00:00		00:00		0.0									
INDICATORS LAST CHECKED ON 01/20/2016					DUMPING:		00:00		00:16		0.0									
					DISCONNECTING:		00:00		00:00		0.0									
AVERAGE SPEED OF DREDGE DURING LOADING							FT/MIN		3		TO CUT:		00:00		11:21		0.0			
AVERAGE SPEED OF DREDGE DURING AGITATING							FT/MIN		0		TOTALS:		00:00		24:00		0.0			
GALLONS OF FUEL OIL CONSUMED							GAL		2,376		NON-EFFECTIVE WORKING TIME:									
GALLONS OF WATER CONSUMED							GAL		748		TAKING ON FUEL AND SUPPLIES:		00:00		00:00		0.0			
WORK PERFORMED					DREDGING AND HAULING		AGITATING		TO AND FROM WHARF OR ANCHORAGE:		00:00		00:00		0.0					
									LOSS DUE TO NATURAL ELEMENTS:		00:00		00:00		0.0					
NO. OF LOADS		TOTAL CYS		DISPOSAL AREA		TOTAL CYS		LOSS DUE TO TRAFFIC AND BRIDGES		00:00		00:00		0.0						
5		10,540		Cell 8 & 9		0		MINOR OPERATING REPAIRS:		00:00		00:00		0.0						
								TRANSFERRING BETWEEN WORKS:		00:00		00:00		0.0						
								LAY TIME:		00:00		00:00		0.0						
								FIRE AND BOAT DRILLS:		00:00		00:00		0.0						
ATTENDANT PLANT					ITEM		NAME OR NUMBER		H.P.		HOURS		MISCELLANEOUS:		00:00		00:00		0.0	
													TOTALS:		00:00		00:00		0.0	
40' Crewboat		Cape Anne		400		12:00		LOST TIME:												
								MAJOR REPAIRS AND ALTERATIONS:		00:00		00:00		0.0						
								CESSATION:		00:00		00:00		0.0						
								COLLISIONS:		00:00		00:00		0.0						
								TOTALS:		00:00		00:00		0.0						
								TOTAL TIME/MILES:		00:00		24:00		0.0						

QUALITY CONTROL REPORT-HOPPER DREDGE					PAGE NO. <div>Page 12 of 494</div>	
CONTRACT NO. W91278-16-D-0041 0001		CONTRACT TITLE IDIQ Rental Hopper Dredge in Mobile		CONTRACTOR Dutra Dredging Company		REPORT NO. 6
DREDGE		NAME AND TYPE M/V Columbia			DATE 07 Feb 2016 - Sunday	
LOADS						
LOAD NUMBER	DREDGING AREA DISPOSAL AREA	START TIME STOP TIME (HH:MM)	PUMPING TURNING (MIN)	TO DUMP DUMPING TO CUT (MIN)	TOTAL TIME DREDGED AMOUNT AGITATED AMOUNT (MIN/CYS)	
1	Sta 985+00 to 1060+00 Cell 8 & 9	00:00 00:37	29 8	132 4 55	228 2,635 0	
2	Sta 985+00 to 1060+00 Cell 8 & 9	03:48 04:23	35 0	173 4 170	382 2,635 0	
3	Sta 985+00 to 1060+00 Cell 8 & 9	10:10 10:42	32 0	148 4 154	338 2,635 0	
4	Sta 985+00 to 1060+00 Cell 8 & 9	15:48 16:16	28 0	157 4 154	343 2,635 0	
5	Sta 985+00 to 1060+00 Cell 8 & 9	21:31 21:32	1 0	0 0 148	149 0 0	
<div>QC NARRATIVE(S)</div> <div>GENERAL COMMENTS</div> <div>1440 minutes @ 100%</div>						

QUALITY CONTROL REPORT-HOPPER DREDGE										PAGE NO. Page 13 of 494						
CONTRACT NO. W91278-16-D-0041 0001		CONTRACT TITLE IDIQ Rental Hopper Dredge in Mobile					CONTRACTOR Dutra Dredging Company			REPORT NO. 7						
CHARACTER OF REPORT		<input checked="" type="checkbox"/> MAINTENANCE <input type="checkbox"/> NEW WORK							DATE 08 Feb 2016 - Monday							
DREDGE (M/V Columbia)		HOPPER CAP: <u>4,387</u> CY		AVG VOL OF BIN WATER: <u>4,387</u> CY		AVG UNFILLED CAP: <u>4,387</u> CY										
		NO. OF CREW MEMBERS	DREDGE	OTHER PLANT	WORK SCHEDULE	SHIFTS PER DAY		DAYS PER WEEK								
			15	5		2		7								
LOCATION OF WORK		LOCATION CHANNEL		REACH DREDGED; STA TO STA		DISPOSAL AREA USE		QTY DEPOSITED GROSS(CY)		CUMULATIVE AND QTY DEPOSIT FOR DA(CY)						
		Mobile Harbor		Sta 985+00 1060+00		ODMDS Cell 8 & 9		2,635		52,700						
		AVG LENGTH OF CUT <u>7,500</u> FT		AVG WIDTH OF CUT <u>400</u> FT		AVG DIST TO DUMP <u>25</u> NM										
CHARACTER OF MATERIAL		DENSITY OF MATERIALS						GMS/LITER <u>1.045</u>								
		DENSITY OF WATER			<u>1.006</u>			GMS/LITER@ <u>52</u> °F								
RIVER/TIDE STAGE		MIN	0	TIME	00:00	MAX	0	TIME	00:00	GAGE LOCATION East Fowl River						
		MIN	0	TIME	00:00	MAX	0	TIME	00:00	GAGE DATUM MLLW						
WEATHER CONDITION		WEATHER			TEMP (min / max)		VISIBILITY		WIND							
		Weather Caused Critical Delay			36 °F / 51 °F		10		30							
DRAFT					DISTRIBUTION OF TIME AND MILES RUN											
FORWARD		LIGHT		LOADED				AGITATING (MIN)		DREDGE & HAUL (MIN)		MILES RUN (NAUT MI)				
		8		15												
AFT		10		16		EFFECTIVE WORKING TIME:										
						PUMPING:		00:00		01:02		0.0				
						TURNING:		00:00		00:00		0.0				
						TO DUMP:		00:00		04:14		0.0				
						CONNECTING:		00:00		00:00		0.0				
						DUMPING:		00:00		00:04		0.0				
						DISCONNECTING:		00:00		00:00		0.0				
						TO CUT:		00:00		02:52		0.0				
						TOTALS:		00:00		08:12		0.0				
DRAG DEPTH MAX <u>49</u> MIN <u>44</u>					NON-EFFECTIVE WORKING TIME:											
INDICATORS LAST CHECKED ON <u>01/20/2016</u>					TAKING ON FUEL AND SUPPLIES:		00:00		00:00		0.0					
AVERAGE SPEED OF DREDGE DURING LOADING					FT/MIN		3		TO AND FROM WHARF OR ANCHORAGE:		00:00		00:00		0.0	
AVERAGE SPEED OF DREDGE DURING AGITATING					FT/MIN		0		LOSS DUE TO NATURAL ELEMENTS:		00:00		15:00		0.0	
GALLONS OF FUEL OIL CONSUMED					GAL		1,375		LOSS DUE TO TRAFFIC AND BRIDGES:		00:00		00:48		0.0	
GALLONS OF WATER CONSUMED					GAL		1,309		MINOR OPERATING REPAIRS:		00:00		00:00		0.0	
WORK PERFORMED					TRANSFERRING BETWEEN WORKS:		00:00		00:00		00:00		0.0			
DREDGING AND HAULING				AGITATING		LAY TIME:		00:00		00:00		00:00		0.0		
NO. OF LOADS	TOTAL CYS	DISPOSAL AREA		TOTAL CYS		FIRE AND BOAT DRILLS:		00:00		00:00		00:00		0.0		
2	2,635	Cell 8 & 9		0		MISCELLANEOUS:		00:00		00:00		00:00		0.0		
						TOTALS:		00:00		15:48		0.0				
ATTENDANT PLANT					LOST TIME:											
ITEM		NAME OR NUMBER		H.P.	HOURS	MAJOR REPAIRS AND ALTERATIONS:		00:00		00:00		0.0				
40' Crewboat		Cape Anne		400	12:00	CESSATION:		00:00		00:00		0.0				
						COLLISIONS:		00:00		00:00		0.0				
						TOTALS:		00:00		00:00		0.0				
						TOTAL TIME/MILES:		00:00		24:00		0.0				

QUALITY CONTROL REPORT-HOPPER DREDGE			PAGE NO. Page 14 of 494
CONTRACT NO. W91278-16-D-0041 0001	CONTRACT TITLE IDIQ Rental Hopper Dredge in Mobile	CONTRACTOR Dutra Dredging Company	REPORT NO. 7
DREDGE	NAME AND TYPE M/V Columbia	DATE 08 Feb 2016 - Monday	

LOADS					
LOAD NUMBER	DREDGING AREA DISPOSAL AREA	START TIME STOP TIME (HH:MM)	PUMPING TURNING (MIN)	TO DUMP DUMPING TO CUT (MIN)	TOTAL TIME DREDGED AMOUNT AGITATED AMOUNT (MIN/CYS)
1	Sta 985+00 to 1060+00 Cell 8 & 9	00:00	30	147	181
		00:30	0	4	2,635
				0	0
2	Sta 985+00 to 1060+00 Cell 8 & 9	03:01	32	107	311
		03:33	0	0	0
				172	0

QC NARRATIVE(S)

GENERAL COMMENTS

492 minutes @ 100%
948 minutes @ 70%

QUALITY CONTROL REPORT-HOPPER DREDGE										PAGE NO. Page 15 of 494								
CONTRACT NO. W91278-16-D-0041 0001		CONTRACT TITLE IDIQ Rental Hopper Dredge in Mobile					CONTRACTOR Dutra Dredging Company			REPORT NO. 8								
CHARACTER OF REPORT		<input checked="" type="checkbox"/> MAINTENANCE <input type="checkbox"/> NEW WORK							DATE 09 Feb 2016 - Tuesday									
DREDGE (M/V Columbia)		HOPPER CAP: 4,387 CY		AVG VOL OF BIN WATER: 4,387 CY		AVG UNFILLED CAP: 4,387 CY												
		NO. OF CREW MEMBERS	DREDGE 15	OTHER PLANT 5	WORK SCHEDULE	SHIFTS PER DAY 2	DAYS PER WEEK 7											
LOCATION OF WORK		LOCATION CHANNEL Mobile Harbor		REACH DREDGED; STA TO STA Sta 985+00 1060+00		DISPOSAL AREA USE ODMDS Cell 8 & 9		QTY DEPOSITED GROSS(CY) 7,905		CUMULATIVE AND QTY DEPOSIT FOR DA(CY) 60,605								
		AVG LENGTH OF CUT 7,500 FT		AVG WIDTH OF CUT 400 FT		AVG DIST TO DUMP 25 NM												
CHARACTER OF MATERIAL		DENSITY OF MATERIALS						GMS/LITER 1.045										
		DENSITY OF WATER			1.006			GMS/LITER@ 52 °F										
RIVER/TIDE STAGE		MIN 0	TIME 00:00	MAX 0	TIME 00:00	GAGE LOCATION East Fowl River												
		MIN 0	TIME 00:00	MAX 0	TIME 00:00	GAGE DATUM MLLW												
WEATHER CONDITION		WEATHER			TEMP (min / max)		VISIBILITY		WIND									
		Weather Caused Critical Delay			36 °F / 54 °F		10		38									
DRAFT					DISTRIBUTION OF TIME AND MILES RUN													
FORWARD		LIGHT		LOADED				AGITATING (MIN)		DREDGE & HAUL (MIN)		MILES RUN (NAUT MI)						
		8		15		EFFECTIVE WORKING TIME:												
AFT		10		16		PUMPING:		00:00		01:41		0.0						
						TURNING:		00:00		00:00		0.0						
DRAG DEPTH MAX 49 MIN 44					TO DUMP:		00:00		06:01		0.0							
					CONNECTING:		00:00		00:00		0.0							
INDICATORS LAST CHECKED ON 01/20/2016					DUMPING:		00:00		00:12		0.0							
					DISCONNECTING:		00:00		00:00		0.0							
AVERAGE SPEED OF DREDGE DURING LOADING							FT/MIN		3		TO CUT:		00:00		08:46		0.0	
AVERAGE SPEED OF DREDGE DURING AGITATING							FT/MIN		0		TOTALS:		00:00		16:40		0.0	
GALLONS OF FUEL OIL CONSUMED							GAL		2,588		NON-EFFECTIVE WORKING TIME:							
GALLONS OF WATER CONSUMED							GAL		187		TAKING ON FUEL AND SUPPLIES:		00:00		00:00		0.0	
WORK PERFORMED											TO AND FROM WHARF OR ANCHORAGE:		00:00		00:00		0.0	
													LOSS DUE TO NATURAL ELEMENTS:		00:00		07:20	
DREDGING AND HAULING				AGITATING						LOSS DUE TO TRAFFIC AND BRIDGES		00:00		00:00		0.0		
NO. OF LOADS	TOTAL CYS	DISPOSAL AREA		TOTAL CYS						MINOR OPERATING REPAIRS:		00:00		00:00		0.0		
4	7,905	Cell 8 & 9		0						TRANSFERRING BETWEEN WORKS:		00:00		00:00		0.0		
										LAY TIME:		00:00		00:00		0.0		
										FIRE AND BOAT DRILLS:		00:00		00:00		0.0		
ATTENDANT PLANT											MISCELLANEOUS:		00:00		00:00		0.0	
													TOTALS:		00:00		07:20	
ITEM		NAME OR NUMBER		H.P.		HOURS		LOST TIME:										
40' Crewboat		Cape Anne		400		12:00												
										MAJOR REPAIRS AND ALTERATIONS:		00:00		00:00		0.0		
										CESSATION:		00:00		00:00		0.0		
										COLLISIONS:		00:00		00:00		0.0		
										TOTALS:		00:00		00:00		0.0		
										TOTAL TIME/MILES:		00:00		24:00		0.0		

QUALITY CONTROL REPORT-HOPPER DREDGE			PAGE NO. Page 16 of 494
CONTRACT NO. W91278-16-D-0041 0001	CONTRACT TITLE IDIQ Rental Hopper Dredge in Mobile	CONTRACTOR Dutra Dredging Company	REPORT NO. 8
DREDGE	NAME AND TYPE M/V Columbia	DATE 09 Feb 2016 - Tuesday	

LOADS					
LOAD NUMBER	DREDGING AREA DISPOSAL AREA	START TIME STOP TIME (HH:MM)	PUMPING TURNING (MIN)	TO DUMP DUMPING TO CUT (MIN)	TOTAL TIME DREDGED AMOUNT AGITATED AMOUNT (MIN/CYS)
1	Sta 985+00 to 1060+00 Cell 8 & 9	00:00 00:01	1 0	46 4 0	51 2,635 0
2	Sta 985+00 to 1060+00 Cell 8 & 9	08:11 08:46	35 0	140 4 187	366 2,635 0
3	Sta 985+00 to 1060+00 Cell 8 & 9	14:17 14:48	31 0	147 4 173	355 2,635 0
4	Sta 985+00 to 1060+00 Cell 8 & 9	20:12 20:46	34 0	28 0 166	228 0 0

QC NARRATIVE(S)

GENERAL COMMENTS

1000 minutes @ 100%
440 minutes @ 70% weather

QUALITY CONTROL REPORT-HOPPER DREDGE										PAGE NO. Page 17 of 494											
CONTRACT NO. W91278-16-D-0041 0001		CONTRACT TITLE IDIQ Rental Hopper Dredge in Mobile					CONTRACTOR Dutra Dredging Company			REPORT NO. 9											
CHARACTER OF REPORT		<input checked="" type="checkbox"/> MAINTENANCE <input type="checkbox"/> NEW WORK							DATE 10 Feb 2016 - Wednesday												
DREDGE (M/V Columbia)		HOPPER CAP: <u>4,387</u> CY		AVG VOL OF BIN WATER: <u>4,387</u> CY		AVG UNFILLED CAP: <u>4,387</u> CY															
		NO. OF CREW MEMBERS	DREDGE	OTHER PLANT	WORK SCHEDULE	SHIFTS PER DAY		DAYS PER WEEK													
			15	5		2		7													
LOCATION OF WORK		LOCATION CHANNEL		REACH DREDGED; STA TO STA		DISPOSAL AREA USE		QTY DEPOSITED GROSS(CY)		CUMULATIVE AND QTY DEPOSIT FOR DA(CY)											
		Mobile Harbor		Sta 985+00 1060+00		ODMDS Cell 8 & 9		10,540		71,145											
		AVG LENGTH OF CUT <u>7,500</u> FT		AVG WIDTH OF CUT <u>400</u> FT		AVG DIST TO DUMP <u>25</u> NM															
CHARACTER OF MATERIAL		DENSITY OF MATERIALS						GMS/LITER <u>1.045</u>													
		DENSITY OF WATER			<u>1.006</u>			GMS/LITER@ <u>52</u> °F													
RIVER/TIDE STAGE		MIN	0	TIME	00:00	MAX	0	TIME	00:00	GAGE LOCATION East Fowl River											
		MIN	1	TIME	00:00	MAX	0	TIME	00:00	GAGE DATUM MLLW											
WEATHER CONDITION		WEATHER			TEMP (min / max)		VISIBILITY		WIND												
		Weather Caused No Delay			30 °F / 55 °F		10		15												
DRAFT						DISTRIBUTION OF TIME AND MILES RUN															
FORWARD		LIGHT		LOADED				AGITATING (MIN)		DREDGE & HAUL (MIN)		MILES RUN (NAUT MI)									
		8		15																	
AFT		10		16		EFFECTIVE WORKING TIME:															
						PUMPING:		00:00		02:02		0.0									
						TURNING:		00:00		00:05		0.0									
						TO DUMP:		00:00		11:28		0.0									
						CONNECTING:		00:00		00:00		0.0									
						DUMPING:		00:00		00:16		0.0									
						DISCONNECTING:		00:00		00:00		0.0									
						TO CUT:		00:00		10:09		0.0									
						TOTALS:		00:00		24:00		0.0									
DRAG DEPTH MAX <u>49</u> MIN <u>44</u>						NON-EFFECTIVE WORKING TIME:															
INDICATORS LAST CHECKED ON <u>01/20/2016</u>						TAKING ON FUEL AND SUPPLIES:						00:00		00:00		0.0					
AVERAGE SPEED OF DREDGE DURING LOADING						FT/MIN		3		TO AND FROM WHARF OR ANCHORAGE:						00:00		00:00		0.0	
AVERAGE SPEED OF DREDGE DURING AGITATING						FT/MIN		0		LOSS DUE TO NATURAL ELEMENTS:						00:00		00:00		0.0	
GALLONS OF FUEL OIL CONSUMED						GAL		3,093		LOSS DUE TO TRAFFIC AND BRIDGES:						00:00		00:00		0.0	
GALLONS OF WATER CONSUMED						GAL		4,512		MINOR OPERATING REPAIRS:						00:00		00:00		0.0	
WORK PERFORMED						TRANSFERRING BETWEEN WORKS:						00:00		00:00		0.0					
DREDGING AND HAULING						AGITATING		LAY TIME:						00:00		00:00		0.0			
NO. OF LOADS	TOTAL CYS	DISPOSAL AREA				TOTAL CYS		FIRE AND BOAT DRILLS:						00:00		00:00		0.0			
5	10,540	Cell 8 & 9				0		MISCELLANEOUS:						00:00		00:00		0.0			
								TOTALS:						00:00		00:00		0.0			
								LOST TIME:													
								MAJOR REPAIRS AND ALTERATIONS:						00:00		00:00		0.0			
								CESSATION:						00:00		00:00		0.0			
								COLLISIONS:						00:00		00:00		0.0			
								TOTALS:						00:00		00:00		0.0			
								TOTAL TIME/MILES:						00:00		24:00		0.0			

QUALITY CONTROL REPORT-HOPPER DREDGE					PAGE NO. Page 18 of 494	
CONTRACT NO. W91278-16-D-0041 0001		CONTRACT TITLE IDIQ Rental Hopper Dredge in Mobile		CONTRACTOR Dutra Dredging Company		REPORT NO. 9
DREDGE		NAME AND TYPE M/V Columbia			DATE 10 Feb 2016 - Wednesday	
LOADS						
LOAD NUMBER	DREDGING AREA DISPOSAL AREA	START TIME STOP TIME (HH:MM)	PUMPING TURNING (MIN)	TO DUMP DUMPING TO CUT (MIN)	TOTAL TIME DREDGED AMOUNT AGITATED AMOUNT (MIN/CYS)	
1	Sta 985+00 to 1060+00 Cell 8 & 9	00:00 00:01	1 0	114 4 0	119 2,635 0	
2	Sta 985+00 to 1060+00 Cell 8 & 9	01:59 02:29	30 0	139 4 160	333 2,635 0	
3	Sta 985+00 to 1060+00 Cell 8 & 9	07:32 08:03	31 0	134 4 164	333 2,635 0	
4	Sta 985+00 to 1060+00 Cell 8 & 9	13:05 13:42	32 5	149 4 142	332 2,635 0	
5	Sta 985+00 to 1060+00 Cell 8 & 9	18:37 19:05	28 0	152 0 143	323 0 0	
QC NARRATIVE(S) GENERAL COMMENTS 1440 minutes @ 100%						

QUALITY CONTROL REPORT-HOPPER DREDGE										PAGE NO. Page 19 of 494								
CONTRACT NO. W91278-16-D-0041 0001		CONTRACT TITLE IDIQ Rental Hopper Dredge in Mobile					CONTRACTOR Dutra Dredging Company			REPORT NO. 10								
CHARACTER OF REPORT		<input checked="" type="checkbox"/> MAINTENANCE <input type="checkbox"/> NEW WORK							DATE 11 Feb 2016 - Thursday									
DREDGE (M/V Columbia)		HOPPER CAP: 4,387 CY		AVG VOL OF BIN WATER: 4,387 CY		AVG UNFILLED CAP: 4,387 CY												
		NO. OF CREW MEMBERS	DREDGE 15	OTHER PLANT 5	WORK SCHEDULE	SHIFTS PER DAY 2	DAYS PER WEEK 7											
LOCATION OF WORK		LOCATION CHANNEL Mobile Harbor		REACH DREDGED; STA TO STA Sta 985+00 1060+00		DISPOSAL AREA USE ODMDS Cell 8 & 9		QTY DEPOSITED GROSS(CY) 13,175		CUMULATIVE AND QTY DEPOSIT FOR DA(CY) 84,320								
		AVG LENGTH OF CUT 7,500 FT		AVG WIDTH OF CUT 400 FT		AVG DIST TO DUMP 25 NM												
CHARACTER OF MATERIAL		DENSITY OF MATERIALS						GMS/LITER 1.045										
		DENSITY OF WATER			1.006			GMS/LITER@ 52 °F										
RIVER/TIDE STAGE		MIN 0	TIME 00:00	MAX 0	TIME 00:00	GAGE LOCATION East Fowl River												
		MIN 0	TIME 00:00	MAX 0	TIME 00:00	GAGE DATUM MLLW												
WEATHER CONDITION		WEATHER			TEMP (min / max)		VISIBILITY		WIND									
		Weather Caused No Delay			45 °F / 70 °F		10		26									
DRAFT					DISTRIBUTION OF TIME AND MILES RUN													
FORWARD		LIGHT		LOADED				AGITATING (MIN)		DREDGE & HAUL (MIN)		MILES RUN (NAUT MI)						
		8		15		EFFECTIVE WORKING TIME:												
AFT		10		16		PUMPING:		00:00		02:15		0.0						
						TURNING:		00:00		00:44		0.0						
DRAG DEPTH MAX 49 MIN 44					TO DUMP:		00:00		10:08		0.0							
					CONNECTING:		00:00		00:00		0.0							
INDICATORS LAST CHECKED ON 01/20/2016					DUMPING:		00:00		00:20		0.0							
					DISCONNECTING:		00:00		00:00		0.0							
AVERAGE SPEED OF DREDGE DURING LOADING							FT/MIN		3		TO CUT:		00:00		10:33		0.0	
AVERAGE SPEED OF DREDGE DURING AGITATING							FT/MIN		0		TOTALS:		00:00		24:00		0.0	
GALLONS OF FUEL OIL CONSUMED							GAL		2,346		NON-EFFECTIVE WORKING TIME:							
GALLONS OF WATER CONSUMED							GAL		672		TAKING ON FUEL AND SUPPLIES:		00:00		00:00		0.0	
WORK PERFORMED											TO AND FROM WHARF OR ANCHORAGE:		00:00		00:00		0.0	
													LOSS DUE TO NATURAL ELEMENTS:		00:00		00:00	
DREDGING AND HAULING											LOSS DUE TO TRAFFIC AND BRIDGES		00:00		00:00		0.0	
NO. OF LOADS		TOTAL CYS		DISPOSAL AREA		TOTAL CYS				MINOR OPERATING REPAIRS:		00:00		00:00		0.0		
6		13,175		Cell 8 & 9		0				TRANSFERRING BETWEEN WORKS:		00:00		00:00		0.0		
										LAY TIME:		00:00		00:00		0.0		
										FIRE AND BOAT DRILLS:		00:00		00:00		0.0		
ATTENDANT PLANT											MISCELLANEOUS:		00:00		00:00		0.0	
													TOTALS:		00:00		00:00	
ITEM		NAME OR NUMBER			H.P.		HOURS		LOST TIME:									
40' Crewboat		Cape Anne			400		12:00				MAJOR REPAIRS AND ALTERATIONS:		00:00		00:00		0.0	
											CESSATION:		00:00		00:00		0.0	
											COLLISIONS:		00:00		00:00		0.0	
											TOTALS:		00:00		00:00		0.0	
											TOTAL TIME/MILES:		00:00		24:00		0.0	

QUALITY CONTROL REPORT-HOPPER DREDGE			PAGE NO. Page 20 of 494
CONTRACT NO. W91278-16-D-0041 0001	CONTRACT TITLE IDIQ Rental Hopper Dredge in Mobile	CONTRACTOR Dutra Dredging Company	REPORT NO. 10
DREDGE	NAME AND TYPE M/V Columbia	DATE 11 Feb 2016 - Thursday	

LOADS					
LOAD NUMBER	DREDGING AREA DISPOSAL AREA	START TIME STOP TIME (HH:MM)	PUMPING TURNING (MIN)	TO DUMP DUMPING TO CUT (MIN)	TOTAL TIME DREDGED AMOUNT AGITATED AMOUNT (MIN/CYS)
1	Sta 985+00 to 1060+00 Cell 8 & 9	00:00 00:01	1 0	29 4 0	34 2,635 0
2	Sta 985+00 to 1060+00 Cell 8 & 9	00:34 01:07	27 6	147 4 157	341 2,635 0
3	Sta 985+00 to 1060+00 Cell 8 & 9	06:15 07:03	40 8	145 4 176	373 2,635 0
4	Sta 985+00 to 1060+00 Cell 8 & 9	12:28 13:23	35 20	137 4 144	340 2,635 0
5	Sta 985+00 to 1060+00 Cell 8 & 9	18:08 18:49	31 10	150 4 146	341 2,635 0
6	Sta 985+00 to 1060+00 Cell 8 & 9	23:49 23:50	1 0	0 0 10	11 0 0

QC NARRATIVE(S)

GENERAL COMMENTS

1440 minutes @ 100%

QUALITY CONTROL REPORT-HOPPER DREDGE										PAGE NO. Page 21 of 494	
CONTRACT NO. W91278-16-D-0041 0001		CONTRACT TITLE IDIQ Rental Hopper Dredge in Mobile					CONTRACTOR Dutra Dredging Company			REPORT NO. 11	
CHARACTER OF REPORT		<input checked="" type="checkbox"/> MAINTENANCE <input type="checkbox"/> NEW WORK							DATE 12 Feb 2016 - Friday		
DREDGE (M/V Columbia)		HOPPER CAP: 4,387 CY		AVG VOL OF BIN WATER: 4,387 CY			AVG UNFILLED CAP: 4,387 CY				
		NO. OF CREW MEMBERS	DREDGE 15	OTHER PLANT 5	WORK SCHEDULE	SHIFTS PER DAY 2	DAYS PER WEEK 7				
LOCATION OF WORK		LOCATION CHANNEL Mobile Harbor	REACH DREDGED; STA TO STA Sta 985+00 1060+00			DISPOSAL AREA USE ODMDS Cell 8 & 9	QTY DEPOSITED GROSS(CY) 5,270	CUMULATIVE AND QTY DEPOSIT FOR DA(CY) 89,590			
		AVG LENGTH OF CUT 7,500 FT		AVG WIDTH OF CUT 400 FT		AVG DIST TO DUMP 25 NM					
CHARACTER OF MATERIAL		DENSITY OF MATERIALS						GMS/LITER 1.045			
		DENSITY OF WATER			1.006			GMS/LITER@ 52 °F			
RIVER/TIDE STAGE		MIN 1	TIME 00:00	MAX 0	TIME 00:00	GAGE LOCATION East Fowl River					
		MIN 0	TIME 00:00	MAX 0	TIME 00:00	GAGE DATUM MLLW					
WEATHER CONDITION		WEATHER Weather Caused No Delay			TEMP (min / max) 58 °F / 75 °F		VISIBILITY 10	WIND 32			
DRAFT					DISTRIBUTION OF TIME AND MILES RUN						
FORWARD	LIGHT		LOADED				AGITATING (MIN)	DREDGE & HAUL (MIN)	MILES RUN (NAUT MI)		
	8		15		EFFECTIVE WORKING TIME:						
AFT	10		16		PUMPING:		00:00	00:58	0.0		
DRAG DEPTH MAX 49 MIN 44 INDICATORS LAST CHECKED ON 01/20/2016 AVERAGE SPEED OF DREDGE DURING LOADING FT/MIN 3 AVERAGE SPEED OF DREDGE DURING AGITATING FT/MIN 0 GALLONS OF FUEL OIL CONSUMED GAL 1,500 GALLONS OF WATER CONSUMED GAL 561					TURNING:		00:00	00:05	0.0		
					TO DUMP:		00:00	05:06	0.0		
					CONNECTING:		00:00	00:00	0.0		
					DUMPING:		00:00	00:08	0.0		
					DISCONNECTING:		00:00	00:00	0.0		
					TO CUT:		00:00	06:25	0.0		
					TOTALS:		00:00	12:42	0.0		
WORK PERFORMED					NON-EFFECTIVE WORKING TIME:						
DREDGING AND HAULING				AGITATING		TAKING ON FUEL AND SUPPLIES:		00:00	11:18	0.0	
NO. OF LOADS	TOTAL CYS	DISPOSAL AREA	TOTAL CYS		TO AND FROM WHARF OR ANCHORAGE:		00:00	00:00	0.0		
3	5,270	Cell 8 & 9	0		LOSS DUE TO NATURAL ELEMENTS:		00:00	00:00	0.0		
					LOSS DUE TO TRAFFIC AND BRIDGES		00:00	00:00	0.0		
					MINOR OPERATING REPAIRS:		00:00	00:00	0.0		
					TRANSFERRING BETWEEN WORKS:		00:00	00:00	0.0		
ATTENDANT PLANT					LAY TIME:		00:00	00:00	0.0		
ITEM	NAME OR NUMBER		H.P.	HOURS	FIRE AND BOAT DRILLS:		00:00	00:00	0.0		
40' Crewboat	Cape Anne		400	12:00	MISCELLANEOUS:		00:00	00:00	0.0		
					TOTALS:		00:00	11:18	0.0		
					LOST TIME:						
					MAJOR REPAIRS AND ALTERATIONS:		00:00	00:00	0.0		
					CESSATION:		00:00	00:00	0.0		
					COLLISIONS:		00:00	00:00	0.0		
					TOTALS:		00:00	00:00	0.0		
					TOTAL TIME/MILES:		00:00	24:00	0.0		

QUALITY CONTROL REPORT-HOPPER DREDGE					PAGE NO. Page 22 of 494	
CONTRACT NO. W91278-16-D-0041 0001		CONTRACT TITLE IDIQ Rental Hopper Dredge in Mobile		CONTRACTOR Dutra Dredging Company		REPORT NO. 11
DREDGE		NAME AND TYPE M/V Columbia			DATE 12 Feb 2016 - Friday	
LOADS						
LOAD NUMBER	DREDGING AREA DISPOSAL AREA	START TIME STOP TIME (HH:MM)	PUMPING TURNING (MIN)	TO DUMP DUMPING TO CUT (MIN)	TOTAL TIME DREDGED AMOUNT AGITATED AMOUNT (MIN/CYS)	
1	Sta 985+00 to 1060+00 Cell 8 & 9	00:00 00:36	31 5	147 4 141	328 2,635 0	
2	Sta 985+00 to 1060+00 Cell 8 & 9	05:28 05:54	26 0	159 4 162	351 2,635 0	
3	Sta 985+00 to 1060+00 Cell 8 & 9	22:37 22:38	1 0	0 0 82	83 0 0	
QC NARRATIVE(S) GENERAL COMMENTS 762 minutes @ 100% 678 minutes @ 0% Fuel, Water, Repairs						

QUALITY CONTROL REPORT-HOPPER DREDGE										PAGE NO. Page 23 of 494								
CONTRACT NO. W91278-16-D-0041 0001		CONTRACT TITLE IDIQ Rental Hopper Dredge in Mobile					CONTRACTOR Dutra Dredging Company			REPORT NO. 12								
CHARACTER OF REPORT		<input checked="" type="checkbox"/> MAINTENANCE <input type="checkbox"/> NEW WORK							DATE 13 Feb 2016 - Saturday									
DREDGE (M/V Columbia)		HOPPER CAP: 4,387 CY		AVG VOL OF BIN WATER: 4,387 CY			AVG UNFILLED CAP: 4,387 CY											
		NO. OF CREW MEMBERS	DREDGE 15	OTHER PLANT 5	WORK SCHEDULE	SHIFTS PER DAY 2		DAYS PER WEEK 7										
LOCATION OF WORK		LOCATION CHANNEL Mobile Harbor		REACH DREDGED; STA TO STA Sta 985+00 1060+00		DISPOSAL AREA USE ODMDS Cell 8 & 9		QTY DEPOSITED GROSS(CY) 10,540		CUMULATIVE AND QTY DEPOSIT FOR DA(CY) 100,130								
		AVG LENGTH OF CUT 7,500 FT			AVG WIDTH OF CUT 400 FT			AVG DIST TO DUMP 25 NM										
CHARACTER OF MATERIAL		DENSITY OF MATERIALS						GMS/LITER 1.045										
		DENSITY OF WATER			1.006			GMS/LITER@ 52 °F										
RIVER/TIDE STAGE		MIN 1	TIME 00:00	MAX 0	TIME 00:00	GAGE LOCATION East Fowl River												
		MIN 0	TIME 00:00	MAX 0	TIME 00:00	GAGE DATUM MLLW												
WEATHER CONDITION		WEATHER Weather Caused No Delay			TEMP (min / max) 43 °F / 57 °F		VISIBILITY 10		WIND 28									
DRAFT					DISTRIBUTION OF TIME AND MILES RUN													
FORWARD		LIGHT		LOADED				AGITATING (MIN)		DREDGE & HAUL (MIN)		MILES RUN (NAUT MI)						
		8		15		EFFECTIVE WORKING TIME:												
AFT		10		16		PUMPING:		00:00		01:33		0.0						
						TURNING:		00:00		00:20		0.0						
DRAG DEPTH MAX 49 MIN 44					TO DUMP:		00:00		09:56		0.0							
					CONNECTING:		00:00		00:00		0.0							
INDICATORS LAST CHECKED ON 01/20/2016					DUMPING:		00:00		00:16		0.0							
					DISCONNECTING:		00:00		00:00		0.0							
AVERAGE SPEED OF DREDGE DURING LOADING							FT/MIN		3		TO CUT:		00:00		09:37		0.0	
AVERAGE SPEED OF DREDGE DURING AGITATING							FT/MIN		0		TOTALS:		00:00		21:42		0.0	
GALLONS OF FUEL OIL CONSUMED							GAL		3,374		NON-EFFECTIVE WORKING TIME:							
GALLONS OF WATER CONSUMED							GAL		896		TAKING ON FUEL AND SUPPLIES:		00:00		00:00		0.0	
WORK PERFORMED											TO AND FROM WHARF OR ANCHORAGE:		00:00		00:00		0.0	
													LOSS DUE TO NATURAL ELEMENTS:		00:00		00:00	
DREDGING AND HAULING				AGITATING						LOSS DUE TO TRAFFIC AND BRIDGES		00:00		00:00		0.0		
NO. OF LOADS	TOTAL CYS	DISPOSAL AREA		TOTAL CYS						MINOR OPERATING REPAIRS:		00:00		02:18		0.0		
5	10,540	Cell 8 & 9		0						TRANSFERRING BETWEEN WORKS:		00:00		00:00		0.0		
										LAY TIME:		00:00		00:00		0.0		
										FIRE AND BOAT DRILLS:		00:00		00:00		0.0		
ATTENDANT PLANT											MISCELLANEOUS:		00:00		00:00		0.0	
													TOTALS:		00:00		02:18	
ITEM		NAME OR NUMBER		H.P.		HOURS		LOST TIME:										
40' Crewboat		Cape Anne		400		12:00												
										MAJOR REPAIRS AND ALTERATIONS:		00:00		00:00		0.0		
										CESSATION:		00:00		00:00		0.0		
										COLLISIONS:		00:00		00:00		0.0		
										TOTALS:		00:00		00:00		0.0		
										TOTAL TIME/MILES:		00:00		24:00		0.0		

QUALITY CONTROL REPORT-HOPPER DREDGE					PAGE NO. <div>Page 24 of 494</div>	
CONTRACT NO. W91278-16-D-0041 0001		CONTRACT TITLE IDIQ Rental Hopper Dredge in Mobile		CONTRACTOR Dutra Dredging Company		REPORT NO. 12
DREDGE		NAME AND TYPE M/V Columbia			DATE 13 Feb 2016 - Saturday	
LOADS						
LOAD NUMBER	DREDGING AREA DISPOSAL AREA	START TIME STOP TIME (HH:MM)	PUMPING TURNING (MIN)	TO DUMP DUMPING TO CUT (MIN)	TOTAL TIME DREDGED AMOUNT AGITATED AMOUNT (MIN/CYS)	
1	Sta 985+00 to 1060+00 Cell 8 & 9	00:00 00:32	23 9	141 4 70	247 2,635 0	
2	Sta 985+00 to 1060+00 Cell 8 & 9	04:07 04:33	26 0	161 4 167	358 2,635 0	
3	Sta 985+00 to 1060+00 Cell 8 & 9	12:23 12:56	22 11	137 4 165	339 2,635 0	
4	Sta 985+00 to 1060+00 Cell 8 & 9	18:02 18:23	21 0	157 4 145	327 2,635 0	
5	Sta 985+00 to 1060+00 Cell 8 & 9	23:29 23:30	1 0	0 0 30	31 0 0	
<div>QC NARRATIVE(S)</div> <div>GENERAL COMMENTS</div> <div>1302 minutes @ 100%</div> <div>138 minutes @ 0% Repairs</div>						

QUALITY CONTROL REPORT-HOPPER DREDGE										PAGE NO. Page 25 of 494								
CONTRACT NO. W91278-16-D-0041 0001		CONTRACT TITLE IDIQ Rental Hopper Dredge in Mobile					CONTRACTOR Dutra Dredging Company			REPORT NO. 13								
CHARACTER OF REPORT		<input checked="" type="checkbox"/> MAINTENANCE <input type="checkbox"/> NEW WORK							DATE 14 Feb 2016 - Sunday									
DREDGE (M/V Columbia)		HOPPER CAP: 4,387 CY		AVG VOL OF BIN WATER: 4,387 CY		AVG UNFILLED CAP: 4,387 CY												
		NO. OF CREW MEMBERS	DREDGE 15	OTHER PLANT 5	WORK SCHEDULE	SHIFTS PER DAY 2	DAYS PER WEEK 7											
LOCATION OF WORK		LOCATION CHANNEL Mobile Harbor		REACH DREDGED; STA TO STA Sta 985+00 1060+00		DISPOSAL AREA USE ODMDS Cell 8 & 9		QTY DEPOSITED GROSS(CY) 10,540		CUMULATIVE AND QTY DEPOSIT FOR DA(CY) 110,670								
		AVG LENGTH OF CUT 7,500 FT		AVG WIDTH OF CUT 400 FT		AVG DIST TO DUMP 25 NM												
CHARACTER OF MATERIAL		DENSITY OF MATERIALS						GMS/LITER 1.045										
		DENSITY OF WATER			1.006			GMS/LITER@ 52 °F										
RIVER/TIDE STAGE		MIN 0	TIME 00:00	MAX 0	TIME 00:00	GAGE LOCATION East Fowl River												
		MIN 1	TIME 00:00	MAX 0	TIME 00:00	GAGE DATUM MLLW												
WEATHER CONDITION		WEATHER			TEMP (min / max)		VISIBILITY		WIND									
		Weather Caused No Delay			43 °F / 60 °F		10		17									
DRAFT					DISTRIBUTION OF TIME AND MILES RUN													
FORWARD		LIGHT		LOADED				AGITATING (MIN)		DREDGE & HAUL (MIN)		MILES RUN (NAUT MI)						
		8		15		EFFECTIVE WORKING TIME:												
AFT		10		16		PUMPING:		00:00		01:57		0.0						
						TURNING:		00:00		00:37		0.0						
DRAG DEPTH MAX 49 MIN 44					TO DUMP:		00:00		09:34		0.0							
					CONNECTING:		00:00		00:00		0.0							
INDICATORS LAST CHECKED ON 01/20/2016					DUMPING:		00:00		00:16		0.0							
					DISCONNECTING:		00:00		00:00		0.0							
AVERAGE SPEED OF DREDGE DURING LOADING							FT/MIN		3		TO CUT:		00:00		11:06		0.0	
AVERAGE SPEED OF DREDGE DURING AGITATING							FT/MIN		0		TOTALS:		00:00		23:30		0.0	
GALLONS OF FUEL OIL CONSUMED							GAL		2,215		NON-EFFECTIVE WORKING TIME:							
GALLONS OF WATER CONSUMED							GAL		672		TAKING ON FUEL AND SUPPLIES:		00:00		00:00		0.0	
WORK PERFORMED											TO AND FROM WHARF OR ANCHORAGE:		00:00		00:00		0.0	
													LOSS DUE TO NATURAL ELEMENTS:		00:00		00:00	
DREDGING AND HAULING				AGITATING						LOSS DUE TO TRAFFIC AND BRIDGES		00:00		00:00		0.0		
NO. OF LOADS	TOTAL CYS	DISPOSAL AREA		TOTAL CYS						MINOR OPERATING REPAIRS:		00:00		00:30		0.0		
5	10,540	Cell 8 & 9		0						TRANSFERRING BETWEEN WORKS:		00:00		00:00		0.0		
										LAY TIME:		00:00		00:00		0.0		
										FIRE AND BOAT DRILLS:		00:00		00:00		0.0		
ATTENDANT PLANT											MISCELLANEOUS:		00:00		00:00		0.0	
													TOTALS:		00:00		00:30	
ITEM		NAME OR NUMBER		H.P.		HOURS		LOST TIME:										
40' Crewboat		Cape Anne		400		12:00												
										MAJOR REPAIRS AND ALTERATIONS:		00:00		00:00		0.0		
										CESSATION:		00:00		00:00		0.0		
										COLLISIONS:		00:00		00:00		0.0		
										TOTALS:		00:00		00:00		0.0		
										TOTAL TIME/MILES:		00:00		24:00		0.0		

QUALITY CONTROL REPORT-HOPPER DREDGE			PAGE NO. Page 26 of 494
CONTRACT NO. W91278-16-D-0041 0001	CONTRACT TITLE IDIQ Rental Hopper Dredge in Mobile	CONTRACTOR Dutra Dredging Company	REPORT NO. 13
DREDGE	NAME AND TYPE M/V Columbia	DATE 14 Feb 2016 - Sunday	

LOADS					
LOAD NUMBER	DREDGING AREA DISPOSAL AREA	START TIME STOP TIME (HH:MM)	PUMPING TURNING (MIN)	TO DUMP DUMPING TO CUT (MIN)	TOTAL TIME DREDGED AMOUNT AGITATED AMOUNT (MIN/CYS)
1	Sta 985+00 to 1060+00 Cell 8 & 9	00:00 00:27	21 6	133 4 120	284 2,635 0
2	Sta 985+00 to 1060+00 Cell 8 & 9	05:14 05:40	26 0	170 4 156	356 2,635 0
3	Sta 985+00 to 1060+00 Cell 8 & 9	11:10 12:01	30 21	138 4 161	354 2,635 0
4	Sta 985+00 to 1060+00 Cell 8 & 9	17:04 17:53	39 10	133 4 151	337 2,635 0
5	Sta 985+00 to 1060+00 Cell 8 & 9	22:41 22:42	1 0	0 0 78	79 0 0

QC NARRATIVE(S)

GENERAL COMMENTS

1410 minutes @ 100%
30 minutes @ 0% Minor Repairs

QUALITY CONTROL REPORT-HOPPER DREDGE										PAGE NO. Page 27 of 494									
CONTRACT NO. W91278-16-D-0041 0001		CONTRACT TITLE IDIQ Rental Hopper Dredge in Mobile					CONTRACTOR Dutra Dredging Company			REPORT NO. 14									
CHARACTER OF REPORT		<input checked="" type="checkbox"/> MAINTENANCE <input type="checkbox"/> NEW WORK							DATE 15 Feb 2016 - Monday										
DREDGE (M/V Columbia)		HOPPER CAP: 4,387 CY		AVG VOL OF BIN WATER: 4,387 CY		AVG UNFILLED CAP: 4,387 CY													
		NO. OF CREW MEMBERS	DREDGE 15	OTHER PLANT 5	WORK SCHEDULE	SHIFTS PER DAY 2	DAYS PER WEEK 7												
LOCATION OF WORK		LOCATION CHANNEL Mobile Harbor		REACH DREDGED; STA TO STA Sta 985+00 1060+00		DISPOSAL AREA USE ODMDS Cell 8 & 9		QTY DEPOSITED GROSS(CY) 5,270		CUMULATIVE AND QTY DEPOSIT FOR DA(CY) 115,940									
		AVG LENGTH OF CUT 7,500 FT		AVG WIDTH OF CUT 400 FT		AVG DIST TO DUMP 25 NM													
CHARACTER OF MATERIAL		DENSITY OF MATERIALS						GMS/LITER 1.045											
		DENSITY OF WATER			1.006			GMS/LITER@ 52 °F											
RIVER/TIDE STAGE		MIN 0	TIME 00:00	MAX 0	TIME 00:00	GAGE LOCATION East Fowl River													
		MIN 0	TIME 00:00	MAX 0	TIME 00:00	GAGE DATUM MLLW													
WEATHER CONDITION		WEATHER			TEMP (min / max)		VISIBILITY		WIND										
		Weather Caused Critical Delay			52 °F / 65 °F		10		51										
DRAFT					DISTRIBUTION OF TIME AND MILES RUN														
FORWARD		LIGHT		LOADED				AGITATING (MIN)		DREDGE & HAUL (MIN)		MILES RUN (NAUT MI)							
		8		15		EFFECTIVE WORKING TIME:													
AFT		10		16		PUMPING:		00:00		01:04		0.0							
						TURNING:		00:00		00:24		0.0							
DRAG DEPTH MAX 49 MIN 44					TO DUMP:		00:00		05:26		0.0								
					CONNECTING:		00:00		00:00		0.0								
INDICATORS LAST CHECKED ON 01/20/2016					DUMPING:		00:00		00:08		0.0								
					DISCONNECTING:		00:00		00:00		0.0								
AVERAGE SPEED OF DREDGE DURING LOADING							FT/MIN		3		TO CUT:		00:00		04:50		0.0		
AVERAGE SPEED OF DREDGE DURING AGITATING							FT/MIN		0		TOTALS:		00:00		11:52		0.0		
GALLONS OF FUEL OIL CONSUMED							GAL		1,846		NON-EFFECTIVE WORKING TIME:								
GALLONS OF WATER CONSUMED							GAL		560		TAKING ON FUEL AND SUPPLIES:		00:00		00:00		0.0		
WORK PERFORMED											TO AND FROM WHARF OR ANCHORAGE:		00:00		00:00		0.0		
													LOSS DUE TO NATURAL ELEMENTS:		00:00		12:08		0.0
DREDGING AND HAULING				AGITATING						LOSS DUE TO TRAFFIC AND BRIDGES		00:00		00:00		0.0			
NO. OF LOADS	TOTAL CYS	DISPOSAL AREA		TOTAL CYS						MINOR OPERATING REPAIRS:		00:00		00:00		0.0			
3	5,270	Cell 8 & 9		0						TRANSFERRING BETWEEN WORKS:		00:00		00:00		0.0			
										LAY TIME:		00:00		00:00		0.0			
										FIRE AND BOAT DRILLS:		00:00		00:00		0.0			
ATTENDANT PLANT											MISCELLANEOUS:		00:00		00:00		0.0		
													TOTALS:		00:00		12:08		0.0
ITEM	NAME OR NUMBER			H.P.	HOURS	LOST TIME:													
40' Crewboat	Cape Anne			400	12:00							MAJOR REPAIRS AND ALTERATIONS:		00:00		00:00		0.0	
												CESSATION:		00:00		00:00		0.0	
												COLLISIONS:		00:00		00:00		0.0	
												TOTALS:		00:00		00:00		0.0	
												TOTAL TIME/MILES:		00:00		24:00		0.0	

QUALITY CONTROL REPORT-HOPPER DREDGE			PAGE NO. Page 28 of 494
CONTRACT NO. W91278-16-D-0041 0001	CONTRACT TITLE IDIQ Rental Hopper Dredge in Mobile	CONTRACTOR Dutra Dredging Company	REPORT NO. 14
DREDGE	NAME AND TYPE M/V Columbia	DATE 15 Feb 2016 - Monday	

LOADS					
LOAD NUMBER	DREDGING AREA DISPOSAL AREA	START TIME STOP TIME (HH:MM)	PUMPING TURNING (MIN)	TO DUMP DUMPING TO CUT (MIN)	TOTAL TIME DREDGED AMOUNT AGITATED AMOUNT (MIN/CYS)
1	Sta 985+00 to 1060+00 Cell 8 & 9	00:00 00:53	29 24	151 4 82	290 2,635 0
2	Sta 985+00 to 1060+00 Cell 8 & 9	04:50 05:24	34 0	175 4 150	363 2,635 0
3	Sta 985+00 to 1060+00 Cell 8 & 9	10:53 10:54	1 0	0 0 58	59 0 0

QC NARRATIVE(S)

GENERAL COMMENTS

712 minutes @ 100%
728 minutes @ 70% Weather

QUALITY CONTROL REPORT-HOPPER DREDGE										PAGE NO. Page 29 of 494	
CONTRACT NO. W91278-16-D-0041 0001		CONTRACT TITLE IDIQ Rental Hopper Dredge in Mobile					CONTRACTOR Dutra Dredging Company			REPORT NO. 15	
CHARACTER OF REPORT		<input checked="" type="checkbox"/> MAINTENANCE <input type="checkbox"/> NEW WORK							DATE 16 Feb 2016 - Tuesday		
DREDGE (M/V Columbia)		HOPPER CAP: 4,387 CY		AVG VOL OF BIN WATER: 4,387 CY		AVG UNFILLED CAP: 4,387 CY					
		NO. OF CREW MEMBERS	DREDGE 15	OTHER PLANT 5	WORK SCHEDULE	SHIFTS PER DAY 2	DAYS PER WEEK 7				
LOCATION OF WORK		LOCATION CHANNEL Mobile Harbor	REACH DREDGED; STA TO STA Sta 985+00 1060+00		DISPOSAL AREA USE ODMDS Cell 8 & 9		QTY DEPOSITED GROSS(CY) 7,905	CUMULATIVE AND QTY DEPOSIT FOR DA(CY) 123,845			
		AVG LENGTH OF CUT 7,500 FT		AVG WIDTH OF CUT 400 FT		AVG DIST TO DUMP 25 NM					
CHARACTER OF MATERIAL		DENSITY OF MATERIALS					GMS/LITER 1.045				
		DENSITY OF WATER			1.006		GMS/LITER@ 52 °F				
RIVER/TIDE STAGE		MIN 1	TIME 00:00	MAX 0	TIME 00:00	GAGE LOCATION East Fowl River					
		MIN 0	TIME 00:00	MAX 0	TIME 00:00	GAGE DATUM MLLW					
WEATHER CONDITION		WEATHER		TEMP (min / max)		VISIBILITY		WIND			
		Weather Caused Critical Delay		46 °F / 65 °F		10		28			
DRAFT					DISTRIBUTION OF TIME AND MILES RUN						
FORWARD		LIGHT		LOADED				AGITATING (MIN)	DREDGE & HAUL (MIN)	MILES RUN (NAUT MI)	
		8		15							
AFT						EFFECTIVE WORKING TIME:					
		10		16							
DRAG DEPTH MAX 49 MIN 44					PUMPING:		00:00	01:29	0.0		
INDICATORS LAST CHECKED ON 01/20/2016					TURNING:		00:00	00:53	0.0		
					TO DUMP:		00:00	07:18	0.0		
AVERAGE SPEED OF DREDGE DURING LOADING					CONNECTING:		00:00	00:00	0.0		
					DUMPING:		00:00	00:12	0.0		
AVERAGE SPEED OF DREDGE DURING AGITATING					DISCONNECTING:		00:00	00:00	0.0		
					TO CUT:		00:00	07:02	0.0		
GALLONS OF FUEL OIL CONSUMED					TOTALS:		00:00	16:54	0.0		
					NON-EFFECTIVE WORKING TIME:						
GALLONS OF WATER CONSUMED					TAKING ON FUEL AND SUPPLIES:		00:00	00:00	0.0		
					TO AND FROM WHARF OR ANCHORAGE:		00:00	00:00	0.0		
WORK PERFORMED					LOSS DUE TO NATURAL ELEMENTS:		00:00	07:06	0.0		
DREDGING AND HAULING				AGITATING		LOSS DUE TO TRAFFIC AND BRIDGES		00:00	00:00	0.0	
NO. OF LOADS	TOTAL CYS	DISPOSAL AREA		TOTAL CYS		MINOR OPERATING REPAIRS:		00:00	00:00	0.0	
4	7,905	Cell 8 & 9		0		TRANSFERRING BETWEEN WORKS:		00:00	00:00	0.0	
						LAY TIME:		00:00	00:00	0.0	
						FIRE AND BOAT DRILLS:		00:00	00:00	0.0	
ATTENDANT PLANT					MISCELLANEOUS:		00:00	00:00	0.0		
ITEM	NAME OR NUMBER		H.P.	HOURS	TOTALS:		00:00	07:06	0.0		
40' Crewboat	Cape Anne		400	12:00	LOST TIME:						
					MAJOR REPAIRS AND ALTERATIONS:		00:00	00:00	0.0		
					CESSATION:		00:00	00:00	0.0		
					COLLISIONS:		00:00	00:00	0.0		
					TOTALS:		00:00	00:00	0.0		
					TOTAL TIME/MILES:		00:00	24:00	0.0		

QUALITY CONTROL REPORT-HOPPER DREDGE					PAGE NO. Page 30 of 494	
CONTRACT NO. W91278-16-D-0041 0001		CONTRACT TITLE IDIQ Rental Hopper Dredge in Mobile		CONTRACTOR Dutra Dredging Company		REPORT NO. 15
DREDGE		NAME AND TYPE M/V Columbia			DATE 16 Feb 2016 - Tuesday	
LOADS						
LOAD NUMBER	DREDGING AREA DISPOSAL AREA	START TIME STOP TIME (HH:MM)	PUMPING TURNING (MIN)	TO DUMP DUMPING TO CUT (MIN)	TOTAL TIME DREDGED AMOUNT AGITATED AMOUNT (MIN/CYS)	
1	Sta 985+00 to 1060+00 Cell 8 & 9	07:06 07:50	32 12	150 4 83	281 2,635 0	
2	Sta 985+00 to 1060+00 Cell 8 & 9	11:47 12:44	26 31	140 4 149	350 2,635 0	
3	Sta 985+00 to 1060+00 Cell 8 & 9	17:37 18:17	30 10	148 4 152	344 2,635 0	
4	Sta 985+00 to 1060+00 Cell 8 & 9	23:21 23:22	1 0	0 0 38	39 0 0	
QC NARRATIVE(S) GENERAL COMMENTS 1014 minutes @ 100% 426 minutes @ 70% Weather						

QUALITY CONTROL REPORT-HOPPER DREDGE								PAGE NO.
								Page 31 of 494
CONTRACT NO. W91278-16-D-0041 0001		CONTRACT TITLE IDIQ Rental Hopper Dredge in Mobile				CONTRACTOR Dutra Dredging Company		REPORT NO. 16
CHARACTER OF REPORT		<input checked="" type="checkbox"/> MAINTENANCE <input type="checkbox"/> NEW WORK					DATE 17 Feb 2016 - Wednesday	
DREDGE (M/V Columbia)		HOPPER CAP: 4,387 CY		AVG VOL OF BIN WATER: 4,387 CY		AVG UNFILLED CAP: 4,387 CY		
		NO. OF CREW MEMBERS 15	DREDGE 15	OTHER PLANT 5	WORK SCHEDULE	SHIFTS PER DAY 2	DAYS PER WEEK 7	
LOCATION OF WORK		LOCATION CHANNEL Mobile Harbor		REACH DREDGED; STA TO STA Sta 985+00 1060+00		DISPOSAL AREA USE ODMDS Cell 8 & 9		
		AVG LENGTH OF CUT 7,500 FT		AVG WIDTH OF CUT 400 FT		QTY DEPOSITED GROSS(CY) 7,905		
CHARACTER OF MATERIAL		DENSITY OF MATERIALS				CUMULATIVE AND QTY DEPOSIT FOR DA(CY) 131,750		
		DENSITY OF WATER		1.006		GMS/LITER@ 52 °F		
RIVER/TIDE STAGE		MIN 0	TIME 00:00	MAX 0	TIME 00:00	GAGE LOCATION East Fowl River		
		MIN 0	TIME 00:00	MAX 0	TIME 00:00	GAGE DATUM MLLW		
WEATHER CONDITION		WEATHER Weather Caused No Delay		TEMP (min / max) 48 °F / 64 °F		VISIBILITY 10	WIND 13	
DRAFT				DISTRIBUTION OF TIME AND MILES RUN				
FORWARD		LIGHT	LOADED			AGITATING (MIN)	DREDGE & HAUL (MIN)	
		8	15	EFFECTIVE WORKING TIME:			MILES RUN (NAUT MI)	
AFT		10	16	PUMPING:		00:00	01:53	
				TURNING:		00:00	01:00	
DRAG DEPTH MAX 49 MIN 44				TO DUMP:		00:00	09:47	
INDICATORS LAST CHECKED ON 01/20/2016				CONNECTING:		00:00	00:00	
AVERAGE SPEED OF DREDGE DURING LOADING		FT/MIN 3		DUMPING:		00:00	00:12	
AVERAGE SPEED OF DREDGE DURING AGITATING		FT/MIN 0		DISCONNECTING:		00:00	00:00	
GALLONS OF FUEL OIL CONSUMED		GAL 2,792		TO CUT:		00:00	11:08	
GALLONS OF WATER CONSUMED		GAL 448		TOTALS:		00:00	24:00	
WORK PERFORMED				NON-EFFECTIVE WORKING TIME:				
DREDGING AND HAULING				TAKING ON FUEL AND SUPPLIES:				
NO. OF LOADS		TOTAL CYS	DISPOSAL AREA	TO AND FROM WHARF OR ANCHORAGE:				
4		7,905	Cell 8 & 9	LOSS DUE TO NATURAL ELEMENTS:				
				LOSS DUE TO TRAFFIC AND BRIDGES				
				MINOR OPERATING REPAIRS:				
				TRANSFERRING BETWEEN WORKS:				
				LAY TIME:				
				FIRE AND BOAT DRILLS:				
ATTENDANT PLANT				MISCELLANEOUS:				
ITEM		NAME OR NUMBER	H.P.	HOURS	TOTALS:			
40' Crewboat		Cape Anne	400	12:00	LOST TIME:			
					MAJOR REPAIRS AND ALTERATIONS:			
					CESSATION:			
					COLLISIONS:			
					TOTALS:			
					TOTAL TIME/MILES:			

QUALITY CONTROL REPORT-HOPPER DREDGE					PAGE NO. Page 32 of 494	
CONTRACT NO. W91278-16-D-0041 0001		CONTRACT TITLE IDIQ Rental Hopper Dredge in Mobile		CONTRACTOR Dutra Dredging Company		REPORT NO. 16
DREDGE		NAME AND TYPE M/V Columbia			DATE 17 Feb 2016 - Wednesday	
LOADS						
LOAD NUMBER	DREDGING AREA DISPOSAL AREA	START TIME STOP TIME (HH:MM)	PUMPING TURNING (MIN)	TO DUMP DUMPING TO CUT (MIN)	TOTAL TIME DREDGED AMOUNT AGITATED AMOUNT (MIN/CYS)	
1	Sta 985+00 to 1060+00 Cell 8 & 9	00:00 00:42	23 19	184 4 120	350 2,635 0	
2	Sta 985+00 to 1060+00 Cell 8 & 9	05:50 06:32	27 15	168 4 170	384 2,635 0	
3	Sta 985+00 to 1060+00 Cell 8 & 9	12:14 13:02	32 16	139 4 189	380 2,635 0	
4	Sta 985+00 to 1060+00 Cell 8 & 9	18:34 19:15	31 10	96 0 189	326 0 0	
QC NARRATIVE(S) GENERAL COMMENTS 1440 minutes @ 100%						

QUALITY CONTROL REPORT-HOPPER DREDGE										PAGE NO. Page 33 of 494			
CONTRACT NO. W91278-16-D-0041 0001		CONTRACT TITLE IDIQ Rental Hopper Dredge in Mobile					CONTRACTOR Dutra Dredging Company			REPORT NO. 17			
CHARACTER OF REPORT		<input checked="" type="checkbox"/> MAINTENANCE <input type="checkbox"/> NEW WORK							DATE 18 Feb 2016 - Thursday				
DREDGE (M/V Columbia)		HOPPER CAP: 4,387 CY		AVG VOL OF BIN WATER: 4,387 CY		AVG UNFILLED CAP: 4,387 CY							
		NO. OF CREW MEMBERS	DREDGE 15	OTHER PLANT 5	WORK SCHEDULE	SHIFTS PER DAY 2		DAYS PER WEEK 7					
LOCATION OF WORK		LOCATION CHANNEL Mobile Harbor		REACH DREDGED; STA TO STA Sta 985+00 1060+00 & 1060+00 to 1120+00		DISPOSAL AREA USE ODMDS Cell 8 & 9		QTY DEPOSITED GROSS(CY) 13,175		CUMULATIVE AND QTY DEPOSIT FOR DA(CY) 144,925			
		AVG LENGTH OF CUT 6,000 FT		AVG WIDTH OF CUT 400 FT		AVG DIST TO DUMP 23 NM							
CHARACTER OF MATERIAL		DENSITY OF MATERIALS						GMS/LITER 1.045					
		DENSITY OF WATER			1.006			GMS/LITER@ 52 °F					
RIVER/TIDE STAGE		MIN 0	TIME 00:00	MAX 0	TIME 00:00	GAGE LOCATION East Fowl River							
		MIN 1	TIME 00:00	MAX 0	TIME 00:00	GAGE DATUM MLLW							
WEATHER CONDITION		WEATHER			TEMP (min / max)		VISIBILITY		WIND				
		Weather Caused No Delay			39 °F / 66 °F		10		9				
DRAFT					DISTRIBUTION OF TIME AND MILES RUN								
FORWARD		LIGHT		LOADED				AGITATING (MIN)		DREDGE & HAUL (MIN)		MILES RUN (NAUT MI)	
		8		15									
AFT		10		16		EFFECTIVE WORKING TIME:							
						PUMPING:		00:00		02:07		0.0	
DRAG DEPTH MAX 49 MIN 44						TURNING:		00:00		00:52		0.0	
						TO DUMP:		00:00		10:00		0.0	
INDICATORS LAST CHECKED ON 01/20/2016						CONNECTING:		00:00		00:00		0.0	
						DUMPING:		00:00		00:20		0.0	
AVERAGE SPEED OF DREDGE DURING LOADING				FT/MIN 2		DISCONNECTING:		00:00		00:00		0.0	
				0		TO CUT:		00:00		10:41		0.0	
AVERAGE SPEED OF DREDGE DURING AGITATING				FT/MIN		TOTALS:		00:00		24:00		0.0	
						NON-EFFECTIVE WORKING TIME:							
GALLONS OF FUEL OIL CONSUMED				GAL 2,234		TAKING ON FUEL AND SUPPLIES:		00:00		00:00		0.0	
						TO AND FROM WHARF OR ANCHORAGE:		00:00		00:00		0.0	
GALLONS OF WATER CONSUMED				GAL 1,719		LOSS DUE TO NATURAL ELEMENTS:		00:00		00:00		0.0	
						LOSS DUE TO TRAFFIC AND BRIDGES		00:00		00:00		0.0	
WORK PERFORMED													
DREDGING AND HAULING				AGITATING									
NO. OF LOADS	TOTAL CYS	DISPOSAL AREA		TOTAL CYS									
6	13,175	Cell 8 & 9		0									
ATTENDANT PLANT													
ITEM	NAME OR NUMBER			H.P.	HOURS								
40' Crewboat	Cape Anne			400	12:00								
						LOST TIME:							
						MAJOR REPAIRS AND ALTERATIONS:		00:00		00:00		0.0	
						CESSATION:		00:00		00:00		0.0	
						COLLISIONS:		00:00		00:00		0.0	
						TOTALS:		00:00		00:00		0.0	
						TOTAL TIME/MILES:		00:00		24:00		0.0	

QUALITY CONTROL REPORT-HOPPER DREDGE			PAGE NO. Page 34 of 494
CONTRACT NO. W91278-16-D-0041 0001	CONTRACT TITLE IDIQ Rental Hopper Dredge in Mobile	CONTRACTOR Dutra Dredging Company	REPORT NO. 17
DREDGE	NAME AND TYPE M/V Columbia	DATE 18 Feb 2016 - Thursday	

LOADS					
LOAD NUMBER	DREDGING AREA DISPOSAL AREA	START TIME STOP TIME (HH:MM)	PUMPING TURNING (MIN)	TO DUMP DUMPING TO CUT (MIN)	TOTAL TIME DREDGED AMOUNT AGITATED AMOUNT (MIN/CYS)
1	Sta 985+00 to 1060+00 Cell 8 & 9	00:00 00:01	1 0	33 4 0	38 2,635 0
2	Sta 985+00 to 1060+00 Cell 8 & 9	00:38 01:12	26 8	146 4 162	346 2,635 0
3	Sta 985+00 to 1060+00 Cell 8 & 9	06:24 07:11	37 10	150 4 153	354 2,635 0
4	Sta 1060+00 to 1120+00 Cell 8 & 9	12:18 13:11	36 17	138 4 147	342 2,635 0
5	Sta 1060+00 to 1120+00 Cell 8 & 9	18:00 18:43	26 17	133 4 152	332 2,635 0
6	Sta 985+00 to 1060+00 Cell 8 & 9	23:32 23:33	1 0	0 0 27	28 0 0

QC NARRATIVE(S)

GENERAL COMMENTS

1440 minutes @ 100%

QUALITY CONTROL REPORT-HOPPER DREDGE										PAGE NO. Page 35 of 494	
CONTRACT NO. W91278-16-D-0041 0001		CONTRACT TITLE IDIQ Rental Hopper Dredge in Mobile					CONTRACTOR Dutra Dredging Company			REPORT NO. 18	
CHARACTER OF REPORT		<input checked="" type="checkbox"/> MAINTENANCE <input type="checkbox"/> NEW WORK							DATE 19 Feb 2016 - Friday		
DREDGE (M/V Columbia)		HOPPER CAP: 4,387 CY		AVG VOL OF BIN WATER: 4,387 CY		AVG UNFILLED CAP: 4,387 CY					
		NO. OF CREW MEMBERS	DREDGE 15	OTHER PLANT 5	WORK SCHEDULE	SHIFTS PER DAY 2	DAYS PER WEEK 7				
LOCATION OF WORK		LOCATION CHANNEL Mobile Harbor	REACH DREDGED; STA TO STA Sta 1060+00 to 1120+00		DISPOSAL AREA USE ODMDS Cell 8 & 9		QTY DEPOSITED GROSS(CY) 10,540	CUMULATIVE AND QTY DEPOSIT FOR DA(CY) 155,465			
		AVG LENGTH OF CUT 6,000 FT		AVG WIDTH OF CUT 400 FT		AVG DIST TO DUMP 23 NM					
CHARACTER OF MATERIAL		DENSITY OF MATERIALS						GMS/LITER 1.045			
		DENSITY OF WATER			1.006			GMS/LITER@ 52 °F			
RIVER/TIDE STAGE		MIN 1	TIME 00:00	MAX 0	TIME 00:00	GAGE LOCATION East Fowl River					
		MIN 0	TIME 00:00	MAX 0	TIME 00:00	GAGE DATUM MLLW					
WEATHER CONDITION		WEATHER		TEMP (min / max)		VISIBILITY		WIND			
		Weather Caused No Delay		49 °F / 66 °F		10		29			
DRAFT					DISTRIBUTION OF TIME AND MILES RUN						
FORWARD		LIGHT		LOADED				AGITATING (MIN)	DREDGE & HAUL (MIN)	MILES RUN (NAUT MI)	
		8		15				EFFECTIVE WORKING TIME:			
AFT											
		10		16							
DRAG DEPTH MAX 49 MIN 44					PUMPING:		00:00	01:50	0.0		
INDICATORS LAST CHECKED ON 01/20/2016					TURNING:		00:00	00:40	0.0		
					TO DUMP:		00:00	09:38	0.0		
AVERAGE SPEED OF DREDGE DURING LOADING				FT/MIN	CONNECTING:		00:00	00:00	0.0		
				2	DUMPING:		00:00	00:16	0.0		
AVERAGE SPEED OF DREDGE DURING AGITATING				FT/MIN	DISCONNECTING:		00:00	00:00	0.0		
				0	TO CUT:		00:00	11:36	0.0		
GALLONS OF FUEL OIL CONSUMED				GAL	TOTALS:		00:00	24:00	0.0		
				2,568	NON-EFFECTIVE WORKING TIME:						
GALLONS OF WATER CONSUMED				GAL	TAKING ON FUEL AND SUPPLIES:		00:00	00:00	0.0		
				560	TO AND FROM WHARF OR ANCHORAGE:		00:00	00:00	0.0		
WORK PERFORMED					LOSS DUE TO NATURAL ELEMENTS:		00:00	00:00	0.0		
DREDGING AND HAULING				AGITATING		LOSS DUE TO TRAFFIC AND BRIDGES		00:00	00:00	0.0	
NO. OF LOADS	TOTAL CYS	DISPOSAL AREA		TOTAL CYS		MINOR OPERATING REPAIRS:		00:00	00:00	0.0	
5	10,540	Cell 8 & 9		0		TRANSFERRING BETWEEN WORKS:		00:00	00:00	0.0	
						LAY TIME:		00:00	00:00	0.0	
						FIRE AND BOAT DRILLS:		00:00	00:00	0.0	
ATTENDANT PLANT					MISCELLANEOUS:		00:00	00:00	0.0		
ITEM	NAME OR NUMBER		H.P.	HOURS	TOTALS:		00:00	00:00	0.0		
40' Crewboat	Cape Anne		400	12:00	LOST TIME:						
					MAJOR REPAIRS AND ALTERATIONS:		00:00	00:00	0.0		
					CESSATION:		00:00	00:00	0.0		
					COLLISIONS:		00:00	00:00	0.0		
					TOTALS:		00:00	00:00	0.0		
					TOTAL TIME/MILES:		00:00	24:00	0.0		

QUALITY CONTROL REPORT-HOPPER DREDGE					PAGE NO. Page 36 of 494	
CONTRACT NO. W91278-16-D-0041 0001		CONTRACT TITLE IDIQ Rental Hopper Dredge in Mobile		CONTRACTOR Dutra Dredging Company		REPORT NO. 18
DREDGE		NAME AND TYPE M/V Columbia			DATE 19 Feb 2016 - Friday	
LOADS						
LOAD NUMBER	DREDGING AREA DISPOSAL AREA	START TIME STOP TIME (HH:MM)	PUMPING TURNING (MIN)	TO DUMP DUMPING TO CUT (MIN)	TOTAL TIME DREDGED AMOUNT AGITATED AMOUNT (MIN/CYS)	
1	Sta 1060+00 to 1120+00 Cell 8 & 9	00:00 00:34	26 8	125 4 128	291 2,635 0	
2	Sta 1060+00 to 1120+00 Cell 8 & 9	04:51 05:13	22 0	173 4 154	353 2,635 0	
3	Sta 1060+00 to 1120+00 Cell 8 & 9	10:44 11:51	35 32	142 4 146	359 2,635 0	
4	Sta 1060+00 to 1120+00 Cell 8 & 9	16:43 17:09	26 0	138 4 145	313 2,635 0	
5	Sta 1060+00 to 1120+00 Cell 8 & 9	21:56 21:57	1 0	0 0 123	124 0 0	
QC NARRATIVE(S) GENERAL COMMENTS 1440 minutes @ 100%						

QUALITY CONTROL REPORT-HOPPER DREDGE										PAGE NO. Page 37 of 494	
CONTRACT NO. W91278-16-D-0041 0001		CONTRACT TITLE IDIQ Rental Hopper Dredge in Mobile					CONTRACTOR Dutra Dredging Company			REPORT NO. 19	
CHARACTER OF REPORT		<input checked="" type="checkbox"/> MAINTENANCE <input type="checkbox"/> NEW WORK							DATE 20 Feb 2016 - Saturday		
DREDGE (M/V Columbia)		HOPPER CAP: 4,387 CY		AVG VOL OF BIN WATER: 4,387 CY			AVG UNFILLED CAP: 4,387 CY				
		NO. OF CREW MEMBERS	DREDGE 15	OTHER PLANT 5	WORK SCHEDULE	SHIFTS PER DAY 2	DAYS PER WEEK 7				
LOCATION OF WORK		LOCATION CHANNEL Mobile Harbor	REACH DREDGED; STA TO STA Sta 1060+00 to 1120+00		DISPOSAL AREA USE ODMDS Cell 8 & 9		QTY DEPOSITED GROSS(CY) 10,540	CUMULATIVE AND QTY DEPOSIT FOR DA(CY) 166,005			
		AVG LENGTH OF CUT 6,000 FT		AVG WIDTH OF CUT 400 FT		AVG DIST TO DUMP 23 NM					
CHARACTER OF MATERIAL		DENSITY OF MATERIALS						GMS/LITER 1.045			
		DENSITY OF WATER			1.006			GMS/LITER@ 52 °F			
RIVER/TIDE STAGE		MIN 0	TIME 00:00	MAX 0	TIME 00:00	GAGE LOCATION East Fowl River					
		MIN 0	TIME 00:00	MAX 0	TIME 00:00	GAGE DATUM MLLW					
WEATHER CONDITION		WEATHER Weather Caused No Delay		TEMP (min / max) 55 °F / 67 °F		VISIBILITY 10		WIND 26			
DRAFT					DISTRIBUTION OF TIME AND MILES RUN						
FORWARD	LIGHT		LOADED				AGITATING (MIN)	DREDGE & HAUL (MIN)	MILES RUN (NAUT MI)		
	8		15				EFFECTIVE WORKING TIME:				
AFT											
	10		16								
DRAG DEPTH MAX 49 MIN 44					PUMPING:		00:00	02:21	0.0		
INDICATORS LAST CHECKED ON 01/20/2016					TURNING:		00:00	00:00	0.0		
					TO DUMP:		00:00	09:22	0.0		
AVERAGE SPEED OF DREDGE DURING LOADING				FT/MIN	CONNECTING:		00:00	00:00	0.0		
				2	DUMPING:		00:00	00:31	0.0		
AVERAGE SPEED OF DREDGE DURING AGITATING				FT/MIN	DISCONNECTING:		00:00	00:00	0.0		
				0	TO CUT:		00:00	10:46	0.0		
GALLONS OF FUEL OIL CONSUMED				GAL	TOTALS:		00:00	23:00	0.0		
				2,948	NON-EFFECTIVE WORKING TIME:						
GALLONS OF WATER CONSUMED				GAL	TAKING ON FUEL AND SUPPLIES:		00:00	00:00	0.0		
				560	TO AND FROM WHARF OR ANCHORAGE:		00:00	00:00	0.0		
WORK PERFORMED					LOSS DUE TO NATURAL ELEMENTS:		00:00	00:00	0.0		
DREDGING AND HAULING				AGITATING		LOSS DUE TO TRAFFIC AND BRIDGES		00:00	00:00	0.0	
NO. OF LOADS	TOTAL CYS	DISPOSAL AREA		TOTAL CYS		MINOR OPERATING REPAIRS:		00:00	01:00	0.0	
5	10,540	Cell 8 & 9		0		TRANSFERRING BETWEEN WORKS:		00:00	00:00	0.0	
						LAY TIME:		00:00	00:00	0.0	
						FIRE AND BOAT DRILLS:		00:00	00:00	0.0	
ATTENDANT PLANT					MISCELLANEOUS:		00:00	00:00	0.0		
ITEM	NAME OR NUMBER		H.P.	HOURS	TOTALS:		00:00	01:00	0.0		
40' Crewboat	Cape Anne		400	12:00	LOST TIME:						
					MAJOR REPAIRS AND ALTERATIONS:		00:00	00:00	0.0		
					CESSATION:		00:00	00:00	0.0		
					COLLISIONS:		00:00	00:00	0.0		
					TOTALS:		00:00	00:00	0.0		
					TOTAL TIME/MILES:		00:00	24:00	0.0		

QUALITY CONTROL REPORT-HOPPER DREDGE					PAGE NO. Page 38 of 494	
CONTRACT NO. W91278-16-D-0041 0001		CONTRACT TITLE IDIQ Rental Hopper Dredge in Mobile		CONTRACTOR Dutra Dredging Company		REPORT NO. 19
DREDGE		NAME AND TYPE M/V Columbia			DATE 20 Feb 2016 - Saturday	
LOADS						
LOAD NUMBER	DREDGING AREA DISPOSAL AREA	START TIME STOP TIME (HH:MM)	PUMPING TURNING (MIN)	TO DUMP DUMPING TO CUT (MIN)	TOTAL TIME DREDGED AMOUNT AGITATED AMOUNT (MIN/CYS)	
1	Sta 1060+00 to 1120+00 Cell 8 & 9	00:00 00:29	29 0	142 4 13	188 2,635 0	
2	Sta 1060+00 to 1120+00 Cell 8 & 9	03:08 03:41	33 0	146 19 194	392 2,635 0	
3	Sta 1060+00 to 1120+00 Cell 8 & 9	09:40 10:12	32 0	138 4 148	322 2,635 0	
4	Sta 1060+00 to 1120+00 Cell 8 & 9	16:02 16:30	28 0	136 4 142	310 2,635 0	
5	Sta 1060+00 to 1120+00 Cell 8 & 9	21:12 21:31	19 0	0 0 149	168 0 0	
QC NARRATIVE(S) GENERAL COMMENTS 1380 minutes @ 100% 60 minutes @ 0% Minor Repairs						

QUALITY CONTROL REPORT-HOPPER DREDGE										PAGE NO. Page 39 of 494	
CONTRACT NO. W91278-16-D-0041 0001		CONTRACT TITLE IDIQ Rental Hopper Dredge in Mobile					CONTRACTOR Dutra Dredging Company			REPORT NO. 20	
CHARACTER OF REPORT		<input checked="" type="checkbox"/> MAINTENANCE <input type="checkbox"/> NEW WORK							DATE 21 Feb 2016 - Sunday		
DREDGE (M/V Columbia)		HOPPER CAP: 4,387 CY		AVG VOL OF BIN WATER: 4,387 CY		AVG UNFILLED CAP: 4,387 CY					
		NO. OF CREW MEMBERS	DREDGE 15	OTHER PLANT 5	WORK SCHEDULE	SHIFTS PER DAY 2	DAYS PER WEEK 7				
LOCATION OF WORK		LOCATION CHANNEL Mobile Harbor	REACH DREDGED; STA TO STA Sta 1060+00 to 1120+00		DISPOSAL AREA USE ODMDS Cell 8 & 9		QTY DEPOSITED GROSS(CY) 10,540	CUMULATIVE AND QTY DEPOSIT FOR DA(CY) 176,545			
		AVG LENGTH OF CUT 6,000 FT		AVG WIDTH OF CUT 400 FT		AVG DIST TO DUMP 23 NM					
CHARACTER OF MATERIAL		DENSITY OF MATERIALS						GMS/LITER 1.045			
		DENSITY OF WATER			1.006			GMS/LITER@ 52 °F			
RIVER/TIDE STAGE		MIN 0	TIME 00:00	MAX 0	TIME 00:00	GAGE LOCATION East Fowl River					
		MIN 1	TIME 00:00	MAX 0	TIME 00:00	GAGE DATUM MLLW					
WEATHER CONDITION		WEATHER		TEMP (min / max)		VISIBILITY		WIND			
		Weather Caused No Delay		59 °F / 72 °F		10		10			
DRAFT					DISTRIBUTION OF TIME AND MILES RUN						
FORWARD		LIGHT		LOADED				AGITATING (MIN)	DREDGE & HAUL (MIN)	MILES RUN (NAUT MI)	
		8		15				EFFECTIVE WORKING TIME:			
AFT											
		10		16							
DRAG DEPTH MAX 49 MIN 44					PUMPING:		00:00	02:17	0.0		
INDICATORS LAST CHECKED ON 01/20/2016					TURNING:		00:00	00:15	0.0		
					TO DUMP:		00:00	10:55	0.0		
AVERAGE SPEED OF DREDGE DURING LOADING					CONNECTING:		00:00	00:00	0.0		
					DUMPING:		00:00	00:16	0.0		
AVERAGE SPEED OF DREDGE DURING AGITATING					DISCONNECTING:		00:00	00:00	0.0		
					TO CUT:		00:00	09:32	0.0		
GALLONS OF FUEL OIL CONSUMED					TOTALS:		00:00	23:15	0.0		
					NON-EFFECTIVE WORKING TIME:						
GALLONS OF WATER CONSUMED					TAKING ON FUEL AND SUPPLIES:		00:00	00:00	0.0		
					TO AND FROM WHARF OR ANCHORAGE:		00:00	00:00	0.0		
WORK PERFORMED					LOSS DUE TO NATURAL ELEMENTS:		00:00	00:00	0.0		
DREDGING AND HAULING				AGITATING		LOSS DUE TO TRAFFIC AND BRIDGES		00:00	00:00	0.0	
NO. OF LOADS	TOTAL CYS	DISPOSAL AREA		TOTAL CYS		MINOR OPERATING REPAIRS:		00:00	00:45	0.0	
5	10,540	Cell 8 & 9		0		TRANSFERRING BETWEEN WORKS:		00:00	00:00	0.0	
						LAY TIME:		00:00	00:00	0.0	
						FIRE AND BOAT DRILLS:		00:00	00:00	0.0	
ATTENDANT PLANT					MISCELLANEOUS:		00:00	00:00	0.0		
ITEM	NAME OR NUMBER		H.P.	HOURS	TOTALS:		00:00	00:45	0.0		
40' Crewboat	Cape Anne		400	12:00	LOST TIME:						
					MAJOR REPAIRS AND ALTERATIONS:		00:00	00:00	0.0		
					CESSATION:		00:00	00:00	0.0		
					COLLISIONS:		00:00	00:00	0.0		
					TOTALS:		00:00	00:00	0.0		
					TOTAL TIME/MILES:		00:00	24:00	0.0		

QUALITY CONTROL REPORT-HOPPER DREDGE					PAGE NO. <div>Page 40 of 494</div>	
CONTRACT NO. W91278-16-D-0041 0001		CONTRACT TITLE IDIQ Rental Hopper Dredge in Mobile		CONTRACTOR Dutra Dredging Company		REPORT NO. 20
DREDGE		NAME AND TYPE M/V Columbia			DATE 21 Feb 2016 - Sunday	
LOADS						
LOAD NUMBER	DREDGING AREA DISPOSAL AREA	START TIME STOP TIME (HH:MM)	PUMPING TURNING (MIN)	TO DUMP DUMPING TO CUT (MIN)	TOTAL TIME DREDGED AMOUNT AGITATED AMOUNT (MIN/CYS)	
1	Sta 1060+00 to 1120+00 Cell 8 & 9	00:00 00:06	6 0	123 4 0	133 2,635 0	
2	Sta 1060+00 to 1120+00 Cell 8 & 9	02:13 02:51	38 0	131 4 143	316 2,635 0	
3	Sta 1060+00 to 1120+00 Cell 8 & 9	07:29 08:15	31 15	139 4 138	327 2,635 0	
4	Sta 1060+00 to 1120+00 Cell 8 & 9	13:41 14:16	35 0	136 4 142	317 2,635 0	
5	Sta 1060+00 to 1120+00 Cell 8 & 9	18:58 19:25	27 0	126 0 149	302 0 0	
<div>QC NARRATIVE(S)</div> <div>GENERAL COMMENTS</div> <div>1395 minutes @ 100%</div> <div>45 minutes @ 0% Minor Repairs</div>						

QUALITY CONTROL REPORT-HOPPER DREDGE										PAGE NO. Page 41 of 494								
CONTRACT NO. W91278-16-D-0041 0001		CONTRACT TITLE IDIQ Rental Hopper Dredge in Mobile					CONTRACTOR Dutra Dredging Company			REPORT NO. 21								
CHARACTER OF REPORT		<input checked="" type="checkbox"/> MAINTENANCE <input type="checkbox"/> NEW WORK							DATE 22 Feb 2016 - Monday									
DREDGE (M/V Columbia)		HOPPER CAP: 4,387 CY		AVG VOL OF BIN WATER: 4,387 CY		AVG UNFILLED CAP: 4,387 CY												
		NO. OF CREW MEMBERS	DREDGE 13	OTHER PLANT 5	WORK SCHEDULE	SHIFTS PER DAY 2		DAYS PER WEEK 7										
LOCATION OF WORK		LOCATION CHANNEL Mobile Harbor		REACH DREDGED; STA TO STA Sta 1060+00 to 1120+00		DISPOSAL AREA USE ODMDS Cell 8 & 9		QTY DEPOSITED GROSS(CY) 13,175		CUMULATIVE AND QTY DEPOSIT FOR DA(CY) 189,720								
		AVG LENGTH OF CUT 6,000 FT		AVG WIDTH OF CUT 400 FT		AVG DIST TO DUMP 23 NM												
CHARACTER OF MATERIAL		DENSITY OF MATERIALS						GMS/LITER 1.045										
		DENSITY OF WATER				1.006		GMS/LITER@ 52 °F										
RIVER/TIDE STAGE		MIN 1	TIME 00:00	MAX 0	TIME 00:00	GAGE LOCATION East Fowl River												
		MIN 1	TIME 00:00	MAX 0	TIME 00:00	GAGE DATUM MLLW												
WEATHER CONDITION		WEATHER			TEMP (min / max)		VISIBILITY		WIND									
		Weather Caused No Delay			59 °F / 66 °F		10		10									
DRAFT					DISTRIBUTION OF TIME AND MILES RUN													
FORWARD		LIGHT		LOADED				AGITATING (MIN)		DREDGE & HAUL (MIN)		MILES RUN (NAUT MI)						
		8		15		EFFECTIVE WORKING TIME:												
AFT		10		16		PUMPING:		00:00		02:05		0.0						
						TURNING:		00:00		00:00		0.0						
DRAG DEPTH MAX 49 MIN 44					TO DUMP:		00:00		10:13		0.0							
					CONNECTING:		00:00		00:00		0.0							
INDICATORS LAST CHECKED ON 01/20/2016					DUMPING:		00:00		00:20		0.0							
					DISCONNECTING:		00:00		00:00		0.0							
AVERAGE SPEED OF DREDGE DURING LOADING							FT/MIN		2		TO CUT:		00:00		11:22		0.0	
AVERAGE SPEED OF DREDGE DURING AGITATING							FT/MIN		0		TOTALS:		00:00		24:00		0.0	
GALLONS OF FUEL OIL CONSUMED							GAL		2,243		NON-EFFECTIVE WORKING TIME:							
GALLONS OF WATER CONSUMED							GAL		560		TAKING ON FUEL AND SUPPLIES:		00:00		00:00		0.0	
WORK PERFORMED											TO AND FROM WHARF OR ANCHORAGE:		00:00		00:00		0.0	
													LOSS DUE TO NATURAL ELEMENTS:		00:00		00:00	
DREDGING AND HAULING				AGITATING						LOSS DUE TO TRAFFIC AND BRIDGES		00:00		00:00		0.0		
NO. OF LOADS	TOTAL CYS	DISPOSAL AREA		TOTAL CYS						MINOR OPERATING REPAIRS:		00:00		00:00		0.0		
6	13,175	Cell 8 & 9		0						TRANSFERRING BETWEEN WORKS:		00:00		00:00		0.0		
										LAY TIME:		00:00		00:00		0.0		
										FIRE AND BOAT DRILLS:		00:00		00:00		0.0		
ATTENDANT PLANT											MISCELLANEOUS:		00:00		00:00		0.0	
													TOTALS:		00:00		00:00	
ITEM		NAME OR NUMBER		H.P.		HOURS		LOST TIME:										
40' Crewboat		Cape Anne		400		12:00												
										MAJOR REPAIRS AND ALTERATIONS:		00:00		00:00		0.0		
										CESSATION:		00:00		00:00		0.0		
										COLLISIONS:		00:00		00:00		0.0		
										TOTALS:		00:00		00:00		0.0		
										TOTAL TIME/MILES:		00:00		24:00		0.0		

QUALITY CONTROL REPORT-HOPPER DREDGE					PAGE NO. Page 42 of 494	
CONTRACT NO. W91278-16-D-0041 0001		CONTRACT TITLE IDIQ Rental Hopper Dredge in Mobile		CONTRACTOR Dutra Dredging Company		REPORT NO. 21
DREDGE		NAME AND TYPE M/V Columbia			DATE 22 Feb 2016 - Monday	
LOADS						
LOAD NUMBER	DREDGING AREA DISPOSAL AREA	START TIME STOP TIME (HH:MM)	PUMPING TURNING (MIN)	TO DUMP DUMPING TO CUT (MIN)	TOTAL TIME DREDGED AMOUNT AGITATED AMOUNT (MIN/CYS)	
1	Sta 1060+00 to 1120+00 Cell 8 & 9	00:00 00:01	1 0	8 4 0	13 2,635 0	
2	Sta 1060+00 to 1120+00 Cell 8 & 9	00:13 00:42	29 0	134 4 137	304 2,635 0	
3	Sta 1060+00 to 1120+00 Cell 8 & 9	05:17 05:50	33 0	147 4 137	321 2,635 0	
4	Sta 1060+00 to 1120+00 Cell 8 & 9	10:38 11:07	29 0	146 4 132	311 2,635 0	
5	Sta 1060+00 to 1120+00 Cell 8 & 9	15:49 16:21	32 0	178 4 143	357 2,635 0	
6	Sta 1060+00 to 1120+00 Cell 8 & 9	21:46 21:47	1 0	0 0 133	134 0 0	
QC NARRATIVE(S) GENERAL COMMENTS 1440 minutes @ 100%						

QUALITY CONTROL REPORT-HOPPER DREDGE										PAGE NO. Page 43 of 494	
CONTRACT NO. W91278-16-D-0041 0001		CONTRACT TITLE IDIQ Rental Hopper Dredge in Mobile					CONTRACTOR Dutra Dredging Company			REPORT NO. 22	
CHARACTER OF REPORT		<input checked="" type="checkbox"/> MAINTENANCE <input type="checkbox"/> NEW WORK							DATE 23 Feb 2016 - Tuesday		
DREDGE (M/V Columbia)		HOPPER CAP: 4,387 CY		AVG VOL OF BIN WATER: 4,387 CY		AVG UNFILLED CAP: 4,387 CY					
		NO. OF CREW MEMBERS	DREDGE 13	OTHER PLANT 5	WORK SCHEDULE	SHIFTS PER DAY 2	DAYS PER WEEK 7				
LOCATION OF WORK		LOCATION CHANNEL Mobile Harbor	REACH DREDGED; STA TO STA Sta 1060+00 to 1120+00		DISPOSAL AREA USE ODMDS Cell 8 & 9		QTY DEPOSITED GROSS(CY) 5,270	CUMULATIVE AND QTY DEPOSIT FOR DA(CY) 194,990			
		AVG LENGTH OF CUT 6,000 FT		AVG WIDTH OF CUT 400 FT		AVG DIST TO DUMP 23 NM					
CHARACTER OF MATERIAL		DENSITY OF MATERIALS						GMS/LITER 1.045			
		DENSITY OF WATER			1.006			GMS/LITER@ 52 °F			
RIVER/TIDE STAGE		MIN 1	TIME 00:00	MAX 0	TIME 00:00	GAGE LOCATION East Fowl River					
		MIN 0	TIME 00:00	MAX 0	TIME 00:00	GAGE DATUM MLLW					
WEATHER CONDITION		WEATHER		TEMP (min / max)		VISIBILITY		WIND			
		Weather Caused Critical Delay		61 °F / 72 °F		10		50			
DRAFT					DISTRIBUTION OF TIME AND MILES RUN						
FORWARD		LIGHT		LOADED				AGITATING (MIN)	DREDGE & HAUL (MIN)	MILES RUN (NAUT MI)	
		8		15				EFFECTIVE WORKING TIME:			
AFT											
		10		16							
DRAG DEPTH MAX 49 MIN 44					PUMPING:		00:00	01:00	0.0		
INDICATORS LAST CHECKED ON 01/20/2016					TURNING:		00:00	00:00	0.0		
					TO DUMP:		00:00	05:00	0.0		
AVERAGE SPEED OF DREDGE DURING LOADING					CONNECTING:		00:00	00:00	0.0		
					DUMPING:		00:00	00:08	0.0		
AVERAGE SPEED OF DREDGE DURING AGITATING					DISCONNECTING:		00:00	00:00	0.0		
					TO CUT:		00:00	04:49	0.0		
GALLONS OF FUEL OIL CONSUMED					TOTALS:		00:00	10:57	0.0		
					NON-EFFECTIVE WORKING TIME:						
GALLONS OF WATER CONSUMED					TAKING ON FUEL AND SUPPLIES:		00:00	00:00	0.0		
					TO AND FROM WHARF OR ANCHORAGE:		00:00	00:00	0.0		
WORK PERFORMED					LOSS DUE TO NATURAL ELEMENTS:		00:00	13:03	0.0		
DREDGING AND HAULING				AGITATING		LOSS DUE TO TRAFFIC AND BRIDGES		00:00	00:00	0.0	
NO. OF LOADS	TOTAL CYS	DISPOSAL AREA		TOTAL CYS		MINOR OPERATING REPAIRS:		00:00	00:00	0.0	
3	5,270	Cell 8 & 9		0		TRANSFERRING BETWEEN WORKS:		00:00	00:00	0.0	
						LAY TIME:		00:00	00:00	0.0	
						FIRE AND BOAT DRILLS:		00:00	00:00	0.0	
ATTENDANT PLANT					MISCELLANEOUS:		00:00	00:00	0.0		
ITEM	NAME OR NUMBER		H.P.	HOURS	TOTALS:		00:00	13:03	0.0		
40' Crewboat	Cape Anne		400	12:00	LOST TIME:						
					MAJOR REPAIRS AND ALTERATIONS:		00:00	00:00	0.0		
					CESSATION:		00:00	00:00	0.0		
					COLLISIONS:		00:00	00:00	0.0		
					TOTALS:		00:00	00:00	0.0		
					TOTAL TIME/MILES:		00:00	24:00	0.0		

QUALITY CONTROL REPORT-HOPPER DREDGE			PAGE NO. Page 44 of 494
CONTRACT NO. W91278-16-D-0041 0001	CONTRACT TITLE IDIQ Rental Hopper Dredge in Mobile	CONTRACTOR Dutra Dredging Company	REPORT NO. 22
DREDGE	NAME AND TYPE M/V Columbia		DATE 23 Feb 2016 - Tuesday

LOADS					
LOAD NUMBER	DREDGING AREA DISPOSAL AREA	START TIME STOP TIME (HH:MM)	PUMPING TURNING (MIN)	TO DUMP DUMPING TO CUT (MIN)	TOTAL TIME DREDGED AMOUNT AGITATED AMOUNT (MIN/CYS)
1	Sta 1060+00 to 1120+00 Cell 8 & 9	00:00 00:33	33 0	135 4 19	191 2,635 0
2	Sta 1060+00 to 1120+00 Cell 8 & 9	03:11 03:37	26 0	165 4 137	332 2,635 0
3	Sta 1060+00 to 1120+00 Cell 8 & 9	08:43 08:44	1 0	0 0 133	134 0 0

QC NARRATIVE(S)

GENERAL COMMENTS

657 minutes @ 100%
783 minutes @ 70% Weather

QUALITY CONTROL REPORT-HOPPER DREDGE								PAGE NO.
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CONTRACT NO. W91278-16-D-0041 0001		CONTRACT TITLE IDIQ Rental Hopper Dredge in Mobile				CONTRACTOR Dutra Dredging Company		REPORT NO. 23
CHARACTER OF REPORT		<input checked="" type="checkbox"/> MAINTENANCE <input type="checkbox"/> NEW WORK					DATE 24 Feb 2016 - Wednesday	
DREDGE (M/V Columbia)		HOPPER CAP: 4,387 CY		AVG VOL OF BIN WATER: 4,387 CY		AVG UNFILLED CAP: 4,387 CY		
		NO. OF CREW MEMBERS	DREDGE 13	OTHER PLANT 5	WORK SCHEDULE	SHIFTS PER DAY 2	DAYS PER WEEK 7	
LOCATION OF WORK		LOCATION CHANNEL Mobile Harbor		REACH DREDGED; STA TO STA Sta 1060+00 to 1120+00		DISPOSAL AREA USE ODMDS Cell 8		
		AVG LENGTH OF CUT 6,000 FT		AVG WIDTH OF CUT 400 FT		AVG DIST TO DUMP 23 NM		
CHARACTER OF MATERIAL		DENSITY OF MATERIALS				GMS/LITER 1.045		
		DENSITY OF WATER		1.006		GMS/LITER@ 52 °F		
RIVER/TIDE STAGE		MIN 0	TIME 00:00	MAX 0	TIME 00:00	GAGE LOCATION East Fowl River		
		MIN 0	TIME 00:00	MAX 0	TIME 00:00	GAGE DATUM MLLW		
WEATHER CONDITION		WEATHER Weather Caused Critical Delay		TEMP (min / max) 46 °F / 68 °F		VISIBILITY 10	WIND 43	
DRAFT				DISTRIBUTION OF TIME AND MILES RUN				
FORWARD		LIGHT	LOADED			AGITATING (MIN)	DREDGE & HAUL (MIN)	MILES RUN (NAUT MI)
		8	15	EFFECTIVE WORKING TIME:				
AFT		10	16	PUMPING:		00:00	00:00	0.0
				TURNING:		00:00	00:00	0.0
DRAG DEPTH MAX 49 MIN 44				TO DUMP:		00:00	00:00	0.0
INDICATORS LAST CHECKED ON 02/23/2016				CONNECTING:		00:00	00:00	0.0
AVERAGE SPEED OF DREDGE DURING LOADING			FT/MIN 2	DUMPING:		00:00	00:00	0.0
AVERAGE SPEED OF DREDGE DURING AGITATING			FT/MIN 0	DISCONNECTING:		00:00	00:00	0.0
GALLONS OF FUEL OIL CONSUMED			GAL 259	TO CUT:		00:00	00:00	0.0
GALLONS OF WATER CONSUMED			GAL 748	TOTALS:		00:00	00:00	0.0
WORK PERFORMED				NON-EFFECTIVE WORKING TIME:				
DREDGING AND HAULING		AGITATING		TAKING ON FUEL AND SUPPLIES:		00:00	00:00	0.0
NO. OF LOADS	TOTAL CYS	DISPOSAL AREA	TOTAL CYS	TO AND FROM WHARF OR ANCHORAGE:		00:00	00:00	0.0
				LOSS DUE TO NATURAL ELEMENTS:		00:00	24:00	0.0
				LOSS DUE TO TRAFFIC AND BRIDGES		00:00	00:00	0.0
				MINOR OPERATING REPAIRS:		00:00	00:00	0.0
				TRANSFERRING BETWEEN WORKS:		00:00	00:00	0.0
				LAY TIME:		00:00	00:00	0.0
				FIRE AND BOAT DRILLS:		00:00	00:00	0.0
ATTENDANT PLANT				MISCELLANEOUS:		00:00	00:00	0.0
ITEM	NAME OR NUMBER	H.P.	HOURS	TOTALS:		00:00	24:00	0.0
40' Crewboat	Cape Anne	400	12:00	LOST TIME:				
				MAJOR REPAIRS AND ALTERATIONS:		00:00	00:00	0.0
				CESSATION:		00:00	00:00	0.0
				COLLISIONS:		00:00	00:00	0.0
				TOTALS:		00:00	00:00	0.0
				TOTAL TIME/MILES:		00:00	24:00	0.0

QUALITY CONTROL REPORT-HOPPER DREDGE			PAGE NO.
			Page 46 of 494
CONTRACT NO. W91278-16-D-0041 0001	CONTRACT TITLE IDIQ Rental Hopper Dredge in Mobile	CONTRACTOR Dutra Dredging Company	REPORT NO. 23
DREDGE	NAME AND TYPE M/V Columbia	DATE 24 Feb 2016 - Wednesday	

QC NARRATIVE(S)

GENERAL COMMENTS

1440 minutes @ 70% Weather

QUALITY CONTROL REPORT-HOPPER DREDGE								PAGE NO.
								Page 47 of 494
CONTRACT NO. W91278-16-D-0041 0001		CONTRACT TITLE IDIQ Rental Hopper Dredge in Mobile				CONTRACTOR Dutra Dredging Company		REPORT NO. 24
CHARACTER OF REPORT		<input checked="" type="checkbox"/> MAINTENANCE <input type="checkbox"/> NEW WORK					DATE 25 Feb 2016 - Thursday	
DREDGE (M/V Columbia)		HOPPER CAP: 4,387 CY		AVG VOL OF BIN WATER: 4,387 CY		AVG UNFILLED CAP: 4,387 CY		
		NO. OF CREW MEMBERS	DREDGE 13	OTHER PLANT 5	WORK SCHEDULE	SHIFTS PER DAY 2	DAYS PER WEEK 7	
LOCATION OF WORK		LOCATION CHANNEL Mobile Harbor		REACH DREDGED; STA TO STA Sta 1060+00 to 1120+00		DISPOSAL AREA USE ODMDS Cell 8 Revised		
		QTY DEPOSITED GROSS(CY) 7,905		CUMULATIVE AND QTY DEPOSIT FOR DA(CY) 202,895				
		AVG LENGTH OF CUT 6,000 FT		AVG WIDTH OF CUT 400 FT		AVG DIST TO DUMP 23 NM		
CHARACTER OF MATERIAL		DENSITY OF MATERIALS				GMS/LITER 1.045		
		DENSITY OF WATER		1.006		GMS/LITER@ 52 °F		
RIVER/TIDE STAGE		MIN 0	TIME 00:00	MAX 0	TIME 00:00	GAGE LOCATION East Fowl River		
		MIN 0	TIME 00:00	MAX 0	TIME 00:00	GAGE DATUM MLLW		
WEATHER CONDITION		WEATHER Weather Caused Critical Delay		TEMP (min / max) 41 °F / 64 °F		VISIBILITY 10	WIND 25	
DRAFT				DISTRIBUTION OF TIME AND MILES RUN				
FORWARD		LIGHT	LOADED			AGITATING (MIN)	DREDGE & HAUL (MIN)	MILES RUN (NAUT MI)
		8	15	EFFECTIVE WORKING TIME:				
AFT		10	16	PUMPING: 00:00 01:45 0.0				
				TURNING: 00:00 00:08 0.0				
DRAG DEPTH MAX 49 MIN 44				TO DUMP: 00:00 06:41 0.0				
INDICATORS LAST CHECKED ON 02/23/2016				CONNECTING: 00:00 00:00 0.0				
AVERAGE SPEED OF DREDGE DURING LOADING		FT/MIN 2		DUMPING: 00:00 00:12 0.0				
AVERAGE SPEED OF DREDGE DURING AGITATING		FT/MIN 0		DISCONNECTING: 00:00 00:00 0.0				
GALLONS OF FUEL OIL CONSUMED		GAL 459		TO CUT: 00:00 06:38 0.0				
GALLONS OF WATER CONSUMED		GAL 748		TOTALS: 00:00 15:24 0.0				
WORK PERFORMED				NON-EFFECTIVE WORKING TIME:				
DREDGING AND HAULING		AGITATING		TAKING ON FUEL AND SUPPLIES: 00:00 01:30 0.0				
NO. OF LOADS	TOTAL CYS	DISPOSAL AREA	TOTAL CYS	TO AND FROM WHARF OR ANCHORAGE: 00:00 01:38 0.0				
4	7,905	Cell 8 Revised	0	LOSS DUE TO NATURAL ELEMENTS: 00:00 04:30 0.0				
				LOSS DUE TO TRAFFIC AND BRIDGES 00:00 00:07 0.0				
				MINOR OPERATING REPAIRS: 00:00 00:51 0.0				
				TRANSFERRING BETWEEN WORKS: 00:00 00:00 0.0				
				LAY TIME: 00:00 00:00 0.0				
				FIRE AND BOAT DRILLS: 00:00 00:00 0.0				
ATTENDANT PLANT				MISCELLANEOUS: 00:00 00:00 0.0				
ITEM	NAME OR NUMBER	H.P.	HOURS	TOTALS: 00:00 08:36 0.0				
40' Crewboat	Cape Anne	400	12:00	LOST TIME:				
				MAJOR REPAIRS AND ALTERATIONS: 00:00 00:00 0.0				
				CESSATION: 00:00 00:00 0.0				
				COLLISIONS: 00:00 00:00 0.0				
				TOTALS: 00:00 00:00 0.0				
				TOTAL TIME/MILES: 00:00 24:00 0.0				

QUALITY CONTROL REPORT-HOPPER DREDGE					PAGE NO. Page 48 of 494	
CONTRACT NO. W91278-16-D-0041 0001		CONTRACT TITLE IDIQ Rental Hopper Dredge in Mobile		CONTRACTOR Dutra Dredging Company		REPORT NO. 24
DREDGE		NAME AND TYPE M/V Columbia			DATE 25 Feb 2016 - Thursday	
LOADS						
LOAD NUMBER	DREDGING AREA DISPOSAL AREA	START TIME STOP TIME (HH:MM)	PUMPING TURNING (MIN)	TO DUMP DUMPING TO CUT (MIN)	TOTAL TIME DREDGED AMOUNT AGITATED AMOUNT (MIN/CYS)	
1	Sta 1060+00 to 1120+00 Cell 8 Revised	07:38 08:14	36 0	126 4 0	166 2,635 0	
2	Sta 1060+00 to 1120+00 Cell 8 Revised	10:24 10:57	33 0	145 4 122	304 2,635 0	
3	Sta 1060+00 to 1120+00 Cell 8 Revised	15:28 16:08	32 8	130 4 126	300 2,635 0	
4	Sta 1060+00 to 1120+00 Cell 8 Revised	20:35 20:39	4 0	0 0 150	154 0 0	
QC NARRATIVE(S) GENERAL COMMENTS 924 minutes @ 100% 277 minutes @ 70% Weather & Traffic 239 minutes @ 0% Fuel - Minor Repairs						

QUALITY CONTROL REPORT-HOPPER DREDGE										PAGE NO. Page 49 of 494	
CONTRACT NO. W91278-16-D-0041 0001		CONTRACT TITLE IDIQ Rental Hopper Dredge in Mobile					CONTRACTOR Dutra Dredging Company			REPORT NO. 25	
CHARACTER OF REPORT		<input checked="" type="checkbox"/> MAINTENANCE <input type="checkbox"/> NEW WORK							DATE 26 Feb 2016 - Friday		
DREDGE (M/V Columbia)		HOPPER CAP: 4,387 CY		AVG VOL OF BIN WATER: 4,387 CY		AVG UNFILLED CAP: 4,387 CY					
		NO. OF CREW MEMBERS	DREDGE 13	OTHER PLANT 5	WORK SCHEDULE	SHIFTS PER DAY 2	DAYS PER WEEK 7				
LOCATION OF WORK		LOCATION CHANNEL Mobile Harbor	REACH DREDGED; STA TO STA Sta 1060+00 to 1120+00		DISPOSAL AREA USE ODMDS Cell 8 Revised	QTY DEPOSITED GROSS(CY) 13,175	CUMULATIVE AND QTY DEPOSIT FOR DA(CY) 216,070				
		AVG LENGTH OF CUT 6,000 FT		AVG WIDTH OF CUT 400 FT		AVG DIST TO DUMP 23 NM					
CHARACTER OF MATERIAL		DENSITY OF MATERIALS					GMS/LITER 1.045				
		DENSITY OF WATER			1.006		GMS/LITER@ 52 °F				
RIVER/TIDE STAGE		MIN 0	TIME 00:00	MAX 0	TIME 00:00	GAGE LOCATION East Fowl River					
		MIN 0	TIME 00:00	MAX 0	TIME 00:00	GAGE DATUM MLLW					
WEATHER CONDITION		WEATHER Weather Caused No Delay		TEMP (min / max) 37 °F / 59 °F		VISIBILITY 10	WIND 17				
DRAFT					DISTRIBUTION OF TIME AND MILES RUN						
FORWARD	LIGHT	LOADED				AGITATING (MIN)	DREDGE & HAUL (MIN)	MILES RUN (NAUT MI)			
	8	15			EFFECTIVE WORKING TIME:						
AFT	10	16			PUMPING:	00:00	02:30	0.0			
DRAG DEPTH MAX 49 MIN 44					TURNING:	00:00	00:06	0.0			
					TO DUMP:	00:00	11:55	0.0			
INDICATORS LAST CHECKED ON 02/23/2016					CONNECTING:	00:00	00:00	0.0			
					DUMPING:	00:00	00:20	0.0			
AVERAGE SPEED OF DREDGE DURING LOADING			FT/MIN	2	DISCONNECTING:	00:00	00:00	0.0			
AVERAGE SPEED OF DREDGE DURING AGITATING			FT/MIN	0	TO CUT:	00:00	09:09	0.0			
GALLONS OF FUEL OIL CONSUMED			GAL	3,044	TOTALS:	00:00	24:00	0.0			
GALLONS OF WATER CONSUMED			GAL	561	NON-EFFECTIVE WORKING TIME:						
WORK PERFORMED					TAKING ON FUEL AND SUPPLIES:	00:00	00:00	0.0			
DREDGING AND HAULING				AGITATING	TO AND FROM WHARF OR ANCHORAGE:	00:00	00:00	0.0			
NO. OF LOADS	TOTAL CYS	DISPOSAL AREA	TOTAL CYS		LOSS DUE TO NATURAL ELEMENTS:	00:00	00:00	0.0			
6	13,175	Cell 8 revised	0		LOSS DUE TO TRAFFIC AND BRIDGES	00:00	00:00	0.0			
					MINOR OPERATING REPAIRS:	00:00	00:00	0.0			
					TRANSFERRING BETWEEN WORKS:	00:00	00:00	0.0			
					LAY TIME:	00:00	00:00	0.0			
ATTENDANT PLANT					FIRE AND BOAT DRILLS:	00:00	00:00	0.0			
ITEM	NAME OR NUMBER		H.P.	HOURS	MISCELLANEOUS:	00:00	00:00	0.0			
40' Crewboat	Cape Anne		400	12:00	TOTALS:	00:00	00:00	0.0			
					LOST TIME:						
					MAJOR REPAIRS AND ALTERATIONS:	00:00	00:00	0.0			
					CESSATION:	00:00	00:00	0.0			
					COLLISIONS:	00:00	00:00	0.0			
					TOTALS:	00:00	00:00	0.0			
					TOTAL TIME/MILES:	00:00	24:00	0.0			

QUALITY CONTROL REPORT-HOPPER DREDGE					PAGE NO. Page 50 of 494	
CONTRACT NO. W91278-16-D-0041 0001		CONTRACT TITLE IDIQ Rental Hopper Dredge in Mobile		CONTRACTOR Dutra Dredging Company		REPORT NO. 25
DREDGE		NAME AND TYPE M/V Columbia			DATE 26 Feb 2016 - Friday	
LOADS						
LOAD NUMBER	DREDGING AREA DISPOSAL AREA	START TIME STOP TIME (HH:MM)	PUMPING TURNING (MIN)	TO DUMP DUMPING TO CUT (MIN)	TOTAL TIME DREDGED AMOUNT AGITATED AMOUNT (MIN/CYS)	
1	Sta 1060+00 to 1120+00 Cell 8 revised	00:00 00:22	22 0	130 4 0	156 2,635 0	
2	Sta 1060+00 to 1120+00 Cell 8 revised	02:36 03:08	26 6	162 4 144	342 2,635 0	
3	Sta 1060+00 to 1120+00 Cell 8 revised	08:18 08:52	34 0	149 4 126	313 2,635 0	
4	Sta 1060+00 to 1120+00 Cell 8 revised	13:31 14:06	35 0	137 4 121	297 2,635 0	
5	Sta 1060+00 to 1120+00 Cell 8 revised	18:28 19:00	32 0	137 4 132	305 2,635 0	
6	Sta 1060+00 to 1120+00 Cell 8 revised	23:33 23:34	1 0	0 0 26	27 0 0	
QC NARRATIVE(S) GENERAL COMMENTS 1440 minutes @ 100%						

QUALITY CONTROL REPORT-HOPPER DREDGE										PAGE NO. Page 51 of 494	
CONTRACT NO. W91278-16-D-0041 0001		CONTRACT TITLE IDIQ Rental Hopper Dredge in Mobile					CONTRACTOR Dutra Dredging Company			REPORT NO. 26	
CHARACTER OF REPORT		<input checked="" type="checkbox"/> MAINTENANCE <input type="checkbox"/> NEW WORK							DATE 27 Feb 2016 - Saturday		
DREDGE (M/V Columbia)		HOPPER CAP: 4,387 CY		AVG VOL OF BIN WATER: 4,387 CY		AVG UNFILLED CAP: 4,387 CY					
		NO. OF CREW MEMBERS	DREDGE 13	OTHER PLANT 5	WORK SCHEDULE	SHIFTS PER DAY 2	DAYS PER WEEK 7				
LOCATION OF WORK		LOCATION CHANNEL Mobile Harbor	REACH DREDGED; STA TO STA Sta 1060+00 to 1120+00		DISPOSAL AREA USE Cell 8 & Mobile 102 -SW		QTY DEPOSITED GROSS(CY) 10,540	CUMULATIVE AND QTY DEPOSIT FOR DA(CY) 226,610			
		AVG LENGTH OF CUT 6,000 FT		AVG WIDTH OF CUT 400 FT		AVG DIST TO DUMP 23 NM					
CHARACTER OF MATERIAL		DENSITY OF MATERIALS						GMS/LITER 1.045			
		DENSITY OF WATER			1.006			GMS/LITER@ 52 °F			
RIVER/TIDE STAGE		MIN 0	TIME 00:00	MAX 0	TIME 00:00	GAGE LOCATION East Fowl River					
		MIN 0	TIME 00:00	MAX 0	TIME 00:00	GAGE DATUM MLLW					
WEATHER CONDITION		WEATHER		TEMP (min / max)		VISIBILITY		WIND			
		Weather Caused No Delay		40 °F / 63 °F		10		20			
DRAFT					DISTRIBUTION OF TIME AND MILES RUN						
FORWARD		LIGHT		LOADED				AGITATING (MIN)	DREDGE & HAUL (MIN)	MILES RUN (NAUT MI)	
		8		15				EFFECTIVE WORKING TIME:			
AFT											
		10		16							
DRAG DEPTH MAX 49 MIN 44					PUMPING:		00:00	02:07	0.0		
INDICATORS LAST CHECKED ON 02/23/2016					TURNING:		00:00	00:16	0.0		
					TO DUMP:		00:00	09:25	0.0		
AVERAGE SPEED OF DREDGE DURING LOADING					CONNECTING:		00:00	00:00	0.0		
					DUMPING:		00:00	00:16	0.0		
AVERAGE SPEED OF DREDGE DURING AGITATING					DISCONNECTING:		00:00	00:00	0.0		
					TO CUT:		00:00	10:07	0.0		
GALLONS OF FUEL OIL CONSUMED					TOTALS:		00:00	22:11	0.0		
					NON-EFFECTIVE WORKING TIME:						
GALLONS OF WATER CONSUMED					TAKING ON FUEL AND SUPPLIES:		00:00	00:00	0.0		
					TO AND FROM WHARF OR ANCHORAGE:		00:00	00:00	0.0		
WORK PERFORMED					LOSS DUE TO NATURAL ELEMENTS:		00:00	00:00	0.0		
DREDGING AND HAULING				AGITATING		LOSS DUE TO TRAFFIC AND BRIDGES		00:00	00:54	0.0	
NO. OF LOADS	TOTAL CYS	DISPOSAL AREA		TOTAL CYS		MINOR OPERATING REPAIRS:		00:00	00:55	0.0	
2	5,270	Cell 8 revised		0		TRANSFERRING BETWEEN WORKS:		00:00	00:00	0.0	
3	5,270	Mobile 102 -SW		0		LAY TIME:		00:00	00:00	0.0	
ATTENDANT PLANT					FIRE AND BOAT DRILLS:		00:00	00:00	0.0		
					MISCELLANEOUS:		00:00	00:00	0.0		
ITEM		NAME OR NUMBER		H.P.	HOURS	TOTALS:		00:00	01:49	0.0	
40' Crewboat		Cape Anne		400	12:00	LOST TIME:					
						MAJOR REPAIRS AND ALTERATIONS:		00:00	00:00	0.0	
						CESSATION:		00:00	00:00	0.0	
						COLLISIONS:		00:00	00:00	0.0	
						TOTALS:		00:00	00:00	0.0	
						TOTAL TIME/MILES:		00:00	24:00	0.0	

QUALITY CONTROL REPORT-HOPPER DREDGE					PAGE NO. Page 52 of 494	
CONTRACT NO. W91278-16-D-0041 0001		CONTRACT TITLE IDIQ Rental Hopper Dredge in Mobile		CONTRACTOR Dutra Dredging Company		REPORT NO. 26
DREDGE		NAME AND TYPE M/V Columbia			DATE 27 Feb 2016 - Saturday	
LOADS						
LOAD NUMBER	DREDGING AREA DISPOSAL AREA	START TIME STOP TIME (HH:MM)	PUMPING TURNING (MIN)	TO DUMP DUMPING TO CUT (MIN)	TOTAL TIME DREDGED AMOUNT AGITATED AMOUNT (MIN/CYS)	
1	Sta 1060+00 to 1120+00 Cell 8 revised	00:00 00:39	31 8	146 4 106	295 2,635 0	
2	Sta 1060+00 to 1120+00 Cell 8 revised	04:55 05:32	29 8	130 4 130	301 2,635 0	
3	Sta 1060+00 to 1120+00 Mobile 102 -SW	09:56 10:29	33 0	144 4 138	319 2,635 0	
4	Sta 1060+00 to 1120+00 Mobile 102 -SW	17:04 17:37	33 0	145 4 133	315 2,635 0	
5	Sta 1060+00 to 1120+00 Mobile 102 -SW	22:19 22:20	1 0	0 0 100	101 0 0	
QC NARRATIVE(S) GENERAL COMMENTS 1331 minutes @ 100% 54 minutes @ 70% Traffic 55 minutes @ 0% Minor Repairs						

QUALITY CONTROL REPORT-HOPPER DREDGE										PAGE NO. Page 53 of 494								
CONTRACT NO. W91278-16-D-0041 0001		CONTRACT TITLE IDIQ Rental Hopper Dredge in Mobile					CONTRACTOR Dutra Dredging Company			REPORT NO. 27								
CHARACTER OF REPORT		<input checked="" type="checkbox"/> MAINTENANCE <input type="checkbox"/> NEW WORK							DATE 28 Feb 2016 - Sunday									
DREDGE (M/V Columbia)		HOPPER CAP: 4,387 CY		AVG VOL OF BIN WATER: 4,387 CY		AVG UNFILLED CAP: 4,387 CY												
		NO. OF CREW MEMBERS	DREDGE 13	OTHER PLANT 5	WORK SCHEDULE	SHIFTS PER DAY 2	DAYS PER WEEK 7											
LOCATION OF WORK		LOCATION CHANNEL Mobile Harbor		REACH DREDGED; STA TO STA Sta 1060+00 to 1120+00		DISPOSAL AREA USE Mobile 102 -SW		QTY DEPOSITED GROSS(CY) 13,175		CUMULATIVE AND QTY DEPOSIT FOR DA(CY) 239,785								
		AVG LENGTH OF CUT 6,000 FT		AVG WIDTH OF CUT 400 FT		AVG DIST TO DUMP 23 NM												
CHARACTER OF MATERIAL		DENSITY OF MATERIALS						GMS/LITER 1.045										
		DENSITY OF WATER				1.006		GMS/LITER@ 52 °F										
RIVER/TIDE STAGE		MIN 0	TIME 00:00	MAX 0	TIME 00:00	GAGE LOCATION East Fowl River												
		MIN 1	TIME 00:00	MAX 0	TIME 00:00	GAGE DATUM MLLW												
WEATHER CONDITION		WEATHER			TEMP (min / max)		VISIBILITY		WIND									
		Weather Caused No Delay			43 °F / 60 °F		10		29									
DRAFT					DISTRIBUTION OF TIME AND MILES RUN													
FORWARD		LIGHT		LOADED				AGITATING (MIN)		DREDGE & HAUL (MIN)		MILES RUN (NAUT MI)						
		8		15		EFFECTIVE WORKING TIME:												
AFT		10		16		PUMPING:		00:00		02:32		0.0						
						TURNING:		00:00		00:29		0.0						
DRAG DEPTH MAX 49 MIN 44					TO DUMP:		00:00		11:12		0.0							
					CONNECTING:		00:00		00:00		0.0							
INDICATORS LAST CHECKED ON 02/23/2016					DUMPING:		00:00		00:46		0.0							
					DISCONNECTING:		00:00		00:00		0.0							
AVERAGE SPEED OF DREDGE DURING LOADING							FT/MIN		2		TO CUT:		00:00		09:01		0.0	
AVERAGE SPEED OF DREDGE DURING AGITATING							FT/MIN		0		TOTALS:		00:00		24:00		0.0	
GALLONS OF FUEL OIL CONSUMED							GAL		2,931		NON-EFFECTIVE WORKING TIME:							
GALLONS OF WATER CONSUMED							GAL		561		TAKING ON FUEL AND SUPPLIES:		00:00		00:00		0.0	
WORK PERFORMED											TO AND FROM WHARF OR ANCHORAGE:		00:00		00:00		0.0	
													LOSS DUE TO NATURAL ELEMENTS:		00:00		00:00	
DREDGING AND HAULING				AGITATING						LOSS DUE TO TRAFFIC AND BRIDGES		00:00		00:00		0.0		
NO. OF LOADS		TOTAL CYS		DISPOSAL AREA		TOTAL CYS				MINOR OPERATING REPAIRS:		00:00		00:00		0.0		
6		13,175		Mobile 102 - SW		0				TRANSFERRING BETWEEN WORKS:		00:00		00:00		0.0		
										LAY TIME:		00:00		00:00		0.0		
										FIRE AND BOAT DRILLS:		00:00		00:00		0.0		
ATTENDANT PLANT											MISCELLANEOUS:		00:00		00:00		0.0	
													TOTALS:		00:00		00:00	
ITEM		NAME OR NUMBER			H.P.		HOURS		LOST TIME:									
40' Crewboat		Cape Anne			400		12:00				MAJOR REPAIRS AND ALTERATIONS:		00:00		00:00		0.0	
											CESSATION:		00:00		00:00		0.0	
											COLLISIONS:		00:00		00:00		0.0	
											TOTALS:		00:00		00:00		0.0	
											TOTAL TIME/MILES:		00:00		24:00		0.0	

QUALITY CONTROL REPORT-HOPPER DREDGE					PAGE NO. <div>Page 54 of 494</div>	
CONTRACT NO. W91278-16-D-0041 0001		CONTRACT TITLE IDIQ Rental Hopper Dredge in Mobile		CONTRACTOR Dutra Dredging Company		REPORT NO. 27
DREDGE		NAME AND TYPE M/V Columbia			DATE 28 Feb 2016 - Sunday	
LOADS						
LOAD NUMBER	DREDGING AREA DISPOSAL AREA	START TIME STOP TIME (HH:MM)	PUMPING TURNING (MIN)	TO DUMP DUMPING TO CUT (MIN)	TOTAL TIME DREDGED AMOUNT AGITATED AMOUNT (MIN/CYS)	
1	Sta 1060+00 to 1120+00 Mobile 102 - SW	00:00 00:35	28 7	130 4 26	195 2,635 0	
2	Sta 1060+00 to 1120+00 Mobile 102 - SW	03:15 03:49	26 8	130 4 129	297 2,635 0	
3	Sta 1060+00 to 1120+00 Mobile 102 - SW	08:12 08:51	33 6	142 30 123	334 2,635 0	
4	Sta 1060+00 to 1120+00 Mobile 102 - SW	13:46 14:17	31 0	141 4 124	300 2,635 0	
5	Sta 1060+00 to 1120+00 Mobile 102 - SW	18:46 19:27	33 8	129 4 136	310 2,635 0	
6	Sta 1060+00 to 1120+00 Mobile 102 - SW	23:56 23:57	1 0	0 0 3	4 0 0	
QC NARRATIVE(S) GENERAL COMMENTS 1440 minutes @ 100%						

QUALITY CONTROL REPORT-HOPPER DREDGE										PAGE NO. Page 55 of 494								
CONTRACT NO. W91278-16-D-0041 0001		CONTRACT TITLE IDIQ Rental Hopper Dredge in Mobile					CONTRACTOR Dutra Dredging Company			REPORT NO. 28								
CHARACTER OF REPORT		<input checked="" type="checkbox"/> MAINTENANCE <input type="checkbox"/> NEW WORK							DATE 29 Feb 2016 - Monday									
DREDGE (M/V Columbia)		HOPPER CAP: 4,387 CY		AVG VOL OF BIN WATER: 4,387 CY		AVG UNFILLED CAP: 4,387 CY												
		NO. OF CREW MEMBERS	DREDGE 13	OTHER PLANT 5	WORK SCHEDULE	SHIFTS PER DAY 2	DAYS PER WEEK 7											
LOCATION OF WORK		LOCATION CHANNEL Mobile Harbor		REACH DREDGED; STA TO STA Sta 1060+00 to 1120+00		DISPOSAL AREA USE Mobile 102 -SW		QTY DEPOSITED GROSS(CY) 10,540		CUMULATIVE AND QTY DEPOSIT FOR DA(CY) 250,325								
		AVG LENGTH OF CUT 6,000 FT		AVG WIDTH OF CUT 400 FT		AVG DIST TO DUMP 23 NM												
CHARACTER OF MATERIAL		DENSITY OF MATERIALS						GMS/LITER 1.045										
		DENSITY OF WATER			1.006			GMS/LITER@ 52 °F										
RIVER/TIDE STAGE		MIN 0	TIME 00:00	MAX 0	TIME 00:00	GAGE LOCATION East Fowl River												
		MIN 1	TIME 00:00	MAX 0	TIME 00:00	GAGE DATUM MLLW												
WEATHER CONDITION		WEATHER			TEMP (min / max)		VISIBILITY		WIND									
		Weather Caused No Delay			54 °F / 68 °F		10		23									
DRAFT					DISTRIBUTION OF TIME AND MILES RUN													
FORWARD		LIGHT		LOADED				AGITATING (MIN)		DREDGE & HAUL (MIN)		MILES RUN (NAUT MI)						
		8		15		EFFECTIVE WORKING TIME:												
AFT		10		16		PUMPING:		00:00		02:50		0.0						
						TURNING:		00:00		00:08		0.0						
DRAG DEPTH MAX 49 MIN 44					TO DUMP:		00:00		09:56		0.0							
					CONNECTING:		00:00		00:00		0.0							
INDICATORS LAST CHECKED ON 02/23/2016					DUMPING:		00:00		00:16		0.0							
					DISCONNECTING:		00:00		00:00		0.0							
AVERAGE SPEED OF DREDGE DURING LOADING							FT/MIN		2		TO CUT:		00:00		10:50		0.0	
AVERAGE SPEED OF DREDGE DURING AGITATING							FT/MIN		0		TOTALS:		00:00		24:00		0.0	
GALLONS OF FUEL OIL CONSUMED							GAL		2,923		NON-EFFECTIVE WORKING TIME:							
GALLONS OF WATER CONSUMED							GAL		374		TAKING ON FUEL AND SUPPLIES:		00:00		00:00		0.0	
WORK PERFORMED											TO AND FROM WHARF OR ANCHORAGE:		00:00		00:00		0.0	
													LOSS DUE TO NATURAL ELEMENTS:		00:00		00:00	
DREDGING AND HAULING											LOSS DUE TO TRAFFIC AND BRIDGES		00:00		00:00		0.0	
NO. OF LOADS		TOTAL CYS		DISPOSAL AREA		TOTAL CYS				MINOR OPERATING REPAIRS:		00:00		00:00		0.0		
5		10,540		Mobile 102 -SW		0				TRANSFERRING BETWEEN WORKS:		00:00		00:00		0.0		
										LAY TIME:		00:00		00:00		0.0		
										FIRE AND BOAT DRILLS:		00:00		00:00		0.0		
ATTENDANT PLANT											MISCELLANEOUS:		00:00		00:00		0.0	
													TOTALS:		00:00		00:00	
ITEM		NAME OR NUMBER			H.P.		HOURS		LOST TIME:									
40' Crewboat		Cape Anne			400		12:00				MAJOR REPAIRS AND ALTERATIONS:		00:00		00:00		0.0	
											CESSATION:		00:00		00:00		0.0	
											COLLISIONS:		00:00		00:00		0.0	
											TOTALS:		00:00		00:00		0.0	
											TOTAL TIME/MILES:		00:00		24:00		0.0	

QUALITY CONTROL REPORT-HOPPER DREDGE					PAGE NO. <div>Page 56 of 494</div>	
CONTRACT NO. W91278-16-D-0041 0001		CONTRACT TITLE IDIQ Rental Hopper Dredge in Mobile		CONTRACTOR Dutra Dredging Company		REPORT NO. 28
DREDGE		NAME AND TYPE M/V Columbia			DATE 29 Feb 2016 - Monday	
LOADS						
LOAD NUMBER	DREDGING AREA DISPOSAL AREA	START TIME STOP TIME (HH:MM)	PUMPING TURNING (MIN)	TO DUMP DUMPING TO CUT (MIN)	TOTAL TIME DREDGED AMOUNT AGITATED AMOUNT (MIN/CYS)	
1	Sta 1060+00 to 1120+00 Mobile 102 -SW	00:00 00:29	29 0	142 4 126	301 2,635 0	
2	Sta 1060+00 to 1120+00 Mobile 102 -SW	05:01 05:37	36 0	145 4 133	318 2,635 0	
3	Sta 1060+00 to 1120+00 Mobile 102 -SW	10:19 10:57	30 8	148 4 120	310 2,635 0	
4	Sta 1060+00 to 1120+00 Mobile 102 -SW	15:29 16:04	35 0	135 4 131	305 2,635 0	
5	Sta 1060+00 to 1120+00 Mobile 102 -SW	20:34 21:14	40 0	26 0 140	206 0 0	
<div>QC NARRATIVE(S)</div> <div>GENERAL COMMENTS</div> <div>1440 minutes @ 100%</div>						

QUALITY CONTROL REPORT-HOPPER DREDGE										PAGE NO. Page 57 of 494	
CONTRACT NO. W91278-16-D-0041 0001		CONTRACT TITLE IDIQ Rental Hopper Dredge in Mobile					CONTRACTOR Dutra Dredging Company			REPORT NO. 29	
CHARACTER OF REPORT		<input checked="" type="checkbox"/> MAINTENANCE <input type="checkbox"/> NEW WORK							DATE 01 Mar 2016 - Tuesday		
DREDGE (M/V Columbia)		HOPPER CAP: 4,387 CY		AVG VOL OF BIN WATER: 4,387 CY		AVG UNFILLED CAP: 4,387 CY					
		NO. OF CREW MEMBERS	DREDGE 13	OTHER PLANT 5	WORK SCHEDULE	SHIFTS PER DAY 2	DAYS PER WEEK 7				
LOCATION OF WORK		LOCATION CHANNEL Mobile Harbor	REACH DREDGED; STA TO STA Sta 1060+00 to 1120+00		DISPOSAL AREA USE Mobile 102 -SW		QTY DEPOSITED GROSS(CY) 13,175	CUMULATIVE AND QTY DEPOSIT FOR DA(CY) 263,500			
		AVG LENGTH OF CUT 6,000 FT		AVG WIDTH OF CUT 400 FT		AVG DIST TO DUMP 23 NM					
CHARACTER OF MATERIAL		DENSITY OF MATERIALS						GMS/LITER 1.045			
		DENSITY OF WATER			1.006			GMS/LITER@ 52 °F			
RIVER/TIDE STAGE		MIN 1	TIME 00:00	MAX 0	TIME 00:00	GAGE LOCATION East Fowl River					
		MIN 1	TIME 00:00	MAX 0	TIME 00:00	GAGE DATUM MLLW					
WEATHER CONDITION		WEATHER Weather Caused No Delay		TEMP (min / max) 57 °F / 74 °F		VISIBILITY 10		WIND 24			
DRAFT					DISTRIBUTION OF TIME AND MILES RUN						
FORWARD	LIGHT		LOADED			AGITATING (MIN)	DREDGE & HAUL (MIN)	MILES RUN (NAUT MI)			
	8		15		EFFECTIVE WORKING TIME:						
AFT	10		16		PUMPING:	00:00	02:07	0.0			
DRAG DEPTH MAX 49 MIN 44					TURNING:	00:00	00:16	0.0			
					TO DUMP:	00:00	11:10	0.0			
INDICATORS LAST CHECKED ON 02/23/2016					CONNECTING:	00:00	00:00	0.0			
					DUMPING:	00:00	00:36	0.0			
AVERAGE SPEED OF DREDGE DURING LOADING				FT/MIN 2	DISCONNECTING:	00:00	00:00	0.0			
AVERAGE SPEED OF DREDGE DURING AGITATING				FT/MIN 0	TO CUT:	00:00	09:51	0.0			
GALLONS OF FUEL OIL CONSUMED				GAL 3,217	TOTALS:	00:00	24:00	0.0			
GALLONS OF WATER CONSUMED				GAL 748	NON-EFFECTIVE WORKING TIME:						
WORK PERFORMED					TAKING ON FUEL AND SUPPLIES:	00:00	00:00	0.0			
					TO AND FROM WHARF OR ANCHORAGE:	00:00	00:00	0.0			
DREDGING AND HAULING				AGITATING	LOSS DUE TO NATURAL ELEMENTS:	00:00	00:00	0.0			
NO. OF LOADS	TOTAL CYS	DISPOSAL AREA	TOTAL CYS		LOSS DUE TO TRAFFIC AND BRIDGES	00:00	00:00	0.0			
6	13,175	Mobile 102 -SW	0		MINOR OPERATING REPAIRS:	00:00	00:00	0.0			
					TRANSFERRING BETWEEN WORKS:	00:00	00:00	0.0			
					LAY TIME:	00:00	00:00	0.0			
					FIRE AND BOAT DRILLS:	00:00	00:00	0.0			
ATTENDANT PLANT					MISCELLANEOUS:	00:00	00:00	0.0			
					TOTALS:	00:00	00:00	0.0			
ITEM	NAME OR NUMBER		H.P.	HOURS	LOST TIME:						
40' Crewboat	Cape Anne		400	12:00	MAJOR REPAIRS AND ALTERATIONS:	00:00	00:00	0.0			
					CESSATION:	00:00	00:00	0.0			
					COLLISIONS:	00:00	00:00	0.0			
					TOTALS:	00:00	00:00	0.0			
					TOTAL TIME/MILES:	00:00	24:00	0.0			

QUALITY CONTROL REPORT-HOPPER DREDGE					PAGE NO. Page 58 of 494	
CONTRACT NO. W91278-16-D-0041 0001		CONTRACT TITLE IDIQ Rental Hopper Dredge in Mobile		CONTRACTOR Dutra Dredging Company		REPORT NO. 29
DREDGE		NAME AND TYPE M/V Columbia			DATE 01 Mar 2016 - Tuesday	
LOADS						
LOAD NUMBER	DREDGING AREA DISPOSAL AREA	START TIME STOP TIME (HH:MM)	PUMPING TURNING (MIN)	TO DUMP DUMPING TO CUT (MIN)	TOTAL TIME DREDGED AMOUNT AGITATED AMOUNT (MIN/CYS)	
1	Sta 1060+00 to 1120+00 Mobile 102 -SW	00:00 00:01	1 0	126 4 0	131 2,635 0	
2	Sta 1060+00 to 1120+00 Mobile 102 -SW	02:11 02:41	30 0	142 20 135	327 2,635 0	
3	Sta 1060+00 to 1120+00 Mobile 102 -SW	07:38 08:14	30 6	138 4 127	305 2,635 0	
4	Sta 1060+00 to 1120+00 Mobile 102 -SW	12:43 13:27	34 10	130 4 128	306 2,635 0	
5	Sta 1060+00 to 1120+00 Mobile 102 -SW	17:49 18:20	31 0	134 4 135	304 2,635 0	
6	Sta 1060+00 to 1120+00 Mobile 102 -SW	22:53 22:54	1 0	0 0 66	67 0 0	
QC NARRATIVE(S) GENERAL COMMENTS 1440 minutes @ 100%						

QUALITY CONTROL REPORT-HOPPER DREDGE											PAGE NO. <div>Page 59 of 494</div>			
CONTRACT NO. W91278-16-D-0041 0001		CONTRACT TITLE IDIQ Rental Hopper Dredge in Mobile					CONTRACTOR Dutra Dredging Company				REPORT NO. 30			
CHARACTER OF REPORT		<input checked="" type="checkbox"/> MAINTENANCE <input type="checkbox"/> NEW WORK								DATE 02 Mar 2016 - Wednesday				
DREDGE (M/V Columbia)		HOPPER CAP: 4,387 CY			AVG VOL OF BIN WATER: 4,387 CY			AVG UNFILLED CAP: 4,387 CY						
		NO. OF CREW MEMBERS	DREDGE 13		OTHER PLANT 5	WORK SCHEDULE	SHIFTS PER DAY 2	DAYS PER WEEK 7						
LOCATION OF WORK		LOCATION CHANNEL Mobile Harbor		REACH DREDGED; STA TO STA Sta 1060+00 to 1120+00 & 1120 to 1180		DISPOSAL AREA USE Mobile 102 -SW		QTY DEPOSITED GROSS(CY) 10,540		CUMULATIVE AND QTY DEPOSIT FOR DA(CY) 274,040				
		AVG LENGTH OF CUT 6,000 FT			AVG WIDTH OF CUT 400 FT			AVG DIST TO DUMP 23 NM						
CHARACTER OF MATERIAL		DENSITY OF MATERIALS							GMS/LITER 1.045					
		DENSITY OF WATER				1.006			GMS/LITER@ 52 °F					
RIVER/TIDE STAGE		MIN 1	TIME 00:00	MAX 0	TIME 00:00	GAGE LOCATION East Fowl River								
		MIN 0	TIME 00:00	MAX 0	TIME 00:00	GAGE DATUM MLLW								
WEATHER CONDITION		WEATHER Weather Caused No Delay			TEMP (min / max) 51 °F / 66 °F		VISIBILITY 10		WIND 27					
DRAFT					DISTRIBUTION OF TIME AND MILES RUN									
FORWARD		LIGHT		LOADED				AGITATING (MIN)		DREDGE & HAUL (MIN)		MILES RUN (NAUT MI)		
		8		15		EFFECTIVE WORKING TIME:								
AFT		10		16		PUMPING:		00:00		02:29		0.0		
						TURNING:		00:00		00:06		0.0		
DRAG DEPTH MAX 49 MIN 44					TO DUMP:		00:00		10:25		0.0			
INDICATORS LAST CHECKED ON 02/23/2016					CONNECTING:		00:00		00:00		0.0			
AVERAGE SPEED OF DREDGE DURING LOADING					FT/MIN 2		DUMPING:		00:00		00:37		0.0	
AVERAGE SPEED OF DREDGE DURING AGITATING					FT/MIN 0		DISCONNECTING:		00:00		00:00		0.0	
							TO CUT:		00:00		10:16		0.0	
GALLONS OF FUEL OIL CONSUMED					GAL 3,351		TOTALS:		00:00		23:53		0.0	
GALLONS OF WATER CONSUMED					GAL 561		NON-EFFECTIVE WORKING TIME:							
WORK PERFORMED					TAKING ON FUEL AND SUPPLIES:		00:00		00:00		0.0			
DREDGING AND HAULING			AGITATING		TO AND FROM WHARF OR ANCHORAGE:		00:00		00:00		0.0			
NO. OF LOADS	TOTAL CYS	DISPOSAL AREA		TOTAL CYS		LOSS DUE TO NATURAL ELEMENTS:		00:00		00:00		0.0		
5	10,540	Mobile 102 -SW		0		LOSS DUE TO TRAFFIC AND BRIDGES		00:00		00:00		0.0		
						MINOR OPERATING REPAIRS:		00:00		00:07		0.0		
						TRANSFERRING BETWEEN WORKS:		00:00		00:00		0.0		
						LAY TIME:		00:00		00:00		0.0		
						FIRE AND BOAT DRILLS:		00:00		00:00		0.0		
ATTENDANT PLANT					MISCELLANEOUS:		00:00		00:00		0.0			
ITEM	NAME OR NUMBER			H.P.	HOURS	TOTALS:		00:00		00:07		0.0		
40' Crewboat	Cape Anne			400	12:00	LOST TIME:								
						MAJOR REPAIRS AND ALTERATIONS:		00:00		00:00		0.0		
						CESSATION:		00:00		00:00		0.0		
						COLLISIONS:		00:00		00:00		0.0		
						TOTALS:		00:00		00:00		0.0		
						TOTAL TIME/MILES:		00:00		24:00		0.0		

QUALITY CONTROL REPORT-HOPPER DREDGE					PAGE NO. Page 60 of 494	
CONTRACT NO. W91278-16-D-0041 0001		CONTRACT TITLE IDIQ Rental Hopper Dredge in Mobile		CONTRACTOR Dutra Dredging Company		REPORT NO. 30
DREDGE		NAME AND TYPE M/V Columbia			DATE 02 Mar 2016 - Wednesday	
LOADS						
LOAD NUMBER	DREDGING AREA DISPOSAL AREA	START TIME STOP TIME (HH:MM)	PUMPING TURNING (MIN)	TO DUMP DUMPING TO CUT (MIN)	TOTAL TIME DREDGED AMOUNT AGITATED AMOUNT (MIN/CYS)	
1	Sta 1060+00 to 1120+00 Mobile 102 -SW	00:00 00:28	28 0	130 4 72	234 2,635 0	
2	Sta 1060+00 to 1120+00 Mobile 102 -SW	03:54 04:28	28 6	130 25 152	341 2,635 0	
3	Sta 1060+00 to 1120+00 Mobile 102 -SW	09:42 10:11	29 0	152 4 130	315 2,635 0	
4	Sta 1120+00 to 1180+00 Mobile 102 -SW	14:57 15:28	31 0	130 4 129	294 2,635 0	
5	Sta 1120+00 to 1180+00 Mobile 102 -SW	19:51 20:24	33 0	83 0 133	249 0 0	
QC NARRATIVE(S) GENERAL COMMENTS 1433 minutes @ 100% 7 minutes @ 0%						

QUALITY CONTROL REPORT-HOPPER DREDGE										PAGE NO. Page 61 of 494						
CONTRACT NO. W91278-16-D-0041 0001		CONTRACT TITLE IDIQ Rental Hopper Dredge in Mobile					CONTRACTOR Dutra Dredging Company			REPORT NO. 31						
CHARACTER OF REPORT		<input checked="" type="checkbox"/> MAINTENANCE <input type="checkbox"/> NEW WORK							DATE 03 Mar 2016 - Thursday							
DREDGE (M/V Columbia)		HOPPER CAP: 4,387 CY		AVG VOL OF BIN WATER: 4,387 CY		AVG UNFILLED CAP: 4,387 CY										
		NO. OF CREW MEMBERS	DREDGE 13	OTHER PLANT 5	WORK SCHEDULE	SHIFTS PER DAY 2	DAYS PER WEEK 7									
LOCATION OF WORK		LOCATION CHANNEL Mobile Harbor		REACH DREDGED; STA TO STA Sta 1120+00 to 1180+00 and 255+00 to 280+00		DISPOSAL AREA USE Mobile 102 -SW		QTY DEPOSITED GROSS(CY) 10,540		CUMULATIVE AND QTY DEPOSIT FOR DA(CY) 284,580						
		AVG LENGTH OF CUT 6,000 FT		AVG WIDTH OF CUT 400 FT		AVG DIST TO DUMP 23 NM										
CHARACTER OF MATERIAL		DENSITY OF MATERIALS						GMS/LITER 1.045								
		DENSITY OF WATER			1.006			GMS/LITER@ 52 °F								
RIVER/TIDE STAGE		MIN 0	TIME 00:00	MAX 0	TIME 00:00	GAGE LOCATION East Fowl River										
		MIN 1	TIME 00:00	MAX 0	TIME 00:00	GAGE DATUM MLLW										
WEATHER CONDITION		WEATHER			TEMP (min / max)		VISIBILITY		WIND							
		Weather Caused No Delay			50 °F / 69 °F		10		38							
DRAFT					DISTRIBUTION OF TIME AND MILES RUN											
FORWARD		LIGHT		LOADED				AGITATING (MIN)		DREDGE & HAUL (MIN)		MILES RUN (NAUT MI)				
		8		15		EFFECTIVE WORKING TIME:										
AFT		10		16		PUMPING:		00:00		01:57		0.0				
						TURNING:		00:00		00:08		0.0				
DRAG DEPTH MAX 49 MIN 44					TO DUMP:		00:00		09:31		0.0					
					CONNECTING:		00:00		00:00		0.0					
INDICATORS LAST CHECKED ON 02/23/2016					DUMPING:		00:00		00:24		0.0					
					DISCONNECTING:		00:00		00:00		0.0					
AVERAGE SPEED OF DREDGE DURING LOADING					FT/MIN		2		TO CUT:		00:00		11:45		0.0	
AVERAGE SPEED OF DREDGE DURING AGITATING					FT/MIN		0		TOTALS:		00:00		23:45		0.0	
GALLONS OF FUEL OIL CONSUMED					GAL		2,535		NON-EFFECTIVE WORKING TIME:							
GALLONS OF WATER CONSUMED					GAL		561		TAKING ON FUEL AND SUPPLIES:		00:00		00:00		0.0	
WORK PERFORMED					TO AND FROM WHARF OR ANCHORAGE:		00:00		00:00		0.0					
					LOSS DUE TO NATURAL ELEMENTS:		00:00		00:00		0.0					
DREDGING AND HAULING			AGITATING		LOSS DUE TO TRAFFIC AND BRIDGES		00:00		00:15		0.0					
NO. OF LOADS	TOTAL CYS	DISPOSAL AREA		TOTAL CYS		MINOR OPERATING REPAIRS:		00:00		00:00		0.0				
5	10,540	Mobile 102-SW		0		TRANSFERRING BETWEEN WORKS:		00:00		00:00		0.0				
						LAY TIME:		00:00		00:00		0.0				
						FIRE AND BOAT DRILLS:		00:00		00:00		0.0				
ATTENDANT PLANT					MISCELLANEOUS:		00:00		00:00		0.0					
					TOTALS:		00:00		00:15		0.0					
ITEM		NAME OR NUMBER		H.P.	HOURS	LOST TIME:										
40' Crewboat		Cape Anne		400	12:00	MAJOR REPAIRS AND ALTERATIONS:		00:00		00:00		0.0				
						CESSATION:		00:00		00:00		0.0				
						COLLISIONS:		00:00		00:00		0.0				
						TOTALS:		00:00		00:00		0.0				
						TOTAL TIME/MILES:		00:00		24:00		0.0				

QUALITY CONTROL REPORT-HOPPER DREDGE					PAGE NO. Page 62 of 494	
CONTRACT NO. W91278-16-D-0041 0001		CONTRACT TITLE IDIQ Rental Hopper Dredge in Mobile		CONTRACTOR Dutra Dredging Company		REPORT NO. 31
DREDGE		NAME AND TYPE M/V Columbia			DATE 03 Mar 2016 - Thursday	
LOADS						
LOAD NUMBER	DREDGING AREA DISPOSAL AREA	START TIME STOP TIME (HH:MM)	PUMPING TURNING (MIN)	TO DUMP DUMPING TO CUT (MIN)	TOTAL TIME DREDGED AMOUNT AGITATED AMOUNT (MIN/CYS)	
1	Sta 1120+00 to 1180+00 Mobile 102-SW	00:00 00:01	1 0	47 4 0	52 2,635 0	
2	Sta 1120+00 to 1180+00 Mobile 102-SW	00:52 01:27	35 0	134 4 136	309 2,635 0	
3	Sta 1120+00 to 1180+00 Mobile 102-SW	06:01 06:41	40 0	158 12 117	327 2,635 0	
4	Sta 255+00 to 280+00 Mobile 102-SW	11:28 11:58	22 8	220 4 214	468 2,635 0	
5	Sta 255+00 to 280+00 Mobile 102-SW	19:16 19:35	19 0	12 0 238	269 0 0	
QC NARRATIVE(S) GENERAL COMMENTS 1425 minutes @ 100% 15 minutes @ 70%						

QUALITY CONTROL REPORT-HOPPER DREDGE										PAGE NO. Page 63 of 494								
CONTRACT NO. W91278-16-D-0041 0001		CONTRACT TITLE IDIQ Rental Hopper Dredge in Mobile					CONTRACTOR Dutra Dredging Company			REPORT NO. 32								
CHARACTER OF REPORT		<input checked="" type="checkbox"/> MAINTENANCE <input type="checkbox"/> NEW WORK							DATE 04 Mar 2016 - Friday									
DREDGE (M/V Columbia)		HOPPER CAP: 4,387 CY		AVG VOL OF BIN WATER: 4,387 CY		AVG UNFILLED CAP: 4,387 CY												
		NO. OF CREW MEMBERS	DREDGE 13	OTHER PLANT 5	WORK SCHEDULE	SHIFTS PER DAY 2	DAYS PER WEEK 7											
LOCATION OF WORK		LOCATION CHANNEL Mobile Harbor		REACH DREDGED; STA TO STA Sta 255+00 to 280+00		DISPOSAL AREA USE Mobile 102 -SW		QTY DEPOSITED GROSS(CY) 7,905		CUMULATIVE AND QTY DEPOSIT FOR DA(CY) 292,485								
		AVG LENGTH OF CUT 6,000 FT		AVG WIDTH OF CUT 400 FT		AVG DIST TO DUMP 39 NM												
CHARACTER OF MATERIAL		DENSITY OF MATERIALS						GMS/LITER 1.045										
		DENSITY OF WATER			1.006			GMS/LITER@ 52 °F										
RIVER/TIDE STAGE		MIN 0	TIME 00:00	MAX 0	TIME 00:00	GAGE LOCATION USCG Brookley												
		MIN 0	TIME 00:00	MAX 0	TIME 00:00	GAGE DATUM MLLW												
WEATHER CONDITION		WEATHER Weather Caused No Delay			TEMP (min / max) 47 °F / 63 °F		VISIBILITY 10		WIND 23									
DRAFT					DISTRIBUTION OF TIME AND MILES RUN													
FORWARD		LIGHT		LOADED				AGITATING (MIN)		DREDGE & HAUL (MIN)		MILES RUN (NAUT MI)						
		8		15		EFFECTIVE WORKING TIME:												
AFT		10		16		PUMPING:		00:00		01:25		0.0						
						TURNING:		00:00		00:00		0.0						
DRAG DEPTH MAX 49 MIN 44					TO DUMP:		00:00		11:02		0.0							
					CONNECTING:		00:00		00:00		0.0							
INDICATORS LAST CHECKED ON 02/23/2016					DUMPING:		00:00		00:12		0.0							
					DISCONNECTING:		00:00		00:00		0.0							
AVERAGE SPEED OF DREDGE DURING LOADING							FT/MIN		2		TO CUT:		00:00		11:21		0.0	
AVERAGE SPEED OF DREDGE DURING AGITATING							FT/MIN		0		TOTALS:		00:00		24:00		0.0	
GALLONS OF FUEL OIL CONSUMED							GAL		2,270		NON-EFFECTIVE WORKING TIME:							
GALLONS OF WATER CONSUMED							GAL		749		TAKING ON FUEL AND SUPPLIES:		00:00		00:00		0.0	
WORK PERFORMED											TO AND FROM WHARF OR ANCHORAGE:		00:00		00:00		0.0	
													LOSS DUE TO NATURAL ELEMENTS:		00:00		00:00	
DREDGING AND HAULING							AGITATING				LOSS DUE TO TRAFFIC AND BRIDGES		00:00		00:00		0.0	
NO. OF LOADS		TOTAL CYS		DISPOSAL AREA		TOTAL CYS				MINOR OPERATING REPAIRS:		00:00		00:00		0.0		
4		7,905		Mobile 102 - SW		0				TRANSFERRING BETWEEN WORKS:		00:00		00:00		0.0		
										LAY TIME:		00:00		00:00		0.0		
										FIRE AND BOAT DRILLS:		00:00		00:00		0.0		
ATTENDANT PLANT											MISCELLANEOUS:		00:00		00:00		0.0	
													TOTALS:		00:00		00:00	
ITEM		NAME OR NUMBER			H.P.		HOURS		LOST TIME:									
40' Crewboat		Cape Anne			400		12:00				MAJOR REPAIRS AND ALTERATIONS:		00:00		00:00		0.0	
											CESSATION:		00:00		00:00		0.0	
											COLLISIONS:		00:00		00:00		0.0	
											TOTALS:		00:00		00:00		0.0	
											TOTAL TIME/MILES:		00:00		24:00		0.0	

QUALITY CONTROL REPORT-HOPPER DREDGE					PAGE NO. Page 64 of 494	
CONTRACT NO. W91278-16-D-0041 0001		CONTRACT TITLE IDIQ Rental Hopper Dredge in Mobile		CONTRACTOR Dutra Dredging Company		REPORT NO. 32
DREDGE		NAME AND TYPE M/V Columbia			DATE 04 Mar 2016 - Friday	
LOADS						
LOAD NUMBER	DREDGING AREA DISPOSAL AREA	START TIME STOP TIME (HH:MM)	PUMPING TURNING (MIN)	TO DUMP DUMPING TO CUT (MIN)	TOTAL TIME DREDGED AMOUNT AGITATED AMOUNT (MIN/CYS)	
1	Sta 255+00 to 280+00 Mobile 102 - SW	00:00 00:01	1 0	182 4 0	187 2,635 0	
2	Sta 255+00 to 280+00 Mobile 102 - SW	03:07 03:44	37 0	218 4 238	497 2,635 0	
3	Sta 255+00 to 280+00 Mobile 102 - SW	11:24 11:49	25 0	223 4 224	476 2,635 0	
4	Sta 255+00 to 280+00 Mobile 102 - SW	19:20 19:42	22 0	39 0 219	280 0 0	
QC NARRATIVE(S) GENERAL COMMENTS 1440 minutes @ 100%						

QUALITY CONTROL REPORT-HOPPER DREDGE										PAGE NO. Page 65 of 494	
CONTRACT NO. W91278-16-D-0041 0001		CONTRACT TITLE IDIQ Rental Hopper Dredge in Mobile					CONTRACTOR Dutra Dredging Company			REPORT NO. 33	
CHARACTER OF REPORT		<input checked="" type="checkbox"/> MAINTENANCE <input type="checkbox"/> NEW WORK							DATE 05 Mar 2016 - Saturday		
DREDGE (M/V Columbia)		HOPPER CAP: 4,387 CY		AVG VOL OF BIN WATER: 4,387 CY		AVG UNFILLED CAP: 4,387 CY					
		NO. OF CREW MEMBERS	DREDGE 13	OTHER PLANT 5	WORK SCHEDULE	SHIFTS PER DAY 2	DAYS PER WEEK 7				
LOCATION OF WORK		LOCATION CHANNEL Mobile Harbor	REACH DREDGED; STA TO STA Sta 255+00 to 280+00		DISPOSAL AREA USE Mobile 102 -SW		QTY DEPOSITED GROSS(CY) 7,905	CUMULATIVE AND QTY DEPOSIT FOR DA(CY) 300,390			
		AVG LENGTH OF CUT 6,000 FT		AVG WIDTH OF CUT 400 FT		AVG DIST TO DUMP 39 NM					
CHARACTER OF MATERIAL		DENSITY OF MATERIALS					GMS/LITER 1.045				
		DENSITY OF WATER			1.006		GMS/LITER@ 52 °F				
RIVER/TIDE STAGE		MIN 0	TIME 00:00	MAX 0	TIME 00:00	GAGE LOCATION USCG Brookley					
		MIN 0	TIME 00:00	MAX 0	TIME 00:00	GAGE DATUM MLLW					
WEATHER CONDITION		WEATHER Weather Caused No Delay		TEMP (min / max) 47 °F / 72 °F		VISIBILITY 10		WIND 17			
DRAFT					DISTRIBUTION OF TIME AND MILES RUN						
FORWARD	LIGHT		LOADED			AGITATING (MIN)	DREDGE & HAUL (MIN)	MILES RUN (NAUT MI)			
	8		15		EFFECTIVE WORKING TIME:						
AFT	10		16		PUMPING:	00:00	01:05	0.0			
					TURNING:	00:00	00:00	0.0			
DRAG DEPTH MAX 49 MIN 44					TO DUMP:	00:00	10:17	0.0			
					CONNECTING:	00:00	00:00	0.0			
INDICATORS LAST CHECKED ON 02/23/2016					DUMPING:	00:00	00:49	0.0			
					DISCONNECTING:	00:00	00:00	0.0			
AVERAGE SPEED OF DREDGE DURING LOADING				FT/MIN	2	TO CUT:	00:00	11:09	0.0		
AVERAGE SPEED OF DREDGE DURING AGITATING				FT/MIN	0	TOTALS:	00:00	23:20	0.0		
GALLONS OF FUEL OIL CONSUMED				GAL	3,027	NON-EFFECTIVE WORKING TIME:					
GALLONS OF WATER CONSUMED				GAL	560	TAKING ON FUEL AND SUPPLIES:	00:00	00:00	0.0		
WORK PERFORMED					TO AND FROM WHARF OR ANCHORAGE:	00:00	00:00	0.0			
					LOSS DUE TO NATURAL ELEMENTS:	00:00	00:00	0.0			
DREDGING AND HAULING			AGITATING		LOSS DUE TO TRAFFIC AND BRIDGES	00:00	00:00	0.0			
NO. OF LOADS	TOTAL CYS	DISPOSAL AREA	TOTAL CYS		MINOR OPERATING REPAIRS:	00:00	00:40	0.0			
4	7,905	Mobile 102-SW	0		TRANSFERRING BETWEEN WORKS:	00:00	00:00	0.0			
					LAY TIME:	00:00	00:00	0.0			
					FIRE AND BOAT DRILLS:	00:00	00:00	0.0			
ATTENDANT PLANT					MISCELLANEOUS:	00:00	00:00	0.0			
					TOTALS:	00:00	00:40	0.0			
ITEM	NAME OR NUMBER		H.P.	HOURS	LOST TIME:						
40' Crewboat	Cape Anne		400	12:00	MAJOR REPAIRS AND ALTERATIONS:	00:00	00:00	0.0			
					CESSATION:	00:00	00:00	0.0			
					COLLISIONS:	00:00	00:00	0.0			
					TOTALS:	00:00	00:00	0.0			
					TOTAL TIME/MILES:	00:00	24:00	0.0			

QUALITY CONTROL REPORT-HOPPER DREDGE					PAGE NO. Page 66 of 494	
CONTRACT NO. W91278-16-D-0041 0001		CONTRACT TITLE IDIQ Rental Hopper Dredge in Mobile		CONTRACTOR Dutra Dredging Company		REPORT NO. 33
DREDGE		NAME AND TYPE M/V Columbia			DATE 05 Mar 2016 - Saturday	
LOADS						
LOAD NUMBER	DREDGING AREA DISPOSAL AREA	START TIME STOP TIME (HH:MM)	PUMPING TURNING (MIN)	TO DUMP DUMPING TO CUT (MIN)	TOTAL TIME DREDGED AMOUNT AGITATED AMOUNT (MIN/CYS)	
1	Sta 255+00 to 280+00 Mobile 102-SW	00:00 00:01	1 0	166 4 0	171 2,635 0	
2	Sta 255+00 to 280+00 Mobile 102-SW	02:51 03:16	25 0	231 10 230	496 2,635 0	
3	Sta 255+00 to 280+00 Mobile 102-SW	11:07 11:27	20 0	219 35 214	488 2,635 0	
4	Sta 255+00 to 280+00 Mobile 102-SW	19:55 20:14	19 0	1 0 225	245 0 0	
QC NARRATIVE(S) GENERAL COMMENTS 1400 minutes @ 100% 40 minutes @ 0%						

QUALITY CONTROL REPORT-HOPPER DREDGE										PAGE NO. Page 67 of 494	
CONTRACT NO. W91278-16-D-0041 0001		CONTRACT TITLE IDIQ Rental Hopper Dredge in Mobile					CONTRACTOR Dutra Dredging Company			REPORT NO. 34	
CHARACTER OF REPORT		<input checked="" type="checkbox"/> MAINTENANCE <input type="checkbox"/> NEW WORK							DATE 06 Mar 2016 - Sunday		
DREDGE (M/V Columbia)		HOPPER CAP: 4,387 CY		AVG VOL OF BIN WATER: 4,387 CY		AVG UNFILLED CAP: 4,387 CY					
		NO. OF CREW MEMBERS	DREDGE 13	OTHER PLANT 5	WORK SCHEDULE	SHIFTS PER DAY 2	DAYS PER WEEK 7				
LOCATION OF WORK		LOCATION CHANNEL Mobile Harbor	REACH DREDGED; STA TO STA Sta 255+00 to 280+00		DISPOSAL AREA USE Mobile 102 -SW		QTY DEPOSITED GROSS(CY) 5,270	CUMULATIVE AND QTY DEPOSIT FOR DA(CY) 305,660			
		AVG LENGTH OF CUT 6,000 FT		AVG WIDTH OF CUT 400 FT		AVG DIST TO DUMP 39 NM					
CHARACTER OF MATERIAL		DENSITY OF MATERIALS						GMS/LITER 1.045			
		DENSITY OF WATER			1.006			GMS/LITER@ 52 °F			
RIVER/TIDE STAGE		MIN 0	TIME 00:00	MAX 0	TIME 00:00	GAGE LOCATION USCG Brookley					
		MIN 1	TIME 00:00	MAX 0	TIME 00:00	GAGE DATUM MLLW					
WEATHER CONDITION		WEATHER Weather Caused No Delay		TEMP (min / max) 50 °F / 73 °F		VISIBILITY 10		WIND 21			
DRAFT					DISTRIBUTION OF TIME AND MILES RUN						
FORWARD		LIGHT		LOADED				AGITATING (MIN)	DREDGE & HAUL (MIN)	MILES RUN (NAUT MI)	
		8		15				EFFECTIVE WORKING TIME:			
AFT											
		10		16							
DRAG DEPTH MAX 49 MIN 44					PUMPING:		00:00	00:51	0.0		
INDICATORS LAST CHECKED ON 02/23/2016					TURNING:		00:00	00:00	0.0		
					TO DUMP:		00:00	08:45	0.0		
AVERAGE SPEED OF DREDGE DURING LOADING					CONNECTING:		00:00	00:00	0.0		
					DUMPING:		00:00	00:34	0.0		
AVERAGE SPEED OF DREDGE DURING AGITATING					DISCONNECTING:		00:00	00:00	0.0		
					TO CUT:		00:00	07:49	0.0		
GALLONS OF FUEL OIL CONSUMED					TOTALS:		00:00	17:59	0.0		
					NON-EFFECTIVE WORKING TIME:						
GALLONS OF WATER CONSUMED					TAKING ON FUEL AND SUPPLIES:		00:00	03:55	0.0		
					TO AND FROM WHARF OR ANCHORAGE:		00:00	02:06	0.0		
WORK PERFORMED					LOSS DUE TO NATURAL ELEMENTS:		00:00	00:00	0.0		
DREDGING AND HAULING				AGITATING		LOSS DUE TO TRAFFIC AND BRIDGES		00:00	00:00	0.0	
NO. OF LOADS	TOTAL CYS	DISPOSAL AREA		TOTAL CYS		MINOR OPERATING REPAIRS:		00:00	00:00	0.0	
3	5,270	Mobile 102-SW		0		TRANSFERRING BETWEEN WORKS:		00:00	00:00	0.0	
						LAY TIME:		00:00	00:00	0.0	
						FIRE AND BOAT DRILLS:		00:00	00:00	0.0	
ATTENDANT PLANT					MISCELLANEOUS:		00:00	00:00	0.0		
ITEM	NAME OR NUMBER		H.P.	HOURS	TOTALS:		00:00	06:01	0.0		
40' Crewboat	Cape Anne		400	12:00	LOST TIME:						
					MAJOR REPAIRS AND ALTERATIONS:		00:00	00:00	0.0		
					CESSATION:		00:00	00:00	0.0		
					COLLISIONS:		00:00	00:00	0.0		
					TOTALS:		00:00	00:00	0.0		
					TOTAL TIME/MILES:		00:00	24:00	0.0		

QUALITY CONTROL REPORT-HOPPER DREDGE			PAGE NO. Page 68 of 494
CONTRACT NO. W91278-16-D-0041 0001	CONTRACT TITLE IDIQ Rental Hopper Dredge in Mobile	CONTRACTOR Dutra Dredging Company	REPORT NO. 34
DREDGE	NAME AND TYPE M/V Columbia	DATE 06 Mar 2016 - Sunday	

LOADS					
LOAD NUMBER	DREDGING AREA DISPOSAL AREA	START TIME STOP TIME (HH:MM)	PUMPING TURNING (MIN)	TO DUMP DUMPING TO CUT (MIN)	TOTAL TIME DREDGED AMOUNT AGITATED AMOUNT (MIN/CYS)
1	Sta 255+00 to 280+00 Mobile 102-SW	00:00 00:01	1 0	200 30 0	231 2,635 0
2	Sta 255+00 to 280+00 Mobile 102-SW	03:51 04:15	24 0	221 4 255	504 2,635 0
3	Sta 255+00 to 280+00 Mobile 102-SW	18:16 18:42	26 0	104 0 214	344 0 0

QC NARRATIVE(S)

GENERAL COMMENTS
1079 minutes @ 100%
361 minutes @ 0%

QUALITY CONTROL REPORT-HOPPER DREDGE										PAGE NO. Page 69 of 494								
CONTRACT NO. W91278-16-D-0041 0001		CONTRACT TITLE IDIQ Rental Hopper Dredge in Mobile					CONTRACTOR Dutra Dredging Company			REPORT NO. 35								
CHARACTER OF REPORT		<input checked="" type="checkbox"/> MAINTENANCE <input type="checkbox"/> NEW WORK							DATE 07 Mar 2016 - Monday									
DREDGE (M/V Columbia)		HOPPER CAP: 4,387 CY		AVG VOL OF BIN WATER: 4,387 CY		AVG UNFILLED CAP: 4,387 CY												
		NO. OF CREW MEMBERS	DREDGE 13	OTHER PLANT 5	WORK SCHEDULE	SHIFTS PER DAY 2	DAYS PER WEEK 7											
LOCATION OF WORK		LOCATION CHANNEL Mobile Harbor		REACH DREDGED; STA TO STA Sta 255+00 to 280+00		DISPOSAL AREA USE Mobile 102 -SW		QTY DEPOSITED GROSS(CY) 7,905		CUMULATIVE AND QTY DEPOSIT FOR DA(CY) 313,565								
		AVG LENGTH OF CUT 6,000 FT		AVG WIDTH OF CUT 400 FT		AVG DIST TO DUMP 39 NM												
CHARACTER OF MATERIAL		DENSITY OF MATERIALS						GMS/LITER 1.045										
		DENSITY OF WATER			1.006			GMS/LITER@ 52 °F										
RIVER/TIDE STAGE		MIN 1	TIME 00:00	MAX 0	TIME 00:00	GAGE LOCATION USCG Brookley												
		MIN 0	TIME 00:00	MAX 0	TIME 00:00	GAGE DATUM MLLW												
WEATHER CONDITION		WEATHER			TEMP (min / max)		VISIBILITY		WIND									
		Weather Caused No Delay			51 °F / 69 °F		10		34									
DRAFT					DISTRIBUTION OF TIME AND MILES RUN													
FORWARD		LIGHT		LOADED				AGITATING (MIN)		DREDGE & HAUL (MIN)		MILES RUN (NAUT MI)						
		8		15		EFFECTIVE WORKING TIME:												
AFT		10		16		PUMPING:		00:00		01:19		0.0						
						TURNING:		00:00		00:00		0.0						
DRAG DEPTH MAX 49 MIN 44					TO DUMP:		00:00		11:06		0.0							
					CONNECTING:		00:00		00:00		0.0							
INDICATORS LAST CHECKED ON 02/23/2016					DUMPING:		00:00		00:12		0.0							
					DISCONNECTING:		00:00		00:00		0.0							
AVERAGE SPEED OF DREDGE DURING LOADING							FT/MIN		2		TO CUT:		00:00		11:23		0.0	
AVERAGE SPEED OF DREDGE DURING AGITATING							FT/MIN		0		TOTALS:		00:00		24:00		0.0	
GALLONS OF FUEL OIL CONSUMED							GAL		3,992		NON-EFFECTIVE WORKING TIME:							
GALLONS OF WATER CONSUMED							GAL		748		TAKING ON FUEL AND SUPPLIES:		00:00		00:00		0.0	
WORK PERFORMED											TO AND FROM WHARF OR ANCHORAGE:		00:00		00:00		0.0	
													LOSS DUE TO NATURAL ELEMENTS:		00:00		00:00	
DREDGING AND HAULING											LOSS DUE TO TRAFFIC AND BRIDGES		00:00		00:00		0.0	
NO. OF LOADS		TOTAL CYS		DISPOSAL AREA		TOTAL CYS				MINOR OPERATING REPAIRS:		00:00		00:00		0.0		
4		7,905		Mobile 102 -SW		0				TRANSFERRING BETWEEN WORKS:		00:00		00:00		0.0		
										LAY TIME:		00:00		00:00		0.0		
										FIRE AND BOAT DRILLS:		00:00		00:00		0.0		
ATTENDANT PLANT											MISCELLANEOUS:		00:00		00:00		0.0	
													TOTALS:		00:00		00:00	
ITEM		NAME OR NUMBER			H.P.		HOURS		LOST TIME:									
40' Crewboat		Cape Anne			400		12:00				MAJOR REPAIRS AND ALTERATIONS:		00:00		00:00		0.0	
											CESSATION:		00:00		00:00		0.0	
											COLLISIONS:		00:00		00:00		0.0	
											TOTALS:		00:00		00:00		0.0	
											TOTAL TIME/MILES:		00:00		24:00		0.0	

QUALITY CONTROL REPORT-HOPPER DREDGE					PAGE NO. Page 70 of 494	
CONTRACT NO. W91278-16-D-0041 0001		CONTRACT TITLE IDIQ Rental Hopper Dredge in Mobile		CONTRACTOR Dutra Dredging Company		REPORT NO. 35
DREDGE		NAME AND TYPE M/V Columbia			DATE 07 Mar 2016 - Monday	
LOADS						
LOAD NUMBER	DREDGING AREA DISPOSAL AREA	START TIME STOP TIME (HH:MM)	PUMPING TURNING (MIN)	TO DUMP DUMPING TO CUT (MIN)	TOTAL TIME DREDGED AMOUNT AGITATED AMOUNT (MIN/CYS)	
1	Sta 255+00 to 280+00 Mobile 102 -SW	00:00 00:01	1 0	104 4 0	109 2,635 0	
2	Sta 255+00 to 280+00 Mobile 102 -SW	01:49 02:21	32 0	216 4 233	485 2,635 0	
3	Sta 255+00 to 280+00 Mobile 102 -SW	09:54 10:20	26 0	226 4 220	476 2,635 0	
4	Sta 255+00 to 280+00 Mobile 102 -SW	17:50 18:10	20 0	120 0 230	370 0 0	
QC NARRATIVE(S) GENERAL COMMENTS 1440 minutes @ 100%						

QUALITY CONTROL REPORT-HOPPER DREDGE										PAGE NO. Page 71 of 494	
CONTRACT NO. W91278-16-D-0041 0001		CONTRACT TITLE IDIQ Rental Hopper Dredge in Mobile					CONTRACTOR Dutra Dredging Company			REPORT NO. 36	
CHARACTER OF REPORT		<input checked="" type="checkbox"/> MAINTENANCE <input type="checkbox"/> NEW WORK							DATE 08 Mar 2016 - Tuesday		
DREDGE (M/V Columbia)		HOPPER CAP: 4,387 CY		AVG VOL OF BIN WATER: 4,387 CY		AVG UNFILLED CAP: 4,387 CY					
		NO. OF CREW MEMBERS	DREDGE 13	OTHER PLANT 5	WORK SCHEDULE	SHIFTS PER DAY 2	DAYS PER WEEK 7				
LOCATION OF WORK		LOCATION CHANNEL Mobile Harbor	REACH DREDGED; STA TO STA Sta 255+00 to 280+00		DISPOSAL AREA USE Mobile 102 -SW		QTY DEPOSITED GROSS(CY) 7,905	CUMULATIVE AND QTY DEPOSIT FOR DA(CY) 321,470			
		AVG LENGTH OF CUT 6,000 FT		AVG WIDTH OF CUT 400 FT		AVG DIST TO DUMP 39 NM					
CHARACTER OF MATERIAL		DENSITY OF MATERIALS						GMS/LITER 1.045			
		DENSITY OF WATER			1.006			GMS/LITER@ 52 °F			
RIVER/TIDE STAGE		MIN 0	TIME 00:00	MAX 0	TIME 00:00	GAGE LOCATION USCG Brookley					
		MIN 0	TIME 00:00	MAX 0	TIME 00:00	GAGE DATUM MLLW					
WEATHER CONDITION		WEATHER		TEMP (min / max)		VISIBILITY		WIND			
		Weather Caused Critical Delay		59 °F / 71 °F		10		35			
DRAFT					DISTRIBUTION OF TIME AND MILES RUN						
FORWARD		LIGHT		LOADED				AGITATING (MIN)	DREDGE & HAUL (MIN)	MILES RUN (NAUT MI)	
		8		15				EFFECTIVE WORKING TIME:			
AFT											
		10		16							
DRAG DEPTH MAX 49 MIN 44					PUMPING:		00:00	00:49	0.0		
INDICATORS LAST CHECKED ON 02/23/2016					TURNING:		00:00	00:00	0.0		
					TO DUMP:		00:00	08:56	0.0		
AVERAGE SPEED OF DREDGE DURING LOADING					CONNECTING:		00:00	00:00	0.0		
					DUMPING:		00:00	00:12	0.0		
AVERAGE SPEED OF DREDGE DURING AGITATING					DISCONNECTING:		00:00	00:00	0.0		
					TO CUT:		00:00	11:08	0.0		
GALLONS OF FUEL OIL CONSUMED					TOTALS:		00:00	21:05	0.0		
					NON-EFFECTIVE WORKING TIME:						
GALLONS OF WATER CONSUMED					TAKING ON FUEL AND SUPPLIES:		00:00	00:00	0.0		
					TO AND FROM WHARF OR ANCHORAGE:		00:00	00:00	0.0		
WORK PERFORMED					LOSS DUE TO NATURAL ELEMENTS:		00:00	02:55	0.0		
DREDGING AND HAULING				AGITATING		LOSS DUE TO TRAFFIC AND BRIDGES		00:00	00:00	0.0	
NO. OF LOADS	TOTAL CYS	DISPOSAL AREA		TOTAL CYS		MINOR OPERATING REPAIRS:		00:00	00:00	0.0	
4	7,905	Mobile 102 -SW		0		TRANSFERRING BETWEEN WORKS:		00:00	00:00	0.0	
						LAY TIME:		00:00	00:00	0.0	
						FIRE AND BOAT DRILLS:		00:00	00:00	0.0	
ATTENDANT PLANT					MISCELLANEOUS:		00:00	00:00	0.0		
ITEM	NAME OR NUMBER		H.P.	HOURS	TOTALS:		00:00	02:55	0.0		
40' Crewboat	Cape Anne		400	12:00	LOST TIME:						
					MAJOR REPAIRS AND ALTERATIONS:		00:00	00:00	0.0		
					CESSATION:		00:00	00:00	0.0		
					COLLISIONS:		00:00	00:00	0.0		
					TOTALS:		00:00	00:00	0.0		
					TOTAL TIME/MILES:		00:00	24:00	0.0		

QUALITY CONTROL REPORT-HOPPER DREDGE					PAGE NO. Page 72 of 494	
CONTRACT NO. W91278-16-D-0041 0001		CONTRACT TITLE IDIQ Rental Hopper Dredge in Mobile		CONTRACTOR Dutra Dredging Company		REPORT NO. 36
DREDGE		NAME AND TYPE M/V Columbia			DATE 08 Mar 2016 - Tuesday	
LOADS						
LOAD NUMBER	DREDGING AREA DISPOSAL AREA	START TIME STOP TIME (HH:MM)	PUMPING TURNING (MIN)	TO DUMP DUMPING TO CUT (MIN)	TOTAL TIME DREDGED AMOUNT AGITATED AMOUNT (MIN/CYS)	
1	Sta 255+00 to 280+00 Mobile 102 -SW	00:00 00:01	1 0	94 4 0	99 2,635 0	
2	Sta 255+00 to 280+00 Mobile 102 -SW	01:39 02:04	25 0	216 4 247	492 2,635 0	
3	Sta 255+00 to 280+00 Mobile 102 -SW	09:51 10:13	22 0	226 4 236	488 2,635 0	
4	Sta 255+00 to 280+00 Mobile 102 -SW	17:59 18:00	1 0	0 0 185	186 0 0	
QC NARRATIVE(S) GENERAL COMMENTS 1265 minutes @ 100% 175 minutes @ 70% Weather						

QUALITY CONTROL REPORT-HOPPER DREDGE										PAGE NO. Page 73 of 494	
CONTRACT NO. W91278-16-D-0041 0001		CONTRACT TITLE IDIQ Rental Hopper Dredge in Mobile					CONTRACTOR Dutra Dredging Company			REPORT NO. 37	
CHARACTER OF REPORT		<input checked="" type="checkbox"/> MAINTENANCE <input type="checkbox"/> NEW WORK							DATE 09 Mar 2016 - Wednesday		
DREDGE (M/V Columbia)		HOPPER CAP: 4,387 CY		AVG VOL OF BIN WATER: 4,387 CY		AVG UNFILLED CAP: 4,387 CY					
		NO. OF CREW MEMBERS	DREDGE 13	OTHER PLANT 5	WORK SCHEDULE	SHIFTS PER DAY 2	DAYS PER WEEK 7				
LOCATION OF WORK		LOCATION CHANNEL Mobile Harbor	REACH DREDGED; STA TO STA Sta 255+00 to 280+00		DISPOSAL AREA USE Mobile 102 -SW		QTY DEPOSITED GROSS(CY) 0	CUMULATIVE AND QTY DEPOSIT FOR DA(CY) 321,470			
		AVG LENGTH OF CUT 6,000 FT		AVG WIDTH OF CUT 400 FT		AVG DIST TO DUMP 39 NM					
CHARACTER OF MATERIAL		DENSITY OF MATERIALS						GMS/LITER 1.045			
		DENSITY OF WATER			1.006			GMS/LITER@ 52 °F			
RIVER/TIDE STAGE		MIN 0	TIME 00:00	MAX 0	TIME 00:00	GAGE LOCATION USCG Brookley					
		MIN 0	TIME 00:00	MAX 0	TIME 00:00	GAGE DATUM MLLW					
WEATHER CONDITION		WEATHER		TEMP (min / max)		VISIBILITY		WIND			
		Weather Caused Critical Delay		63 °F / 73 °F		10		41			
DRAFT					DISTRIBUTION OF TIME AND MILES RUN						
FORWARD		LIGHT		LOADED				AGITATING (MIN)	DREDGE & HAUL (MIN)	MILES RUN (NAUT MI)	
		8		15				EFFECTIVE WORKING TIME:			
AFT											
		10		16							
DRAG DEPTH MAX 49 MIN 44					PUMPING:		00:00	00:00	0.0		
INDICATORS LAST CHECKED ON 02/23/2016					TURNING:		00:00	00:00	0.0		
					TO DUMP:		00:00	00:00	0.0		
AVERAGE SPEED OF DREDGE DURING LOADING					CONNECTING:		00:00	00:00	0.0		
					DUMPING:		00:00	00:00	0.0		
AVERAGE SPEED OF DREDGE DURING AGITATING					DISCONNECTING:		00:00	00:00	0.0		
					TO CUT:		00:00	00:00	0.0		
GALLONS OF FUEL OIL CONSUMED					TOTALS:		00:00	00:00	0.0		
					NON-EFFECTIVE WORKING TIME:						
GALLONS OF WATER CONSUMED					TAKING ON FUEL AND SUPPLIES:		00:00	00:00	0.0		
					TO AND FROM WHARF OR ANCHORAGE:		00:00	00:00	0.0		
WORK PERFORMED					LOSS DUE TO NATURAL ELEMENTS:		00:00	24:00	0.0		
DREDGING AND HAULING				AGITATING		LOSS DUE TO TRAFFIC AND BRIDGES		00:00	00:00	0.0	
NO. OF LOADS	TOTAL CYS	DISPOSAL AREA		TOTAL CYS		MINOR OPERATING REPAIRS:		00:00	00:00	0.0	
						TRANSFERRING BETWEEN WORKS:		00:00	00:00	0.0	
						LAY TIME:		00:00	00:00	0.0	
						FIRE AND BOAT DRILLS:		00:00	00:00	0.0	
ATTENDANT PLANT					MISCELLANEOUS:		00:00	00:00	0.0		
ITEM	NAME OR NUMBER		H.P.	HOURS	TOTALS:		00:00	24:00	0.0		
40' Crewboat	Cape Anne		400	12:00	LOST TIME:						
					MAJOR REPAIRS AND ALTERATIONS:		00:00	00:00	0.0		
					CESSATION:		00:00	00:00	0.0		
					COLLISIONS:		00:00	00:00	0.0		
					TOTALS:		00:00	00:00	0.0		
					TOTAL TIME/MILES:		00:00	24:00	0.0		

QUALITY CONTROL REPORT-HOPPER DREDGE			PAGE NO.
			Page 74 of 494
CONTRACT NO.	CONTRACT TITLE	CONTRACTOR	REPORT NO.
W91278-16-D-0041 0001	IDIQ Rental Hopper Dredge in Mobile	Dutra Dredging Company	37
DREDGE	NAME AND TYPE	DATE	
	M/V Columbia	09 Mar 2016 - Wednesday	

QC NARRATIVE(S)

GENERAL COMMENTS

1440 minutes @ 70% Weather

QUALITY CONTROL REPORT-HOPPER DREDGE										PAGE NO. Page 75 of 494	
CONTRACT NO. W91278-16-D-0041 0001		CONTRACT TITLE IDIQ Rental Hopper Dredge in Mobile					CONTRACTOR Dutra Dredging Company			REPORT NO. 38	
CHARACTER OF REPORT		<input checked="" type="checkbox"/> MAINTENANCE <input type="checkbox"/> NEW WORK							DATE 10 Mar 2016 - Thursday		
DREDGE (M/V Columbia)		HOPPER CAP: 4,387 CY		AVG VOL OF BIN WATER: 4,387 CY		AVG UNFILLED CAP: 4,387 CY					
		NO. OF CREW MEMBERS	DREDGE 13	OTHER PLANT 5	WORK SCHEDULE	SHIFTS PER DAY 2	DAYS PER WEEK 7				
LOCATION OF WORK		LOCATION CHANNEL Mobile Harbor	REACH DREDGED; STA TO STA Sta 255+00 to 280+00		DISPOSAL AREA USE Mobile 102 -SW		QTY DEPOSITED GROSS(CY) 0	CUMULATIVE AND QTY DEPOSIT FOR DA(CY) 321,470			
		AVG LENGTH OF CUT 6,000 FT		AVG WIDTH OF CUT 400 FT		AVG DIST TO DUMP 39 NM					
CHARACTER OF MATERIAL		DENSITY OF MATERIALS					GMS/LITER 1.045				
		DENSITY OF WATER			1.006		GMS/LITER@ 52 °F				
RIVER/TIDE STAGE		MIN 0	TIME 09:46	MAX 1	TIME 03:11	GAGE LOCATION USCG Brookley					
		MIN 0	TIME 21:02	MAX 0	TIME 15:03	GAGE DATUM MLLW					
WEATHER CONDITION		WEATHER		TEMP (min / max)		VISIBILITY		WIND			
		Weather Caused Critical Delay		68 °F / 75 °F		10		25			
DRAFT					DISTRIBUTION OF TIME AND MILES RUN						
FORWARD	LIGHT		LOADED			AGITATING (MIN)	DREDGE & HAUL (MIN)	MILES RUN (NAUT MI)			
	8		15		EFFECTIVE WORKING TIME:						
AFT	10		16		PUMPING:	00:00	00:00	0.0			
					TURNING:	00:00	00:00	0.0			
DRAG DEPTH MAX 49 MIN 44						TO DUMP:	00:00	00:00	0.0		
						CONNECTING:	00:00	00:00	0.0		
INDICATORS LAST CHECKED ON 02/23/2016						DUMPING:	00:00	00:00	0.0		
						DISCONNECTING:	00:00	00:00	0.0		
AVERAGE SPEED OF DREDGE DURING LOADING				FT/MIN	2	TO CUT:	00:00	00:00	0.0		
AVERAGE SPEED OF DREDGE DURING AGITATING				FT/MIN	0	TOTALS:	00:00	00:00	0.0		
GALLONS OF FUEL OIL CONSUMED				GAL	249	NON-EFFECTIVE WORKING TIME:					
GALLONS OF WATER CONSUMED				GAL	278	TAKING ON FUEL AND SUPPLIES:	00:00	00:00	0.0		
WORK PERFORMED					TO AND FROM WHARF OR ANCHORAGE:		00:00	00:00	0.0		
					LOSS DUE TO NATURAL ELEMENTS:		00:00	24:00	0.0		
DREDGING AND HAULING			AGITATING		LOSS DUE TO TRAFFIC AND BRIDGES		00:00	00:00	0.0		
NO. OF LOADS	TOTAL CYS	DISPOSAL AREA	TOTAL CYS		MINOR OPERATING REPAIRS:		00:00	00:00	0.0		
					TRANSFERRING BETWEEN WORKS:		00:00	00:00	0.0		
					LAY TIME:		00:00	00:00	0.0		
					FIRE AND BOAT DRILLS:		00:00	00:00	0.0		
ATTENDANT PLANT					MISCELLANEOUS:		00:00	00:00	0.0		
					TOTALS:		00:00	24:00	0.0		
ITEM					NAME OR NUMBER		H.P.	HOURS	LOST TIME:		
40' Crewboat					Cape Anne		400	12:00	MAJOR REPAIRS AND ALTERATIONS:		
									00:00 00:00 0.0		
									CESSATION:		
									00:00 00:00 0.0		
									COLLISIONS:		
									00:00 00:00 0.0		
									TOTALS:		
									00:00 00:00 0.0		
									TOTAL TIME/MILES:		
									00:00 24:00 0.0		

QUALITY CONTROL REPORT-HOPPER DREDGE			PAGE NO.
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CONTRACT NO.	CONTRACT TITLE	CONTRACTOR	REPORT NO.
W91278-16-D-0041 0001	IDIQ Rental Hopper Dredge in Mobile	Dutra Dredging Company	38
DREDGE	NAME AND TYPE	DATE	
	M/V Columbia	10 Mar 2016 - Thursday	

QC NARRATIVE(S)

GENERAL COMMENTS

1440 minutes @ 70% Weather. SE winds @ 25 offshore w gusts of up to 40

QUALITY CONTROL REPORT-HOPPER DREDGE										PAGE NO. Page 77 of 494	
CONTRACT NO. W91278-16-D-0041 0001		CONTRACT TITLE IDIQ Rental Hopper Dredge in Mobile					CONTRACTOR Dutra Dredging Company			REPORT NO. 39	
CHARACTER OF REPORT		<input checked="" type="checkbox"/> MAINTENANCE <input type="checkbox"/> NEW WORK							DATE 11 Mar 2016 - Friday		
DREDGE (M/V Columbia)		HOPPER CAP: 4,387 CY		AVG VOL OF BIN WATER: 4,387 CY		AVG UNFILLED CAP: 4,387 CY					
		NO. OF CREW MEMBERS	DREDGE 13	OTHER PLANT 5	WORK SCHEDULE	SHIFTS PER DAY 2	DAYS PER WEEK 7				
LOCATION OF WORK		LOCATION CHANNEL Mobile Harbor	REACH DREDGED; STA TO STA Sta 255+00 to 280+00		DISPOSAL AREA USE Mobile 102 -SW		QTY DEPOSITED GROSS(CY) 0	CUMULATIVE AND QTY DEPOSIT FOR DA(CY) 321,470			
		AVG LENGTH OF CUT 6,000 FT		AVG WIDTH OF CUT 400 FT		AVG DIST TO DUMP 39 NM					
CHARACTER OF MATERIAL		DENSITY OF MATERIALS					GMS/LITER 1.045				
		DENSITY OF WATER			1.006		GMS/LITER@ 52 °F				
RIVER/TIDE STAGE		MIN 0	TIME 08:54	MAX 0	TIME 04:26	GAGE LOCATION USCG Brookley					
		MIN 0	TIME 22:17	MAX 0	TIME 14:41	GAGE DATUM MLLW					
WEATHER CONDITION		WEATHER		TEMP (min / max)		VISIBILITY		WIND			
		Weather Caused Critical Delay		64 °F / 68 °F		5		25			
DRAFT					DISTRIBUTION OF TIME AND MILES RUN						
FORWARD	LIGHT		LOADED				AGITATING (MIN)	DREDGE & HAUL (MIN)	MILES RUN (NAUT MI)		
	8		15								
AFT					EFFECTIVE WORKING TIME:						
	10		16		PUMPING:		00:00	00:00	0.0		
DRAG DEPTH MAX 49 MIN 44					TURNING:		00:00	00:00	0.0		
					TO DUMP:		00:00	00:00	0.0		
INDICATORS LAST CHECKED ON 02/23/2016					CONNECTING:		00:00	00:00	0.0		
					DUMPING:		00:00	00:00	0.0		
AVERAGE SPEED OF DREDGE DURING LOADING					FT/MIN	DISCONNECTING:		00:00	00:00	0.0	
					2	TO CUT:		00:00	00:00	0.0	
AVERAGE SPEED OF DREDGE DURING AGITATING					FT/MIN	TOTALS:		00:00	00:00	0.0	
					0						
GALLONS OF FUEL OIL CONSUMED					GAL	NON-EFFECTIVE WORKING TIME:					
					200	TAKING ON FUEL AND SUPPLIES:		00:00	00:00	0.0	
GALLONS OF WATER CONSUMED					GAL	TO AND FROM WHARF OR ANCHORAGE:		00:00	00:00	0.0	
					485	LOSS DUE TO NATURAL ELEMENTS:		00:00	24:00	0.0	
WORK PERFORMED					LOSS DUE TO TRAFFIC AND BRIDGES						
DREDGING AND HAULING			AGITATING		MINOR OPERATING REPAIRS:						
NO. OF LOADS	TOTAL CYS	DISPOSAL AREA	TOTAL CYS		TRANSFERRING BETWEEN WORKS:						
					LAY TIME:						
					FIRE AND BOAT DRILLS:						
					MISCELLANEOUS:						
ATTENDANT PLANT					TOTALS:						
					00:00 24:00 0.0						
ITEM	NAME OR NUMBER		H.P.	HOURS	LOST TIME:						
40' Crewboat	Cape Anne		400	12:00	MAJOR REPAIRS AND ALTERATIONS:						
					CESSATION:						
					COLLISIONS:						
					TOTALS:						
					00:00 24:00 0.0						
					TOTAL TIME/MILES:						
					00:00 24:00 0.0						

QUALITY CONTROL REPORT-HOPPER DREDGE			PAGE NO.
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CONTRACT NO.	CONTRACT TITLE	CONTRACTOR	REPORT NO.
W91278-16-D-0041 0001	IDIQ Rental Hopper Dredge in Mobile	Dutra Dredging Company	39
DREDGE	NAME AND TYPE	DATE	
	M/V Columbia	11 Mar 2016 - Friday	

QC NARRATIVE(S)

GENERAL COMMENTS

1440 minutes @ 70% Weather. SE winds @ 25 offshore w gusts of up to 40

QUALITY CONTROL REPORT-HOPPER DREDGE										PAGE NO. Page 79 of 494	
CONTRACT NO. W91278-16-D-0041 0001		CONTRACT TITLE IDIQ Rental Hopper Dredge in Mobile					CONTRACTOR Dutra Dredging Company			REPORT NO. 40	
CHARACTER OF REPORT		<input checked="" type="checkbox"/> MAINTENANCE <input type="checkbox"/> NEW WORK							DATE 12 Mar 2016 - Saturday		
DREDGE (M/V Columbia)		HOPPER CAP: 4,387 CY		AVG VOL OF BIN WATER: 4,387 CY		AVG UNFILLED CAP: 4,387 CY					
		NO. OF CREW MEMBERS	DREDGE 13	OTHER PLANT 5	WORK SCHEDULE	SHIFTS PER DAY 2	DAYS PER WEEK 7				
LOCATION OF WORK		LOCATION CHANNEL Mobile Harbor	REACH DREDGED; STA TO STA Sta 255+00 to 280+00		DISPOSAL AREA USE Mobile 102 -SW		QTY DEPOSITED GROSS(CY) 5,270	CUMULATIVE AND QTY DEPOSIT FOR DA(CY) 326,740			
		AVG LENGTH OF CUT 6,000 FT		AVG WIDTH OF CUT 400 FT		AVG DIST TO DUMP 39 NM					
CHARACTER OF MATERIAL		DENSITY OF MATERIALS						GMS/LITER 1.045			
		DENSITY OF WATER			1.006			GMS/LITER@ 52 °F			
RIVER/TIDE STAGE		MIN 0	TIME 00:00	MAX 1	TIME 14:45	GAGE LOCATION USCG Brookley					
		MIN 0	TIME 23:39	MAX 0	TIME 00:00	GAGE DATUM MLLW					
WEATHER CONDITION		WEATHER		TEMP (min / max)		VISIBILITY		WIND			
		Weather Caused Critical Delay		62 °F / 71 °F		5		20			
DRAFT					DISTRIBUTION OF TIME AND MILES RUN						
FORWARD		LIGHT		LOADED				AGITATING (MIN)	DREDGE & HAUL (MIN)	MILES RUN (NAUT MI)	
		8		15							
AFT						EFFECTIVE WORKING TIME:					
		10		16							
DRAG DEPTH MAX 49 MIN 44					PUMPING:		00:00	00:52	0.0		
INDICATORS LAST CHECKED ON 02/23/2016					TURNING:		00:00	00:11	0.0		
					TO DUMP:		00:00	06:55	0.0		
AVERAGE SPEED OF DREDGE DURING LOADING					CONNECTING:		00:00	00:00	0.0		
					DUMPING:		00:00	00:04	0.0		
AVERAGE SPEED OF DREDGE DURING AGITATING					DISCONNECTING:		00:00	00:00	0.0		
					TO CUT:		00:00	05:23	0.0		
GALLONS OF FUEL OIL CONSUMED					TOTALS:		00:00	13:25	0.0		
					NON-EFFECTIVE WORKING TIME:						
GALLONS OF WATER CONSUMED					TAKING ON FUEL AND SUPPLIES:		00:00	00:00	0.0		
					TO AND FROM WHARF OR ANCHORAGE:		00:00	00:00	0.0		
WORK PERFORMED					LOSS DUE TO NATURAL ELEMENTS:		00:00	10:35	0.0		
DREDGING AND HAULING				AGITATING		LOSS DUE TO TRAFFIC AND BRIDGES		00:00	00:00	0.0	
NO. OF LOADS	TOTAL CYS	DISPOSAL AREA		TOTAL CYS		MINOR OPERATING REPAIRS:		00:00	00:00	0.0	
2	5,270	ODMDS		0		TRANSFERRING BETWEEN WORKS:		00:00	00:00	0.0	
						LAY TIME:		00:00	00:00	0.0	
						FIRE AND BOAT DRILLS:		00:00	00:00	0.0	
ATTENDANT PLANT					MISCELLANEOUS:		00:00	00:00	0.0		
ITEM	NAME OR NUMBER		H.P.	HOURS	TOTALS:		00:00	10:35	0.0		
40' Crewboat	Cape Anne		400	12:00	LOST TIME:						
					MAJOR REPAIRS AND ALTERATIONS:		00:00	00:00	0.0		
					CESSATION:		00:00	00:00	0.0		
					COLLISIONS:		00:00	00:00	0.0		
					TOTALS:		00:00	00:00	0.0		
					TOTAL TIME/MILES:		00:00	24:00	0.0		

QUALITY CONTROL REPORT-HOPPER DREDGE			PAGE NO. Page 80 of 494
CONTRACT NO. W91278-16-D-0041 0001	CONTRACT TITLE IDIQ Rental Hopper Dredge in Mobile	CONTRACTOR Dutra Dredging Company	REPORT NO. 40
DREDGE	NAME AND TYPE M/V Columbia		DATE 12 Mar 2016 - Saturday

LOADS					
LOAD NUMBER	DREDGING AREA DISPOSAL AREA	START TIME STOP TIME (HH:MM)	PUMPING TURNING (MIN)	TO DUMP DUMPING TO CUT (MIN)	TOTAL TIME DREDGED AMOUNT AGITATED AMOUNT (MIN/CYS)
1	Sta 255+00 to 280+00 ODMDS	10:35	26	212	330
		11:12	11	4	2,635
				77	0
2	Sta 255+00 to 280+00 ODMDS	16:05	26	203	475
		16:31	0	0	2,635
				246	0

QC NARRATIVE(S)

GENERAL COMMENTS

635 minutes @ 70% Weather. Decreasing winds and improving sea state off shore. Resumed dredging operations.

QUALITY CONTROL REPORT-HOPPER DREDGE										PAGE NO. Page 81 of 494	
CONTRACT NO. W91278-16-D-0041 0001		CONTRACT TITLE IDIQ Rental Hopper Dredge in Mobile					CONTRACTOR Dutra Dredging Company			REPORT NO. 41	
CHARACTER OF REPORT		<input checked="" type="checkbox"/> MAINTENANCE <input type="checkbox"/> NEW WORK							DATE 13 Mar 2016 - Sunday		
DREDGE (M/V Columbia)		HOPPER CAP: 4,387 CY		AVG VOL OF BIN WATER: 4,387 CY		AVG UNFILLED CAP: 4,387 CY					
		NO. OF CREW MEMBERS	DREDGE 13	OTHER PLANT 5	WORK SCHEDULE	SHIFTS PER DAY 2	DAYS PER WEEK 7				
LOCATION OF WORK		LOCATION CHANNEL Mobile Harbor	REACH DREDGED; STA TO STA Sta 255+00 to 280+00		DISPOSAL AREA USE Mobile 102 -SW		QTY DEPOSITED GROSS(CY) 10,540	CUMULATIVE AND QTY DEPOSIT FOR DA(CY) 337,280			
		AVG LENGTH OF CUT 6,000 FT		AVG WIDTH OF CUT 400 FT		AVG DIST TO DUMP 39 NM					
CHARACTER OF MATERIAL		DENSITY OF MATERIALS					GMS/LITER 1.045				
		DENSITY OF WATER			1.006		GMS/LITER@ 52 °F				
RIVER/TIDE STAGE		MIN 0	TIME 00:00	MAX 1	TIME 16:16	GAGE LOCATION USCG Brookley					
		MIN 0	TIME 00:00	MAX 0	TIME 00:00	GAGE DATUM MLLW					
WEATHER CONDITION		WEATHER Weather Caused No Delay		TEMP (min / max) 62 °F / 81 °F		VISIBILITY 10		WIND 10			
DRAFT					DISTRIBUTION OF TIME AND MILES RUN						
FORWARD	LIGHT		LOADED			AGITATING (MIN)	DREDGE & HAUL (MIN)	MILES RUN (NAUT MI)			
	8		15		EFFECTIVE WORKING TIME:						
AFT	10		16		PUMPING:	00:00	01:22	0.0			
					TURNING:	00:00	00:10	0.0			
DRAG DEPTH MAX 49 MIN 44					TO DUMP:	00:00	09:45	0.0			
					CONNECTING:	00:00	00:00	0.0			
INDICATORS LAST CHECKED ON 02/23/2016					DUMPING:	00:00	00:13	0.0			
					DISCONNECTING:	00:00	00:00	0.0			
AVERAGE SPEED OF DREDGE DURING LOADING				FT/MIN	2	TO CUT:	00:00	12:30	0.0		
AVERAGE SPEED OF DREDGE DURING AGITATING				FT/MIN	0	TOTALS:	00:00	24:00	0.0		
GALLONS OF FUEL OIL CONSUMED				GAL	2,047	NON-EFFECTIVE WORKING TIME:					
GALLONS OF WATER CONSUMED				GAL	560	TAKING ON FUEL AND SUPPLIES:	00:00	00:00	0.0		
WORK PERFORMED					TO AND FROM WHARF OR ANCHORAGE:	00:00	00:00	0.0			
DREDGING AND HAULING				AGITATING	LOSS DUE TO NATURAL ELEMENTS:	00:00	00:00	0.0			
NO. OF LOADS	TOTAL CYS	DISPOSAL AREA		TOTAL CYS	LOSS DUE TO TRAFFIC AND BRIDGES	00:00	00:00	0.0			
4	10,540	ODMDS		0	MINOR OPERATING REPAIRS:	00:00	00:00	0.0			
					TRANSFERRING BETWEEN WORKS:	00:00	00:00	0.0			
					LAY TIME:	00:00	00:00	0.0			
					FIRE AND BOAT DRILLS:	00:00	00:00	0.0			
ATTENDANT PLANT					MISCELLANEOUS:	00:00	00:00	0.0			
ITEM	NAME OR NUMBER		H.P.	HOURS	TOTALS:	00:00	00:00	0.0			
40' Crewboat	Cape Anne		400	12:00	LOST TIME:						
					MAJOR REPAIRS AND ALTERATIONS:	00:00	00:00	0.0			
					CESSATION:	00:00	00:00	0.0			
					COLLISIONS:	00:00	00:00	0.0			
					TOTALS:	00:00	00:00	0.0			
					TOTAL TIME/MILES:	00:00	24:00	0.0			

QUALITY CONTROL REPORT-HOPPER DREDGE			PAGE NO. Page 82 of 494
CONTRACT NO. W91278-16-D-0041 0001	CONTRACT TITLE IDIQ Rental Hopper Dredge in Mobile	CONTRACTOR Dutra Dredging Company	REPORT NO. 41
DREDGE	NAME AND TYPE M/V Columbia	DATE 13 Mar 2016 - Sunday	

LOADS					
LOAD NUMBER	DREDGING AREA DISPOSAL AREA	START TIME STOP TIME (HH:MM)	PUMPING TURNING (MIN)	TO DUMP DUMPING TO CUT (MIN)	TOTAL TIME DREDGED AMOUNT AGITATED AMOUNT (MIN/CYS)
1	Sta 255+00 to 280+00 ODMDS	00:00 00:01	1 0	10 4 0	15 2,635 0
2	Sta 255+00 to 280+00 ODMDS	00:15 00:56	31 10	223 5 296	565 2,635 0
3	Sta 255+00 to 280+00 ODMDS	09:40 10:05	25 0	219 4 219	467 2,635 0
4	Sta 255+00 to 280+00 ODMDS	17:27 17:52	25 0	133 0 235	393 2,635 0

QC NARRATIVE(S)

GENERAL COMMENTS

1440 minutes @ 100%. Nice weather conditions.

QUALITY CONTROL REPORT-HOPPER DREDGE										PAGE NO. Page 83 of 494	
CONTRACT NO. W91278-16-D-0041 0001		CONTRACT TITLE IDIQ Rental Hopper Dredge in Mobile					CONTRACTOR Dutra Dredging Company			REPORT NO. 42	
CHARACTER OF REPORT		<input checked="" type="checkbox"/> MAINTENANCE <input type="checkbox"/> NEW WORK							DATE 14 Mar 2016 - Monday		
DREDGE (M/V Columbia)		HOPPER CAP: 4,387 CY		AVG VOL OF BIN WATER: 4,387 CY		AVG UNFILLED CAP: 4,387 CY					
		NO. OF CREW MEMBERS	DREDGE 13	OTHER PLANT 5	WORK SCHEDULE	SHIFTS PER DAY 2	DAYS PER WEEK 7				
LOCATION OF WORK		LOCATION CHANNEL Mobile Harbor	REACH DREDGED; STA TO STA Sta 255+00 to 280+00		DISPOSAL AREA USE Mobile 102 -SW		QTY DEPOSITED GROSS(CY) 10,540	CUMULATIVE AND QTY DEPOSIT FOR DA(CY) 347,820			
		AVG LENGTH OF CUT 6,000 FT		AVG WIDTH OF CUT 400 FT		AVG DIST TO DUMP 39 NM					
CHARACTER OF MATERIAL		DENSITY OF MATERIALS					GMS/LITER 1.045				
		DENSITY OF WATER			1.006		GMS/LITER@ 52 °F				
RIVER/TIDE STAGE		MIN 0	TIME 01:56	MAX 1	TIME 16:52	GAGE LOCATION USCG Brookley					
		MIN 0	TIME 00:00	MAX 0	TIME 00:00	GAGE DATUM MLLW					
WEATHER CONDITION		WEATHER Weather Caused No Delay		TEMP (min / max) 66 °F / 82 °F		VISIBILITY 10		WIND 10			
DRAFT					DISTRIBUTION OF TIME AND MILES RUN						
FORWARD	LIGHT		LOADED			AGITATING (MIN)	DREDGE & HAUL (MIN)	MILES RUN (NAUT MI)			
	8		15		EFFECTIVE WORKING TIME:						
AFT	10		16		PUMPING:	00:00	01:15	0.0			
DRAG DEPTH MAX 49 MIN 44					TURNING:	00:00	00:27	0.0			
					TO DUMP:	00:00	10:18	0.0			
INDICATORS LAST CHECKED ON 02/23/2016					CONNECTING:	00:00	00:00	0.0			
					DUMPING:	00:00	00:12	0.0			
AVERAGE SPEED OF DREDGE DURING LOADING				FT/MIN 2	DISCONNECTING:	00:00	00:00	0.0			
AVERAGE SPEED OF DREDGE DURING AGITATING				FT/MIN 0	TO CUT:	00:00	11:01	0.0			
GALLONS OF FUEL OIL CONSUMED				GAL 2,089	TOTALS:	00:00	23:13	0.0			
GALLONS OF WATER CONSUMED				GAL 448	NON-EFFECTIVE WORKING TIME:						
WORK PERFORMED					TAKING ON FUEL AND SUPPLIES:	00:00	00:00	0.0			
DREDGING AND HAULING				AGITATING	TO AND FROM WHARF OR ANCHORAGE:	00:00	00:00	0.0			
NO. OF LOADS	TOTAL CYS	DISPOSAL AREA	TOTAL CYS		LOSS DUE TO NATURAL ELEMENTS:	00:00	00:00	0.0			
4	10,540	ODMDS	0		LOSS DUE TO TRAFFIC AND BRIDGES	00:00	00:00	0.0			
					MINOR OPERATING REPAIRS:	00:00	00:00	0.0			
					TRANSFERRING BETWEEN WORKS:	00:00	00:00	0.0			
					LAY TIME:	00:00	00:00	0.0			
ATTENDANT PLANT					FIRE AND BOAT DRILLS:	00:00	00:47	0.0			
ITEM	NAME OR NUMBER		H.P.	HOURS	MISCELLANEOUS:	00:00	00:00	0.0			
40' Crewboat	Cape Anne		400	12:00	TOTALS:	00:00	00:47	0.0			
					LOST TIME:						
					MAJOR REPAIRS AND ALTERATIONS:	00:00	00:00	0.0			
					CESSATION:	00:00	00:00	0.0			
					COLLISIONS:	00:00	00:00	0.0			
					TOTALS:	00:00	00:00	0.0			
					TOTAL TIME/MILES:	00:00	24:00	0.0			

QUALITY CONTROL REPORT-HOPPER DREDGE			PAGE NO. Page 84 of 494
CONTRACT NO. W91278-16-D-0041 0001	CONTRACT TITLE IDIQ Rental Hopper Dredge in Mobile	CONTRACTOR Dutra Dredging Company	REPORT NO. 42
DREDGE	NAME AND TYPE M/V Columbia	DATE 14 Mar 2016 - Monday	

LOADS					
LOAD NUMBER	DREDGING AREA DISPOSAL AREA	START TIME STOP TIME (HH:MM)	PUMPING TURNING (MIN)	TO DUMP DUMPING TO CUT (MIN)	TOTAL TIME DREDGED AMOUNT AGITATED AMOUNT (MIN/CYS)
1	Sta 255+00 to 280+00 ODMDS	00:00 00:01	1 0	75 4 0	80 2,635 0
2	Sta 255+00 to 280+00 ODMDS	01:20 02:05	25 20	212 4 214	475 2,635 0
3	Sta 255+00 to 280+00 ODMDS	09:15 09:47	25 7	222 4 211	469 2,635 0
4	Sta 255+00 to 280+00 ODMDS	17:04 17:28	24 0	109 0 236	369 2,635 0

QC NARRATIVE(S)

GENERAL COMMENTS

1393 minutes @ 100%. Nice weather conditions.
47 minutes @ 0% time. Lost Dredge Pump Prime

QUALITY CONTROL REPORT-HOPPER DREDGE								PAGE NO.
								Page 85 of 494
CONTRACT NO. W91278-16-D-0041 0001		CONTRACT TITLE IDIQ Rental Hopper Dredge in Mobile				CONTRACTOR Dutra Dredging Company		REPORT NO. 43
CHARACTER OF REPORT		<input checked="" type="checkbox"/> MAINTENANCE <input type="checkbox"/> NEW WORK					DATE 15 Mar 2016 - Tuesday	
DREDGE (M/V Columbia)		HOPPER CAP: 4,387 CY		AVG VOL OF BIN WATER: 4,387 CY		AVG UNFILLED CAP: 4,387 CY		
		NO. OF CREW MEMBERS 13	DREDGE 13	OTHER PLANT 5	WORK SCHEDULE 	SHIFTS PER DAY 2	DAYS PER WEEK 7	
LOCATION OF WORK		LOCATION CHANNEL Mobile Harbor		REACH DREDGED; STA TO STA Sta 255+00 to 280+00, Stat 1120+00 to 1180+00		DISPOSAL AREA USE Mobile 102 -SW		
		AVG LENGTH OF CUT 6,000 FT		AVG WIDTH OF CUT 400 FT		AVG DIST TO DUMP 39 NM		
CHARACTER OF MATERIAL		DENSITY OF MATERIALS				GMS/LITER 1.045		
		DENSITY OF WATER		1.006		GMS/LITER@ 52 °F		
RIVER/TIDE STAGE		MIN 0	TIME 03:04	MAX 1	TIME 17:32	GAGE LOCATION USCG Brookley		
		MIN 0	TIME 00:00	MAX 0	TIME 00:00	GAGE DATUM MLLW		
WEATHER CONDITION		WEATHER Weather Caused No Delay		TEMP (min / max) 64 °F / 80 °F		VISIBILITY 10	WIND 10	
DRAFT				DISTRIBUTION OF TIME AND MILES RUN				
FORWARD		LIGHT	LOADED			AGITATING (MIN)	DREDGE & HAUL (MIN)	MILES RUN (NAUT MI)
		8	15	EFFECTIVE WORKING TIME:				
AFT		10	16	PUMPING:		00:00	01:25	0.0
				TURNING:		00:00	00:07	0.0
DRAG DEPTH MAX 49 MIN 44				TO DUMP:		00:00	10:52	0.0
INDICATORS LAST CHECKED ON 02/23/2016				CONNECTING:		00:00	00:00	0.0
AVERAGE SPEED OF DREDGE DURING LOADING			FT/MIN 2	DUMPING:		00:00	00:16	0.0
AVERAGE SPEED OF DREDGE DURING AGITATING			FT/MIN 0	DISCONNECTING:		00:00	00:00	0.0
GALLONS OF FUEL OIL CONSUMED			GAL 3,655	TO CUT:		00:00	11:20	0.0
GALLONS OF WATER CONSUMED			GAL 560	TOTALS:		00:00	24:00	0.0
WORK PERFORMED				NON-EFFECTIVE WORKING TIME:				
DREDGING AND HAULING		AGITATING		TAKING ON FUEL AND SUPPLIES:		00:00	00:00	0.0
NO. OF LOADS	TOTAL CYS	DISPOSAL AREA	TOTAL CYS	TO AND FROM WHARF OR ANCHORAGE:		00:00	00:00	0.0
5	13,175	ODMDS	0	LOSS DUE TO NATURAL ELEMENTS:		00:00	00:00	0.0
				LOSS DUE TO TRAFFIC AND BRIDGES		00:00	00:00	0.0
				MINOR OPERATING REPAIRS:		00:00	00:00	0.0
				TRANSFERRING BETWEEN WORKS:		00:00	00:00	0.0
				LAY TIME:		00:00	00:00	0.0
				FIRE AND BOAT DRILLS:		00:00	00:00	0.0
ATTENDANT PLANT				MISCELLANEOUS:		00:00	00:00	0.0
ITEM	NAME OR NUMBER	H.P.	HOURS	TOTALS:		00:00	00:00	0.0
40' Crewboat	Cape Anne	400	12:00	LOST TIME:				
				MAJOR REPAIRS AND ALTERATIONS:		00:00	00:00	0.0
				CESSATION:		00:00	00:00	0.0
				COLLISIONS:		00:00	00:00	0.0
				TOTALS:		00:00	00:00	0.0
				TOTAL TIME/MILES:		00:00	24:00	0.0

QUALITY CONTROL REPORT-HOPPER DREDGE					PAGE NO. Page 86 of 494	
CONTRACT NO. W91278-16-D-0041 0001		CONTRACT TITLE IDIQ Rental Hopper Dredge in Mobile		CONTRACTOR Dutra Dredging Company		REPORT NO. 43
DREDGE		NAME AND TYPE M/V Columbia			DATE 15 Mar 2016 - Tuesday	
LOADS						
LOAD NUMBER	DREDGING AREA DISPOSAL AREA	START TIME STOP TIME (HH:MM)	PUMPING TURNING (MIN)	TO DUMP DUMPING TO CUT (MIN)	TOTAL TIME DREDGED AMOUNT AGITATED AMOUNT (MIN/CYS)	
1	Sta 255+00 to 280+00 ODMDS	00:00 00:01	1 0	99 4 0	104 2,635 0	
2	Sta 255+00 to 280+00 ODMDS	01:44 02:14	30 0	216 4 218	468 2,635 0	
3	Sta 255+00 to 280+00 ODMDS	09:32 10:03	24 7	211 4 310	556 2,635 0	
4	Sta 1120+00 to 1180+00 ODMDS	18:48 19:17	29 0	126 4 125	284 2,635 0	
5	Sta 1120+00 to 1180+00 ODMDS	23:32 23:33	1 0	0 0 27	28 2,635 0	
<div>QC NARRATIVE(S)</div> <div>GENERAL COMMENTS</div> <div>1440 minutes @ 100%. Nice weather conditions.</div> <div>Change dredge cuts from sta 255+00 to 280+00 to middle bay sta 1120+00 to 1180+00.</div>						

QUALITY CONTROL REPORT-HOPPER DREDGE										PAGE NO. Page 87 of 494	
CONTRACT NO. W91278-16-D-0041 0001		CONTRACT TITLE IDIQ Rental Hopper Dredge in Mobile					CONTRACTOR Dutra Dredging Company			REPORT NO. 44	
CHARACTER OF REPORT		<input checked="" type="checkbox"/> MAINTENANCE <input type="checkbox"/> NEW WORK							DATE 16 Mar 2016 - Wednesday		
DREDGE (M/V Columbia)		HOPPER CAP: 4,387 CY		AVG VOL OF BIN WATER: 4,387 CY			AVG UNFILLED CAP: 4,387 CY				
		NO. OF CREW MEMBERS	DREDGE 13	OTHER PLANT 5	WORK SCHEDULE	SHIFTS PER DAY 2	DAYS PER WEEK 7				
LOCATION OF WORK		LOCATION CHANNEL Mobile Harbor		REACH DREDGED; STA TO STA Sta 1120+00 to 1180+00		DISPOSAL AREA USE Mobile 102 -SW		QTY DEPOSITED GROSS(CY) 15,810	CUMULATIVE AND QTY DEPOSIT FOR DA(CY) 376,805		
		AVG LENGTH OF CUT 6,000 FT			AVG WIDTH OF CUT 400 FT		AVG DIST TO DUMP 39 NM				
CHARACTER OF MATERIAL		DENSITY OF MATERIALS						GMS/LITER 1.045			
		DENSITY OF WATER			1.006			GMS/LITER@ 52 °F			
RIVER/TIDE STAGE		MIN 0	TIME 04:46	MAX 1	TIME 18:17	GAGE LOCATION USCG Brookley					
		MIN 0	TIME 00:00	MAX 0	TIME 00:00	GAGE DATUM MLLW					
WEATHER CONDITION		WEATHER Weather Caused No Delay			TEMP (min / max) 66 °F / 79 °F		VISIBILITY 10		WIND 5		
DRAFT					DISTRIBUTION OF TIME AND MILES RUN						
FORWARD		LIGHT		LOADED				AGITATING (MIN)	DREDGE & HAUL (MIN)	MILES RUN (NAUT MI)	
		8		15				EFFECTIVE WORKING TIME:			
AFT		10		16				PUMPING: 00:00 02:23 0.0			
								TURNING: 00:00 00:00 0.0			
DRAG DEPTH MAX 49 MIN 44									TO DUMP: 00:00 10:33 0.0		
									CONNECTING: 00:00 00:00 0.0		
INDICATORS LAST CHECKED ON 02/23/2016									DUMPING: 00:00 00:20 0.0		
									DISCONNECTING: 00:00 00:00 0.0		
AVERAGE SPEED OF DREDGE DURING LOADING					FT/MIN 2			TO CUT: 00:00 10:44 0.0			
AVERAGE SPEED OF DREDGE DURING AGITATING					FT/MIN 0			TOTALS: 00:00 24:00 0.0			
GALLONS OF FUEL OIL CONSUMED					GAL 1,437	NON-EFFECTIVE WORKING TIME:					
GALLONS OF WATER CONSUMED					GAL 1,120			TAKING ON FUEL AND SUPPLIES: 00:00 00:00 0.0			
WORK PERFORMED									TO AND FROM WHARF OR ANCHORAGE: 00:00 00:00 0.0		
DREDGING AND HAULING				AGITATING				LOSS DUE TO NATURAL ELEMENTS: 00:00 00:00 0.0			
NO. OF LOADS	TOTAL CYS	DISPOSAL AREA		TOTAL CYS				LOSS DUE TO TRAFFIC AND BRIDGES 00:00 00:00 0.0			
6	15,810	ODMDS		0				MINOR OPERATING REPAIRS: 00:00 00:00 0.0			
								TRANSFERRING BETWEEN WORKS: 00:00 00:00 0.0			
								LAY TIME: 00:00 00:00 0.0			
								FIRE AND BOAT DRILLS: 00:00 00:00 0.0			
ATTENDANT PLANT									MISCELLANEOUS: 00:00 00:00 0.0		
ITEM	NAME OR NUMBER		H.P.	HOURS					TOTALS: 00:00 00:00 0.0		
40' Crewboat	Cape Anne		400	12:00					LOST TIME:		
									MAJOR REPAIRS AND ALTERATIONS: 00:00 00:00 0.0		
									CESSATION: 00:00 00:00 0.0		
									COLLISIONS: 00:00 00:00 0.0		
									TOTALS: 00:00 00:00 0.0		
									TOTAL TIME/MILES: 00:00 24:00 0.0		

QUALITY CONTROL REPORT-HOPPER DREDGE					PAGE NO. <div>Page 88 of 494</div>	
CONTRACT NO. W91278-16-D-0041 0001		CONTRACT TITLE IDIQ Rental Hopper Dredge in Mobile		CONTRACTOR Dutra Dredging Company		REPORT NO. 44
DREDGE		NAME AND TYPE M/V Columbia			DATE 16 Mar 2016 - Wednesday	
LOADS						
LOAD NUMBER	DREDGING AREA DISPOSAL AREA	START TIME STOP TIME (HH:MM)	PUMPING TURNING (MIN)	TO DUMP DUMPING TO CUT (MIN)	TOTAL TIME DREDGED AMOUNT AGITATED AMOUNT (MIN/CYS)	
1	Sta 1120+00 to 1180+00 ODMDS	00:00 00:27	27 0	116 4 104	251 2,635 0	
2	Sta 1120+00 to 1180+00 ODMDS	04:11 04:40	29 0	133 4 149	315 2,635 0	
3	Sta 1120+00 to 1180+00 ODMDS	09:26 09:58	32 0	131 4 129	296 2,635 0	
4	Sta 1120+00 to 1180+00 ODMDS	14:22 14:49	27 0	121 4 125	277 2,635 0	
5	Sta 1120+00 to 1180+00 ODMDS	18:59 19:26	27 0	132 4 136	299 2,635 0	
6	Sta 1120+00 to 1180+00 ODMDS	23:58 23:59	1 0	0 0 1	2 2,635 0	
<div>QC NARRATIVE(S)</div> <div>GENERAL COMMENTS</div> <div>1440 minutes @ 100%. Nice weather conditions.</div>						

QUALITY CONTROL REPORT-HOPPER DREDGE										PAGE NO. Page 89 of 494														
CONTRACT NO. W91278-16-D-0041 0001		CONTRACT TITLE IDIQ Rental Hopper Dredge in Mobile					CONTRACTOR Dutra Dredging Company			REPORT NO. 45														
CHARACTER OF REPORT		<input checked="" type="checkbox"/> MAINTENANCE <input type="checkbox"/> NEW WORK							DATE 17 Mar 2016 - Thursday															
DREDGE (M/V Columbia)		HOPPER CAP: 4,387 CY		AVG VOL OF BIN WATER: 4,387 CY			AVG UNFILLED CAP: 4,387 CY																	
		NO. OF CREW MEMBERS	DREDGE 13	OTHER PLANT 5		WORK SCHEDULE		SHIFTS PER DAY 2		DAYS PER WEEK 7														
LOCATION OF WORK		LOCATION CHANNEL Mobile Harbor		REACH DREDGED; STA TO STA Sta 1120+00 to 1180+00			DISPOSAL AREA USE Mobile 102 -SW		QTY DEPOSITED GROSS(CY) 13,175		CUMULATIVE AND QTY DEPOSIT FOR DA(CY) 389,980													
		AVG LENGTH OF CUT 6,000 FT			AVG WIDTH OF CUT 400 FT			AVG DIST TO DUMP 39 NM																
CHARACTER OF MATERIAL		DENSITY OF MATERIALS						GMS/LITER 1.045																
		DENSITY OF WATER				1.006		GMS/LITER@ 52 °F																
RIVER/TIDE STAGE		MIN 0	TIME 07:42	MAX 1	TIME 19:08	GAGE LOCATION USCG Brookley																		
		MIN 0	TIME 00:00	MAX 0	TIME 00:00	GAGE DATUM MLLW																		
WEATHER CONDITION		WEATHER Weather Caused No Delay			TEMP (min / max) 57 °F / 77 °F		VISIBILITY 10		WIND 15															
DRAFT					DISTRIBUTION OF TIME AND MILES RUN																			
FORWARD		LIGHT		LOADED				AGITATING (MIN)		DREDGE & HAUL (MIN)		MILES RUN (NAUT MI)												
		8		15		EFFECTIVE WORKING TIME:																		
AFT						PUMPING:							00:00		02:16		0.0							
		10		16		TURNING:							00:00		00:00		0.0							
DRAG DEPTH MAX 49 MIN 44					TO DUMP:							00:00		08:52		0.0								
					CONNECTING:							00:00		00:00		0.0								
INDICATORS LAST CHECKED ON 02/23/2016					DUMPING:							00:00		00:18		0.0								
					DISCONNECTING:							00:00		00:00		0.0								
AVERAGE SPEED OF DREDGE DURING LOADING							FT/MIN 2		TO CUT:							00:00		12:34		0.0				
AVERAGE SPEED OF DREDGE DURING AGITATING							FT/MIN 0		TOTALS:							00:00		24:00		0.0				
GALLONS OF FUEL OIL CONSUMED							GAL 3,468		NON-EFFECTIVE WORKING TIME:															
GALLONS OF WATER CONSUMED							GAL 896		TAKING ON FUEL AND SUPPLIES:							00:00		00:00		0.0				
WORK PERFORMED					DREDGING AND HAULING							TO AND FROM WHARF OR ANCHORAGE:							00:00		00:00		0.0	
					AGITATING					LOSS DUE TO NATURAL ELEMENTS:							00:00		00:00		0.0			
NO. OF LOADS		TOTAL CYS		DISPOSAL AREA		TOTAL CYS		LOSS DUE TO TRAFFIC AND BRIDGES							00:00		00:00		0.0					
5		13,175		ODMDS		0		MINOR OPERATING REPAIRS:							00:00		00:00		0.0					
								TRANSFERRING BETWEEN WORKS:							00:00		00:00		0.0					
								LAY TIME:							00:00		00:00		0.0					
								FIRE AND BOAT DRILLS:							00:00		00:00		0.0					
ATTENDANT PLANT					ITEM							MISCELLANEOUS:							00:00		00:00		0.0	
					NAME OR NUMBER							H.P.		HOURS		TOTALS:							00:00	
40' Crewboat		Cape Anne				400		12:00		LOST TIME:														
										MAJOR REPAIRS AND ALTERATIONS:							00:00		00:00		0.0			
										CESSATION:							00:00		00:00		0.0			
										COLLISIONS:							00:00		00:00		0.0			
										TOTALS:							00:00		00:00		0.0			
										TOTAL TIME/MILES:							00:00		24:00		0.0			

QUALITY CONTROL REPORT-HOPPER DREDGE			PAGE NO. Page 90 of 494
CONTRACT NO. W91278-16-D-0041 0001	CONTRACT TITLE IDIQ Rental Hopper Dredge in Mobile	CONTRACTOR Dutra Dredging Company	REPORT NO. 45
DREDGE	NAME AND TYPE M/V Columbia	DATE 17 Mar 2016 - Thursday	

LOADS					
LOAD NUMBER	DREDGING AREA DISPOSAL AREA	START TIME STOP TIME (HH:MM)	PUMPING TURNING (MIN)	TO DUMP DUMPING TO CUT (MIN)	TOTAL TIME DREDGED AMOUNT AGITATED AMOUNT (MIN/CYS)
1	Sta 1120+00 to 1180+00 ODMDS	00:00 00:36	36 0	131 4 138	309 2,635 0
2	Sta 1120+00 to 1180+00 ODMDS	05:09 05:43	34 0	127 4 145	310 2,635 0
3	Sta 1120+00 to 1180+00 ODMDS	10:19 10:53	34 0	141 6 136	317 2,635 0
4	Sta 1120+00 to 1180+00 ODMDS	15:36 16:07	31 0	133 4 154	322 2,635 0
5	Sta 1120+00 to 1180+00 ODMDS	20:58 20:59	1 0	0 0 181	182 2,635 0

QC NARRATIVE(S)

GENERAL COMMENTS

1440 minutes @ 100%. Heavy and severe thunderstorms in the evening hours but mostly kept north of Bay/Dredge Cut.

QUALITY CONTROL REPORT-HOPPER DREDGE										PAGE NO. Page 91 of 494	
CONTRACT NO. W91278-16-D-0041 0001		CONTRACT TITLE IDIQ Rental Hopper Dredge in Mobile					CONTRACTOR Dutra Dredging Company			REPORT NO. 46	
CHARACTER OF REPORT		<input checked="" type="checkbox"/> MAINTENANCE <input type="checkbox"/> NEW WORK							DATE 18 Mar 2016 - Friday		
DREDGE (M/V Columbia)		HOPPER CAP: 4,387 CY		AVG VOL OF BIN WATER: 4,387 CY			AVG UNFILLED CAP: 4,387 CY				
		NO. OF CREW MEMBERS	DREDGE 13	OTHER PLANT 5	WORK SCHEDULE	SHIFTS PER DAY 2	DAYS PER WEEK 7				
LOCATION OF WORK		LOCATION CHANNEL Mobile Harbor	REACH DREDGED; STA TO STA Sta 1120+00 to 1180+00		DISPOSAL AREA USE Mobile 102 -SW		QTY DEPOSITED GROSS(CY) 13,175	CUMULATIVE AND QTY DEPOSIT FOR DA(CY) 403,155			
		AVG LENGTH OF CUT 6,000 FT		AVG WIDTH OF CUT 400 FT		AVG DIST TO DUMP 39 NM					
CHARACTER OF MATERIAL		DENSITY OF MATERIALS						GMS/LITER 1.045			
		DENSITY OF WATER			1.006			GMS/LITER@ 52 °F			
RIVER/TIDE STAGE		MIN 0	TIME 08:53	MAX 1	TIME 20:02	GAGE LOCATION USCG Brookley					
		MIN 0	TIME 00:00	MAX 0	TIME 00:00	GAGE DATUM MLLW					
WEATHER CONDITION		WEATHER Weather Caused No Delay		TEMP (min / max) 57 °F / 66 °F		VISIBILITY 5		WIND 15			
DRAFT					DISTRIBUTION OF TIME AND MILES RUN						
FORWARD		LIGHT		LOADED				AGITATING (MIN)	DREDGE & HAUL (MIN)	MILES RUN (NAUT MI)	
		8		15		EFFECTIVE WORKING TIME:					
AFT		10		16		PUMPING: 00:00 02:47 0.0					
		TURNING: 00:00 00:00 0.0									
DRAG DEPTH MAX 49 MIN 44					TO DUMP: 00:00 10:57 0.0						
INDICATORS LAST CHECKED ON 02/23/2016					CONNECTING: 00:00 00:00 0.0						
AVERAGE SPEED OF DREDGE DURING LOADING					FT/MIN 2	DUMPING: 00:00 00:20 0.0					
AVERAGE SPEED OF DREDGE DURING AGITATING					FT/MIN 0	DISCONNECTING: 00:00 00:00 0.0					
GALLONS OF FUEL OIL CONSUMED					GAL 3,516	TO CUT: 00:00 09:56 0.0					
GALLONS OF WATER CONSUMED					GAL 1,121	TOTALS: 00:00 24:00 0.0					
WORK PERFORMED					NON-EFFECTIVE WORKING TIME:						
DREDGING AND HAULING			AGITATING		TAKING ON FUEL AND SUPPLIES: 00:00 00:00 0.0						
NO. OF LOADS	TOTAL CYS	DISPOSAL AREA	TOTAL CYS		TO AND FROM WHARF OR ANCHORAGE: 00:00 00:00 0.0						
5	13,175	ODMDS	0		LOSS DUE TO NATURAL ELEMENTS: 00:00 00:00 0.0						
					LOSS DUE TO TRAFFIC AND BRIDGES 00:00 00:00 0.0						
					MINOR OPERATING REPAIRS: 00:00 00:00 0.0						
					TRANSFERRING BETWEEN WORKS: 00:00 00:00 0.0						
					LAY TIME: 00:00 00:00 0.0						
					FIRE AND BOAT DRILLS: 00:00 00:00 0.0						
ATTENDANT PLANT					MISCELLANEOUS: 00:00 00:00 0.0						
ITEM	NAME OR NUMBER		H.P.	HOURS	TOTALS: 00:00 00:00 0.0						
40' Crewboat	Cape Anne		400	12:00	LOST TIME:						
					MAJOR REPAIRS AND ALTERATIONS: 00:00 00:00 0.0						
					CESSATION: 00:00 00:00 0.0						
					COLLISIONS: 00:00 00:00 0.0						
					TOTALS: 00:00 00:00 0.0						
					TOTAL TIME/MILES: 00:00 24:00 0.0						

QUALITY CONTROL REPORT-HOPPER DREDGE			PAGE NO. Page 92 of 494
CONTRACT NO. W91278-16-D-0041 0001	CONTRACT TITLE IDIQ Rental Hopper Dredge in Mobile	CONTRACTOR Dutra Dredging Company	REPORT NO. 46
DREDGE	NAME AND TYPE M/V Columbia	DATE 18 Mar 2016 - Friday	

LOADS					
LOAD NUMBER	DREDGING AREA DISPOSAL AREA	START TIME STOP TIME (HH:MM)	PUMPING TURNING (MIN)	TO DUMP DUMPING TO CUT (MIN)	TOTAL TIME DREDGED AMOUNT AGITATED AMOUNT (MIN/CYS)
1	Sta 1120+00 to 1180+00 ODMDS	00:00 00:33	33 0	133 4 12	182 2,635 0
2	Sta 1120+00 to 1180+00 ODMDS	03:02 03:35	33 0	140 4 151	328 2,635 0
3	Sta 1120+00 to 1180+00 ODMDS	08:30 09:06	36 0	130 4 156	326 2,635 0
4	Sta 1120+00 to 1180+00 ODMDS	13:56 14:30	34 0	130 4 125	293 2,635 0
5	Sta 1120+00 to 1180+00 ODMDS	18:49 19:20	31 0	124 4 152	311 2,635 0

QC NARRATIVE(S)

GENERAL COMMENTS

1440 minutes @ 100%. Heavy and severe thunderstorms in the evening hours with building seas.

Conditional survey of Station 1120+00 to 1180+00 in the afternoon.

QUALITY CONTROL REPORT-HOPPER DREDGE										PAGE NO. Page 93 of 494	
CONTRACT NO. W91278-16-D-0041 0001		CONTRACT TITLE IDIQ Rental Hopper Dredge in Mobile					CONTRACTOR Dutra Dredging Company			REPORT NO. 47	
CHARACTER OF REPORT		<input checked="" type="checkbox"/> MAINTENANCE <input type="checkbox"/> NEW WORK							DATE 19 Mar 2016 - Saturday		
DREDGE (M/V Columbia)		HOPPER CAP: 4,387 CY		AVG VOL OF BIN WATER: 4,387 CY		AVG UNFILLED CAP: 4,387 CY					
		NO. OF CREW MEMBERS	DREDGE 13	OTHER PLANT 5	WORK SCHEDULE	SHIFTS PER DAY 2	DAYS PER WEEK 7				
LOCATION OF WORK		LOCATION CHANNEL Mobile Harbor	REACH DREDGED; STA TO STA Sta 1120+00 to 1180+00		DISPOSAL AREA USE Mobile 102 -SW		QTY DEPOSITED GROSS(CY) 10,540	CUMULATIVE AND QTY DEPOSIT FOR DA(CY) 413,695			
		AVG LENGTH OF CUT 6,000 FT		AVG WIDTH OF CUT 400 FT		AVG DIST TO DUMP 39 NM					
CHARACTER OF MATERIAL		DENSITY OF MATERIALS					GMS/LITER 1.045				
		DENSITY OF WATER			1.006		GMS/LITER@ 52 °F				
RIVER/TIDE STAGE		MIN 0	TIME 09:49	MAX 1	TIME 20:58	GAGE LOCATION USCG Brookley					
		MIN 0	TIME 00:00	MAX 0	TIME 00:00	GAGE DATUM MLLW					
WEATHER CONDITION		WEATHER		TEMP (min / max)		VISIBILITY		WIND			
		Weather Caused Critical Delay		55 °F / 72 °F		5		25			
DRAFT					DISTRIBUTION OF TIME AND MILES RUN						
FORWARD		LIGHT		LOADED				AGITATING (MIN)	DREDGE & HAUL (MIN)	MILES RUN (NAUT MI)	
		8		15				EFFECTIVE WORKING TIME:			
AFT											
		10		16							
DRAG DEPTH MAX 49 MIN 44					PUMPING:		00:00	01:41	0.0		
INDICATORS LAST CHECKED ON 02/23/2016					TURNING:		00:00	00:00	0.0		
					TO DUMP:		00:00	06:39	0.0		
AVERAGE SPEED OF DREDGE DURING LOADING					CONNECTING:		00:00	00:00	0.0		
					DUMPING:		00:00	00:12	0.0		
AVERAGE SPEED OF DREDGE DURING AGITATING					DISCONNECTING:		00:00	00:00	0.0		
					TO CUT:		00:00	08:34	0.0		
GALLONS OF FUEL OIL CONSUMED					TOTALS:		00:00	17:06	0.0		
					NON-EFFECTIVE WORKING TIME:						
GALLONS OF WATER CONSUMED					TAKING ON FUEL AND SUPPLIES:		00:00	00:00	0.0		
					TO AND FROM WHARF OR ANCHORAGE:		00:00	00:00	0.0		
WORK PERFORMED					LOSS DUE TO NATURAL ELEMENTS:		00:00	06:54	0.0		
DREDGING AND HAULING				AGITATING		LOSS DUE TO TRAFFIC AND BRIDGES		00:00	00:00	0.0	
NO. OF LOADS	TOTAL CYS	DISPOSAL AREA		TOTAL CYS		MINOR OPERATING REPAIRS:		00:00	00:00	0.0	
4	10,540	ODMDS		0		TRANSFERRING BETWEEN WORKS:		00:00	00:00	0.0	
						LAY TIME:		00:00	00:00	0.0	
						FIRE AND BOAT DRILLS:		00:00	00:00	0.0	
ATTENDANT PLANT					MISCELLANEOUS:		00:00	00:00	0.0		
ITEM	NAME OR NUMBER		H.P.	HOURS	TOTALS:		00:00	06:54	0.0		
40' Crewboat	Cape Anne		400	12:00	LOST TIME:						
					MAJOR REPAIRS AND ALTERATIONS:		00:00	00:00	0.0		
					CESSATION:		00:00	00:00	0.0		
					COLLISIONS:		00:00	00:00	0.0		
					TOTALS:		00:00	00:00	0.0		
					TOTAL TIME/MILES:		00:00	24:00	0.0		

QUALITY CONTROL REPORT-HOPPER DREDGE					PAGE NO. Page 94 of 494	
CONTRACT NO. W91278-16-D-0041 0001		CONTRACT TITLE IDIQ Rental Hopper Dredge in Mobile		CONTRACTOR Dutra Dredging Company		REPORT NO. 47
DREDGE		NAME AND TYPE M/V Columbia			DATE 19 Mar 2016 - Saturday	
LOADS						
LOAD NUMBER	DREDGING AREA DISPOSAL AREA	START TIME STOP TIME (HH:MM)	PUMPING TURNING (MIN)	TO DUMP DUMPING TO CUT (MIN)	TOTAL TIME DREDGED AMOUNT AGITATED AMOUNT (MIN/CYS)	
1	Sta 1120+00 to 1180+00 ODMDS	06:54 07:28	34 0	130 4 170	338 2,635 0	
2	Sta 1120+00 to 1180+00 ODMDS	12:32 13:06	34 0	137 4 167	342 2,635 0	
3	Sta 1120+00 to 1180+00 ODMDS	18:14 18:46	32 0	132 4 148	316 2,635 0	
4	Sta 1120+00 to 1180+00 ODMDS	23:30 23:31	1 0	0 0 29	30 2,635 0	
QC NARRATIVE(S) GENERAL COMMENTS 1026 minutes @ 100%. 414 minutes @ 70%. for weather delay						

QUALITY CONTROL REPORT-HOPPER DREDGE										PAGE NO. Page 95 of 494								
CONTRACT NO. W91278-16-D-0041 0001		CONTRACT TITLE IDIQ Rental Hopper Dredge in Mobile					CONTRACTOR Dutra Dredging Company			REPORT NO. 48								
CHARACTER OF REPORT		<input checked="" type="checkbox"/> MAINTENANCE <input type="checkbox"/> NEW WORK							DATE 20 Mar 2016 - Sunday									
DREDGE (M/V Columbia)		HOPPER CAP: 4,387 CY		AVG VOL OF BIN WATER: 4,387 CY		AVG UNFILLED CAP: 4,387 CY												
		NO. OF CREW MEMBERS	DREDGE 13	OTHER PLANT 5	WORK SCHEDULE	SHIFTS PER DAY 2	DAYS PER WEEK 7											
LOCATION OF WORK		LOCATION CHANNEL Mobile Harbor		REACH DREDGED; STA TO STA Sta 1120+00 to 1180+00		DISPOSAL AREA USE Mobile 102 -SW		QTY DEPOSITED GROSS(CY) 10,540		CUMULATIVE AND QTY DEPOSIT FOR DA(CY) 424,235								
		AVG LENGTH OF CUT 6,000 FT		AVG WIDTH OF CUT 400 FT		AVG DIST TO DUMP 39 NM												
CHARACTER OF MATERIAL		DENSITY OF MATERIALS						GMS/LITER 1.045										
		DENSITY OF WATER			1.006			GMS/LITER@ 52 °F										
RIVER/TIDE STAGE		MIN 0	TIME 00:00	MAX 0	TIME 00:00	GAGE LOCATION Fowl River												
		MIN -1	TIME 00:00	MAX 0	TIME 00:00	GAGE DATUM MLLW												
WEATHER CONDITION		WEATHER			TEMP (min / max)		VISIBILITY		WIND									
		Weather Caused No Delay			46 °F / 61 °F		5		32									
DRAFT					DISTRIBUTION OF TIME AND MILES RUN													
FORWARD		LIGHT		LOADED				AGITATING (MIN)		DREDGE & HAUL (MIN)		MILES RUN (NAUT MI)						
		8		15		EFFECTIVE WORKING TIME:												
AFT		10		16		PUMPING:		00:00		02:17		0.0						
						TURNING:		00:00		00:00		0.0						
DRAG DEPTH MAX 49 MIN 44					TO DUMP:		00:00		09:01		0.0							
					CONNECTING:		00:00		00:00		0.0							
INDICATORS LAST CHECKED ON 02/23/2016					DUMPING:		00:00		00:16		0.0							
					DISCONNECTING:		00:00		00:00		0.0							
AVERAGE SPEED OF DREDGE DURING LOADING							FT/MIN		2		TO CUT:		00:00		12:26		0.0	
AVERAGE SPEED OF DREDGE DURING AGITATING							FT/MIN		0		TOTALS:		00:00		24:00		0.0	
GALLONS OF FUEL OIL CONSUMED							GAL		2,760		NON-EFFECTIVE WORKING TIME:							
GALLONS OF WATER CONSUMED							GAL		560		TAKING ON FUEL AND SUPPLIES:		00:00		00:00		0.0	
WORK PERFORMED											TO AND FROM WHARF OR ANCHORAGE:		00:00		00:00		0.0	
													LOSS DUE TO NATURAL ELEMENTS:		00:00		00:00	
DREDGING AND HAULING				AGITATING						LOSS DUE TO TRAFFIC AND BRIDGES		00:00		00:00		0.0		
NO. OF LOADS		TOTAL CYS		DISPOSAL AREA		TOTAL CYS				MINOR OPERATING REPAIRS:		00:00		00:00		0.0		
5		10,540		Mobile 102-SW		0				TRANSFERRING BETWEEN WORKS:		00:00		00:00		0.0		
										LAY TIME:		00:00		00:00		0.0		
										FIRE AND BOAT DRILLS:		00:00		00:00		0.0		
ATTENDANT PLANT											MISCELLANEOUS:		00:00		00:00		0.0	
													TOTALS:		00:00		00:00	
ITEM		NAME OR NUMBER			H.P.		HOURS		LOST TIME:									
40' Crewboat		Cape Anne			400		12:00				MAJOR REPAIRS AND ALTERATIONS:		00:00		00:00		0.0	
											CESSATION:		00:00		00:00		0.0	
											COLLISIONS:		00:00		00:00		0.0	
											TOTALS:		00:00		00:00		0.0	
											TOTAL TIME/MILES:		00:00		24:00		0.0	

QUALITY CONTROL REPORT-HOPPER DREDGE					PAGE NO. Page 96 of 494	
CONTRACT NO. W91278-16-D-0041 0001		CONTRACT TITLE IDIQ Rental Hopper Dredge in Mobile		CONTRACTOR Dutra Dredging Company		REPORT NO. 48
DREDGE		NAME AND TYPE M/V Columbia			DATE 20 Mar 2016 - Sunday	
LOADS						
LOAD NUMBER	DREDGING AREA DISPOSAL AREA	START TIME STOP TIME (HH:MM)	PUMPING TURNING (MIN)	TO DUMP DUMPING TO CUT (MIN)	TOTAL TIME DREDGED AMOUNT AGITATED AMOUNT (MIN/CYS)	
1	Sta 1120+00 to 1180+00 Mobile 102-SW	00:00 00:37	37 0	125 4 117	283 2,635 0	
2	Sta 1120+00 to 1180+00 Mobile 102-SW	04:43 05:18	35 0	146 4 136	321 2,635 0	
3	Sta 1120+00 to 1180+00 Mobile 102-SW	10:04 10:33	29 0	137 4 140	310 2,635 0	
4	Sta 1120+00 to 1180+00 Mobile 102-SW	15:14 15:49	35 0	133 4 187	359 2,635 0	
5	Sta 1120+00 to 1180+00 Mobile 102-SW	21:13 21:14	1 0	0 0 166	167 0 0	
QC NARRATIVE(S) GENERAL COMMENTS 1440 minutes @ 100%.						

QUALITY CONTROL REPORT-HOPPER DREDGE										PAGE NO. Page 97 of 494								
CONTRACT NO. W91278-16-D-0041 0001		CONTRACT TITLE IDIQ Rental Hopper Dredge in Mobile					CONTRACTOR Dutra Dredging Company			REPORT NO. 49								
CHARACTER OF REPORT		<input checked="" type="checkbox"/> MAINTENANCE <input type="checkbox"/> NEW WORK							DATE 21 Mar 2016 - Monday									
DREDGE (M/V Columbia)		HOPPER CAP: 4,387 CY		AVG VOL OF BIN WATER: 4,387 CY		AVG UNFILLED CAP: 4,387 CY												
		NO. OF CREW MEMBERS	DREDGE 13	OTHER PLANT 5	WORK SCHEDULE	SHIFTS PER DAY 2	DAYS PER WEEK 7											
LOCATION OF WORK		LOCATION CHANNEL Mobile Harbor		REACH DREDGED; STA TO STA Sta 1120+00 to 1180+00		DISPOSAL AREA USE Mobile 102 -SW		QTY DEPOSITED GROSS(CY) 10,540		CUMULATIVE AND QTY DEPOSIT FOR DA(CY) 434,775								
		AVG LENGTH OF CUT 6,000 FT		AVG WIDTH OF CUT 400 FT		AVG DIST TO DUMP 39 NM												
CHARACTER OF MATERIAL		DENSITY OF MATERIALS						GMS/LITER 1.045										
		DENSITY OF WATER			1.006			GMS/LITER@ 52 °F										
RIVER/TIDE STAGE		MIN 0	TIME 00:00	MAX 0	TIME 00:00	GAGE LOCATION Fowl River												
		MIN 0	TIME 00:00	MAX 0	TIME 00:00	GAGE DATUM MLLW												
WEATHER CONDITION		WEATHER			TEMP (min / max)		VISIBILITY		WIND									
		Weather Caused No Delay			38 °F / 63 °F		5		21									
DRAFT					DISTRIBUTION OF TIME AND MILES RUN													
FORWARD		LIGHT		LOADED				AGITATING (MIN)		DREDGE & HAUL (MIN)		MILES RUN (NAUT MI)						
		8		15		EFFECTIVE WORKING TIME:												
AFT		10		16		PUMPING:		00:00		02:36		0.0						
						TURNING:		00:00		00:00		0.0						
DRAG DEPTH MAX 49 MIN 44					TO DUMP:		00:00		11:13		0.0							
					CONNECTING:		00:00		00:00		0.0							
INDICATORS LAST CHECKED ON 02/23/2016					DUMPING:		00:00		00:16		0.0							
					DISCONNECTING:		00:00		00:00		0.0							
AVERAGE SPEED OF DREDGE DURING LOADING							FT/MIN		2		TO CUT:		00:00		08:44		0.0	
AVERAGE SPEED OF DREDGE DURING AGITATING							FT/MIN		0		TOTALS:		00:00		22:49		0.0	
GALLONS OF FUEL OIL CONSUMED							GAL		2,580		NON-EFFECTIVE WORKING TIME:							
GALLONS OF WATER CONSUMED							GAL		596		TAKING ON FUEL AND SUPPLIES:		00:00		00:00		0.0	
WORK PERFORMED											TO AND FROM WHARF OR ANCHORAGE:		00:00		00:00		0.0	
													LOSS DUE TO NATURAL ELEMENTS:		00:00		00:00	
DREDGING AND HAULING											LOSS DUE TO TRAFFIC AND BRIDGES		00:00		00:00		0.0	
NO. OF LOADS		TOTAL CYS		DISPOSAL AREA		TOTAL CYS				MINOR OPERATING REPAIRS:		00:00		01:11		0.0		
5		10,540		Mobile 102-SW		0				TRANSFERRING BETWEEN WORKS:		00:00		00:00		0.0		
										LAY TIME:		00:00		00:00		0.0		
										FIRE AND BOAT DRILLS:		00:00		00:00		0.0		
ATTENDANT PLANT											MISCELLANEOUS:		00:00		00:00		0.0	
													TOTALS:		00:00		01:11	
ITEM		NAME OR NUMBER			H.P.		HOURS		LOST TIME:									
40' Crewboat		Cape Anne			400		12:00				MAJOR REPAIRS AND ALTERATIONS:		00:00		00:00		0.0	
											CESSATION:		00:00		00:00		0.0	
											COLLISIONS:		00:00		00:00		0.0	
											TOTALS:		00:00		00:00		0.0	
											TOTAL TIME/MILES:		00:00		24:00		0.0	

QUALITY CONTROL REPORT-HOPPER DREDGE			PAGE NO. Page 98 of 494
CONTRACT NO. W91278-16-D-0041 0001	CONTRACT TITLE IDIQ Rental Hopper Dredge in Mobile	CONTRACTOR Dutra Dredging Company	REPORT NO. 49
DREDGE	NAME AND TYPE M/V Columbia	DATE 21 Mar 2016 - Monday	

LOADS					
LOAD NUMBER	DREDGING AREA DISPOSAL AREA	START TIME STOP TIME (HH:MM)	PUMPING TURNING (MIN)	TO DUMP DUMPING TO CUT (MIN)	TOTAL TIME DREDGED AMOUNT AGITATED AMOUNT (MIN/CYS)
1	Sta 1120+00 to 1180+00 Mobile 102-SW	00:00 00:30	30 0	126 4 0	160 2,635 0
2	Sta 1120+00 to 1180+00 Mobile 102-SW	03:10 03:41	31 0	153 4 146	334 2,635 0
3	Sta 1120+00 to 1180+00 Mobile 102-SW	08:44 09:17	33 0	144 4 127	308 2,635 0
4	Sta 1120+00 to 1180+00 Mobile 102-SW	13:52 14:25	33 0	130 4 134	301 2,635 0
5	Sta 1120+00 to 1180+00 Mobile 102-SW	19:34 20:03	29 0	120 0 117	266 0 0

QC NARRATIVE(S)

GENERAL COMMENTS

1369 minutes @ 100%.
71 minutes @ 0%. Minor Repairs

QUALITY CONTROL REPORT-HOPPER DREDGE										PAGE NO. Page 99 of 494	
CONTRACT NO. W91278-16-D-0041 0001		CONTRACT TITLE IDIQ Rental Hopper Dredge in Mobile					CONTRACTOR Dutra Dredging Company			REPORT NO. 50	
CHARACTER OF REPORT		<input checked="" type="checkbox"/> MAINTENANCE <input type="checkbox"/> NEW WORK							DATE 22 Mar 2016 - Tuesday		
DREDGE (M/V Columbia)		HOPPER CAP: 4,387 CY		AVG VOL OF BIN WATER: 4,387 CY		AVG UNFILLED CAP: 4,387 CY					
		NO. OF CREW MEMBERS	DREDGE 13	OTHER PLANT 5	WORK SCHEDULE	SHIFTS PER DAY 2	DAYS PER WEEK 7				
LOCATION OF WORK		LOCATION CHANNEL Mobile Harbor	REACH DREDGED; STA TO STA Sta 1120+00 to 1180+00		DISPOSAL AREA USE Mobile 102 -SW		QTY DEPOSITED GROSS(CY) 2,635	CUMULATIVE AND QTY DEPOSIT FOR DA(CY) 437,410			
		AVG LENGTH OF CUT 6,000 FT		AVG WIDTH OF CUT 400 FT		AVG DIST TO DUMP 39 NM					
CHARACTER OF MATERIAL		DENSITY OF MATERIALS					GMS/LITER 1.045				
		DENSITY OF WATER			1.006		GMS/LITER@ 52 °F				
RIVER/TIDE STAGE		MIN 14	TIME 00:00	MAX 0	TIME 00:00	GAGE LOCATION Fowl River					
		MIN 0	TIME 00:00	MAX 0	TIME 00:00	GAGE DATUM MLLW					
WEATHER CONDITION		WEATHER Weather Caused No Delay		TEMP (min / max) 46 °F / 61 °F		VISIBILITY 5		WIND 27			
DRAFT					DISTRIBUTION OF TIME AND MILES RUN						
FORWARD	LIGHT		LOADED			AGITATING (MIN)	DREDGE & HAUL (MIN)	MILES RUN (NAUT MI)			
	8		15		EFFECTIVE WORKING TIME:						
AFT	10		16		PUMPING:	00:00	02:27	0.0			
					TURNING:	00:00	00:15	0.0			
DRAG DEPTH MAX 49 MIN 44				TO DUMP:		00:00	08:55	0.0			
				CONNECTING:		00:00	00:00	0.0			
INDICATORS LAST CHECKED ON 02/23/2016				DUMPING:		00:00	00:20	0.0			
				DISCONNECTING:		00:00	00:00	0.0			
AVERAGE SPEED OF DREDGE DURING LOADING			FT/MIN		TO CUT:	00:00	12:03	0.0			
			2		TOTALS:	00:00	24:00	0.0			
AVERAGE SPEED OF DREDGE DURING AGITATING			FT/MIN		NON-EFFECTIVE WORKING TIME:						
			0		TAKING ON FUEL AND SUPPLIES:	00:00	00:00	0.0			
GALLONS OF FUEL OIL CONSUMED			GAL		TO AND FROM WHARF OR ANCHORAGE:	00:00	00:00	0.0			
			2,287		LOSS DUE TO NATURAL ELEMENTS:	00:00	00:00	0.0			
GALLONS OF WATER CONSUMED			GAL		LOSS DUE TO TRAFFIC AND BRIDGES	00:00	00:00	0.0			
			448		MINOR OPERATING REPAIRS:	00:00	00:00	0.0			
WORK PERFORMED				TRANSFERRING BETWEEN WORKS:		00:00	00:00	0.0			
DREDGING AND HAULING			AGITATING		LAY TIME:	00:00	00:00	0.0			
NO. OF LOADS	TOTAL CYS	DISPOSAL AREA	TOTAL CYS		FIRE AND BOAT DRILLS:	00:00	00:00	0.0			
6	2,635	Mobile 102-SW	0		MISCELLANEOUS:	00:00	00:00	0.0			
					TOTALS:	00:00	00:00	0.0			
					LOST TIME:						
					MAJOR REPAIRS AND ALTERATIONS:	00:00	00:00	0.0			
					CESSATION:	00:00	00:00	0.0			
					COLLISIONS:	00:00	00:00	0.0			
					TOTALS:	00:00	00:00	0.0			
					TOTAL TIME/MILES:	00:00	24:00	0.0			
RMS FORM 27A											

QUALITY CONTROL REPORT-HOPPER DREDGE					PAGE NO. <div>Page 100 of 494</div>	
CONTRACT NO. W91278-16-D-0041 0001		CONTRACT TITLE IDIQ Rental Hopper Dredge in Mobile		CONTRACTOR Dutra Dredging Company		REPORT NO. 50
DREDGE		NAME AND TYPE M/V Columbia			DATE 22 Mar 2016 - Tuesday	
LOADS						
LOAD NUMBER	DREDGING AREA DISPOSAL AREA	START TIME STOP TIME (HH:MM)	PUMPING TURNING (MIN)	TO DUMP DUMPING TO CUT (MIN)	TOTAL TIME DREDGED AMOUNT AGITATED AMOUNT (MIN/CYS)	
1	Sta 1120+00 to 1180+00 Mobile 102-SW	00:00 00:01	1 0	25 4 0	30 0 0	
2	Sta 1120+00 to 1180+00 Mobile 102-SW	00:30 01:01	31 0	113 4 146	294 0 0	
3	Sta 1120+00 to 1180+00 Mobile 102-SW	05:24 06:01	37 0	131 4 127	299 0 0	
4	Sta 1120+00 to 1180+00 Mobile 102-SW	10:23 11:01	23 15	120 4 143	305 0 0	
5	Sta 1120+00 to 1180+00 Mobile 102-SW	15:28 16:03	35 0	146 4 189	374 2,635 0	
6	Sta 1120+00 to 1180+00 Mobile 102-SW	21:42 22:02	20 0	0 0 118	138 0 0	
<div>QC NARRATIVE(S)</div> <div>GENERAL COMMENTS</div> <div>1440 minutes @ 100%</div> <div>4 loads no Yardage accounted for to get Cumulative Total back in line, Recouped 10,540 yards of 18,445</div>						

QUALITY CONTROL REPORT-HOPPER DREDGE										PAGE NO. Page 101 of 494								
CONTRACT NO. W91278-16-D-0041 0001		CONTRACT TITLE IDIQ Rental Hopper Dredge in Mobile					CONTRACTOR Dutra Dredging Company			REPORT NO. 51								
CHARACTER OF REPORT		<input checked="" type="checkbox"/> MAINTENANCE <input type="checkbox"/> NEW WORK							DATE 23 Mar 2016 - Wednesday									
DREDGE (M/V Columbia)		HOPPER CAP: 4,387 CY		AVG VOL OF BIN WATER: 4,387 CY		AVG UNFILLED CAP: 4,387 CY												
		NO. OF CREW MEMBERS	DREDGE 13	OTHER PLANT 5	WORK SCHEDULE	SHIFTS PER DAY 2	DAYS PER WEEK 7											
LOCATION OF WORK		LOCATION CHANNEL Mobile Harbor		REACH DREDGED; STA TO STA Sta 1120+00 to 1180+00		DISPOSAL AREA USE Mobile 102 -SW		QTY DEPOSITED GROSS(CY) 5,270		CUMULATIVE AND QTY DEPOSIT FOR DA(CY) 442,680								
		AVG LENGTH OF CUT 6,000 FT		AVG WIDTH OF CUT 400 FT		AVG DIST TO DUMP 39 NM												
CHARACTER OF MATERIAL		DENSITY OF MATERIALS						GMS/LITER 1.045										
		DENSITY OF WATER				1.006		GMS/LITER@ 52 °F										
RIVER/TIDE STAGE		MIN 14	TIME 00:00	MAX 0	TIME 00:00	GAGE LOCATION Fowl River												
		MIN 0	TIME 00:00	MAX 0	TIME 00:00	GAGE DATUM MLLW												
WEATHER CONDITION		WEATHER			TEMP (min / max)		VISIBILITY		WIND									
		Weather Caused No Delay			58 °F / 72 °F		5		27									
DRAFT					DISTRIBUTION OF TIME AND MILES RUN													
FORWARD		LIGHT		LOADED				AGITATING (MIN)		DREDGE & HAUL (MIN)		MILES RUN (NAUT MI)						
		8		15		EFFECTIVE WORKING TIME:												
AFT		10		16		PUMPING:		00:00		02:19		0.0						
						TURNING:		00:00		00:09		0.0						
DRAG DEPTH MAX 49 MIN 44					TO DUMP:		00:00		11:52		0.0							
					CONNECTING:		00:00		00:00		0.0							
INDICATORS LAST CHECKED ON 02/23/2016					DUMPING:		00:00		00:20		0.0							
					DISCONNECTING:		00:00		00:00		0.0							
AVERAGE SPEED OF DREDGE DURING LOADING							FT/MIN		2		TO CUT:		00:00		09:20		0.0	
AVERAGE SPEED OF DREDGE DURING AGITATING							FT/MIN		0		TOTALS:		00:00		24:00		0.0	
GALLONS OF FUEL OIL CONSUMED							GAL		2,727		NON-EFFECTIVE WORKING TIME:							
GALLONS OF WATER CONSUMED							GAL		896		TAKING ON FUEL AND SUPPLIES:		00:00		00:00		0.0	
WORK PERFORMED											TO AND FROM WHARF OR ANCHORAGE:		00:00		00:00		0.0	
													LOSS DUE TO NATURAL ELEMENTS:		00:00		00:00	
DREDGING AND HAULING											LOSS DUE TO TRAFFIC AND BRIDGES		00:00		00:00		0.0	
NO. OF LOADS		TOTAL CYS		DISPOSAL AREA		TOTAL CYS				MINOR OPERATING REPAIRS:		00:00		00:00		0.0		
6		5,270		Mobile 102-SW		0				TRANSFERRING BETWEEN WORKS:		00:00		00:00		0.0		
										LAY TIME:		00:00		00:00		0.0		
										FIRE AND BOAT DRILLS:		00:00		00:00		0.0		
ATTENDANT PLANT											MISCELLANEOUS:		00:00		00:00		0.0	
													TOTALS:		00:00		00:00	
ITEM		NAME OR NUMBER			H.P.		HOURS		LOST TIME:									
40' Crewboat		Cape Anne			400		12:00				MAJOR REPAIRS AND ALTERATIONS:		00:00		00:00		0.0	
											CESSATION:		00:00		00:00		0.0	
											COLLISIONS:		00:00		00:00		0.0	
											TOTALS:		00:00		00:00		0.0	
											TOTAL TIME/MILES:		00:00		24:00		0.0	

QUALITY CONTROL REPORT-HOPPER DREDGE					PAGE NO. <div>Page 102 of 494</div>	
CONTRACT NO. W91278-16-D-0041 0001		CONTRACT TITLE IDIQ Rental Hopper Dredge in Mobile		CONTRACTOR Dutra Dredging Company		REPORT NO. 51
DREDGE		NAME AND TYPE M/V Columbia			DATE 23 Mar 2016 - Wednesday	
LOADS						
LOAD NUMBER	DREDGING AREA DISPOSAL AREA	START TIME STOP TIME (HH:MM)	PUMPING TURNING (MIN)	TO DUMP DUMPING TO CUT (MIN)	TOTAL TIME DREDGED AMOUNT AGITATED AMOUNT (MIN/CYS)	
1	Sta 1120+00 to 1180+00 Mobile 102-SW	00:00 00:11	11 0	132 4 0	147 0 0	
2	Sta 1120+00 to 1180+00 Mobile 102-SW	02:27 02:57	30 0	130 4 129	293 0 0	
3	Sta 1120+00 to 1180+00 Mobile 102-SW	07:20 07:56	36 0	157 4 128	325 0 0	
4	Sta 1120+00 to 1180+00 Mobile 102-SW	12:45 13:26	32 9	128 4 142	315 2,635 0	
5	Sta 1120+00 to 1180+00 Mobile 102-SW	18:00 18:29	29 0	165 4 135	333 2,635 0	
6	Sta 1120+00 to 1180+00 Mobile 102-SW	23:33 23:34	1 0	0 0 26	27 0 0	
QC NARRATIVE(S) GENERAL COMMENTS 1440 minutes @ 100% 3 loads no Yardage accounted for to get Cumulative Total back in line. Recouped 7,905 yards of 18,445. Cumulative Total Correct Now						

QUALITY CONTROL REPORT-HOPPER DREDGE										PAGE NO. Page 103 of 494								
CONTRACT NO. W91278-16-D-0041 0001		CONTRACT TITLE IDIQ Rental Hopper Dredge in Mobile					CONTRACTOR Dutra Dredging Company			REPORT NO. 52								
CHARACTER OF REPORT		<input checked="" type="checkbox"/> MAINTENANCE <input type="checkbox"/> NEW WORK							DATE 24 Mar 2016 - Thursday									
DREDGE (M/V Columbia)		HOPPER CAP: 4,387 CY		AVG VOL OF BIN WATER: 4,387 CY			AVG UNFILLED CAP: 4,387 CY											
		NO. OF CREW MEMBERS	DREDGE 13	OTHER PLANT 5		WORK SCHEDULE		SHIFTS PER DAY 2		DAYS PER WEEK 7								
LOCATION OF WORK		LOCATION CHANNEL Mobile Harbor		REACH DREDGED; STA TO STA Sta 1120+00 to 1180+00			DISPOSAL AREA USE Mobile 102 -SW		QTY DEPOSITED GROSS(CY) 5,270		CUMULATIVE AND QTY DEPOSIT FOR DA(CY) 447,950							
		AVG LENGTH OF CUT 6,000 FT			AVG WIDTH OF CUT 400 FT			AVG DIST TO DUMP 39 NM										
CHARACTER OF MATERIAL		DENSITY OF MATERIALS						GMS/LITER 1.045										
		DENSITY OF WATER				1.006		GMS/LITER@ 52 °F										
RIVER/TIDE STAGE		MIN 1	TIME 00:00	MAX 0	TIME 00:00	GAGE LOCATION Fowl River												
		MIN 0	TIME 00:00	MAX 0	TIME 00:00	GAGE DATUM MLLW												
WEATHER CONDITION		WEATHER			TEMP (min / max)		VISIBILITY		WIND									
		Weather Caused Critical Delay			63 °F / 73 °F		5		22									
DRAFT					DISTRIBUTION OF TIME AND MILES RUN													
FORWARD		LIGHT		LOADED				AGITATING (MIN)		DREDGE & HAUL (MIN)		MILES RUN (NAUT MI)						
		8		15		EFFECTIVE WORKING TIME:												
AFT		10		16		PUMPING:		00:00		01:20		0.0						
						TURNING:		00:00		00:07		0.0						
DRAG DEPTH MAX 49 MIN 44					TO DUMP:		00:00		04:54		0.0							
					CONNECTING:		00:00		00:00		0.0							
INDICATORS LAST CHECKED ON 02/23/2016					DUMPING:		00:00		00:08		0.0							
					DISCONNECTING:		00:00		00:00		0.0							
AVERAGE SPEED OF DREDGE DURING LOADING							FT/MIN		2		TO CUT:		00:00		05:46		0.0	
AVERAGE SPEED OF DREDGE DURING AGITATING							FT/MIN		0		TOTALS:		00:00		12:15		0.0	
GALLONS OF FUEL OIL CONSUMED							GAL		1,650		NON-EFFECTIVE WORKING TIME:							
GALLONS OF WATER CONSUMED							GAL		748		TAKING ON FUEL AND SUPPLIES:		00:00		00:00		0.0	
WORK PERFORMED											TO AND FROM WHARF OR ANCHORAGE:		00:00		00:00		0.0	
											LOSS DUE TO NATURAL ELEMENTS:		00:00		11:45		0.0	
DREDGING AND HAULING				AGITATING						LOSS DUE TO TRAFFIC AND BRIDGES		00:00		00:00		0.0		
NO. OF LOADS	TOTAL CYS	DISPOSAL AREA		TOTAL CYS						MINOR OPERATING REPAIRS:		00:00		00:00		0.0		
3	5,270	Mobile 102-SW		0						TRANSFERRING BETWEEN WORKS:		00:00		00:00		0.0		
										LAY TIME:		00:00		00:00		0.0		
										FIRE AND BOAT DRILLS:		00:00		00:00		0.0		
ATTENDANT PLANT											MISCELLANEOUS:		00:00		00:00		0.0	
											TOTALS:		00:00		11:45		0.0	
ITEM		NAME OR NUMBER			H.P.		HOURS		LOST TIME:									
40' Crewboat		Cape Anne			400		12:00				MAJOR REPAIRS AND ALTERATIONS:		00:00		00:00		0.0	
											CESSATION:		00:00		00:00		0.0	
											COLLISIONS:		00:00		00:00		0.0	
											TOTALS:		00:00		00:00		0.0	
											TOTAL TIME/MILES:		00:00		24:00		0.0	

QUALITY CONTROL REPORT-HOPPER DREDGE			PAGE NO. Page 104 of 494
CONTRACT NO. W91278-16-D-0041 0001	CONTRACT TITLE IDIQ Rental Hopper Dredge in Mobile	CONTRACTOR Dutra Dredging Company	REPORT NO. 52
DREDGE	NAME AND TYPE M/V Columbia		DATE 24 Mar 2016 - Thursday

LOADS					
LOAD NUMBER	DREDGING AREA DISPOSAL AREA	START TIME STOP TIME (HH:MM)	PUMPING TURNING (MIN)	TO DUMP DUMPING TO CUT (MIN)	TOTAL TIME DREDGED AMOUNT AGITATED AMOUNT (MIN/CYS)
1	Sta 1120+00 to 1180+00 Mobile 102-SW	00:00 00:32	32 0	132 4 116	284 2,635 0
2	Sta 1120+00 to 1180+00 Mobile 102-SW	04:44 05:38	47 7	162 4 150	370 2,635 0
3	Sta 1120+00 to 1180+00 Mobile 102-SW	10:54 10:55	1 0	0 0 80	81 0 0

QC NARRATIVE(S)

GENERAL COMMENTS

735 Mnotes @ 100%
705 Minutes @ 70% Weather

QUALITY CONTROL REPORT-HOPPER DREDGE										PAGE NO. Page 105 of 494								
CONTRACT NO. W91278-16-D-0041 0001		CONTRACT TITLE IDIQ Rental Hopper Dredge in Mobile					CONTRACTOR Dutra Dredging Company			REPORT NO. 53								
CHARACTER OF REPORT		<input checked="" type="checkbox"/> MAINTENANCE <input type="checkbox"/> NEW WORK							DATE 25 Mar 2016 - Friday									
DREDGE (M/V Columbia)		HOPPER CAP: 4,387 CY		AVG VOL OF BIN WATER: 4,387 CY		AVG UNFILLED CAP: 4,387 CY												
		NO. OF CREW MEMBERS	DREDGE 13	OTHER PLANT 5	WORK SCHEDULE	SHIFTS PER DAY 2	DAYS PER WEEK 7											
LOCATION OF WORK		LOCATION CHANNEL Mobile Harbor		REACH DREDGED; STA TO STA Sta 1180+00 to 1240+00		DISPOSAL AREA USE Mobile 102 -SW		QTY DEPOSITED GROSS(CY) 2,635		CUMULATIVE AND QTY DEPOSIT FOR DA(CY) 450,585								
		AVG LENGTH OF CUT 6,000 FT		AVG WIDTH OF CUT 400 FT		AVG DIST TO DUMP 22 NM												
CHARACTER OF MATERIAL		DENSITY OF MATERIALS						GMS/LITER 1.045										
		DENSITY OF WATER			1.006			GMS/LITER@ 52 °F										
RIVER/TIDE STAGE		MIN 0	TIME 00:00	MAX 0	TIME 00:00	GAGE LOCATION Fowl River												
		MIN 0	TIME 00:00	MAX 0	TIME 00:00	GAGE DATUM MLLW												
WEATHER CONDITION		WEATHER			TEMP (min / max)		VISIBILITY		WIND									
		Weather Caused Critical Delay			56 °F / 73 °F		5		24									
DRAFT					DISTRIBUTION OF TIME AND MILES RUN													
FORWARD		LIGHT		LOADED				AGITATING (MIN)		DREDGE & HAUL (MIN)		MILES RUN (NAUT MI)						
		8		15		EFFECTIVE WORKING TIME:												
AFT		10		16		PUMPING:		00:00		00:34		0.0						
						TURNING:		00:00		00:00		0.0						
DRAG DEPTH MAX 49 MIN 44					TO DUMP:		00:00		01:51		0.0							
					CONNECTING:		00:00		00:00		0.0							
INDICATORS LAST CHECKED ON 02/23/2016					DUMPING:		00:00		00:04		0.0							
					DISCONNECTING:		00:00		00:00		0.0							
AVERAGE SPEED OF DREDGE DURING LOADING							FT/MIN		2		TO CUT:		00:00		02:46		0.0	
AVERAGE SPEED OF DREDGE DURING AGITATING							FT/MIN		0		TOTALS:		00:00		05:15		0.0	
GALLONS OF FUEL OIL CONSUMED							GAL		1,220		NON-EFFECTIVE WORKING TIME:							
GALLONS OF WATER CONSUMED							GAL		475		TAKING ON FUEL AND SUPPLIES:		00:00		07:40		0.0	
WORK PERFORMED											TO AND FROM WHARF OR ANCHORAGE:		00:00		02:30		0.0	
													LOSS DUE TO NATURAL ELEMENTS:		00:00		08:35	
DREDGING AND HAULING				AGITATING						LOSS DUE TO TRAFFIC AND BRIDGES		00:00		00:00		0.0		
NO. OF LOADS	TOTAL CYS	DISPOSAL AREA		TOTAL CYS						MINOR OPERATING REPAIRS:		00:00		00:00		0.0		
2	2,635	Mobile 102-SW		0						TRANSFERRING BETWEEN WORKS:		00:00		00:00		0.0		
										LAY TIME:		00:00		00:00		0.0		
										FIRE AND BOAT DRILLS:		00:00		00:00		0.0		
ATTENDANT PLANT											MISCELLANEOUS:		00:00		00:00		0.0	
													TOTALS:		00:00		18:45	
ITEM		NAME OR NUMBER		H.P.		HOURS		LOST TIME:										
40' Crewboat		Cape Anne		400		12:00												
										MAJOR REPAIRS AND ALTERATIONS:		00:00		00:00		0.0		
										CESSATION:		00:00		00:00		0.0		
										COLLISIONS:		00:00		00:00		0.0		
										TOTALS:		00:00		00:00		0.0		
										TOTAL TIME/MILES:		00:00		24:00		0.0		

QUALITY CONTROL REPORT-HOPPER DREDGE			PAGE NO. Page 106 of 494
CONTRACT NO. W91278-16-D-0041 0001	CONTRACT TITLE IDIQ Rental Hopper Dredge in Mobile	CONTRACTOR Dutra Dredging Company	REPORT NO. 53
DREDGE	NAME AND TYPE M/V Columbia		DATE 25 Mar 2016 - Friday

LOADS					
LOAD NUMBER	DREDGING AREA DISPOSAL AREA	START TIME STOP TIME (HH:MM)	PUMPING TURNING (MIN)	TO DUMP DUMPING TO CUT (MIN)	TOTAL TIME DREDGED AMOUNT AGITATED AMOUNT (MIN/CYS)
1	Sta 1180+00 to 1240+00 Mobile 102-SW	18:45 19:18	33 0	111 4 0	148 2,635 0
2	Sta 1180+00 to 1240+00 Mobile 102-SW	21:13 21:14	1 0	0 0 166	167 0 0

QC NARRATIVE(S)

GENERAL COMMENTS

315 Mminutes @ 100%
515 Minutes @ 70% Weather
610 Minutes @ 0% Fuel travel to and from dock

QUALITY CONTROL REPORT-HOPPER DREDGE										PAGE NO. Page 107 of 494								
CONTRACT NO. W91278-16-D-0041 0001		CONTRACT TITLE IDIQ Rental Hopper Dredge in Mobile					CONTRACTOR Dutra Dredging Company			REPORT NO. 54								
CHARACTER OF REPORT		<input checked="" type="checkbox"/> MAINTENANCE <input type="checkbox"/> NEW WORK							DATE 26 Mar 2016 - Saturday									
DREDGE (M/V Columbia)		HOPPER CAP: 4,387 CY		AVG VOL OF BIN WATER: 4,387 CY		AVG UNFILLED CAP: 4,387 CY												
		NO. OF CREW MEMBERS	DREDGE 13	OTHER PLANT 5	WORK SCHEDULE	SHIFTS PER DAY 2	DAYS PER WEEK 7											
LOCATION OF WORK		LOCATION CHANNEL Mobile Harbor		REACH DREDGED; STA TO STA Sta 1180+00 to 1240+00		DISPOSAL AREA USE Mobile 102 -SW		QTY DEPOSITED GROSS(CY) 2,635		CUMULATIVE AND QTY DEPOSIT FOR DA(CY) 453,220								
		AVG LENGTH OF CUT 6,000 FT		AVG WIDTH OF CUT 400 FT		AVG DIST TO DUMP 22 NM												
CHARACTER OF MATERIAL		DENSITY OF MATERIALS						GMS/LITER 1.045										
		DENSITY OF WATER			1.006			GMS/LITER@ 52 °F										
RIVER/TIDE STAGE		MIN 1	TIME 00:00	MAX 0	TIME 00:00	GAGE LOCATION Fowl River												
		MIN 0	TIME 00:00	MAX 0	TIME 00:00	GAGE DATUM MLLW												
WEATHER CONDITION		WEATHER			TEMP (min / max)		VISIBILITY		WIND									
		Weather Caused Critical Delay			59 °F / 73 °F		5		35									
DRAFT					DISTRIBUTION OF TIME AND MILES RUN													
FORWARD		LIGHT		LOADED				AGITATING (MIN)		DREDGE & HAUL (MIN)		MILES RUN (NAUT MI)						
		8		15		EFFECTIVE WORKING TIME:												
AFT		10		16		PUMPING:		00:00		01:03		0.0						
						TURNING:		00:00		00:00		0.0						
DRAG DEPTH MAX 49 MIN 44					TO DUMP:		00:00		03:35		0.0							
					CONNECTING:		00:00		00:00		0.0							
INDICATORS LAST CHECKED ON 02/23/2016					DUMPING:		00:00		00:04		0.0							
					DISCONNECTING:		00:00		00:00		0.0							
AVERAGE SPEED OF DREDGE DURING LOADING							FT/MIN		2		TO CUT:		00:00		02:42		0.0	
AVERAGE SPEED OF DREDGE DURING AGITATING							FT/MIN		0		TOTALS:		00:00		07:24		0.0	
GALLONS OF FUEL OIL CONSUMED							GAL		539		NON-EFFECTIVE WORKING TIME:							
GALLONS OF WATER CONSUMED							GAL		561		TAKING ON FUEL AND SUPPLIES:		00:00		00:00		0.0	
WORK PERFORMED											TO AND FROM WHARF OR ANCHORAGE:		00:00		00:00		0.0	
											LOSS DUE TO NATURAL ELEMENTS:		00:00		15:55		0.0	
DREDGING AND HAULING				AGITATING						LOSS DUE TO TRAFFIC AND BRIDGES		00:00		00:00		0.0		
NO. OF LOADS	TOTAL CYS	DISPOSAL AREA		TOTAL CYS						MINOR OPERATING REPAIRS:		00:00		00:41		0.0		
2	2,635	Mobile 102-SW		0						TRANSFERRING BETWEEN WORKS:		00:00		00:00		0.0		
										LAY TIME:		00:00		00:00		0.0		
										FIRE AND BOAT DRILLS:		00:00		00:00		0.0		
ATTENDANT PLANT											MISCELLANEOUS:		00:00		00:00		0.0	
											TOTALS:		00:00		16:36		0.0	
ITEM		NAME OR NUMBER		H.P.		HOURS		LOST TIME:										
40' Crewboat		Cape Anne		400		12:00												
										MAJOR REPAIRS AND ALTERATIONS:		00:00		00:00		0.0		
										CESSATION:		00:00		00:00		0.0		
										COLLISIONS:		00:00		00:00		0.0		
										TOTALS:		00:00		00:00		0.0		
										TOTAL TIME/MILES:		00:00		24:00		0.0		

QUALITY CONTROL REPORT-HOPPER DREDGE			PAGE NO. Page 108 of 494
CONTRACT NO. W91278-16-D-0041 0001	CONTRACT TITLE IDIQ Rental Hopper Dredge in Mobile	CONTRACTOR Dutra Dredging Company	REPORT NO. 54
DREDGE	NAME AND TYPE M/V Columbia	DATE 26 Mar 2016 - Saturday	

LOADS					
LOAD NUMBER	DREDGING AREA DISPOSAL AREA	START TIME STOP TIME (HH:MM)	PUMPING TURNING (MIN)	TO DUMP DUMPING TO CUT (MIN)	TOTAL TIME DREDGED AMOUNT AGITATED AMOUNT (MIN/CYS)
1	Sta 1180+00 to 1240+00 Mobile 102-SW	00:41 01:14	33 0	136 4 0	173 2,635 0
2	Sta 1180+00 to 1240+00 Mobile 102-SW	03:34 04:04	30 0	79 0 162	271 0 0

QC NARRATIVE(S)

GENERAL COMMENTS

444 Mminutes @ 100%
955 Minutes @ 70% Weather
41 Minutes @ 0% Minor Repairs

QUALITY CONTROL REPORT-HOPPER DREDGE										PAGE NO. Page 109 of 494								
CONTRACT NO. W91278-16-D-0041 0001		CONTRACT TITLE IDIQ Rental Hopper Dredge in Mobile					CONTRACTOR Dutra Dredging Company			REPORT NO. 55								
CHARACTER OF REPORT		<input checked="" type="checkbox"/> MAINTENANCE <input type="checkbox"/> NEW WORK							DATE 27 Mar 2016 - Sunday									
DREDGE (M/V Columbia)		HOPPER CAP: 4,387 CY		AVG VOL OF BIN WATER: 4,387 CY		AVG UNFILLED CAP: 4,387 CY												
		NO. OF CREW MEMBERS	DREDGE 13	OTHER PLANT 5	WORK SCHEDULE	SHIFTS PER DAY 2	DAYS PER WEEK 7											
LOCATION OF WORK		LOCATION CHANNEL Mobile Harbor		REACH DREDGED; STA TO STA Sta 1180+00 to 1240+00		DISPOSAL AREA USE Mobile 102 -SW		QTY DEPOSITED GROSS(CY) 5,270		CUMULATIVE AND QTY DEPOSIT FOR DA(CY) 458,490								
		AVG LENGTH OF CUT 6,000 FT		AVG WIDTH OF CUT 400 FT		AVG DIST TO DUMP 22 NM												
CHARACTER OF MATERIAL		DENSITY OF MATERIALS						GMS/LITER 1.045										
		DENSITY OF WATER			1.006			GMS/LITER@ 52 °F										
RIVER/TIDE STAGE		MIN 0	TIME 00:00	MAX 0	TIME 00:00	GAGE LOCATION Fowl River												
		MIN 0	TIME 00:00	MAX 0	TIME 00:00	GAGE DATUM MLLW												
WEATHER CONDITION		WEATHER			TEMP (min / max)		VISIBILITY		WIND									
		Weather Caused Critical Delay			64 °F / 70 °F		5		35									
DRAFT					DISTRIBUTION OF TIME AND MILES RUN													
FORWARD		LIGHT		LOADED				AGITATING (MIN)		DREDGE & HAUL (MIN)		MILES RUN (NAUT MI)						
		8		15		EFFECTIVE WORKING TIME:												
AFT		10		16		PUMPING:		00:00		01:00		0.0						
						TURNING:		00:00		00:00		0.0						
DRAG DEPTH MAX 49 MIN 44					TO DUMP:		00:00		03:56		0.0							
					CONNECTING:		00:00		00:00		0.0							
INDICATORS LAST CHECKED ON 02/23/2016					DUMPING:		00:00		00:08		0.0							
					DISCONNECTING:		00:00		00:00		0.0							
AVERAGE SPEED OF DREDGE DURING LOADING							FT/MIN		2		TO CUT:		00:00		05:11		0.0	
AVERAGE SPEED OF DREDGE DURING AGITATING							FT/MIN		0		TOTALS:		00:00		10:15		0.0	
GALLONS OF FUEL OIL CONSUMED							GAL		2,493		NON-EFFECTIVE WORKING TIME:							
GALLONS OF WATER CONSUMED							GAL		748		TAKING ON FUEL AND SUPPLIES:		00:00		00:00		0.0	
WORK PERFORMED											TO AND FROM WHARF OR ANCHORAGE:		00:00		00:00		0.0	
											LOSS DUE TO NATURAL ELEMENTS:		00:00		13:45		0.0	
DREDGING AND HAULING				AGITATING						LOSS DUE TO TRAFFIC AND BRIDGES		00:00		00:00		0.0		
NO. OF LOADS		TOTAL CYS		DISPOSAL AREA		TOTAL CYS				MINOR OPERATING REPAIRS:		00:00		00:00		0.0		
3		5,270		Mobile 102-SW		0				TRANSFERRING BETWEEN WORKS:		00:00		00:00		0.0		
										LAY TIME:		00:00		00:00		0.0		
										FIRE AND BOAT DRILLS:		00:00		00:00		0.0		
ATTENDANT PLANT											MISCELLANEOUS:		00:00		00:00		0.0	
											TOTALS:		00:00		13:45		0.0	
ITEM		NAME OR NUMBER			H.P.		HOURS		LOST TIME:									
40' Crewboat		Cape Anne			400		12:00				MAJOR REPAIRS AND ALTERATIONS:		00:00		00:00		0.0	
											CESSATION:		00:00		00:00		0.0	
											COLLISIONS:		00:00		00:00		0.0	
											TOTALS:		00:00		00:00		0.0	
											TOTAL TIME/MILES:		00:00		24:00		0.0	

QUALITY CONTROL REPORT-HOPPER DREDGE			PAGE NO. Page 110 of 494
CONTRACT NO. W91278-16-D-0041 0001	CONTRACT TITLE IDIQ Rental Hopper Dredge in Mobile	CONTRACTOR Dutra Dredging Company	REPORT NO. 55
DREDGE	NAME AND TYPE M/V Columbia	DATE 27 Mar 2016 - Sunday	

LOADS					
LOAD NUMBER	DREDGING AREA DISPOSAL AREA	START TIME STOP TIME (HH:MM)	PUMPING TURNING (MIN)	TO DUMP DUMPING TO CUT (MIN)	TOTAL TIME DREDGED AMOUNT AGITATED AMOUNT (MIN/CYS)
1	Sta 1180+00 to 1240+00 Mobile 102-SW	13:45 13:46	1 0	55 4 0	60 2,635 0
2	Sta 1180+00 to 1240+00 Mobile 102-SW	14:45 15:14	29 0	127 4 156	316 2,635 0
3	Sta 1180+00 to 1240+00 Mobile 102-SW	20:01 20:31	30 0	54 0 155	239 0 0

QC NARRATIVE(S)

GENERAL COMMENTS

615 Mnotes @ 100%
825 Minutes @ 70% Weather

QUALITY CONTROL REPORT-HOPPER DREDGE								PAGE NO.			
		Page 111 of 494									
CONTRACT NO. W91278-16-D-0041 0001		CONTRACT TITLE IDIQ Rental Hopper Dredge in Mobile				CONTRACTOR Dutra Dredging Company		REPORT NO. 56			
CHARACTER OF REPORT		<input checked="" type="checkbox"/> MAINTENANCE <input type="checkbox"/> NEW WORK				DATE 28 Mar 2016 - Monday					
DREDGE (M/V Columbia)		HOPPER CAP: 4,387 CY		AVG VOL OF BIN WATER: 4,387 CY		AVG UNFILLED CAP: 4,387 CY					
		NO. OF CREW MEMBERS	DREDGE 13	OTHER PLANT 5	WORK SCHEDULE	SHIFTS PER DAY 2	DAYS PER WEEK 7				
LOCATION OF WORK		LOCATION CHANNEL Mobile Harbor		REACH DREDGED; STA TO STA Sta 1180+00 to 1240+00		DISPOSAL AREA USE Mobile 102 -SW		QTY DEPOSITED GROSS(CY) 13,175			
								CUMULATIVE AND QTY DEPOSIT FOR DA(CY) 471,665			
		AVG LENGTH OF CUT 6,000 FT		AVG WIDTH OF CUT 400 FT		AVG DIST TO DUMP 22 NM					
CHARACTER OF MATERIAL		DENSITY OF MATERIALS				GMS/LITER 1.045					
		DENSITY OF WATER		1.006		GMS/LITER@ 52 °F					
RIVER/TIDE STAGE		MIN 0	TIME 00:00	MAX 0	TIME 00:00	GAGE LOCATION Fowl River					
		MIN 0	TIME 00:00	MAX 0	TIME 00:00	GAGE DATUM MLLW					
WEATHER CONDITION		WEATHER Weather Caused No Delay		TEMP (min / max) 63 °F / 79 °F		VISIBILITY 10		WIND 17			
DRAFT				DISTRIBUTION OF TIME AND MILES RUN							
FORWARD		LIGHT	LOADED				AGITATING (MIN)	DREDGE & HAUL (MIN)	MILES RUN (NAUT MI)		
		8	15		EFFECTIVE WORKING TIME:						
AFT		10	16		PUMPING: 00:00 02:25 0.0						
					TURNING: 00:00 00:05 0.0						
DRAG DEPTH MAX 49 MIN 44					TO DUMP: 00:00 09:53 0.0						
INDICATORS LAST CHECKED ON 02/23/2016					CONNECTING: 00:00 00:00 0.0						
AVERAGE SPEED OF DREDGE DURING LOADING					FT/MIN 2		DUMPING: 00:00 00:20 0.0				
AVERAGE SPEED OF DREDGE DURING AGITATING					FT/MIN 0		DISCONNECTING: 00:00 00:00 0.0				
GALLONS OF FUEL OIL CONSUMED					GAL 2,763		TO CUT: 00:00 11:17 0.0				
GALLONS OF WATER CONSUMED					GAL 496		TOTALS: 00:00 24:00 0.0				
WORK PERFORMED				NON-EFFECTIVE WORKING TIME:							
DREDGING AND HAULING				AGITATING		TAKING ON FUEL AND SUPPLIES: 00:00 00:00 0.0					
NO. OF LOADS	TOTAL CYS	DISPOSAL AREA	TOTAL CYS		TO AND FROM WHARF OR ANCHORAGE: 00:00 00:00 0.0						
6	13,175	Mobile 102-SW	0		LOSS DUE TO NATURAL ELEMENTS: 00:00 00:00 0.0						
					LOSS DUE TO TRAFFIC AND BRIDGES 00:00 00:00 0.0						
					MINOR OPERATING REPAIRS: 00:00 00:00 0.0						
					TRANSFERRING BETWEEN WORKS: 00:00 00:00 0.0						
					LAY TIME: 00:00 00:00 0.0						
					FIRE AND BOAT DRILLS: 00:00 00:00 0.0						
ATTENDANT PLANT				MISCELLANEOUS: 00:00 00:00 0.0							
ITEM	NAME OR NUMBER		H.P.	HOURS	TOTALS: 00:00 00:00 0.0						
40' Crewboat	Cape Anne		400	12:00	LOST TIME:						
					MAJOR REPAIRS AND ALTERATIONS: 00:00 00:00 0.0						
					CESSATION: 00:00 00:00 0.0						
					COLLISIONS: 00:00 00:00 0.0						
					TOTALS: 00:00 00:00 0.0						
					TOTAL TIME/MILES: 00:00 24:00 0.0						

QUALITY CONTROL REPORT-HOPPER DREDGE					PAGE NO. Page 112 of 494	
CONTRACT NO. W91278-16-D-0041 0001		CONTRACT TITLE IDIQ Rental Hopper Dredge in Mobile		CONTRACTOR Dutra Dredging Company		REPORT NO. 56
DREDGE		NAME AND TYPE M/V Columbia			DATE 28 Mar 2016 - Monday	
LOADS						
LOAD NUMBER	DREDGING AREA DISPOSAL AREA	START TIME STOP TIME (HH:MM)	PUMPING TURNING (MIN)	TO DUMP DUMPING TO CUT (MIN)	TOTAL TIME DREDGED AMOUNT AGITATED AMOUNT (MIN/CYS)	
1	Sta 1180+00 to 1240+00 Mobile 102-SW	00:00 00:01	1 0	80 4 0	85 2,635 0	
2	Sta 1180+00 to 1240+00 Mobile 102-SW	01:25 02:00	35 0	116 4 139	294 2,635 0	
3	Sta 1180+00 to 1240+00 Mobile 102-SW	06:19 06:50	31 0	129 4 140	304 2,635 0	
4	Sta 1180+00 to 1240+00 Mobile 102-SW	11:23 12:07	39 5	120 4 132	300 2,635 0	
5	Sta 1180+00 to 1240+00 Mobile 102-SW	16:23 17:01	38 0	148 4 133	323 2,635 0	
6	Sta 1180+00 to 1240+00 Mobile 102-SW	21:46 21:47	1 0	0 0 133	134 0 0	
QC NARRATIVE(S) GENERAL COMMENTS 1440 minutes @ 100%						

QUALITY CONTROL REPORT-HOPPER DREDGE										PAGE NO. Page 113 of 494								
CONTRACT NO. W91278-16-D-0041 0001		CONTRACT TITLE IDIQ Rental Hopper Dredge in Mobile					CONTRACTOR Dutra Dredging Company			REPORT NO. 57								
CHARACTER OF REPORT		<input checked="" type="checkbox"/> MAINTENANCE <input type="checkbox"/> NEW WORK							DATE 29 Mar 2016 - Tuesday									
DREDGE (M/V Columbia)		HOPPER CAP: 4,387 CY		AVG VOL OF BIN WATER: 4,387 CY		AVG UNFILLED CAP: 4,387 CY												
		NO. OF CREW MEMBERS	DREDGE 13	OTHER PLANT 5	WORK SCHEDULE	SHIFTS PER DAY 2	DAYS PER WEEK 7											
LOCATION OF WORK		LOCATION CHANNEL Mobile Harbor		REACH DREDGED; STA TO STA Sta 1180+00 to 1240+00		DISPOSAL AREA USE Mobile 102 -SW		QTY DEPOSITED GROSS(CY) 13,175		CUMULATIVE AND QTY DEPOSIT FOR DA(CY) 484,840								
		AVG LENGTH OF CUT 6,000 FT		AVG WIDTH OF CUT 400 FT		AVG DIST TO DUMP 22 NM												
CHARACTER OF MATERIAL		DENSITY OF MATERIALS						GMS/LITER 1.045										
		DENSITY OF WATER			1.006			GMS/LITER@ 52 °F										
RIVER/TIDE STAGE		MIN 0	TIME 00:00	MAX 0	TIME 00:00	GAGE LOCATION Fowl River												
		MIN 1	TIME 00:00	MAX 0	TIME 00:00	GAGE DATUM MLLW												
WEATHER CONDITION		WEATHER			TEMP (min / max)		VISIBILITY		WIND									
		Weather Caused No Delay			56 °F / 77 °F		10		26									
DRAFT					DISTRIBUTION OF TIME AND MILES RUN													
FORWARD		LIGHT		LOADED				AGITATING (MIN)		DREDGE & HAUL (MIN)		MILES RUN (NAUT MI)						
		8		15		EFFECTIVE WORKING TIME:												
AFT		10		16		PUMPING:		00:00		02:44		0.0						
						TURNING:		00:00		00:00		0.0						
DRAG DEPTH MAX 49 MIN 44					TO DUMP:		00:00		10:54		0.0							
					CONNECTING:		00:00		00:00		0.0							
INDICATORS LAST CHECKED ON 02/23/2016					DUMPING:		00:00		00:20		0.0							
					DISCONNECTING:		00:00		00:00		0.0							
AVERAGE SPEED OF DREDGE DURING LOADING							FT/MIN		2		TO CUT:		00:00		10:02		0.0	
AVERAGE SPEED OF DREDGE DURING AGITATING							FT/MIN		0		TOTALS:		00:00		24:00		0.0	
GALLONS OF FUEL OIL CONSUMED							GAL		2,780		NON-EFFECTIVE WORKING TIME:							
GALLONS OF WATER CONSUMED							GAL		496		TAKING ON FUEL AND SUPPLIES:		00:00		00:00		0.0	
WORK PERFORMED											TO AND FROM WHARF OR ANCHORAGE:		00:00		00:00		0.0	
													LOSS DUE TO NATURAL ELEMENTS:		00:00		00:00	
DREDGING AND HAULING											LOSS DUE TO TRAFFIC AND BRIDGES		00:00		00:00		0.0	
NO. OF LOADS		TOTAL CYS		DISPOSAL AREA		TOTAL CYS				MINOR OPERATING REPAIRS:		00:00		00:00		0.0		
6		13,175		Mobile 102-SW		0				TRANSFERRING BETWEEN WORKS:		00:00		00:00		0.0		
										LAY TIME:		00:00		00:00		0.0		
										FIRE AND BOAT DRILLS:		00:00		00:00		0.0		
ATTENDANT PLANT											MISCELLANEOUS:		00:00		00:00		0.0	
													TOTALS:		00:00		00:00	
ITEM		NAME OR NUMBER			H.P.		HOURS		LOST TIME:									
40' Crewboat		Cape Anne			400		12:00				MAJOR REPAIRS AND ALTERATIONS:		00:00		00:00		0.0	
											CESSATION:		00:00		00:00		0.0	
											COLLISIONS:		00:00		00:00		0.0	
											TOTALS:		00:00		00:00		0.0	
											TOTAL TIME/MILES:		00:00		24:00		0.0	

QUALITY CONTROL REPORT-HOPPER DREDGE			PAGE NO. Page 114 of 494
CONTRACT NO. W91278-16-D-0041 0001	CONTRACT TITLE IDIQ Rental Hopper Dredge in Mobile	CONTRACTOR Dutra Dredging Company	REPORT NO. 57
DREDGE	NAME AND TYPE M/V Columbia	DATE 29 Mar 2016 - Tuesday	

LOADS					
LOAD NUMBER	DREDGING AREA DISPOSAL AREA	START TIME STOP TIME (HH:MM)	PUMPING TURNING (MIN)	TO DUMP DUMPING TO CUT (MIN)	TOTAL TIME DREDGED AMOUNT AGITATED AMOUNT (MIN/CYS)
1	Sta 1180+00 to 1240+00 Mobile 102-SW	00:00 00:32	32 0	127 4 0	163 2,635 0
2	Sta 1180+00 to 1240+00 Mobile 102-SW	02:43 03:18	35 0	121 4 137	297 2,635 0
3	Sta 1180+00 to 1240+00 Mobile 102-SW	07:40 08:14	34 0	153 4 116	307 2,635 0
4	Sta 1180+00 to 1240+00 Mobile 102-SW	12:47 13:19	32 0	121 4 130	287 2,635 0
5	Sta 1180+00 to 1240+00 Mobile 102-SW	17:34 18:04	30 0	132 4 127	293 2,635 0
6	Sta 1180+00 to 1240+00 Mobile 102-SW	22:27 22:28	1 0	0 0 92	93 0 0

QC NARRATIVE(S)

GENERAL COMMENTS

1440 minutes @ 100%

QUALITY CONTROL REPORT-HOPPER DREDGE										PAGE NO. Page 115 of 494	
CONTRACT NO. W91278-16-D-0041 0001		CONTRACT TITLE IDIQ Rental Hopper Dredge in Mobile					CONTRACTOR Dutra Dredging Company			REPORT NO. 58	
CHARACTER OF REPORT		<input checked="" type="checkbox"/> MAINTENANCE <input type="checkbox"/> NEW WORK							DATE 30 Mar 2016 - Wednesday		
DREDGE (M/V Columbia)		HOPPER CAP: 4,387 CY		AVG VOL OF BIN WATER: 4,387 CY		AVG UNFILLED CAP: 4,387 CY					
		NO. OF CREW MEMBERS	DREDGE 13	OTHER PLANT 5	WORK SCHEDULE	SHIFTS PER DAY 2	DAYS PER WEEK 7				
LOCATION OF WORK		LOCATION CHANNEL Mobile Harbor	REACH DREDGED; STA TO STA Sta 1180+00 to 1240+00		DISPOSAL AREA USE Mobile 102 -SW		QTY DEPOSITED GROSS(CY) 10,540	CUMULATIVE AND QTY DEPOSIT FOR DA(CY) 495,380			
		AVG LENGTH OF CUT 6,000 FT		AVG WIDTH OF CUT 400 FT		AVG DIST TO DUMP 22 NM					
CHARACTER OF MATERIAL		DENSITY OF MATERIALS					GMS/LITER 1.045				
		DENSITY OF WATER			1.006		GMS/LITER@ 52 °F				
RIVER/TIDE STAGE		MIN 0	TIME 00:00	MAX 0	TIME 00:00	GAGE LOCATION Fowl River					
		MIN 0	TIME 00:00	MAX 0	TIME 00:00	GAGE DATUM MLLW					
WEATHER CONDITION		WEATHER Weather Caused No Delay		TEMP (min / max) 64 °F / 75 °F		VISIBILITY 10		WIND 17			
DRAFT					DISTRIBUTION OF TIME AND MILES RUN						
FORWARD		LIGHT		LOADED				AGITATING (MIN)	DREDGE & HAUL (MIN)	MILES RUN (NAUT MI)	
		8		15		EFFECTIVE WORKING TIME:					
AFT						PUMPING:					
		10		16		00:00		02:28	0.0		
DRAG DEPTH MAX 49 MIN 44					TURNING:		00:00		00:08	0.0	
INDICATORS LAST CHECKED ON 02/23/2016					TO DUMP:		00:00		10:04	0.0	
AVERAGE SPEED OF DREDGE DURING LOADING				FT/MIN	CONNECTING:		00:00		00:00	0.0	
				2	DUMPING:		00:00		00:16	0.0	
AVERAGE SPEED OF DREDGE DURING AGITATING				FT/MIN	DISCONNECTING:		00:00		00:00	0.0	
				0	TO CUT:		00:00		10:15	0.0	
GALLONS OF FUEL OIL CONSUMED				GAL	TOTALS:		00:00		23:11	0.0	
				2,619	NON-EFFECTIVE WORKING TIME:						
GALLONS OF WATER CONSUMED				GAL	TAKING ON FUEL AND SUPPLIES:		00:00		00:00	0.0	
				935	TO AND FROM WHARF OR ANCHORAGE:		00:00		00:00	0.0	
WORK PERFORMED					LOSS DUE TO NATURAL ELEMENTS:		00:00		00:00	0.0	
DREDGING AND HAULING				AGITATING		LOSS DUE TO TRAFFIC AND BRIDGES		00:00		00:00	0.0
NO. OF LOADS	TOTAL CYS	DISPOSAL AREA		TOTAL CYS		MINOR OPERATING REPAIRS:		00:00		00:49	0.0
5	10,540	Mobile 102-SW		0		TRANSFERRING BETWEEN WORKS:		00:00		00:00	0.0
						LAY TIME:		00:00		00:00	0.0
						FIRE AND BOAT DRILLS:		00:00		00:00	0.0
ATTENDANT PLANT					MISCELLANEOUS:		00:00		00:00	0.0	
ITEM	NAME OR NUMBER		H.P.	HOURS	TOTALS:		00:00		00:49	0.0	
40' Crewboat	Cape Anne		400	12:00	LOST TIME:						
					MAJOR REPAIRS AND ALTERATIONS:		00:00		00:00	0.0	
					CESSATION:		00:00		00:00	0.0	
					COLLISIONS:		00:00		00:00	0.0	
					TOTALS:		00:00		00:00	0.0	
					TOTAL TIME/MILES:		00:00		24:00	0.0	

QUALITY CONTROL REPORT-HOPPER DREDGE					PAGE NO. <div>Page 116 of 494</div>	
CONTRACT NO. W91278-16-D-0041 0001		CONTRACT TITLE IDIQ Rental Hopper Dredge in Mobile		CONTRACTOR Dutra Dredging Company		REPORT NO. 58
DREDGE		NAME AND TYPE M/V Columbia			DATE 30 Mar 2016 - Wednesday	
LOADS						
LOAD NUMBER	DREDGING AREA DISPOSAL AREA	START TIME STOP TIME (HH:MM)	PUMPING TURNING (MIN)	TO DUMP DUMPING TO CUT (MIN)	TOTAL TIME DREDGED AMOUNT AGITATED AMOUNT (MIN/CYS)	
1	Sta 1180+00 to 1240+00 Mobile 102-SW	00:00 00:29	29 0	123 4 36	192 2,635 0	
2	Sta 1180+00 to 1240+00 Mobile 102-SW	03:12 03:45	33 0	122 4 120	279 2,635 0	
3	Sta 1180+00 to 1240+00 Mobile 102-SW	07:51 08:22	31 0	124 4 144	303 2,635 0	
4	Sta 1180+00 to 1240+00 Mobile 102-SW	13:14 13:42	28 0	114 4 162	308 2,635 0	
5	Sta 1180+00 to 1240+00 Mobile 102-SW	18:22 18:57	27 8	121 0 153	309 0 0	
QC NARRATIVE(S) GENERAL COMMENTS 1391 Mnutes @ 100% 49 Minutes @ 0% Miinor Repairs						

QUALITY CONTROL REPORT-HOPPER DREDGE										PAGE NO. Page 117 of 494								
CONTRACT NO. W91278-16-D-0041 0001		CONTRACT TITLE IDIQ Rental Hopper Dredge in Mobile					CONTRACTOR Dutra Dredging Company			REPORT NO. 59								
CHARACTER OF REPORT		<input checked="" type="checkbox"/> MAINTENANCE <input type="checkbox"/> NEW WORK							DATE 31 Mar 2016 - Thursday									
DREDGE (M/V Columbia)		HOPPER CAP: 4,387 CY		AVG VOL OF BIN WATER: 4,387 CY			AVG UNFILLED CAP: 4,387 CY											
		NO. OF CREW MEMBERS	DREDGE 13	OTHER PLANT 5	WORK SCHEDULE	SHIFTS PER DAY 2		DAYS PER WEEK 7										
LOCATION OF WORK		LOCATION CHANNEL Mobile Harbor		REACH DREDGED; STA TO STA Sta 1180+00 to 1240+00		DISPOSAL AREA USE Mobile 102 -SW		QTY DEPOSITED GROSS(CY) 13,175		CUMULATIVE AND QTY DEPOSIT FOR DA(CY) 508,555								
		AVG LENGTH OF CUT 6,000 FT			AVG WIDTH OF CUT 400 FT			AVG DIST TO DUMP 22 NM										
CHARACTER OF MATERIAL		DENSITY OF MATERIALS						GMS/LITER 1.045										
		DENSITY OF WATER			1.006			GMS/LITER@ 52 °F										
RIVER/TIDE STAGE		MIN 1	TIME 00:00	MAX 0	TIME 00:00	GAGE LOCATION Fowl River												
		MIN 0	TIME 00:00	MAX 0	TIME 00:00	GAGE DATUM MLLW												
WEATHER CONDITION		WEATHER Weather Caused No Delay			TEMP (min / max) 69 °F / 79 °F		VISIBILITY 10		WIND 10									
DRAFT					DISTRIBUTION OF TIME AND MILES RUN													
FORWARD		LIGHT		LOADED				AGITATING (MIN)		DREDGE & HAUL (MIN)		MILES RUN (NAUT MI)						
		8		15		EFFECTIVE WORKING TIME:												
AFT		10		16		PUMPING:		00:00		02:30		0.0						
						TURNING:		00:00		00:00		0.0						
DRAG DEPTH MAX 49 MIN 44					TO DUMP:		00:00		09:27		0.0							
					CONNECTING:		00:00		00:00		0.0							
INDICATORS LAST CHECKED ON 02/23/2016					DUMPING:		00:00		00:20		0.0							
					DISCONNECTING:		00:00		00:00		0.0							
AVERAGE SPEED OF DREDGE DURING LOADING							FT/MIN		2		TO CUT:		00:00		11:43		0.0	
AVERAGE SPEED OF DREDGE DURING AGITATING							FT/MIN		0		TOTALS:		00:00		24:00		0.0	
GALLONS OF FUEL OIL CONSUMED							GAL		2,846		NON-EFFECTIVE WORKING TIME:							
GALLONS OF WATER CONSUMED							GAL		748		TAKING ON FUEL AND SUPPLIES:		00:00		00:00		0.0	
WORK PERFORMED											TO AND FROM WHARF OR ANCHORAGE:		00:00		00:00		0.0	
													LOSS DUE TO NATURAL ELEMENTS:		00:00		00:00	
DREDGING AND HAULING				AGITATING						LOSS DUE TO TRAFFIC AND BRIDGES		00:00		00:00		0.0		
NO. OF LOADS	TOTAL CYS	DISPOSAL AREA		TOTAL CYS						MINOR OPERATING REPAIRS:		00:00		00:00		0.0		
6	13,175	Mobile 102-SW		0						TRANSFERRING BETWEEN WORKS:		00:00		00:00		0.0		
										LAY TIME:		00:00		00:00		0.0		
										FIRE AND BOAT DRILLS:		00:00		00:00		0.0		
ATTENDANT PLANT											MISCELLANEOUS:		00:00		00:00		0.0	
													TOTALS:		00:00		00:00	
ITEM		NAME OR NUMBER		H.P.		HOURS		LOST TIME:										
40' Crewboat		Cape Anne		400		12:00												
										MAJOR REPAIRS AND ALTERATIONS:		00:00		00:00		0.0		
										CESSATION:		00:00		00:00		0.0		
										COLLISIONS:		00:00		00:00		0.0		
										TOTALS:		00:00		00:00		0.0		
										TOTAL TIME/MILES:		00:00		24:00		0.0		

QUALITY CONTROL REPORT-HOPPER DREDGE					PAGE NO. Page 118 of 494	
CONTRACT NO. W91278-16-D-0041 0001		CONTRACT TITLE IDIQ Rental Hopper Dredge in Mobile		CONTRACTOR Dutra Dredging Company		REPORT NO. 59
DREDGE		NAME AND TYPE M/V Columbia			DATE 31 Mar 2016 - Thursday	
LOADS						
LOAD NUMBER	DREDGING AREA DISPOSAL AREA	START TIME STOP TIME (HH:MM)	PUMPING TURNING (MIN)	TO DUMP DUMPING TO CUT (MIN)	TOTAL TIME DREDGED AMOUNT AGITATED AMOUNT (MIN/CYS)	
1	Sta 1180+00 to 1240+00 Mobile 102-SW	00:00 00:01	1 0	1 4 0	6 2,635 0	
2	Sta 1180+00 to 1240+00 Mobile 102-SW	00:06 00:39	33 0	143 4 134	314 2,635 0	
3	Sta 1180+00 to 1240+00 Mobile 102-SW	05:20 05:50	30 0	131 4 139	304 2,635 0	
4	Sta 1180+00 to 1240+00 Mobile 102-SW	10:24 10:56	32 0	132 4 140	308 2,635 0	
5	Sta 1180+00 to 1240+00 Mobile 102-SW	15:32 16:00	28 0	152 4 130	314 2,635 0	
6	Sta 1180+00 to 1240+00 Mobile 102-SW	20:46 21:12	26 0	8 0 160	194 0 0	
QC NARRATIVE(S) GENERAL COMMENTS 1440 Mnotes @ 100%						

QUALITY CONTROL REPORT-HOPPER DREDGE										PAGE NO. Page 119 of 494									
CONTRACT NO. W91278-16-D-0041 0001		CONTRACT TITLE IDIQ Rental Hopper Dredge in Mobile					CONTRACTOR Dutra Dredging Company			REPORT NO. 60									
CHARACTER OF REPORT		<input checked="" type="checkbox"/> MAINTENANCE <input type="checkbox"/> NEW WORK							DATE 01 Apr 2016 - Friday										
DREDGE (M/V Columbia)		HOPPER CAP: 4,387 CY		AVG VOL OF BIN WATER: 4,387 CY		AVG UNFILLED CAP: 4,387 CY													
		NO. OF CREW MEMBERS	DREDGE 13	OTHER PLANT 5	WORK SCHEDULE	SHIFTS PER DAY 2	DAYS PER WEEK 7												
LOCATION OF WORK		LOCATION CHANNEL Mobile Harbor		REACH DREDGED; STA TO STA Sta 1180+00 to 1240+00		DISPOSAL AREA USE Mobile 102 -SW		QTY DEPOSITED GROSS(CY) 7,905		CUMULATIVE AND QTY DEPOSIT FOR DA(CY) 516,460									
		AVG LENGTH OF CUT 6,000 FT		AVG WIDTH OF CUT 400 FT		AVG DIST TO DUMP 22 NM													
CHARACTER OF MATERIAL		DENSITY OF MATERIALS						GMS/LITER 1.045											
		DENSITY OF WATER			1.006			GMS/LITER@ 52 °F											
RIVER/TIDE STAGE		MIN 0	TIME 00:00	MAX 0	TIME 00:00	GAGE LOCATION Fowl River													
		MIN 0	TIME 00:00	MAX 0	TIME 00:00	GAGE DATUM MLLW													
WEATHER CONDITION		WEATHER			TEMP (min / max)		VISIBILITY		WIND										
		Weather Caused Critical Delay			58 °F / 74 °F		0		31										
DRAFT					DISTRIBUTION OF TIME AND MILES RUN														
FORWARD		LIGHT		LOADED				AGITATING (MIN)		DREDGE & HAUL (MIN)		MILES RUN (NAUT MI)							
		8		15		EFFECTIVE WORKING TIME:													
AFT		10		16		PUMPING:		00:00		01:25		0.0							
						TURNING:		00:00		00:00		0.0							
DRAG DEPTH MAX 49 MIN 44					TO DUMP:		00:00		08:01		0.0								
					CONNECTING:		00:00		00:00		0.0								
INDICATORS LAST CHECKED ON 02/23/2016					DUMPING:		00:00		00:12		0.0								
					DISCONNECTING:		00:00		00:00		0.0								
AVERAGE SPEED OF DREDGE DURING LOADING							FT/MIN		2		TO CUT:		00:00		07:42		0.0		
AVERAGE SPEED OF DREDGE DURING AGITATING							FT/MIN		0		TOTALS:		00:00		17:20		0.0		
GALLONS OF FUEL OIL CONSUMED							GAL		2,389		NON-EFFECTIVE WORKING TIME:								
GALLONS OF WATER CONSUMED							GAL		561		TAKING ON FUEL AND SUPPLIES:		00:00		00:00		0.0		
WORK PERFORMED											TO AND FROM WHARF OR ANCHORAGE:		00:00		00:00		0.0		
											LOSS DUE TO NATURAL ELEMENTS:		00:00		06:25		0.0		
DREDGING AND HAULING				AGITATING						LOSS DUE TO TRAFFIC AND BRIDGES		00:00		00:15		0.0			
NO. OF LOADS	TOTAL CYS	DISPOSAL AREA		TOTAL CYS						MINOR OPERATING REPAIRS:		00:00		00:00		0.0			
4	7,905	Mobile 102-SW		0						TRANSFERRING BETWEEN WORKS:		00:00		00:00		0.0			
										LAY TIME:		00:00		00:00		0.0			
										FIRE AND BOAT DRILLS:		00:00		00:00		0.0			
ATTENDANT PLANT											MISCELLANEOUS:		00:00		00:00		0.0		
											TOTALS:		00:00		06:40		0.0		
ITEM		NAME OR NUMBER		H.P.		HOURS		LOST TIME:											
40' Crewboat		Cape Anne		400		12:00						MAJOR REPAIRS AND ALTERATIONS:		00:00		00:00		0.0	
												CESSATION:		00:00		00:00		0.0	
												COLLISIONS:		00:00		00:00		0.0	
												TOTALS:		00:00		00:00		0.0	
												TOTAL TIME/MILES:		00:00		24:00		0.0	

QUALITY CONTROL REPORT-HOPPER DREDGE			PAGE NO. Page 120 of 494
CONTRACT NO. W91278-16-D-0041 0001	CONTRACT TITLE IDIQ Rental Hopper Dredge in Mobile	CONTRACTOR Dutra Dredging Company	REPORT NO. 60
DREDGE	NAME AND TYPE M/V Columbia	DATE 01 Apr 2016 - Friday	

LOADS					
LOAD NUMBER	DREDGING AREA DISPOSAL AREA	START TIME STOP TIME (HH:MM)	PUMPING TURNING (MIN)	TO DUMP DUMPING TO CUT (MIN)	TOTAL TIME DREDGED AMOUNT AGITATED AMOUNT (MIN/CYS)
1	Sta 1180+00 to 1240+00 Mobile 102-SW	00:00 00:01	1 0	120 4 0	125 2,635 0
2	Sta 1180+00 to 1240+00 Mobile 102-SW	02:05 02:37	32 0	117 4 166	319 2,635 0
3	Sta 1180+00 to 1240+00 Mobile 102-SW	13:19 13:45	26 0	130 4 126	286 2,635 0
4	Sta 1180+00 to 1240+00 Mobile 102-SW	18:05 18:31	26 0	114 0 170	310 0 0

QC NARRATIVE(S)

GENERAL COMMENTS

1040 Minutes @ 100%
400 Minutes @ 70% for Weather and Traffic

QUALITY CONTROL REPORT-HOPPER DREDGE										PAGE NO. Page 121 of 494	
CONTRACT NO. W91278-16-D-0041 0001		CONTRACT TITLE IDIQ Rental Hopper Dredge in Mobile					CONTRACTOR Dutra Dredging Company			REPORT NO. 61	
CHARACTER OF REPORT		<input checked="" type="checkbox"/> MAINTENANCE <input type="checkbox"/> NEW WORK							DATE 02 Apr 2016 - Saturday		
DREDGE (M/V Columbia)		HOPPER CAP: 4,387 CY		AVG VOL OF BIN WATER: 4,387 CY		AVG UNFILLED CAP: 4,387 CY					
		NO. OF CREW MEMBERS	DREDGE 13	OTHER PLANT 5	WORK SCHEDULE	SHIFTS PER DAY 2	DAYS PER WEEK 7				
LOCATION OF WORK		LOCATION CHANNEL Mobile Harbor	REACH DREDGED; STA TO STA Sta 1180+00 to 1240+00		DISPOSAL AREA USE Mobile 102 -SW		QTY DEPOSITED GROSS(CY) 13,175	CUMULATIVE AND QTY DEPOSIT FOR DA(CY) 529,635			
		AVG LENGTH OF CUT 6,000 FT		AVG WIDTH OF CUT 400 FT		AVG DIST TO DUMP 22 NM					
CHARACTER OF MATERIAL		DENSITY OF MATERIALS					GMS/LITER 1.045				
		DENSITY OF WATER			1.006		GMS/LITER@ 52 °F				
RIVER/TIDE STAGE		MIN 0	TIME 00:00	MAX 0	TIME 00:00	GAGE LOCATION Fowl River					
		MIN 0	TIME 00:00	MAX 0	TIME 00:00	GAGE DATUM MLLW					
WEATHER CONDITION		WEATHER Weather Caused No Delay		TEMP (min / max) 52 °F / 71 °F		VISIBILITY 10		WIND 29			
DRAFT					DISTRIBUTION OF TIME AND MILES RUN						
FORWARD	LIGHT		LOADED			AGITATING (MIN)	DREDGE & HAUL (MIN)	MILES RUN (NAUT MI)			
	8		15		EFFECTIVE WORKING TIME:						
AFT	10		16		PUMPING:	00:00	02:26	0.0			
					TURNING:	00:00	02:17	0.0			
DRAG DEPTH MAX 49 MIN 44					TO DUMP:	00:00	08:17	0.0			
					CONNECTING:	00:00	00:00	0.0			
INDICATORS LAST CHECKED ON 02/23/2016					DUMPING:	00:00	02:19	0.0			
					DISCONNECTING:	00:00	00:00	0.0			
AVERAGE SPEED OF DREDGE DURING LOADING				FT/MIN	2	TO CUT:	00:00	08:41	0.0		
AVERAGE SPEED OF DREDGE DURING AGITATING				FT/MIN	0	TOTALS:	00:00	24:00	0.0		
GALLONS OF FUEL OIL CONSUMED				GAL	2,733	NON-EFFECTIVE WORKING TIME:					
GALLONS OF WATER CONSUMED				GAL	374	TAKING ON FUEL AND SUPPLIES:	00:00	00:00	0.0		
WORK PERFORMED					TO AND FROM WHARF OR ANCHORAGE:	00:00	00:00	0.0			
DREDGING AND HAULING				AGITATING	LOSS DUE TO NATURAL ELEMENTS:	00:00	00:00	0.0			
NO. OF LOADS	TOTAL CYS	DISPOSAL AREA	TOTAL CYS		LOSS DUE TO TRAFFIC AND BRIDGES	00:00	00:00	0.0			
6	13,175	Mobile 102-SW	0		MINOR OPERATING REPAIRS:	00:00	00:00	0.0			
					TRANSFERRING BETWEEN WORKS:	00:00	00:00	0.0			
					LAY TIME:	00:00	00:00	0.0			
					FIRE AND BOAT DRILLS:	00:00	00:00	0.0			
ATTENDANT PLANT					MISCELLANEOUS:	00:00	00:00	0.0			
ITEM	NAME OR NUMBER		H.P.	HOURS	TOTALS:	00:00	00:00	0.0			
40' Crewboat	Cape Anne		400	12:00	LOST TIME:						
					MAJOR REPAIRS AND ALTERATIONS:	00:00	00:00	0.0			
					CESSATION:	00:00	00:00	0.0			
					COLLISIONS:	00:00	00:00	0.0			
					TOTALS:	00:00	00:00	0.0			
					TOTAL TIME/MILES:	00:00	24:00	0.0			

QUALITY CONTROL REPORT-HOPPER DREDGE			PAGE NO. Page 122 of 494
CONTRACT NO. W91278-16-D-0041 0001	CONTRACT TITLE IDIQ Rental Hopper Dredge in Mobile	CONTRACTOR Dutra Dredging Company	REPORT NO. 61
DREDGE	NAME AND TYPE M/V Columbia	DATE 02 Apr 2016 - Saturday	

LOADS					
LOAD NUMBER	DREDGING AREA DISPOSAL AREA	START TIME STOP TIME (HH:MM)	PUMPING TURNING (MIN)	TO DUMP DUMPING TO CUT (MIN)	TOTAL TIME DREDGED AMOUNT AGITATED AMOUNT (MIN/CYS)
1	Sta 1180+00 to 1240+00 Mobile 102-SW	00:00 00:01	1 0	12 4 0	17 2,635 0
2	Sta 1180+00 to 1240+00 Mobile 102-SW	00:17 00:44	27 0	117 4 143	291 2,635 0
3	Sta 1180+00 to 1240+00 Mobile 102-SW	05:08 05:42	34 0	136 4 128	302 2,635 0
4	Sta 1180+00 to 1240+00 Mobile 102-SW	10:10 12:54	27 137	4 123 0	291 2,635 0
5	Sta 1180+00 to 1240+00 Mobile 102-SW	15:01 15:31	30 0	129 4 121	284 2,635 0
6	Sta 1180+00 to 1240+00 Mobile 102-SW	19:45 20:12	27 0	99 0 129	255 0 0

QC NARRATIVE(S)

GENERAL COMMENTS

1440 Mnotes @ 100%

QUALITY CONTROL REPORT-HOPPER DREDGE											PAGE NO. <div>Page 123 of 494</div>			
CONTRACT NO. W91278-16-D-0041 0001		CONTRACT TITLE IDIQ Rental Hopper Dredge in Mobile					CONTRACTOR Dutra Dredging Company				REPORT NO. 62			
CHARACTER OF REPORT		<input checked="" type="checkbox"/> MAINTENANCE <input type="checkbox"/> NEW WORK								DATE 03 Apr 2016 - Sunday				
DREDGE (M/V Columbia)		HOPPER CAP: 4,387 CY			AVG VOL OF BIN WATER: 4,387 CY			AVG UNFILLED CAP: 4,387 CY						
		NO. OF CREW MEMBERS	DREDGE 13	OTHER PLANT 5	WORK SCHEDULE	SHIFTS PER DAY 2	DAYS PER WEEK 7							
LOCATION OF WORK		LOCATION CHANNEL Mobile Harbor		REACH DREDGED; STA TO STA Sta 1180+00 to 1240+00		DISPOSAL AREA USE Mobile 102 -SW		QTY DEPOSITED GROSS(CY) 13,175		CUMULATIVE AND QTY DEPOSIT FOR DA(CY) 542,810				
		AVG LENGTH OF CUT 6,000 FT			AVG WIDTH OF CUT 400 FT			AVG DIST TO DUMP 22 NM						
CHARACTER OF MATERIAL		DENSITY OF MATERIALS						GMS/LITER 1.045						
		DENSITY OF WATER			1.006			GMS/LITER@ 52 °F						
RIVER/TIDE STAGE		MIN 0	TIME 00:00	MAX 0	TIME 00:00	GAGE LOCATION Fowl River								
		MIN 1	TIME 00:00	MAX 0	TIME 00:00	GAGE DATUM MLLW								
WEATHER CONDITION		WEATHER Weather Caused No Delay			TEMP (min / max) 48 °F / 74 °F		VISIBILITY 10		WIND 20					
DRAFT					DISTRIBUTION OF TIME AND MILES RUN									
FORWARD		LIGHT		LOADED				AGITATING (MIN)		DREDGE & HAUL (MIN)		MILES RUN (NAUT MI)		
		8		15		EFFECTIVE WORKING TIME:								
AFT		10		16		PUMPING:		00:00		02:38		0.0		
						TURNING:		00:00		00:00		0.0		
DRAG DEPTH MAX 49 MIN 44					TO DUMP:		00:00		10:42		0.0			
INDICATORS LAST CHECKED ON 02/23/2016					CONNECTING:		00:00		00:00		0.0			
AVERAGE SPEED OF DREDGE DURING LOADING					DUMPING:		00:00		00:46		0.0			
			FT/MIN 2		DISCONNECTING:		00:00		00:00		0.0			
AVERAGE SPEED OF DREDGE DURING AGITATING					TO CUT:		00:00		09:54		0.0			
			FT/MIN 0		TOTALS:		00:00		24:00		0.0			
GALLONS OF FUEL OIL CONSUMED					GAL 2,976		NON-EFFECTIVE WORKING TIME:							
GALLONS OF WATER CONSUMED					GAL 561		TAKING ON FUEL AND SUPPLIES:		00:00		00:00		0.0	
WORK PERFORMED					TO AND FROM WHARF OR ANCHORAGE:		00:00		00:00		0.0			
DREDGING AND HAULING			AGITATING		LOSS DUE TO NATURAL ELEMENTS:		00:00		00:00		0.0			
NO. OF LOADS	TOTAL CYS	DISPOSAL AREA		TOTAL CYS		LOSS DUE TO TRAFFIC AND BRIDGES		00:00		00:00		0.0		
6	13,175	Mobile 102-SW		0		MINOR OPERATING REPAIRS:		00:00		00:00		0.0		
						TRANSFERRING BETWEEN WORKS:		00:00		00:00		0.0		
						LAY TIME:		00:00		00:00		0.0		
						FIRE AND BOAT DRILLS:		00:00		00:00		0.0		
ATTENDANT PLANT					MISCELLANEOUS:		00:00		00:00		0.0			
ITEM	NAME OR NUMBER			H.P.	HOURS	TOTALS:		00:00		00:00		0.0		
40' Crewboat	Cape Anne			400	12:00	LOST TIME:								
						MAJOR REPAIRS AND ALTERATIONS:		00:00		00:00		0.0		
						CESSATION:		00:00		00:00		0.0		
						COLLISIONS:		00:00		00:00		0.0		
						TOTALS:		00:00		00:00		0.0		
						TOTAL TIME/MILES:		00:00		24:00		0.0		

QUALITY CONTROL REPORT-HOPPER DREDGE					PAGE NO. <div>Page 124 of 494</div>	
CONTRACT NO. W91278-16-D-0041 0001		CONTRACT TITLE IDIQ Rental Hopper Dredge in Mobile		CONTRACTOR Dutra Dredging Company		REPORT NO. 62
DREDGE		NAME AND TYPE M/V Columbia			DATE 03 Apr 2016 - Sunday	
LOADS						
LOAD NUMBER	DREDGING AREA DISPOSAL AREA	START TIME STOP TIME (HH:MM)	PUMPING TURNING (MIN)	TO DUMP DUMPING TO CUT (MIN)	TOTAL TIME DREDGED AMOUNT AGITATED AMOUNT (MIN/CYS)	
1	Sta 1180+00 to 1240+00 Mobile 102-SW	00:00 00:01	1 0	22 4 0	27 2,635 0	
2	Sta 1180+00 to 1240+00 Mobile 102-SW	00:27 00:58	31 0	121 4 135	291 2,635 0	
3	Sta 1180+00 to 1240+00 Mobile 102-SW	05:18 05:54	36 0	149 30 124	339 2,635 0	
4	Sta 1180+00 to 1240+00 Mobile 102-SW	10:57 11:32	35 0	132 4 106	277 2,635 0	
5	Sta 1180+00 to 1240+00 Mobile 102-SW	15:34 16:01	27 0	125 4 110	266 2,635 0	
6	Sta 1180+00 to 1240+00 Mobile 102-SW	20:00 20:28	28 0	93 0 119	240 0 0	
QC NARRATIVE(S) GENERAL COMMENTS 1440 Mnotes @ 100%						

QUALITY CONTROL REPORT-HOPPER DREDGE										PAGE NO. Page 125 of 494	
CONTRACT NO. W91278-16-D-0041 0001		CONTRACT TITLE IDIQ Rental Hopper Dredge in Mobile					CONTRACTOR Dutra Dredging Company			REPORT NO. 63	
CHARACTER OF REPORT		<input checked="" type="checkbox"/> MAINTENANCE <input type="checkbox"/> NEW WORK							DATE 04 Apr 2016 - Monday		
DREDGE (M/V Columbia)		HOPPER CAP: 4,387 CY		AVG VOL OF BIN WATER: 4,387 CY			AVG UNFILLED CAP: 4,387 CY				
		NO. OF CREW MEMBERS	DREDGE 13	OTHER PLANT 5	WORK SCHEDULE	SHIFTS PER DAY 2	DAYS PER WEEK 7				
LOCATION OF WORK		LOCATION CHANNEL Mobile Harbor	REACH DREDGED; STA TO STA Sta 1180+00 to 1240+00			DISPOSAL AREA USE Mobile 102 -SW	QTY DEPOSITED GROSS(CY) 15,810	CUMULATIVE AND QTY DEPOSIT FOR DA(CY) 558,620			
		AVG LENGTH OF CUT 6,000 FT		AVG WIDTH OF CUT 400 FT		AVG DIST TO DUMP 22 NM					
CHARACTER OF MATERIAL		DENSITY OF MATERIALS						GMS/LITER 1.045			
		DENSITY OF WATER			1.006			GMS/LITER@ 52 °F			
RIVER/TIDE STAGE		MIN 0	TIME 00:00	MAX 0	TIME 00:00	GAGE LOCATION Fowl River					
		MIN 1	TIME 00:00	MAX 0	TIME 00:00	GAGE DATUM MLLW					
WEATHER CONDITION		WEATHER Weather Caused No Delay		TEMP (min / max) 56 °F / 78 °F		VISIBILITY 10	WIND 24				
DRAFT					DISTRIBUTION OF TIME AND MILES RUN						
FORWARD	LIGHT		LOADED			AGITATING (MIN)	DREDGE & HAUL (MIN)	MILES RUN (NAUT MI)			
	8		15		EFFECTIVE WORKING TIME:						
AFT	10		16		PUMPING:	00:00	02:30	0.0			
DRAG DEPTH MAX 49 MIN 44					TURNING:	00:00	00:00	0.0			
					TO DUMP:	00:00	11:17	0.0			
INDICATORS LAST CHECKED ON 02/23/2016					CONNECTING:	00:00	00:00	0.0			
					DUMPING:	00:00	00:24	0.0			
AVERAGE SPEED OF DREDGE DURING LOADING				FT/MIN	DISCONNECTING:	00:00	00:00	0.0			
				2	TO CUT:	00:00	09:49	0.0			
AVERAGE SPEED OF DREDGE DURING AGITATING				FT/MIN	TOTALS:	00:00	24:00	0.0			
				0	NON-EFFECTIVE WORKING TIME:						
GALLONS OF FUEL OIL CONSUMED				GAL	TAKING ON FUEL AND SUPPLIES:	00:00	00:00	0.0			
				3,268	TO AND FROM WHARF OR ANCHORAGE:	00:00	00:00	0.0			
GALLONS OF WATER CONSUMED				GAL	LOSS DUE TO NATURAL ELEMENTS:	00:00	00:00	0.0			
				503	LOSS DUE TO TRAFFIC AND BRIDGES	00:00	00:00	0.0			
WORK PERFORMED					MINOR OPERATING REPAIRS:	00:00	00:00	0.0			
DREDGING AND HAULING				AGITATING	TRANSFERRING BETWEEN WORKS:	00:00	00:00	0.0			
NO. OF LOADS	TOTAL CYS	DISPOSAL AREA		TOTAL CYS	LAY TIME:	00:00	00:00	0.0			
7	15,810	Mobile 102-SW		0	FIRE AND BOAT DRILLS:	00:00	00:00	0.0			
					MISCELLANEOUS:	00:00	00:00	0.0			
					TOTALS:	00:00	00:00	0.0			
ATTENDANT PLANT					LOST TIME:						
ITEM	NAME OR NUMBER		H.P.	HOURS	MAJOR REPAIRS AND ALTERATIONS:	00:00	00:00	0.0			
40' Crewboat	Cape Anne		400	12:00	CESSATION:	00:00	00:00	0.0			
					COLLISIONS:	00:00	00:00	0.0			
					TOTALS:	00:00	00:00	0.0			
					TOTAL TIME/MILES:	00:00	24:00	0.0			

QUALITY CONTROL REPORT-HOPPER DREDGE			PAGE NO. Page 126 of 494
CONTRACT NO. W91278-16-D-0041 0001	CONTRACT TITLE IDIQ Rental Hopper Dredge in Mobile	CONTRACTOR Dutra Dredging Company	REPORT NO. 63
DREDGE	NAME AND TYPE M/V Columbia	DATE 04 Apr 2016 - Monday	

LOADS					
LOAD NUMBER	DREDGING AREA DISPOSAL AREA	START TIME STOP TIME (HH:MM)	PUMPING TURNING (MIN)	TO DUMP DUMPING TO CUT (MIN)	TOTAL TIME DREDGED AMOUNT AGITATED AMOUNT (MIN/CYS)
1	Sta 1180+00 to 1240+00 Mobile 102-SW	00:00 00:01	1 0	35 4 0	40 2,635 0
2	Sta 1180+00 to 1240+00 Mobile 102-SW	00:40 01:07	27 0	117 4 122	270 2,635 0
3	Sta 1180+00 to 1240+00 Mobile 102-SW	05:10 05:41	31 0	139 4 121	295 2,635 0
4	Sta 1180+00 to 1240+00 Mobile 102-SW	10:05 10:34	29 0	132 4 112	277 2,635 0
5	Sta 1180+00 to 1240+00 Mobile 102-SW	14:42 15:16	34 0	123 4 121	282 2,635 0
6	Sta 1180+00 to 1240+00 Mobile 102-SW	19:24 19:51	27 0	131 4 105	267 2,635 0
7	Sta 1180+00 to 1240+00 Mobile 102-SW	23:51 23:52	1 0	0 0 8	9 0 0

QC NARRATIVE(S)

GENERAL COMMENTS

1440 Mminutes @ 100%

QUALITY CONTROL REPORT-HOPPER DREDGE										PAGE NO. Page 127 of 494								
CONTRACT NO. W91278-16-D-0041 0001		CONTRACT TITLE IDIQ Rental Hopper Dredge in Mobile					CONTRACTOR Dutra Dredging Company			REPORT NO. 64								
CHARACTER OF REPORT		<input checked="" type="checkbox"/> MAINTENANCE <input type="checkbox"/> NEW WORK							DATE 05 Apr 2016 - Tuesday									
DREDGE (M/V Columbia)		HOPPER CAP: 4,387 CY		AVG VOL OF BIN WATER: 4,387 CY		AVG UNFILLED CAP: 4,387 CY												
		NO. OF CREW MEMBERS	DREDGE 13	OTHER PLANT 5	WORK SCHEDULE	SHIFTS PER DAY 2		DAYS PER WEEK 7										
LOCATION OF WORK		LOCATION CHANNEL Mobile Harbor		REACH DREDGED; STA TO STA Sta 1180+00 to 1240+00		DISPOSAL AREA USE Mobile 102 -SW		QTY DEPOSITED GROSS(CY) 13,175		CUMULATIVE AND QTY DEPOSIT FOR DA(CY) 571,795								
		AVG LENGTH OF CUT 6,000 FT		AVG WIDTH OF CUT 400 FT		AVG DIST TO DUMP 22 NM												
CHARACTER OF MATERIAL		DENSITY OF MATERIALS						GMS/LITER 1.045										
		DENSITY OF WATER			1.006			GMS/LITER@ 52 °F										
RIVER/TIDE STAGE		MIN 0	TIME 00:00	MAX 0	TIME 00:00	GAGE LOCATION Fowl River												
		MIN 0	TIME 00:00	MAX 0	TIME 00:00	GAGE DATUM MLLW												
WEATHER CONDITION		WEATHER Weather Caused No Delay			TEMP (min / max) 54 °F / 82 °F		VISIBILITY 10		WIND 9									
DRAFT					DISTRIBUTION OF TIME AND MILES RUN													
FORWARD		LIGHT		LOADED				AGITATING (MIN)		DREDGE & HAUL (MIN)		MILES RUN (NAUT MI)						
		8		15		EFFECTIVE WORKING TIME:												
AFT		10		16		PUMPING:		00:00		02:34		0.0						
						TURNING:		00:00		00:00		0.0						
DRAG DEPTH MAX 49 MIN 44					TO DUMP:		00:00		10:13		0.0							
					CONNECTING:		00:00		00:00		0.0							
INDICATORS LAST CHECKED ON 02/23/2016					DUMPING:		00:00		00:20		0.0							
					DISCONNECTING:		00:00		00:00		0.0							
AVERAGE SPEED OF DREDGE DURING LOADING							FT/MIN		2		TO CUT:		00:00		10:53		0.0	
AVERAGE SPEED OF DREDGE DURING AGITATING							FT/MIN		0		TOTALS:		00:00		24:00		0.0	
GALLONS OF FUEL OIL CONSUMED							GAL		2,696		NON-EFFECTIVE WORKING TIME:							
GALLONS OF WATER CONSUMED							GAL		748		TAKING ON FUEL AND SUPPLIES:		00:00		00:00		0.0	
WORK PERFORMED											TO AND FROM WHARF OR ANCHORAGE:		00:00		00:00		0.0	
													LOSS DUE TO NATURAL ELEMENTS:		00:00		00:00	
DREDGING AND HAULING											LOSS DUE TO TRAFFIC AND BRIDGES		00:00		00:00		0.0	
NO. OF LOADS		TOTAL CYS		DISPOSAL AREA		TOTAL CYS				MINOR OPERATING REPAIRS:		00:00		00:00		0.0		
6		13,175		Mobile 102-SW		0				TRANSFERRING BETWEEN WORKS:		00:00		00:00		0.0		
										LAY TIME:		00:00		00:00		0.0		
										FIRE AND BOAT DRILLS:		00:00		00:00		0.0		
ATTENDANT PLANT											MISCELLANEOUS:		00:00		00:00		0.0	
													TOTALS:		00:00		00:00	
ITEM		NAME OR NUMBER			H.P.		HOURS		LOST TIME:									
40' Crewboat		Cape Anne			400		12:00				MAJOR REPAIRS AND ALTERATIONS:		00:00		00:00		0.0	
											CESSATION:		00:00		00:00		0.0	
											COLLISIONS:		00:00		00:00		0.0	
											TOTALS:		00:00		00:00		0.0	
											TOTAL TIME/MILES:		00:00		24:00		0.0	

QUALITY CONTROL REPORT-HOPPER DREDGE			PAGE NO. Page 128 of 494
CONTRACT NO. W91278-16-D-0041 0001	CONTRACT TITLE IDIQ Rental Hopper Dredge in Mobile	CONTRACTOR Dutra Dredging Company	REPORT NO. 64
DREDGE	NAME AND TYPE M/V Columbia	DATE 05 Apr 2016 - Tuesday	

LOADS					
LOAD NUMBER	DREDGING AREA DISPOSAL AREA	START TIME STOP TIME (HH:MM)	PUMPING TURNING (MIN)	TO DUMP DUMPING TO CUT (MIN)	TOTAL TIME DREDGED AMOUNT AGITATED AMOUNT (MIN/CYS)
1	Sta 1180+00 to 1240+00 Mobile 102-SW	00:00 00:28	28 0	115 4 108	255 2,635 0
2	Sta 1180+00 to 1240+00 Mobile 102-SW	04:15 04:48	33 0	127 4 125	289 2,635 0
3	Sta 1180+00 to 1240+00 Mobile 102-SW	09:04 09:34	30 0	132 4 115	281 2,635 0
4	Sta 1180+00 to 1240+00 Mobile 102-SW	13:45 14:17	32 0	117 4 140	293 2,635 0
5	Sta 1180+00 to 1240+00 Mobile 102-SW	18:38 19:08	30 0	122 4 118	274 2,635 0
6	Sta 1180+00 to 1240+00 Mobile 102-SW	23:12 23:13	1 0	0 0 47	48 0 0

QC NARRATIVE(S)

GENERAL COMMENTS

1440 Mminutes @ 100%

QUALITY CONTROL REPORT-HOPPER DREDGE										PAGE NO. Page 129 of 494	
CONTRACT NO. W91278-16-D-0041 0001		CONTRACT TITLE IDIQ Rental Hopper Dredge in Mobile					CONTRACTOR Dutra Dredging Company			REPORT NO. 65	
CHARACTER OF REPORT		<input checked="" type="checkbox"/> MAINTENANCE <input type="checkbox"/> NEW WORK							DATE 06 Apr 2016 - Wednesday		
DREDGE (M/V Columbia)		HOPPER CAP: 4,387 CY		AVG VOL OF BIN WATER: 4,387 CY		AVG UNFILLED CAP: 4,387 CY					
		NO. OF CREW MEMBERS	DREDGE 13	OTHER PLANT 5	WORK SCHEDULE	SHIFTS PER DAY 2	DAYS PER WEEK 7				
LOCATION OF WORK		LOCATION CHANNEL Mobile Harbor		REACH DREDGED; STA TO STA Sta 1180+00 to 1240+00 and 820+00 to 880+00		DISPOSAL AREA USE Mobile 102 -SW		QTY DEPOSITED GROSS(CY) 5,270	CUMULATIVE AND QTY DEPOSIT FOR DA(CY) 577,065		
		AVG LENGTH OF CUT 6,000 FT		AVG WIDTH OF CUT 400 FT		AVG DIST TO DUMP 22 NM					
CHARACTER OF MATERIAL		DENSITY OF MATERIALS						GMS/LITER 1.045			
		DENSITY OF WATER			1.006			GMS/LITER@ 52 °F			
RIVER/TIDE STAGE		MIN 1	TIME 00:00	MAX 0	TIME 00:00	GAGE LOCATION Fowl River					
		MIN 0	TIME 00:00	MAX 0	TIME 00:00	GAGE DATUM MLLW					
WEATHER CONDITION		WEATHER			TEMP (min / max)		VISIBILITY		WIND		
		Weather Caused Critical Delay			58 °F / 72 °F		10		37		
DRAFT					DISTRIBUTION OF TIME AND MILES RUN						
FORWARD		LIGHT		LOADED				AGITATING (MIN)	DREDGE & HAUL (MIN)	MILES RUN (NAUT MI)	
		8		15		EFFECTIVE WORKING TIME:					
AFT						PUMPING:					
		10		16		00:00		01:01	0.0		
DRAG DEPTH MAX 49 MIN 44					TURNING:		00:00		00:00	0.0	
INDICATORS LAST CHECKED ON 02/23/2016					TO DUMP:		00:00		05:04	0.0	
					CONNECTING:		00:00		00:00	0.0	
AVERAGE SPEED OF DREDGE DURING LOADING				FT/MIN	DUMPING:		00:00		00:08	0.0	
				2	DISCONNECTING:		00:00		00:00	0.0	
AVERAGE SPEED OF DREDGE DURING AGITATING				FT/MIN	TO CUT:		00:00		04:58	0.0	
				0	TOTALS:		00:00		11:11	0.0	
GALLONS OF FUEL OIL CONSUMED				GAL	NON-EFFECTIVE WORKING TIME:						
				1,625	TAKING ON FUEL AND SUPPLIES:		00:00		03:15	0.0	
GALLONS OF WATER CONSUMED				GAL	TO AND FROM WHARF OR ANCHORAGE:		00:00		02:27	0.0	
				600	LOSS DUE TO NATURAL ELEMENTS:		00:00		02:10	0.0	
WORK PERFORMED					LOSS DUE TO TRAFFIC AND BRIDGES		00:00		00:00	0.0	
DREDGING AND HAULING			AGITATING		MINOR OPERATING REPAIRS:		00:00		04:57	0.0	
NO. OF LOADS	TOTAL CYS	DISPOSAL AREA	TOTAL CYS		TRANSFERRING BETWEEN WORKS:		00:00		00:00	0.0	
3	5,270	Mobile 102-SW	0		LAY TIME:		00:00		00:00	0.0	
					FIRE AND BOAT DRILLS:		00:00		00:00	0.0	
					MISCELLANEOUS:		00:00		00:00	0.0	
ATTENDANT PLANT					TOTALS:		00:00		12:49	0.0	
ITEM	NAME OR NUMBER		H.P.	HOURS	LOST TIME:						
40' Crewboat	Cape Anne		400	12:00	MAJOR REPAIRS AND ALTERATIONS:		00:00		00:00	0.0	
					CESSATION:		00:00		00:00	0.0	
					COLLISIONS:		00:00		00:00	0.0	
					TOTALS:		00:00		00:00	0.0	
					TOTAL TIME/MILES:		00:00		24:00	0.0	

QUALITY CONTROL REPORT-HOPPER DREDGE			PAGE NO. Page 130 of 494
CONTRACT NO. W91278-16-D-0041 0001	CONTRACT TITLE IDIQ Rental Hopper Dredge in Mobile	CONTRACTOR Dutra Dredging Company	REPORT NO. 65
DREDGE	NAME AND TYPE M/V Columbia	DATE 06 Apr 2016 - Wednesday	

LOADS					
LOAD NUMBER	DREDGING AREA DISPOSAL AREA	START TIME STOP TIME (HH:MM)	PUMPING TURNING (MIN)	TO DUMP DUMPING TO CUT (MIN)	TOTAL TIME DREDGED AMOUNT AGITATED AMOUNT (MIN/CYS)
1	Sta 1180+00 to 1240+00 Mobile 102-SW	00:00 00:25	25 0	130 4 69	228 2,635 0
2	Sta 820+00 to 880+00 Mobile 102-SW	03:48 04:23	35 0	174 4 180	393 2,635 0
3	Sta 820+00 to 880+00 Mobile 102-SW	21:00 21:01	1 0	0 0 49	50 0 0

QC NARRATIVE(S)

GENERAL COMMENTS

671 Minutes @ 100%
130 Minutes @ 70%
639 Minutes @ 0%

QUALITY CONTROL REPORT-HOPPER DREDGE											PAGE NO. <div>Page 131 of 494</div>		
CONTRACT NO. W91278-16-D-0041 0001		CONTRACT TITLE IDIQ Rental Hopper Dredge in Mobile					CONTRACTOR Dutra Dredging Company				REPORT NO. 66		
CHARACTER OF REPORT		<input checked="" type="checkbox"/> MAINTENANCE <input type="checkbox"/> NEW WORK								DATE 07 Apr 2016 - Thursday			
DREDGE (M/V Columbia)		HOPPER CAP: 4,387 CY			AVG VOL OF BIN WATER: 4,387 CY			AVG UNFILLED CAP: 4,387 CY					
		NO. OF CREW MEMBERS	DREDGE 13		OTHER PLANT 5	WORK SCHEDULE	SHIFTS PER DAY 2		DAYS PER WEEK 7				
LOCATION OF WORK		LOCATION CHANNEL Mobile Harbor		REACH DREDGED; STA TO STA Sta 820+00 to 880+00			DISPOSAL AREA USE Mobile 102 -SW		QTY DEPOSITED GROSS(CY) 7,905	CUMULATIVE AND QTY DEPOSIT FOR DA(CY) 584,970			
		AVG LENGTH OF CUT 6,000 FT			AVG WIDTH OF CUT 400 FT			AVG DIST TO DUMP 26 NM					
CHARACTER OF MATERIAL		DENSITY OF MATERIALS							GMS/LITER 1.045				
		DENSITY OF WATER				1.006			GMS/LITER@ 52 °F				
RIVER/TIDE STAGE		MIN 1	TIME 00:00	MAX 0	TIME 00:00	GAGE LOCATION Fowl River							
		MIN 0	TIME 00:00	MAX 0	TIME 00:00	GAGE DATUM MLLW							
WEATHER CONDITION		WEATHER Weather Caused Critical Delay			TEMP (min / max) 61 °F / 76 °F		VISIBILITY 10		WIND 29				
DRAFT					DISTRIBUTION OF TIME AND MILES RUN								
FORWARD		LIGHT		LOADED				AGITATING (MIN)	DREDGE & HAUL (MIN)	MILES RUN (NAUT MI)			
		8		15				EFFECTIVE WORKING TIME:					
AFT		10		16				PUMPING: 00:00 01:41 0.0					
								TURNING: 00:00 00:00 0.0					
DRAG DEPTH MAX 49 MIN 44									TO DUMP: 00:00 08:10 0.0				
INDICATORS LAST CHECKED ON 02/23/2016									CONNECTING: 00:00 00:00 0.0				
AVERAGE SPEED OF DREDGE DURING LOADING					FT/MIN	2			DUMPING: 00:00 00:23 0.0				
AVERAGE SPEED OF DREDGE DURING AGITATING					FT/MIN	0			DISCONNECTING: 00:00 00:00 0.0				
GALLONS OF FUEL OIL CONSUMED					GAL	1,719			TO CUT: 00:00 07:47 0.0				
GALLONS OF WATER CONSUMED					GAL	374			TOTALS: 00:00 18:01 0.0				
WORK PERFORMED					NON-EFFECTIVE WORKING TIME:								
DREDGING AND HAULING			AGITATING				TAKING ON FUEL AND SUPPLIES:		00:00	00:00	0.0		
NO. OF LOADS	TOTAL CYS	DISPOSAL AREA		TOTAL CYS				TO AND FROM WHARF OR ANCHORAGE:		00:00	00:00	0.0	
4	7,905	Mobile 102-SW		0				LOSS DUE TO NATURAL ELEMENTS:		00:00	05:59	0.0	
								LOSS DUE TO TRAFFIC AND BRIDGES		00:00	00:00	0.0	
								MINOR OPERATING REPAIRS:		00:00	00:00	0.0	
								TRANSFERRING BETWEEN WORKS:		00:00	00:00	0.0	
								LAY TIME:		00:00	00:00	0.0	
								FIRE AND BOAT DRILLS:		00:00	00:00	0.0	
ATTENDANT PLANT									MISCELLANEOUS:		00:00	00:00	0.0
ITEM	NAME OR NUMBER			H.P.	HOURS			TOTALS:		00:00	05:59	0.0	
40' Crewboat	Cape Anne			400	12:00			LOST TIME:					
								MAJOR REPAIRS AND ALTERATIONS:		00:00	00:00	0.0	
								CESSATION:		00:00	00:00	0.0	
								COLLISIONS:		00:00	00:00	0.0	
								TOTALS:		00:00	00:00	0.0	
								TOTAL TIME/MILES:		00:00	24:00	0.0	

QUALITY CONTROL REPORT-HOPPER DREDGE					PAGE NO. <div>Page 132 of 494</div>	
CONTRACT NO. W91278-16-D-0041 0001		CONTRACT TITLE IDIQ Rental Hopper Dredge in Mobile		CONTRACTOR Dutra Dredging Company		REPORT NO. 66
DREDGE		NAME AND TYPE M/V Columbia			DATE 07 Apr 2016 - Thursday	
LOADS						
LOAD NUMBER	DREDGING AREA DISPOSAL AREA	START TIME STOP TIME (HH:MM)	PUMPING TURNING (MIN)	TO DUMP DUMPING TO CUT (MIN)	TOTAL TIME DREDGED AMOUNT AGITATED AMOUNT (MIN/CYS)	
1	Sta 820+00 to 880+00 Mobile 102-SW	05:59	29	168	320	
		06:28	0	15	2,635	
				108	0	
2	Sta 820+00 to 880+00 Mobile 102-SW	11:19	38	160	356	
		11:57	0	4	2,635	
				154	0	
3	Sta 820+00 to 880+00 Mobile 102-SW	17:15	33	162	365	
		17:48	0	4	2,635	
				166	0	
4	Sta 820+00 to 880+00 Mobile 102-SW	23:20	1	0	40	
		23:21	0	0	0	
				39	0	
QC NARRATIVE(S) GENERAL COMMENTS 1081 Minutes @ 100% 359 Minutes @ 70%						

QUALITY CONTROL REPORT-HOPPER DREDGE										PAGE NO. Page 133 of 494								
CONTRACT NO. W91278-16-D-0041 0001		CONTRACT TITLE IDIQ Rental Hopper Dredge in Mobile					CONTRACTOR Dutra Dredging Company			REPORT NO. 67								
CHARACTER OF REPORT		<input checked="" type="checkbox"/> MAINTENANCE <input type="checkbox"/> NEW WORK							DATE 08 Apr 2016 - Friday									
DREDGE (M/V Columbia)		HOPPER CAP: 4,387 CY		AVG VOL OF BIN WATER: 4,387 CY		AVG UNFILLED CAP: 4,387 CY												
		NO. OF CREW MEMBERS	DREDGE 13	OTHER PLANT 5	WORK SCHEDULE	SHIFTS PER DAY 2	DAYS PER WEEK 7											
LOCATION OF WORK		LOCATION CHANNEL Mobile Harbor		REACH DREDGED; STA TO STA Sta 820+00 to 880+00		DISPOSAL AREA USE Mobile 102 -SW		QTY DEPOSITED GROSS(CY) 2,635		CUMULATIVE AND QTY DEPOSIT FOR DA(CY) 587,605								
		AVG LENGTH OF CUT 6,000 FT		AVG WIDTH OF CUT 400 FT		AVG DIST TO DUMP 26 NM												
CHARACTER OF MATERIAL		DENSITY OF MATERIALS						GMS/LITER 1.045										
		DENSITY OF WATER			1.006			GMS/LITER@ 52 °F										
RIVER/TIDE STAGE		MIN 1	TIME 00:00	MAX 0	TIME 00:00	GAGE LOCATION Fowl River												
		MIN 0	TIME 00:00	MAX 0	TIME 00:00	GAGE DATUM MLLW												
WEATHER CONDITION		WEATHER Weather Caused No Delay			TEMP (min / max) 61 °F / 75 °F		VISIBILITY 10		WIND 23									
DRAFT					DISTRIBUTION OF TIME AND MILES RUN													
FORWARD		LIGHT		LOADED				AGITATING (MIN)		DREDGE & HAUL (MIN)		MILES RUN (NAUT MI)						
		8		15		EFFECTIVE WORKING TIME:												
AFT		10		16		PUMPING:		00:00		00:31		0.0						
						TURNING:		00:00		00:00		0.0						
DRAG DEPTH MAX 49 MIN 44					TO DUMP:		00:00		02:45		0.0							
					CONNECTING:		00:00		00:00		0.0							
INDICATORS LAST CHECKED ON 02/23/2016					DUMPING:		00:00		00:04		0.0							
					DISCONNECTING:		00:00		00:00		0.0							
AVERAGE SPEED OF DREDGE DURING LOADING							FT/MIN		2		TO CUT:		00:00		04:31		0.0	
AVERAGE SPEED OF DREDGE DURING AGITATING							FT/MIN		0		TOTALS:		00:00		07:51		0.0	
GALLONS OF FUEL OIL CONSUMED							GAL		1,000		NON-EFFECTIVE WORKING TIME:							
GALLONS OF WATER CONSUMED							GAL		935		TAKING ON FUEL AND SUPPLIES:		00:00		00:00		0.0	
WORK PERFORMED											TO AND FROM WHARF OR ANCHORAGE:		00:00		00:00		0.0	
													LOSS DUE TO NATURAL ELEMENTS:		00:00		00:00	
DREDGING AND HAULING											LOSS DUE TO TRAFFIC AND BRIDGES		00:00		00:00		0.0	
NO. OF LOADS		TOTAL CYS		DISPOSAL AREA		TOTAL CYS				MINOR OPERATING REPAIRS:		00:00		16:09		0.0		
2		2,635		Mobile 102-SW		0				TRANSFERRING BETWEEN WORKS:		00:00		00:00		0.0		
										LAY TIME:		00:00		00:00		0.0		
										FIRE AND BOAT DRILLS:		00:00		00:00		0.0		
ATTENDANT PLANT											MISCELLANEOUS:		00:00		00:00		0.0	
													TOTALS:		00:00		16:09	
ITEM		NAME OR NUMBER			H.P.		HOURS		LOST TIME:									
40' Crewboat		Cape Anne			400		12:00				MAJOR REPAIRS AND ALTERATIONS:		00:00		00:00		0.0	
											CESSATION:		00:00		00:00		0.0	
											COLLISIONS:		00:00		00:00		0.0	
											TOTALS:		00:00		00:00		0.0	
											TOTAL TIME/MILES:		00:00		24:00		0.0	

QUALITY CONTROL REPORT-HOPPER DREDGE			PAGE NO. Page 134 of 494
CONTRACT NO. W91278-16-D-0041 0001	CONTRACT TITLE IDIQ Rental Hopper Dredge in Mobile	CONTRACTOR Dutra Dredging Company	REPORT NO. 67
DREDGE	NAME AND TYPE M/V Columbia	DATE 08 Apr 2016 - Friday	

LOADS					
LOAD NUMBER	DREDGING AREA DISPOSAL AREA	START TIME STOP TIME (HH:MM)	PUMPING TURNING (MIN)	TO DUMP DUMPING TO CUT (MIN)	TOTAL TIME DREDGED AMOUNT AGITATED AMOUNT (MIN/CYS)
1	Sta 820+00 to 880+00 Mobile 102-SW	00:00	30	165	312
		00:30	0	4	2,635
				113	0
2	Sta 820+00 to 880+00 Mobile 102-SW	05:12	1	0	159
		05:13	0	0	0
				158	0

QC NARRATIVE(S)

GENERAL COMMENTS

471 Minutes @ 100%
969 Minutes @ 0% Minor Repairs

QUALITY CONTROL REPORT-HOPPER DREDGE										PAGE NO. Page 135 of 494	
CONTRACT NO. W91278-16-D-0041 0001		CONTRACT TITLE IDIQ Rental Hopper Dredge in Mobile					CONTRACTOR Dutra Dredging Company			REPORT NO. 68	
CHARACTER OF REPORT		<input checked="" type="checkbox"/> MAINTENANCE <input type="checkbox"/> NEW WORK							DATE 09 Apr 2016 - Saturday		
DREDGE (M/V Columbia)		HOPPER CAP: 4,387 CY		AVG VOL OF BIN WATER: 4,387 CY		AVG UNFILLED CAP: 4,387 CY					
		NO. OF CREW MEMBERS	DREDGE 13	OTHER PLANT 5	WORK SCHEDULE	SHIFTS PER DAY 2	DAYS PER WEEK 7				
LOCATION OF WORK		LOCATION CHANNEL Mobile Harbor	REACH DREDGED; STA TO STA Sta 820+00 to 880+00		DISPOSAL AREA USE Mobile 102 -SW		QTY DEPOSITED GROSS(CY) 7,905	CUMULATIVE AND QTY DEPOSIT FOR DA(CY) 595,510			
		AVG LENGTH OF CUT 6,000 FT		AVG WIDTH OF CUT 400 FT		AVG DIST TO DUMP 26 NM					
CHARACTER OF MATERIAL		DENSITY OF MATERIALS						GMS/LITER 1.045			
		DENSITY OF WATER			1.006			GMS/LITER@ 52 °F			
RIVER/TIDE STAGE		MIN 1	TIME 00:00	MAX 0	TIME 00:00	GAGE LOCATION Fowl River					
		MIN 0	TIME 00:00	MAX 0	TIME 00:00	GAGE DATUM MLLW					
WEATHER CONDITION		WEATHER Weather Caused No Delay		TEMP (min / max) 51 °F / 71 °F		VISIBILITY 10		WIND 25			
DRAFT					DISTRIBUTION OF TIME AND MILES RUN						
FORWARD	LIGHT		LOADED				AGITATING (MIN)	DREDGE & HAUL (MIN)	MILES RUN (NAUT MI)		
	8		15				EFFECTIVE WORKING TIME:				
AFT											
	10		16								
DRAG DEPTH MAX 49 MIN 44					PUMPING:		00:00	01:33	0.0		
INDICATORS LAST CHECKED ON 02/23/2016					TURNING:		00:00	00:08	0.0		
					TO DUMP:		00:00	07:49	0.0		
AVERAGE SPEED OF DREDGE DURING LOADING				FT/MIN	CONNECTING:		00:00	00:00	0.0		
				2	DUMPING:		00:00	00:12	0.0		
AVERAGE SPEED OF DREDGE DURING AGITATING				FT/MIN	DISCONNECTING:		00:00	00:00	0.0		
				0	TO CUT:		00:00	06:13	0.0		
GALLONS OF FUEL OIL CONSUMED				GAL	TOTALS:		00:00	15:55	0.0		
				2,012	NON-EFFECTIVE WORKING TIME:						
GALLONS OF WATER CONSUMED				GAL	TAKING ON FUEL AND SUPPLIES:		00:00	00:00	0.0		
				561	TO AND FROM WHARF OR ANCHORAGE:		00:00	00:00	0.0		
WORK PERFORMED					LOSS DUE TO NATURAL ELEMENTS:		00:00	00:00	0.0		
DREDGING AND HAULING				AGITATING		LOSS DUE TO TRAFFIC AND BRIDGES		00:00	00:00	0.0	
NO. OF LOADS	TOTAL CYS	DISPOSAL AREA		TOTAL CYS		MINOR OPERATING REPAIRS:		00:00	08:05	0.0	
4	7,905	Mobile 102-SW		0		TRANSFERRING BETWEEN WORKS:		00:00	00:00	0.0	
						LAY TIME:		00:00	00:00	0.0	
						FIRE AND BOAT DRILLS:		00:00	00:00	0.0	
ATTENDANT PLANT					MISCELLANEOUS:		00:00	00:00	0.0		
ITEM	NAME OR NUMBER		H.P.	HOURS	TOTALS:		00:00	08:05	0.0		
40' Crewboat	Cape Anne		400	12:00	LOST TIME:						
					MAJOR REPAIRS AND ALTERATIONS:		00:00	00:00	0.0		
					CESSATION:		00:00	00:00	0.0		
					COLLISIONS:		00:00	00:00	0.0		
					TOTALS:		00:00	00:00	0.0		
					TOTAL TIME/MILES:		00:00	24:00	0.0		

QUALITY CONTROL REPORT-HOPPER DREDGE			PAGE NO. Page 136 of 494
CONTRACT NO. W91278-16-D-0041 0001	CONTRACT TITLE IDIQ Rental Hopper Dredge in Mobile	CONTRACTOR Dutra Dredging Company	REPORT NO. 68
DREDGE	NAME AND TYPE M/V Columbia	DATE 09 Apr 2016 - Saturday	

LOADS					
LOAD NUMBER	DREDGING AREA DISPOSAL AREA	START TIME STOP TIME (HH:MM)	PUMPING TURNING (MIN)	TO DUMP DUMPING TO CUT (MIN)	TOTAL TIME DREDGED AMOUNT AGITATED AMOUNT (MIN/CYS)
1	Sta 820+00 to 880+00 Mobile 102-SW	08:05 08:43	30 8	159 4 14	215 2,635 0
2	Sta 820+00 to 880+00 Mobile 102-SW	11:40 12:13	33 0	156 4 144	337 2,635 0
3	Sta 820+00 to 880+00 Mobile 102-SW	17:17 17:46	29 0	154 4 161	348 2,635 0
4	Sta 820+00 to 880+00 Mobile 102-SW	23:05 23:06	1 0	0 0 54	55 0 0

QC NARRATIVE(S)

GENERAL COMMENTS

955 Minutes @ 100%
485 Minutes @ 0% Minor Repairs

QUALITY CONTROL REPORT-HOPPER DREDGE										PAGE NO. Page 137 of 494	
CONTRACT NO. W91278-16-D-0041 0001		CONTRACT TITLE IDIQ Rental Hopper Dredge in Mobile					CONTRACTOR Dutra Dredging Company			REPORT NO. 69	
CHARACTER OF REPORT		<input checked="" type="checkbox"/> MAINTENANCE <input type="checkbox"/> NEW WORK							DATE 10 Apr 2016 - Sunday		
DREDGE (M/V Columbia)		HOPPER CAP: 4,387 CY		AVG VOL OF BIN WATER: 4,387 CY			AVG UNFILLED CAP: 4,387 CY				
		NO. OF CREW MEMBERS	DREDGE 13	OTHER PLANT 5	WORK SCHEDULE	SHIFTS PER DAY 2	DAYS PER WEEK 7				
LOCATION OF WORK		LOCATION CHANNEL Mobile Harbor		REACH DREDGED; STA TO STA Sta 820+00 to 880+00		DISPOSAL AREA USE Mobile 102 -SW		QTY DEPOSITED GROSS(CY) 10,540	CUMULATIVE AND QTY DEPOSIT FOR DA(CY) 606,050		
		AVG LENGTH OF CUT 6,000 FT			AVG WIDTH OF CUT 400 FT			AVG DIST TO DUMP 26 NM			
CHARACTER OF MATERIAL		DENSITY OF MATERIALS						GMS/LITER 1.045			
		DENSITY OF WATER			1.006			GMS/LITER@ 52 °F			
RIVER/TIDE STAGE		MIN 1	TIME 00:00	MAX 0	TIME 00:00	GAGE LOCATION Fowl River					
		MIN 0	TIME 00:00	MAX 0	TIME 00:00	GAGE DATUM MLLW					
WEATHER CONDITION		WEATHER Weather Caused No Delay			TEMP (min / max) 59 °F / 72 °F		VISIBILITY 10		WIND 37		
DRAFT					DISTRIBUTION OF TIME AND MILES RUN						
FORWARD		LIGHT		LOADED				AGITATING (MIN)	DREDGE & HAUL (MIN)	MILES RUN (NAUT MI)	
		8		15		EFFECTIVE WORKING TIME:					
AFT						PUMPING:					
		10		16		00:00		02:01	0.0		
DRAG DEPTH MAX 49 MIN 44					TURNING:		00:00		00:00	0.0	
INDICATORS LAST CHECKED ON 02/23/2016					TO DUMP:		00:00		10:52	0.0	
AVERAGE SPEED OF DREDGE DURING LOADING				FT/MIN	CONNECTING:		00:00		00:00	0.0	
				2	DUMPING:		00:00		00:39	0.0	
AVERAGE SPEED OF DREDGE DURING AGITATING				FT/MIN	DISCONNECTING:		00:00		00:00	0.0	
				0	TO CUT:		00:00		10:28	0.0	
GALLONS OF FUEL OIL CONSUMED				GAL	TOTALS:		00:00		24:00	0.0	
				2,706	NON-EFFECTIVE WORKING TIME:						
GALLONS OF WATER CONSUMED				GAL	TAKING ON FUEL AND SUPPLIES:		00:00		00:00	0.0	
				560	TO AND FROM WHARF OR ANCHORAGE:		00:00		00:00	0.0	
WORK PERFORMED					LOSS DUE TO NATURAL ELEMENTS:		00:00		00:00	0.0	
DREDGING AND HAULING				AGITATING		LOSS DUE TO TRAFFIC AND BRIDGES		00:00		00:00	0.0
NO. OF LOADS	TOTAL CYS	DISPOSAL AREA		TOTAL CYS		MINOR OPERATING REPAIRS:		00:00		00:00	0.0
5	10,540	Mobile 102-SW		0		TRANSFERRING BETWEEN WORKS:		00:00		00:00	0.0
						LAY TIME:		00:00		00:00	0.0
						FIRE AND BOAT DRILLS:		00:00		00:00	0.0
ATTENDANT PLANT					MISCELLANEOUS:		00:00		00:00	0.0	
ITEM	NAME OR NUMBER			H.P.	HOURS	TOTALS:		00:00		00:00	0.0
40' Crewboat	Cape Anne			400	12:00	LOST TIME:					
						MAJOR REPAIRS AND ALTERATIONS:		00:00		00:00	0.0
						CESSATION:		00:00		00:00	0.0
						COLLISIONS:		00:00		00:00	0.0
						TOTALS:		00:00		00:00	0.0
						TOTAL TIME/MILES:		00:00		24:00	0.0

QUALITY CONTROL REPORT-HOPPER DREDGE					PAGE NO. Page 138 of 494	
CONTRACT NO. W91278-16-D-0041 0001		CONTRACT TITLE IDIQ Rental Hopper Dredge in Mobile		CONTRACTOR Dutra Dredging Company		REPORT NO. 69
DREDGE		NAME AND TYPE M/V Columbia			DATE 10 Apr 2016 - Sunday	
LOADS						
LOAD NUMBER	DREDGING AREA DISPOSAL AREA	START TIME STOP TIME (HH:MM)	PUMPING TURNING (MIN)	TO DUMP DUMPING TO CUT (MIN)	TOTAL TIME DREDGED AMOUNT AGITATED AMOUNT (MIN/CYS)	
1	Sta 820+00 to 880+00 Mobile 102-SW	00:00 00:32	32 0	166 4 91	293 2,635 0	
2	Sta 820+00 to 880+00 Mobile 102-SW	04:53 05:23	30 0	162 27 140	359 2,635 0	
3	Sta 820+00 to 880+00 Mobile 102-SW	10:52 11:25	33 0	170 4 141	348 2,635 0	
4	Sta 820+00 to 880+00 Mobile 102-SW	16:40 17:05	25 0	154 4 163	346 2,635 0	
5	Sta 820+00 to 880+00 Mobile 102-SW	22:26 22:27	1 0	0 0 93	94 0 0	
QC NARRATIVE(S) GENERAL COMMENTS 1440 Minutes @ 100%						

QUALITY CONTROL REPORT-HOPPER DREDGE										PAGE NO. Page 139 of 494	
CONTRACT NO. W91278-16-D-0041 0001		CONTRACT TITLE IDIQ Rental Hopper Dredge in Mobile					CONTRACTOR Dutra Dredging Company			REPORT NO. 70	
CHARACTER OF REPORT		<input checked="" type="checkbox"/> MAINTENANCE <input type="checkbox"/> NEW WORK							DATE 11 Apr 2016 - Monday		
DREDGE (M/V Columbia)		HOPPER CAP: 4,387 CY		AVG VOL OF BIN WATER: 4,387 CY			AVG UNFILLED CAP: 4,387 CY				
		NO. OF CREW MEMBERS	DREDGE 13	OTHER PLANT 5	WORK SCHEDULE	SHIFTS PER DAY 2	DAYS PER WEEK 7				
LOCATION OF WORK		LOCATION CHANNEL Mobile Harbor	REACH DREDGED; STA TO STA Sta 820+00 to 880+00			DISPOSAL AREA USE Mobile 102 -SW	QTY DEPOSITED GROSS(CY) 10,540	CUMULATIVE AND QTY DEPOSIT FOR DA(CY) 616,590			
		AVG LENGTH OF CUT 6,000 FT		AVG WIDTH OF CUT 400 FT		AVG DIST TO DUMP 26 NM					
CHARACTER OF MATERIAL		DENSITY OF MATERIALS						GMS/LITER 1.045			
		DENSITY OF WATER			1.006			GMS/LITER@ 52 °F			
RIVER/TIDE STAGE		MIN 0	TIME 00:00	MAX 0	TIME 00:00	GAGE LOCATION Fowl River					
		MIN 1	TIME 00:00	MAX 0	TIME 00:00	GAGE DATUM MLLW					
WEATHER CONDITION		WEATHER Weather Caused No Delay		TEMP (min / max) 62 °F / 75 °F		VISIBILITY 10	WIND 23				
DRAFT					DISTRIBUTION OF TIME AND MILES RUN						
FORWARD	LIGHT		LOADED			AGITATING (MIN)	DREDGE & HAUL (MIN)	MILES RUN (NAUT MI)			
	8		15		EFFECTIVE WORKING TIME:						
AFT	10		16		PUMPING:	00:00	01:54	0.0			
					TURNING:	00:00	00:00	0.0			
DRAG DEPTH MAX 49 MIN 44				TO DUMP:		00:00	10:48	0.0			
				CONNECTING:		00:00	00:00	0.0			
INDICATORS LAST CHECKED ON 02/23/2016				DUMPING:		00:00	00:16	0.0			
				DISCONNECTING:		00:00	00:00	0.0			
AVERAGE SPEED OF DREDGE DURING LOADING			FT/MIN		2	TO CUT:		00:00	11:02	0.0	
AVERAGE SPEED OF DREDGE DURING AGITATING			FT/MIN		0	TOTALS:		00:00	24:00	0.0	
GALLONS OF FUEL OIL CONSUMED			GAL		2,750	NON-EFFECTIVE WORKING TIME:					
GALLONS OF WATER CONSUMED			GAL		560	TAKING ON FUEL AND SUPPLIES:	00:00	00:00	0.0		
WORK PERFORMED					TO AND FROM WHARF OR ANCHORAGE:		00:00	00:00	0.0		
					LOSS DUE TO NATURAL ELEMENTS:		00:00	00:00	0.0		
DREDGING AND HAULING			AGITATING		LOSS DUE TO TRAFFIC AND BRIDGES		00:00	00:00	0.0		
NO. OF LOADS	TOTAL CYS	DISPOSAL AREA	TOTAL CYS		MINOR OPERATING REPAIRS:		00:00	00:00	0.0		
5	10,540	Mobile 102-SW	0		TRANSFERRING BETWEEN WORKS:		00:00	00:00	0.0		
					LAY TIME:		00:00	00:00	0.0		
					FIRE AND BOAT DRILLS:		00:00	00:00	0.0		
ATTENDANT PLANT					MISCELLANEOUS:		00:00	00:00	0.0		
					TOTALS:		00:00	00:00	0.0		
ITEM		NAME OR NUMBER		H.P.	HOURS	LOST TIME:					
40' Crewboat		Cape Anne		400	12:00	MAJOR REPAIRS AND ALTERATIONS:		00:00	00:00	0.0	
						CESSATION:		00:00	00:00	0.0	
						COLLISIONS:		00:00	00:00	0.0	
						TOTALS:		00:00	00:00	0.0	
						TOTAL TIME/MILES:		00:00	24:00	0.0	

QUALITY CONTROL REPORT-HOPPER DREDGE					PAGE NO. <div>Page 140 of 494</div>	
CONTRACT NO. W91278-16-D-0041 0001		CONTRACT TITLE IDIQ Rental Hopper Dredge in Mobile		CONTRACTOR Dutra Dredging Company		REPORT NO. 70
DREDGE		NAME AND TYPE M/V Columbia			DATE 11 Apr 2016 - Monday	
LOADS						
LOAD NUMBER	DREDGING AREA DISPOSAL AREA	START TIME STOP TIME (HH:MM)	PUMPING TURNING (MIN)	TO DUMP DUMPING TO CUT (MIN)	TOTAL TIME DREDGED AMOUNT AGITATED AMOUNT (MIN/CYS)	
1	Sta 820+00 to 880+00 Mobile 102-SW	00:00 00:30	30 0	172 4 63	269 2,635 0	
2	Sta 820+00 to 880+00 Mobile 102-SW	04:29 04:59	30 0	160 4 153	347 2,635 0	
3	Sta 820+00 to 880+00 Mobile 102-SW	10:16 10:44	28 0	169 4 149	350 2,635 0	
4	Sta 820+00 to 880+00 Mobile 102-SW	16:06 16:31	25 0	147 4 164	340 2,635 0	
5	Sta 820+00 to 880+00 Mobile 102-SW	21:46 21:47	1 0	0 0 133	134 0 0	
QC NARRATIVE(S) GENERAL COMMENTS 1440 Minutes @ 100%						

QUALITY CONTROL REPORT-HOPPER DREDGE										PAGE NO. Page 141 of 494								
CONTRACT NO. W91278-16-D-0041 0001		CONTRACT TITLE IDIQ Rental Hopper Dredge in Mobile					CONTRACTOR Dutra Dredging Company			REPORT NO. 71								
CHARACTER OF REPORT		<input checked="" type="checkbox"/> MAINTENANCE <input type="checkbox"/> NEW WORK							DATE 12 Apr 2016 - Tuesday									
DREDGE (M/V Columbia)		HOPPER CAP: 4,387 CY		AVG VOL OF BIN WATER: 4,387 CY		AVG UNFILLED CAP: 4,387 CY												
		NO. OF CREW MEMBERS	DREDGE 13	OTHER PLANT 5	WORK SCHEDULE	SHIFTS PER DAY 2		DAYS PER WEEK 7										
LOCATION OF WORK		LOCATION CHANNEL Mobile Harbor		REACH DREDGED; STA TO STA Sta 820+00 to 880+00		DISPOSAL AREA USE Mobile 102 -SW		QTY DEPOSITED GROSS(CY) 10,540		CUMULATIVE AND QTY DEPOSIT FOR DA(CY) 627,130								
		AVG LENGTH OF CUT 6,000 FT		AVG WIDTH OF CUT 400 FT		AVG DIST TO DUMP 26 NM												
CHARACTER OF MATERIAL		DENSITY OF MATERIALS						GMS/LITER 1.045										
		DENSITY OF WATER			1.006			GMS/LITER@ 52 °F										
RIVER/TIDE STAGE		MIN 0	TIME 00:00	MAX 0	TIME 00:00	GAGE LOCATION Fowl River												
		MIN 0	TIME 00:00	MAX 0	TIME 00:00	GAGE DATUM MLLW												
WEATHER CONDITION		WEATHER			TEMP (min / max)		VISIBILITY		WIND									
		Weather Caused No Delay			64 °F / 71 °F		3		13									
DRAFT					DISTRIBUTION OF TIME AND MILES RUN													
FORWARD		LIGHT		LOADED				AGITATING (MIN)		DREDGE & HAUL (MIN)		MILES RUN (NAUT MI)						
		8		15		EFFECTIVE WORKING TIME:												
AFT		10		16		PUMPING:		00:00		02:19		0.0						
						TURNING:		00:00		00:00		0.0						
DRAG DEPTH MAX 49 MIN 44					TO DUMP:		00:00		10:24		0.0							
					CONNECTING:		00:00		00:00		0.0							
INDICATORS LAST CHECKED ON 02/23/2016					DUMPING:		00:00		00:16		0.0							
					DISCONNECTING:		00:00		00:00		0.0							
AVERAGE SPEED OF DREDGE DURING LOADING							FT/MIN		2		TO CUT:		00:00		11:01		0.0	
AVERAGE SPEED OF DREDGE DURING AGITATING							FT/MIN		0		TOTALS:		00:00		24:00		0.0	
GALLONS OF FUEL OIL CONSUMED							GAL		3,290		NON-EFFECTIVE WORKING TIME:							
GALLONS OF WATER CONSUMED							GAL		448		TAKING ON FUEL AND SUPPLIES:		00:00		00:00		0.0	
WORK PERFORMED											TO AND FROM WHARF OR ANCHORAGE:		00:00		00:00		0.0	
													LOSS DUE TO NATURAL ELEMENTS:		00:00		00:00	
DREDGING AND HAULING				AGITATING						LOSS DUE TO TRAFFIC AND BRIDGES		00:00		00:00		0.0		
NO. OF LOADS		TOTAL CYS		DISPOSAL AREA		TOTAL CYS				MINOR OPERATING REPAIRS:		00:00		00:00		0.0		
5		10,540		Mobile 102-SW		0				TRANSFERRING BETWEEN WORKS:		00:00		00:00		0.0		
										LAY TIME:		00:00		00:00		0.0		
										FIRE AND BOAT DRILLS:		00:00		00:00		0.0		
ATTENDANT PLANT											MISCELLANEOUS:		00:00		00:00		0.0	
													TOTALS:		00:00		00:00	
ITEM		NAME OR NUMBER			H.P.		HOURS		LOST TIME:									
40' Crewboat		Cape Anne			400		12:00				MAJOR REPAIRS AND ALTERATIONS:		00:00		00:00		0.0	
											CESSATION:		00:00		00:00		0.0	
											COLLISIONS:		00:00		00:00		0.0	
											TOTALS:		00:00		00:00		0.0	
											TOTAL TIME/MILES:		00:00		24:00		0.0	

QUALITY CONTROL REPORT-HOPPER DREDGE					PAGE NO. Page 142 of 494	
CONTRACT NO. W91278-16-D-0041 0001		CONTRACT TITLE IDIQ Rental Hopper Dredge in Mobile		CONTRACTOR Dutra Dredging Company		REPORT NO. 71
DREDGE		NAME AND TYPE M/V Columbia			DATE 12 Apr 2016 - Tuesday	
LOADS						
LOAD NUMBER	DREDGING AREA DISPOSAL AREA	START TIME STOP TIME (HH:MM)	PUMPING TURNING (MIN)	TO DUMP DUMPING TO CUT (MIN)	TOTAL TIME DREDGED AMOUNT AGITATED AMOUNT (MIN/CYS)	
1	Sta 820+00 to 880+00 Mobile 102-SW	00:00 00:33	33 0	150 4 33	220 2,635 0	
2	Sta 820+00 to 880+00 Mobile 102-SW	03:40 04:12	32 0	167 4 156	359 2,635 0	
3	Sta 820+00 to 880+00 Mobile 102-SW	09:39 10:05	26 0	159 4 151	340 2,635 0	
4	Sta 820+00 to 880+00 Mobile 102-SW	15:19 15:43	24 0	148 4 159	335 2,635 0	
5	Sta 820+00 to 880+00 Mobile 102-SW	20:54 21:18	24 0	0 0 162	186 0 0	
QC NARRATIVE(S) GENERAL COMMENTS 1440 Minutes @ 100%						

QUALITY CONTROL REPORT-HOPPER DREDGE										PAGE NO. Page 143 of 494	
CONTRACT NO. W91278-16-D-0041 0001		CONTRACT TITLE IDIQ Rental Hopper Dredge in Mobile					CONTRACTOR Dutra Dredging Company			REPORT NO. 72	
CHARACTER OF REPORT		<input checked="" type="checkbox"/> MAINTENANCE <input type="checkbox"/> NEW WORK							DATE 13 Apr 2016 - Wednesday		
DREDGE (M/V Columbia)		HOPPER CAP: 4,387 CY		AVG VOL OF BIN WATER: 4,387 CY			AVG UNFILLED CAP: 4,387 CY				
		NO. OF CREW MEMBERS	DREDGE 13	OTHER PLANT 5		WORK SCHEDULE	SHIFTS PER DAY 2		DAYS PER WEEK 7		
LOCATION OF WORK		LOCATION CHANNEL Mobile Harbor		REACH DREDGED; STA TO STA Sta 820+00 to 880+00		DISPOSAL AREA USE Mobile 102 -SW		QTY DEPOSITED GROSS(CY) 10,540	CUMULATIVE AND QTY DEPOSIT FOR DA(CY) 637,670		
		AVG LENGTH OF CUT 6,000 FT			AVG WIDTH OF CUT 400 FT			AVG DIST TO DUMP 26 NM			
CHARACTER OF MATERIAL		DENSITY OF MATERIALS						GMS/LITER 1.045			
		DENSITY OF WATER			1.006			GMS/LITER@ 67 °F			
RIVER/TIDE STAGE		MIN 1	TIME 00:00	MAX 0	TIME 00:00	GAGE LOCATION Fowl River					
		MIN 1	TIME 00:00	MAX 0	TIME 00:00	GAGE DATUM MLLW					
WEATHER CONDITION		WEATHER Weather Caused No Delay			TEMP (min / max) 62 °F / 69 °F		VISIBILITY 3		WIND 15		
DRAFT					DISTRIBUTION OF TIME AND MILES RUN						
FORWARD		LIGHT		LOADED				AGITATING (MIN)	DREDGE & HAUL (MIN)	MILES RUN (NAUT MI)	
		8		15		EFFECTIVE WORKING TIME:					
AFT		10		16		PUMPING: 00:00 02:10 0.0					
							TURNING: 00:00 00:06 0.0				
DRAG DEPTH MAX 49 MIN 44					TO DUMP: 00:00 11:12 0.0						
					CONNECTING: 00:00 00:00 0.0						
INDICATORS LAST CHECKED ON 02/23/2016					DUMPING: 00:00 00:38 0.0						
					DISCONNECTING: 00:00 00:00 0.0						
AVERAGE SPEED OF DREDGE DURING LOADING					FT/MIN 2	TO CUT: 00:00 09:54 0.0					
AVERAGE SPEED OF DREDGE DURING AGITATING					FT/MIN 0	TOTALS: 00:00 24:00 0.0					
GALLONS OF FUEL OIL CONSUMED					GAL 3,442	NON-EFFECTIVE WORKING TIME:					
GALLONS OF WATER CONSUMED					GAL 784	TAKING ON FUEL AND SUPPLIES: 00:00 00:00 0.0					
WORK PERFORMED					TO AND FROM WHARF OR ANCHORAGE: 00:00 00:00 0.0						
					LOSS DUE TO NATURAL ELEMENTS: 00:00 00:00 0.0						
DREDGING AND HAULING			AGITATING		LOSS DUE TO TRAFFIC AND BRIDGES 00:00 00:00 0.0						
NO. OF LOADS	TOTAL CYS	DISPOSAL AREA		TOTAL CYS		MINOR OPERATING REPAIRS: 00:00 00:00 0.0					
5	10,540	Mobile 102-SW		0		TRANSFERRING BETWEEN WORKS: 00:00 00:00 0.0					
						LAY TIME: 00:00 00:00 0.0					
						FIRE AND BOAT DRILLS: 00:00 00:00 0.0					
ATTENDANT PLANT					MISCELLANEOUS: 00:00 00:00 0.0						
					TOTALS: 00:00 00:00 0.0						
ITEM		NAME OR NUMBER		H.P.	HOURS	LOST TIME:					
40' Crewboat		Cape Anne		400	12:00	MAJOR REPAIRS AND ALTERATIONS: 00:00 00:00 0.0					
						CESSATION: 00:00 00:00 0.0					
						COLLISIONS: 00:00 00:00 0.0					
						TOTALS: 00:00 00:00 0.0					
						TOTAL TIME/MILES: 00:00 24:00 0.0					

QUALITY CONTROL REPORT-HOPPER DREDGE					PAGE NO. Page 144 of 494	
CONTRACT NO. W91278-16-D-0041 0001		CONTRACT TITLE IDIQ Rental Hopper Dredge in Mobile		CONTRACTOR Dutra Dredging Company		REPORT NO. 72
DREDGE		NAME AND TYPE M/V Columbia			DATE 13 Apr 2016 - Wednesday	
LOADS						
LOAD NUMBER	DREDGING AREA DISPOSAL AREA	START TIME STOP TIME (HH:MM)	PUMPING TURNING (MIN)	TO DUMP DUMPING TO CUT (MIN)	TOTAL TIME DREDGED AMOUNT AGITATED AMOUNT (MIN/CYS)	
1	Sta 820+00 to 880+00 Mobile 102-SW	00:00 00:16	16 0	155 4 0	175 2,635 0	
2	Sta 820+00 to 880+00 Mobile 102-SW	02:55 03:27	26 6	155 26 152	365 2,635 0	
3	Sta 820+00 to 880+00 Mobile 102-SW	09:00 09:29	29 0	162 4 139	334 2,635 0	
4	Sta 820+00 to 880+00 Mobile 102-SW	14:34 15:05	31 0	154 4 151	340 2,635 0	
5	Sta 820+00 to 880+00 Mobile 102-SW	20:14 20:42	28 0	46 0 152	226 0 0	
QC NARRATIVE(S) GENERAL COMMENTS 1440 Minutes @ 100%						

QUALITY CONTROL REPORT-HOPPER DREDGE										PAGE NO. Page 145 of 494	
CONTRACT NO. W91278-16-D-0041 0001		CONTRACT TITLE IDIQ Rental Hopper Dredge in Mobile					CONTRACTOR Dutra Dredging Company			REPORT NO. 73	
CHARACTER OF REPORT		<input checked="" type="checkbox"/> MAINTENANCE <input type="checkbox"/> NEW WORK							DATE 14 Apr 2016 - Thursday		
DREDGE (M/V Columbia)		HOPPER CAP: 4,387 CY		AVG VOL OF BIN WATER: 4,387 CY		AVG UNFILLED CAP: 4,387 CY					
		NO. OF CREW MEMBERS	DREDGE 13	OTHER PLANT 5	WORK SCHEDULE	SHIFTS PER DAY 2	DAYS PER WEEK 7				
LOCATION OF WORK		LOCATION CHANNEL Mobile Harbor	REACH DREDGED; STA TO STA Sta 820+00 to 880+00		DISPOSAL AREA USE Mobile 102 -SW		QTY DEPOSITED GROSS(CY) 10,540	CUMULATIVE AND QTY DEPOSIT FOR DA(CY) 648,210			
		AVG LENGTH OF CUT 6,000 FT		AVG WIDTH OF CUT 400 FT		AVG DIST TO DUMP 26 NM					
CHARACTER OF MATERIAL		DENSITY OF MATERIALS						GMS/LITER 1.045			
		DENSITY OF WATER			1.006			GMS/LITER@ 67 °F			
RIVER/TIDE STAGE		MIN 1	TIME 00:00	MAX 0	TIME 00:00	GAGE LOCATION Fowl River					
		MIN 2	TIME 00:00	MAX 0	TIME 00:00	GAGE DATUM MLLW					
WEATHER CONDITION		WEATHER		TEMP (min / max)		VISIBILITY		WIND			
		Weather Caused No Delay		63 °F / 70 °F		3		24			
DRAFT					DISTRIBUTION OF TIME AND MILES RUN						
FORWARD		LIGHT		LOADED				AGITATING (MIN)	DREDGE & HAUL (MIN)	MILES RUN (NAUT MI)	
		8		15				EFFECTIVE WORKING TIME:			
AFT											
		10		16							
DRAG DEPTH MAX 49 MIN 44					PUMPING:		00:00	01:43	0.0		
INDICATORS LAST CHECKED ON 02/23/2016					TURNING:		00:00	00:00	0.0		
					TO DUMP:		00:00	11:23	0.0		
AVERAGE SPEED OF DREDGE DURING LOADING				FT/MIN	CONNECTING:		00:00	00:00	0.0		
				2	DUMPING:		00:00	00:40	0.0		
AVERAGE SPEED OF DREDGE DURING AGITATING				FT/MIN	DISCONNECTING:		00:00	00:00	0.0		
				0	TO CUT:		00:00	10:14	0.0		
GALLONS OF FUEL OIL CONSUMED				GAL	TOTALS:		00:00	24:00	0.0		
				2,996	NON-EFFECTIVE WORKING TIME:						
GALLONS OF WATER CONSUMED				GAL	TAKING ON FUEL AND SUPPLIES:		00:00	00:00	0.0		
				682	TO AND FROM WHARF OR ANCHORAGE:		00:00	00:00	0.0		
WORK PERFORMED					LOSS DUE TO NATURAL ELEMENTS:		00:00	00:00	0.0		
DREDGING AND HAULING				AGITATING		LOSS DUE TO TRAFFIC AND BRIDGES		00:00	00:00	0.0	
NO. OF LOADS	TOTAL CYS	DISPOSAL AREA		TOTAL CYS		MINOR OPERATING REPAIRS:		00:00	00:00	0.0	
5	10,540	Mobile 102-SW		0		TRANSFERRING BETWEEN WORKS:		00:00	00:00	0.0	
						LAY TIME:		00:00	00:00	0.0	
						FIRE AND BOAT DRILLS:		00:00	00:00	0.0	
ATTENDANT PLANT					MISCELLANEOUS:		00:00	00:00	0.0		
ITEM	NAME OR NUMBER		H.P.	HOURS	TOTALS:		00:00	00:00	0.0		
40' Crewboat	Cape Anne		400	12:00	LOST TIME:						
					MAJOR REPAIRS AND ALTERATIONS:		00:00	00:00	0.0		
					CESSATION:		00:00	00:00	0.0		
					COLLISIONS:		00:00	00:00	0.0		
					TOTALS:		00:00	00:00	0.0		
					TOTAL TIME/MILES:		00:00	24:00	0.0		

QUALITY CONTROL REPORT-HOPPER DREDGE					PAGE NO. Page 146 of 494	
CONTRACT NO. W91278-16-D-0041 0001		CONTRACT TITLE IDIQ Rental Hopper Dredge in Mobile		CONTRACTOR Dutra Dredging Company		REPORT NO. 73
DREDGE		NAME AND TYPE M/V Columbia			DATE 14 Apr 2016 - Thursday	
LOADS						
LOAD NUMBER	DREDGING AREA DISPOSAL AREA	START TIME STOP TIME (HH:MM)	PUMPING TURNING (MIN)	TO DUMP DUMPING TO CUT (MIN)	TOTAL TIME DREDGED AMOUNT AGITATED AMOUNT (MIN/CYS)	
1	Sta 820+00 to 880+00 Mobile 102-SW	00:00 00:01	1 0	104 4 0	109 2,635 0	
2	Sta 820+00 to 880+00 Mobile 102-SW	01:49 02:14	25 0	159 28 159	371 2,635 0	
3	Sta 820+00 to 880+00 Mobile 102-SW	08:00 08:29	29 0	173 4 138	344 2,635 0	
4	Sta 820+00 to 880+00 Mobile 102-SW	13:44 14:09	25 0	159 4 160	348 2,635 0	
5	Sta 820+00 to 880+00 Mobile 102-SW	19:32 19:55	23 0	88 0 157	268 0 0	
QC NARRATIVE(S) GENERAL COMMENTS 1440 Minutes @ 100%						

QUALITY CONTROL REPORT-HOPPER DREDGE										PAGE NO. Page 147 of 494	
CONTRACT NO. W91278-16-D-0041 0001		CONTRACT TITLE IDIQ Rental Hopper Dredge in Mobile					CONTRACTOR Dutra Dredging Company			REPORT NO. 74	
CHARACTER OF REPORT		<input checked="" type="checkbox"/> MAINTENANCE <input type="checkbox"/> NEW WORK							DATE 15 Apr 2016 - Friday		
DREDGE (M/V Columbia)		HOPPER CAP: 4,387 CY		AVG VOL OF BIN WATER: 4,387 CY		AVG UNFILLED CAP: 4,387 CY					
		NO. OF CREW MEMBERS	DREDGE 13	OTHER PLANT 5	WORK SCHEDULE	SHIFTS PER DAY 2	DAYS PER WEEK 7				
LOCATION OF WORK		LOCATION CHANNEL Mobile Harbor	REACH DREDGED; STA TO STA Sta 820+00 to 880+00		DISPOSAL AREA USE Mobile 102 -SW		QTY DEPOSITED GROSS(CY) 10,540	CUMULATIVE AND QTY DEPOSIT FOR DA(CY) 658,750			
		AVG LENGTH OF CUT 6,000 FT		AVG WIDTH OF CUT 400 FT		AVG DIST TO DUMP 26 NM					
CHARACTER OF MATERIAL		DENSITY OF MATERIALS						GMS/LITER 1.045			
		DENSITY OF WATER			1.006			GMS/LITER@ 67 °F			
RIVER/TIDE STAGE		MIN 1	TIME 00:00	MAX 0	TIME 00:00	GAGE LOCATION Fowl River					
		MIN 1	TIME 00:00	MAX 0	TIME 00:00	GAGE DATUM MLLW					
WEATHER CONDITION		WEATHER Weather Caused No Delay		TEMP (min / max) 59 °F / 67 °F		VISIBILITY 3		WIND 22			
DRAFT					DISTRIBUTION OF TIME AND MILES RUN						
FORWARD		LIGHT		LOADED				AGITATING (MIN)	DREDGE & HAUL (MIN)	MILES RUN (NAUT MI)	
		8		15				EFFECTIVE WORKING TIME:			
AFT											
		10		16							
DRAG DEPTH MAX 49 MIN 44					PUMPING:		00:00	01:52	0.0		
INDICATORS LAST CHECKED ON 02/23/2016					TURNING:		00:00	00:00	0.0		
					TO DUMP:		00:00	11:03	0.0		
AVERAGE SPEED OF DREDGE DURING LOADING					CONNECTING:		00:00	00:00	0.0		
					DUMPING:		00:00	00:22	0.0		
AVERAGE SPEED OF DREDGE DURING AGITATING					DISCONNECTING:		00:00	00:00	0.0		
					TO CUT:		00:00	10:43	0.0		
GALLONS OF FUEL OIL CONSUMED					TOTALS:		00:00	24:00	0.0		
					NON-EFFECTIVE WORKING TIME:						
GALLONS OF WATER CONSUMED					TAKING ON FUEL AND SUPPLIES:		00:00	00:00	0.0		
					TO AND FROM WHARF OR ANCHORAGE:		00:00	00:00	0.0		
WORK PERFORMED					LOSS DUE TO NATURAL ELEMENTS:		00:00	00:00	0.0		
DREDGING AND HAULING				AGITATING		LOSS DUE TO TRAFFIC AND BRIDGES		00:00	00:00	0.0	
NO. OF LOADS	TOTAL CYS	DISPOSAL AREA		TOTAL CYS		MINOR OPERATING REPAIRS:		00:00	00:00	0.0	
5	10,540	Mobile 102-SW		0		TRANSFERRING BETWEEN WORKS:		00:00	00:00	0.0	
						LAY TIME:		00:00	00:00	0.0	
						FIRE AND BOAT DRILLS:		00:00	00:00	0.0	
ATTENDANT PLANT					MISCELLANEOUS:		00:00	00:00	0.0		
ITEM	NAME OR NUMBER		H.P.	HOURS	TOTALS:		00:00	00:00	0.0		
40' Crewboat	Cape Anne		400	12:00	LOST TIME:						
					MAJOR REPAIRS AND ALTERATIONS:		00:00	00:00	0.0		
					CESSATION:		00:00	00:00	0.0		
					COLLISIONS:		00:00	00:00	0.0		
					TOTALS:		00:00	00:00	0.0		
					TOTAL TIME/MILES:		00:00	24:00	0.0		

QUALITY CONTROL REPORT-HOPPER DREDGE					PAGE NO. Page 148 of 494	
CONTRACT NO. W91278-16-D-0041 0001		CONTRACT TITLE IDIQ Rental Hopper Dredge in Mobile		CONTRACTOR Dutra Dredging Company		REPORT NO. 74
DREDGE		NAME AND TYPE M/V Columbia			DATE 15 Apr 2016 - Friday	
LOADS						
LOAD NUMBER	DREDGING AREA DISPOSAL AREA	START TIME STOP TIME (HH:MM)	PUMPING TURNING (MIN)	TO DUMP DUMPING TO CUT (MIN)	TOTAL TIME DREDGED AMOUNT AGITATED AMOUNT (MIN/CYS)	
1	Sta 820+00 to 880+00 Mobile 102-SW	00:00 00:01	1 0	61 4 0	66 2,635 0	
2	Sta 820+00 to 880+00 Mobile 102-SW	01:06 01:33	27 0	156 10 166	359 2,635 0	
3	Sta 820+00 to 880+00 Mobile 102-SW	07:05 07:32	27 0	163 4 157	351 2,635 0	
4	Sta 820+00 to 880+00 Mobile 102-SW	12:56 13:24	28 0	158 4 160	350 2,635 0	
5	Sta 820+00 to 880+00 Mobile 102-SW	18:46 19:15	29 0	125 0 160	314 0 0	
QC NARRATIVE(S)						
GENERAL COMMENTS						
1440 Minutes @ 100%						

QUALITY CONTROL REPORT-HOPPER DREDGE								PAGE NO.			
								Page 149 of 494			
CONTRACT NO. W91278-16-D-0041 0001		CONTRACT TITLE IDIQ Rental Hopper Dredge in Mobile				CONTRACTOR Dutra Dredging Company		REPORT NO. 75			
CHARACTER OF REPORT		<input checked="" type="checkbox"/> MAINTENANCE <input type="checkbox"/> NEW WORK						DATE 16 Apr 2016 - Saturday			
DREDGE (M/V Columbia)		HOPPER CAP: 4,387 CY		AVG VOL OF BIN WATER: 4,387 CY		AVG UNFILLED CAP: 4,387 CY					
		NO. OF CREW MEMBERS	DREDGE 13	OTHER PLANT 5	WORK SCHEDULE	SHIFTS PER DAY 2	DAYS PER WEEK 7				
LOCATION OF WORK		LOCATION CHANNEL Mobile Harbor		REACH DREDGED; STA TO STA Sta 820+00 to 880+00		DISPOSAL AREA USE Mobile 102 -SW		QTY DEPOSITED GROSS(CY) 5,270			
								CUMULATIVE AND QTY DEPOSIT FOR DA(CY) 664,020			
		AVG LENGTH OF CUT 6,000 FT		AVG WIDTH OF CUT 400 FT		AVG DIST TO DUMP 26 NM					
CHARACTER OF MATERIAL		DENSITY OF MATERIALS				GMS/LITER 1.045					
		DENSITY OF WATER		1.006		GMS/LITER@ 67 °F					
RIVER/TIDE STAGE		MIN 0	TIME 00:00	MAX 0	TIME 00:00	GAGE LOCATION Fowl River					
		MIN 0	TIME 00:00	MAX 0	TIME 00:00	GAGE DATUM MLLW					
WEATHER CONDITION		WEATHER Weather Caused Critical Delay		TEMP (min / max) 61 °F / 70 °F		VISIBILITY 10		WIND 26			
DRAFT				DISTRIBUTION OF TIME AND MILES RUN							
FORWARD		LIGHT	LOADED				AGITATING (MIN)	DREDGE & HAUL (MIN)	MILES RUN (NAUT MI)		
		8	15		EFFECTIVE WORKING TIME:						
AFT						PUMPING:	00:00	00:28	0.0		
		10		16		TURNING:	00:00	00:00	0.0		
DRAG DEPTH MAX 49 MIN 44						TO DUMP:	00:00	03:14	0.0		
INDICATORS LAST CHECKED ON 02/23/2016						CONNECTING:	00:00	00:00	0.0		
AVERAGE SPEED OF DREDGE DURING LOADING				FT/MIN	2	DUMPING:	00:00	00:08	0.0		
AVERAGE SPEED OF DREDGE DURING AGITATING				FT/MIN	0	DISCONNECTING:	00:00	00:00	0.0		
GALLONS OF FUEL OIL CONSUMED				GAL	1,209	TO CUT:	00:00	04:36	0.0		
GALLONS OF WATER CONSUMED				GAL	784	TOTALS:	00:00	08:26	0.0		
WORK PERFORMED				NON-EFFECTIVE WORKING TIME:							
DREDGING AND HAULING		AGITATING				TAKING ON FUEL AND SUPPLIES:	00:00	00:00	0.0		
NO. OF LOADS	TOTAL CYS	DISPOSAL AREA	TOTAL CYS			TO AND FROM WHARF OR ANCHORAGE:	00:00	00:00	0.0		
3	5,270	Mobile 102-SW	0			LOSS DUE TO NATURAL ELEMENTS:	00:00	15:34	0.0		
						LOSS DUE TO TRAFFIC AND BRIDGES	00:00	00:00	0.0		
						MINOR OPERATING REPAIRS:	00:00	00:00	0.0		
						TRANSFERRING BETWEEN WORKS:	00:00	00:00	0.0		
						LAY TIME:	00:00	00:00	0.0		
						FIRE AND BOAT DRILLS:	00:00	00:00	0.0		
ATTENDANT PLANT						MISCELLANEOUS:	00:00	00:00	0.0		
ITEM	NAME OR NUMBER	H.P.	HOURS			TOTALS:	00:00	15:34	0.0		
40' Crewboat	Cape Anne	400	12:00			LOST TIME:					
						MAJOR REPAIRS AND ALTERATIONS:	00:00	00:00	0.0		
						CESSATION:	00:00	00:00	0.0		
						COLLISIONS:	00:00	00:00	0.0		
						TOTALS:	00:00	00:00	0.0		
						TOTAL TIME/MILES:	00:00	24:00	0.0		

QUALITY CONTROL REPORT-HOPPER DREDGE					PAGE NO. Page 150 of 494	
CONTRACT NO. W91278-16-D-0041 0001		CONTRACT TITLE IDIQ Rental Hopper Dredge in Mobile		CONTRACTOR Dutra Dredging Company		REPORT NO. 75
DREDGE		NAME AND TYPE M/V Columbia			DATE 16 Apr 2016 - Saturday	
LOADS						
LOAD NUMBER	DREDGING AREA DISPOSAL AREA	START TIME STOP TIME (HH:MM)	PUMPING TURNING (MIN)	TO DUMP DUMPING TO CUT (MIN)	TOTAL TIME DREDGED AMOUNT AGITATED AMOUNT (MIN/CYS)	
1	Sta 820+00 to 880+00 Mobile 102-SW	00:00 00:01	1 0	28 4 0	33 2,635 0	
2	Sta 820+00 to 880+00 Mobile 102-SW	00:33 00:59	26 0	166 4 168	364 2,635 0	
3	Sta 820+00 to 880+00 Mobile 102-SW	06:37 06:38	1 0	0 0 108	109 0 0	
QC NARRATIVE(S) GENERAL COMMENTS 506 Minutes @ 100% 934 Minutes @ 70%						

QUALITY CONTROL REPORT-HOPPER DREDGE										PAGE NO. Page 151 of 494	
CONTRACT NO. W91278-16-D-0041 0001		CONTRACT TITLE IDIQ Rental Hopper Dredge in Mobile					CONTRACTOR Dutra Dredging Company			REPORT NO. 76	
CHARACTER OF REPORT		<input checked="" type="checkbox"/> MAINTENANCE <input type="checkbox"/> NEW WORK							DATE 17 Apr 2016 - Sunday		
DREDGE (M/V Columbia)		HOPPER CAP: 4,387 CY		AVG VOL OF BIN WATER: 4,387 CY		AVG UNFILLED CAP: 4,387 CY					
		NO. OF CREW MEMBERS	DREDGE 13	OTHER PLANT 5	WORK SCHEDULE	SHIFTS PER DAY 2	DAYS PER WEEK 7				
LOCATION OF WORK		LOCATION CHANNEL Mobile Harbor	REACH DREDGED; STA TO STA Sta 820+00 to 880+00		DISPOSAL AREA USE Mobile 102 -SW		QTY DEPOSITED GROSS(CY) 0	CUMULATIVE AND QTY DEPOSIT FOR DA(CY) 664,020			
		AVG LENGTH OF CUT 6,000 FT		AVG WIDTH OF CUT 400 FT		AVG DIST TO DUMP 26 NM					
CHARACTER OF MATERIAL		DENSITY OF MATERIALS						GMS/LITER 1.045			
		DENSITY OF WATER			1.006			GMS/LITER@ 67 °F			
RIVER/TIDE STAGE		MIN 0	TIME 00:00	MAX 0	TIME 00:00	GAGE LOCATION Fowl River					
		MIN 0	TIME 00:00	MAX 0	TIME 00:00	GAGE DATUM MLLW					
WEATHER CONDITION		WEATHER		TEMP (min / max)		VISIBILITY		WIND			
		Weather Caused Critical Delay		62 °F / 76 °F		10		30			
DRAFT					DISTRIBUTION OF TIME AND MILES RUN						
FORWARD		LIGHT		LOADED				AGITATING (MIN)	DREDGE & HAUL (MIN)	MILES RUN (NAUT MI)	
		8		15				EFFECTIVE WORKING TIME:			
AFT											
		10		16							
DRAG DEPTH MAX 49 MIN 44					PUMPING:		00:00	00:00	0.0		
INDICATORS LAST CHECKED ON 02/23/2016					TURNING:		00:00	00:00	0.0		
					TO DUMP:		00:00	00:00	0.0		
AVERAGE SPEED OF DREDGE DURING LOADING					CONNECTING:		00:00	00:00	0.0		
					DUMPING:		00:00	00:00	0.0		
AVERAGE SPEED OF DREDGE DURING AGITATING					DISCONNECTING:		00:00	00:00	0.0		
					TO CUT:		00:00	00:00	0.0		
GALLONS OF FUEL OIL CONSUMED					TOTALS:		00:00	00:00	0.0		
					NON-EFFECTIVE WORKING TIME:						
GALLONS OF WATER CONSUMED					TAKING ON FUEL AND SUPPLIES:		00:00	03:00	0.0		
					TO AND FROM WHARF OR ANCHORAGE:		00:00	00:00	0.0		
WORK PERFORMED					LOSS DUE TO NATURAL ELEMENTS:		00:00	21:00	0.0		
DREDGING AND HAULING				AGITATING		LOSS DUE TO TRAFFIC AND BRIDGES		00:00	00:00	0.0	
NO. OF LOADS	TOTAL CYS	DISPOSAL AREA		TOTAL CYS		MINOR OPERATING REPAIRS:		00:00	00:00	0.0	
						TRANSFERRING BETWEEN WORKS:		00:00	00:00	0.0	
						LAY TIME:		00:00	00:00	0.0	
						FIRE AND BOAT DRILLS:		00:00	00:00	0.0	
ATTENDANT PLANT					MISCELLANEOUS:		00:00	00:00	0.0		
ITEM	NAME OR NUMBER		H.P.	HOURS	TOTALS:		00:00	24:00	0.0		
40' Crewboat	Cape Anne		400	12:00	LOST TIME:						
					MAJOR REPAIRS AND ALTERATIONS:		00:00	00:00	0.0		
					CESSATION:		00:00	00:00	0.0		
					COLLISIONS:		00:00	00:00	0.0		
					TOTALS:		00:00	00:00	0.0		
					TOTAL TIME/MILES:		00:00	24:00	0.0		

QUALITY CONTROL REPORT-HOPPER DREDGE			PAGE NO.
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CONTRACT NO. W91278-16-D-0041 0001	CONTRACT TITLE IDIQ Rental Hopper Dredge in Mobile	CONTRACTOR Dutra Dredging Company	REPORT NO. 76
DREDGE	NAME AND TYPE M/V Columbia	DATE 17 Apr 2016 - Sunday	

QC NARRATIVE(S)

GENERAL COMMENTS

1260 Minutes @ 70% Weather
180 Minutes @ 0% Fuel

QUALITY CONTROL REPORT-HOPPER DREDGE										PAGE NO. Page 153 of 494							
CONTRACT NO. W91278-16-D-0041 0001		CONTRACT TITLE IDIQ Rental Hopper Dredge in Mobile					CONTRACTOR Dutra Dredging Company			REPORT NO. 77							
CHARACTER OF REPORT		<input checked="" type="checkbox"/> MAINTENANCE <input type="checkbox"/> NEW WORK							DATE 18 Apr 2016 - Monday								
DREDGE (M/V Columbia)		HOPPER CAP: 4,387 CY		AVG VOL OF BIN WATER: 4,387 CY			AVG UNFILLED CAP: 4,387 CY										
		NO. OF CREW MEMBERS	DREDGE 13	OTHER PLANT 5		WORK SCHEDULE		SHIFTS PER DAY 2		DAYS PER WEEK 7							
LOCATION OF WORK		LOCATION CHANNEL Mobile Harbor		REACH DREDGED; STA TO STA Sta 820+00 to 880+00 & 880+00 to 940+00			DISPOSAL AREA USE Mobile 102 -SW		QTY DEPOSITED GROSS(CY) 7,905		CUMULATIVE AND QTY DEPOSIT FOR DA(CY) 671,925						
		AVG LENGTH OF CUT 6,000 FT			AVG WIDTH OF CUT 400 FT			AVG DIST TO DUMP 26 NM									
CHARACTER OF MATERIAL		DENSITY OF MATERIALS						GMS/LITER 1.045									
		DENSITY OF WATER				1.006		GMS/LITER@ 67 °F									
RIVER/TIDE STAGE		MIN 1	TIME 00:00	MAX 0	TIME 00:00	GAGE LOCATION Fowl River											
		MIN 1	TIME 00:00	MAX 0	TIME 00:00	GAGE DATUM MLLW											
WEATHER CONDITION		WEATHER			TEMP (min / max)		VISIBILITY		WIND								
		Weather Caused Critical Delay			69 °F / 75 °F		10		25								
DRAFT					DISTRIBUTION OF TIME AND MILES RUN												
FORWARD		LIGHT		LOADED				AGITATING (MIN)		DREDGE & HAUL (MIN)		MILES RUN (NAUT MI)					
		8		15		EFFECTIVE WORKING TIME:											
AFT		10		16		PUMPING:		00:00		01:26		0.0					
						TURNING:		00:00		00:00		0.0					
DRAG DEPTH MAX 49 MIN 44					TO DUMP:		00:00		07:47		0.0						
					CONNECTING:		00:00		00:00		0.0						
INDICATORS LAST CHECKED ON 04/17/2016					DUMPING:		00:00		00:11		0.0						
					DISCONNECTING:		00:00		00:00		0.0						
AVERAGE SPEED OF DREDGE DURING LOADING						FT/MIN		2		TO CUT:		00:00		08:09		0.0	
AVERAGE SPEED OF DREDGE DURING AGITATING						FT/MIN		0		TOTALS:		00:00		17:33		0.0	
GALLONS OF FUEL OIL CONSUMED						GAL		2,456		NON-EFFECTIVE WORKING TIME:							
GALLONS OF WATER CONSUMED						GAL		748		TAKING ON FUEL AND SUPPLIES:		00:00		00:00		0.0	
WORK PERFORMED					TO AND FROM WHARF OR ANCHORAGE:		00:00		00:00		0.0						
					LOSS DUE TO NATURAL ELEMENTS:		00:00		06:27		0.0						
DREDGING AND HAULING				AGITATING		LOSS DUE TO TRAFFIC AND BRIDGES		00:00		00:00		0.0					
NO. OF LOADS	TOTAL CYS	DISPOSAL AREA		TOTAL CYS		MINOR OPERATING REPAIRS:		00:00		00:00		0.0					
4	7,905	Mobile 102-SW		0		TRANSFERRING BETWEEN WORKS:		00:00		00:00		0.0					
						LAY TIME:		00:00		00:00		0.0					
						FIRE AND BOAT DRILLS:		00:00		00:00		0.0					
ATTENDANT PLANT					MISCELLANEOUS:		00:00		00:00		0.0						
					TOTALS:		00:00		06:27		0.0						
ITEM		NAME OR NUMBER		H.P.	HOURS	LOST TIME:											
40' Crewboat		Cape Anne		400	12:00	MAJOR REPAIRS AND ALTERATIONS:		00:00		00:00		0.0					
						CESSATION:		00:00		00:00		0.0					
						COLLISIONS:		00:00		00:00		0.0					
						TOTALS:		00:00		00:00		0.0					
						TOTAL TIME/MILES:		00:00		24:00		0.0					

QUALITY CONTROL REPORT-HOPPER DREDGE					PAGE NO. Page 154 of 494	
CONTRACT NO. W91278-16-D-0041 0001		CONTRACT TITLE IDIQ Rental Hopper Dredge in Mobile		CONTRACTOR Dutra Dredging Company		REPORT NO. 77
DREDGE		NAME AND TYPE M/V Columbia			DATE 18 Apr 2016 - Monday	
LOADS						
LOAD NUMBER	DREDGING AREA DISPOSAL AREA	START TIME STOP TIME (HH:MM)	PUMPING TURNING (MIN)	TO DUMP DUMPING TO CUT (MIN)	TOTAL TIME DREDGED AMOUNT AGITATED AMOUNT (MIN/CYS)	
1	Sta 820+00 to 880+00 Mobile 102-SW	00:00 00:24	24 0	154 4 111	293 2,635 0	
2	Sta 880+00 to 940+00 Mobile 102-SW	04:53 05:26	33 0	161 3 166	363 2,635 0	
3	Sta 880+00 to 940+00 Mobile 102-SW	10:56 11:24	28 0	152 4 154	338 2,635 0	
4	Sta 880+00 to 940+00 Mobile 102-SW	23:01 23:02	1 0	0 0 58	59 0 0	
QC NARRATIVE(S) GENERAL COMMENTS 1053 Minutes @ 100% 387 Minutes @ 70% Weather						

QUALITY CONTROL REPORT-HOPPER DREDGE											PAGE NO. <div>Page 155 of 494</div>					
CONTRACT NO. W91278-16-D-0041 0001		CONTRACT TITLE IDIQ Rental Hopper Dredge in Mobile					CONTRACTOR Dutra Dredging Company				REPORT NO. 78					
CHARACTER OF REPORT		<input checked="" type="checkbox"/> MAINTENANCE <input type="checkbox"/> NEW WORK								DATE 19 Apr 2016 - Tuesday						
DREDGE (M/V Columbia)		HOPPER CAP: 4,387 CY			AVG VOL OF BIN WATER: 4,387 CY			AVG UNFILLED CAP: 4,387 CY								
		NO. OF CREW MEMBERS	DREDGE 13		OTHER PLANT 5	WORK SCHEDULE	SHIFTS PER DAY 2	DAYS PER WEEK 7								
LOCATION OF WORK		LOCATION CHANNEL Mobile Harbor		REACH DREDGED; STA TO STA Sta 880+00 to 940+00		DISPOSAL AREA USE Mobile 102 -SW		QTY DEPOSITED GROSS(CY) 10,540		CUMULATIVE AND QTY DEPOSIT FOR DA(CY) 682,465						
		AVG LENGTH OF CUT 6,000 FT			AVG WIDTH OF CUT 400 FT			AVG DIST TO DUMP 25 NM								
CHARACTER OF MATERIAL		DENSITY OF MATERIALS						GMS/LITER 1.045								
		DENSITY OF WATER				1.006		GMS/LITER@ 70 °F								
RIVER/TIDE STAGE		MIN 1	TIME 00:00	MAX 0	TIME 00:00	GAGE LOCATION Fowl River										
		MIN 1	TIME 00:00	MAX 0	TIME 00:00	GAGE DATUM MLLW										
WEATHER CONDITION		WEATHER Weather Caused No Delay			TEMP (min / max) 58 °F / 8 °F		VISIBILITY 10		WIND 31							
DRAFT					DISTRIBUTION OF TIME AND MILES RUN											
FORWARD		LIGHT		LOADED				AGITATING (MIN)		DREDGE & HAUL (MIN)		MILES RUN (NAUT MI)				
		8		15		EFFECTIVE WORKING TIME:										
AFT		10		16		PUMPING:		00:00		02:07		0.0				
						TURNING:		00:00		00:00		0.0				
DRAG DEPTH MAX 49 MIN 44					TO DUMP:		00:00		09:54		0.0					
INDICATORS LAST CHECKED ON 04/17/2016					CONNECTING:		00:00		00:00		0.0					
AVERAGE SPEED OF DREDGE DURING LOADING					FT/MIN 2		DUMPING:		00:00		00:16		0.0			
AVERAGE SPEED OF DREDGE DURING AGITATING					FT/MIN 0		DISCONNECTING:		00:00		00:00		0.0			
							TO CUT:		00:00		10:55		0.0			
GALLONS OF FUEL OIL CONSUMED					GAL 2,568		TOTALS:		00:00		23:12		0.0			
GALLONS OF WATER CONSUMED					GAL 935		NON-EFFECTIVE WORKING TIME:									
WORK PERFORMED					TAKING ON FUEL AND SUPPLIES:		00:00		00:00		0.0					
DREDGING AND HAULING					AGITATING		TO AND FROM WHARF OR ANCHORAGE:		00:00		00:00		0.0			
NO. OF LOADS	TOTAL CYS	DISPOSAL AREA		TOTAL CYS		LOSS DUE TO NATURAL ELEMENTS:		00:00		00:00		0.0				
5	10,540	Mobile 102-SW		0		LOSS DUE TO TRAFFIC AND BRIDGES		00:00		00:00		0.0				
						MINOR OPERATING REPAIRS:		00:00		00:48		0.0				
						TRANSFERRING BETWEEN WORKS:		00:00		00:00		0.0				
						LAY TIME:		00:00		00:00		0.0				
						FIRE AND BOAT DRILLS:		00:00		00:00		0.0				
ATTENDANT PLANT					MISCELLANEOUS:		00:00		00:00		0.0					
ITEM		NAME OR NUMBER			H.P.	HOURS	TOTALS:		00:00		00:48		0.0			
40' Crewboat		Cape Anne			400	12:00	LOST TIME:									
							MAJOR REPAIRS AND ALTERATIONS:		00:00		00:00		0.0			
							CESSATION:		00:00		00:00		0.0			
							COLLISIONS:		00:00		00:00		0.0			
							TOTALS:		00:00		00:00		0.0			
							TOTAL TIME/MILES:		00:00		24:00		0.0			

QUALITY CONTROL REPORT-HOPPER DREDGE					PAGE NO. <div>Page 156 of 494</div>	
CONTRACT NO. W91278-16-D-0041 0001		CONTRACT TITLE IDIQ Rental Hopper Dredge in Mobile		CONTRACTOR Dutra Dredging Company		REPORT NO. 78
DREDGE		NAME AND TYPE M/V Columbia			DATE 19 Apr 2016 - Tuesday	
LOADS						
LOAD NUMBER	DREDGING AREA DISPOSAL AREA	START TIME STOP TIME (HH:MM)	PUMPING TURNING (MIN)	TO DUMP DUMPING TO CUT (MIN)	TOTAL TIME DREDGED AMOUNT AGITATED AMOUNT (MIN/CYS)	
1	Sta 880+00 to 940+00 Mobile 102-SW	00:00 00:33	33 0	150 4 90	277 2,635 0	
2	Sta 880+00 to 940+00 Mobile 102-SW	04:37 05:03	26 0	143 4 148	321 2,635 0	
3	Sta 880+00 to 940+00 Mobile 102-SW	10:46 11:19	33 0	148 4 141	326 2,635 0	
4	Sta 880+00 to 940+00 Mobile 102-SW	16:12 16:46	34 0	153 4 149	340 2,635 0	
5	Sta 880+00 to 940+00 Mobile 102-SW	21:52 21:53	1 0	0 0 127	128 0 0	
QC NARRATIVE(S) GENERAL COMMENTS 1392 Minutes @ 100% 48 Minutes @ 0% Minor Repairs						

QUALITY CONTROL REPORT-HOPPER DREDGE										PAGE NO. Page 157 of 494	
CONTRACT NO. W91278-16-D-0041 0001		CONTRACT TITLE IDIQ Rental Hopper Dredge in Mobile					CONTRACTOR Dutra Dredging Company			REPORT NO. 79	
CHARACTER OF REPORT		<input checked="" type="checkbox"/> MAINTENANCE <input type="checkbox"/> NEW WORK							DATE 20 Apr 2016 - Wednesday		
DREDGE (M/V Columbia)		HOPPER CAP: 4,387 CY		AVG VOL OF BIN WATER: 4,387 CY		AVG UNFILLED CAP: 4,387 CY					
		NO. OF CREW MEMBERS	DREDGE 13	OTHER PLANT 5	WORK SCHEDULE	SHIFTS PER DAY 2	DAYS PER WEEK 7				
LOCATION OF WORK		LOCATION CHANNEL Mobile Harbor	REACH DREDGED; STA TO STA Sta 880+00 to 940+00		DISPOSAL AREA USE Mobile 102 -SW		QTY DEPOSITED GROSS(CY) 10,540	CUMULATIVE AND QTY DEPOSIT FOR DA(CY) 693,005			
		AVG LENGTH OF CUT 6,000 FT		AVG WIDTH OF CUT 400 FT		AVG DIST TO DUMP 25 NM					
CHARACTER OF MATERIAL		DENSITY OF MATERIALS					GMS/LITER 1.045				
		DENSITY OF WATER			1.006		GMS/LITER@ 70 °F				
RIVER/TIDE STAGE		MIN 1	TIME 00:00	MAX 0	TIME 00:00	GAGE LOCATION Fowl River					
		MIN 1	TIME 00:00	MAX 0	TIME 00:00	GAGE DATUM MLLW					
WEATHER CONDITION		WEATHER Weather Caused No Delay		TEMP (min / max) 63 °F / 76 °F		VISIBILITY 10		WIND 30			
DRAFT					DISTRIBUTION OF TIME AND MILES RUN						
FORWARD		LIGHT		LOADED				AGITATING (MIN)	DREDGE & HAUL (MIN)	MILES RUN (NAUT MI)	
		8		15		EFFECTIVE WORKING TIME:					
AFT						PUMPING:					
		10		16		00:00		02:34	0.0		
DRAG DEPTH MAX 49 MIN 44					TURNING:		00:00		00:00	0.0	
INDICATORS LAST CHECKED ON 04/17/2016					TO DUMP:		00:00		11:21	0.0	
					CONNECTING:		00:00		00:00	0.0	
AVERAGE SPEED OF DREDGE DURING LOADING				FT/MIN	DUMPING:		00:00		00:16	0.0	
				2	DISCONNECTING:		00:00		00:00	0.0	
AVERAGE SPEED OF DREDGE DURING AGITATING				FT/MIN	TO CUT:		00:00		09:49	0.0	
				0	TOTALS:		00:00		24:00	0.0	
GALLONS OF FUEL OIL CONSUMED				GAL	NON-EFFECTIVE WORKING TIME:						
				3,165	TAKING ON FUEL AND SUPPLIES:		00:00		00:00	0.0	
GALLONS OF WATER CONSUMED				GAL	TO AND FROM WHARF OR ANCHORAGE:		00:00		00:00	0.0	
				561	LOSS DUE TO NATURAL ELEMENTS:		00:00		00:00	0.0	
WORK PERFORMED					LOSS DUE TO TRAFFIC AND BRIDGES		00:00		00:00	0.0	
DREDGING AND HAULING			AGITATING		MINOR OPERATING REPAIRS:		00:00		00:00	0.0	
NO. OF LOADS	TOTAL CYS	DISPOSAL AREA	TOTAL CYS		TRANSFERRING BETWEEN WORKS:		00:00		00:00	0.0	
5	10,540	Mobile 102-SW	0		LAY TIME:		00:00		00:00	0.0	
					FIRE AND BOAT DRILLS:		00:00		00:00	0.0	
ATTENDANT PLANT					MISCELLANEOUS:		00:00		00:00	0.0	
ITEM	NAME OR NUMBER		H.P.	HOURS	TOTALS:		00:00		00:00	0.0	
40' Crewboat	Cape Anne		400	12:00	LOST TIME:						
					MAJOR REPAIRS AND ALTERATIONS:		00:00		00:00	0.0	
					CESSATION:		00:00		00:00	0.0	
					COLLISIONS:		00:00		00:00	0.0	
					TOTALS:		00:00		00:00	0.0	
					TOTAL TIME/MILES:		00:00		24:00	0.0	

QUALITY CONTROL REPORT-HOPPER DREDGE					PAGE NO. Page 158 of 494	
CONTRACT NO. W91278-16-D-0041 0001		CONTRACT TITLE IDIQ Rental Hopper Dredge in Mobile		CONTRACTOR Dutra Dredging Company		REPORT NO. 79
DREDGE		NAME AND TYPE M/V Columbia			DATE 20 Apr 2016 - Wednesday	
LOADS						
LOAD NUMBER	DREDGING AREA DISPOSAL AREA	START TIME STOP TIME (HH:MM)	PUMPING TURNING (MIN)	TO DUMP DUMPING TO CUT (MIN)	TOTAL TIME DREDGED AMOUNT AGITATED AMOUNT (MIN/CYS)	
1	Sta 880+00 to 940+00 Mobile 102-SW	00:00 00:30	30 0	160 4 14	208 2,635 0	
2	Sta 880+00 to 940+00 Mobile 102-SW	03:28 04:04	36 0	154 4 144	338 2,635 0	
3	Sta 880+00 to 940+00 Mobile 102-SW	09:06 09:35	29 0	151 4 140	324 2,635 0	
4	Sta 880+00 to 940+00 Mobile 102-SW	14:30 15:03	33 0	150 4 148	335 2,635 0	
5	Sta 880+00 to 940+00 Mobile 102-SW	20:05 20:31	26 0	66 0 143	235 0 0	
QC NARRATIVE(S) GENERAL COMMENTS 1440 Minutes @ 100%						

QUALITY CONTROL REPORT-HOPPER DREDGE										PAGE NO. Page 159 of 494							
CONTRACT NO. W91278-16-D-0041 0001		CONTRACT TITLE IDIQ Rental Hopper Dredge in Mobile					CONTRACTOR Dutra Dredging Company			REPORT NO. 80							
CHARACTER OF REPORT		<input checked="" type="checkbox"/> MAINTENANCE <input type="checkbox"/> NEW WORK							DATE 21 Apr 2016 - Thursday								
DREDGE (M/V Columbia)		HOPPER CAP: 4,387 CY		AVG VOL OF BIN WATER: 4,387 CY			AVG UNFILLED CAP: 4,387 CY										
		NO. OF CREW MEMBERS	DREDGE 13	OTHER PLANT 5		WORK SCHEDULE		SHIFTS PER DAY 2		DAYS PER WEEK 7							
LOCATION OF WORK		LOCATION CHANNEL Mobile Harbor		REACH DREDGED; STA TO STA Sta 880+00 to 940+00			DISPOSAL AREA USE Mobile 102 -SW		QTY DEPOSITED GROSS(CY) 10,540		CUMULATIVE AND QTY DEPOSIT FOR DA(CY) 703,545						
		AVG LENGTH OF CUT 6,000 FT			AVG WIDTH OF CUT 400 FT			AVG DIST TO DUMP 25 NM									
CHARACTER OF MATERIAL		DENSITY OF MATERIALS						GMS/LITER 1.045									
		DENSITY OF WATER				1.006		GMS/LITER@ 70 °F									
RIVER/TIDE STAGE		MIN 1	TIME 00:00	MAX 0	TIME 00:00	GAGE LOCATION Fowl River											
		MIN 1	TIME 00:00	MAX 0	TIME 00:00	GAGE DATUM MLLW											
WEATHER CONDITION		WEATHER			TEMP (min / max)		VISIBILITY		WIND								
		Weather Caused No Delay			64 °F / 74 °F		10		28								
DRAFT					DISTRIBUTION OF TIME AND MILES RUN												
FORWARD		LIGHT		LOADED				AGITATING (MIN)		DREDGE & HAUL (MIN)		MILES RUN (NAUT MI)					
		8		15		EFFECTIVE WORKING TIME:											
AFT		10		16		PUMPING:		00:00		02:03		0.0					
						TURNING:		00:00		00:00		0.0					
DRAG DEPTH MAX 49 MIN 44					TO DUMP:		00:00		11:21		0.0						
					CONNECTING:		00:00		00:00		0.0						
INDICATORS LAST CHECKED ON 04/17/2016					DUMPING:		00:00		00:16		0.0						
					DISCONNECTING:		00:00		00:00		0.0						
AVERAGE SPEED OF DREDGE DURING LOADING						FT/MIN		2		TO CUT:		00:00		09:32		0.0	
AVERAGE SPEED OF DREDGE DURING AGITATING						FT/MIN		0		TOTALS:		00:00		23:12		0.0	
GALLONS OF FUEL OIL CONSUMED						GAL		2,672		NON-EFFECTIVE WORKING TIME:							
GALLONS OF WATER CONSUMED						GAL		748		TAKING ON FUEL AND SUPPLIES:		00:00		00:00		0.0	
WORK PERFORMED					TO AND FROM WHARF OR ANCHORAGE:		00:00		00:00		0.0						
					LOSS DUE TO NATURAL ELEMENTS:		00:00		00:00		0.0						
DREDGING AND HAULING				AGITATING		LOSS DUE TO TRAFFIC AND BRIDGES		00:00		00:00		0.0					
NO. OF LOADS		TOTAL CYS		DISPOSAL AREA		TOTAL CYS		MINOR OPERATING REPAIRS:		00:00		00:48		0.0			
5		10,540		Mobile 102-SW		0		TRANSFERRING BETWEEN WORKS:		00:00		00:00		0.0			
								LAY TIME:		00:00		00:00		0.0			
								FIRE AND BOAT DRILLS:		00:00		00:00		0.0			
ATTENDANT PLANT					MISCELLANEOUS:		00:00		00:00		0.0						
					TOTALS:		00:00		00:48		0.0						
ITEM		NAME OR NUMBER			H.P.		HOURS		LOST TIME:								
40' Crewboat		Cape Anne			400		12:00		MAJOR REPAIRS AND ALTERATIONS:		00:00		00:00		0.0		
									CESSATION:		00:00		00:00		0.0		
									COLLISIONS:		00:00		00:00		0.0		
									TOTALS:		00:00		00:00		0.0		
									TOTAL TIME/MILES:		00:00		24:00		0.0		

QUALITY CONTROL REPORT-HOPPER DREDGE					PAGE NO. <div>Page 160 of 494</div>	
CONTRACT NO. W91278-16-D-0041 0001		CONTRACT TITLE IDIQ Rental Hopper Dredge in Mobile		CONTRACTOR Dutra Dredging Company		REPORT NO. 80
DREDGE		NAME AND TYPE M/V Columbia			DATE 21 Apr 2016 - Thursday	
LOADS						
LOAD NUMBER	DREDGING AREA DISPOSAL AREA	START TIME STOP TIME (HH:MM)	PUMPING TURNING (MIN)	TO DUMP DUMPING TO CUT (MIN)	TOTAL TIME DREDGED AMOUNT AGITATED AMOUNT (MIN/CYS)	
1	Sta 880+00 to 940+00 Mobile 102-SW	00:00 00:01	1 0	85 4 0	90 2,635 0	
2	Sta 880+00 to 940+00 Mobile 102-SW	01:30 02:00	30 0	144 4 152	330 2,635 0	
3	Sta 880+00 to 940+00 Mobile 102-SW	07:00 07:31	31 0	164 4 137	336 2,635 0	
4	Sta 880+00 to 940+00 Mobile 102-SW	12:36 13:06	30 0	147 4 140	321 2,635 0	
5	Sta 880+00 to 940+00 Mobile 102-SW	17:57 18:28	31 0	141 0 143	315 0 0	
QC NARRATIVE(S) GENERAL COMMENTS 1392 Minutes @ 100% 48 Minutes @ 0% Minor Repairs						

QUALITY CONTROL REPORT-HOPPER DREDGE										PAGE NO. Page 161 of 494	
CONTRACT NO. W91278-16-D-0041 0001		CONTRACT TITLE IDIQ Rental Hopper Dredge in Mobile					CONTRACTOR Dutra Dredging Company			REPORT NO. 81	
CHARACTER OF REPORT		<input checked="" type="checkbox"/> MAINTENANCE <input type="checkbox"/> NEW WORK							DATE 22 Apr 2016 - Friday		
DREDGE (M/V Columbia)		HOPPER CAP: 4,387 CY		AVG VOL OF BIN WATER: 4,387 CY		AVG UNFILLED CAP: 4,387 CY					
		NO. OF CREW MEMBERS	DREDGE 13	OTHER PLANT 5	WORK SCHEDULE	SHIFTS PER DAY 2	DAYS PER WEEK 7				
LOCATION OF WORK		LOCATION CHANNEL Mobile Harbor	REACH DREDGED; STA TO STA Sta 880+00 to 940+00		DISPOSAL AREA USE Mobile 102 -SW		QTY DEPOSITED GROSS(CY) 13,175	CUMULATIVE AND QTY DEPOSIT FOR DA(CY) 716,720			
		AVG LENGTH OF CUT 6,000 FT		AVG WIDTH OF CUT 400 FT		AVG DIST TO DUMP 25 NM					
CHARACTER OF MATERIAL		DENSITY OF MATERIALS						GMS/LITER 1.045			
		DENSITY OF WATER			1.006			GMS/LITER@ 70 °F			
RIVER/TIDE STAGE		MIN 2	TIME 00:00	MAX 0	TIME 00:00	GAGE LOCATION Fowl River					
		MIN 2	TIME 00:00	MAX 0	TIME 00:00	GAGE DATUM MLLW					
WEATHER CONDITION		WEATHER Weather Caused No Delay		TEMP (min / max) 66 °F / 78 °F		VISIBILITY 10		WIND 24			
DRAFT					DISTRIBUTION OF TIME AND MILES RUN						
FORWARD	LIGHT		LOADED			AGITATING (MIN)	DREDGE & HAUL (MIN)	MILES RUN (NAUT MI)			
	8		15		EFFECTIVE WORKING TIME:						
AFT	10		16		PUMPING: 00:00 02:05 0.0						
					TURNING: 00:00 00:00 0.0						
DRAG DEPTH MAX 49 MIN 44					TO DUMP: 00:00 09:52 0.0						
					CONNECTING: 00:00 00:00 0.0						
INDICATORS LAST CHECKED ON 04/17/2016					DUMPING: 00:00 00:51 0.0						
					DISCONNECTING: 00:00 00:00 0.0						
AVERAGE SPEED OF DREDGE DURING LOADING				FT/MIN 2	TO CUT: 00:00 10:52 0.0						
AVERAGE SPEED OF DREDGE DURING AGITATING				FT/MIN 0	TOTALS: 00:00 23:40 0.0						
GALLONS OF FUEL OIL CONSUMED				GAL 3,537	NON-EFFECTIVE WORKING TIME:						
GALLONS OF WATER CONSUMED				GAL 561	TAKING ON FUEL AND SUPPLIES: 00:00 00:00 0.0						
WORK PERFORMED					TO AND FROM WHARF OR ANCHORAGE: 00:00 00:00 0.0						
DREDGING AND HAULING				AGITATING		LOSS DUE TO NATURAL ELEMENTS: 00:00 00:00 0.0					
NO. OF LOADS	TOTAL CYS	DISPOSAL AREA		TOTAL CYS		LOSS DUE TO TRAFFIC AND BRIDGES 00:00 00:20 0.0					
6	13,175	Mobile 102-SW		0		MINOR OPERATING REPAIRS: 00:00 00:00 0.0					
						TRANSFERRING BETWEEN WORKS: 00:00 00:00 0.0					
						LAY TIME: 00:00 00:00 0.0					
ATTENDANT PLANT					FIRE AND BOAT DRILLS: 00:00 00:00 0.0						
ITEM	NAME OR NUMBER		H.P.	HOURS	MISCELLANEOUS: 00:00 00:00 0.0						
40' Crewboat	Cape Anne		400	12:00	TOTALS: 00:00 00:20 0.0						
					LOST TIME:						
					MAJOR REPAIRS AND ALTERATIONS: 00:00 00:00 0.0						
					CESSATION: 00:00 00:00 0.0						
					COLLISIONS: 00:00 00:00 0.0						
					TOTALS: 00:00 00:00 0.0						
					TOTAL TIME/MILES: 00:00 24:00 0.0						

QUALITY CONTROL REPORT-HOPPER DREDGE			PAGE NO. Page 162 of 494
CONTRACT NO. W91278-16-D-0041 0001	CONTRACT TITLE IDIQ Rental Hopper Dredge in Mobile	CONTRACTOR Dutra Dredging Company	REPORT NO. 81
DREDGE	NAME AND TYPE M/V Columbia		DATE 22 Apr 2016 - Friday

LOADS					
LOAD NUMBER	DREDGING AREA DISPOSAL AREA	START TIME STOP TIME (HH:MM)	PUMPING TURNING (MIN)	TO DUMP DUMPING TO CUT (MIN)	TOTAL TIME DREDGED AMOUNT AGITATED AMOUNT (MIN/CYS)
1	Sta 880+00 to 940+00 Mobile 102-SW	00:00 00:01	1 0	5 4 0	10 2,635 0
2	Sta 880+00 to 940+00 Mobile 102-SW	00:10 00:42	32 0	144 4 144	324 2,635 0
3	Sta 880+00 to 940+00 Mobile 102-SW	05:34 06:07	33 0	155 35 140	363 2,635 0
4	Sta 880+00 to 940+00 Mobile 102-SW	11:37 12:06	29 0	139 4 146	318 2,635 0
5	Sta 880+00 to 940+00 Mobile 102-SW	17:15 17:44	29 0	149 4 161	343 2,635 0
6	Sta 880+00 to 940+00 Mobile 102-SW	22:58 22:59	1 0	0 0 61	62 0 0

QC NARRATIVE(S)

GENERAL COMMENTS

1420 Minutes @ 100%

20 Minutes @ 70% Traffic

QUALITY CONTROL REPORT-HOPPER DREDGE										PAGE NO. Page 163 of 494	
CONTRACT NO. W91278-16-D-0041 0001		CONTRACT TITLE IDIQ Rental Hopper Dredge in Mobile					CONTRACTOR Dutra Dredging Company			REPORT NO. 82	
CHARACTER OF REPORT		<input checked="" type="checkbox"/> MAINTENANCE <input type="checkbox"/> NEW WORK							DATE 23 Apr 2016 - Saturday		
DREDGE (M/V Columbia)		HOPPER CAP: 4,387 CY		AVG VOL OF BIN WATER: 4,387 CY			AVG UNFILLED CAP: 4,387 CY				
		NO. OF CREW MEMBERS	DREDGE 13	OTHER PLANT 5	WORK SCHEDULE	SHIFTS PER DAY 2	DAYS PER WEEK 7				
LOCATION OF WORK		LOCATION CHANNEL Mobile Harbor	REACH DREDGED; STA TO STA Sta 880+00 to 940+00			DISPOSAL AREA USE Mobile 102 -SW	QTY DEPOSITED GROSS(CY) 10,540	CUMULATIVE AND QTY DEPOSIT FOR DA(CY) 727,260			
		AVG LENGTH OF CUT 6,000 FT		AVG WIDTH OF CUT 400 FT		AVG DIST TO DUMP 25 NM					
CHARACTER OF MATERIAL		DENSITY OF MATERIALS						GMS/LITER 1.045			
		DENSITY OF WATER			1.006			GMS/LITER@ 70 °F			
RIVER/TIDE STAGE		MIN 1	TIME 00:00	MAX 0	TIME 00:00	GAGE LOCATION Fowl River					
		MIN 1	TIME 00:00	MAX 0	TIME 00:00	GAGE DATUM MLLW					
WEATHER CONDITION		WEATHER Weather Caused No Delay			TEMP (min / max) 63 °F / 81 °F		VISIBILITY 10	WIND 23			
DRAFT					DISTRIBUTION OF TIME AND MILES RUN						
FORWARD	LIGHT		LOADED			AGITATING (MIN)	DREDGE & HAUL (MIN)	MILES RUN (NAUT MI)			
	8		15		EFFECTIVE WORKING TIME:						
AFT	10		16		PUMPING:	00:00	02:08	0.0			
					TURNING:	00:00	00:00	0.0			
DRAG DEPTH MAX 49 MIN 44					TO DUMP:	00:00	10:05	0.0			
					CONNECTING:	00:00	00:00	0.0			
INDICATORS LAST CHECKED ON 04/17/2016					DUMPING:	00:00	00:16	0.0			
					DISCONNECTING:	00:00	00:00	0.0			
AVERAGE SPEED OF DREDGE DURING LOADING				FT/MIN 2	TO CUT:	00:00	11:01	0.0			
AVERAGE SPEED OF DREDGE DURING AGITATING				FT/MIN 0	TOTALS:	00:00	23:30	0.0			
GALLONS OF FUEL OIL CONSUMED				GAL 2,441	NON-EFFECTIVE WORKING TIME:						
GALLONS OF WATER CONSUMED				GAL 934	TAKING ON FUEL AND SUPPLIES:	00:00	00:00	0.0			
WORK PERFORMED					TO AND FROM WHARF OR ANCHORAGE:	00:00	00:00	0.0			
DREDGING AND HAULING				AGITATING	LOSS DUE TO NATURAL ELEMENTS:	00:00	00:00	0.0			
NO. OF LOADS	TOTAL CYS	DISPOSAL AREA	TOTAL CYS		LOSS DUE TO TRAFFIC AND BRIDGES	00:00	00:00	0.0			
5	10,540	Mobile 102-SW	0		MINOR OPERATING REPAIRS:	00:00	00:30	0.0			
					TRANSFERRING BETWEEN WORKS:	00:00	00:00	0.0			
					LAY TIME:	00:00	00:00	0.0			
					FIRE AND BOAT DRILLS:	00:00	00:00	0.0			
ATTENDANT PLANT					MISCELLANEOUS:	00:00	00:00	0.0			
ITEM	NAME OR NUMBER		H.P.	HOURS	TOTALS:	00:00	00:30	0.0			
40' Crewboat	Cape Anne		400	12:00	LOST TIME:						
					MAJOR REPAIRS AND ALTERATIONS:	00:00	00:00	0.0			
					CESSATION:	00:00	00:00	0.0			
					COLLISIONS:	00:00	00:00	0.0			
					TOTALS:	00:00	00:00	0.0			
					TOTAL TIME/MILES:	00:00	24:00	0.0			

QUALITY CONTROL REPORT-HOPPER DREDGE					PAGE NO. <div>Page 164 of 494</div>	
CONTRACT NO. W91278-16-D-0041 0001		CONTRACT TITLE IDIQ Rental Hopper Dredge in Mobile		CONTRACTOR Dutra Dredging Company		REPORT NO. 82
DREDGE		NAME AND TYPE M/V Columbia			DATE 23 Apr 2016 - Saturday	
LOADS						
LOAD NUMBER	DREDGING AREA DISPOSAL AREA	START TIME STOP TIME (HH:MM)	PUMPING TURNING (MIN)	TO DUMP DUMPING TO CUT (MIN)	TOTAL TIME DREDGED AMOUNT AGITATED AMOUNT (MIN/CYS)	
1	Sta 880+00 to 940+00 Mobile 102-SW	00:00 00:27	27 0	153 4 83	267 2,635 0	
2	Sta 880+00 to 940+00 Mobile 102-SW	04:27 05:02	35 0	160 4 149	348 2,635 0	
3	Sta 880+00 to 940+00 Mobile 102-SW	10:15 10:46	31 0	146 4 138	319 2,635 0	
4	Sta 880+00 to 940+00 Mobile 102-SW	15:34 16:08	34 0	146 4 152	336 2,635 0	
5	Sta 880+00 to 940+00 Mobile 102-SW	21:10 21:11	1 0	0 0 139	140 0 0	
QC NARRATIVE(S) GENERAL COMMENTS 1410 Minutes @ 100% 30 Minutes @ 0% Minor Repairs						

QUALITY CONTROL REPORT-HOPPER DREDGE										PAGE NO. Page 165 of 494			
CONTRACT NO. W91278-16-D-0041 0001		CONTRACT TITLE IDIQ Rental Hopper Dredge in Mobile					CONTRACTOR Dutra Dredging Company			REPORT NO. 83			
CHARACTER OF REPORT		<input checked="" type="checkbox"/> MAINTENANCE <input type="checkbox"/> NEW WORK							DATE 24 Apr 2016 - Sunday				
DREDGE (M/V Columbia)		HOPPER CAP: 4,387 CY		AVG VOL OF BIN WATER: 4,387 CY			AVG UNFILLED CAP: 4,387 CY						
		NO. OF CREW MEMBERS	DREDGE 13	OTHER PLANT 5	WORK SCHEDULE	SHIFTS PER DAY 2	DAYS PER WEEK 7						
LOCATION OF WORK		LOCATION CHANNEL Mobile Harbor	REACH DREDGED; STA TO STA Sta 880+00 to 940+00			DISPOSAL AREA USE Mobile 102 -SW	QTY DEPOSITED GROSS(CY) 10,540	CUMULATIVE AND QTY DEPOSIT FOR DA(CY) 737,800					
		AVG LENGTH OF CUT 6,000 FT		AVG WIDTH OF CUT 400 FT		AVG DIST TO DUMP 25 NM							
CHARACTER OF MATERIAL		DENSITY OF MATERIALS						GMS/LITER 1.045					
		DENSITY OF WATER			1.006			GMS/LITER@ 70 °F					
RIVER/TIDE STAGE		MIN 1	TIME 00:00	MAX 0	TIME 00:00	GAGE LOCATION Fowl River							
		MIN 1	TIME 00:00	MAX 0	TIME 00:00	GAGE DATUM MLLW							
WEATHER CONDITION		WEATHER			TEMP (min / max)		VISIBILITY	WIND					
		Weather Caused No Delay			62 °F / 81 °F		10	30					
DRAFT					DISTRIBUTION OF TIME AND MILES RUN								
FORWARD	LIGHT		LOADED			AGITATING (MIN)	DREDGE & HAUL (MIN)	MILES RUN (NAUT MI)					
	8		15		EFFECTIVE WORKING TIME:								
AFT	10		16		PUMPING:	00:00	02:02	0.0					
					TURNING:	00:00	00:00	0.0					
DRAG DEPTH MAX 49 MIN 44						TO DUMP:	00:00	10:26	0.0				
						CONNECTING:	00:00	00:00	0.0				
INDICATORS LAST CHECKED ON 04/17/2016						DUMPING:	00:00	00:21	0.0				
						DISCONNECTING:	00:00	00:00	0.0				
AVERAGE SPEED OF DREDGE DURING LOADING				FT/MIN	2	TO CUT:	00:00	09:45	0.0				
AVERAGE SPEED OF DREDGE DURING AGITATING				FT/MIN	0	TOTALS:	00:00	22:34	0.0				
GALLONS OF FUEL OIL CONSUMED				GAL	2,575	NON-EFFECTIVE WORKING TIME:							
GALLONS OF WATER CONSUMED				GAL	560	TAKING ON FUEL AND SUPPLIES:	00:00	00:00	0.0				
WORK PERFORMED							TO AND FROM WHARF OR ANCHORAGE:	00:00	00:00	0.0			
							LOSS DUE TO NATURAL ELEMENTS:	00:00	00:00	0.0			
DREDGING AND HAULING				AGITATING				LOSS DUE TO TRAFFIC AND BRIDGES	00:00	00:00	0.0		
NO. OF LOADS	TOTAL CYS	DISPOSAL AREA		TOTAL CYS				MINOR OPERATING REPAIRS:	00:00	01:26	0.0		
5	10,540	Mobile 102-SW		0				TRANSFERRING BETWEEN WORKS:	00:00	00:00	0.0		
								LAY TIME:	00:00	00:00	0.0		
								FIRE AND BOAT DRILLS:	00:00	00:00	0.0		
ATTENDANT PLANT							MISCELLANEOUS:	00:00	00:00	0.0			
							TOTALS:	00:00	01:26	0.0			
ITEM	NAME OR NUMBER		H.P.	HOURS	LOST TIME:								
40' Crewboat	Cape Anne		400	12:00					MAJOR REPAIRS AND ALTERATIONS:	00:00	00:00	0.0	
									CESSATION:	00:00	00:00	0.0	
									COLLISIONS:	00:00	00:00	0.0	
									TOTALS:	00:00	00:00	0.0	
									TOTAL TIME/MILES:	00:00	24:00	0.0	

QUALITY CONTROL REPORT-HOPPER DREDGE					PAGE NO. <div>Page 166 of 494</div>	
CONTRACT NO. W91278-16-D-0041 0001		CONTRACT TITLE IDIQ Rental Hopper Dredge in Mobile		CONTRACTOR Dutra Dredging Company		REPORT NO. 83
DREDGE		NAME AND TYPE M/V Columbia			DATE 24 Apr 2016 - Sunday	
LOADS						
LOAD NUMBER	DREDGING AREA DISPOSAL AREA	START TIME STOP TIME (HH:MM)	PUMPING TURNING (MIN)	TO DUMP DUMPING TO CUT (MIN)	TOTAL TIME DREDGED AMOUNT AGITATED AMOUNT (MIN/CYS)	
1	Sta 880+00 to 940+00 Mobile 102-SW	00:00 00:26	26 0	175 4 0	205 2,635 0	
2	Sta 880+00 to 940+00 Mobile 102-SW	03:48 04:19	31 0	163 9 133	336 2,635 0	
3	Sta 880+00 to 940+00 Mobile 102-SW	09:24 09:55	31 0	144 4 159	338 2,635 0	
4	Sta 880+00 to 940+00 Mobile 102-SW	15:55 16:28	33 0	144 4 143	324 2,635 0	
5	Sta 880+00 to 940+00 Mobile 102-SW	21:19 21:20	1 0	0 0 150	151 0 0	
QC NARRATIVE(S) GENERAL COMMENTS 1354 Minutes @ 100% 86 Minutes @ 0% Minor Repairs						

QUALITY CONTROL REPORT-HOPPER DREDGE										PAGE NO. Page 167 of 494	
CONTRACT NO. W91278-16-D-0041 0001		CONTRACT TITLE IDIQ Rental Hopper Dredge in Mobile					CONTRACTOR Dutra Dredging Company			REPORT NO. 84	
CHARACTER OF REPORT		<input checked="" type="checkbox"/> MAINTENANCE <input type="checkbox"/> NEW WORK							DATE 25 Apr 2016 - Monday		
DREDGE (M/V Columbia)		HOPPER CAP: 4,387 CY		AVG VOL OF BIN WATER: 4,387 CY		AVG UNFILLED CAP: 4,387 CY					
		NO. OF CREW MEMBERS	DREDGE 13	OTHER PLANT 5	WORK SCHEDULE	SHIFTS PER DAY 2	DAYS PER WEEK 7				
LOCATION OF WORK		LOCATION CHANNEL Mobile Harbor	REACH DREDGED; STA TO STA Sta 880+00 to 940+00		DISPOSAL AREA USE Mobile 102 -SW		QTY DEPOSITED GROSS(CY) 10,540	CUMULATIVE AND QTY DEPOSIT FOR DA(CY) 748,340			
		AVG LENGTH OF CUT 6,000 FT		AVG WIDTH OF CUT 400 FT		AVG DIST TO DUMP 25 NM					
CHARACTER OF MATERIAL		DENSITY OF MATERIALS					GMS/LITER 1.045				
		DENSITY OF WATER			1.006		GMS/LITER@ 70 °F				
RIVER/TIDE STAGE		MIN 1	TIME 00:00	MAX 0	TIME 00:00	GAGE LOCATION Fowl River					
		MIN 2	TIME 00:00	MAX 0	TIME 00:00	GAGE DATUM MLLW					
WEATHER CONDITION		WEATHER Weather Caused No Delay		TEMP (min / max) 65 °F / 79 °F		VISIBILITY 10		WIND 34			
DRAFT					DISTRIBUTION OF TIME AND MILES RUN						
FORWARD	LIGHT		LOADED			AGITATING (MIN)	DREDGE & HAUL (MIN)	MILES RUN (NAUT MI)			
	8		15		EFFECTIVE WORKING TIME:						
AFT	10		16		PUMPING:	00:00	02:33	0.0			
DRAG DEPTH MAX 49 MIN 44 INDICATORS LAST CHECKED ON 04/17/2016 AVERAGE SPEED OF DREDGE DURING LOADING FT/MIN 2 AVERAGE SPEED OF DREDGE DURING AGITATING FT/MIN 0 GALLONS OF FUEL OIL CONSUMED GAL 2,792 GALLONS OF WATER CONSUMED GAL 672 WORK PERFORMED DREDGING AND HAULING AGITATING NO. OF LOADS TOTAL CYS DISPOSAL AREA TOTAL CYS 5 10,540 Mobile 102-SW 0 ATTENDANT PLANT ITEM NAME OR NUMBER H.P. HOURS 40' Crewboat Cape Anne 400 12:00					TURNING:	00:00	00:00	0.0			
					TO DUMP:	00:00	10:31	0.0			
					CONNECTING:	00:00	00:00	0.0			
					DUMPING:	00:00	00:52	0.0			
					DISCONNECTING:	00:00	00:00	0.0			
					TO CUT:	00:00	09:27	0.0			
					TOTALS:	00:00	23:23	0.0			
NON-EFFECTIVE WORKING TIME:											
TAKING ON FUEL AND SUPPLIES: 00:00 00:00 0.0 TO AND FROM WHARF OR ANCHORAGE: 00:00 00:00 0.0 LOSS DUE TO NATURAL ELEMENTS: 00:00 00:00 0.0 LOSS DUE TO TRAFFIC AND BRIDGES 00:00 00:00 0.0 MINOR OPERATING REPAIRS: 00:00 00:37 0.0 TRANSFERRING BETWEEN WORKS: 00:00 00:00 0.0 LAY TIME: 00:00 00:00 0.0 FIRE AND BOAT DRILLS: 00:00 00:00 0.0 MISCELLANEOUS: 00:00 00:00 0.0 TOTALS: 00:00 00:37 0.0 LOST TIME:											
					MAJOR REPAIRS AND ALTERATIONS: 00:00 00:00 0.0						
					CESSATION: 00:00 00:00 0.0						
					COLLISIONS: 00:00 00:00 0.0						
					TOTALS: 00:00 00:00 0.0						
					TOTAL TIME/MILES: 00:00 24:00 0.0						

QUALITY CONTROL REPORT-HOPPER DREDGE					PAGE NO. <div>Page 168 of 494</div>	
CONTRACT NO. W91278-16-D-0041 0001		CONTRACT TITLE IDIQ Rental Hopper Dredge in Mobile		CONTRACTOR Dutra Dredging Company		REPORT NO. 84
DREDGE		NAME AND TYPE M/V Columbia			DATE 25 Apr 2016 - Monday	
LOADS						
LOAD NUMBER	DREDGING AREA DISPOSAL AREA	START TIME STOP TIME (HH:MM)	PUMPING TURNING (MIN)	TO DUMP DUMPING TO CUT (MIN)	TOTAL TIME DREDGED AMOUNT AGITATED AMOUNT (MIN/CYS)	
1	Sta 880+00 to 940+00 Mobile 102-SW	00:00 00:28	28 0	147 4 0	179 2,635 0	
2	Sta 880+00 to 940+00 Mobile 102-SW	03:36 04:08	32 0	158 40 132	362 2,635 0	
3	Sta 880+00 to 940+00 Mobile 102-SW	09:38 10:09	31 0	144 4 148	327 2,635 0	
4	Sta 880+00 to 940+00 Mobile 102-SW	15:05 15:36	31 0	151 4 140	326 2,635 0	
5	Sta 880+00 to 940+00 Mobile 102-SW	20:31 21:02	31 0	31 0 147	209 0 0	
QC NARRATIVE(S) GENERAL COMMENTS 1403 Minutes @ 100% 37 Minutes @ 0% Minor Repairs						

QUALITY CONTROL REPORT-HOPPER DREDGE										PAGE NO. Page 169 of 494	
CONTRACT NO. W91278-16-D-0041 0001		CONTRACT TITLE IDIQ Rental Hopper Dredge in Mobile					CONTRACTOR Dutra Dredging Company			REPORT NO. 85	
CHARACTER OF REPORT		<input checked="" type="checkbox"/> MAINTENANCE <input type="checkbox"/> NEW WORK							DATE 26 Apr 2016 - Tuesday		
DREDGE (M/V Columbia)		HOPPER CAP: 4,387 CY		AVG VOL OF BIN WATER: 4,387 CY		AVG UNFILLED CAP: 4,387 CY					
		NO. OF CREW MEMBERS	DREDGE 13	OTHER PLANT 5	WORK SCHEDULE	SHIFTS PER DAY 2	DAYS PER WEEK 7				
LOCATION OF WORK		LOCATION CHANNEL Mobile Harbor	REACH DREDGED; STA TO STA Sta 880+00 to 940+00		DISPOSAL AREA USE Mobile 102 -SW		QTY DEPOSITED GROSS(CY) 10,540	CUMULATIVE AND QTY DEPOSIT FOR DA(CY) 758,880			
		AVG LENGTH OF CUT 6,000 FT		AVG WIDTH OF CUT 400 FT		AVG DIST TO DUMP 25 NM					
CHARACTER OF MATERIAL		DENSITY OF MATERIALS					GMS/LITER 1.045				
		DENSITY OF WATER			1.006		GMS/LITER@ 70 °F				
RIVER/TIDE STAGE		MIN 2	TIME 00:00	MAX 0	TIME 00:00	GAGE LOCATION Fowl River					
		MIN 2	TIME 00:00	MAX 0	TIME 00:00	GAGE DATUM MLLW					
WEATHER CONDITION		WEATHER		TEMP (min / max)		VISIBILITY		WIND			
		Weather Caused No Delay		67 °F / 80 °F		10		34			
DRAFT					DISTRIBUTION OF TIME AND MILES RUN						
FORWARD		LIGHT		LOADED				AGITATING (MIN)	DREDGE & HAUL (MIN)	MILES RUN (NAUT MI)	
		8		15				EFFECTIVE WORKING TIME:			
AFT											
		10		16							
DRAG DEPTH MAX 49 MIN 44					PUMPING:		00:00	02:10	0.0		
INDICATORS LAST CHECKED ON 04/17/2016					TURNING:		00:00	00:21	0.0		
					TO DUMP:		00:00	11:28	0.0		
AVERAGE SPEED OF DREDGE DURING LOADING				FT/MIN	CONNECTING:		00:00	00:00	0.0		
				2	DUMPING:		00:00	00:16	0.0		
AVERAGE SPEED OF DREDGE DURING AGITATING				FT/MIN	DISCONNECTING:		00:00	00:00	0.0		
				0	TO CUT:		00:00	09:45	0.0		
GALLONS OF FUEL OIL CONSUMED				GAL	TOTALS:		00:00	24:00	0.0		
				2,562	NON-EFFECTIVE WORKING TIME:						
GALLONS OF WATER CONSUMED				GAL	TAKING ON FUEL AND SUPPLIES:		00:00	00:00	0.0		
				896	TO AND FROM WHARF OR ANCHORAGE:		00:00	00:00	0.0		
WORK PERFORMED					LOSS DUE TO NATURAL ELEMENTS:		00:00	00:00	0.0		
DREDGING AND HAULING				AGITATING		LOSS DUE TO TRAFFIC AND BRIDGES		00:00	00:00	0.0	
NO. OF LOADS	TOTAL CYS	DISPOSAL AREA		TOTAL CYS		MINOR OPERATING REPAIRS:		00:00	00:00	0.0	
5	10,540	Mobile 102-SW		0		TRANSFERRING BETWEEN WORKS:		00:00	00:00	0.0	
						LAY TIME:		00:00	00:00	0.0	
						FIRE AND BOAT DRILLS:		00:00	00:00	0.0	
ATTENDANT PLANT					MISCELLANEOUS:		00:00	00:00	0.0		
ITEM	NAME OR NUMBER		H.P.	HOURS	TOTALS:		00:00	00:00	0.0		
40' Crewboat	Cape Anne		400	12:00	LOST TIME:						
					MAJOR REPAIRS AND ALTERATIONS:		00:00	00:00	0.0		
					CESSATION:		00:00	00:00	0.0		
					COLLISIONS:		00:00	00:00	0.0		
					TOTALS:		00:00	00:00	0.0		
					TOTAL TIME/MILES:		00:00	24:00	0.0		

QUALITY CONTROL REPORT-HOPPER DREDGE					PAGE NO. Page 170 of 494	
CONTRACT NO. W91278-16-D-0041 0001		CONTRACT TITLE IDIQ Rental Hopper Dredge in Mobile		CONTRACTOR Dutra Dredging Company		REPORT NO. 85
DREDGE		NAME AND TYPE M/V Columbia			DATE 26 Apr 2016 - Tuesday	
LOADS						
LOAD NUMBER	DREDGING AREA DISPOSAL AREA	START TIME STOP TIME (HH:MM)	PUMPING TURNING (MIN)	TO DUMP DUMPING TO CUT (MIN)	TOTAL TIME DREDGED AMOUNT AGITATED AMOUNT (MIN/CYS)	
1	Sta 880+00 to 940+00 Mobile 102-SW	00:00 00:01	1 0	136 4 0	141 2,635 0	
2	Sta 880+00 to 940+00 Mobile 102-SW	02:21 02:59	32 6	159 4 151	352 2,635 0	
3	Sta 880+00 to 940+00 Mobile 102-SW	08:13 08:49	32 4	146 4 151	337 2,635 0	
4	Sta 880+00 to 940+00 Mobile 102-SW	13:50 14:32	35 7	144 4 136	326 2,635 0	
5	Sta 880+00 to 940+00 Mobile 102-SW	19:16 19:50	30 4	103 0 147	284 0 0	
QC NARRATIVE(S)						
GENERAL COMMENTS						
1440 Minutes @ 100%						

QUALITY CONTROL REPORT-HOPPER DREDGE										PAGE NO. Page 171 of 494								
CONTRACT NO. W91278-16-D-0041 0001		CONTRACT TITLE IDIQ Rental Hopper Dredge in Mobile					CONTRACTOR Dutra Dredging Company			REPORT NO. 86								
CHARACTER OF REPORT		<input checked="" type="checkbox"/> MAINTENANCE <input type="checkbox"/> NEW WORK							DATE 27 Apr 2016 - Wednesday									
DREDGE (M/V Columbia)		HOPPER CAP: 4,387 CY		AVG VOL OF BIN WATER: 4,387 CY		AVG UNFILLED CAP: 4,387 CY												
		NO. OF CREW MEMBERS	DREDGE 13	OTHER PLANT 5	WORK SCHEDULE	SHIFTS PER DAY 2	DAYS PER WEEK 7											
LOCATION OF WORK		LOCATION CHANNEL Mobile Harbor		REACH DREDGED; STA TO STA Sta 880+00 to 940+00		DISPOSAL AREA USE Mobile 102 -SW		QTY DEPOSITED GROSS(CY) 10,540		CUMULATIVE AND QTY DEPOSIT FOR DA(CY) 769,420								
		AVG LENGTH OF CUT 6,000 FT		AVG WIDTH OF CUT 400 FT		AVG DIST TO DUMP 25 NM												
CHARACTER OF MATERIAL		DENSITY OF MATERIALS						GMS/LITER 1.045										
		DENSITY OF WATER				1.006		GMS/LITER@ 70 °F										
RIVER/TIDE STAGE		MIN 2	TIME 00:00	MAX 0	TIME 00:00	GAGE LOCATION Fowl River												
		MIN 2	TIME 00:00	MAX 0	TIME 00:00	GAGE DATUM MLLW												
WEATHER CONDITION		WEATHER			TEMP (min / max)		VISIBILITY		WIND									
		Weather Caused No Delay			67 °F / 78 °F		10		37									
DRAFT					DISTRIBUTION OF TIME AND MILES RUN													
FORWARD		LIGHT		LOADED				AGITATING (MIN)		DREDGE & HAUL (MIN)		MILES RUN (NAUT MI)						
		8		15		EFFECTIVE WORKING TIME:												
AFT		10		16		PUMPING:		00:00		01:54		0.0						
						TURNING:		00:00		00:19		0.0						
DRAG DEPTH MAX 49 MIN 44					TO DUMP:		00:00		09:52		0.0							
					CONNECTING:		00:00		00:00		0.0							
INDICATORS LAST CHECKED ON 04/17/2016					DUMPING:		00:00		00:48		0.0							
					DISCONNECTING:		00:00		00:00		0.0							
AVERAGE SPEED OF DREDGE DURING LOADING							FT/MIN		2		TO CUT:		00:00		10:34		0.0	
AVERAGE SPEED OF DREDGE DURING AGITATING							FT/MIN		0		TOTALS:		00:00		23:27		0.0	
GALLONS OF FUEL OIL CONSUMED							GAL		2,161		NON-EFFECTIVE WORKING TIME:							
GALLONS OF WATER CONSUMED							GAL		672		TAKING ON FUEL AND SUPPLIES:		00:00		00:00		0.0	
WORK PERFORMED											TO AND FROM WHARF OR ANCHORAGE:		00:00		00:00		0.0	
													LOSS DUE TO NATURAL ELEMENTS:		00:00		00:00	
DREDGING AND HAULING				AGITATING						LOSS DUE TO TRAFFIC AND BRIDGES		00:00		00:33		0.0		
NO. OF LOADS	TOTAL CYS	DISPOSAL AREA		TOTAL CYS						MINOR OPERATING REPAIRS:		00:00		00:00		0.0		
5	10,540	Mobile 102-SW		0						TRANSFERRING BETWEEN WORKS:		00:00		00:00		0.0		
										LAY TIME:		00:00		00:00		0.0		
										FIRE AND BOAT DRILLS:		00:00		00:00		0.0		
ATTENDANT PLANT											MISCELLANEOUS:		00:00		00:00		0.0	
													TOTALS:		00:00		00:33	
ITEM		NAME OR NUMBER		H.P.		HOURS		LOST TIME:										
40' Crewboat		Cape Anne		400		12:00												
										MAJOR REPAIRS AND ALTERATIONS:		00:00		00:00		0.0		
										CESSATION:		00:00		00:00		0.0		
										COLLISIONS:		00:00		00:00		0.0		
										TOTALS:		00:00		00:00		0.0		
										TOTAL TIME/MILES:		00:00		24:00		0.0		

QUALITY CONTROL REPORT-HOPPER DREDGE					PAGE NO. <div>Page 172 of 494</div>	
CONTRACT NO. W91278-16-D-0041 0001		CONTRACT TITLE IDIQ Rental Hopper Dredge in Mobile		CONTRACTOR Dutra Dredging Company		REPORT NO. 86
DREDGE		NAME AND TYPE M/V Columbia			DATE 27 Apr 2016 - Wednesday	
LOADS						
LOAD NUMBER	DREDGING AREA DISPOSAL AREA	START TIME STOP TIME (HH:MM)	PUMPING TURNING (MIN)	TO DUMP DUMPING TO CUT (MIN)	TOTAL TIME DREDGED AMOUNT AGITATED AMOUNT (MIN/CYS)	
1	Sta 880+00 to 940+00 Mobile 102-SW	00:00 00:01	1 0	45 4 0	50 2,635 0	
2	Sta 880+00 to 940+00 Mobile 102-SW	00:50 01:23	27 6	164 20 142	359 2,635 0	
3	Sta 880+00 to 940+00 Mobile 102-SW	06:49 07:14	25 0	153 20 155	353 2,635 0	
4	Sta 880+00 to 940+00 Mobile 102-SW	12:42 13:23	28 13	157 4 150	352 2,635 0	
5	Sta 880+00 to 940+00 Mobile 102-SW	19:07 19:40	33 0	73 0 187	293 0 0	
QC NARRATIVE(S) GENERAL COMMENTS 1407 Minutes @ 100% 33 Minutes @ 70%						

QUALITY CONTROL REPORT-HOPPER DREDGE										PAGE NO. Page 173 of 494											
CONTRACT NO. W91278-16-D-0041 0001		CONTRACT TITLE IDIQ Rental Hopper Dredge in Mobile					CONTRACTOR Dutra Dredging Company			REPORT NO. 87											
CHARACTER OF REPORT		<input checked="" type="checkbox"/> MAINTENANCE <input type="checkbox"/> NEW WORK							DATE 28 Apr 2016 - Thursday												
DREDGE (M/V Columbia)		HOPPER CAP: 4,387 CY		AVG VOL OF BIN WATER: 4,387 CY		AVG UNFILLED CAP: 4,387 CY															
		NO. OF CREW MEMBERS	DREDGE 13	OTHER PLANT 5	WORK SCHEDULE	SHIFTS PER DAY 2	DAYS PER WEEK 7														
LOCATION OF WORK		LOCATION CHANNEL Mobile Harbor		REACH DREDGED; STA TO STA Sta 880+00 to 940+00		DISPOSAL AREA USE Mobile 102 -SW		QTY DEPOSITED GROSS(CY) 5,270		CUMULATIVE AND QTY DEPOSIT FOR DA(CY) 774,690											
		AVG LENGTH OF CUT 6,000 FT		AVG WIDTH OF CUT 400 FT		AVG DIST TO DUMP 25 NM															
CHARACTER OF MATERIAL		DENSITY OF MATERIALS						GMS/LITER 1.045													
		DENSITY OF WATER				1.006		GMS/LITER@ 70 °F													
RIVER/TIDE STAGE		MIN 1	TIME 00:00	MAX 0	TIME 00:00	GAGE LOCATION Fowl River															
		MIN 0	TIME 00:00	MAX 0	TIME 00:00	GAGE DATUM MLLW															
WEATHER CONDITION		WEATHER			TEMP (min / max)		VISIBILITY		WIND												
		Weather Caused Critical Delay			71 °F / 79 °F		10		35												
DRAFT					DISTRIBUTION OF TIME AND MILES RUN																
FORWARD		LIGHT		LOADED				AGITATING (MIN)		DREDGE & HAUL (MIN)		MILES RUN (NAUT MI)									
		8		15		EFFECTIVE WORKING TIME:															
AFT		10		16		PUMPING:		00:00		00:32		0.0									
						TURNING:		00:00		00:05		0.0									
DRAG DEPTH MAX 49 MIN 44					TO DUMP:		00:00		04:01		0.0										
					CONNECTING:		00:00		00:00		0.0										
INDICATORS LAST CHECKED ON 04/17/2016					DUMPING:		00:00		00:08		0.0										
					DISCONNECTING:		00:00		00:00		0.0										
AVERAGE SPEED OF DREDGE DURING LOADING							FT/MIN		2		TO CUT:		00:00		04:54		0.0				
AVERAGE SPEED OF DREDGE DURING AGITATING							FT/MIN		0		TOTALS:		00:00		09:40		0.0				
GALLONS OF FUEL OIL CONSUMED							GAL		2,079		NON-EFFECTIVE WORKING TIME:										
GALLONS OF WATER CONSUMED							GAL		672		TAKING ON FUEL AND SUPPLIES:		00:00		00:00		0.0				
WORK PERFORMED												TO AND FROM WHARF OR ANCHORAGE:		00:00		00:00		0.0			
DREDGING AND HAULING							AGITATING		LOSS DUE TO NATURAL ELEMENTS:							00:00		14:20		0.0	
NO. OF LOADS		TOTAL CYS		DISPOSAL AREA		TOTAL CYS		LOSS DUE TO TRAFFIC AND BRIDGES							00:00		00:00		0.0		
3		5,270		Mobile 102-SW		0		MINOR OPERATING REPAIRS:							00:00		00:00		0.0		
								TRANSFERRING BETWEEN WORKS:							00:00		00:00		0.0		
								LAY TIME:							00:00		00:00		0.0		
								FIRE AND BOAT DRILLS:							00:00		00:00		0.0		
								MISCELLANEOUS:							00:00		00:00		0.0		
								TOTALS:							00:00		14:20		0.0		
ATTENDANT PLANT												LOST TIME:									
ITEM		NAME OR NUMBER			H.P.		HOURS		MAJOR REPAIRS AND ALTERATIONS:							00:00		00:00		0.0	
40' Crewboat		Cape Anne			400		12:00		CESSATION:							00:00		00:00		0.0	
									COLLISIONS:							00:00		00:00		0.0	
									TOTALS:							00:00		00:00		0.0	
									TOTAL TIME/MILES:							00:00		24:00		0.0	

QUALITY CONTROL REPORT-HOPPER DREDGE			PAGE NO. Page 174 of 494
CONTRACT NO. W91278-16-D-0041 0001	CONTRACT TITLE IDIQ Rental Hopper Dredge in Mobile	CONTRACTOR Dutra Dredging Company	REPORT NO. 87
DREDGE	NAME AND TYPE M/V Columbia	DATE 28 Apr 2016 - Thursday	

LOADS					
LOAD NUMBER	DREDGING AREA DISPOSAL AREA	START TIME STOP TIME (HH:MM)	PUMPING TURNING (MIN)	TO DUMP DUMPING TO CUT (MIN)	TOTAL TIME DREDGED AMOUNT AGITATED AMOUNT (MIN/CYS)
1	Sta 880+00 to 940+00 Mobile 102-SW	00:00 00:01	1 0	92 4 0	97 2,635 0
2	Sta 880+00 to 940+00 Mobile 102-SW	01:37 02:12	30 5	149 4 164	352 2,635 0
3	Sta 880+00 to 940+00 Mobile 102-SW	07:29 07:30	1 0	0 0 130	131 0 0

QC NARRATIVE(S)

GENERAL COMMENTS

580 Minutes @ 100%
860 Minutes @ 70% Weather

QUALITY CONTROL REPORT-HOPPER DREDGE										PAGE NO. Page 175 of 494		
CONTRACT NO. W91278-16-D-0041 0001		CONTRACT TITLE IDIQ Rental Hopper Dredge in Mobile					CONTRACTOR Dutra Dredging Company			REPORT NO. 88		
CHARACTER OF REPORT		<input checked="" type="checkbox"/> MAINTENANCE <input type="checkbox"/> NEW WORK							DATE 29 Apr 2016 - Friday			
DREDGE (M/V Columbia)		HOPPER CAP: 4,387 CY		AVG VOL OF BIN WATER: 4,387 CY			AVG UNFILLED CAP: 4,387 CY					
		NO. OF CREW MEMBERS	DREDGE 13	OTHER PLANT 5	WORK SCHEDULE	SHIFTS PER DAY 2	DAYS PER WEEK 7					
LOCATION OF WORK		LOCATION CHANNEL Mobile Harbor	REACH DREDGED; STA TO STA Sta 880+00 to 940+00			DISPOSAL AREA USE Mobile 102 -SW	QTY DEPOSITED GROSS(CY) 0	CUMULATIVE AND QTY DEPOSIT FOR DA(CY) 774,690				
		AVG LENGTH OF CUT 6,000 FT		AVG WIDTH OF CUT 400 FT		AVG DIST TO DUMP 25 NM						
CHARACTER OF MATERIAL		DENSITY OF MATERIALS						GMS/LITER 1.045				
		DENSITY OF WATER			1.006			GMS/LITER@ 70 °F				
RIVER/TIDE STAGE		MIN 0	TIME 00:00	MAX 0	TIME 00:00	GAGE LOCATION Fowl River						
		MIN 0	TIME 00:00	MAX 0	TIME 00:00	GAGE DATUM MLLW						
WEATHER CONDITION		WEATHER			TEMP (min / max)		VISIBILITY	WIND				
		Weather Caused Critical Delay			68 °F / 82 °F		10	28				
DRAFT					DISTRIBUTION OF TIME AND MILES RUN							
FORWARD	LIGHT		LOADED			AGITATING (MIN)	DREDGE & HAUL (MIN)	MILES RUN (NAUT MI)				
	8		15		EFFECTIVE WORKING TIME:							
AFT	10		16		PUMPING:	00:00	00:00	0.0				
					TURNING:	00:00	00:00	0.0				
DRAG DEPTH MAX 49 MIN 44						TO DUMP:	00:00	00:00	0.0			
						CONNECTING:	00:00	00:00	0.0			
INDICATORS LAST CHECKED ON 04/17/2016						DUMPING:	00:00	00:00	0.0			
						DISCONNECTING:	00:00	00:00	0.0			
AVERAGE SPEED OF DREDGE DURING LOADING				FT/MIN	2	TO CUT:	00:00	00:00	0.0			
AVERAGE SPEED OF DREDGE DURING AGITATING				FT/MIN	0	TOTALS:	00:00	00:00	0.0			
GALLONS OF FUEL OIL CONSUMED				GAL	1,086	NON-EFFECTIVE WORKING TIME:						
GALLONS OF WATER CONSUMED				GAL	283	TAKING ON FUEL AND SUPPLIES:	00:00	03:10	0.0			
WORK PERFORMED							TO AND FROM WHARF OR ANCHORAGE:	00:00	02:20	0.0		
							LOSS DUE TO NATURAL ELEMENTS:	00:00	06:10	0.0		
DREDGING AND HAULING				AGITATING				LOSS DUE TO TRAFFIC AND BRIDGES	00:00	00:00	0.0	
NO. OF LOADS	TOTAL CYS	DISPOSAL AREA		TOTAL CYS				MINOR OPERATING REPAIRS:	00:00	12:20	0.0	
								TRANSFERRING BETWEEN WORKS:	00:00	00:00	0.0	
								LAY TIME:	00:00	00:00	0.0	
								FIRE AND BOAT DRILLS:	00:00	00:00	0.0	
ATTENDANT PLANT							MISCELLANEOUS:	00:00	00:00	0.0		
							TOTALS:	00:00	24:00	0.0		
ITEM					NAME OR NUMBER	H.P.	HOURS	LOST TIME:				
40' Crewboat					Cape Anne	400	12:00	MAJOR REPAIRS AND ALTERATIONS:				
								00:00 00:00 0.0				
								CESSATION:				
								00:00 00:00 0.0				
								COLLISIONS:				
								00:00 00:00 0.0				
								TOTALS:				
								00:00 00:00 0.0				
								TOTAL TIME/MILES:				
								00:00 24:00 0.0				

QUALITY CONTROL REPORT-HOPPER DREDGE			PAGE NO. Page 176 of 494
CONTRACT NO. W91278-16-D-0041 0001	CONTRACT TITLE IDIQ Rental Hopper Dredge in Mobile	CONTRACTOR Dutra Dredging Company	REPORT NO. 88
DREDGE	NAME AND TYPE M/V Columbia	DATE 29 Apr 2016 - Friday	

QC NARRATIVE(S)

GENERAL COMMENTS

370 Minutes @ 70% Weather
1070 Minutes @ 0% Fuel and Repairs

QUALITY CONTROL REPORT-HOPPER DREDGE										PAGE NO. Page 177 of 494	
CONTRACT NO. W91278-16-D-0041 0001		CONTRACT TITLE IDIQ Rental Hopper Dredge in Mobile					CONTRACTOR Dutra Dredging Company			REPORT NO. 89	
CHARACTER OF REPORT		<input checked="" type="checkbox"/> MAINTENANCE <input type="checkbox"/> NEW WORK							DATE 30 Apr 2016 - Saturday		
DREDGE (M/V Columbia)		HOPPER CAP: 4,387 CY		AVG VOL OF BIN WATER: 4,387 CY		AVG UNFILLED CAP: 4,387 CY					
		NO. OF CREW MEMBERS	DREDGE 13	OTHER PLANT 5	WORK SCHEDULE	SHIFTS PER DAY 2	DAYS PER WEEK 7				
LOCATION OF WORK		LOCATION CHANNEL Mobile Harbor	REACH DREDGED; STA TO STA Sta 940+00 to 1000+00		DISPOSAL AREA USE Mobile 102 -SW		QTY DEPOSITED GROSS(CY) 7,905	CUMULATIVE AND QTY DEPOSIT FOR DA(CY) 782,595			
		AVG LENGTH OF CUT 6,000 FT		AVG WIDTH OF CUT 400 FT		AVG DIST TO DUMP 24 NM					
CHARACTER OF MATERIAL		DENSITY OF MATERIALS					GMS/LITER 1.045				
		DENSITY OF WATER			1.006		GMS/LITER@ 70 °F				
RIVER/TIDE STAGE		MIN 1	TIME 00:00	MAX 0	TIME 00:00	GAGE LOCATION Fowl River					
		MIN 2	TIME 00:00	MAX 0	TIME 00:00	GAGE DATUM MLLW					
WEATHER CONDITION		WEATHER		TEMP (min / max)		VISIBILITY		WIND			
		Weather Caused Critical Delay		67 °F / 79 °F		10		32			
DRAFT					DISTRIBUTION OF TIME AND MILES RUN						
FORWARD	LIGHT		LOADED				AGITATING (MIN)	DREDGE & HAUL (MIN)	MILES RUN (NAUT MI)		
	8		15								
AFT					EFFECTIVE WORKING TIME:						
	10		16		PUMPING:		00:00	01:28	0.0		
DRAG DEPTH MAX 49 MIN 44					TURNING:		00:00	00:00	0.0		
					TO DUMP:		00:00	07:51	0.0		
INDICATORS LAST CHECKED ON 04/17/2016					CONNECTING:		00:00	00:00	0.0		
					DUMPING:		00:00	00:12	0.0		
AVERAGE SPEED OF DREDGE DURING LOADING					FT/MIN	DISCONNECTING:		00:00	00:00	0.0	
					2	TO CUT:		00:00	06:14	0.0	
AVERAGE SPEED OF DREDGE DURING AGITATING					FT/MIN	TOTALS:		00:00	15:45	0.0	
					0						
GALLONS OF FUEL OIL CONSUMED					GAL	NON-EFFECTIVE WORKING TIME:					
					1,602	TAKING ON FUEL AND SUPPLIES:		00:00	00:00	0.0	
GALLONS OF WATER CONSUMED					GAL	TO AND FROM WHARF OR ANCHORAGE:		00:00	00:50	0.0	
					859	LOSS DUE TO NATURAL ELEMENTS:		00:00	05:35	0.0	
WORK PERFORMED					LOSS DUE TO TRAFFIC AND BRIDGES		00:00	00:00	0.0		
DREDGING AND HAULING			AGITATING		MINOR OPERATING REPAIRS:		00:00	01:50	0.0		
NO. OF LOADS	TOTAL CYS	DISPOSAL AREA	TOTAL CYS		TRANSFERRING BETWEEN WORKS:		00:00	00:00	0.0		
4	7,905	Mobile 102-SW	0		LAY TIME:		00:00	00:00	0.0		
					FIRE AND BOAT DRILLS:		00:00	00:00	0.0		
					MISCELLANEOUS:		00:00	00:00	0.0		
ATTENDANT PLANT					TOTALS:		00:00	08:15	0.0		
ITEM	NAME OR NUMBER		H.P.	HOURS	LOST TIME:						
40' Crewboat	Cape Anne		400	12:00	MAJOR REPAIRS AND ALTERATIONS:		00:00	00:00	0.0		
					CESSATION:		00:00	00:00	0.0		
					COLLISIONS:		00:00	00:00	0.0		
					TOTALS:		00:00	00:00	0.0		
					TOTAL TIME/MILES:		00:00	24:00	0.0		

QUALITY CONTROL REPORT-HOPPER DREDGE					PAGE NO. Page 178 of 494	
CONTRACT NO. W91278-16-D-0041 0001		CONTRACT TITLE IDIQ Rental Hopper Dredge in Mobile		CONTRACTOR Dutra Dredging Company		REPORT NO. 89
DREDGE		NAME AND TYPE M/V Columbia			DATE 30 Apr 2016 - Saturday	
LOADS						
LOAD NUMBER	DREDGING AREA DISPOSAL AREA	START TIME STOP TIME (HH:MM)	PUMPING TURNING (MIN)	TO DUMP DUMPING TO CUT (MIN)	TOTAL TIME DREDGED AMOUNT AGITATED AMOUNT (MIN/CYS)	
1	Sta 940+00 to 1000+00 Mobile 102-SW	02:00 02:33	33 0	156 4 21	214 2,635 0	
2	Sta 940+00 to 1000+00 Mobile 102-SW	05:34 06:02	28 0	165 4 130	327 2,635 0	
3	Sta 940+00 to 1000+00 Mobile 102-SW	11:01 11:27	26 0	150 4 165	345 2,635 0	
4	Sta 940+00 to 1000+00 Mobile 102-SW	17:26 17:27	1 0	0 0 58	59 0 0	
QC NARRATIVE(S) GENERAL COMMENTS 945 Minutes @ 100% 335 Minutes @ 70% Weather 160 Minutes @ 0% Repairs						

QUALITY CONTROL REPORT-HOPPER DREDGE										PAGE NO. Page 179 of 494								
CONTRACT NO. W91278-16-D-0041 0001		CONTRACT TITLE IDIQ Rental Hopper Dredge in Mobile					CONTRACTOR Dutra Dredging Company			REPORT NO. 90								
CHARACTER OF REPORT		<input checked="" type="checkbox"/> MAINTENANCE <input type="checkbox"/> NEW WORK							DATE 01 May 2016 - Sunday									
DREDGE (M/V Columbia)		HOPPER CAP: 4,387 CY		AVG VOL OF BIN WATER: 4,387 CY		AVG UNFILLED CAP: 4,387 CY												
		NO. OF CREW MEMBERS	DREDGE 13	OTHER PLANT 5	WORK SCHEDULE	SHIFTS PER DAY 2	DAYS PER WEEK 7											
LOCATION OF WORK		LOCATION CHANNEL Mobile Harbor		REACH DREDGED; STA TO STA Sta 940+00 to 1000+00		DISPOSAL AREA USE Mobile 102 -SW		QTY DEPOSITED GROSS(CY) 7,905		CUMULATIVE AND QTY DEPOSIT FOR DA(CY) 790,500								
		AVG LENGTH OF CUT 6,000 FT		AVG WIDTH OF CUT 400 FT		AVG DIST TO DUMP 24 NM												
CHARACTER OF MATERIAL		DENSITY OF MATERIALS						GMS/LITER 1.045										
		DENSITY OF WATER				1.006		GMS/LITER@ 70 °F										
RIVER/TIDE STAGE		MIN 0	TIME 00:00	MAX 0	TIME 00:00	GAGE LOCATION Fowl River												
		MIN 2	TIME 00:00	MAX 0	TIME 00:00	GAGE DATUM MLLW												
WEATHER CONDITION		WEATHER			TEMP (min / max)		VISIBILITY		WIND									
		Weather Caused Critical Delay			71 °F / 78 °F		10		42									
DRAFT					DISTRIBUTION OF TIME AND MILES RUN													
FORWARD		LIGHT		LOADED				AGITATING (MIN)		DREDGE & HAUL (MIN)		MILES RUN (NAUT MI)						
		8		15		EFFECTIVE WORKING TIME:												
AFT		10		16		PUMPING:		00:00		02:03		0.0						
						TURNING:		00:00		00:00		0.0						
DRAG DEPTH MAX 49 MIN 44					TO DUMP:		00:00		09:25		0.0							
					CONNECTING:		00:00		00:00		0.0							
INDICATORS LAST CHECKED ON 04/17/2016					DUMPING:		00:00		00:12		0.0							
					DISCONNECTING:		00:00		00:00		0.0							
AVERAGE SPEED OF DREDGE DURING LOADING							FT/MIN		2		TO CUT:		00:00		09:47		0.0	
AVERAGE SPEED OF DREDGE DURING AGITATING							FT/MIN		0		TOTALS:		00:00		21:27		0.0	
GALLONS OF FUEL OIL CONSUMED							GAL		3,082		NON-EFFECTIVE WORKING TIME:							
GALLONS OF WATER CONSUMED							GAL		784		TAKING ON FUEL AND SUPPLIES:		00:00		00:00		0.0	
WORK PERFORMED											TO AND FROM WHARF OR ANCHORAGE:		00:00		00:00		0.0	
											LOSS DUE TO NATURAL ELEMENTS:		00:00		02:33		0.0	
DREDGING AND HAULING				AGITATING						LOSS DUE TO TRAFFIC AND BRIDGES		00:00		00:00		0.0		
NO. OF LOADS	TOTAL CYS	DISPOSAL AREA		TOTAL CYS						MINOR OPERATING REPAIRS:		00:00		00:00		0.0		
4	7,905	Mobile 102-SW		0						TRANSFERRING BETWEEN WORKS:		00:00		00:00		0.0		
										LAY TIME:		00:00		00:00		0.0		
										FIRE AND BOAT DRILLS:		00:00		00:00		0.0		
ATTENDANT PLANT											MISCELLANEOUS:		00:00		00:00		0.0	
											TOTALS:		00:00		02:33		0.0	
ITEM		NAME OR NUMBER		H.P.		HOURS		LOST TIME:										
40' Crewboat		Cape Anne		400		12:00												
										MAJOR REPAIRS AND ALTERATIONS:		00:00		00:00		0.0		
										CESSATION:		00:00		00:00		0.0		
										COLLISIONS:		00:00		00:00		0.0		
										TOTALS:		00:00		00:00		0.0		
										TOTAL TIME/MILES:		00:00		24:00		0.0		

QUALITY CONTROL REPORT-HOPPER DREDGE					PAGE NO. <div>Page 180 of 494</div>	
CONTRACT NO. W91278-16-D-0041 0001		CONTRACT TITLE IDIQ Rental Hopper Dredge in Mobile		CONTRACTOR Dutra Dredging Company		REPORT NO. 90
DREDGE		NAME AND TYPE M/V Columbia			DATE 01 May 2016 - Sunday	
LOADS						
LOAD NUMBER	DREDGING AREA DISPOSAL AREA	START TIME STOP TIME (HH:MM)	PUMPING TURNING (MIN)	TO DUMP DUMPING TO CUT (MIN)	TOTAL TIME DREDGED AMOUNT AGITATED AMOUNT (MIN/CYS)	
1	Sta 940+00 to 1000+00 Mobile 102-SW	02:33 02:59	26 0	154 4 93	277 2,635 0	
2	Sta 940+00 to 1000+00 Mobile 102-SW	07:10 07:48	38 0	148 4 158	348 2,635 0	
3	Sta 940+00 to 1000+00 Mobile 102-SW	12:58 13:27	29 0	151 4 163	347 2,635 0	
4	Sta 940+00 to 1000+00 Mobile 102-SW	18:45 19:15	30 0	112 0 173	315 0 0	
QC NARRATIVE(S) GENERAL COMMENTS 1287 Minutes @ 100% 153 Minutes @ 70% Weather						

QUALITY CONTROL REPORT-HOPPER DREDGE										PAGE NO. Page 181 of 494							
CONTRACT NO. W91278-16-D-0041 0001		CONTRACT TITLE IDIQ Rental Hopper Dredge in Mobile					CONTRACTOR Dutra Dredging Company			REPORT NO. 91							
CHARACTER OF REPORT		<input checked="" type="checkbox"/> MAINTENANCE <input type="checkbox"/> NEW WORK							DATE 02 May 2016 - Monday								
DREDGE (M/V Columbia)		HOPPER CAP: 4,387 CY		AVG VOL OF BIN WATER: 4,387 CY		AVG UNFILLED CAP: 4,387 CY											
		NO. OF CREW MEMBERS	DREDGE 13	OTHER PLANT 5	WORK SCHEDULE	SHIFTS PER DAY 2	DAYS PER WEEK 7										
LOCATION OF WORK		LOCATION CHANNEL Mobile Harbor		REACH DREDGED; STA TO STA Sta 940+00 to 1000+00		DISPOSAL AREA USE Mobile 102 -SW		QTY DEPOSITED GROSS(CY) 10,540		CUMULATIVE AND QTY DEPOSIT FOR DA(CY) 801,040							
		AVG LENGTH OF CUT 6,000 FT		AVG WIDTH OF CUT 400 FT		AVG DIST TO DUMP 24 NM											
CHARACTER OF MATERIAL		DENSITY OF MATERIALS						GMS/LITER 1.045									
		DENSITY OF WATER			1.006			GMS/LITER@ 70 °F									
RIVER/TIDE STAGE		MIN 1	TIME 00:00	MAX 0	TIME 00:00	GAGE LOCATION Fowl River											
		MIN 2	TIME 00:00	MAX 0	TIME 00:00	GAGE DATUM MLLW											
WEATHER CONDITION		WEATHER Weather Caused No Delay			TEMP (min / max) 68 °F / 78 °F		VISIBILITY 10		WIND 38								
DRAFT					DISTRIBUTION OF TIME AND MILES RUN												
FORWARD		LIGHT		LOADED				AGITATING (MIN)		DREDGE & HAUL (MIN)		MILES RUN (NAUT MI)					
		8		15		EFFECTIVE WORKING TIME:											
AFT		10		16		PUMPING:		00:00		02:01		0.0					
						TURNING:		00:00		00:00		0.0					
DRAG DEPTH MAX 49 MIN 44					TO DUMP:		00:00		10:32		0.0						
					CONNECTING:		00:00		00:00		0.0						
INDICATORS LAST CHECKED ON 04/17/2016					DUMPING:		00:00		00:23		0.0						
					DISCONNECTING:		00:00		00:00		0.0						
AVERAGE SPEED OF DREDGE DURING LOADING						FT/MIN		2		TO CUT:		00:00		11:04		0.0	
AVERAGE SPEED OF DREDGE DURING AGITATING						FT/MIN		0		TOTALS:		00:00		24:00		0.0	
GALLONS OF FUEL OIL CONSUMED						GAL		2,754		NON-EFFECTIVE WORKING TIME:							
GALLONS OF WATER CONSUMED						GAL		672		TAKING ON FUEL AND SUPPLIES:		00:00		00:00		0.0	
WORK PERFORMED					LOSS DUE TO NATURAL ELEMENTS:		00:00		00:00		0.0						
DREDGING AND HAULING				AGITATING		LOSS DUE TO TRAFFIC AND BRIDGES		00:00		00:00		0.0					
NO. OF LOADS		TOTAL CYS		DISPOSAL AREA		TOTAL CYS		MINOR OPERATING REPAIRS:		00:00		00:00		0.0			
5		10,540		Mobile 102-SW		0		TRANSFERRING BETWEEN WORKS:		00:00		00:00		0.0			
								LAY TIME:		00:00		00:00		0.0			
								FIRE AND BOAT DRILLS:		00:00		00:00		0.0			
ATTENDANT PLANT					MISCELLANEOUS:		00:00		00:00		0.0						
ITEM		NAME OR NUMBER		H.P.		HOURS		TOTALS:		00:00		00:00		0.0			
40' Crewboat		Cape Anne		400		12:00		LOST TIME:									
								MAJOR REPAIRS AND ALTERATIONS:		00:00		00:00		0.0			
								CESSATION:		00:00		00:00		0.0			
								COLLISIONS:		00:00		00:00		0.0			
								TOTALS:		00:00		00:00		0.0			
								TOTAL TIME/MILES:		00:00		24:00		0.0			

QUALITY CONTROL REPORT-HOPPER DREDGE					PAGE NO. Page 182 of 494	
CONTRACT NO. W91278-16-D-0041 0001		CONTRACT TITLE IDIQ Rental Hopper Dredge in Mobile		CONTRACTOR Dutra Dredging Company		REPORT NO. 91
DREDGE		NAME AND TYPE M/V Columbia			DATE 02 May 2016 - Monday	
LOADS						
LOAD NUMBER	DREDGING AREA DISPOSAL AREA	START TIME STOP TIME (HH:MM)	PUMPING TURNING (MIN)	TO DUMP DUMPING TO CUT (MIN)	TOTAL TIME DREDGED AMOUNT AGITATED AMOUNT (MIN/CYS)	
1	Sta 940+00 to 1000+00 Mobile 102-SW	00:00 00:01	1 0	52 4 0	57 2,635 0	
2	Sta 940+00 to 1000+00 Mobile 102-SW	00:57 01:28	31 0	150 11 174	366 2,635 0	
3	Sta 940+00 to 1000+00 Mobile 102-SW	07:03 07:36	33 0	176 4 167	380 2,635 0	
4	Sta 940+00 to 1000+00 Mobile 102-SW	13:23 13:48	25 0	159 4 158	346 2,635 0	
5	Sta 940+00 to 1000+00 Mobile 102-SW	19:09 19:40	31 0	95 0 165	291 0 0	
QC NARRATIVE(S) GENERAL COMMENTS 1440 Minutes @ 100%						

QUALITY CONTROL REPORT-HOPPER DREDGE										PAGE NO. Page 183 of 494	
CONTRACT NO. W91278-16-D-0041 0001		CONTRACT TITLE IDIQ Rental Hopper Dredge in Mobile					CONTRACTOR Dutra Dredging Company			REPORT NO. 92	
CHARACTER OF REPORT		<input checked="" type="checkbox"/> MAINTENANCE <input type="checkbox"/> NEW WORK							DATE 03 May 2016 - Tuesday		
DREDGE (M/V Stuyvesant)		HOPPER CAP: 9,878 CY		AVG VOL OF BIN WATER: 0 CY			AVG UNFILLED CAP: 0 CY				
		NO. OF CREW MEMBERS	DREDGE 22	OTHER PLANT 2	WORK SCHEDULE	SHIFTS PER DAY 2	DAYS PER WEEK 7				
LOCATION OF WORK		LOCATION CHANNEL Mobile River	REACH DREDGED; STA TO STA Sta 22+00 to 74+00			DISPOSAL AREA USE Mobile 102-SW	QTY DEPOSITED GROSS(CY) 17,781	CUMULATIVE AND QTY DEPOSIT FOR DA(CY) 17,781			
		AVG LENGTH OF CUT 5,200 FT		AVG WIDTH OF CUT 400 FT		AVG DIST TO DUMP 44 NM					
CHARACTER OF MATERIAL		DENSITY OF MATERIALS						GMS/LITER 1.045			
		DENSITY OF WATER			1.006			GMS/LITER@ 72 °F			
RIVER/TIDE STAGE		MIN 0	TIME 00:00	MAX 0	TIME 00:00	GAGE LOCATION Mobile State Docks					
		MIN 0	TIME 00:00	MAX 0	TIME 00:00	GAGE DATUM NA					
WEATHER CONDITION		WEATHER			TEMP (min / max)		VISIBILITY	WIND			
		Weather Caused No Delay			67 °F / 78 °F		10	18			
DRAFT					DISTRIBUTION OF TIME AND MILES RUN						
FORWARD	LIGHT		LOADED			AGITATING (MIN)	DREDGE & HAUL (MIN)	MILES RUN (NAUT MI)			
	17		28								
AFT					EFFECTIVE WORKING TIME:						
	28		30		PUMPING:	00:00	00:54	0.0			
DRAG DEPTH MAX 44 MIN 40					TURNING:	00:00	00:00	0.0			
					TO DUMP:	00:00	13:04	0.0			
INDICATORS LAST CHECKED ON 05/02/2016					CONNECTING:	00:00	00:00	0.0			
					DUMPING:	00:00	00:19	0.0			
AVERAGE SPEED OF DREDGE DURING LOADING				FT/MIN	DISCONNECTING:	00:00	00:00	0.0			
				2	TO CUT:	00:00	07:54	0.0			
AVERAGE SPEED OF DREDGE DURING AGITATING				FT/MIN	TOTALS:	00:00	22:11	0.0			
				0	NON-EFFECTIVE WORKING TIME:						
GALLONS OF FUEL OIL CONSUMED				GAL	TAKING ON FUEL AND SUPPLIES:	00:00	00:00	0.0			
				3,360	TO AND FROM WHARF OR ANCHORAGE:	00:00	01:49	0.0			
GALLONS OF WATER CONSUMED				GAL	LOSS DUE TO NATURAL ELEMENTS:	00:00	00:00	0.0			
				1,200	LOSS DUE TO TRAFFIC AND BRIDGES	00:00	00:00	0.0			
WORK PERFORMED					MINOR OPERATING REPAIRS:	00:00	00:00	0.0			
DREDGING AND HAULING				AGITATING	TRANSFERRING BETWEEN WORKS:	00:00	00:00	0.0			
NO. OF LOADS	TOTAL CYS	DISPOSAL AREA		TOTAL CYS	LAY TIME:	00:00	00:00	0.0			
4	17,781	Mobile 102-SW		0	FIRE AND BOAT DRILLS:	00:00	00:00	0.0			
					MISCELLANEOUS:	00:00	00:00	0.0			
					TOTALS:	00:00	01:49	0.0			
ATTENDANT PLANT					LOST TIME:						
ITEM	NAME OR NUMBER		H.P.	HOURS	MAJOR REPAIRS AND ALTERATIONS:	00:00	00:00	0.0			
					CESSATION:	00:00	00:00	0.0			
					COLLISIONS:	00:00	00:00	0.0			
					TOTALS:	00:00	00:00	0.0			
					TOTAL TIME/MILES:	00:00	24:00	0.0			

QUALITY CONTROL REPORT-HOPPER DREDGE			PAGE NO. Page 184 of 494
CONTRACT NO. W91278-16-D-0041 0001	CONTRACT TITLE IDIQ Rental Hopper Dredge in Mobile	CONTRACTOR Dutra Dredging Company	REPORT NO. 92
DREDGE	NAME AND TYPE M/V Stuyvesant	DATE 03 May 2016 - Tuesday	

LOADS

LOAD NUMBER	DREDGING AREA DISPOSAL AREA	START TIME STOP TIME (HH:MM)	PUMPING TURNING (MIN)	TO DUMP DUMPING TO CUT (MIN)	TOTAL TIME DREDGED AMOUNT AGITATED AMOUNT (MIN/CYS)
1	Sta 22+00 to 74+00 Mobile 102-SW	01:49 02:07	18 0	275 6 0	299 5,927 0
2	Sta 22+00 to 74+00 Mobile 102-SW	06:48 07:07	19 0	261 6 234	520 5,927 0
3	Sta 22+00 to 74+00 Mobile 102-SW	15:28 15:44	16 0	248 7 216	487 5,927 0
4	Sta 22+00 to 74+00 Mobile 102-SW	23:35 23:36	1 0	0 0 24	25 0 0

QC NARRATIVE(S)

GENERAL COMMENTS

Dredge Stuyvesant Started dredging operations at 1:49 am

1331 Minutes @ 100%

109 Minutes @ 0% Mobilization

QUALITY CONTROL REPORT-HOPPER DREDGE										PAGE NO. Page 185 of 494	
CONTRACT NO. W91278-16-D-0041 0001		CONTRACT TITLE IDIQ Rental Hopper Dredge in Mobile					CONTRACTOR Dutra Dredging Company			REPORT NO. 92	
CHARACTER OF REPORT		<input checked="" type="checkbox"/> MAINTENANCE <input type="checkbox"/> NEW WORK							DATE 03 May 2016 - Tuesday		
DREDGE (M/V Columbia)		HOPPER CAP: 4,387 CY		AVG VOL OF BIN WATER: 4,387 CY			AVG UNFILLED CAP: 4,387 CY				
		NO. OF CREW MEMBERS	DREDGE 13	OTHER PLANT 5	WORK SCHEDULE	SHIFTS PER DAY 2	DAYS PER WEEK 7				
LOCATION OF WORK		LOCATION CHANNEL Mobile Harbor	REACH DREDGED; STA TO STA Sta 940+00 to 1000+00			DISPOSAL AREA USE Mobile 102 -SW		QTY DEPOSITED GROSS(CY) 13,175	CUMULATIVE AND QTY DEPOSIT FOR DA(CY) 814,215		
		AVG LENGTH OF CUT 6,000 FT			AVG WIDTH OF CUT 400 FT		AVG DIST TO DUMP 24 NM				
CHARACTER OF MATERIAL		DENSITY OF MATERIALS						GMS/LITER 1.045			
		DENSITY OF WATER			1.006			GMS/LITER@ 70 °F			
RIVER/TIDE STAGE		MIN 1	TIME 00:00	MAX 0	TIME 00:00	GAGE LOCATION Fowl River					
		MIN 1	TIME 00:00	MAX 0	TIME 00:00	GAGE DATUM MLLW					
WEATHER CONDITION		WEATHER Weather Caused No Delay			TEMP (min / max) 67 °F / 78 °F		VISIBILITY 10		WIND 18		
DRAFT					DISTRIBUTION OF TIME AND MILES RUN						
FORWARD		LIGHT		LOADED				AGITATING (MIN)	DREDGE & HAUL (MIN)	MILES RUN (NAUT MI)	
		8		15		EFFECTIVE WORKING TIME:					
AFT		10		16		PUMPING: 00:00 01:50 0.0					
							TURNING: 00:00 00:00 0.0				
DRAG DEPTH MAX 49 MIN 44					TO DUMP: 00:00 10:19 0.0						
					CONNECTING: 00:00 00:00 0.0						
INDICATORS LAST CHECKED ON 04/17/2016					DUMPING: 00:00 00:20 0.0						
					DISCONNECTING: 00:00 00:00 0.0						
AVERAGE SPEED OF DREDGE DURING LOADING					FT/MIN 2		TO CUT: 00:00 11:31 0.0				
AVERAGE SPEED OF DREDGE DURING AGITATING					FT/MIN 0		TOTALS: 00:00 24:00 0.0				
GALLONS OF FUEL OIL CONSUMED					GAL 2,955		NON-EFFECTIVE WORKING TIME:				
GALLONS OF WATER CONSUMED					GAL 672		TAKING ON FUEL AND SUPPLIES: 00:00 00:00 0.0				
WORK PERFORMED					TO AND FROM WHARF OR ANCHORAGE: 00:00 00:00 0.0						
					LOSS DUE TO NATURAL ELEMENTS: 00:00 00:00 0.0						
DREDGING AND HAULING				AGITATING		LOSS DUE TO TRAFFIC AND BRIDGES 00:00 00:00 0.0					
NO. OF LOADS	TOTAL CYS	DISPOSAL AREA		TOTAL CYS		MINOR OPERATING REPAIRS: 00:00 00:00 0.0					
6	13,175	Mobile 102-SW		0		TRANSFERRING BETWEEN WORKS: 00:00 00:00 0.0					
						LAY TIME: 00:00 00:00 0.0					
						FIRE AND BOAT DRILLS: 00:00 00:00 0.0					
ATTENDANT PLANT					MISCELLANEOUS: 00:00 00:00 0.0						
					TOTALS: 00:00 00:00 0.0						
ITEM		NAME OR NUMBER		H.P.	HOURS	LOST TIME:					
40' Crewboat		Cape Anne		400	12:00	MAJOR REPAIRS AND ALTERATIONS: 00:00 00:00 0.0					
						CESSATION: 00:00 00:00 0.0					
						COLLISIONS: 00:00 00:00 0.0					
						TOTALS: 00:00 00:00 0.0					
						TOTAL TIME/MILES: 00:00 24:00 0.0					

QUALITY CONTROL REPORT-HOPPER DREDGE					PAGE NO. <div>Page 186 of 494</div>	
CONTRACT NO. W91278-16-D-0041 0001		CONTRACT TITLE IDIQ Rental Hopper Dredge in Mobile		CONTRACTOR Dutra Dredging Company		REPORT NO. 92
DREDGE		NAME AND TYPE M/V Columbia			DATE 03 May 2016 - Tuesday	
LOADS						
LOAD NUMBER	DREDGING AREA DISPOSAL AREA	START TIME STOP TIME (HH:MM)	PUMPING TURNING (MIN)	TO DUMP DUMPING TO CUT (MIN)	TOTAL TIME DREDGED AMOUNT AGITATED AMOUNT (MIN/CYS)	
1	Sta 940+00 to 1000+00 Mobile 102-SW	00:00 00:01	1 0	40 4 0	45 2,635 0	
2	Sta 940+00 to 1000+00 Mobile 102-SW	00:45 01:13	28 0	136 4 163	331 2,635 0	
3	Sta 940+00 to 1000+00 Mobile 102-SW	06:16 06:45	29 0	154 4 159	346 2,635 0	
4	Sta 940+00 to 1000+00 Mobile 102-SW	12:02 12:29	27 0	136 4 155	322 2,635 0	
5	Sta 940+00 to 1000+00 Mobile 102-SW	17:24 17:48	24 0	153 4 153	334 2,635 0	
6	Sta 940+00 to 1000+00 Mobile 102-SW	22:58 22:59	1 0	0 0 61	62 0 0	
QC NARRATIVE(S) GENERAL COMMENTS 1440 Minutes @ 100%						

QUALITY CONTROL REPORT-HOPPER DREDGE										PAGE NO. Page 187 of 494								
CONTRACT NO. W91278-16-D-0041 0001		CONTRACT TITLE IDIQ Rental Hopper Dredge in Mobile					CONTRACTOR Dutra Dredging Company			REPORT NO. 93								
CHARACTER OF REPORT		<input checked="" type="checkbox"/> MAINTENANCE <input type="checkbox"/> NEW WORK							DATE 04 May 2016 - Wednesday									
DREDGE (M/V Columbia)		HOPPER CAP: 4,387 CY		AVG VOL OF BIN WATER: 4,387 CY		AVG UNFILLED CAP: 4,387 CY												
		NO. OF CREW MEMBERS	DREDGE 13	OTHER PLANT 5	WORK SCHEDULE	SHIFTS PER DAY 2	DAYS PER WEEK 7											
LOCATION OF WORK		LOCATION CHANNEL Mobile Harbor		REACH DREDGED; STA TO STA Sta 940+00 to 1000+00		DISPOSAL AREA USE Mobile 102 -SW		QTY DEPOSITED GROSS(CY) 10,540		CUMULATIVE AND QTY DEPOSIT FOR DA(CY) 824,755								
		AVG LENGTH OF CUT 6,000 FT		AVG WIDTH OF CUT 400 FT		AVG DIST TO DUMP 24 NM												
CHARACTER OF MATERIAL		DENSITY OF MATERIALS						GMS/LITER 1.045										
		DENSITY OF WATER				1.006		GMS/LITER@ 70 °F										
RIVER/TIDE STAGE		MIN 1	TIME 00:00	MAX 0	TIME 00:00	GAGE LOCATION Fowl River												
		MIN 1	TIME 00:00	MAX 0	TIME 00:00	GAGE DATUM MLLW												
WEATHER CONDITION		WEATHER			TEMP (min / max)		VISIBILITY		WIND									
		Weather Caused No Delay			60 °F / 77 °F		10		10									
DRAFT					DISTRIBUTION OF TIME AND MILES RUN													
FORWARD		LIGHT		LOADED				AGITATING (MIN)		DREDGE & HAUL (MIN)		MILES RUN (NAUT MI)						
		8		15		EFFECTIVE WORKING TIME:												
AFT		10		16		PUMPING:		00:00		02:09		0.0						
						TURNING:		00:00		00:17		0.0						
DRAG DEPTH MAX 49 MIN 44					TO DUMP:		00:00		10:11		0.0							
					CONNECTING:		00:00		00:00		0.0							
INDICATORS LAST CHECKED ON 04/17/2016					DUMPING:		00:00		00:45		0.0							
					DISCONNECTING:		00:00		00:00		0.0							
AVERAGE SPEED OF DREDGE DURING LOADING							FT/MIN		2		TO CUT:		00:00		10:38		0.0	
AVERAGE SPEED OF DREDGE DURING AGITATING							FT/MIN		0		TOTALS:		00:00		24:00		0.0	
GALLONS OF FUEL OIL CONSUMED							GAL		1,884		NON-EFFECTIVE WORKING TIME:							
GALLONS OF WATER CONSUMED							GAL		560		TAKING ON FUEL AND SUPPLIES:		00:00		00:00		0.0	
WORK PERFORMED											TO AND FROM WHARF OR ANCHORAGE:		00:00		00:00		0.0	
													LOSS DUE TO NATURAL ELEMENTS:		00:00		00:00	
DREDGING AND HAULING				AGITATING						LOSS DUE TO TRAFFIC AND BRIDGES		00:00		00:00		0.0		
NO. OF LOADS	TOTAL CYS	DISPOSAL AREA		TOTAL CYS						MINOR OPERATING REPAIRS:		00:00		00:00		0.0		
5	10,540	Mobile 102-SW		0						TRANSFERRING BETWEEN WORKS:		00:00		00:00		0.0		
										LAY TIME:		00:00		00:00		0.0		
										FIRE AND BOAT DRILLS:		00:00		00:00		0.0		
ATTENDANT PLANT											MISCELLANEOUS:		00:00		00:00		0.0	
													TOTALS:		00:00		00:00	
ITEM		NAME OR NUMBER		H.P.		HOURS		LOST TIME:										
40' Crewboat		Cape Anne		400		12:00												
										MAJOR REPAIRS AND ALTERATIONS:		00:00		00:00		0.0		
										CESSATION:		00:00		00:00		0.0		
										COLLISIONS:		00:00		00:00		0.0		
										TOTALS:		00:00		00:00		0.0		
										TOTAL TIME/MILES:		00:00		24:00		0.0		

QUALITY CONTROL REPORT-HOPPER DREDGE					PAGE NO. Page 188 of 494	
CONTRACT NO. W91278-16-D-0041 0001		CONTRACT TITLE IDIQ Rental Hopper Dredge in Mobile		CONTRACTOR Dutra Dredging Company		REPORT NO. 93
DREDGE		NAME AND TYPE M/V Columbia			DATE 04 May 2016 - Wednesday	
LOADS						
LOAD NUMBER	DREDGING AREA DISPOSAL AREA	START TIME STOP TIME (HH:MM)	PUMPING TURNING (MIN)	TO DUMP DUMPING TO CUT (MIN)	TOTAL TIME DREDGED AMOUNT AGITATED AMOUNT (MIN/CYS)	
1	Sta 940+00 to 1000+00 Mobile 102-SW	00:00 00:28	28 0	133 4 83	248 2,635 0	
2	Sta 940+00 to 1000+00 Mobile 102-SW	04:08 04:46	38 0	163 33 176	410 2,635 0	
3	Sta 940+00 to 1000+00 Mobile 102-SW	10:58 11:40	25 17	139 4 139	324 2,635 0	
4	Sta 940+00 to 1000+00 Mobile 102-SW	16:22 16:59	37 0	176 4 141	358 2,635 0	
5	Sta 940+00 to 1000+00 Mobile 102-SW	22:20 22:21	1 0	0 0 99	100 0 0	
QC NARRATIVE(S) GENERAL COMMENTS 1440 Minutes @ 100%						

QUALITY CONTROL REPORT-HOPPER DREDGE										PAGE NO. Page 189 of 494						
CONTRACT NO. W91278-16-D-0041 0001		CONTRACT TITLE IDIQ Rental Hopper Dredge in Mobile					CONTRACTOR Dutra Dredging Company			REPORT NO. 93						
CHARACTER OF REPORT		<input checked="" type="checkbox"/> MAINTENANCE <input type="checkbox"/> NEW WORK							DATE 04 May 2016 - Wednesday							
DREDGE (M/V Stuyvesant)		HOPPER CAP: 9,878 CY		AVG VOL OF BIN WATER: 0 CY		AVG UNFILLED CAP: 0 CY										
		NO. OF CREW MEMBERS	DREDGE 22	OTHER PLANT 2	WORK SCHEDULE	SHIFTS PER DAY 2		DAYS PER WEEK 7								
LOCATION OF WORK		LOCATION CHANNEL Mobile River		REACH DREDGED; STA TO STA Sta 22+00 to 74+00		DISPOSAL AREA USE Mobile 102-SW		QTY DEPOSITED GROSS(CY) 11,854		CUMULATIVE AND QTY DEPOSIT FOR DA(CY) 29,635						
		AVG LENGTH OF CUT 5,200 FT		AVG WIDTH OF CUT 400 FT		AVG DIST TO DUMP 44 NM										
CHARACTER OF MATERIAL		DENSITY OF MATERIALS						GMS/LITER 1.045								
		DENSITY OF WATER				1.006		GMS/LITER@ 72 °F								
RIVER/TIDE STAGE		MIN 0	TIME 00:00	MAX 0	TIME 00:00	GAGE LOCATION Mobile State Docks										
		MIN 0	TIME 00:00	MAX 0	TIME 00:00	GAGE DATUM NA										
WEATHER CONDITION		WEATHER			TEMP (min / max)		VISIBILITY		WIND							
		Weather Caused No Delay			60 °F / 77 °F		10		18							
DRAFT					DISTRIBUTION OF TIME AND MILES RUN											
FORWARD		LIGHT		LOADED				AGITATING (MIN)		DREDGE & HAUL (MIN)		MILES RUN (NAUT MI)				
		17		28												
AFT						EFFECTIVE WORKING TIME:										
		28		30		PUMPING:		00:00		00:47		0.0				
DRAG DEPTH MAX 44 MIN 40					TURNING:		00:00		00:00		0.0					
					TO DUMP:		00:00		11:28		0.0					
INDICATORS LAST CHECKED ON 05/02/2016					CONNECTING:		00:00		00:00		0.0					
					DUMPING:		00:00		00:12		0.0					
AVERAGE SPEED OF DREDGE DURING LOADING					FT/MIN		2		DISCONNECTING:		00:00		00:00		0.0	
AVERAGE SPEED OF DREDGE DURING AGITATING					FT/MIN		0		TO CUT:		00:00		10:51		0.0	
GALLONS OF FUEL OIL CONSUMED					GAL		4,728		TOTALS:		00:00		23:18		0.0	
GALLONS OF WATER CONSUMED					GAL		2,000		NON-EFFECTIVE WORKING TIME:							
WORK PERFORMED					TAKING ON FUEL AND SUPPLIES:		00:00		00:00		0.0					
					TO AND FROM WHARF OR ANCHORAGE:		00:00		00:42		0.0					
DREDGING AND HAULING					LOSS DUE TO NATURAL ELEMENTS:		00:00		00:00		0.0					
					LOSS DUE TO TRAFFIC AND BRIDGES		00:00		00:00		0.0					
NO. OF LOADS		TOTAL CYS		DISPOSAL AREA		TOTAL CYS		MINOR OPERATING REPAIRS:		00:00		00:00		0.0		
3		11,854		Mobile 102-SW		0		TRANSFERRING BETWEEN WORKS:		00:00		00:00		0.0		
								LAY TIME:		00:00		00:00		0.0		
								FIRE AND BOAT DRILLS:		00:00		00:00		0.0		
								MISCELLANEOUS:		00:00		00:00		0.0		
								TOTALS:		00:00		00:42		0.0		
ATTENDANT PLANT					LOST TIME:											
					MAJOR REPAIRS AND ALTERATIONS:		00:00		00:00		0.0					
ITEM		NAME OR NUMBER		H.P.		HOURS		CESSATION:		00:00		00:00		0.0		
								COLLISIONS:		00:00		00:00		0.0		
								TOTALS:		00:00		00:00		0.0		
								TOTAL TIME/MILES:		00:00		24:00		0.0		

QUALITY CONTROL REPORT-HOPPER DREDGE					PAGE NO. Page 190 of 494	
CONTRACT NO. W91278-16-D-0041 0001		CONTRACT TITLE IDIQ Rental Hopper Dredge in Mobile		CONTRACTOR Dutra Dredging Company		REPORT NO. 93
DREDGE		NAME AND TYPE M/V Stuyvesant			DATE 04 May 2016 - Wednesday	
LOADS						
LOAD NUMBER	DREDGING AREA DISPOSAL AREA	START TIME STOP TIME (HH:MM)	PUMPING TURNING (MIN)	TO DUMP DUMPING TO CUT (MIN)	TOTAL TIME DREDGED AMOUNT AGITATED AMOUNT (MIN/CYS)	
1	Sta 22+00 to 74+00 Mobile 102-SW	00:00 00:15	15 0	296 6 198	515 5,927 0	
2	Sta 22+00 to 74+00 Mobile 102-SW	09:17 09:34	17 0	237 6 227	487 5,927 0	
3	Sta 22+00 to 74+00 Mobile 102-SW	17:24 17:39	15 0	155 0 226	396 0 0	
QC NARRATIVE(S) GENERAL COMMENTS Dredge Stuyvesant Started dredging operations at 1:49 am 1398 Minutes @ 100% 42 Minutes @ 0% Crew transfers						

QUALITY CONTROL REPORT-HOPPER DREDGE										PAGE NO. Page 191 of 494	
CONTRACT NO. W91278-16-D-0041 0001		CONTRACT TITLE IDIQ Rental Hopper Dredge in Mobile					CONTRACTOR Dutra Dredging Company			REPORT NO. 94	
CHARACTER OF REPORT		<input checked="" type="checkbox"/> MAINTENANCE <input type="checkbox"/> NEW WORK							DATE 05 May 2016 - Thursday		
DREDGE (M/V Columbia)		HOPPER CAP: 4,387 CY		AVG VOL OF BIN WATER: 4,387 CY		AVG UNFILLED CAP: 4,387 CY					
		NO. OF CREW MEMBERS	DREDGE 13	OTHER PLANT 5	WORK SCHEDULE	SHIFTS PER DAY 2	DAYS PER WEEK 7				
LOCATION OF WORK		LOCATION CHANNEL Mobile Harbor	REACH DREDGED; STA TO STA Sta 940+00 to 1000+00		DISPOSAL AREA USE Mobile 102 -SW		QTY DEPOSITED GROSS(CY) 13,175	CUMULATIVE AND QTY DEPOSIT FOR DA(CY) 837,930			
		AVG LENGTH OF CUT 6,000 FT		AVG WIDTH OF CUT 400 FT		AVG DIST TO DUMP 24 NM					
CHARACTER OF MATERIAL		DENSITY OF MATERIALS						GMS/LITER 1.045			
		DENSITY OF WATER			1.006			GMS/LITER@ 70 °F			
RIVER/TIDE STAGE		MIN 1	TIME 00:00	MAX 0	TIME 00:00	GAGE LOCATION Fowl River					
		MIN 1	TIME 00:00	MAX 0	TIME 00:00	GAGE DATUM MLLW					
WEATHER CONDITION		WEATHER Weather Caused No Delay		TEMP (min / max) 61 °F / 78 °F		VISIBILITY 10		WIND 5			
DRAFT					DISTRIBUTION OF TIME AND MILES RUN						
FORWARD		LIGHT		LOADED				AGITATING (MIN)	DREDGE & HAUL (MIN)	MILES RUN (NAUT MI)	
		8		15		EFFECTIVE WORKING TIME:					
AFT		10		16		PUMPING: 00:00 02:28 0.0					
		TURNING: 00:00 00:07 0.0									
DRAG DEPTH MAX 49 MIN 44					TO DUMP: 00:00 10:19 0.0						
					CONNECTING: 00:00 00:00 0.0						
INDICATORS LAST CHECKED ON 04/17/2016					DUMPING: 00:00 00:16 0.0						
					DISCONNECTING: 00:00 00:00 0.0						
AVERAGE SPEED OF DREDGE DURING LOADING					FT/MIN 2		TO CUT: 00:00 10:50 0.0				
AVERAGE SPEED OF DREDGE DURING AGITATING					FT/MIN 0		TOTALS: 00:00 24:00 0.0				
GALLONS OF FUEL OIL CONSUMED					GAL 2,612		NON-EFFECTIVE WORKING TIME:				
GALLONS OF WATER CONSUMED					GAL 1,158		TAKING ON FUEL AND SUPPLIES: 00:00 00:00 0.0				
WORK PERFORMED					TO AND FROM WHARF OR ANCHORAGE: 00:00 00:00 0.0						
					LOSS DUE TO NATURAL ELEMENTS: 00:00 00:00 0.0						
DREDGING AND HAULING				AGITATING		LOSS DUE TO TRAFFIC AND BRIDGES 00:00 00:00 0.0					
NO. OF LOADS	TOTAL CYS	DISPOSAL AREA		TOTAL CYS		MINOR OPERATING REPAIRS: 00:00 00:00 0.0					
5	13,175	Mobile 102-SW		0		TRANSFERRING BETWEEN WORKS: 00:00 00:00 0.0					
						LAY TIME: 00:00 00:00 0.0					
						FIRE AND BOAT DRILLS: 00:00 00:00 0.0					
ATTENDANT PLANT					MISCELLANEOUS: 00:00 00:00 0.0						
					TOTALS: 00:00 00:00 0.0						
ITEM					NAME OR NUMBER		H.P.	HOURS			
40' Crewboat		Cape Anne		400		12:00					
					LOST TIME:						
					MAJOR REPAIRS AND ALTERATIONS: 00:00 00:00 0.0						
					CESSATION: 00:00 00:00 0.0						
					COLLISIONS: 00:00 00:00 0.0						
					TOTALS: 00:00 00:00 0.0						
					TOTAL TIME/MILES: 00:00 24:00 0.0						

QUALITY CONTROL REPORT-HOPPER DREDGE					PAGE NO. Page 192 of 494	
CONTRACT NO. W91278-16-D-0041 0001		CONTRACT TITLE IDIQ Rental Hopper Dredge in Mobile		CONTRACTOR Dutra Dredging Company		REPORT NO. 94
DREDGE		NAME AND TYPE M/V Columbia			DATE 05 May 2016 - Thursday	
LOADS						
LOAD NUMBER	DREDGING AREA DISPOSAL AREA	START TIME STOP TIME (HH:MM)	PUMPING TURNING (MIN)	TO DUMP DUMPING TO CUT (MIN)	TOTAL TIME DREDGED AMOUNT AGITATED AMOUNT (MIN/CYS)	
1	Sta 940+00 to 1000+00 Mobile 102-SW	00:00 00:27	27 0	154 4 42	227 2,635 0	
2	Sta 940+00 to 1000+00 Mobile 102-SW	03:47 04:20	33 0	137 4 157	331 2,635 0	
3	Sta 940+00 to 1000+00 Mobile 102-SW	09:18 09:51	26 7	155 4 148	340 2,635 0	
4	Sta 940+00 to 1000+00 Mobile 102-SW	14:58 15:30	32 0	155 4 144	335 2,635 0	
5	Sta 940+00 to 1000+00 Mobile 102-SW	20:33 21:03	30 0	18 0 159	207 2,635 0	
QC NARRATIVE(S) GENERAL COMMENTS 1440 Minutes @ 100%						

QUALITY CONTROL REPORT-HOPPER DREDGE								PAGE NO.	
								Page 193 of 494	
CONTRACT NO. W91278-16-D-0041 0001		CONTRACT TITLE IDIQ Rental Hopper Dredge in Mobile				CONTRACTOR Dutra Dredging Company		REPORT NO. 94	
CHARACTER OF REPORT		<input checked="" type="checkbox"/> MAINTENANCE <input type="checkbox"/> NEW WORK				DATE 05 May 2016 - Thursday			
DREDGE (M/V Stuyvesant)		HOPPER CAP: 9,878 CY		AVG VOL OF BIN WATER: 0 CY		AVG UNFILLED CAP: 0 CY			
		NO. OF CREW MEMBERS 22	DREDGE 2	OTHER PLANT 2	WORK SCHEDULE	SHIFTS PER DAY 2	DAYS PER WEEK 7		
LOCATION OF WORK		LOCATION CHANNEL Mobile River		REACH DREDGED; STA TO STA Sta 22+00 to 74+00		DISPOSAL AREA USE Mobile 102-SW		QTY DEPOSITED GROSS(CY) 17,781	
								CUMULATIVE AND QTY DEPOSIT FOR DA(CY) 47,416	
		AVG LENGTH OF CUT 5,200 FT		AVG WIDTH OF CUT 400 FT		AVG DIST TO DUMP 44 NM			
CHARACTER OF MATERIAL		DENSITY OF MATERIALS				GMS/LITER 1.045			
		DENSITY OF WATER		1.006		GMS/LITER@ 72 °F			
RIVER/TIDE STAGE		MIN 0	TIME 00:00	MAX 0	TIME 00:00	GAGE LOCATION Mobile State Docks			
		MIN 0	TIME 00:00	MAX 0	TIME 00:00	GAGE DATUM NA			
WEATHER CONDITION		WEATHER Weather Caused No Delay		TEMP (min / max) 61 °F / 78 °F		VISIBILITY 10		WIND 5	
DRAFT				DISTRIBUTION OF TIME AND MILES RUN					
FORWARD		LIGHT	LOADED				AGITATING (MIN)	DREDGE & HAUL (MIN)	MILES RUN (NAUT MI)
		17	28		EFFECTIVE WORKING TIME:				
AFT		28	30		PUMPING: 00:00 00:35 0.0				
					TURNING: 00:00 00:00 0.0				
DRAG DEPTH MAX 44 MIN 40					TO DUMP: 00:00 10:39 0.0				
INDICATORS LAST CHECKED ON 05/02/2016					CONNECTING: 00:00 00:00 0.0				
AVERAGE SPEED OF DREDGE DURING LOADING					DUMPING: 00:00 00:20 0.0				
			FT/MIN 2		DISCONNECTING: 00:00 00:00 0.0				
AVERAGE SPEED OF DREDGE DURING AGITATING					TO CUT: 00:00 06:14 0.0				
			FT/MIN 0		TOTALS: 00:00 17:48 0.0				
GALLONS OF FUEL OIL CONSUMED					NON-EFFECTIVE WORKING TIME:				
			GAL 7,980		TAKING ON FUEL AND SUPPLIES: 00:00 00:00 0.0				
GALLONS OF WATER CONSUMED					TO AND FROM WHARF OR ANCHORAGE: 00:00 00:00 0.0				
			GAL 2,000		LOSS DUE TO NATURAL ELEMENTS: 00:00 00:00 0.0				
WORK PERFORMED				LOSS DUE TO TRAFFIC AND BRIDGES 00:00 00:00 0.0					
DREDGING AND HAULING		AGITATING		MINOR OPERATING REPAIRS: 00:00 00:00 0.0					
NO. OF LOADS	TOTAL CYS	DISPOSAL AREA		TOTAL CYS		TRANSFERRING BETWEEN WORKS: 00:00 00:00 0.0			
3	17,781	Mobile 102-SW		0		LAY TIME: 00:00 00:00 0.0			
						FIRE AND BOAT DRILLS: 00:00 00:00 0.0			
						MISCELLANEOUS: 00:00 06:12 0.0			
						TOTALS: 00:00 06:12 0.0			
ATTENDANT PLANT				LOST TIME:					
ITEM	NAME OR NUMBER		H.P.	HOURS	MAJOR REPAIRS AND ALTERATIONS: 00:00 00:00 0.0				
					CESSATION: 00:00 00:00 0.0				
					COLLISIONS: 00:00 00:00 0.0				
					TOTALS: 00:00 00:00 0.0				
					TOTAL TIME/MILES: 00:00 24:00 0.0				

QUALITY CONTROL REPORT-HOPPER DREDGE			PAGE NO. Page 194 of 494
CONTRACT NO. W91278-16-D-0041 0001	CONTRACT TITLE IDIQ Rental Hopper Dredge in Mobile	CONTRACTOR Dutra Dredging Company	REPORT NO. 94
DREDGE	NAME AND TYPE M/V Stuyvesant		DATE 05 May 2016 - Thursday

LOADS					
LOAD NUMBER	DREDGING AREA DISPOSAL AREA	START TIME STOP TIME (HH:MM)	PUMPING TURNING (MIN)	TO DUMP DUMPING TO CUT (MIN)	TOTAL TIME DREDGED AMOUNT AGITATED AMOUNT (MIN/CYS)
1	Sta 22+00 to 74+00 Mobile 102-SW	00:00 00:01	1 0	151 6 0	158 5,927 0
2	Sta 22+00 to 74+00 Mobile 102-SW	02:38 02:55	17 0	253 7 165	442 5,927 0
3	Sta 22+00 to 74+00 Mobile 102-SW	10:00 10:17	17 0	235 7 209	468 5,927 0

QC NARRATIVE(S)

GENERAL COMMENTS

Dredge Stuyvesant completed dredging operations at 17:48 hours

1068 Minutes @ 100%
372 Minutes @ 0% Other - off contract

QUALITY CONTROL REPORT-HOPPER DREDGE										PAGE NO. Page 195 of 494	
CONTRACT NO. W91278-16-D-0041 0001		CONTRACT TITLE IDIQ Rental Hopper Dredge in Mobile					CONTRACTOR Dutra Dredging Company			REPORT NO. 95	
CHARACTER OF REPORT		<input checked="" type="checkbox"/> MAINTENANCE <input type="checkbox"/> NEW WORK							DATE 06 May 2016 - Friday		
DREDGE (M/V Columbia)		HOPPER CAP: 4,387 CY		AVG VOL OF BIN WATER: 4,387 CY		AVG UNFILLED CAP: 4,387 CY					
		NO. OF CREW MEMBERS	DREDGE 13	OTHER PLANT 5	WORK SCHEDULE	SHIFTS PER DAY 2	DAYS PER WEEK 7				
LOCATION OF WORK		LOCATION CHANNEL Mobile Harbor	REACH DREDGED; STA TO STA Sta 940+00 to 1000+00		DISPOSAL AREA USE Mobile 102 -SW		QTY DEPOSITED GROSS(CY) 10,540	CUMULATIVE AND QTY DEPOSIT FOR DA(CY) 848,470			
		AVG LENGTH OF CUT 6,000 FT		AVG WIDTH OF CUT 400 FT		AVG DIST TO DUMP 24 NM					
CHARACTER OF MATERIAL		DENSITY OF MATERIALS						GMS/LITER 1.045			
		DENSITY OF WATER			1.006			GMS/LITER@ 70 °F			
RIVER/TIDE STAGE		MIN 1	TIME 00:00	MAX 0	TIME 00:00	GAGE LOCATION Fowl River					
		MIN 1	TIME 00:00	MAX 0	TIME 00:00	GAGE DATUM MLLW					
WEATHER CONDITION		WEATHER Weather Caused No Delay		TEMP (min / max) 52 °F / 77 °F		VISIBILITY 14		WIND 5			
DRAFT					DISTRIBUTION OF TIME AND MILES RUN						
FORWARD		LIGHT		LOADED				AGITATING (MIN)	DREDGE & HAUL (MIN)	MILES RUN (NAUT MI)	
		8		15		EFFECTIVE WORKING TIME:					
AFT		10		16		PUMPING: 00:00 01:49 0.0					
		TURNING: 00:00 00:05 0.0									
DRAG DEPTH MAX 49 MIN 44					TO DUMP: 00:00 11:45 0.0						
					CONNECTING: 00:00 00:00 0.0						
INDICATORS LAST CHECKED ON 04/17/2016					DUMPING: 00:00 00:34 0.0						
					DISCONNECTING: 00:00 00:00 0.0						
AVERAGE SPEED OF DREDGE DURING LOADING					FT/MIN 2		TO CUT: 00:00 09:47 0.0				
AVERAGE SPEED OF DREDGE DURING AGITATING					FT/MIN 0		TOTALS: 00:00 24:00 0.0				
GALLONS OF FUEL OIL CONSUMED					GAL 2,736		NON-EFFECTIVE WORKING TIME:				
GALLONS OF WATER CONSUMED					GAL 784		TAKING ON FUEL AND SUPPLIES: 00:00 00:00 0.0				
WORK PERFORMED					TO AND FROM WHARF OR ANCHORAGE: 00:00 00:00 0.0						
DREDGING AND HAULING				AGITATING		LOSS DUE TO NATURAL ELEMENTS: 00:00 00:00 0.0					
NO. OF LOADS	TOTAL CYS	DISPOSAL AREA		TOTAL CYS		LOSS DUE TO TRAFFIC AND BRIDGES 00:00 00:00 0.0					
5	10,540	Mobile 102-SW		0		MINOR OPERATING REPAIRS: 00:00 00:00 0.0					
						TRANSFERRING BETWEEN WORKS: 00:00 00:00 0.0					
						LAY TIME: 00:00 00:00 0.0					
						FIRE AND BOAT DRILLS: 00:00 00:00 0.0					
ATTENDANT PLANT					MISCELLANEOUS: 00:00 00:00 0.0						
ITEM	NAME OR NUMBER		H.P.	HOURS	TOTALS: 00:00 00:00 0.0						
40' Crewboat	Cape Anne		400	12:00	LOST TIME:						
					MAJOR REPAIRS AND ALTERATIONS: 00:00 00:00 0.0						
					CESSATION: 00:00 00:00 0.0						
					COLLISIONS: 00:00 00:00 0.0						
					TOTALS: 00:00 00:00 0.0						
					TOTAL TIME/MILES: 00:00 24:00 0.0						

QUALITY CONTROL REPORT-HOPPER DREDGE			PAGE NO. Page 196 of 494
CONTRACT NO. W91278-16-D-0041 0001	CONTRACT TITLE IDIQ Rental Hopper Dredge in Mobile	CONTRACTOR Dutra Dredging Company	REPORT NO. 95
DREDGE	NAME AND TYPE M/V Columbia	DATE 06 May 2016 - Friday	

LOADS					
LOAD NUMBER	DREDGING AREA DISPOSAL AREA	START TIME STOP TIME (HH:MM)	PUMPING TURNING (MIN)	TO DUMP DUMPING TO CUT (MIN)	TOTAL TIME DREDGED AMOUNT AGITATED AMOUNT (MIN/CYS)
1	Sta 940+00 to 1000+00 Mobile 102-SW	00:00 00:01	1 0	122 4 0	127 2,635 0
2	Sta 940+00 to 1000+00 Mobile 102-SW	02:07 02:38	26 5	141 22 159	353 2,635 0
3	Sta 940+00 to 1000+00 Mobile 102-SW	08:00 08:26	26 0	152 4 125	307 2,635 0
4	Sta 940+00 to 1000+00 Mobile 102-SW	13:07 13:37	30 0	141 4 143	318 2,635 0
5	Sta 940+00 to 1000+00 Mobile 102-SW	18:25 18:51	26 0	149 0 160	335 0 0

QC NARRATIVE(S)

GENERAL COMMENTS

1440 Minutes @ 100%

QUALITY CONTROL REPORT-HOPPER DREDGE										PAGE NO. Page 197 of 494	
CONTRACT NO. W91278-16-D-0041 0001		CONTRACT TITLE IDIQ Rental Hopper Dredge in Mobile					CONTRACTOR Dutra Dredging Company			REPORT NO. 96	
CHARACTER OF REPORT		<input checked="" type="checkbox"/> MAINTENANCE <input type="checkbox"/> NEW WORK							DATE 07 May 2016 - Saturday		
DREDGE (M/V Columbia)		HOPPER CAP: 4,387 CY		AVG VOL OF BIN WATER: 4,387 CY		AVG UNFILLED CAP: 4,387 CY					
		NO. OF CREW MEMBERS	DREDGE 13	OTHER PLANT 5	WORK SCHEDULE	SHIFTS PER DAY 2	DAYS PER WEEK 7				
LOCATION OF WORK		LOCATION CHANNEL Mobile Harbor	REACH DREDGED; STA TO STA Sta 940+00 to 1000+00		DISPOSAL AREA USE Mobile 102 -SW		QTY DEPOSITED GROSS(CY) 13,175	CUMULATIVE AND QTY DEPOSIT FOR DA(CY) 861,645			
		AVG LENGTH OF CUT 6,000 FT		AVG WIDTH OF CUT 400 FT		AVG DIST TO DUMP 24 NM					
CHARACTER OF MATERIAL		DENSITY OF MATERIALS					GMS/LITER 1.045				
		DENSITY OF WATER			1.006		GMS/LITER@ 70 °F				
RIVER/TIDE STAGE		MIN 1	TIME 00:00	MAX 0	TIME 00:00	GAGE LOCATION Fowl River					
		MIN 1	TIME 00:00	MAX 0	TIME 00:00	GAGE DATUM MLLW					
WEATHER CONDITION		WEATHER Weather Caused No Delay		TEMP (min / max) 53 °F / 79 °F		VISIBILITY 14		WIND 5			
DRAFT					DISTRIBUTION OF TIME AND MILES RUN						
FORWARD		LIGHT		LOADED				AGITATING (MIN)	DREDGE & HAUL (MIN)	MILES RUN (NAUT MI)	
		8		15		EFFECTIVE WORKING TIME:					
AFT		10		16		PUMPING:		00:00	01:53	0.0	
						TURNING:		00:00	00:00	0.0	
						TO DUMP:		00:00	09:52	0.0	
						CONNECTING:		00:00	00:00	0.0	
						DUMPING:		00:00	00:33	0.0	
						DISCONNECTING:		00:00	00:00	0.0	
						TO CUT:		00:00	11:42	0.0	
						TOTALS:		00:00	24:00	0.0	
DRAG DEPTH MAX 49 MIN 44						NON-EFFECTIVE WORKING TIME:					
INDICATORS LAST CHECKED ON 04/17/2016						TAKING ON FUEL AND SUPPLIES:		00:00	00:00	0.0	
AVERAGE SPEED OF DREDGE DURING LOADING				FT/MIN 2		TO AND FROM WHARF OR ANCHORAGE:		00:00	00:00	0.0	
AVERAGE SPEED OF DREDGE DURING AGITATING				FT/MIN 0		LOSS DUE TO NATURAL ELEMENTS:		00:00	00:00	0.0	
GALLONS OF FUEL OIL CONSUMED				GAL 2,942		LOSS DUE TO TRAFFIC AND BRIDGES		00:00	00:00	0.0	
GALLONS OF WATER CONSUMED				GAL 672		MINOR OPERATING REPAIRS:		00:00	00:00	0.0	
WORK PERFORMED							TRANSFERRING BETWEEN WORKS:		00:00	00:00	0.0
DREDGING AND HAULING				AGITATING		LAY TIME:		00:00	00:00	0.0	
NO. OF LOADS	TOTAL CYS	DISPOSAL AREA		TOTAL CYS		FIRE AND BOAT DRILLS:		00:00	00:00	0.0	
6	13,175	Mobile 102-SW		0		MISCELLANEOUS:		00:00	00:00	0.0	
						TOTALS:		00:00	00:00	0.0	
						LOST TIME:					
						MAJOR REPAIRS AND ALTERATIONS:		00:00	00:00	0.0	
						CESSATION:		00:00	00:00	0.0	
						COLLISIONS:		00:00	00:00	0.0	
						TOTALS:		00:00	00:00	0.0	
						TOTAL TIME/MILES:		00:00	24:00	0.0	
RMS FORM 27A											

QUALITY CONTROL REPORT-HOPPER DREDGE					PAGE NO. <div>Page 198 of 494</div>	
CONTRACT NO. W91278-16-D-0041 0001		CONTRACT TITLE IDIQ Rental Hopper Dredge in Mobile		CONTRACTOR Dutra Dredging Company		REPORT NO. 96
DREDGE		NAME AND TYPE M/V Columbia			DATE 07 May 2016 - Saturday	
LOADS						
LOAD NUMBER	DREDGING AREA DISPOSAL AREA	START TIME STOP TIME (HH:MM)	PUMPING TURNING (MIN)	TO DUMP DUMPING TO CUT (MIN)	TOTAL TIME DREDGED AMOUNT AGITATED AMOUNT (MIN/CYS)	
1	Sta 940+00 to 1000+00 Mobile 102-SW	00:00 00:01	1 0	10 4 0	15 2,635 0	
2	Sta 940+00 to 1000+00 Mobile 102-SW	00:15 00:39	24 0	146 4 145	319 2,635 0	
3	Sta 940+00 to 1000+00 Mobile 102-SW	05:34 06:07	33 0	148 17 143	341 2,635 0	
4	Sta 940+00 to 1000+00 Mobile 102-SW	11:15 11:41	26 0	146 4 143	319 2,635 0	
5	Sta 940+00 to 1000+00 Mobile 102-SW	16:34 17:02	28 0	142 4 146	320 2,635 0	
6	Sta 940+00 to 1000+00 Mobile 102-SW	21:54 21:55	1 0	0 0 125	126 0 0	
<div>QC NARRATIVE(S)</div> <div>GENERAL COMMENTS</div> <div>1440 Minutes @ 100%</div>						

QUALITY CONTROL REPORT-HOPPER DREDGE										PAGE NO. Page 199 of 494	
CONTRACT NO. W91278-16-D-0041 0001		CONTRACT TITLE IDIQ Rental Hopper Dredge in Mobile					CONTRACTOR Dutra Dredging Company			REPORT NO. 97	
CHARACTER OF REPORT		<input checked="" type="checkbox"/> MAINTENANCE <input type="checkbox"/> NEW WORK							DATE 08 May 2016 - Sunday		
DREDGE (M/V Columbia)		HOPPER CAP: 4,387 CY		AVG VOL OF BIN WATER: 4,387 CY		AVG UNFILLED CAP: 4,387 CY					
		NO. OF CREW MEMBERS	DREDGE 13	OTHER PLANT 5	WORK SCHEDULE	SHIFTS PER DAY 2	DAYS PER WEEK 7				
LOCATION OF WORK		LOCATION CHANNEL Mobile Harbor	REACH DREDGED; STA TO STA Sta 940+00 to 1000+00		DISPOSAL AREA USE Mobile 102 -SW		QTY DEPOSITED GROSS(CY) 10,540	CUMULATIVE AND QTY DEPOSIT FOR DA(CY) 872,185			
		AVG LENGTH OF CUT 6,000 FT		AVG WIDTH OF CUT 400 FT		AVG DIST TO DUMP 24 NM					
CHARACTER OF MATERIAL		DENSITY OF MATERIALS						GMS/LITER 1.045			
		DENSITY OF WATER			1.006			GMS/LITER@ 70 °F			
RIVER/TIDE STAGE		MIN 1	TIME 00:00	MAX 0	TIME 00:00	GAGE LOCATION Fowl River					
		MIN 1	TIME 00:00	MAX 0	TIME 00:00	GAGE DATUM MLLW					
WEATHER CONDITION		WEATHER Weather Caused No Delay		TEMP (min / max) 57 °F / 78 °F		VISIBILITY 14		WIND 9			
DRAFT					DISTRIBUTION OF TIME AND MILES RUN						
FORWARD		LIGHT		LOADED				AGITATING (MIN)	DREDGE & HAUL (MIN)	MILES RUN (NAUT MI)	
		8		15		EFFECTIVE WORKING TIME:					
AFT		10		16		PUMPING: 00:00 01:52 0.0					
		TURNING: 00:00 00:16 0.0									
DRAG DEPTH MAX 49 MIN 44					TO DUMP: 00:00 09:19 0.0						
					CONNECTING: 00:00 00:00 0.0						
INDICATORS LAST CHECKED ON 04/17/2016					DUMPING: 00:00 00:25 0.0						
					DISCONNECTING: 00:00 00:00 0.0						
AVERAGE SPEED OF DREDGE DURING LOADING					FT/MIN 2		TO CUT: 00:00 09:51 0.0				
AVERAGE SPEED OF DREDGE DURING AGITATING					FT/MIN 0		TOTALS: 00:00 21:43 0.0				
GALLONS OF FUEL OIL CONSUMED					GAL 2,940		NON-EFFECTIVE WORKING TIME:				
GALLONS OF WATER CONSUMED					GAL 560		TAKING ON FUEL AND SUPPLIES: 00:00 00:00 0.0				
WORK PERFORMED					TO AND FROM WHARF OR ANCHORAGE: 00:00 00:00 0.0						
DREDGING AND HAULING				AGITATING		LOSS DUE TO NATURAL ELEMENTS: 00:00 00:00 0.0					
NO. OF LOADS	TOTAL CYS	DISPOSAL AREA		TOTAL CYS		LOSS DUE TO TRAFFIC AND BRIDGES 00:00 00:00 0.0					
5	10,540	Mobile 102-SW		0		MINOR OPERATING REPAIRS: 00:00 02:17 0.0					
						TRANSFERRING BETWEEN WORKS: 00:00 00:00 0.0					
						LAY TIME: 00:00 00:00 0.0					
						FIRE AND BOAT DRILLS: 00:00 00:00 0.0					
ATTENDANT PLANT					MISCELLANEOUS: 00:00 00:00 0.0						
ITEM	NAME OR NUMBER		H.P.	HOURS	TOTALS: 00:00 02:17 0.0						
40' Crewboat	Cape Anne		400	12:00	LOST TIME:						
					MAJOR REPAIRS AND ALTERATIONS: 00:00 00:00 0.0						
					CESSATION: 00:00 00:00 0.0						
					COLLISIONS: 00:00 00:00 0.0						
					TOTALS: 00:00 00:00 0.0						
					TOTAL TIME/MILES: 00:00 24:00 0.0						

QUALITY CONTROL REPORT-HOPPER DREDGE					PAGE NO. Page 200 of 494	
CONTRACT NO. W91278-16-D-0041 0001		CONTRACT TITLE IDIQ Rental Hopper Dredge in Mobile		CONTRACTOR Dutra Dredging Company		REPORT NO. 97
DREDGE		NAME AND TYPE M/V Columbia			DATE 08 May 2016 - Sunday	
LOADS						
LOAD NUMBER	DREDGING AREA DISPOSAL AREA	START TIME STOP TIME (HH:MM)	PUMPING TURNING (MIN)	TO DUMP DUMPING TO CUT (MIN)	TOTAL TIME DREDGED AMOUNT AGITATED AMOUNT (MIN/CYS)	
1	Sta 940+00 to 1000+00 Mobile 102-SW	00:00 00:28	28 0	140 4 24	196 2,635 0	
2	Sta 940+00 to 1000+00 Mobile 102-SW	03:16 03:51	29 6	141 13 134	323 2,635 0	
3	Sta 940+00 to 1000+00 Mobile 102-SW	08:39 09:11	30 2	138 4 147	321 2,635 0	
4	Sta 940+00 to 1000+00 Mobile 102-SW	14:00 14:32	24 8	140 4 138	314 2,635 0	
5	Sta 940+00 to 1000+00 Mobile 102-SW	19:14 19:15	1 0	0 0 148	149 0 0	
QC NARRATIVE(S) GENERAL COMMENTS 1303 Minutes @ 100% 137 Minutes @ 0% time. Misplaced Load #331. No pay time to dredging and transporting of material.						

QUALITY CONTROL REPORT-HOPPER DREDGE										PAGE NO. Page 201 of 494	
CONTRACT NO. W91278-16-D-0041 0001		CONTRACT TITLE IDIQ Rental Hopper Dredge in Mobile					CONTRACTOR Dutra Dredging Company			REPORT NO. 98	
CHARACTER OF REPORT		<input checked="" type="checkbox"/> MAINTENANCE <input type="checkbox"/> NEW WORK							DATE 09 May 2016 - Monday		
DREDGE (M/V Columbia)		HOPPER CAP: 4,387 CY		AVG VOL OF BIN WATER: 4,387 CY		AVG UNFILLED CAP: 4,387 CY					
		NO. OF CREW MEMBERS	DREDGE 13	OTHER PLANT 5	WORK SCHEDULE	SHIFTS PER DAY 2	DAYS PER WEEK 7				
LOCATION OF WORK		LOCATION CHANNEL Mobile Harbor	REACH DREDGED; STA TO STA Sta 940+00 to 1000+00		DISPOSAL AREA USE Mobile 102 -SW		QTY DEPOSITED GROSS(CY) 10,540	CUMULATIVE AND QTY DEPOSIT FOR DA(CY) 882,725			
		AVG LENGTH OF CUT 6,000 FT		AVG WIDTH OF CUT 400 FT		AVG DIST TO DUMP 24 NM					
CHARACTER OF MATERIAL		DENSITY OF MATERIALS						GMS/LITER 1.045			
		DENSITY OF WATER			1.006			GMS/LITER@ 70 °F			
RIVER/TIDE STAGE		MIN 1	TIME 00:00	MAX 0	TIME 00:00	GAGE LOCATION Fowl River					
		MIN 1	TIME 00:00	MAX 0	TIME 00:00	GAGE DATUM MLLW					
WEATHER CONDITION		WEATHER Weather Caused No Delay		TEMP (min / max) 64 °F / 80 °F		VISIBILITY 14		WIND 7			
DRAFT					DISTRIBUTION OF TIME AND MILES RUN						
FORWARD	LIGHT		LOADED			AGITATING (MIN)	DREDGE & HAUL (MIN)	MILES RUN (NAUT MI)			
	8		15		EFFECTIVE WORKING TIME:						
AFT	10		16		PUMPING: 00:00 02:02 0.0						
					TURNING: 00:00 00:00 0.0						
DRAG DEPTH MAX 49 MIN 44					TO DUMP: 00:00 10:57 0.0						
					CONNECTING: 00:00 00:00 0.0						
INDICATORS LAST CHECKED ON 04/17/2016					DUMPING: 00:00 00:16 0.0						
					DISCONNECTING: 00:00 00:00 0.0						
AVERAGE SPEED OF DREDGE DURING LOADING				FT/MIN 2	TO CUT: 00:00 09:46 0.0						
AVERAGE SPEED OF DREDGE DURING AGITATING				FT/MIN 0	TOTALS: 00:00 23:01 0.0						
GALLONS OF FUEL OIL CONSUMED				GAL 2,514	NON-EFFECTIVE WORKING TIME:						
GALLONS OF WATER CONSUMED				GAL 784	TAKING ON FUEL AND SUPPLIES: 00:00 00:00 0.0						
WORK PERFORMED					TO AND FROM WHARF OR ANCHORAGE: 00:00 00:00 0.0						
DREDGING AND HAULING				AGITATING		LOSS DUE TO NATURAL ELEMENTS: 00:00 00:00 0.0					
NO. OF LOADS	TOTAL CYS	DISPOSAL AREA		TOTAL CYS		LOSS DUE TO TRAFFIC AND BRIDGES 00:00 00:46 0.0					
5	10,540	Mobile 102 - SW		0		MINOR OPERATING REPAIRS: 00:00 00:00 0.0					
						TRANSFERRING BETWEEN WORKS: 00:00 00:00 0.0					
						LAY TIME: 00:00 00:00 0.0					
ATTENDANT PLANT					FIRE AND BOAT DRILLS: 00:00 00:00 0.0						
ITEM	NAME OR NUMBER		H.P.	HOURS	MISCELLANEOUS: 00:00 00:13 0.0						
40' Crewboat	Cape Anne		400	12:00	TOTALS: 00:00 00:59 0.0						
					LOST TIME:						
					MAJOR REPAIRS AND ALTERATIONS: 00:00 00:00 0.0						
					CESSATION: 00:00 00:00 0.0						
					COLLISIONS: 00:00 00:00 0.0						
					TOTALS: 00:00 00:00 0.0						
					TOTAL TIME/MILES: 00:00 24:00 0.0						

QUALITY CONTROL REPORT-HOPPER DREDGE					PAGE NO. <div>Page 202 of 494</div>	
CONTRACT NO. W91278-16-D-0041 0001		CONTRACT TITLE IDIQ Rental Hopper Dredge in Mobile		CONTRACTOR Dutra Dredging Company		REPORT NO. 98
DREDGE		NAME AND TYPE M/V Columbia			DATE 09 May 2016 - Monday	
LOADS						
LOAD NUMBER	DREDGING AREA DISPOSAL AREA	START TIME STOP TIME (HH:MM)	PUMPING TURNING (MIN)	TO DUMP DUMPING TO CUT (MIN)	TOTAL TIME DREDGED AMOUNT AGITATED AMOUNT (MIN/CYS)	
1	Sta 940+00 to 1000+00 Mobile 102 - SW	00:00 00:23	23 0	163 4 0	190 2,635 0	
2	Sta 940+00 to 1000+00 Mobile 102 - SW	03:23 03:58	35 0	153 4 169	361 2,635 0	
3	Sta 940+00 to 1000+00 Mobile 102 - SW	10:10 10:34	24 0	161 4 153	342 2,635 0	
4	Sta 940+00 to 1000+00 Mobile 102 - SW	15:52 16:31	39 0	180 4 153	376 2,635 0	
5	Sta 940+00 to 1000+00 Mobile 102 - SW	22:08 22:09	1 0	0 0 111	112 0 0	
QC NARRATIVE(S) GENERAL COMMENTS 1381 Minutes @ 100% 46 Minutes @ 70% , traffic 13 Minutes @ 0% time. Misplaced Load #331. No pay time to dredging and transporting of material.						

QUALITY CONTROL REPORT-HOPPER DREDGE										PAGE NO. Page 203 of 494	
CONTRACT NO. W91278-16-D-0041 0001		CONTRACT TITLE IDIQ Rental Hopper Dredge in Mobile					CONTRACTOR Dutra Dredging Company			REPORT NO. 99	
CHARACTER OF REPORT		<input checked="" type="checkbox"/> MAINTENANCE <input type="checkbox"/> NEW WORK							DATE 10 May 2016 - Tuesday		
DREDGE (M/V Columbia)		HOPPER CAP: 4,387 CY			AVG VOL OF BIN WATER: 4,387 CY			AVG UNFILLED CAP: 4,387 CY			
		NO. OF CREW MEMBERS	DREDGE 13		OTHER PLANT 5		WORK SCHEDULE		SHIFTS PER DAY 2	DAYS PER WEEK 7	
LOCATION OF WORK		LOCATION CHANNEL Mobile Harbor		REACH DREDGED; STA TO STA Sta 940+00 to 1000+00			DISPOSAL AREA USE Mobile 102 -SW		QTY DEPOSITED GROSS(CY) 10,540	CUMULATIVE AND QTY DEPOSIT FOR DA(CY) 893,265	
		AVG LENGTH OF CUT 6,000 FT			AVG WIDTH OF CUT 400 FT			AVG DIST TO DUMP 24 NM			
CHARACTER OF MATERIAL		DENSITY OF MATERIALS						GMS/LITER 1.045			
		DENSITY OF WATER				1.006		GMS/LITER@ 70 °F			
RIVER/TIDE STAGE		MIN 1	TIME 00:00	MAX 0	TIME 00:00	GAGE LOCATION Fowl River					
		MIN 1	TIME 00:00	MAX 0	TIME 00:00	GAGE DATUM MLLW					
WEATHER CONDITION		WEATHER Weather Caused No Delay			TEMP (min / max) 70 °F / 80 °F		VISIBILITY 14		WIND 8		
DRAFT					DISTRIBUTION OF TIME AND MILES RUN						
FORWARD		LIGHT		LOADED				AGITATING (MIN)	DREDGE & HAUL (MIN)	MILES RUN (NAUT MI)	
		8		15				EFFECTIVE WORKING TIME:			
AFT		10		16				PUMPING: 00:00 01:43 0.0			
								TURNING: 00:00 00:07 0.0			
DRAG DEPTH MAX 49 MIN 44									TO DUMP: 00:00 10:37 0.0		
									CONNECTING: 00:00 00:00 0.0		
INDICATORS LAST CHECKED ON 04/17/2016									DUMPING: 00:00 00:16 0.0		
									DISCONNECTING: 00:00 00:00 0.0		
AVERAGE SPEED OF DREDGE DURING LOADING					FT/MIN 2			TO CUT: 00:00 11:17 0.0			
AVERAGE SPEED OF DREDGE DURING AGITATING					FT/MIN 0			TOTALS: 00:00 24:00 0.0			
GALLONS OF FUEL OIL CONSUMED					GAL 2,715	NON-EFFECTIVE WORKING TIME:					
GALLONS OF WATER CONSUMED					GAL 935			TAKING ON FUEL AND SUPPLIES: 00:00 00:00 0.0			
WORK PERFORMED									TO AND FROM WHARF OR ANCHORAGE: 00:00 00:00 0.0		
									LOSS DUE TO NATURAL ELEMENTS: 00:00 00:00 0.0		
DREDGING AND HAULING			AGITATING						LOSS DUE TO TRAFFIC AND BRIDGES 00:00 00:00 0.0		
NO. OF LOADS	TOTAL CYS	DISPOSAL AREA		TOTAL CYS						MINOR OPERATING REPAIRS: 00:00 00:00 0.0	
5	10,540	Mobile 102 - SW		0						TRANSFERRING BETWEEN WORKS: 00:00 00:00 0.0	
										LAY TIME: 00:00 00:00 0.0	
										FIRE AND BOAT DRILLS: 00:00 00:00 0.0	
ATTENDANT PLANT									MISCELLANEOUS: 00:00 00:00 0.0		
									TOTALS: 00:00 00:00 0.0		
ITEM	NAME OR NUMBER		H.P.	HOURS	LOST TIME:						
40' Crewboat	Cape Anne		400	12:00							
									MAJOR REPAIRS AND ALTERATIONS: 00:00 00:00 0.0		
									CESSATION: 00:00 00:00 0.0		
									COLLISIONS: 00:00 00:00 0.0		
									TOTALS: 00:00 00:00 0.0		
									TOTAL TIME/MILES: 00:00 24:00 0.0		

QUALITY CONTROL REPORT-HOPPER DREDGE					PAGE NO. Page 204 of 494	
CONTRACT NO. W91278-16-D-0041 0001		CONTRACT TITLE IDIQ Rental Hopper Dredge in Mobile		CONTRACTOR Dutra Dredging Company		REPORT NO. 99
DREDGE		NAME AND TYPE M/V Columbia			DATE 10 May 2016 - Tuesday	
LOADS						
LOAD NUMBER	DREDGING AREA DISPOSAL AREA	START TIME STOP TIME (HH:MM)	PUMPING TURNING (MIN)	TO DUMP DUMPING TO CUT (MIN)	TOTAL TIME DREDGED AMOUNT AGITATED AMOUNT (MIN/CYS)	
1	Sta 940+00 to 1000+00 Mobile 102 - SW	00:00 00:33	26 7	161 4 46	244 2,635 0	
2	Sta 940+00 to 1000+00 Mobile 102 - SW	04:04 04:30	26 0	155 4 150	335 2,635 0	
3	Sta 940+00 to 1000+00 Mobile 102 - SW	09:39 10:01	22 0	160 4 163	349 2,635 0	
4	Sta 940+00 to 1000+00 Mobile 102 - SW	15:28 15:56	28 0	161 4 154	347 2,635 0	
5	Sta 940+00 to 1000+00 Mobile 102 - SW	21:15 21:16	1 0	0 0 164	165 0 0	
QC NARRATIVE(S) GENERAL COMMENTS 1440 Minutes @ 100%						

QUALITY CONTROL REPORT-HOPPER DREDGE										PAGE NO. Page 205 of 494								
CONTRACT NO. W91278-16-D-0041 0001		CONTRACT TITLE IDIQ Rental Hopper Dredge in Mobile					CONTRACTOR Dutra Dredging Company			REPORT NO. 100								
CHARACTER OF REPORT		<input checked="" type="checkbox"/> MAINTENANCE <input type="checkbox"/> NEW WORK							DATE 11 May 2016 - Wednesday									
DREDGE (M/V Columbia)		HOPPER CAP: 4,387 CY		AVG VOL OF BIN WATER: 4,387 CY			AVG UNFILLED CAP: 4,387 CY											
		NO. OF CREW MEMBERS	DREDGE 13	OTHER PLANT 5		WORK SCHEDULE		SHIFTS PER DAY 2		DAYS PER WEEK 7								
LOCATION OF WORK		LOCATION CHANNEL Mobile Harbor		REACH DREDGED; STA TO STA Sta 940+00 to 1000+00			DISPOSAL AREA USE Mobile 102 -SW		QTY DEPOSITED GROSS(CY) 5,270		CUMULATIVE AND QTY DEPOSIT FOR DA(CY) 898,535							
		AVG LENGTH OF CUT 6,000 FT			AVG WIDTH OF CUT 400 FT			AVG DIST TO DUMP 24 NM										
CHARACTER OF MATERIAL		DENSITY OF MATERIALS						GMS/LITER 1.045										
		DENSITY OF WATER				1.006		GMS/LITER@ 70 °F										
RIVER/TIDE STAGE		MIN 1	TIME 00:00	MAX 0	TIME 00:00	GAGE LOCATION Fowl River												
		MIN 1	TIME 00:00	MAX 0	TIME 00:00	GAGE DATUM MLLW												
WEATHER CONDITION		WEATHER Weather Caused No Delay			TEMP (min / max) 72 °F / 82 °F		VISIBILITY 14		WIND 8									
DRAFT					DISTRIBUTION OF TIME AND MILES RUN													
FORWARD		LIGHT		LOADED				AGITATING (MIN)		DREDGE & HAUL (MIN)		MILES RUN (NAUT MI)						
		8		15		EFFECTIVE WORKING TIME:												
AFT		10		16		PUMPING:		00:00		01:12		0.0						
						TURNING:		00:00		00:00		0.0						
DRAG DEPTH MAX 49 MIN 44					TO DUMP:		00:00		05:23		0.0							
					CONNECTING:		00:00		00:00		0.0							
INDICATORS LAST CHECKED ON 04/17/2016					DUMPING:		00:00		00:08		0.0							
					DISCONNECTING:		00:00		00:00		0.0							
AVERAGE SPEED OF DREDGE DURING LOADING							FT/MIN		2		TO CUT:		00:00		06:47		0.0	
AVERAGE SPEED OF DREDGE DURING AGITATING							FT/MIN		0		TOTALS:		00:00		13:30		0.0	
GALLONS OF FUEL OIL CONSUMED							GAL		1,221		NON-EFFECTIVE WORKING TIME:							
GALLONS OF WATER CONSUMED							GAL		1,363		TAKING ON FUEL AND SUPPLIES:		00:00		02:25		0.0	
WORK PERFORMED											TO AND FROM WHARF OR ANCHORAGE:		00:00		02:14		0.0	
													LOSS DUE TO NATURAL ELEMENTS:		00:00		00:00	
DREDGING AND HAULING				AGITATING						LOSS DUE TO TRAFFIC AND BRIDGES		00:00		00:41		0.0		
NO. OF LOADS	TOTAL CYS	DISPOSAL AREA		TOTAL CYS						MINOR OPERATING REPAIRS:		00:00		05:10		0.0		
3	5,270	Mobile 102 - SW		0						TRANSFERRING BETWEEN WORKS:		00:00		00:00		0.0		
										LAY TIME:		00:00		00:00		0.0		
										FIRE AND BOAT DRILLS:		00:00		00:00		0.0		
ATTENDANT PLANT											MISCELLANEOUS:		00:00		00:00		0.0	
													TOTALS:		00:00		10:30	
ITEM		NAME OR NUMBER			H.P.		HOURS		LOST TIME:									
40' Crewboat		Cape Anne			400		12:00				MAJOR REPAIRS AND ALTERATIONS:		00:00		00:00		0.0	
											CESSATION:		00:00		00:00		0.0	
											COLLISIONS:		00:00		00:00		0.0	
											TOTALS:		00:00		00:00		0.0	
											TOTAL TIME/MILES:		00:00		24:00		0.0	

QUALITY CONTROL REPORT-HOPPER DREDGE					PAGE NO. Page 206 of 494	
CONTRACT NO. W91278-16-D-0041 0001		CONTRACT TITLE IDIQ Rental Hopper Dredge in Mobile		CONTRACTOR Dutra Dredging Company		REPORT NO. 100
DREDGE		NAME AND TYPE M/V Columbia			DATE 11 May 2016 - Wednesday	
LOADS						
LOAD NUMBER	DREDGING AREA DISPOSAL AREA	START TIME STOP TIME (HH:MM)	PUMPING TURNING (MIN)	TO DUMP DUMPING TO CUT (MIN)	TOTAL TIME DREDGED AMOUNT AGITATED AMOUNT (MIN/CYS)	
1	Sta 940+00 to 1000+00 Mobile 102 - SW	00:00 00:25	25 0	179 4 28	236 2,635 0	
2	Sta 940+00 to 1000+00 Mobile 102 - SW	03:56 04:20	24 0	138 4 209	375 2,635 0	
3	Sta 940+00 to 1000+00 Mobile 102 - SW	20:41 21:04	23 0	6 0 170	199 0 0	
QC NARRATIVE(S) GENERAL COMMENTS 810 Minutes @ 100% 41 Minutes @ 70% - Traffic 279 Minutes @ 0% - Fuel, Water 310 Minutes @ 0% - Repairs						

QUALITY CONTROL REPORT-HOPPER DREDGE										PAGE NO. Page 207 of 494					
CONTRACT NO. W91278-16-D-0041 0001		CONTRACT TITLE IDIQ Rental Hopper Dredge in Mobile					CONTRACTOR Dutra Dredging Company			REPORT NO. 101					
CHARACTER OF REPORT		<input checked="" type="checkbox"/> MAINTENANCE <input type="checkbox"/> NEW WORK							DATE 12 May 2016 - Thursday						
DREDGE (M/V Columbia)		HOPPER CAP: 4,387 CY		AVG VOL OF BIN WATER: 4,387 CY			AVG UNFILLED CAP: 4,387 CY								
		NO. OF CREW MEMBERS	DREDGE 13	OTHER PLANT 5		WORK SCHEDULE		SHIFTS PER DAY 2		DAYS PER WEEK 7					
LOCATION OF WORK		LOCATION CHANNEL Mobile Harbor		REACH DREDGED; STA TO STA Sta 940+00 to 1000+00 and Sta 1000+00 to 1060+00			DISPOSAL AREA USE Mobile 102 -SW		QTY DEPOSITED GROSS(CY) 10,540		CUMULATIVE AND QTY DEPOSIT FOR DA(CY) 909,075				
		AVG LENGTH OF CUT 6,000 FT			AVG WIDTH OF CUT 400 FT			AVG DIST TO DUMP 24 NM							
CHARACTER OF MATERIAL		DENSITY OF MATERIALS						GMS/LITER 1.045							
		DENSITY OF WATER				1.006		GMS/LITER@ 70 °F							
RIVER/TIDE STAGE		MIN 1	TIME 00:00	MAX 0	TIME 00:00	GAGE LOCATION Fowl River									
		MIN 1	TIME 00:00	MAX 0	TIME 00:00	GAGE DATUM MLLW									
WEATHER CONDITION		WEATHER Weather Caused No Delay			TEMP (min / max) 69 °F / 82 °F		VISIBILITY 14		WIND 12						
DRAFT					DISTRIBUTION OF TIME AND MILES RUN										
FORWARD		LIGHT		LOADED				AGITATING (MIN)		DREDGE & HAUL (MIN)		MILES RUN (NAUT MI)			
		8		15		EFFECTIVE WORKING TIME:									
AFT		10		16		PUMPING:		00:00		01:52		0.0			
						TURNING:		00:00		00:00		0.0			
DRAG DEPTH MAX 49 MIN 44					TO DUMP:		00:00		11:02		0.0				
					CONNECTING:		00:00		00:00		0.0				
INDICATORS LAST CHECKED ON 04/17/2016					DUMPING:		00:00		00:16		0.0				
					DISCONNECTING:		00:00		00:00		0.0				
AVERAGE SPEED OF DREDGE DURING LOADING						FT/MIN 2		TO CUT:		00:00		10:12		0.0	
AVERAGE SPEED OF DREDGE DURING AGITATING						FT/MIN 0		TOTALS:		00:00		23:22		0.0	
GALLONS OF FUEL OIL CONSUMED						GAL 2,790		NON-EFFECTIVE WORKING TIME:							
GALLONS OF WATER CONSUMED						GAL 561		TAKING ON FUEL AND SUPPLIES:		00:00		00:00		0.0	
WORK PERFORMED					TO AND FROM WHARF OR ANCHORAGE:		00:00		00:00		0.0				
					LOSS DUE TO NATURAL ELEMENTS:		00:00		00:00		0.0				
DREDGING AND HAULING				AGITATING		LOSS DUE TO TRAFFIC AND BRIDGES		00:00		00:00		0.0			
NO. OF LOADS	TOTAL CYS	DISPOSAL AREA		TOTAL CYS		MINOR OPERATING REPAIRS:		00:00		00:00		0.0			
5	10,540	Mobile 102 - SW		0		TRANSFERRING BETWEEN WORKS:		00:00		00:00		0.0			
						LAY TIME:		00:00		00:00		0.0			
						FIRE AND BOAT DRILLS:		00:00		00:00		0.0			
ATTENDANT PLANT					MISCELLANEOUS:		00:00		00:38		0.0				
					TOTALS:		00:00		00:38		0.0				
ITEM		NAME OR NUMBER		H.P.	HOURS	LOST TIME:									
40' Crewboat		Cape Anne		400	12:00	MAJOR REPAIRS AND ALTERATIONS:		00:00		00:00		0.0			
						CESSATION:		00:00		00:00		0.0			
						COLLISIONS:		00:00		00:00		0.0			
						TOTALS:		00:00		00:00		0.0			
						TOTAL TIME/MILES:		00:00		24:00		0.0			

QUALITY CONTROL REPORT-HOPPER DREDGE					PAGE NO. Page 208 of 494	
CONTRACT NO. W91278-16-D-0041 0001		CONTRACT TITLE IDIQ Rental Hopper Dredge in Mobile		CONTRACTOR Dutra Dredging Company		REPORT NO. 101
DREDGE		NAME AND TYPE M/V Columbia			DATE 12 May 2016 - Thursday	
LOADS						
LOAD NUMBER	DREDGING AREA DISPOSAL AREA	START TIME STOP TIME (HH:MM)	PUMPING TURNING (MIN)	TO DUMP DUMPING TO CUT (MIN)	TOTAL TIME DREDGED AMOUNT AGITATED AMOUNT (MIN/CYS)	
1	Sta 940+00 to 1000+00 Mobile 102 - SW	00:00 00:01	1 0	137 4 0	142 2,635 0	
2	Sta 940+00 to 1000+00 Mobile 102 - SW	02:22 02:50	28 0	156 4 153	341 2,635 0	
3	Sta 940+00 to 1000+00 Mobile 102 - SW	08:03 08:33	30 0	144 4 161	339 2,635 0	
4	Sta 1000+00 to 1060+00 Mobile 102 - SW	14:20 14:47	27 0	149 4 137	317 2,635 0	
5	Sta 1000+00 to 1060+00 Mobile 102 - SW	19:37 20:03	26 0	76 0 161	263 0 0	
QC NARRATIVE(S) GENERAL COMMENTS 1402 Minutes @ 100% 38 Minutes @ 0% - Loss Prime						

QUALITY CONTROL REPORT-HOPPER DREDGE										PAGE NO. Page 209 of 494					
CONTRACT NO. W91278-16-D-0041 0001		CONTRACT TITLE IDIQ Rental Hopper Dredge in Mobile					CONTRACTOR Dutra Dredging Company			REPORT NO. 102					
CHARACTER OF REPORT		<input checked="" type="checkbox"/> MAINTENANCE <input type="checkbox"/> NEW WORK							DATE 13 May 2016 - Friday						
DREDGE (M/V Columbia)		HOPPER CAP: 4,387 CY		AVG VOL OF BIN WATER: 4,387 CY		AVG UNFILLED CAP: 4,387 CY									
		NO. OF CREW MEMBERS	DREDGE 13	OTHER PLANT 5	WORK SCHEDULE	SHIFTS PER DAY 2	DAYS PER WEEK 7								
LOCATION OF WORK		LOCATION CHANNEL Mobile Harbor		REACH DREDGED; STA TO STA Sta 1000+00 to 1060+00		DISPOSAL AREA USE Mobile 102 -SW		QTY DEPOSITED GROSS(CY) 13,175		CUMULATIVE AND QTY DEPOSIT FOR DA(CY) 922,250					
		AVG LENGTH OF CUT 6,000 FT		AVG WIDTH OF CUT 400 FT		AVG DIST TO DUMP 24 NM									
CHARACTER OF MATERIAL		DENSITY OF MATERIALS						GMS/LITER 1.045							
		DENSITY OF WATER				1.006		GMS/LITER@ 70 °F							
RIVER/TIDE STAGE		MIN 1	TIME 00:00	MAX 0	TIME 00:00	GAGE LOCATION Fowl River									
		MIN 1	TIME 00:00	MAX 0	TIME 00:00	GAGE DATUM MLLW									
WEATHER CONDITION		WEATHER Weather Caused No Delay			TEMP (min / max) 69 °F / 87 °F		VISIBILITY 14		WIND 8						
DRAFT					DISTRIBUTION OF TIME AND MILES RUN										
FORWARD		LIGHT		LOADED				AGITATING (MIN)		DREDGE & HAUL (MIN)		MILES RUN (NAUT MI)			
		8		15		EFFECTIVE WORKING TIME:									
AFT		10		16		PUMPING:		00:00		01:52		0.0			
						TURNING:		00:00		00:00		0.0			
						TO DUMP:		00:00		11:34		0.0			
						CONNECTING:		00:00		00:00		0.0			
						DUMPING:		00:00		00:20		0.0			
						DISCONNECTING:		00:00		00:00		0.0			
						TO CUT:		00:00		09:44		0.0			
						TOTALS:		00:00		23:30		0.0			
DRAG DEPTH MAX 49 MIN 44															
INDICATORS LAST CHECKED ON 04/17/2016															
AVERAGE SPEED OF DREDGE DURING LOADING				FT/MIN		2		NON-EFFECTIVE WORKING TIME:							
AVERAGE SPEED OF DREDGE DURING AGITATING				FT/MIN		0		TAKING ON FUEL AND SUPPLIES:		00:00		00:00		0.0	
GALLONS OF FUEL OIL CONSUMED				GAL		2,575		TO AND FROM WHARF OR ANCHORAGE:		00:00		00:00		0.0	
GALLONS OF WATER CONSUMED				GAL		561		LOSS DUE TO NATURAL ELEMENTS:		00:00		00:00		0.0	
WORK PERFORMED															
DREDGING AND HAULING				AGITATING											
NO. OF LOADS		TOTAL CYS		DISPOSAL AREA		TOTAL CYS		LOSS DUE TO TRAFFIC AND BRIDGES		00:00		00:00		0.0	
6		13,175		Mobile 102 - SW		0		MINOR OPERATING REPAIRS:		00:00		00:00		0.0	
								TRANSFERRING BETWEEN WORKS:		00:00		00:00		0.0	
								LAY TIME:		00:00		00:00		0.0	
								FIRE AND BOAT DRILLS:		00:00		00:00		0.0	
								MISCELLANEOUS:		00:00		00:30		0.0	
								TOTALS:		00:00		00:30		0.0	
ATTENDANT PLANT															
ITEM		NAME OR NUMBER		H.P.		HOURS		LOST TIME:							
40' Crewboat		Cape Anne		400		12:00		MAJOR REPAIRS AND ALTERATIONS:		00:00		00:00		0.0	
								CESSATION:		00:00		00:00		0.0	
								COLLISIONS:		00:00		00:00		0.0	
								TOTALS:		00:00		00:00		0.0	
								TOTAL TIME/MILES:		00:00		24:00		0.0	

QUALITY CONTROL REPORT-HOPPER DREDGE			PAGE NO. Page 210 of 494
CONTRACT NO. W91278-16-D-0041 0001	CONTRACT TITLE IDIQ Rental Hopper Dredge in Mobile	CONTRACTOR Dutra Dredging Company	REPORT NO. 102
DREDGE	NAME AND TYPE M/V Columbia	DATE 13 May 2016 - Friday	

LOADS					
LOAD NUMBER	DREDGING AREA DISPOSAL AREA	START TIME STOP TIME (HH:MM)	PUMPING TURNING (MIN)	TO DUMP DUMPING TO CUT (MIN)	TOTAL TIME DREDGED AMOUNT AGITATED AMOUNT (MIN/CYS)
1	Sta 1000+00 to 1060+00 Mobile 102 - SW	00:00 00:01	1 0	81 4 0	86 2,635 0
2	Sta 1000+00 to 1060+00 Mobile 102 - SW	01:26 01:53	27 0	149 4 148	328 2,635 0
3	Sta 1000+00 to 1060+00 Mobile 102 - SW	06:54 07:21	27 0	161 4 148	340 2,635 0
4	Sta 1000+00 to 1060+00 Mobile 102 - SW	12:34 12:59	25 0	152 4 139	320 2,635 0
5	Sta 1000+00 to 1060+00 Mobile 102 - SW	17:54 18:25	31 0	151 4 130	316 2,635 0
6	Sta 1000+00 to 1060+00 Mobile 102 - SW	23:40 23:41	1 0	0 0 19	20 0 0

QC NARRATIVE(S)

GENERAL COMMENTS

1410 Minutes @ 100%
30 Minutes @ 0% - Draghead Depth Chain Test

QUALITY CONTROL REPORT-HOPPER DREDGE										PAGE NO. Page 211 of 494							
CONTRACT NO. W91278-16-D-0041 0001		CONTRACT TITLE IDIQ Rental Hopper Dredge in Mobile					CONTRACTOR Dutra Dredging Company			REPORT NO. 103							
CHARACTER OF REPORT		<input checked="" type="checkbox"/> MAINTENANCE <input type="checkbox"/> NEW WORK							DATE 14 May 2016 - Saturday								
DREDGE (M/V Columbia)		HOPPER CAP: 4,387 CY		AVG VOL OF BIN WATER: 4,387 CY		AVG UNFILLED CAP: 4,387 CY											
		NO. OF CREW MEMBERS	DREDGE 13	OTHER PLANT 5	WORK SCHEDULE	SHIFTS PER DAY 2	DAYS PER WEEK 7										
LOCATION OF WORK		LOCATION CHANNEL Mobile Harbor		REACH DREDGED; STA TO STA Sta 1000+00 to 1060+00		DISPOSAL AREA USE Mobile 102 -SW		QTY DEPOSITED GROSS(CY) 10,540		CUMULATIVE AND QTY DEPOSIT FOR DA(CY) 932,790							
		AVG LENGTH OF CUT 6,000 FT		AVG WIDTH OF CUT 400 FT		AVG DIST TO DUMP 24 NM											
CHARACTER OF MATERIAL		DENSITY OF MATERIALS						GMS/LITER 1.045									
		DENSITY OF WATER			1.006			GMS/LITER@ 70 °F									
RIVER/TIDE STAGE		MIN 1	TIME 00:00	MAX 0	TIME 00:00	GAGE LOCATION Fowl River											
		MIN 1	TIME 00:00	MAX 0	TIME 00:00	GAGE DATUM MLLW											
WEATHER CONDITION		WEATHER			TEMP (min / max)		VISIBILITY		WIND								
		Weather Caused No Delay			62 °F / 87 °F		14		6								
DRAFT					DISTRIBUTION OF TIME AND MILES RUN												
FORWARD		LIGHT		LOADED				AGITATING (MIN)		DREDGE & HAUL (MIN)		MILES RUN (NAUT MI)					
		8		15		EFFECTIVE WORKING TIME:											
AFT		10		16		PUMPING:		00:00		01:55		0.0					
						TURNING:		00:00		00:05		0.0					
DRAG DEPTH MAX 49 MIN 44					TO DUMP:		00:00		09:38		0.0						
					CONNECTING:		00:00		00:00		0.0						
INDICATORS LAST CHECKED ON 04/17/2016					DUMPING:		00:00		00:16		0.0						
					DISCONNECTING:		00:00		00:00		0.0						
AVERAGE SPEED OF DREDGE DURING LOADING						FT/MIN		2		TO CUT:		00:00		11:46		0.0	
AVERAGE SPEED OF DREDGE DURING AGITATING						FT/MIN		0		TOTALS:		00:00		23:40		0.0	
GALLONS OF FUEL OIL CONSUMED						GAL		2		NON-EFFECTIVE WORKING TIME:							
GALLONS OF WATER CONSUMED						GAL		748		TAKING ON FUEL AND SUPPLIES:		00:00		00:00		0.0	
WORK PERFORMED					LOSS DUE TO NATURAL ELEMENTS:		00:00		00:00		0.0						
DREDGING AND HAULING				AGITATING		LOSS DUE TO TRAFFIC AND BRIDGES		00:00		00:20		0.0					
NO. OF LOADS		TOTAL CYS		DISPOSAL AREA		TOTAL CYS		MINOR OPERATING REPAIRS:		00:00		00:00		0.0			
5		10,540		Mobile 102-SW		0		TRANSFERRING BETWEEN WORKS:		00:00		00:00		0.0			
								LAY TIME:		00:00		00:00		0.0			
								FIRE AND BOAT DRILLS:		00:00		00:00		0.0			
								MISCELLANEOUS:		00:00		00:00		0.0			
								TOTALS:		00:00		00:20		0.0			
ATTENDANT PLANT					LOST TIME:												
ITEM		NAME OR NUMBER			H.P.		HOURS		MAJOR REPAIRS AND ALTERATIONS:		00:00		00:00		0.0		
40' Crewboat		Cape Anne			400		12:00		CESSATION:		00:00		00:00		0.0		
									COLLISIONS:		00:00		00:00		0.0		
									TOTALS:		00:00		00:00		0.0		
									TOTAL TIME/MILES:		00:00		24:00		0.0		

QUALITY CONTROL REPORT-HOPPER DREDGE					PAGE NO. <div>Page 212 of 494</div>	
CONTRACT NO. W91278-16-D-0041 0001		CONTRACT TITLE IDIQ Rental Hopper Dredge in Mobile		CONTRACTOR Dutra Dredging Company		REPORT NO. 103
DREDGE		NAME AND TYPE M/V Columbia			DATE 14 May 2016 - Saturday	
LOADS						
LOAD NUMBER	DREDGING AREA DISPOSAL AREA	START TIME STOP TIME (HH:MM)	PUMPING TURNING (MIN)	TO DUMP DUMPING TO CUT (MIN)	TOTAL TIME DREDGED AMOUNT AGITATED AMOUNT (MIN/CYS)	
1	Sta 1000+00 to 1060+00 Mobile 102-SW	00:00 00:28	28 0	148 4 123	303 2,635 0	
2	Sta 1000+00 to 1060+00 Mobile 102-SW	05:03 05:34	31 0	138 4 149	322 2,635 0	
3	Sta 1000+00 to 1060+00 Mobile 102-SW	10:25 10:54	24 5	141 4 164	338 2,635 0	
4	Sta 1000+00 to 1060+00 Mobile 102-SW	16:23 16:53	30 0	151 4 136	321 2,635 0	
5	Sta 1000+00 to 1060+00 Mobile 102-SW	21:44 21:46	2 0	0 0 134	136 0 0	
QC NARRATIVE(S) GENERAL COMMENTS 1420 Minutes @ 100% 20 Minutes @ 70% - Traffic						

QUALITY CONTROL REPORT-HOPPER DREDGE										PAGE NO. Page 213 of 494							
CONTRACT NO. W91278-16-D-0041 0001		CONTRACT TITLE IDIQ Rental Hopper Dredge in Mobile					CONTRACTOR Dutra Dredging Company			REPORT NO. 104							
CHARACTER OF REPORT		<input checked="" type="checkbox"/> MAINTENANCE <input type="checkbox"/> NEW WORK							DATE 15 May 2016 - Sunday								
DREDGE (M/V Columbia)		HOPPER CAP: 4,387 CY		AVG VOL OF BIN WATER: 4,387 CY		AVG UNFILLED CAP: 4,387 CY											
		NO. OF CREW MEMBERS	DREDGE 13	OTHER PLANT 5	WORK SCHEDULE	SHIFTS PER DAY 2	DAYS PER WEEK 7										
LOCATION OF WORK		LOCATION CHANNEL Mobile Harbor		REACH DREDGED; STA TO STA Sta 1000+00 to 1060+00		DISPOSAL AREA USE Mobile 102 -SW		QTY DEPOSITED GROSS(CY) 10,540		CUMULATIVE AND QTY DEPOSIT FOR DA(CY) 943,330							
		AVG LENGTH OF CUT 6,000 FT		AVG WIDTH OF CUT 400 FT		AVG DIST TO DUMP 24 NM											
CHARACTER OF MATERIAL		DENSITY OF MATERIALS						GMS/LITER 1.045									
		DENSITY OF WATER			1.006			GMS/LITER@ 70 °F									
RIVER/TIDE STAGE		MIN 1	TIME 00:00	MAX 0	TIME 00:00	GAGE LOCATION Fowl River											
		MIN 1	TIME 00:00	MAX 0	TIME 00:00	GAGE DATUM MLLW											
WEATHER CONDITION		WEATHER Weather Caused No Delay			TEMP (min / max) 64 °F / 81 °F		VISIBILITY 14		WIND 10								
DRAFT					DISTRIBUTION OF TIME AND MILES RUN												
FORWARD		LIGHT		LOADED				AGITATING (MIN)		DREDGE & HAUL (MIN)		MILES RUN (NAUT MI)					
		8		15		EFFECTIVE WORKING TIME:											
AFT		10		16		PUMPING:		00:00		02:15		0.0					
						TURNING:		00:00		00:00		0.0					
DRAG DEPTH MAX 49 MIN 44					TO DUMP:		00:00		12:10		0.0						
					CONNECTING:		00:00		00:00		0.0						
INDICATORS LAST CHECKED ON 04/17/2016					DUMPING:		00:00		00:16		0.0						
					DISCONNECTING:		00:00		00:00		0.0						
AVERAGE SPEED OF DREDGE DURING LOADING						FT/MIN		2		TO CUT:		00:00		09:19		0.0	
AVERAGE SPEED OF DREDGE DURING AGITATING						FT/MIN		0		TOTALS:		00:00		24:00		0.0	
GALLONS OF FUEL OIL CONSUMED						GAL		2,467		NON-EFFECTIVE WORKING TIME:							
GALLONS OF WATER CONSUMED						GAL		561		TAKING ON FUEL AND SUPPLIES:		00:00		00:00		0.0	
WORK PERFORMED					TO AND FROM WHARF OR ANCHORAGE:		00:00		00:00		0.0						
					LOSS DUE TO NATURAL ELEMENTS:		00:00		00:00		0.0						
DREDGING AND HAULING				AGITATING		LOSS DUE TO TRAFFIC AND BRIDGES		00:00		00:00		0.0					
NO. OF LOADS		TOTAL CYS		DISPOSAL AREA		TOTAL CYS		MINOR OPERATING REPAIRS:		00:00		00:00		0.0			
5		10,540		Mobile 102 - SW		0		TRANSFERRING BETWEEN WORKS:		00:00		00:00		0.0			
								LAY TIME:		00:00		00:00		0.0			
								FIRE AND BOAT DRILLS:		00:00		00:00		0.0			
ATTENDANT PLANT					MISCELLANEOUS:		00:00		00:00		0.0						
					TOTALS:		00:00		00:00		0.0						
ITEM		NAME OR NUMBER			H.P.		HOURS		LOST TIME:								
40' Crewboat		Cape Anne			400		12:00		MAJOR REPAIRS AND ALTERATIONS:		00:00		00:00		0.0		
									CESSATION:		00:00		00:00		0.0		
									COLLISIONS:		00:00		00:00		0.0		
									TOTALS:		00:00		00:00		0.0		
									TOTAL TIME/MILES:		00:00		24:00		0.0		

QUALITY CONTROL REPORT-HOPPER DREDGE					PAGE NO. Page 214 of 494	
CONTRACT NO. W91278-16-D-0041 0001		CONTRACT TITLE IDIQ Rental Hopper Dredge in Mobile		CONTRACTOR Dutra Dredging Company		REPORT NO. 104
DREDGE		NAME AND TYPE M/V Columbia			DATE 15 May 2016 - Sunday	
LOADS						
LOAD NUMBER	DREDGING AREA DISPOSAL AREA	START TIME STOP TIME (HH:MM)	PUMPING TURNING (MIN)	TO DUMP DUMPING TO CUT (MIN)	TOTAL TIME DREDGED AMOUNT AGITATED AMOUNT (MIN/CYS)	
1	Sta 1000+00 to 1060+00 Mobile 102 - SW	00:00 00:23	23 0	149 4 0	176 2,635 0	
2	Sta 1000+00 to 1060+00 Mobile 102 - SW	02:56 03:23	27 0	146 4 138	315 2,635 0	
3	Sta 1000+00 to 1060+00 Mobile 102 - SW	08:11 08:39	28 0	159 4 144	335 2,635 0	
4	Sta 1000+00 to 1060+00 Mobile 102 - SW	13:46 14:14	28 0	143 4 136	311 2,635 0	
5	Sta 1000+00 to 1060+00 Mobile 102 - SW	18:57 19:26	29 0	133 0 141	303 0 0	
QC NARRATIVE(S) GENERAL COMMENTS 1440 Minutes @ 100%						

QUALITY CONTROL REPORT-HOPPER DREDGE										PAGE NO. Page 215 of 494	
CONTRACT NO. W91278-16-D-0041 0001		CONTRACT TITLE IDIQ Rental Hopper Dredge in Mobile					CONTRACTOR Dutra Dredging Company			REPORT NO. 105	
CHARACTER OF REPORT		<input checked="" type="checkbox"/> MAINTENANCE <input type="checkbox"/> NEW WORK							DATE 16 May 2016 - Monday		
DREDGE (M/V Columbia)		HOPPER CAP: 4,387 CY		AVG VOL OF BIN WATER: 4,387 CY			AVG UNFILLED CAP: 4,387 CY				
		NO. OF CREW MEMBERS	DREDGE 13	OTHER PLANT 5	WORK SCHEDULE	SHIFTS PER DAY 2	DAYS PER WEEK 7				
LOCATION OF WORK		LOCATION CHANNEL Mobile Harbor	REACH DREDGED; STA TO STA Sta 1000+00 to 1060+00			DISPOSAL AREA USE Mobile 102 -SW		QTY DEPOSITED GROSS(CY) 13,175	CUMULATIVE AND QTY DEPOSIT FOR DA(CY) 956,505		
		AVG LENGTH OF CUT 6,000 FT			AVG WIDTH OF CUT 400 FT		AVG DIST TO DUMP 24 NM				
CHARACTER OF MATERIAL		DENSITY OF MATERIALS						GMS/LITER 1.045			
		DENSITY OF WATER			1.006			GMS/LITER@ 70 °F			
RIVER/TIDE STAGE		MIN 1	TIME 00:00	MAX 0	TIME 00:00	GAGE LOCATION Fowl River					
		MIN 1	TIME 00:00	MAX 0	TIME 00:00	GAGE DATUM MLLW					
WEATHER CONDITION		WEATHER Weather Caused No Delay			TEMP (min / max) 65 °F / 81 °F		VISIBILITY 14		WIND 2		
DRAFT					DISTRIBUTION OF TIME AND MILES RUN						
FORWARD		LIGHT		LOADED				AGITATING (MIN)	DREDGE & HAUL (MIN)	MILES RUN (NAUT MI)	
		8		15		EFFECTIVE WORKING TIME:					
AFT		10		16		PUMPING: 00:00 01:50 0.0					
		TURNING: 00:00 00:00 0.0									
DRAG DEPTH MAX 49 MIN 44					TO DUMP: 00:00 10:34 0.0						
					CONNECTING: 00:00 00:00 0.0						
INDICATORS LAST CHECKED ON 04/17/2016					DUMPING: 00:00 00:20 0.0						
					DISCONNECTING: 00:00 00:00 0.0						
AVERAGE SPEED OF DREDGE DURING LOADING					FT/MIN 2		TO CUT: 00:00 10:32 0.0				
AVERAGE SPEED OF DREDGE DURING AGITATING					FT/MIN 0		TOTALS: 00:00 23:16 0.0				
GALLONS OF FUEL OIL CONSUMED					GAL 2,618		NON-EFFECTIVE WORKING TIME:				
GALLONS OF WATER CONSUMED					GAL 748		TAKING ON FUEL AND SUPPLIES: 00:00 00:00 0.0				
WORK PERFORMED					TO AND FROM WHARF OR ANCHORAGE: 00:00 00:00 0.0						
DREDGING AND HAULING				AGITATING		LOSS DUE TO NATURAL ELEMENTS: 00:00 00:00 0.0					
NO. OF LOADS	TOTAL CYS	DISPOSAL AREA		TOTAL CYS		LOSS DUE TO TRAFFIC AND BRIDGES 00:00 00:00 0.0					
6	13,175	Mobile 102-SW		0		MINOR OPERATING REPAIRS: 00:00 00:44 0.0					
						TRANSFERRING BETWEEN WORKS: 00:00 00:00 0.0					
						LAY TIME: 00:00 00:00 0.0					
						FIRE AND BOAT DRILLS: 00:00 00:00 0.0					
ATTENDANT PLANT					MISCELLANEOUS: 00:00 00:00 0.0						
ITEM	NAME OR NUMBER		H.P.	HOURS	TOTALS: 00:00 00:44 0.0						
40' Crewboat	Cape Anne		400	12:00	LOST TIME:						
					MAJOR REPAIRS AND ALTERATIONS: 00:00 00:00 0.0						
					CESSATION: 00:00 00:00 0.0						
					COLLISIONS: 00:00 00:00 0.0						
					TOTALS: 00:00 00:00 0.0						
					TOTAL TIME/MILES: 00:00 24:00 0.0						

QUALITY CONTROL REPORT-HOPPER DREDGE			PAGE NO. Page 216 of 494
CONTRACT NO. W91278-16-D-0041 0001	CONTRACT TITLE IDIQ Rental Hopper Dredge in Mobile	CONTRACTOR Dutra Dredging Company	REPORT NO. 105
DREDGE	NAME AND TYPE M/V Columbia		DATE 16 May 2016 - Monday

LOADS					
LOAD NUMBER	DREDGING AREA DISPOSAL AREA	START TIME STOP TIME (HH:MM)	PUMPING TURNING (MIN)	TO DUMP DUMPING TO CUT (MIN)	TOTAL TIME DREDGED AMOUNT AGITATED AMOUNT (MIN/CYS)
1	Sta 1000+00 to 1060+00 Mobile 102-SW	00:00 00:01	1 0	17 4 0	22 2,635 0
2	Sta 1000+00 to 1060+00 Mobile 102-SW	00:22 00:49	27 0	150 4 135	316 2,635 0
3	Sta 1000+00 to 1060+00 Mobile 102-SW	05:38 06:07	29 0	167 4 135	335 2,635 0
4	Sta 1000+00 to 1060+00 Mobile 102-SW	11:13 11:40	27 0	147 4 145	323 2,635 0
5	Sta 1000+00 to 1060+00 Mobile 102-SW	16:36 17:01	25 0	153 4 154	336 2,635 0
6	Sta 1000+00 to 1060+00 Mobile 102-SW	22:56 22:57	1 0	0 0 63	64 0 0

QC NARRATIVE(S)

GENERAL COMMENTS

1396 Minutes @ 100%
44 Minutes @ 0% for Minor Repairs

QUALITY CONTROL REPORT-HOPPER DREDGE										PAGE NO. Page 217 of 494	
CONTRACT NO. W91278-16-D-0041 0001		CONTRACT TITLE IDIQ Rental Hopper Dredge in Mobile					CONTRACTOR Dutra Dredging Company			REPORT NO. 106	
CHARACTER OF REPORT		<input checked="" type="checkbox"/> MAINTENANCE <input type="checkbox"/> NEW WORK							DATE 17 May 2016 - Tuesday		
DREDGE (M/V Columbia)		HOPPER CAP: 4,387 CY		AVG VOL OF BIN WATER: 4,387 CY		AVG UNFILLED CAP: 4,387 CY					
		NO. OF CREW MEMBERS	DREDGE 13	OTHER PLANT 5	WORK SCHEDULE	SHIFTS PER DAY 2	DAYS PER WEEK 7				
LOCATION OF WORK		LOCATION CHANNEL Mobile Harbor	REACH DREDGED; STA TO STA Sta 1000+00 to 1060+00		DISPOSAL AREA USE Mobile 102 -SW		QTY DEPOSITED GROSS(CY) 7,905	CUMULATIVE AND QTY DEPOSIT FOR DA(CY) 964,410			
		AVG LENGTH OF CUT 6,000 FT		AVG WIDTH OF CUT 400 FT		AVG DIST TO DUMP 24 NM					
CHARACTER OF MATERIAL		DENSITY OF MATERIALS						GMS/LITER 1.045			
		DENSITY OF WATER			1.006			GMS/LITER@ 70 °F			
RIVER/TIDE STAGE		MIN 0	TIME 00:00	MAX 0	TIME 00:00	GAGE LOCATION Fowl River					
		MIN 1	TIME 00:00	MAX 0	TIME 00:00	GAGE DATUM MLLW					
WEATHER CONDITION		WEATHER Weather Caused No Delay		TEMP (min / max) 73 °F / 81 °F		VISIBILITY 8		WIND 9			
DRAFT					DISTRIBUTION OF TIME AND MILES RUN						
FORWARD	LIGHT		LOADED				AGITATING (MIN)	DREDGE & HAUL (MIN)	MILES RUN (NAUT MI)		
	8		15								
AFT					EFFECTIVE WORKING TIME:						
	10		16		PUMPING:		00:00	01:49	0.0		
DRAG DEPTH MAX 49 MIN 44					TURNING:		00:00	00:09	0.0		
					TO DUMP:		00:00	09:44	0.0		
INDICATORS LAST CHECKED ON 04/17/2016					CONNECTING:		00:00	00:00	0.0		
					DUMPING:		00:00	00:30	0.0		
AVERAGE SPEED OF DREDGE DURING LOADING					DISCONNECTING:		00:00	00:00	0.0		
AVERAGE SPEED OF DREDGE DURING AGITATING					TO CUT:		00:00	10:28	0.0		
GALLONS OF FUEL OIL CONSUMED					TOTALS:		00:00	22:40	0.0		
GALLONS OF WATER CONSUMED					NON-EFFECTIVE WORKING TIME:						
					TAKING ON FUEL AND SUPPLIES:		00:00	00:00	0.0		
					TO AND FROM WHARF OR ANCHORAGE:		00:00	00:00	0.0		
					LOSS DUE TO NATURAL ELEMENTS:		00:00	00:00	0.0		
					LOSS DUE TO TRAFFIC AND BRIDGES		00:00	00:40	0.0		
					MINOR OPERATING REPAIRS:		00:00	00:40	0.0		
					TRANSFERRING BETWEEN WORKS:		00:00	00:00	0.0		
					LAY TIME:		00:00	00:00	0.0		
					FIRE AND BOAT DRILLS:		00:00	00:00	0.0		
					MISCELLANEOUS:		00:00	00:00	0.0		
					TOTALS:		00:00	01:20	0.0		
					LOST TIME:						
					MAJOR REPAIRS AND ALTERATIONS:		00:00	00:00	0.0		
					CESSATION:		00:00	00:00	0.0		
					COLLISIONS:		00:00	00:00	0.0		
					TOTALS:		00:00	00:00	0.0		
					TOTAL TIME/MILES:		00:00	24:00	0.0		
WORK PERFORMED											
DREDGING AND HAULING				AGITATING							
NO. OF LOADS	TOTAL CYS	DISPOSAL AREA	TOTAL CYS								
5	7,905	Mobile 102-SW	0								
ATTENDANT PLANT											
ITEM	NAME OR NUMBER	H.P.	HOURS								
40' Crewboat	Cape Anne	400	12:00								

QUALITY CONTROL REPORT-HOPPER DREDGE					PAGE NO. <div>Page 218 of 494</div>	
CONTRACT NO. W91278-16-D-0041 0001		CONTRACT TITLE IDIQ Rental Hopper Dredge in Mobile		CONTRACTOR Dutra Dredging Company		REPORT NO. 106
DREDGE		NAME AND TYPE M/V Columbia			DATE 17 May 2016 - Tuesday	
LOADS						
LOAD NUMBER	DREDGING AREA DISPOSAL AREA	START TIME STOP TIME (HH:MM)	PUMPING TURNING (MIN)	TO DUMP DUMPING TO CUT (MIN)	TOTAL TIME DREDGED AMOUNT AGITATED AMOUNT (MIN/CYS)	
1	Sta 1000+00-Sta1060+00 Mobile 102-SW	00:00 00:24	24 0	150 4 73	251 2,635 0	
2	Sta 1000+00-Sta1060+00 Mobile 102-SW	04:31 05:10	30 9	138 18 134	329 2,635 0	
3	Sta 1000+00-Sta1060+00 Mobile 102-SW	10:00 10:22	22 0	133 4 152	311 2,635 0	
4	Sta 1000+00-Sta1060+00 Mobile 102-SW	16:11 16:43	32 0	163 4 141	340 0 0	
5	Sta 1000+00-Sta1060+00 Mobile 102-SW	21:51 21:52	1 0	0 0 128	129 0 0	
<div>QC NARRATIVE(S)</div> <div><div>GENERAL COMMENTS</div><div>1360 Minutes @ 100% 40 Minutes @ 0% for Minor Repairs 40 Mlnutes @ 70% for Traffic</div><div>On Load 365 no yardage was recorded to adjust total cumulative yardage.</div></div>						

QUALITY CONTROL REPORT-HOPPER DREDGE										PAGE NO. Page 219 of 494	
CONTRACT NO. W91278-16-D-0041 0001		CONTRACT TITLE IDIQ Rental Hopper Dredge in Mobile					CONTRACTOR Dutra Dredging Company			REPORT NO. 107	
CHARACTER OF REPORT		<input checked="" type="checkbox"/> MAINTENANCE <input type="checkbox"/> NEW WORK							DATE 18 May 2016 - Wednesday		
DREDGE (M/V Columbia)		HOPPER CAP: 4,387 CY		AVG VOL OF BIN WATER: 4,387 CY		AVG UNFILLED CAP: 4,387 CY					
		NO. OF CREW MEMBERS	DREDGE 13	OTHER PLANT 5	WORK SCHEDULE	SHIFTS PER DAY 2	DAYS PER WEEK 7				
LOCATION OF WORK		LOCATION CHANNEL Mobile Harbor	REACH DREDGED; STA TO STA Sta 1000+00 to 1060+00		DISPOSAL AREA USE Mobile 102 -SW		QTY DEPOSITED GROSS(CY) 10,540	CUMULATIVE AND QTY DEPOSIT FOR DA(CY) 974,950			
		AVG LENGTH OF CUT 6,000 FT		AVG WIDTH OF CUT 400 FT		AVG DIST TO DUMP 24 NM					
CHARACTER OF MATERIAL		DENSITY OF MATERIALS						GMS/LITER 1.045			
		DENSITY OF WATER			1.006			GMS/LITER@ 70 °F			
RIVER/TIDE STAGE		MIN 0	TIME 00:00	MAX 0	TIME 00:00	GAGE LOCATION Fowl River					
		MIN 1	TIME 00:00	MAX 0	TIME 00:00	GAGE DATUM MLLW					
WEATHER CONDITION		WEATHER Weather Caused No Delay		TEMP (min / max) 73 °F / 86 °F		VISIBILITY 10		WIND 6			
DRAFT					DISTRIBUTION OF TIME AND MILES RUN						
FORWARD		LIGHT		LOADED				AGITATING (MIN)	DREDGE & HAUL (MIN)	MILES RUN (NAUT MI)	
		8		15				EFFECTIVE WORKING TIME:			
AFT											
		10		16							
DRAG DEPTH MAX 49 MIN 44					PUMPING:		00:00	02:20	0.0		
INDICATORS LAST CHECKED ON 04/17/2016					TURNING:		00:00	00:29	0.0		
					TO DUMP:		00:00	10:47	0.0		
AVERAGE SPEED OF DREDGE DURING LOADING					CONNECTING:		00:00	00:00	0.0		
					DUMPING:		00:00	00:16	0.0		
AVERAGE SPEED OF DREDGE DURING AGITATING					DISCONNECTING:		00:00	00:00	0.0		
					TO CUT:		00:00	10:08	0.0		
GALLONS OF FUEL OIL CONSUMED					TOTALS:		00:00	24:00	0.0		
					NON-EFFECTIVE WORKING TIME:						
GALLONS OF WATER CONSUMED					TAKING ON FUEL AND SUPPLIES:		00:00	00:00	0.0		
					TO AND FROM WHARF OR ANCHORAGE:		00:00	00:00	0.0		
WORK PERFORMED					LOSS DUE TO NATURAL ELEMENTS:		00:00	00:00	0.0		
DREDGING AND HAULING				AGITATING		LOSS DUE TO TRAFFIC AND BRIDGES		00:00	00:00	0.0	
NO. OF LOADS	TOTAL CYS	DISPOSAL AREA		TOTAL CYS		MINOR OPERATING REPAIRS:		00:00	00:00	0.0	
5	10,540	Mobile 102-SW		0		TRANSFERRING BETWEEN WORKS:		00:00	00:00	0.0	
						LAY TIME:		00:00	00:00	0.0	
						FIRE AND BOAT DRILLS:		00:00	00:00	0.0	
ATTENDANT PLANT					MISCELLANEOUS:		00:00	00:00	0.0		
ITEM	NAME OR NUMBER		H.P.	HOURS	TOTALS:		00:00	00:00	0.0		
40' Crewboat	Cape Anne		400	12:00	LOST TIME:						
					MAJOR REPAIRS AND ALTERATIONS:		00:00	00:00	0.0		
					CESSATION:		00:00	00:00	0.0		
					COLLISIONS:		00:00	00:00	0.0		
					TOTALS:		00:00	00:00	0.0		
					TOTAL TIME/MILES:		00:00	24:00	0.0		

QUALITY CONTROL REPORT-HOPPER DREDGE					PAGE NO. Page 220 of 494	
CONTRACT NO. W91278-16-D-0041 0001		CONTRACT TITLE IDIQ Rental Hopper Dredge in Mobile		CONTRACTOR Dutra Dredging Company		REPORT NO. 107
DREDGE		NAME AND TYPE M/V Columbia			DATE 18 May 2016 - Wednesday	
LOADS						
LOAD NUMBER	DREDGING AREA DISPOSAL AREA	START TIME STOP TIME (HH:MM)	PUMPING TURNING (MIN)	TO DUMP DUMPING TO CUT (MIN)	TOTAL TIME DREDGED AMOUNT AGITATED AMOUNT (MIN/CYS)	
1	Sta 1000+00-Sta 1060+00 Mobile 102-SW	00:00 00:29	29 0	150 4 31	214 2,635 0	
2	Sta 1000+00-Sta 1060+00 Mobile 102-SW	03:34 04:10	30 6	142 4 140	322 2,635 0	
3	Sta 1000+00-Sta 1060+00 Mobile 102-SW	08:56 09:27	24 7	136 4 155	326 2,635 0	
4	Sta 1000+00-Sta 1060+00 Mobile 102-SW	14:22 14:57	27 8	127 4 143	309 2,635 0	
5	Sta 1000+00-Sta 1060+00 Mobile 102-SW	19:31 20:09	30 8	92 0 139	269 0 0	
QC NARRATIVE(S) GENERAL COMMENTS 1440 Minutes @ 100%						

QUALITY CONTROL REPORT-HOPPER DREDGE										PAGE NO. Page 221 of 494								
CONTRACT NO. W91278-16-D-0041 0001		CONTRACT TITLE IDIQ Rental Hopper Dredge in Mobile					CONTRACTOR Dutra Dredging Company			REPORT NO. 108								
CHARACTER OF REPORT		<input checked="" type="checkbox"/> MAINTENANCE <input type="checkbox"/> NEW WORK							DATE 19 May 2016 - Thursday									
DREDGE (M/V Columbia)		HOPPER CAP: 4,387 CY		AVG VOL OF BIN WATER: 4,387 CY		AVG UNFILLED CAP: 4,387 CY												
		NO. OF CREW MEMBERS	DREDGE 13	OTHER PLANT 5	WORK SCHEDULE	SHIFTS PER DAY 2	DAYS PER WEEK 7											
LOCATION OF WORK		LOCATION CHANNEL Mobile Harbor		REACH DREDGED; STA TO STA Sta 1000+00 to 1060+00		DISPOSAL AREA USE Mobile 102 -SW		QTY DEPOSITED GROSS(CY) 13,175		CUMULATIVE AND QTY DEPOSIT FOR DA(CY) 988,125								
		AVG LENGTH OF CUT 6,000 FT		AVG WIDTH OF CUT 400 FT		AVG DIST TO DUMP 24 NM												
CHARACTER OF MATERIAL		DENSITY OF MATERIALS						GMS/LITER 1.045										
		DENSITY OF WATER			1.006			GMS/LITER@ 70 °F										
RIVER/TIDE STAGE		MIN 0	TIME 00:00	MAX 0	TIME 00:00	GAGE LOCATION Fowl River												
		MIN 1	TIME 00:00	MAX 0	TIME 00:00	GAGE DATUM MLLW												
WEATHER CONDITION		WEATHER			TEMP (min / max)		VISIBILITY		WIND									
		Weather Caused No Delay			67 °F / 85 °F		10		2									
DRAFT					DISTRIBUTION OF TIME AND MILES RUN													
FORWARD		LIGHT		LOADED				AGITATING (MIN)		DREDGE & HAUL (MIN)		MILES RUN (NAUT MI)						
		8		15		EFFECTIVE WORKING TIME:												
AFT		10		16		PUMPING:		00:00		02:00		0.0						
						TURNING:		00:00		00:21		0.0						
DRAG DEPTH MAX 49 MIN 44					TO DUMP:		00:00		09:58		0.0							
					CONNECTING:		00:00		00:00		0.0							
INDICATORS LAST CHECKED ON 04/17/2016					DUMPING:		00:00		00:20		0.0							
					DISCONNECTING:		00:00		00:00		0.0							
AVERAGE SPEED OF DREDGE DURING LOADING							FT/MIN		2		TO CUT:		00:00		11:21		0.0	
AVERAGE SPEED OF DREDGE DURING AGITATING							FT/MIN		0		TOTALS:		00:00		24:00		0.0	
GALLONS OF FUEL OIL CONSUMED							GAL		3,505		NON-EFFECTIVE WORKING TIME:							
GALLONS OF WATER CONSUMED							GAL		897		TAKING ON FUEL AND SUPPLIES:		00:00		00:00		0.0	
WORK PERFORMED											TO AND FROM WHARF OR ANCHORAGE:		00:00		00:00		0.0	
													LOSS DUE TO NATURAL ELEMENTS:		00:00		00:00	
DREDGING AND HAULING											LOSS DUE TO TRAFFIC AND BRIDGES		00:00		00:00		0.0	
NO. OF LOADS		TOTAL CYS		DISPOSAL AREA		TOTAL CYS				MINOR OPERATING REPAIRS:		00:00		00:00		0.0		
6		13,175		Mobile 102-SW		0				TRANSFERRING BETWEEN WORKS:		00:00		00:00		0.0		
										LAY TIME:		00:00		00:00		0.0		
										FIRE AND BOAT DRILLS:		00:00		00:00		0.0		
ATTENDANT PLANT											MISCELLANEOUS:		00:00		00:00		0.0	
													TOTALS:		00:00		00:00	
ITEM		NAME OR NUMBER			H.P.		HOURS		LOST TIME:									
40' Crewboat		Cape Anne			400		12:00				MAJOR REPAIRS AND ALTERATIONS:		00:00		00:00		0.0	
											CESSATION:		00:00		00:00		0.0	
											COLLISIONS:		00:00		00:00		0.0	
											TOTALS:		00:00		00:00		0.0	
											TOTAL TIME/MILES:		00:00		24:00		0.0	

QUALITY CONTROL REPORT-HOPPER DREDGE					PAGE NO. <div>Page 222 of 494</div>	
CONTRACT NO. W91278-16-D-0041 0001		CONTRACT TITLE IDIQ Rental Hopper Dredge in Mobile		CONTRACTOR Dutra Dredging Company		REPORT NO. 108
DREDGE		NAME AND TYPE M/V Columbia			DATE 19 May 2016 - Thursday	
LOADS						
LOAD NUMBER	DREDGING AREA DISPOSAL AREA	START TIME STOP TIME (HH:MM)	PUMPING TURNING (MIN)	TO DUMP DUMPING TO CUT (MIN)	TOTAL TIME DREDGED AMOUNT AGITATED AMOUNT (MIN/CYS)	
1	Sta 1000+00- Sta 1060+00 Mobile 102-SW	00:00 00:01	1 0	45 4 0	50 2,635 0	
2	Sta 1000+00- Sta 1060+00 Mobile 102-SW	00:50 01:25	27 8	138 4 141	318 2,635 0	
3	Sta 1000+00- Sta 1060+00 Mobile 102-SW	06:08 06:38	30 0	154 4 132	320 2,635 0	
4	Sta 1000+00- Sta 1060+00 Mobile 102-SW	11:28 12:07	31 8	127 4 133	303 2,635 0	
5	Sta 1000+00- Sta 1060+00 Mobile 102-SW	16:31 17:06	30 5	134 4 144	317 2,635 0	
6	Sta 1000+00- Sta 1060+00 Mobile 102-SW	21:48 21:49	1 0	0 0 131	132 0 0	
<div>QC NARRATIVE(S)</div> <div>GENERAL COMMENTS</div> <div>1440 Minutes @ 100%</div>						

QUALITY CONTROL REPORT-HOPPER DREDGE										PAGE NO. Page 223 of 494	
CONTRACT NO. W91278-16-D-0041 0001		CONTRACT TITLE IDIQ Rental Hopper Dredge in Mobile					CONTRACTOR Dutra Dredging Company			REPORT NO. 109	
CHARACTER OF REPORT		<input checked="" type="checkbox"/> MAINTENANCE <input type="checkbox"/> NEW WORK							DATE 20 May 2016 - Friday		
DREDGE (M/V Columbia)		HOPPER CAP: 4,387 CY		AVG VOL OF BIN WATER: 4,387 CY			AVG UNFILLED CAP: 4,387 CY				
		NO. OF CREW MEMBERS	DREDGE 13	OTHER PLANT 5	WORK SCHEDULE	SHIFTS PER DAY 2	DAYS PER WEEK 7				
LOCATION OF WORK		LOCATION CHANNEL Mobile Harbor	REACH DREDGED; STA TO STA Sta 1000+00 to 1060+00			DISPOSAL AREA USE Mobile 102 -SW		QTY DEPOSITED GROSS(CY) 10,540	CUMULATIVE AND QTY DEPOSIT FOR DA(CY) 998,665		
		AVG LENGTH OF CUT 6,000 FT		AVG WIDTH OF CUT 400 FT			AVG DIST TO DUMP 24 NM				
CHARACTER OF MATERIAL		DENSITY OF MATERIALS						GMS/LITER 1.045			
		DENSITY OF WATER			1.006			GMS/LITER@ 70 °F			
RIVER/TIDE STAGE		MIN 1	TIME 00:00	MAX 0	TIME 00:00	GAGE LOCATION Fowl River					
		MIN 1	TIME 00:00	MAX 0	TIME 00:00	GAGE DATUM MLLW					
WEATHER CONDITION		WEATHER			TEMP (min / max)		VISIBILITY		WIND		
		Weather Caused No Delay			66 °F / 78 °F		10		54		
DRAFT					DISTRIBUTION OF TIME AND MILES RUN						
FORWARD		LIGHT		LOADED				AGITATING (MIN)	DREDGE & HAUL (MIN)	MILES RUN (NAUT MI)	
		8		15				EFFECTIVE WORKING TIME:			
AFT		10		16				PUMPING: 00:00 02:25 0.0			
								TURNING: 00:00 00:27 0.0			
DRAG DEPTH MAX 49 MIN 44									TO DUMP: 00:00 11:09 0.0		
									CONNECTING: 00:00 00:00 0.0		
INDICATORS LAST CHECKED ON 04/17/2016									DUMPING: 00:00 00:16 0.0		
									DISCONNECTING: 00:00 00:00 0.0		
AVERAGE SPEED OF DREDGE DURING LOADING					FT/MIN 2				TO CUT: 00:00 09:43 0.0		
AVERAGE SPEED OF DREDGE DURING AGITATING					FT/MIN 0				TOTALS: 00:00 24:00 0.0		
GALLONS OF FUEL OIL CONSUMED					GAL 2,766		NON-EFFECTIVE WORKING TIME:				
GALLONS OF WATER CONSUMED					GAL 448		TAKING ON FUEL AND SUPPLIES: 00:00 00:00 0.0				
WORK PERFORMED							TO AND FROM WHARF OR ANCHORAGE: 00:00 00:00 0.0				
							LOSS DUE TO NATURAL ELEMENTS: 00:00 00:00 0.0				
DREDGING AND HAULING			AGITATING				LOSS DUE TO TRAFFIC AND BRIDGES 00:00 00:00 0.0				
NO. OF LOADS	TOTAL CYS	DISPOSAL AREA		TOTAL CYS				MINOR OPERATING REPAIRS: 00:00 00:00 0.0			
5	10,540	Mobile 102-SW		0				TRANSFERRING BETWEEN WORKS: 00:00 00:00 0.0			
								LAY TIME: 00:00 00:00 0.0			
								FIRE AND BOAT DRILLS: 00:00 00:00 0.0			
ATTENDANT PLANT							MISCELLANEOUS: 00:00 00:00 0.0				
							TOTALS: 00:00 00:00 0.0				
ITEM		NAME OR NUMBER		H.P.	HOURS	LOST TIME:					
40' Crewboat		Cape Anne		400	12:00						
						MAJOR REPAIRS AND ALTERATIONS: 00:00 00:00 0.0					
						CESSATION: 00:00 00:00 0.0					
						COLLISIONS: 00:00 00:00 0.0					
						TOTALS: 00:00 00:00 0.0					
						TOTAL TIME/MILES: 00:00 24:00 0.0					

QUALITY CONTROL REPORT-HOPPER DREDGE					PAGE NO. Page 224 of 494	
CONTRACT NO. W91278-16-D-0041 0001		CONTRACT TITLE IDIQ Rental Hopper Dredge in Mobile		CONTRACTOR Dutra Dredging Company		REPORT NO. 109
DREDGE		NAME AND TYPE M/V Columbia			DATE 20 May 2016 - Friday	
LOADS						
LOAD NUMBER	DREDGING AREA DISPOSAL AREA	START TIME STOP TIME (HH:MM)	PUMPING TURNING (MIN)	TO DUMP DUMPING TO CUT (MIN)	TOTAL TIME DREDGED AMOUNT AGITATED AMOUNT (MIN/CYS)	
1	Sta 1000+00 to 1060+00 Mobile 102-SW	00:00 00:36	28 8	158 4 3	201 2,635 0	
2	Sta 1000+00 to 1060+00 Mobile 102-SW	03:21 03:59	31 7	148 4 132	322 2,635 0	
3	Sta 1000+00 to 1060+00 Mobile 102-SW	08:43 09:13	30 0	151 4 147	332 2,635 0	
4	Sta 1000+00 to 1060+00 Mobile 102-SW	14:15 14:52	30 7	138 4 152	331 2,635 0	
5	Sta 1000+00 to 1060+00 Mobile 102-SW	19:46 20:17	26 5	74 0 149	254 0 0	
QC NARRATIVE(S) GENERAL COMMENTS 1440 Minutes @ 100%						

QUALITY CONTROL REPORT-HOPPER DREDGE										PAGE NO. Page 225 of 494								
CONTRACT NO. W91278-16-D-0041 0001		CONTRACT TITLE IDIQ Rental Hopper Dredge in Mobile					CONTRACTOR Dutra Dredging Company			REPORT NO. 110								
CHARACTER OF REPORT		<input checked="" type="checkbox"/> MAINTENANCE <input type="checkbox"/> NEW WORK							DATE 21 May 2016 - Saturday									
DREDGE (M/V Columbia)		HOPPER CAP: 4,387 CY		AVG VOL OF BIN WATER: 4,387 CY			AVG UNFILLED CAP: 4,387 CY											
		NO. OF CREW MEMBERS	DREDGE 13	OTHER PLANT 5	WORK SCHEDULE	SHIFTS PER DAY 2		DAYS PER WEEK 7										
LOCATION OF WORK		LOCATION CHANNEL Mobile Harbor		REACH DREDGED; STA TO STA Sta 1000+00 to 1060+00		DISPOSAL AREA USE Mobile 102 -SW		QTY DEPOSITED GROSS(CY) 13,175		CUMULATIVE AND QTY DEPOSIT FOR DA(CY) 1,011,840								
		AVG LENGTH OF CUT 6,000 FT			AVG WIDTH OF CUT 400 FT			AVG DIST TO DUMP 24 NM										
CHARACTER OF MATERIAL		DENSITY OF MATERIALS						GMS/LITER 1.045										
		DENSITY OF WATER			1.006			GMS/LITER@ 70 °F										
RIVER/TIDE STAGE		MIN 1	TIME 00:00	MAX 0	TIME 00:00	GAGE LOCATION Fowl River												
		MIN 1	TIME 00:00	MAX 0	TIME 00:00	GAGE DATUM MLLW												
WEATHER CONDITION		WEATHER Weather Caused No Delay			TEMP (min / max) 71 °F / 90 °F		VISIBILITY 10		WIND 20									
DRAFT					DISTRIBUTION OF TIME AND MILES RUN													
FORWARD		LIGHT		LOADED				AGITATING (MIN)		DREDGE & HAUL (MIN)		MILES RUN (NAUT MI)						
		8		15		EFFECTIVE WORKING TIME:												
AFT		10		16		PUMPING:		00:00		02:00		0.0						
						TURNING:		00:00		00:17		0.0						
DRAG DEPTH MAX 49 MIN 44					TO DUMP:		00:00		10:13		0.0							
					CONNECTING:		00:00		00:00		0.0							
INDICATORS LAST CHECKED ON 04/17/2016					DUMPING:		00:00		00:47		0.0							
					DISCONNECTING:		00:00		00:00		0.0							
AVERAGE SPEED OF DREDGE DURING LOADING							FT/MIN		2		TO CUT:		00:00		10:43		0.0	
AVERAGE SPEED OF DREDGE DURING AGITATING							FT/MIN		0		TOTALS:		00:00		24:00		0.0	
GALLONS OF FUEL OIL CONSUMED							GAL		2,413		NON-EFFECTIVE WORKING TIME:							
GALLONS OF WATER CONSUMED							GAL		784		TAKING ON FUEL AND SUPPLIES:		00:00		00:00		0.0	
WORK PERFORMED											TO AND FROM WHARF OR ANCHORAGE:		00:00		00:00		0.0	
													LOSS DUE TO NATURAL ELEMENTS:		00:00		00:00	
DREDGING AND HAULING							AGITATING				LOSS DUE TO TRAFFIC AND BRIDGES		00:00		00:00		0.0	
NO. OF LOADS		TOTAL CYS		DISPOSAL AREA		TOTAL CYS				MINOR OPERATING REPAIRS:		00:00		00:00		0.0		
6		13,175		Mobile 102-SW		0				TRANSFERRING BETWEEN WORKS:		00:00		00:00		0.0		
										LAY TIME:		00:00		00:00		0.0		
										FIRE AND BOAT DRILLS:		00:00		00:00		0.0		
ATTENDANT PLANT											MISCELLANEOUS:		00:00		00:00		0.0	
													TOTALS:		00:00		00:00	
ITEM		NAME OR NUMBER			H.P.		HOURS		LOST TIME:									
40' Crewboat		Cape Anne			400		12:00				MAJOR REPAIRS AND ALTERATIONS:		00:00		00:00		0.0	
											CESSATION:		00:00		00:00		0.0	
											COLLISIONS:		00:00		00:00		0.0	
											TOTALS:		00:00		00:00		0.0	
											TOTAL TIME/MILES:		00:00		24:00		0.0	

QUALITY CONTROL REPORT-HOPPER DREDGE					PAGE NO. Page 226 of 494	
CONTRACT NO. W91278-16-D-0041 0001		CONTRACT TITLE IDIQ Rental Hopper Dredge in Mobile		CONTRACTOR Dutra Dredging Company		REPORT NO. 110
DREDGE		NAME AND TYPE M/V Columbia			DATE 21 May 2016 - Saturday	
LOADS						
LOAD NUMBER	DREDGING AREA DISPOSAL AREA	START TIME STOP TIME (HH:MM)	PUMPING TURNING (MIN)	TO DUMP DUMPING TO CUT (MIN)	TOTAL TIME DREDGED AMOUNT AGITATED AMOUNT (MIN/CYS)	
1	Sta 1000+00 to 1060+00 Mobile 102-SW	00:00 00:01	1 0	66 4 0	71 2,635 0	
2	Sta 1000+00 to 1060+00 Mobile 102-SW	01:11 01:41	30 0	154 4 135	323 2,635 0	
3	Sta 1000+00 to 1060+00 Mobile 102-SW	06:34 07:11	32 5	138 31 135	341 2,635 0	
4	Sta 1000+00 to 1060+00 Mobile 102-SW	12:15 12:50	29 6	126 4 140	305 2,635 0	
5	Sta 1000+00 to 1060+00 Mobile 102-SW	17:20 17:53	27 6	129 4 155	321 2,635 0	
6	Sta 1000+00 to 1060+00 Mobile 102-SW	22:41 22:42	1 0	0 0 78	79 0 0	
QC NARRATIVE(S) GENERAL COMMENTS 1440 Minutes @ 100%						

QUALITY CONTROL REPORT-HOPPER DREDGE											PAGE NO. <div>Page 227 of 494</div>																																																						
CONTRACT NO. W91278-16-D-0041 0001		CONTRACT TITLE IDIQ Rental Hopper Dredge in Mobile					CONTRACTOR Dutra Dredging Company				REPORT NO. 111																																																						
CHARACTER OF REPORT		<input checked="" type="checkbox"/> MAINTENANCE <input type="checkbox"/> NEW WORK								DATE 22 May 2016 - Sunday																																																							
DREDGE (M/V Columbia)		HOPPER CAP: 4,387 CY			AVG VOL OF BIN WATER: 4,387 CY			AVG UNFILLED CAP: 4,387 CY																																																									
		NO. OF CREW MEMBERS	DREDGE 13		OTHER PLANT 5	WORK SCHEDULE	SHIFTS PER DAY 2		DAYS PER WEEK 7																																																								
LOCATION OF WORK		LOCATION CHANNEL Mobile Harbor		REACH DREDGED; STA TO STA Sta 1000+00 to 1060+00		DISPOSAL AREA USE Mobile 102 -SW		QTY DEPOSITED GROSS(CY) 10,540		CUMULATIVE AND QTY DEPOSIT FOR DA(CY) 1,022,380																																																							
		AVG LENGTH OF CUT 6,000 FT			AVG WIDTH OF CUT 400 FT			AVG DIST TO DUMP 24 NM																																																									
CHARACTER OF MATERIAL		DENSITY OF MATERIALS							GMS/LITER 1.045																																																								
		DENSITY OF WATER				1.006			GMS/LITER@ 70 °F																																																								
RIVER/TIDE STAGE		MIN 1	TIME 00:00	MAX 0	TIME 00:00	GAGE LOCATION Fowl River																																																											
		MIN 0	TIME 00:00	MAX 0	TIME 00:00	GAGE DATUM MLLW																																																											
WEATHER CONDITION		WEATHER Weather Caused No Delay			TEMP (min / max) 71 °F / 90 °F		VISIBILITY 10		WIND 20																																																								
DRAFT					DISTRIBUTION OF TIME AND MILES RUN																																																												
FORWARD		LIGHT		LOADED				AGITATING (MIN)		DREDGE & HAUL (MIN)		MILES RUN (NAUT MI)																																																					
		8		15																																																													
AFT		10		16		EFFECTIVE WORKING TIME:																																																											
DRAG DEPTH MAX 49 MIN 44 INDICATORS LAST CHECKED ON 04/17/2016 AVERAGE SPEED OF DREDGE DURING LOADING FT/MIN 2 AVERAGE SPEED OF DREDGE DURING AGITATING FT/MIN 0 GALLONS OF FUEL OIL CONSUMED GAL 2,402 GALLONS OF WATER CONSUMED GAL 560 WORK PERFORMED <table border="1"><thead><tr><th colspan="2">DREDGING AND HAULING</th><th colspan="2">AGITATING</th></tr><tr><th>NO. OF LOADS</th><th>TOTAL CYS</th><th>DISPOSAL AREA</th><th>TOTAL CYS</th></tr></thead><tbody><tr><td>5</td><td>10,540</td><td>Mobile 102-SW</td><td>0</td></tr><tr><td> </td><td> </td><td> </td><td> </td></tr><tr><td> </td><td> </td><td> </td><td> </td></tr></tbody></table> ATTENDANT PLANT <table border="1"><thead><tr><th>ITEM</th><th>NAME OR NUMBER</th><th>H.P.</th><th>HOURS</th></tr></thead><tbody><tr><td>40' Crewboat</td><td>Cape Anne</td><td>400</td><td>12:00</td></tr><tr><td> </td><td> </td><td> </td><td> </td></tr><tr><td> </td><td> </td><td> </td><td> </td></tr><tr><td> </td><td> </td><td> </td><td> </td></tr><tr><td> </td><td> </td><td> </td><td> </td></tr><tr><td> </td><td> </td><td> </td><td> </td></tr><tr><td> </td><td> </td><td> </td><td> </td></tr></tbody></table>						DREDGING AND HAULING		AGITATING		NO. OF LOADS	TOTAL CYS	DISPOSAL AREA	TOTAL CYS	5	10,540	Mobile 102-SW	0									ITEM	NAME OR NUMBER	H.P.	HOURS	40' Crewboat	Cape Anne	400	12:00																									PUMPING:		00:00		02:12		0.0	
						DREDGING AND HAULING		AGITATING																																																									
						NO. OF LOADS	TOTAL CYS	DISPOSAL AREA	TOTAL CYS																																																								
						5	10,540	Mobile 102-SW	0																																																								
						ITEM	NAME OR NUMBER	H.P.	HOURS																																																								
						40' Crewboat	Cape Anne	400	12:00																																																								
TURNING:		00:00		00:31		0.0																																																											
TO DUMP:		00:00		10:00		0.0																																																											
CONNECTING:		00:00		00:00		0.0																																																											
DUMPING:		00:00		00:16		0.0																																																											
DISCONNECTING:		00:00		00:00		0.0																																																											
TO CUT:		00:00		10:01		0.0																																																											
TOTALS:		00:00		23:00		0.0																																																											
NON-EFFECTIVE WORKING TIME:																																																																	
TAKING ON FUEL AND SUPPLIES:						00:00		00:00		0.0																																																							
TO AND FROM WHARF OR ANCHORAGE:						00:00		00:00		0.0																																																							
LOSS DUE TO NATURAL ELEMENTS:						00:00		00:00		0.0																																																							
LOSS DUE TO TRAFFIC AND BRIDGES						00:00		00:00		0.0																																																							
MINOR OPERATING REPAIRS:						00:00		01:00		0.0																																																							
TRANSFERRING BETWEEN WORKS:						00:00		00:00		0.0																																																							
LAY TIME:						00:00		00:00		0.0																																																							
FIRE AND BOAT DRILLS:						00:00		00:00		0.0																																																							
MISCELLANEOUS:						00:00		00:00		0.0																																																							
TOTALS:						00:00		01:00		0.0																																																							
LOST TIME:																																																																	
MAJOR REPAIRS AND ALTERATIONS:						00:00		00:00		0.0																																																							
CESSATION:						00:00		00:00		0.0																																																							
COLLISIONS:						00:00		00:00		0.0																																																							
TOTALS:						00:00		00:00		0.0																																																							
TOTAL TIME/MILES:						00:00		24:00		0.0																																																							

QUALITY CONTROL REPORT-HOPPER DREDGE					PAGE NO. Page 228 of 494	
CONTRACT NO. W91278-16-D-0041 0001		CONTRACT TITLE IDIQ Rental Hopper Dredge in Mobile		CONTRACTOR Dutra Dredging Company		REPORT NO. 111
DREDGE		NAME AND TYPE M/V Columbia			DATE 22 May 2016 - Sunday	
LOADS						
LOAD NUMBER	DREDGING AREA DISPOSAL AREA	START TIME STOP TIME (HH:MM)	PUMPING TURNING (MIN)	TO DUMP DUMPING TO CUT (MIN)	TOTAL TIME DREDGED AMOUNT AGITATED AMOUNT (MIN/CYS)	
1	Sta 1000+00 to 1060+00 Mobile 102-SW	00:00 00:41	34 7	145 4 53	243 2,635 0	
2	Sta 1000+00 to 1060+00 Mobile 102-SW	04:03 04:37	28 6	143 4 128	309 2,635 0	
3	Sta 1000+00 to 1060+00 Mobile 102-SW	09:12 09:39	21 6	137 4 126	294 2,635 0	
4	Sta 1000+00 to 1060+00 Mobile 102-SW	14:06 14:37	25 6	122 4 152	309 2,635 0	
5	Sta 1000+00 to 1060+00 Mobile 102-SW	20:15 20:45	24 6	53 0 142	225 0 0	
QC NARRATIVE(S) GENERAL COMMENTS 1380 Minutes @ 100% 60 Minutes @ 0% Minor Repair						

QUALITY CONTROL REPORT-HOPPER DREDGE										PAGE NO. <div>Page 229 of 494</div>	
CONTRACT NO. W91278-16-D-0041 0001		CONTRACT TITLE IDIQ Rental Hopper Dredge in Mobile				CONTRACTOR Dutra Dredging Company				REPORT NO. 112	
CHARACTER OF REPORT		<input checked="" type="checkbox"/> MAINTENANCE <input type="checkbox"/> NEW WORK								DATE 23 May 2016 - Monday	
DREDGE (M/V Columbia)		HOPPER CAP: 4,387 CY		AVG VOL OF BIN WATER: 4,387 CY		AVG UNFILLED CAP: 4,387 CY					
		NO. OF CREW MEMBERS	DREDGE 13	OTHER PLANT 5	WORK SCHEDULE	SHIFTS PER DAY 2	DAYS PER WEEK 7				
LOCATION OF WORK		LOCATION CHANNEL Mobile Harbor		REACH DREDGED; STA TO STA Sta 1000+00 to 1060+00		DISPOSAL AREA USE Mobile 102 -SW		QTY DEPOSITED GROSS(CY) 13,175	CUMULATIVE AND QTY DEPOSIT FOR DA(CY) 1,035,555		
		AVG LENGTH OF CUT 6,000 FT		AVG WIDTH OF CUT 400 FT		AVG DIST TO DUMP 24 NM					
CHARACTER OF MATERIAL		DENSITY OF MATERIALS				GMS/LITER 1.045					
		DENSITY OF WATER		1.006		GMS/LITER@ 70 °F					
RIVER/TIDE STAGE		MIN 1	TIME 00:00	MAX 0	TIME 00:00	GAGE LOCATION Fowl River					
		MIN 1	TIME 00:00	MAX 0	TIME 00:00	GAGE DATUM MLLW					
WEATHER CONDITION		WEATHER Weather Caused No Delay		TEMP (min / max) 64 °F / 84 °F		VISIBILITY 10		WIND 24			
DRAFT					DISTRIBUTION OF TIME AND MILES RUN						
FORWARD		LIGHT		LOADED				AGITATING (MIN)	DREDGE & HAUL (MIN)	MILES RUN (NAUT MI)	
		8		15		EFFECTIVE WORKING TIME:					
AFT		10		16		PUMPING:		00:00	01:47	0.0	
						TURNING:		00:00	00:25	0.0	
DRAG DEPTH		MAX 49 MIN 44				TO DUMP:		00:00	10:19	0.0	
INDICATORS LAST CHECKED ON 04/17/2016						CONNECTING:		00:00	00:00	0.0	
AVERAGE SPEED OF DREDGE DURING LOADING				FT/MIN 2		DUMPING:		00:00	00:20	0.0	
AVERAGE SPEED OF DREDGE DURING AGITATING				FT/MIN 0		DISCONNECTING:		00:00	00:00	0.0	
						TO CUT:		00:00	11:09	0.0	
GALLONS OF FUEL OIL CONSUMED				GAL 3,072		TOTALS:		00:00	24:00	0.0	
GALLONS OF WATER CONSUMED				GAL 449		NON-EFFECTIVE WORKING TIME:					
						TAKING ON FUEL AND SUPPLIES:		00:00	00:00	0.0	
						TO AND FROM WHARF OR ANCHORAGE:		00:00	00:00	0.0	
						LOSS DUE TO NATURAL ELEMENTS:		00:00	00:00	0.0	
						LOSS DUE TO TRAFFIC AND BRIDGES		00:00	00:00	0.0	
						MINOR OPERATING REPAIRS:		00:00	00:00	0.0	
						TRANSFERRING BETWEEN WORKS:		00:00	00:00	0.0	
						LAY TIME:		00:00	00:00	0.0	
						FIRE AND BOAT DRILLS:		00:00	00:00	0.0	
						MISCELLANEOUS:		00:00	00:00	0.0	
						TOTALS:		00:00	00:00	0.0	
WORK PERFORMED					LOST TIME:						
DREDGING AND HAULING		AGITATING		MAJOR REPAIRS AND ALTERATIONS:							
NO. OF LOADS	TOTAL CYS	DISPOSAL AREA	TOTAL CYS	CESSATION:							
6	13,175	Mobile 102-SW	0	COLLISIONS:							
				TOTALS:							
				TOTAL TIME/MILES:							
				00:00 24:00 0.0							

QUALITY CONTROL REPORT-HOPPER DREDGE					PAGE NO. Page 230 of 494	
CONTRACT NO. W91278-16-D-0041 0001		CONTRACT TITLE IDIQ Rental Hopper Dredge in Mobile		CONTRACTOR Dutra Dredging Company		REPORT NO. 112
DREDGE		NAME AND TYPE M/V Columbia			DATE 23 May 2016 - Monday	
LOADS						
LOAD NUMBER	DREDGING AREA DISPOSAL AREA	START TIME STOP TIME (HH:MM)	PUMPING TURNING (MIN)	TO DUMP DUMPING TO CUT (MIN)	TOTAL TIME DREDGED AMOUNT AGITATED AMOUNT (MIN/CYS)	
1	Sta 1000+00 to 1060+00 Mobile 102-SW	00:00 00:01	1 0	83 4 0	88 2,635 0	
2	Sta 1000+00 to 1060+00 Mobile 102-SW	01:28 02:02	27 7	141 4 129	308 2,635 0	
3	Sta 1000+00 to 1060+00 Mobile 102-SW	06:36 07:07	25 6	142 4 124	301 2,635 0	
4	Sta 1000+00 to 1060+00 Mobile 102-SW	11:37 12:12	29 6	129 4 125	293 2,635 0	
5	Sta 1000+00 to 1060+00 Mobile 102-SW	16:30 17:00	24 6	124 4 160	318 2,635 0	
6	Sta 1000+00 to 1060+00 Mobile 102-SW	21:48 21:49	1 0	0 0 131	132 0 0	
QC NARRATIVE(S)						
GENERAL COMMENTS						
1440 Minutes @ 100%						

QUALITY CONTROL REPORT-HOPPER DREDGE										PAGE NO. Page 231 of 494	
CONTRACT NO. W91278-16-D-0041 0001		CONTRACT TITLE IDIQ Rental Hopper Dredge in Mobile				CONTRACTOR Dutra Dredging Company				REPORT NO. 113	
CHARACTER OF REPORT		<input checked="" type="checkbox"/> MAINTENANCE <input type="checkbox"/> NEW WORK								DATE 24 May 2016 - Tuesday	
DREDGE (M/V Columbia)		HOPPER CAP: 4,387 CY			AVG VOL OF BIN WATER: 4,387 CY			AVG UNFILLED CAP: 4,387 CY			
		NO. OF CREW MEMBERS	DREDGE	OTHER PLANT	WORK SCHEDULE	SHIFTS PER DAY	DAYS PER WEEK				
			13	5		2	7				
LOCATION OF WORK		LOCATION CHANNEL		REACH DREDGED; STA TO STA		DISPOSAL AREA USE		QTY DEPOSITED GROSS(CY)		CUMULATIVE AND QTY DEPOSIT FOR DA(CY)	
		Mobile Harbor		Sta 1000+00 to 1060+00 & 1060+00 to 1120+00		Mobile 102 -SW		5,270		1,040,825	
		AVG LENGTH OF CUT 6,000 FT			AVG WIDTH OF CUT 400 FT			AVG DIST TO DUMP 24 NM			
CHARACTER OF MATERIAL		DENSITY OF MATERIALS						GMS/LITER 1.045			
		DENSITY OF WATER				1.006		GMS/LITER@ 70 °F			
RIVER/TIDE STAGE		MIN 1	TIME 00:00	MAX 0	TIME 00:00	GAGE LOCATION Fowl River					
		MIN 0	TIME 00:00	MAX 0	TIME 00:00	GAGE DATUM MLLW					
WEATHER CONDITION		WEATHER Weather Caused No Delay			TEMP (min / max) 66 °F / 84 °F		VISIBILITY 10		WIND 26		
DRAFT					DISTRIBUTION OF TIME AND MILES RUN						
FORWARD		LIGHT	LOADED				AGITATING (MIN)	DREDGE & HAUL (MIN)	MILES RUN (NAUT MI)		
		8	15								
AFT						EFFECTIVE WORKING TIME:					
		10	16		PUMPING:	00:00	01:27	0.0			
					TURNING:	00:00	00:00	0.0			
DRAG DEPTH MAX 49 MIN 44					TO DUMP:	00:00	04:38	0.0			
INDICATORS LAST CHECKED ON 04/17/2016					CONNECTING:	00:00	00:00	0.0			
AVERAGE SPEED OF DREDGE DURING LOADING				FT/MIN 2	DUMPING:	00:00	00:29	0.0			
AVERAGE SPEED OF DREDGE DURING AGITATING				FT/MIN 0	DISCONNECTING:	00:00	00:00	0.0			
					TO CUT:	00:00	04:17	0.0			
GALLONS OF FUEL OIL CONSUMED				GAL 1,200	TOTALS:	00:00	10:51	0.0			
GALLONS OF WATER CONSUMED				GAL 350	NON-EFFECTIVE WORKING TIME:						
WORK PERFORMED					TAKING ON FUEL AND SUPPLIES:	00:00	03:05	0.0			
DREDGING AND HAULING			AGITATING		TO AND FROM WHARF OR ANCHORAGE:	00:00	02:36	0.0			
NO. OF LOADS	TOTAL CYS	DISPOSAL AREA	TOTAL CYS		LOSS DUE TO NATURAL ELEMENTS:	00:00	00:00	0.0			
3	5,270	Mobile 102-SW	0		LOSS DUE TO TRAFFIC AND BRIDGES	00:00	00:00	0.0			
					MINOR OPERATING REPAIRS:	00:00	07:28	0.0			
					TRANSFERRING BETWEEN WORKS:	00:00	00:00	0.0			
					LAY TIME:	00:00	00:00	0.0			
ATTENDANT PLANT					FIRE AND BOAT DRILLS:	00:00	00:00	0.0			
ITEM	NAME OR NUMBER		H.P.	HOURS	MISCELLANEOUS:	00:00	00:00	0.0			
40' Crewboat	Cape Anne		400	12:00	TOTALS:	00:00	13:09	0.0			
					LOST TIME:						
					MAJOR REPAIRS AND ALTERATIONS:	00:00	00:00	0.0			
					CESSATION:	00:00	00:00	0.0			
					COLLISIONS:	00:00	00:00	0.0			
					TOTALS:	00:00	00:00	0.0			
					TOTAL TIME/MILES:	00:00	24:00	0.0			

QUALITY CONTROL REPORT-HOPPER DREDGE			PAGE NO. Page 232 of 494
CONTRACT NO. W91278-16-D-0041 0001	CONTRACT TITLE IDIQ Rental Hopper Dredge in Mobile	CONTRACTOR Dutra Dredging Company	REPORT NO. 113
DREDGE	NAME AND TYPE M/V Columbia	DATE 24 May 2016 - Tuesday	

LOADS					
LOAD NUMBER	DREDGING AREA DISPOSAL AREA	START TIME STOP TIME (HH:MM)	PUMPING TURNING (MIN)	TO DUMP DUMPING TO CUT (MIN)	TOTAL TIME DREDGED AMOUNT AGITATED AMOUNT (MIN/CYS)
1	Sta 1000+00 to 1060+00 Mobile 102-SW	00:00 00:30	30 0	159 25 1	215 2,635 0
2	Sta 1060+00 to 1120+00 Mobile 102-SW	03:35 04:04	29 0	117 4 127	277 2,635 0
3	Sta 1060+00 to 1120+00 Mobile 102-SW	21:21 21:49	28 0	2 0 129	159 0 0

QC NARRATIVE(S)

GENERAL COMMENTS

651 Minutes @ 100%
789 Minutes @ 0% Minor Repair, Fueling

QUALITY CONTROL REPORT-HOPPER DREDGE										PAGE NO. Page 233 of 494		
CONTRACT NO. W91278-16-D-0041 0001		CONTRACT TITLE IDIQ Rental Hopper Dredge in Mobile					CONTRACTOR Dutra Dredging Company			REPORT NO. 114		
CHARACTER OF REPORT		<input checked="" type="checkbox"/> MAINTENANCE <input type="checkbox"/> NEW WORK							DATE 25 May 2016 - Wednesday			
DREDGE (M/V Columbia)		HOPPER CAP: 4,387 CY		AVG VOL OF BIN WATER: 4,387 CY		AVG UNFILLED CAP: 4,387 CY						
		NO. OF CREW MEMBERS	DREDGE 13	OTHER PLANT 5	WORK SCHEDULE	SHIFTS PER DAY 2	DAYS PER WEEK 7					
LOCATION OF WORK		LOCATION CHANNEL Mobile Harbor	REACH DREDGED; STA TO STA Sta 1060+00 to 1120+00		DISPOSAL AREA USE Mobile 102 -SW		QTY DEPOSITED GROSS(CY) 13,175	CUMULATIVE AND QTY DEPOSIT FOR DA(CY) 1,054,000				
		AVG LENGTH OF CUT 6,000 FT		AVG WIDTH OF CUT 400 FT		AVG DIST TO DUMP 24 NM						
CHARACTER OF MATERIAL		DENSITY OF MATERIALS						GMS/LITER 1.045				
		DENSITY OF WATER			1.006			GMS/LITER@ 70 °F				
RIVER/TIDE STAGE		MIN 1	TIME 00:00	MAX 0	TIME 00:00	GAGE LOCATION Fowl River						
		MIN 1	TIME 00:00	MAX 0	TIME 00:00	GAGE DATUM MLLW						
WEATHER CONDITION		WEATHER Weather Caused No Delay		TEMP (min / max) 68 °F / 83 °F		VISIBILITY 10		WIND 26				
DRAFT					DISTRIBUTION OF TIME AND MILES RUN							
FORWARD		LIGHT		LOADED				AGITATING (MIN)	DREDGE & HAUL (MIN)	MILES RUN (NAUT MI)		
		8		15		EFFECTIVE WORKING TIME:						
AFT						PUMPING:						
		10		16		00:00 02:00 0.0						
DRAG DEPTH MAX 49 MIN 44					TURNING:					00:00 00:00 0.0		
INDICATORS LAST CHECKED ON 04/17/2016					TO DUMP:					00:00 11:46 0.0		
					CONNECTING:					00:00 00:00 0.0		
AVERAGE SPEED OF DREDGE DURING LOADING				FT/MIN	DUMPING:					00:00 00:20 0.0		
				2	DISCONNECTING:					00:00 00:00 0.0		
AVERAGE SPEED OF DREDGE DURING AGITATING				FT/MIN	TO CUT:					00:00 09:54 0.0		
				0	TOTALS:					00:00 24:00 0.0		
GALLONS OF FUEL OIL CONSUMED				GAL	NON-EFFECTIVE WORKING TIME:							
				2,403	TAKING ON FUEL AND SUPPLIES:					00:00 00:00 0.0		
GALLONS OF WATER CONSUMED				GAL	TO AND FROM WHARF OR ANCHORAGE:					00:00 00:00 0.0		
				571	LOSS DUE TO NATURAL ELEMENTS:					00:00 00:00 0.0		
WORK PERFORMED					LOSS DUE TO TRAFFIC AND BRIDGES					00:00 00:00 0.0		
DREDGING AND HAULING			AGITATING		MINOR OPERATING REPAIRS:					00:00 00:00 0.0		
NO. OF LOADS	TOTAL CYS	DISPOSAL AREA		TOTAL CYS		TRANSFERRING BETWEEN WORKS:					00:00 00:00 0.0	
6	13,175	Mobile 102-SW		0		LAY TIME:					00:00 00:00 0.0	
						FIRE AND BOAT DRILLS:					00:00 00:00 0.0	
						MISCELLANEOUS:					00:00 00:00 0.0	
ATTENDANT PLANT					TOTALS:					00:00 00:00 0.0		
ITEM		NAME OR NUMBER		H.P.	HOURS	LOST TIME:						
40' Crewboat		Cape Anne		400	12:00	MAJOR REPAIRS AND ALTERATIONS:					00:00 00:00 0.0	
						CESSATION:					00:00 00:00 0.0	
						COLLISIONS:					00:00 00:00 0.0	
						TOTALS:					00:00 00:00 0.0	
						TOTAL TIME/MILES:					00:00 24:00 0.0	

QUALITY CONTROL REPORT-HOPPER DREDGE					PAGE NO. <div>Page 234 of 494</div>	
CONTRACT NO. W91278-16-D-0041 0001		CONTRACT TITLE IDIQ Rental Hopper Dredge in Mobile		CONTRACTOR Dutra Dredging Company		REPORT NO. 114
DREDGE		NAME AND TYPE M/V Columbia			DATE 25 May 2016 - Wednesday	
LOADS						
LOAD NUMBER	DREDGING AREA DISPOSAL AREA	START TIME STOP TIME (HH:MM)	PUMPING TURNING (MIN)	TO DUMP DUMPING TO CUT (MIN)	TOTAL TIME DREDGED AMOUNT AGITATED AMOUNT (MIN/CYS)	
1	Sta 1060+00 to 1120+00 Mobile 102-SW	00:00 00:01	1 0	137 4 0	142 2,635 0	
2	Sta 1060+00 to 1120+00 Mobile 102-SW	02:22 02:50	28 0	150 4 124	306 2,635 0	
3	Sta 1060+00 to 1120+00 Mobile 102-SW	07:28 07:58	30 0	154 4 111	299 2,635 0	
4	Sta 1060+00 to 1120+00 Mobile 102-SW	12:27 12:58	31 0	136 4 118	289 2,635 0	
5	Sta 1060+00 to 1120+00 Mobile 102-SW	17:16 17:45	29 0	129 4 138	300 2,635 0	
6	Sta 1060+00 to 1120+00 Mobile 102-SW	22:16 22:17	1 0	0 0 103	104 0 0	
<div>QC NARRATIVE(S)</div> <div>GENERAL COMMENTS</div> <div>1440 Minutes @ 100%</div>						

QUALITY CONTROL REPORT-HOPPER DREDGE										PAGE NO. Page 235 of 494								
CONTRACT NO. W91278-16-D-0041 0001		CONTRACT TITLE IDIQ Rental Hopper Dredge in Mobile					CONTRACTOR Dutra Dredging Company			REPORT NO. 115								
CHARACTER OF REPORT		<input checked="" type="checkbox"/> MAINTENANCE <input type="checkbox"/> NEW WORK							DATE 26 May 2016 - Thursday									
DREDGE (M/V Columbia)		HOPPER CAP: 4,387 CY		AVG VOL OF BIN WATER: 4,387 CY		AVG UNFILLED CAP: 4,387 CY												
		NO. OF CREW MEMBERS	DREDGE 13	OTHER PLANT 5	WORK SCHEDULE	SHIFTS PER DAY 2	DAYS PER WEEK 7											
LOCATION OF WORK		LOCATION CHANNEL Mobile Harbor		REACH DREDGED; STA TO STA Sta 1060+00 to 1120+00		DISPOSAL AREA USE Mobile 102 -SW		QTY DEPOSITED GROSS(CY) 13,175		CUMULATIVE AND QTY DEPOSIT FOR DA(CY) 1,067,175								
		AVG LENGTH OF CUT 6,000 FT		AVG WIDTH OF CUT 400 FT		AVG DIST TO DUMP 23 NM												
CHARACTER OF MATERIAL		DENSITY OF MATERIALS						GMS/LITER 1.045										
		DENSITY OF WATER			1.006			GMS/LITER@ 70 °F										
RIVER/TIDE STAGE		MIN 1	TIME 00:00	MAX 0	TIME 00:00	GAGE LOCATION Fowl River												
		MIN 1	TIME 00:00	MAX 0	TIME 00:00	GAGE DATUM MLLW												
WEATHER CONDITION		WEATHER			TEMP (min / max)		VISIBILITY		WIND									
		Weather Caused No Delay			69 °F / 83 °F		10		32									
DRAFT					DISTRIBUTION OF TIME AND MILES RUN													
FORWARD		LIGHT		LOADED				AGITATING (MIN)		DREDGE & HAUL (MIN)		MILES RUN (NAUT MI)						
		8		15		EFFECTIVE WORKING TIME:												
AFT		10		16		PUMPING:		00:00		02:29		0.0						
						TURNING:		00:00		00:00		0.0						
DRAG DEPTH MAX 49 MIN 44					TO DUMP:		00:00		11:42		0.0							
					CONNECTING:		00:00		00:00		0.0							
INDICATORS LAST CHECKED ON 04/17/2016					DUMPING:		00:00		00:25		0.0							
					DISCONNECTING:		00:00		00:00		0.0							
AVERAGE SPEED OF DREDGE DURING LOADING							FT/MIN		2		TO CUT:		00:00		09:24		0.0	
AVERAGE SPEED OF DREDGE DURING AGITATING							FT/MIN		0		TOTALS:		00:00		24:00		0.0	
GALLONS OF FUEL OIL CONSUMED							GAL		2,847		NON-EFFECTIVE WORKING TIME:							
GALLONS OF WATER CONSUMED							GAL		738		TAKING ON FUEL AND SUPPLIES:		00:00		00:00		0.0	
WORK PERFORMED											TO AND FROM WHARF OR ANCHORAGE:		00:00		00:00		0.0	
													LOSS DUE TO NATURAL ELEMENTS:		00:00		00:00	
DREDGING AND HAULING				AGITATING						LOSS DUE TO TRAFFIC AND BRIDGES		00:00		00:00		0.0		
NO. OF LOADS	TOTAL CYS	DISPOSAL AREA		TOTAL CYS						MINOR OPERATING REPAIRS:		00:00		00:00		0.0		
6	13,175	Mobile 102-SW		0						TRANSFERRING BETWEEN WORKS:		00:00		00:00		0.0		
										LAY TIME:		00:00		00:00		0.0		
										FIRE AND BOAT DRILLS:		00:00		00:00		0.0		
ATTENDANT PLANT											MISCELLANEOUS:		00:00		00:00		0.0	
													TOTALS:		00:00		00:00	
ITEM		NAME OR NUMBER		H.P.		HOURS		LOST TIME:										
40' Crewboat		Cape Anne		400		12:00												
										MAJOR REPAIRS AND ALTERATIONS:		00:00		00:00		0.0		
										CESSATION:		00:00		00:00		0.0		
										COLLISIONS:		00:00		00:00		0.0		
										TOTALS:		00:00		00:00		0.0		
										TOTAL TIME/MILES:		00:00		24:00		0.0		

QUALITY CONTROL REPORT-HOPPER DREDGE					PAGE NO. Page 236 of 494	
CONTRACT NO. W91278-16-D-0041 0001		CONTRACT TITLE IDIQ Rental Hopper Dredge in Mobile		CONTRACTOR Dutra Dredging Company		REPORT NO. 115
DREDGE		NAME AND TYPE M/V Columbia			DATE 26 May 2016 - Thursday	
LOADS						
LOAD NUMBER	DREDGING AREA DISPOSAL AREA	START TIME STOP TIME (HH:MM)	PUMPING TURNING (MIN)	TO DUMP DUMPING TO CUT (MIN)	TOTAL TIME DREDGED AMOUNT AGITATED AMOUNT (MIN/CYS)	
1	Sta 1060+00 to 1120+00 Mobile 102-SW	00:00 00:28	28 0	143 4 25	200 2,635 0	
2	Sta 1060+00 to 1120+00 Mobile 102-SW	03:20 03:49	29 0	148 4 118	299 2,635 0	
3	Sta 1060+00 to 1120+00 Mobile 102-SW	08:19 08:48	29 0	147 10 115	301 2,635 0	
4	Sta 1060+00 to 1120+00 Mobile 102-SW	13:20 13:51	31 0	133 3 125	292 2,635 0	
5	Sta 1060+00 to 1120+00 Mobile 102-SW	18:12 18:43	31 0	131 4 131	297 2,635 0	
6	Sta 1060+00 to 1120+00 Mobile 102-SW	23:09 23:10	1 0	0 0 50	51 0 0	
QC NARRATIVE(S) GENERAL COMMENTS 1440 Minutes @ 100%						

QUALITY CONTROL REPORT-HOPPER DREDGE										PAGE NO. Page 237 of 494	
CONTRACT NO. W91278-16-D-0041 0001		CONTRACT TITLE IDIQ Rental Hopper Dredge in Mobile					CONTRACTOR Dutra Dredging Company			REPORT NO. 116	
CHARACTER OF REPORT		<input checked="" type="checkbox"/> MAINTENANCE <input type="checkbox"/> NEW WORK							DATE 27 May 2016 - Friday		
DREDGE (M/V Columbia)		HOPPER CAP: 4,387 CY		AVG VOL OF BIN WATER: 4,387 CY		AVG UNFILLED CAP: 4,387 CY					
		NO. OF CREW MEMBERS	DREDGE 13	OTHER PLANT 5	WORK SCHEDULE	SHIFTS PER DAY 2	DAYS PER WEEK 7				
LOCATION OF WORK		LOCATION CHANNEL Mobile Harbor	REACH DREDGED; STA TO STA Sta 1060+00 to 1120+00		DISPOSAL AREA USE Mobile 102 -SW		QTY DEPOSITED GROSS(CY) 10,540	CUMULATIVE AND QTY DEPOSIT FOR DA(CY) 1,077,715			
		AVG LENGTH OF CUT 6,000 FT		AVG WIDTH OF CUT 400 FT		AVG DIST TO DUMP 23 NM					
CHARACTER OF MATERIAL		DENSITY OF MATERIALS					GMS/LITER 1.045				
		DENSITY OF WATER			1.006		GMS/LITER@ 70 °F				
RIVER/TIDE STAGE		MIN 1	TIME 00:00	MAX 0	TIME 00:00	GAGE LOCATION Fowl River					
		MIN 2	TIME 00:00	MAX 0	TIME 00:00	GAGE DATUM MLLW					
WEATHER CONDITION		WEATHER		TEMP (min / max)		VISIBILITY		WIND			
		Weather Caused No Delay		74 °F / 84 °F		10		29			
DRAFT					DISTRIBUTION OF TIME AND MILES RUN						
FORWARD		LIGHT		LOADED				AGITATING (MIN)	DREDGE & HAUL (MIN)	MILES RUN (NAUT MI)	
		8		15				EFFECTIVE WORKING TIME:			
AFT											
		10		16							
DRAG DEPTH MAX 49 MIN 44					PUMPING:		00:00	02:19	0.0		
INDICATORS LAST CHECKED ON 04/17/2016					TURNING:		00:00	00:24	0.0		
					TO DUMP:		00:00	11:20	0.0		
AVERAGE SPEED OF DREDGE DURING LOADING				FT/MIN	CONNECTING:		00:00	00:00	0.0		
				2	DUMPING:		00:00	00:16	0.0		
AVERAGE SPEED OF DREDGE DURING AGITATING				FT/MIN	DISCONNECTING:		00:00	00:00	0.0		
				0	TO CUT:		00:00	09:41	0.0		
GALLONS OF FUEL OIL CONSUMED				GAL	TOTALS:		00:00	24:00	0.0		
				2,379	NON-EFFECTIVE WORKING TIME:						
GALLONS OF WATER CONSUMED				GAL	TAKING ON FUEL AND SUPPLIES:		00:00	00:00	0.0		
				561	TO AND FROM WHARF OR ANCHORAGE:		00:00	00:00	0.0		
WORK PERFORMED					LOSS DUE TO NATURAL ELEMENTS:		00:00	00:00	0.0		
DREDGING AND HAULING				AGITATING		LOSS DUE TO TRAFFIC AND BRIDGES		00:00	00:00	0.0	
NO. OF LOADS	TOTAL CYS	DISPOSAL AREA		TOTAL CYS		MINOR OPERATING REPAIRS:		00:00	00:00	0.0	
5	10,540	Mobile 102-SW		0		TRANSFERRING BETWEEN WORKS:		00:00	00:00	0.0	
						LAY TIME:		00:00	00:00	0.0	
						FIRE AND BOAT DRILLS:		00:00	00:00	0.0	
ATTENDANT PLANT					MISCELLANEOUS:		00:00	00:00	0.0		
ITEM	NAME OR NUMBER		H.P.	HOURS	TOTALS:		00:00	00:00	0.0		
40' Crewboat	Cape Anne		400	12:00	LOST TIME:						
					MAJOR REPAIRS AND ALTERATIONS:		00:00	00:00	0.0		
					CESSATION:		00:00	00:00	0.0		
					COLLISIONS:		00:00	00:00	0.0		
					TOTALS:		00:00	00:00	0.0		
					TOTAL TIME/MILES:		00:00	24:00	0.0		

QUALITY CONTROL REPORT-HOPPER DREDGE					PAGE NO. Page 238 of 494	
CONTRACT NO. W91278-16-D-0041 0001		CONTRACT TITLE IDIQ Rental Hopper Dredge in Mobile		CONTRACTOR Dutra Dredging Company		REPORT NO. 116
DREDGE		NAME AND TYPE M/V Columbia			DATE 27 May 2016 - Friday	
LOADS						
LOAD NUMBER	DREDGING AREA DISPOSAL AREA	START TIME STOP TIME (HH:MM)	PUMPING TURNING (MIN)	TO DUMP DUMPING TO CUT (MIN)	TOTAL TIME DREDGED AMOUNT AGITATED AMOUNT (MIN/CYS)	
1	Sta 1060+00 to 1120+00 Mobile 102-SW	00:00 00:40	32 8	137 4 77	258 2,635 0	
2	Sta 1060+00 to 1120+00 Mobile 102-SW	04:18 04:46	28 0	147 4 120	299 2,635 0	
3	Sta 1060+00 to 1120+00 Mobile 102-SW	09:17 09:45	22 6	137 4 122	291 2,635 0	
4	Sta 1060+00 to 1120+00 Mobile 102-SW	14:08 14:50	32 10	123 4 129	298 2,635 0	
5	Sta 1060+00 to 1120+00 Mobile 102-SW	19:06 19:31	25 0	136 0 133	294 0 0	
QC NARRATIVE(S) GENERAL COMMENTS 1440 Minutes @ 100%						

QUALITY CONTROL REPORT-HOPPER DREDGE										PAGE NO. Page 239 of 494	
CONTRACT NO. W91278-16-D-0041 0001		CONTRACT TITLE IDIQ Rental Hopper Dredge in Mobile					CONTRACTOR Dutra Dredging Company			REPORT NO. 117	
CHARACTER OF REPORT		<input checked="" type="checkbox"/> MAINTENANCE <input type="checkbox"/> NEW WORK							DATE 28 May 2016 - Saturday		
DREDGE (M/V Columbia)		HOPPER CAP: 4,387 CY		AVG VOL OF BIN WATER: 4,387 CY			AVG UNFILLED CAP: 4,387 CY				
		NO. OF CREW MEMBERS	DREDGE 13	OTHER PLANT 5	WORK SCHEDULE	SHIFTS PER DAY 2	DAYS PER WEEK 7				
LOCATION OF WORK		LOCATION CHANNEL Mobile Harbor	REACH DREDGED; STA TO STA Sta 1060+00 to 1120+00			DISPOSAL AREA USE Mobile 102 -SW	QTY DEPOSITED GROSS(CY) 13,175	CUMULATIVE AND QTY DEPOSIT FOR DA(CY) 1,090,890			
		AVG LENGTH OF CUT 6,000 FT		AVG WIDTH OF CUT 400 FT		AVG DIST TO DUMP 23 NM					
CHARACTER OF MATERIAL		DENSITY OF MATERIALS						GMS/LITER 1.045			
		DENSITY OF WATER			1.006			GMS/LITER@ 70 °F			
RIVER/TIDE STAGE		MIN 1	TIME 00:00	MAX 0	TIME 00:00	GAGE LOCATION Fowl River					
		MIN 1	TIME 00:00	MAX 0	TIME 00:00	GAGE DATUM MLLW					
WEATHER CONDITION		WEATHER Weather Caused No Delay			TEMP (min / max) 72 °F / 84 °F		VISIBILITY 10	WIND 20			
DRAFT					DISTRIBUTION OF TIME AND MILES RUN						
FORWARD	LIGHT		LOADED				AGITATING (MIN)	DREDGE & HAUL (MIN)	MILES RUN (NAUT MI)		
	8		15		EFFECTIVE WORKING TIME:						
AFT	10		16		PUMPING:		00:00	02:18	0.0		
DRAG DEPTH MAX 49 MIN 44 INDICATORS LAST CHECKED ON 04/17/2016 AVERAGE SPEED OF DREDGE DURING LOADING FT/MIN 2 AVERAGE SPEED OF DREDGE DURING AGITATING FT/MIN 0 GALLONS OF FUEL OIL CONSUMED GAL 2,997 GALLONS OF WATER CONSUMED GAL 749					TURNING:		00:00	00:12	0.0		
					TO DUMP:		00:00	10:09	0.0		
					CONNECTING:		00:00	00:00	0.0		
					DUMPING:		00:00	00:20	0.0		
					DISCONNECTING:		00:00	00:00	0.0		
					TO CUT:		00:00	11:01	0.0		
					TOTALS:		00:00	24:00	0.0		
WORK PERFORMED					NON-EFFECTIVE WORKING TIME:						
DREDGING AND HAULING				AGITATING		TAKING ON FUEL AND SUPPLIES:		00:00	00:00	0.0	
NO. OF LOADS	TOTAL CYS	DISPOSAL AREA	TOTAL CYS		TO AND FROM WHARF OR ANCHORAGE:		00:00	00:00	0.0		
6	13,175	Mobile 102-SW	0		LOSS DUE TO NATURAL ELEMENTS:		00:00	00:00	0.0		
					LOSS DUE TO TRAFFIC AND BRIDGES		00:00	00:00	0.0		
					MINOR OPERATING REPAIRS:		00:00	00:00	0.0		
					TRANSFERRING BETWEEN WORKS:		00:00	00:00	0.0		
ATTENDANT PLANT					LAY TIME:		00:00	00:00	0.0		
					FIRE AND BOAT DRILLS:		00:00	00:00	0.0		
ITEM	NAME OR NUMBER		H.P.	HOURS	MISCELLANEOUS:		00:00	00:00	0.0		
40' Crewboat	Cape Anne		400	12:00	TOTALS:		00:00	00:00	0.0		
					LOST TIME:						
					MAJOR REPAIRS AND ALTERATIONS:		00:00	00:00	0.0		
					CESSATION:		00:00	00:00	0.0		
					COLLISIONS:		00:00	00:00	0.0		
					TOTALS:		00:00	00:00	0.0		
					TOTAL TIME/MILES:		00:00	24:00	0.0		

QUALITY CONTROL REPORT-HOPPER DREDGE			PAGE NO. Page 240 of 494
CONTRACT NO. W91278-16-D-0041 0001	CONTRACT TITLE IDIQ Rental Hopper Dredge in Mobile	CONTRACTOR Dutra Dredging Company	REPORT NO. 117
DREDGE	NAME AND TYPE M/V Columbia		DATE 28 May 2016 - Saturday

LOADS					
LOAD NUMBER	DREDGING AREA DISPOSAL AREA	START TIME STOP TIME (HH:MM)	PUMPING TURNING (MIN)	TO DUMP DUMPING TO CUT (MIN)	TOTAL TIME DREDGED AMOUNT AGITATED AMOUNT (MIN/CYS)
1	Sta 1060+00 to 1120+00 Mobile 102-SW	00:00 00:01	1 0	0 4 0	5 2,635 0
2	Sta 1060+00 to 1120+00 Mobile 102-SW	00:05 00:33	28 0	140 4 134	306 2,635 0
3	Sta 1060+00 to 1120+00 Mobile 102-SW	05:11 05:40	29 0	131 4 131	295 2,635 0
4	Sta 1060+00 to 1120+00 Mobile 102-SW	10:06 10:37	31 0	130 4 133	298 2,635 0
5	Sta 1060+00 to 1120+00 Mobile 102-SW	15:04 15:35	25 6	117 4 130	282 2,635 0
6	Sta 1060+00 to 1120+00 Mobile 102-SW	19:46 20:16	24 6	91 0 133	254 0 0

QC NARRATIVE(S)

GENERAL COMMENTS

1440 Minutes @ 100%

QUALITY CONTROL REPORT-HOPPER DREDGE										PAGE NO. Page 241 of 494		
CONTRACT NO. W91278-16-D-0041 0001		CONTRACT TITLE IDIQ Rental Hopper Dredge in Mobile					CONTRACTOR Dutra Dredging Company			REPORT NO. 118		
CHARACTER OF REPORT		<input checked="" type="checkbox"/> MAINTENANCE <input type="checkbox"/> NEW WORK							DATE 29 May 2016 - Sunday			
DREDGE (M/V Columbia)		HOPPER CAP: 4,387 CY		AVG VOL OF BIN WATER: 4,387 CY		AVG UNFILLED CAP: 4,387 CY						
		NO. OF CREW MEMBERS	DREDGE 13	OTHER PLANT 5	WORK SCHEDULE	SHIFTS PER DAY 2	DAYS PER WEEK 7					
LOCATION OF WORK		LOCATION CHANNEL Mobile Harbor		REACH DREDGED; STA TO STA Sta 1060+00 to 1120+00		DISPOSAL AREA USE Mobile 102 -SW		QTY DEPOSITED GROSS(CY) 13,175	CUMULATIVE AND QTY DEPOSIT FOR DA(CY) 1,104,065			
		AVG LENGTH OF CUT 6,000 FT		AVG WIDTH OF CUT 400 FT		AVG DIST TO DUMP 23 NM						
CHARACTER OF MATERIAL		DENSITY OF MATERIALS						GMS/LITER 1.045				
		DENSITY OF WATER			1.006			GMS/LITER@ 70 °F				
RIVER/TIDE STAGE		MIN 0	TIME 00:00	MAX 0	TIME 00:00	GAGE LOCATION Fowl River						
		MIN 1	TIME 00:00	MAX 0	TIME 00:00	GAGE DATUM MLLW						
WEATHER CONDITION		WEATHER Weather Caused No Delay			TEMP (min / max) 71 °F / 90 °F		VISIBILITY 10		WIND 28			
DRAFT					DISTRIBUTION OF TIME AND MILES RUN							
FORWARD		LIGHT		LOADED				AGITATING (MIN)	DREDGE & HAUL (MIN)	MILES RUN (NAUT MI)		
		8		15		EFFECTIVE WORKING TIME:						
AFT						PUMPING:						
		10		16		00:00 02:09 0.0						
DRAG DEPTH MAX 49 MIN 44					TURNING:					00:00 00:24 0.0		
INDICATORS LAST CHECKED ON 04/17/2016					TO DUMP:					00:00 10:24 0.0		
AVERAGE SPEED OF DREDGE DURING LOADING				FT/MIN	CONNECTING:					00:00 00:00 0.0		
				2	DUMPING:					00:00 00:20 0.0		
AVERAGE SPEED OF DREDGE DURING AGITATING				FT/MIN	DISCONNECTING:					00:00 00:00 0.0		
				0	TO CUT:					00:00 10:43 0.0		
GALLONS OF FUEL OIL CONSUMED				GAL	TOTALS:					00:00 24:00 0.0		
				3,562	NON-EFFECTIVE WORKING TIME:							
GALLONS OF WATER CONSUMED				GAL	TAKING ON FUEL AND SUPPLIES:					00:00 00:00 0.0		
				560	TO AND FROM WHARF OR ANCHORAGE:					00:00 00:00 0.0		
WORK PERFORMED					LOSS DUE TO NATURAL ELEMENTS:					00:00 00:00 0.0		
DREDGING AND HAULING				AGITATING		LOSS DUE TO TRAFFIC AND BRIDGES					00:00 00:00 0.0	
NO. OF LOADS	TOTAL CYS	DISPOSAL AREA		TOTAL CYS		MINOR OPERATING REPAIRS:					00:00 00:00 0.0	
6	13,175	Mobile 102-SW		0		TRANSFERRING BETWEEN WORKS:					00:00 00:00 0.0	
						LAY TIME:					00:00 00:00 0.0	
						FIRE AND BOAT DRILLS:					00:00 00:00 0.0	
ATTENDANT PLANT					MISCELLANEOUS:					00:00 00:00 0.0		
ITEM	NAME OR NUMBER			H.P.	HOURS	TOTALS:					00:00 00:00 0.0	
40' Crewboat	Cape Anne			400	12:00	LOST TIME:						
						MAJOR REPAIRS AND ALTERATIONS:					00:00 00:00 0.0	
						CESSATION:					00:00 00:00 0.0	
						COLLISIONS:					00:00 00:00 0.0	
						TOTALS:					00:00 00:00 0.0	
						TOTAL TIME/MILES:					00:00 24:00 0.0	

QUALITY CONTROL REPORT-HOPPER DREDGE			PAGE NO. Page 242 of 494
CONTRACT NO. W91278-16-D-0041 0001	CONTRACT TITLE IDIQ Rental Hopper Dredge in Mobile	CONTRACTOR Dutra Dredging Company	REPORT NO. 118
DREDGE	NAME AND TYPE M/V Columbia	DATE 29 May 2016 - Sunday	

LOADS					
LOAD NUMBER	DREDGING AREA DISPOSAL AREA	START TIME STOP TIME (HH:MM)	PUMPING TURNING (MIN)	TO DUMP DUMPING TO CUT (MIN)	TOTAL TIME DREDGED AMOUNT AGITATED AMOUNT (MIN/CYS)
1	Sta 1060+00 to 1120+00 Mobile 102-SW	00:00 00:01	1 0	32 4 0	37 2,635 0
2	Sta 1060+00 to 1120+00 Mobile 102-SW	00:37 01:13	30 6	132 4 131	303 2,635 0
3	Sta 1060+00 to 1120+00 Mobile 102-SW	05:40 06:09	23 6	126 4 125	284 2,635 0
4	Sta 1060+00 to 1120+00 Mobile 102-SW	10:24 10:54	30 0	129 4 138	301 2,635 0
5	Sta 1060+00 to 1120+00 Mobile 102-SW	15:25 15:53	22 6	124 4 124	280 2,635 0
6	Sta 1060+00 to 1120+00 Mobile 102-SW	20:05 20:34	23 6	81 0 125	235 0 0

QC NARRATIVE(S)

GENERAL COMMENTS

1440 Minutes @ 100%

QUALITY CONTROL REPORT-HOPPER DREDGE										PAGE NO. Page 243 of 494						
CONTRACT NO. W91278-16-D-0041 0001		CONTRACT TITLE IDIQ Rental Hopper Dredge in Mobile					CONTRACTOR Dutra Dredging Company			REPORT NO. 119						
CHARACTER OF REPORT		<input checked="" type="checkbox"/> MAINTENANCE <input type="checkbox"/> NEW WORK							DATE 30 May 2016 - Monday							
DREDGE (M/V Columbia)		HOPPER CAP: 4,387 CY		AVG VOL OF BIN WATER: 4,387 CY		AVG UNFILLED CAP: 4,387 CY										
		NO. OF CREW MEMBERS	DREDGE 13	OTHER PLANT 5	WORK SCHEDULE	SHIFTS PER DAY 2	DAYS PER WEEK 7									
LOCATION OF WORK		LOCATION CHANNEL Mobile Harbor		REACH DREDGED; STA TO STA Sta 1060+00 to 1120+00		DISPOSAL AREA USE Mobile 102 -SW		QTY DEPOSITED GROSS(CY) 13,175		CUMULATIVE AND QTY DEPOSIT FOR DA(CY) 1,117,240						
		AVG LENGTH OF CUT 6,000 FT		AVG WIDTH OF CUT 400 FT		AVG DIST TO DUMP 23 NM										
CHARACTER OF MATERIAL		DENSITY OF MATERIALS						GMS/LITER 1.045								
		DENSITY OF WATER			1.006			GMS/LITER@ 70 °F								
RIVER/TIDE STAGE		MIN 0	TIME 00:00	MAX 0	TIME 00:00	GAGE LOCATION Fowl River										
		MIN 1	TIME 00:00	MAX 0	TIME 00:00	GAGE DATUM MLLW										
WEATHER CONDITION		WEATHER			TEMP (min / max)		VISIBILITY		WIND							
		Weather Caused No Delay			74 °F / 93 °F		10		34							
DRAFT					DISTRIBUTION OF TIME AND MILES RUN											
FORWARD		LIGHT		LOADED				AGITATING (MIN)		DREDGE & HAUL (MIN)		MILES RUN (NAUT MI)				
		8		15		EFFECTIVE WORKING TIME:										
AFT		10		16		PUMPING:		00:00		02:15		0.0				
						TURNING:		00:00		00:24		0.0				
DRAG DEPTH MAX 49 MIN 44					TO DUMP:		00:00		09:47		0.0					
					CONNECTING:		00:00		00:00		0.0					
INDICATORS LAST CHECKED ON 04/17/2016					DUMPING:		00:00		00:20		0.0					
					DISCONNECTING:		00:00		00:00		0.0					
AVERAGE SPEED OF DREDGE DURING LOADING					FT/MIN		2		TO CUT:		00:00		10:59		0.0	
AVERAGE SPEED OF DREDGE DURING AGITATING					FT/MIN		0		TOTALS:		00:00		23:45		0.0	
GALLONS OF FUEL OIL CONSUMED					GAL		2,162		NON-EFFECTIVE WORKING TIME:							
GALLONS OF WATER CONSUMED					GAL		560		TAKING ON FUEL AND SUPPLIES:		00:00		00:00		0.0	
WORK PERFORMED					TO AND FROM WHARF OR ANCHORAGE:		00:00		00:00		0.0					
					LOSS DUE TO NATURAL ELEMENTS:		00:00		00:00		0.0					
DREDGING AND HAULING			AGITATING		LOSS DUE TO TRAFFIC AND BRIDGES		00:00		00:15		0.0					
NO. OF LOADS	TOTAL CYS	DISPOSAL AREA		TOTAL CYS		MINOR OPERATING REPAIRS:		00:00		00:00		0.0				
6	13,175	Mobile 102-SW		0		TRANSFERRING BETWEEN WORKS:		00:00		00:00		0.0				
						LAY TIME:		00:00		00:00		0.0				
						FIRE AND BOAT DRILLS:		00:00		00:00		0.0				
ATTENDANT PLANT					MISCELLANEOUS:		00:00		00:00		0.0					
					TOTALS:		00:00		00:15		0.0					
ITEM		NAME OR NUMBER		H.P.	HOURS	LOST TIME:										
40' Crewboat		Cape Anne		400	12:00	MAJOR REPAIRS AND ALTERATIONS:		00:00		00:00		0.0				
						CESSATION:		00:00		00:00		0.0				
						COLLISIONS:		00:00		00:00		0.0				
						TOTALS:		00:00		00:00		0.0				
						TOTAL TIME/MILES:		00:00		24:00		0.0				

QUALITY CONTROL REPORT-HOPPER DREDGE			PAGE NO. Page 244 of 494
CONTRACT NO. W91278-16-D-0041 0001	CONTRACT TITLE IDIQ Rental Hopper Dredge in Mobile	CONTRACTOR Dutra Dredging Company	REPORT NO. 119
DREDGE	NAME AND TYPE M/V Columbia	DATE 30 May 2016 - Monday	

LOADS					
LOAD NUMBER	DREDGING AREA DISPOSAL AREA	START TIME STOP TIME (HH:MM)	PUMPING TURNING (MIN)	TO DUMP DUMPING TO CUT (MIN)	TOTAL TIME DREDGED AMOUNT AGITATED AMOUNT (MIN/CYS)
1	Sta 1060+00 to 1120+00 Mobile 102-SW	00:00 00:01	1 0	43 4 0	48 2,635 0
2	Sta 1060+00 to 1120+00 Mobile 102-SW	00:48 01:22	28 6	122 4 148	308 2,635 0
3	Sta 1060+00 to 1120+00 Mobile 102-SW	06:11 06:40	23 6	127 4 118	278 2,635 0
4	Sta 1060+00 to 1120+00 Mobile 102-SW	10:49 11:19	30 0	130 4 143	307 2,635 0
5	Sta 1060+00 to 1120+00 Mobile 102-SW	15:56 16:29	27 6	128 4 119	284 2,635 0
6	Sta 1060+00 to 1120+00 Mobile 102-SW	20:40 21:12	26 6	37 0 131	200 0 0

QC NARRATIVE(S)

GENERAL COMMENTS

1425 Minutes @ 100%

15 Minutes @ 70% Traffic

QUALITY CONTROL REPORT-HOPPER DREDGE										PAGE NO. Page 245 of 494			
CONTRACT NO. W91278-16-D-0041 0001		CONTRACT TITLE IDIQ Rental Hopper Dredge in Mobile					CONTRACTOR Dutra Dredging Company			REPORT NO. 120			
CHARACTER OF REPORT		<input checked="" type="checkbox"/> MAINTENANCE <input type="checkbox"/> NEW WORK							DATE 31 May 2016 - Tuesday				
DREDGE (M/V Columbia)		HOPPER CAP: 4,387 CY		AVG VOL OF BIN WATER: 4,387 CY		AVG UNFILLED CAP: 4,387 CY							
		NO. OF CREW MEMBERS	DREDGE 13	OTHER PLANT 5	WORK SCHEDULE	SHIFTS PER DAY 2	DAYS PER WEEK 7						
LOCATION OF WORK		LOCATION CHANNEL Mobile Harbor		REACH DREDGED; STA TO STA Sta 1060+00 to 1120+00		DISPOSAL AREA USE Mobile 102 -SW		QTY DEPOSITED GROSS(CY) 13,175		CUMULATIVE AND QTY DEPOSIT FOR DA(CY) 1,130,415			
		AVG LENGTH OF CUT 6,000 FT		AVG WIDTH OF CUT 400 FT		AVG DIST TO DUMP 23 NM							
CHARACTER OF MATERIAL		DENSITY OF MATERIALS						GMS/LITER 1.045					
		DENSITY OF WATER			1.006			GMS/LITER@ 70 °F					
RIVER/TIDE STAGE		MIN 1	TIME 00:00	MAX 0	TIME 00:00	GAGE LOCATION Fowl River							
		MIN 0	TIME 00:00	MAX 0	TIME 00:00	GAGE DATUM MLLW							
WEATHER CONDITION		WEATHER Weather Caused No Delay			TEMP (min / max) 74 °F / 90 °F		VISIBILITY 10		WIND 29				
DRAFT					DISTRIBUTION OF TIME AND MILES RUN								
FORWARD		LIGHT		LOADED				AGITATING (MIN)		DREDGE & HAUL (MIN)		MILES RUN (NAUT MI)	
		8		15		EFFECTIVE WORKING TIME:							
AFT		10		16		PUMPING:		00:00		02:03		0.0	
						TURNING:		00:00		00:19		0.0	
DRAG DEPTH MAX 49 MIN 44					TO DUMP:		00:00		10:15		0.0		
					CONNECTING:		00:00		00:00		0.0		
INDICATORS LAST CHECKED ON 04/17/2016					DUMPING:		00:00		00:40		0.0		
					DISCONNECTING:		00:00		00:00		0.0		
AVERAGE SPEED OF DREDGE DURING LOADING						TO CUT:		00:00		08:18		0.0	
AVERAGE SPEED OF DREDGE DURING AGITATING						TOTALS:		00:00		21:35		0.0	
GALLONS OF FUEL OIL CONSUMED						NON-EFFECTIVE WORKING TIME:							
GALLONS OF WATER CONSUMED				896		TAKING ON FUEL AND SUPPLIES:		00:00		00:00		0.0	
WORK PERFORMED					TO AND FROM WHARF OR ANCHORAGE:		00:00		00:00		0.0		
DREDGING AND HAULING				AGITATING		LOSS DUE TO NATURAL ELEMENTS:		00:00		00:00		0.0	
NO. OF LOADS	TOTAL CYS	DISPOSAL AREA		TOTAL CYS		LOSS DUE TO TRAFFIC AND BRIDGES		00:00		01:20		0.0	
6	13,175	Mobile 102-SW		0		MINOR OPERATING REPAIRS:		00:00		01:05		0.0	
						TRANSFERRING BETWEEN WORKS:		00:00		00:00		0.0	
						LAY TIME:		00:00		00:00		0.0	
						FIRE AND BOAT DRILLS:		00:00		00:00		0.0	
ATTENDANT PLANT					MISCELLANEOUS:		00:00		00:00		0.0		
ITEM		NAME OR NUMBER		H.P.	HOURS	TOTALS:		00:00		02:25		0.0	
40' Crewboat		Cape Anne		400	12:00	LOST TIME:							
						MAJOR REPAIRS AND ALTERATIONS:		00:00		00:00		0.0	
						CESSATION:		00:00		00:00		0.0	
						COLLISIONS:		00:00		00:00		0.0	
						TOTALS:		00:00		00:00		0.0	
						TOTAL TIME/MILES:		00:00		24:00		0.0	

QUALITY CONTROL REPORT-HOPPER DREDGE					PAGE NO. <div>Page 246 of 494</div>	
CONTRACT NO. W91278-16-D-0041 0001		CONTRACT TITLE IDIQ Rental Hopper Dredge in Mobile		CONTRACTOR Dutra Dredging Company		REPORT NO. 120
DREDGE		NAME AND TYPE M/V Columbia			DATE 31 May 2016 - Tuesday	
LOADS						
LOAD NUMBER	DREDGING AREA DISPOSAL AREA	START TIME STOP TIME (HH:MM)	PUMPING TURNING (MIN)	TO DUMP DUMPING TO CUT (MIN)	TOTAL TIME DREDGED AMOUNT AGITATED AMOUNT (MIN/CYS)	
1	Sta 1060+00 to 1120+00 Mobile 102-SW	00:00 00:01	1 0	91 24 0	116 2,635 0	
2	Sta 1060+00 to 1120+00 Mobile 102-SW	01:56 02:36	34 6	130 4 133	307 2,635 0	
3	Sta 1060+00 to 1120+00 Mobile 102-SW	08:08 08:37	29 0	139 4 124	296 2,635 0	
4	Sta 1060+00 to 1120+00 Mobile 102-SW	14:24 15:01	30 7	125 4 121	287 2,635 0	
5	Sta 1060+00 to 1120+00 Mobile 102-SW	19:11 19:45	28 6	130 4 117	285 2,635 0	
6	Sta 1060+00 to 1120+00 Mobile 102-SW	23:56 23:57	1 0	0 0 3	4 0 0	
QC NARRATIVE(S) GENERAL COMMENTS 1295 Minutes @ 100% 80 Minutes @ 70% Traffic 65 Minutes @ 0% Minor Repairs						

QUALITY CONTROL REPORT-HOPPER DREDGE										PAGE NO. Page 247 of 494								
CONTRACT NO. W91278-16-D-0041 0001		CONTRACT TITLE IDIQ Rental Hopper Dredge in Mobile					CONTRACTOR Dutra Dredging Company			REPORT NO. 121								
CHARACTER OF REPORT		<input checked="" type="checkbox"/> MAINTENANCE <input type="checkbox"/> NEW WORK							DATE 01 Jun 2016 - Wednesday									
DREDGE (M/V Columbia)		HOPPER CAP: 4,387 CY		AVG VOL OF BIN WATER: 4,387 CY		AVG UNFILLED CAP: 4,387 CY												
		NO. OF CREW MEMBERS	DREDGE 13	OTHER PLANT 5	WORK SCHEDULE	SHIFTS PER DAY 2	DAYS PER WEEK 7											
LOCATION OF WORK		LOCATION CHANNEL Mobile Harbor		REACH DREDGED; STA TO STA Sta 1060+00 to 1120+00		DISPOSAL AREA USE Mobile 102 -SW		QTY DEPOSITED GROSS(CY) 13,175		CUMULATIVE AND QTY DEPOSIT FOR DA(CY) 1,143,590								
		AVG LENGTH OF CUT 6,000 FT		AVG WIDTH OF CUT 400 FT		AVG DIST TO DUMP 23 NM												
CHARACTER OF MATERIAL		DENSITY OF MATERIALS						GMS/LITER 1.045										
		DENSITY OF WATER				1.006		GMS/LITER@ 70 °F										
RIVER/TIDE STAGE		MIN 1	TIME 00:00	MAX 0	TIME 00:00	GAGE LOCATION Fowl River												
		MIN 1	TIME 00:00	MAX 0	TIME 00:00	GAGE DATUM MLLW												
WEATHER CONDITION		WEATHER			TEMP (min / max)		VISIBILITY		WIND									
		Weather Caused No Delay			72 °F / 87 °F		10		28									
DRAFT					DISTRIBUTION OF TIME AND MILES RUN													
FORWARD		LIGHT		LOADED				AGITATING (MIN)		DREDGE & HAUL (MIN)		MILES RUN (NAUT MI)						
		8		15		EFFECTIVE WORKING TIME:												
AFT		10		16		PUMPING:		00:00		02:01		0.0						
						TURNING:		00:00		00:24		0.0						
DRAG DEPTH MAX 49 MIN 44					TO DUMP:		00:00		10:43		0.0							
					CONNECTING:		00:00		00:00		0.0							
INDICATORS LAST CHECKED ON 04/17/2016					DUMPING:		00:00		00:20		0.0							
					DISCONNECTING:		00:00		00:00		0.0							
AVERAGE SPEED OF DREDGE DURING LOADING							FT/MIN		2		TO CUT:		00:00		10:32		0.0	
AVERAGE SPEED OF DREDGE DURING AGITATING							FT/MIN		0		TOTALS:		00:00		24:00		0.0	
GALLONS OF FUEL OIL CONSUMED							GAL		2,514		NON-EFFECTIVE WORKING TIME:							
GALLONS OF WATER CONSUMED							GAL		784		TAKING ON FUEL AND SUPPLIES:		00:00		00:00		0.0	
WORK PERFORMED											TO AND FROM WHARF OR ANCHORAGE:		00:00		00:00		0.0	
													LOSS DUE TO NATURAL ELEMENTS:		00:00		00:00	
DREDGING AND HAULING											LOSS DUE TO TRAFFIC AND BRIDGES		00:00		00:00		0.0	
NO. OF LOADS		TOTAL CYS		DISPOSAL AREA		TOTAL CYS				MINOR OPERATING REPAIRS:		00:00		00:00		0.0		
6		13,175		Mobile 102-SW		0				TRANSFERRING BETWEEN WORKS:		00:00		00:00		0.0		
										LAY TIME:		00:00		00:00		0.0		
										FIRE AND BOAT DRILLS:		00:00		00:00		0.0		
ATTENDANT PLANT											MISCELLANEOUS:		00:00		00:00		0.0	
													TOTALS:		00:00		00:00	
ITEM		NAME OR NUMBER			H.P.		HOURS		LOST TIME:									
40' Crewboat		Cape Anne			400		12:00				MAJOR REPAIRS AND ALTERATIONS:		00:00		00:00		0.0	
											CESSATION:		00:00		00:00		0.0	
											COLLISIONS:		00:00		00:00		0.0	
											TOTALS:		00:00		00:00		0.0	
											TOTAL TIME/MILES:		00:00		24:00		0.0	

QUALITY CONTROL REPORT-HOPPER DREDGE					PAGE NO. <div>Page 248 of 494</div>	
CONTRACT NO. W91278-16-D-0041 0001		CONTRACT TITLE IDIQ Rental Hopper Dredge in Mobile		CONTRACTOR Dutra Dredging Company		REPORT NO. 121
DREDGE		NAME AND TYPE M/V Columbia			DATE 01 Jun 2016 - Wednesday	
LOADS						
LOAD NUMBER	DREDGING AREA DISPOSAL AREA	START TIME STOP TIME (HH:MM)	PUMPING TURNING (MIN)	TO DUMP DUMPING TO CUT (MIN)	TOTAL TIME DREDGED AMOUNT AGITATED AMOUNT (MIN/CYS)	
1	Sta 1060+00 to 1120+00 Mobile 102-SW	00:00 00:34	28 6	130 4 118	286 2,635 0	
2	Sta 1060+00 to 1120+00 Mobile 102-SW	04:46 05:13	21 6	127 4 125	283 2,635 0	
3	Sta 1060+00 to 1120+00 Mobile 102-SW	09:29 09:57	22 6	122 4 118	272 2,635 0	
4	Sta 1060+00 to 1120+00 Mobile 102-SW	14:01 14:27	26 0	130 4 127	287 2,635 0	
5	Sta 1060+00 to 1120+00 Mobile 102-SW	18:48 19:17	23 6	134 4 122	289 2,635 0	
6	Sta 1060+00 to 1120+00 Mobile 102-SW	23:37 23:38	1 0	0 0 22	23 0 0	
QC NARRATIVE(S) GENERAL COMMENTS 1440 Minutes @ 100%						

QUALITY CONTROL REPORT-HOPPER DREDGE										PAGE NO. Page 249 of 494								
CONTRACT NO. W91278-16-D-0041 0001		CONTRACT TITLE IDIQ Rental Hopper Dredge in Mobile					CONTRACTOR Dutra Dredging Company			REPORT NO. 122								
CHARACTER OF REPORT		<input checked="" type="checkbox"/> MAINTENANCE <input type="checkbox"/> NEW WORK							DATE 02 Jun 2016 - Thursday									
DREDGE (M/V Columbia)		HOPPER CAP: 4,387 CY		AVG VOL OF BIN WATER: 4,387 CY		AVG UNFILLED CAP: 4,387 CY												
		NO. OF CREW MEMBERS	DREDGE 13	OTHER PLANT 5	WORK SCHEDULE	SHIFTS PER DAY 2	DAYS PER WEEK 7											
LOCATION OF WORK		LOCATION CHANNEL Mobile Harbor		REACH DREDGED; STA TO STA Sta 760+00 to 820+00		DISPOSAL AREA USE Mobile 102 -SW		QTY DEPOSITED GROSS(CY) 10,540		CUMULATIVE AND QTY DEPOSIT FOR DA(CY) 1,154,130								
		AVG LENGTH OF CUT 6,000 FT		AVG WIDTH OF CUT 400 FT		AVG DIST TO DUMP 27 NM												
CHARACTER OF MATERIAL		DENSITY OF MATERIALS						GMS/LITER 1.045										
		DENSITY OF WATER			1.006			GMS/LITER@ 70 °F										
RIVER/TIDE STAGE		MIN 1	TIME 00:00	MAX 0	TIME 00:00	GAGE LOCATION Dog River												
		MIN 1	TIME 00:00	MAX 0	TIME 00:00	GAGE DATUM MLLW												
WEATHER CONDITION		WEATHER			TEMP (min / max)		VISIBILITY		WIND									
		Weather Caused No Delay			75 °F / 86 °F		10		32									
DRAFT					DISTRIBUTION OF TIME AND MILES RUN													
FORWARD		LIGHT		LOADED				AGITATING (MIN)		DREDGE & HAUL (MIN)		MILES RUN (NAUT MI)						
		8		15		EFFECTIVE WORKING TIME:												
AFT		10		16		PUMPING:		00:00		01:57		0.0						
						TURNING:		00:00		00:00		0.0						
DRAG DEPTH MAX 49 MIN 44					TO DUMP:		00:00		10:49		0.0							
					CONNECTING:		00:00		00:00		0.0							
INDICATORS LAST CHECKED ON 04/17/2016					DUMPING:		00:00		00:16		0.0							
					DISCONNECTING:		00:00		00:00		0.0							
AVERAGE SPEED OF DREDGE DURING LOADING							FT/MIN		2		TO CUT:		00:00		10:58		0.0	
AVERAGE SPEED OF DREDGE DURING AGITATING							FT/MIN		0		TOTALS:		00:00		24:00		0.0	
GALLONS OF FUEL OIL CONSUMED							GAL		2,234		NON-EFFECTIVE WORKING TIME:							
GALLONS OF WATER CONSUMED							GAL		560		TAKING ON FUEL AND SUPPLIES:		00:00		00:00		0.0	
WORK PERFORMED											TO AND FROM WHARF OR ANCHORAGE:		00:00		00:00		0.0	
													LOSS DUE TO NATURAL ELEMENTS:		00:00		00:00	
DREDGING AND HAULING				AGITATING						LOSS DUE TO TRAFFIC AND BRIDGES		00:00		00:00		0.0		
NO. OF LOADS		TOTAL CYS		DISPOSAL AREA		TOTAL CYS				MINOR OPERATING REPAIRS:		00:00		00:00		0.0		
5		10,540		Mob ile 102-SW		0				TRANSFERRING BETWEEN WORKS:		00:00		00:00		0.0		
										LAY TIME:		00:00		00:00		0.0		
										FIRE AND BOAT DRILLS:		00:00		00:00		0.0		
ATTENDANT PLANT											MISCELLANEOUS:		00:00		00:00		0.0	
													TOTALS:		00:00		00:00	
ITEM		NAME OR NUMBER			H.P.		HOURS		LOST TIME:									
40' Crewboat		Cape Anne			400		12:00				MAJOR REPAIRS AND ALTERATIONS:		00:00		00:00		0.0	
											CESSATION:		00:00		00:00		0.0	
											COLLISIONS:		00:00		00:00		0.0	
											TOTALS:		00:00		00:00		0.0	
											TOTAL TIME/MILES:		00:00		24:00		0.0	

QUALITY CONTROL REPORT-HOPPER DREDGE					PAGE NO. Page 250 of 494	
CONTRACT NO. W91278-16-D-0041 0001		CONTRACT TITLE IDIQ Rental Hopper Dredge in Mobile		CONTRACTOR Dutra Dredging Company		REPORT NO. 122
DREDGE		NAME AND TYPE M/V Columbia			DATE 02 Jun 2016 - Thursday	
LOADS						
LOAD NUMBER	DREDGING AREA DISPOSAL AREA	START TIME STOP TIME (HH:MM)	PUMPING TURNING (MIN)	TO DUMP DUMPING TO CUT (MIN)	TOTAL TIME DREDGED AMOUNT AGITATED AMOUNT (MIN/CYS)	
1	Sta 760+00 to 820+00 Mob ile 102-SW	00:00 00:27	27 0	168 4 135	334 2,635 0	
2	Sta 760+00 to 820+00 Mob ile 102-SW	05:34 06:07	33 0	159 4 151	347 2,635 0	
3	Sta 760+00 to 820+00 Mob ile 102-SW	11:21 11:48	27 0	163 4 155	349 2,635 0	
4	Sta 760+00 to 820+00 Mob ile 102-SW	17:10 17:39	29 0	159 4 163	355 2,635 0	
5	Sta 760+00 to 820+00 Mob ile 102-SW	23:05 23:06	1 0	0 0 54	55 0 0	
QC NARRATIVE(S) GENERAL COMMENTS 1440 Minutes @ 100%						

QUALITY CONTROL REPORT-HOPPER DREDGE										PAGE NO. Page 251 of 494	
CONTRACT NO. W91278-16-D-0041 0001		CONTRACT TITLE IDIQ Rental Hopper Dredge in Mobile					CONTRACTOR Dutra Dredging Company			REPORT NO. 123	
CHARACTER OF REPORT		<input checked="" type="checkbox"/> MAINTENANCE <input type="checkbox"/> NEW WORK							DATE 03 Jun 2016 - Friday		
DREDGE (M/V Columbia)		HOPPER CAP: 4,387 CY		AVG VOL OF BIN WATER: 4,387 CY		AVG UNFILLED CAP: 4,387 CY					
		NO. OF CREW MEMBERS	DREDGE 13	OTHER PLANT 5	WORK SCHEDULE	SHIFTS PER DAY 2	DAYS PER WEEK 7				
LOCATION OF WORK		LOCATION CHANNEL Mobile Harbor	REACH DREDGED; STA TO STA Sta 760+00 to 820+00		DISPOSAL AREA USE Mobile 102 -SW		QTY DEPOSITED GROSS(CY) 10,540	CUMULATIVE AND QTY DEPOSIT FOR DA(CY) 1,164,670			
		AVG LENGTH OF CUT 6,000 FT		AVG WIDTH OF CUT 400 FT		AVG DIST TO DUMP 27 NM					
CHARACTER OF MATERIAL		DENSITY OF MATERIALS						GMS/LITER 1.045			
		DENSITY OF WATER			1.006			GMS/LITER@ 70 °F			
RIVER/TIDE STAGE		MIN 1	TIME 00:00	MAX 0	TIME 00:00	GAGE LOCATION Dog River					
		MIN 1	TIME 00:00	MAX 0	TIME 00:00	GAGE DATUM MLLW					
WEATHER CONDITION		WEATHER Weather Caused No Delay		TEMP (min / max) 72 °F / 88 °F		VISIBILITY 10		WIND 12			
DRAFT					DISTRIBUTION OF TIME AND MILES RUN						
FORWARD		LIGHT		LOADED				AGITATING (MIN)	DREDGE & HAUL (MIN)	MILES RUN (NAUT MI)	
		8		15		EFFECTIVE WORKING TIME:					
AFT						PUMPING:					
		10		16		00:00		02:05	0.0		
DRAG DEPTH MAX 49 MIN 44					TURNING:		00:00		00:00	0.0	
INDICATORS LAST CHECKED ON 04/17/2016					TO DUMP:		00:00		10:53	0.0	
AVERAGE SPEED OF DREDGE DURING LOADING				FT/MIN	CONNECTING:		00:00		00:00	0.0	
				2	DUMPING:		00:00		00:16	0.0	
AVERAGE SPEED OF DREDGE DURING AGITATING				FT/MIN	DISCONNECTING:		00:00		00:00	0.0	
				0	TO CUT:		00:00		10:36	0.0	
GALLONS OF FUEL OIL CONSUMED				GAL	TOTALS:		00:00		23:50	0.0	
				2,750	NON-EFFECTIVE WORKING TIME:						
GALLONS OF WATER CONSUMED				GAL	TAKING ON FUEL AND SUPPLIES:		00:00		00:00	0.0	
				896	TO AND FROM WHARF OR ANCHORAGE:		00:00		00:00	0.0	
WORK PERFORMED					LOSS DUE TO NATURAL ELEMENTS:		00:00		00:00	0.0	
DREDGING AND HAULING				AGITATING		LOSS DUE TO TRAFFIC AND BRIDGES		00:00		00:10	0.0
NO. OF LOADS	TOTAL CYS	DISPOSAL AREA		TOTAL CYS		MINOR OPERATING REPAIRS:		00:00		00:00	0.0
5	10,540	Mobile 102 SW		0		TRANSFERRING BETWEEN WORKS:		00:00		00:00	0.0
						LAY TIME:		00:00		00:00	0.0
						FIRE AND BOAT DRILLS:		00:00		00:00	0.0
ATTENDANT PLANT					MISCELLANEOUS:		00:00		00:00	0.0	
ITEM	NAME OR NUMBER		H.P.	HOURS	TOTALS:		00:00		00:10	0.0	
40' Crewboat	Cape Anne		400	12:00	LOST TIME:						
					MAJOR REPAIRS AND ALTERATIONS:		00:00		00:00	0.0	
					CESSATION:		00:00		00:00	0.0	
					COLLISIONS:		00:00		00:00	0.0	
					TOTALS:		00:00		00:00	0.0	
					TOTAL TIME/MILES:		00:00		24:00	0.0	

QUALITY CONTROL REPORT-HOPPER DREDGE			PAGE NO. Page 252 of 494
CONTRACT NO. W91278-16-D-0041 0001	CONTRACT TITLE IDIQ Rental Hopper Dredge in Mobile	CONTRACTOR Dutra Dredging Company	REPORT NO. 123
DREDGE	NAME AND TYPE M/V Columbia	DATE 03 Jun 2016 - Friday	

LOADS					
LOAD NUMBER	DREDGING AREA DISPOSAL AREA	START TIME STOP TIME (HH:MM)	PUMPING TURNING (MIN)	TO DUMP DUMPING TO CUT (MIN)	TOTAL TIME DREDGED AMOUNT AGITATED AMOUNT (MIN/CYS)
1	Sta 760+00 to 820+00 Mobile 102 SW	00:00 00:32	32 0	164 4 100	300 2,635 0
2	Sta 760+00 to 820+00 Mobile 102 SW	05:00 05:30	30 0	158 4 155	347 2,635 0
3	Sta 760+00 to 820+00 Mobile 102 SW	10:47 11:17	30 0	160 4 157	351 2,635 0
4	Sta 760+00 to 820+00 Mobile 102 SW	16:48 17:20	32 0	171 4 163	370 2,635 0
5	Sta 760+00 to 820+00 Mobile 102 SW	22:58 22:59	1 0	0 0 61	62 0 0

QC NARRATIVE(S)

GENERAL COMMENTS

1430 Minutes @ 100%

10 Minutes @ 70% Traffic

QUALITY CONTROL REPORT-HOPPER DREDGE										PAGE NO. <div>Page 253 of 494</div>		
CONTRACT NO. W91278-16-D-0041 0001		CONTRACT TITLE IDIQ Rental Hopper Dredge in Mobile				CONTRACTOR Dutra Dredging Company				REPORT NO. 124		
CHARACTER OF REPORT		<input checked="" type="checkbox"/> MAINTENANCE <input type="checkbox"/> NEW WORK								DATE 04 Jun 2016 - Saturday		
DREDGE (M/V Columbia)		HOPPER CAP: 4,387 CY			AVG VOL OF BIN WATER: 4,387 CY			AVG UNFILLED CAP: 4,387 CY				
		NO. OF CREW MEMBERS	DREDGE 13		OTHER PLANT 5	WORK SCHEDULE		SHIFTS PER DAY 2		DAYS PER WEEK 7		
LOCATION OF WORK		LOCATION CHANNEL Mobile Harbor		REACH DREDGED; STA TO STA Sta 760+00 to 820+00			DISPOSAL AREA USE Mobile 102 -SW		QTY DEPOSITED GROSS(CY) 5,270		CUMULATIVE AND QTY DEPOSIT FOR DA(CY) 1,169,940	
		AVG LENGTH OF CUT 6,000 FT			AVG WIDTH OF CUT 400 FT			AVG DIST TO DUMP 27 NM				
CHARACTER OF MATERIAL		DENSITY OF MATERIALS						GMS/LITER 1.045				
		DENSITY OF WATER			1.006			GMS/LITER@ 70 °F				
RIVER/TIDE STAGE		MIN 1	TIME 00:00	MAX 0	TIME 00:00	GAGE LOCATION Dog River						
		MIN 1	TIME 00:00	MAX 0	TIME 00:00	GAGE DATUM MLLW						
WEATHER CONDITION		WEATHER Weather Caused No Delay			TEMP (min / max) 73 °F / 87 °F		VISIBILITY 10		WIND 22			
DRAFT					DISTRIBUTION OF TIME AND MILES RUN							
FORWARD	LIGHT		LOADED				AGITATING (MIN)		DREDGE & HAUL (MIN)		MILES RUN (NAUT MI)	
	8		15									
AFT	10		16		EFFECTIVE WORKING TIME:							
DRAG DEPTH MAX 49 MIN 44							00:00		01:30		0.0	
INDICATORS LAST CHECKED ON 04/17/2016							00:00		00:00		0.0	
AVERAGE SPEED OF DREDGE DURING LOADING					FT/MIN 2		00:00		08:46		0.0	
AVERAGE SPEED OF DREDGE DURING AGITATING					FT/MIN 0		00:00		00:08		0.0	
GALLONS OF FUEL OIL CONSUMED					GAL 2,000		00:00		00:00		0.0	
GALLONS OF WATER CONSUMED					GAL 896		00:00		00:00		0.0	
WORK PERFORMED					NON-EFFECTIVE WORKING TIME:							
DREDGING AND HAULING			AGITATING				00:00		02:05		0.0	
NO. OF LOADS	TOTAL CYS	DISPOSAL AREA		TOTAL CYS			00:00		02:19		0.0	
3	5,270	Mobile 102 SW		0			00:00		00:00		0.0	
							00:00		00:00		0.0	
							00:00		00:00		0.0	
							00:00		00:00		0.0	
ATTENDANT PLANT							00:00		00:00		0.0	
ITEM		NAME OR NUMBER		H.P.	HOURS			00:00		00:00		0.0
40' Crewboat		Cape Anne		400	12:00			00:00		05:55		0.0
						LOST TIME:						
								00:00		00:00		0.0
								00:00		00:00		0.0
								00:00		00:00		0.0
								00:00		00:00		0.0
								00:00		00:00		0.0
								00:00		24:00		0.0
								00:00		00:00		0.0

QUALITY CONTROL REPORT-HOPPER DREDGE			PAGE NO. Page 254 of 494
CONTRACT NO. W91278-16-D-0041 0001	CONTRACT TITLE IDIQ Rental Hopper Dredge in Mobile	CONTRACTOR Dutra Dredging Company	REPORT NO. 124
DREDGE	NAME AND TYPE M/V Columbia	DATE 04 Jun 2016 - Saturday	

LOADS					
LOAD NUMBER	DREDGING AREA DISPOSAL AREA	START TIME STOP TIME (HH:MM)	PUMPING TURNING (MIN)	TO DUMP DUMPING TO CUT (MIN)	TOTAL TIME DREDGED AMOUNT AGITATED AMOUNT (MIN/CYS)
1	Sta 760+00 to 820+00 Mobile 102 SW	00:00 00:32	32 0	178 4 91	305 2,635 0
2	Sta 760+00 to 820+00 Mobile 102 SW	05:05 05:36	31 0	215 4 169	419 2,635 0
3	Sta 760+00 to 820+00 Mobile 102 SW	17:59 18:26	27 0	133 0 201	361 0 0

QC NARRATIVE(S)

GENERAL COMMENTS

1085 Minutes @ 100%
 139 Minutes @ 0%, to and from dock
 125 Minutes @ 0% fueling
 91 Minutes @ 0%, reparis to drag tender console prior to underway

QUALITY CONTROL REPORT-HOPPER DREDGE										PAGE NO. Page 255 of 494	
CONTRACT NO. W91278-16-D-0041 0001		CONTRACT TITLE IDIQ Rental Hopper Dredge in Mobile					CONTRACTOR Dutra Dredging Company			REPORT NO. 125	
CHARACTER OF REPORT		<input checked="" type="checkbox"/> MAINTENANCE <input type="checkbox"/> NEW WORK							DATE 05 Jun 2016 - Sunday		
DREDGE (M/V Columbia)		HOPPER CAP: 4,387 CY		AVG VOL OF BIN WATER: 4,387 CY			AVG UNFILLED CAP: 4,387 CY				
		NO. OF CREW MEMBERS	DREDGE 13	OTHER PLANT 5	WORK SCHEDULE	SHIFTS PER DAY 2	DAYS PER WEEK 7				
LOCATION OF WORK		LOCATION CHANNEL Mobile Harbor	REACH DREDGED; STA TO STA Sta 760+00 to 820+00			DISPOSAL AREA USE Mobile 102 -SW	QTY DEPOSITED GROSS(CY) 10,540	CUMULATIVE AND QTY DEPOSIT FOR DA(CY) 1,180,480			
		AVG LENGTH OF CUT 6,000 FT		AVG WIDTH OF CUT 400 FT		AVG DIST TO DUMP 27 NM					
CHARACTER OF MATERIAL		DENSITY OF MATERIALS						GMS/LITER 1.045			
		DENSITY OF WATER			1.006			GMS/LITER@ 70 °F			
RIVER/TIDE STAGE		MIN 1	TIME 00:00	MAX 0	TIME 00:00	GAGE LOCATION Dog River					
		MIN 1	TIME 00:00	MAX 0	TIME 00:00	GAGE DATUM MLLW					
WEATHER CONDITION		WEATHER Weather Caused No Delay			TEMP (min / max) 69 °F / 84 °F		VISIBILITY 10	WIND 16			
DRAFT					DISTRIBUTION OF TIME AND MILES RUN						
FORWARD		LIGHT		LOADED				AGITATING (MIN)	DREDGE & HAUL (MIN)	MILES RUN (NAUT MI)	
		8		15				EFFECTIVE WORKING TIME:			
AFT		10		16				PUMPING: 00:00 01:51 0.0			
								TURNING: 00:00 00:00 0.0			
DRAG DEPTH MAX 49 MIN 44									TO DUMP: 00:00 10:53 0.0		
									CONNECTING: 00:00 00:00 0.0		
INDICATORS LAST CHECKED ON 04/17/2016									DUMPING: 00:00 00:16 0.0		
									DISCONNECTING: 00:00 00:00 0.0		
AVERAGE SPEED OF DREDGE DURING LOADING					FT/MIN	2			TO CUT: 00:00 11:00 0.0		
AVERAGE SPEED OF DREDGE DURING AGITATING					FT/MIN	0			TOTALS: 00:00 24:00 0.0		
GALLONS OF FUEL OIL CONSUMED					GAL	2,451	NON-EFFECTIVE WORKING TIME:				
GALLONS OF WATER CONSUMED					GAL	309	TAKING ON FUEL AND SUPPLIES: 00:00 00:00 0.0				
WORK PERFORMED							TO AND FROM WHARF OR ANCHORAGE: 00:00 00:00 0.0				
DREDGING AND HAULING				AGITATING		LOSS DUE TO NATURAL ELEMENTS: 00:00 00:00 0.0					
NO. OF LOADS	TOTAL CYS	DISPOSAL AREA		TOTAL CYS		LOSS DUE TO TRAFFIC AND BRIDGES 00:00 00:00 0.0					
5	10,540	Mobile 102 SW		0		MINOR OPERATING REPAIRS: 00:00 00:00 0.0					
						TRANSFERRING BETWEEN WORKS: 00:00 00:00 0.0					
						LAY TIME: 00:00 00:00 0.0					
						FIRE AND BOAT DRILLS: 00:00 00:00 0.0					
ATTENDANT PLANT							MISCELLANEOUS: 00:00 00:00 0.0				
ITEM	NAME OR NUMBER		H.P.	HOURS	TOTALS: 00:00 00:00 0.0						
40' Crewboat	Cape Anne		400	12:00	LOST TIME:						
					MAJOR REPAIRS AND ALTERATIONS: 00:00 00:00 0.0						
					CESSATION: 00:00 00:00 0.0						
					COLLISIONS: 00:00 00:00 0.0						
					TOTALS: 00:00 00:00 0.0						
					TOTAL TIME/MILES: 00:00 24:00 0.0						

QUALITY CONTROL REPORT-HOPPER DREDGE					PAGE NO. Page 256 of 494	
CONTRACT NO. W91278-16-D-0041 0001		CONTRACT TITLE IDIQ Rental Hopper Dredge in Mobile		CONTRACTOR Dutra Dredging Company		REPORT NO. 125
DREDGE		NAME AND TYPE M/V Columbia			DATE 05 Jun 2016 - Sunday	
LOADS						
LOAD NUMBER	DREDGING AREA DISPOSAL AREA	START TIME STOP TIME (HH:MM)	PUMPING TURNING (MIN)	TO DUMP DUMPING TO CUT (MIN)	TOTAL TIME DREDGED AMOUNT AGITATED AMOUNT (MIN/CYS)	
1	Sta 760+00 to 820+00 Mobile 102 SW	00:00 00:01	1 0	37 4 0	42 2,635 0	
2	Sta 760+00 to 820+00 Mobile 102 SW	00:42 01:14	32 0	164 4 163	363 2,635 0	
3	Sta 760+00 to 820+00 Mobile 102 SW	06:45 07:09	24 0	162 4 159	349 2,635 0	
4	Sta 760+00 to 820+00 Mobile 102 SW	12:34 13:00	26 0	157 4 160	347 2,635 0	
5	Sta 760+00 to 820+00 Mobile 102 SW	18:21 18:49	28 0	133 0 178	339 0 0	
QC NARRATIVE(S) GENERAL COMMENTS 1440 Minutes @ 100% Monitoring Tropical Storm Colin						

QUALITY CONTROL REPORT-HOPPER DREDGE										PAGE NO. Page 257 of 494				
CONTRACT NO. W91278-16-D-0041 0001		CONTRACT TITLE IDIQ Rental Hopper Dredge in Mobile				CONTRACTOR Dutra Dredging Company				REPORT NO. 126				
CHARACTER OF REPORT		<input checked="" type="checkbox"/> MAINTENANCE <input type="checkbox"/> NEW WORK						DATE 06 Jun 2016 - Monday						
DREDGE (M/V Columbia)		HOPPER CAP: 4,387 CY		AVG VOL OF BIN WATER: 4,387 CY		AVG UNFILLED CAP: 4,387 CY								
		NO. OF CREW MEMBERS	DREDGE 13	OTHER PLANT 5	WORK SCHEDULE	SHIFTS PER DAY 2	DAYS PER WEEK 7							
LOCATION OF WORK		LOCATION CHANNEL Mobile Harbor		REACH DREDGED; STA TO STA Sta 760+00 to 820+00		DISPOSAL AREA USE Mobile 102 -SW		QTY DEPOSITED GROSS(CY) 13,175		CUMULATIVE AND QTY DEPOSIT FOR DA(CY) 1,193,655				
		AVG LENGTH OF CUT 6,000 FT		AVG WIDTH OF CUT 400 FT		AVG DIST TO DUMP 27 NM								
CHARACTER OF MATERIAL		DENSITY OF MATERIALS						GMS/LITER 1.045						
		DENSITY OF WATER				1.006		GMS/LITER@ 70 °F						
RIVER/TIDE STAGE		MIN 1	TIME 00:00	MAX 0	TIME 00:00	GAGE LOCATION Dog River								
		MIN 1	TIME 00:00	MAX 0	TIME 00:00	GAGE DATUM MLLW								
WEATHER CONDITION		WEATHER			TEMP (min / max)		VISIBILITY		WIND					
		Weather Caused No Delay			77 °F / 87 °F		10		12					
DRAFT					DISTRIBUTION OF TIME AND MILES RUN									
FORWARD		LIGHT		LOADED				AGITATING (MIN)		DREDGE & HAUL (MIN)		MILES RUN (NAUT MI)		
		8		15		EFFECTIVE WORKING TIME:								
AFT		10		16		PUMPING:		00:00		01:55		0.0		
						TURNING:		00:00		00:00		0.0		
DRAG DEPTH MAX 49 MIN 44					TO DUMP:		00:00		09:22		0.0			
INDICATORS LAST CHECKED ON 04/17/2016					CONNECTING:		00:00		00:00		0.0			
AVERAGE SPEED OF DREDGE DURING LOADING					DUMPING:		00:00		00:17		0.0			
			FT/MIN 2		DISCONNECTING:		00:00		00:00		0.0			
AVERAGE SPEED OF DREDGE DURING AGITATING					TO CUT:		00:00		12:26		0.0			
			FT/MIN 0		TOTALS:		00:00		24:00		0.0			
GALLONS OF FUEL OIL CONSUMED					GAL 3,155		NON-EFFECTIVE WORKING TIME:							
GALLONS OF WATER CONSUMED					GAL 561		TAKING ON FUEL AND SUPPLIES:		00:00		00:00		0.0	
WORK PERFORMED					TO AND FROM WHARF OR ANCHORAGE:		00:00		00:00		0.0			
DREDGING AND HAULING			AGITATING		LOSS DUE TO NATURAL ELEMENTS:		00:00		00:00		0.0			
NO. OF LOADS	TOTAL CYS	DISPOSAL AREA		TOTAL CYS		LOSS DUE TO TRAFFIC AND BRIDGES		00:00		00:00		0.0		
5	13,175	Mobile 102 SW		0		MINOR OPERATING REPAIRS:		00:00		00:00		0.0		
						TRANSFERRING BETWEEN WORKS:		00:00		00:00		0.0		
						LAY TIME:		00:00		00:00		0.0		
						FIRE AND BOAT DRILLS:		00:00		00:00		0.0		
ATTENDANT PLANT					MISCELLANEOUS:		00:00		00:00		0.0			
ITEM		NAME OR NUMBER		H.P.	HOURS	TOTALS:		00:00		00:00		0.0		
40' Crewboat		Cape Anne		400	12:00	LOST TIME:								
						MAJOR REPAIRS AND ALTERATIONS:		00:00		00:00		0.0		
						CESSATION:		00:00		00:00		0.0		
						COLLISIONS:		00:00		00:00		0.0		
						TOTALS:		00:00		00:00		0.0		
						TOTAL TIME/MILES:		00:00		24:00		0.0		

QUALITY CONTROL REPORT-HOPPER DREDGE					PAGE NO. Page 258 of 494	
CONTRACT NO. W91278-16-D-0041 0001		CONTRACT TITLE IDIQ Rental Hopper Dredge in Mobile		CONTRACTOR Dutra Dredging Company		REPORT NO. 126
DREDGE		NAME AND TYPE M/V Columbia			DATE 06 Jun 2016 - Monday	
LOADS						
LOAD NUMBER	DREDGING AREA DISPOSAL AREA	START TIME STOP TIME (HH:MM)	PUMPING TURNING (MIN)	TO DUMP DUMPING TO CUT (MIN)	TOTAL TIME DREDGED AMOUNT AGITATED AMOUNT (MIN/CYS)	
1	Sta 760+00 to 820+00 Mobile 102 SW	00:00 00:01	1 0	35 4 0	40 2,635 0	
2	Sta 760+00 to 820+00 Mobile 102 SW	00:40 01:11	31 0	171 4 181	387 2,635 0	
3	Sta 760+00 to 820+00 Mobile 102 SW	07:07 07:33	26 0	180 4 176	386 2,635 0	
4	Sta 760+00 to 820+00 Mobile 102 SW	13:33 14:03	30 0	175 5 198	408 2,635 0	
5	Sta 760+00 to 820+00 Mobile 102 SW	20:21 20:48	27 0	1 0 191	219 2,635 0	
QC NARRATIVE(S) GENERAL COMMENTS 1440 Minutes @ 100% Monitoring Tropical Storm Colin, No impacts to operations						

QUALITY CONTROL REPORT-HOPPER DREDGE										PAGE NO. Page 259 of 494	
CONTRACT NO. W91278-16-D-0041 0001		CONTRACT TITLE IDIQ Rental Hopper Dredge in Mobile					CONTRACTOR Dutra Dredging Company			REPORT NO. 127	
CHARACTER OF REPORT		<input checked="" type="checkbox"/> MAINTENANCE <input type="checkbox"/> NEW WORK							DATE 07 Jun 2016 - Tuesday		
DREDGE (M/V Columbia)		HOPPER CAP: 4,387 CY		AVG VOL OF BIN WATER: 4,387 CY		AVG UNFILLED CAP: 4,387 CY					
		NO. OF CREW MEMBERS	DREDGE 13	OTHER PLANT 5	WORK SCHEDULE	SHIFTS PER DAY 2	DAYS PER WEEK 7				
LOCATION OF WORK		LOCATION CHANNEL Mobile Harbor	REACH DREDGED; STA TO STA Sta 760+00 to 820+00		DISPOSAL AREA USE Mobile 102 -SW		QTY DEPOSITED GROSS(CY) 10,540	CUMULATIVE AND QTY DEPOSIT FOR DA(CY) 1,204,195			
		AVG LENGTH OF CUT 6,000 FT		AVG WIDTH OF CUT 400 FT		AVG DIST TO DUMP 27 NM					
CHARACTER OF MATERIAL		DENSITY OF MATERIALS					GMS/LITER 1.045				
		DENSITY OF WATER			1.006		GMS/LITER@ 70 °F				
RIVER/TIDE STAGE		MIN 1	TIME 00:00	MAX 0	TIME 00:00	GAGE LOCATION Dog River					
		MIN 1	TIME 00:00	MAX 0	TIME 00:00	GAGE DATUM MLLW					
WEATHER CONDITION		WEATHER Weather Caused No Delay		TEMP (min / max) 73 °F / 93 °F		VISIBILITY 10		WIND 8			
DRAFT					DISTRIBUTION OF TIME AND MILES RUN						
FORWARD	LIGHT		LOADED			AGITATING (MIN)	DREDGE & HAUL (MIN)	MILES RUN (NAUT MI)			
	8		15		EFFECTIVE WORKING TIME:						
AFT	10		16		PUMPING:	00:00	01:31	0.0			
					TURNING:	00:00	00:00	0.0			
DRAG DEPTH MAX 49 MIN 44					TO DUMP:	00:00	11:06	0.0			
					CONNECTING:	00:00	00:00	0.0			
INDICATORS LAST CHECKED ON 04/17/2016					DUMPING:	00:00	00:16	0.0			
					DISCONNECTING:	00:00	00:00	0.0			
AVERAGE SPEED OF DREDGE DURING LOADING				FT/MIN	2	TO CUT:	00:00	11:07	0.0		
AVERAGE SPEED OF DREDGE DURING AGITATING				FT/MIN	0	TOTALS:	00:00	24:00	0.0		
GALLONS OF FUEL OIL CONSUMED				GAL	2,752	NON-EFFECTIVE WORKING TIME:					
GALLONS OF WATER CONSUMED				GAL	374	TAKING ON FUEL AND SUPPLIES:	00:00	00:00	0.0		
WORK PERFORMED					TO AND FROM WHARF OR ANCHORAGE:	00:00	00:00	0.0			
					LOSS DUE TO NATURAL ELEMENTS:	00:00	00:00	0.0			
DREDGING AND HAULING			AGITATING		LOSS DUE TO TRAFFIC AND BRIDGES	00:00	00:00	0.0			
NO. OF LOADS	TOTAL CYS	DISPOSAL AREA	TOTAL CYS		MINOR OPERATING REPAIRS:	00:00	00:00	0.0			
5	10,540	Mobile 102 SW	0		TRANSFERRING BETWEEN WORKS:	00:00	00:00	0.0			
					LAY TIME:	00:00	00:00	0.0			
					FIRE AND BOAT DRILLS:	00:00	00:00	0.0			
ATTENDANT PLANT					MISCELLANEOUS:	00:00	00:00	0.0			
					TOTALS:	00:00	00:00	0.0			
ITEM	NAME OR NUMBER		H.P.	HOURS	LOST TIME:						
40' Crewboat	Cape Anne		400	12:00	MAJOR REPAIRS AND ALTERATIONS:	00:00	00:00	0.0			
					CESSATION:	00:00	00:00	0.0			
					COLLISIONS:	00:00	00:00	0.0			
					TOTALS:	00:00	00:00	0.0			
					TOTAL TIME/MILES:	00:00	24:00	0.0			

QUALITY CONTROL REPORT-HOPPER DREDGE					PAGE NO. Page 260 of 494	
CONTRACT NO. W91278-16-D-0041 0001		CONTRACT TITLE IDIQ Rental Hopper Dredge in Mobile		CONTRACTOR Dutra Dredging Company		REPORT NO. 127
DREDGE		NAME AND TYPE M/V Columbia			DATE 07 Jun 2016 - Tuesday	
LOADS						
LOAD NUMBER	DREDGING AREA DISPOSAL AREA	START TIME STOP TIME (HH:MM)	PUMPING TURNING (MIN)	TO DUMP DUMPING TO CUT (MIN)	TOTAL TIME DREDGED AMOUNT AGITATED AMOUNT (MIN/CYS)	
1	Sta 760+00 to 820+00 Mobile 102 SW	00:00 00:01	1 0	196 4 0	201 2,635 0	
2	Sta 760+00 to 820+00 Mobile 102 SW	03:21 03:52	31 0	163 4 189	387 2,635 0	
3	Sta 760+00 to 820+00 Mobile 102 SW	09:48 10:17	29 0	150 4 201	384 2,635 0	
4	Sta 760+00 to 820+00 Mobile 102 SW	16:12 16:41	29 0	157 4 184	374 2,635 0	
5	Sta 760+00 to 820+00 Mobile 102 SW	22:26 22:27	1 0	0 0 93	94 0 0	
QC NARRATIVE(S) GENERAL COMMENTS 1440 Minutes @ 100%						

QUALITY CONTROL REPORT-HOPPER DREDGE										PAGE NO. Page 261 of 494										
CONTRACT NO. W91278-16-D-0041 0001		CONTRACT TITLE IDIQ Rental Hopper Dredge in Mobile					CONTRACTOR Dutra Dredging Company			REPORT NO. 128										
CHARACTER OF REPORT		<input checked="" type="checkbox"/> MAINTENANCE <input type="checkbox"/> NEW WORK							DATE 08 Jun 2016 - Wednesday											
DREDGE (M/V Columbia)		HOPPER CAP: 4,387 CY		AVG VOL OF BIN WATER: 4,387 CY			AVG UNFILLED CAP: 4,387 CY													
		NO. OF CREW MEMBERS	DREDGE 13	OTHER PLANT 5		WORK SCHEDULE	SHIFTS PER DAY 2		DAYS PER WEEK 7											
LOCATION OF WORK		LOCATION CHANNEL Mobile Harbor		REACH DREDGED; STA TO STA Sta 760+00 to 820+00			DISPOSAL AREA USE Mobile 102 -SW		QTY DEPOSITED GROSS(CY) 10,540		CUMULATIVE AND QTY DEPOSIT FOR DA(CY) 1,214,735									
		AVG LENGTH OF CUT 6,000 FT			AVG WIDTH OF CUT 400 FT			AVG DIST TO DUMP 27 NM												
CHARACTER OF MATERIAL		DENSITY OF MATERIALS						GMS/LITER 1.045												
		DENSITY OF WATER				1.006		GMS/LITER@ 70 °F												
RIVER/TIDE STAGE		MIN 1	TIME 00:00	MAX 0	TIME 00:00	GAGE LOCATION Dog River														
		MIN 1	TIME 00:00	MAX 0	TIME 00:00	GAGE DATUM MLLW														
WEATHER CONDITION		WEATHER Weather Caused No Delay			TEMP (min / max) 71 °F / 91 °F		VISIBILITY 10		WIND 8											
DRAFT					DISTRIBUTION OF TIME AND MILES RUN															
FORWARD		LIGHT		LOADED				AGITATING (MIN)		DREDGE & HAUL (MIN)		MILES RUN (NAUT MI)								
		8		15		EFFECTIVE WORKING TIME:														
AFT		10		16		PUMPING:		00:00		02:03		0.0								
						TURNING:		00:00		00:00		0.0								
DRAG DEPTH MAX 49 MIN 44					TO DUMP:		00:00		10:58		0.0									
					CONNECTING:		00:00		00:00		0.0									
INDICATORS LAST CHECKED ON 04/17/2016					DUMPING:		00:00		00:16		0.0									
					DISCONNECTING:		00:00		00:00		0.0									
AVERAGE SPEED OF DREDGE DURING LOADING							FT/MIN		2		TO CUT:		00:00		10:43		0.0			
AVERAGE SPEED OF DREDGE DURING AGITATING							FT/MIN		0		TOTALS:		00:00		24:00		0.0			
GALLONS OF FUEL OIL CONSUMED							GAL		2,468		NON-EFFECTIVE WORKING TIME:									
GALLONS OF WATER CONSUMED							GAL		1,122		TAKING ON FUEL AND SUPPLIES:		00:00		00:00		0.0			
WORK PERFORMED					DREDGING AND HAULING		AGITATING		TO AND FROM WHARF OR ANCHORAGE:		00:00		00:00		0.0					
									LOSS DUE TO NATURAL ELEMENTS:		00:00		00:00		0.0					
NO. OF LOADS		TOTAL CYS		DISPOSAL AREA		TOTAL CYS		LOSS DUE TO TRAFFIC AND BRIDGES		00:00		00:00		0.0						
5		10,540		Mobile 102 SW		0		MINOR OPERATING REPAIRS:		00:00		00:00		0.0						
								TRANSFERRING BETWEEN WORKS:		00:00		00:00		0.0						
								LAY TIME:		00:00		00:00		0.0						
								FIRE AND BOAT DRILLS:		00:00		00:00		0.0						
ATTENDANT PLANT					ITEM		NAME OR NUMBER		H.P.		HOURS		MISCELLANEOUS:		00:00		00:00		0.0	
													TOTALS:		00:00		00:00		0.0	
40' Crewboat		Cape Anne		400		12:00		LOST TIME:												
								MAJOR REPAIRS AND ALTERATIONS:		00:00		00:00		0.0						
								CESSATION:		00:00		00:00		0.0						
								COLLISIONS:		00:00		00:00		0.0						
								TOTALS:		00:00		00:00		0.0						
								TOTAL TIME/MILES:		00:00		24:00		0.0						

QUALITY CONTROL REPORT-HOPPER DREDGE					PAGE NO. Page 262 of 494	
CONTRACT NO. W91278-16-D-0041 0001		CONTRACT TITLE IDIQ Rental Hopper Dredge in Mobile		CONTRACTOR Dutra Dredging Company		REPORT NO. 128
DREDGE		NAME AND TYPE M/V Columbia			DATE 08 Jun 2016 - Wednesday	
LOADS						
LOAD NUMBER	DREDGING AREA DISPOSAL AREA	START TIME STOP TIME (HH:MM)	PUMPING TURNING (MIN)	TO DUMP DUMPING TO CUT (MIN)	TOTAL TIME DREDGED AMOUNT AGITATED AMOUNT (MIN/CYS)	
1	Sta 760+00 to 820+00 Mobile 102 SW	00:00 00:27	27 0	174 4 87	292 2,635 0	
2	Sta 760+00 to 820+00 Mobile 102 SW	04:52 05:26	34 0	167 4 173	378 2,635 0	
3	Sta 760+00 to 820+00 Mobile 102 SW	11:10 11:43	33 0	150 4 167	354 2,635 0	
4	Sta 760+00 to 820+00 Mobile 102 SW	17:04 17:32	28 0	167 4 169	368 2,635 0	
5	Sta 760+00 to 820+00 Mobile 102 SW	23:12 23:13	1 0	0 0 47	48 0 0	
QC NARRATIVE(S)						
GENERAL COMMENTS						
1440 Minutes @ 100%						

QUALITY CONTROL REPORT-HOPPER DREDGE										PAGE NO. Page 263 of 494	
CONTRACT NO. W91278-16-D-0041 0001		CONTRACT TITLE IDIQ Rental Hopper Dredge in Mobile					CONTRACTOR Dutra Dredging Company			REPORT NO. 129	
CHARACTER OF REPORT		<input checked="" type="checkbox"/> MAINTENANCE <input type="checkbox"/> NEW WORK							DATE 09 Jun 2016 - Thursday		
DREDGE (M/V Columbia)		HOPPER CAP: 4,387 CY		AVG VOL OF BIN WATER: 4,387 CY			AVG UNFILLED CAP: 4,387 CY				
		NO. OF CREW MEMBERS	DREDGE 13	OTHER PLANT 5	WORK SCHEDULE	SHIFTS PER DAY 2	DAYS PER WEEK 7				
LOCATION OF WORK		LOCATION CHANNEL Mobile Harbor	REACH DREDGED; STA TO STA Sta 760+00 to 820+00			DISPOSAL AREA USE Mobile 102 -SW	QTY DEPOSITED GROSS(CY) 7,905	CUMULATIVE AND QTY DEPOSIT FOR DA(CY) 1,222,640			
		AVG LENGTH OF CUT 6,000 FT		AVG WIDTH OF CUT 400 FT		AVG DIST TO DUMP 27 NM					
CHARACTER OF MATERIAL		DENSITY OF MATERIALS						GMS/LITER 1.045			
		DENSITY OF WATER			1.006			GMS/LITER@ 70 °F			
RIVER/TIDE STAGE		MIN 1	TIME 00:00	MAX 0	TIME 00:00	GAGE LOCATION Dog River					
		MIN 1	TIME 00:00	MAX 0	TIME 00:00	GAGE DATUM MLLW					
WEATHER CONDITION		WEATHER Weather Caused No Delay			TEMP (min / max) 71 °F / 91 °F		VISIBILITY 10	WIND 12			
DRAFT					DISTRIBUTION OF TIME AND MILES RUN						
FORWARD	LIGHT		LOADED				AGITATING (MIN)	DREDGE & HAUL (MIN)	MILES RUN (NAUT MI)		
	8		15				EFFECTIVE WORKING TIME:				
AFT	10		16								
DRAG DEPTH MAX 49 MIN 44											
INDICATORS LAST CHECKED ON 04/17/2016											
AVERAGE SPEED OF DREDGE DURING LOADING				FT/MIN	2						
AVERAGE SPEED OF DREDGE DURING AGITATING				FT/MIN	0						
GALLONS OF FUEL OIL CONSUMED				GAL	2,478						
GALLONS OF WATER CONSUMED				GAL	935						
WORK PERFORMED					NON-EFFECTIVE WORKING TIME:						
DREDGING AND HAULING				AGITATING							
NO. OF LOADS	TOTAL CYS	DISPOSAL AREA		TOTAL CYS							
4	7,905	Mobile 102 SW		0							
ATTENDANT PLANT					LOSS DUE TO NATURAL ELEMENTS:						
ITEM	NAME OR NUMBER			H.P.	HOURS	LOSS DUE TO TRAFFIC AND BRIDGES					
40' Crewboat	Cape Anne			400	12:00	MINOR OPERATING REPAIRS:					
						TRANSFERRING BETWEEN WORKS:					
						LAY TIME:					
						FIRE AND BOAT DRILLS:					
						MISCELLANEOUS:					
						TOTALS:					
						LOST TIME:					
						MAJOR REPAIRS AND ALTERATIONS:					
						CESSATION:					
						COLLISIONS:					
						TOTALS:					
						TOTAL TIME/MILES:					

QUALITY CONTROL REPORT-HOPPER DREDGE					PAGE NO. Page 264 of 494	
CONTRACT NO. W91278-16-D-0041 0001		CONTRACT TITLE IDIQ Rental Hopper Dredge in Mobile		CONTRACTOR Dutra Dredging Company		REPORT NO. 129
DREDGE		NAME AND TYPE M/V Columbia			DATE 09 Jun 2016 - Thursday	
LOADS						
LOAD NUMBER	DREDGING AREA DISPOSAL AREA	START TIME STOP TIME (HH:MM)	PUMPING TURNING (MIN)	TO DUMP DUMPING TO CUT (MIN)	TOTAL TIME DREDGED AMOUNT AGITATED AMOUNT (MIN/CYS)	
1	Sta 760+00 to 820+00 Mobile 102 SW	00:00 00:34	34 0	175 4 116	329 2,635 0	
2	Sta 760+00 to 820+00 Mobile 102 SW	05:29 06:03	34 0	162 4 163	363 2,635 0	
3	Sta 760+00 to 820+00 Mobile 102 SW	11:32 12:25	34 19	200 4 158	415 2,635 0	
4	Sta 760+00 to 820+00 Mobile 102 SW	18:27 18:52	25 0	148 0 160	333 0 0	
QC NARRATIVE(S) GENERAL COMMENTS 1440 Minutes @ 100%						

QUALITY CONTROL REPORT-HOPPER DREDGE										PAGE NO. Page 265 of 494	
CONTRACT NO. W91278-16-D-0041 0001		CONTRACT TITLE IDIQ Rental Hopper Dredge in Mobile					CONTRACTOR Dutra Dredging Company			REPORT NO. 130	
CHARACTER OF REPORT		<input checked="" type="checkbox"/> MAINTENANCE <input type="checkbox"/> NEW WORK							DATE 10 Jun 2016 - Friday		
DREDGE (M/V Columbia)		HOPPER CAP: 4,387 CY		AVG VOL OF BIN WATER: 4,387 CY		AVG UNFILLED CAP: 4,387 CY					
		NO. OF CREW MEMBERS	DREDGE 13	OTHER PLANT 5	WORK SCHEDULE	SHIFTS PER DAY 2	DAYS PER WEEK 7				
LOCATION OF WORK		LOCATION CHANNEL Mobile Harbor	REACH DREDGED; STA TO STA Sta 760+00 to 820+00		DISPOSAL AREA USE Mobile 102 -SW		QTY DEPOSITED GROSS(CY) 10,540	CUMULATIVE AND QTY DEPOSIT FOR DA(CY) 1,233,180			
		AVG LENGTH OF CUT 6,000 FT		AVG WIDTH OF CUT 400 FT		AVG DIST TO DUMP 27 NM					
CHARACTER OF MATERIAL		DENSITY OF MATERIALS					GMS/LITER 1.045				
		DENSITY OF WATER			1.006		GMS/LITER@ 70 °F				
RIVER/TIDE STAGE		MIN 1	TIME 00:00	MAX 0	TIME 00:00	GAGE LOCATION Dog River					
		MIN 1	TIME 00:00	MAX 0	TIME 00:00	GAGE DATUM MLLW					
WEATHER CONDITION		WEATHER		TEMP (min / max)		VISIBILITY		WIND			
		Weather Caused No Delay		70 °F / 89 °F		10		8			
DRAFT					DISTRIBUTION OF TIME AND MILES RUN						
FORWARD		LIGHT		LOADED				AGITATING (MIN)	DREDGE & HAUL (MIN)	MILES RUN (NAUT MI)	
		8		15				EFFECTIVE WORKING TIME:			
AFT											
		10		16							
DRAG DEPTH MAX 49 MIN 44					PUMPING:		00:00	01:55	0.0		
INDICATORS LAST CHECKED ON 04/17/2016					TURNING:		00:00	00:19	0.0		
					TO DUMP:		00:00	10:59	0.0		
AVERAGE SPEED OF DREDGE DURING LOADING					CONNECTING:		00:00	00:00	0.0		
					DUMPING:		00:00	00:16	0.0		
AVERAGE SPEED OF DREDGE DURING AGITATING					DISCONNECTING:		00:00	00:00	0.0		
					TO CUT:		00:00	10:31	0.0		
GALLONS OF FUEL OIL CONSUMED					TOTALS:		00:00	24:00	0.0		
					NON-EFFECTIVE WORKING TIME:						
GALLONS OF WATER CONSUMED					TAKING ON FUEL AND SUPPLIES:		00:00	00:00	0.0		
					TO AND FROM WHARF OR ANCHORAGE:		00:00	00:00	0.0		
WORK PERFORMED					LOSS DUE TO NATURAL ELEMENTS:		00:00	00:00	0.0		
DREDGING AND HAULING				AGITATING		LOSS DUE TO TRAFFIC AND BRIDGES		00:00	00:00	0.0	
NO. OF LOADS	TOTAL CYS	DISPOSAL AREA		TOTAL CYS		MINOR OPERATING REPAIRS:		00:00	00:00	0.0	
5	10,540	Mobile 102 SW		0		TRANSFERRING BETWEEN WORKS:		00:00	00:00	0.0	
						LAY TIME:		00:00	00:00	0.0	
						FIRE AND BOAT DRILLS:		00:00	00:00	0.0	
ATTENDANT PLANT					MISCELLANEOUS:		00:00	00:00	0.0		
ITEM	NAME OR NUMBER		H.P.	HOURS	TOTALS:		00:00	00:00	0.0		
40' Crewboat	Cape Anne		400	12:00	LOST TIME:						
					MAJOR REPAIRS AND ALTERATIONS:		00:00	00:00	0.0		
					CESSATION:		00:00	00:00	0.0		
					COLLISIONS:		00:00	00:00	0.0		
					TOTALS:		00:00	00:00	0.0		
					TOTAL TIME/MILES:		00:00	24:00	0.0		

QUALITY CONTROL REPORT-HOPPER DREDGE					PAGE NO. Page 266 of 494	
CONTRACT NO. W91278-16-D-0041 0001		CONTRACT TITLE IDIQ Rental Hopper Dredge in Mobile		CONTRACTOR Dutra Dredging Company		REPORT NO. 130
DREDGE		NAME AND TYPE M/V Columbia			DATE 10 Jun 2016 - Friday	
LOADS						
LOAD NUMBER	DREDGING AREA DISPOSAL AREA	START TIME STOP TIME (HH:MM)	PUMPING TURNING (MIN)	TO DUMP DUMPING TO CUT (MIN)	TOTAL TIME DREDGED AMOUNT AGITATED AMOUNT (MIN/CYS)	
1	Sta 760+00 to 820+00 Mobile 102 SW	00:00 00:01	1 0	18 4 0	23 2,635 0	
2	Sta 760+00 to 820+00 Mobile 102 SW	00:23 01:08	33 12	173 4 159	381 2,635 0	
3	Sta 760+00 to 820+00 Mobile 102 SW	06:44 07:16	25 7	168 4 161	365 2,635 0	
4	Sta 760+00 to 820+00 Mobile 102 SW	12:49 13:18	29 0	164 4 153	350 2,635 0	
5	Sta 760+00 to 820+00 Mobile 102 SW	18:39 19:06	27 0	136 0 158	321 0 0	
QC NARRATIVE(S) GENERAL COMMENTS 1440 Minutes @ 100%						

QUALITY CONTROL REPORT-HOPPER DREDGE										PAGE NO. Page 267 of 494	
CONTRACT NO. W91278-16-D-0041 0001		CONTRACT TITLE IDIQ Rental Hopper Dredge in Mobile					CONTRACTOR Dutra Dredging Company			REPORT NO. 131	
CHARACTER OF REPORT		<input checked="" type="checkbox"/> MAINTENANCE <input type="checkbox"/> NEW WORK							DATE 11 Jun 2016 - Saturday		
DREDGE (M/V Columbia)		HOPPER CAP: 4,387 CY		AVG VOL OF BIN WATER: 4,387 CY		AVG UNFILLED CAP: 4,387 CY					
		NO. OF CREW MEMBERS	DREDGE 13	OTHER PLANT 5	WORK SCHEDULE	SHIFTS PER DAY 2	DAYS PER WEEK 7				
LOCATION OF WORK		LOCATION CHANNEL Mobile Harbor	REACH DREDGED; STA TO STA Sta 760+00 to 820+00		DISPOSAL AREA USE Mobile 102 -SW		QTY DEPOSITED GROSS(CY) 10,540	CUMULATIVE AND QTY DEPOSIT FOR DA(CY) 1,243,720			
		AVG LENGTH OF CUT 6,000 FT		AVG WIDTH OF CUT 400 FT		AVG DIST TO DUMP 27 NM					
CHARACTER OF MATERIAL		DENSITY OF MATERIALS						GMS/LITER 1.045			
		DENSITY OF WATER			1.006			GMS/LITER@ 70 °F			
RIVER/TIDE STAGE		MIN 1	TIME 00:00	MAX 0	TIME 00:00	GAGE LOCATION Dog River					
		MIN 1	TIME 00:00	MAX 0	TIME 00:00	GAGE DATUM MLLW					
WEATHER CONDITION		WEATHER		TEMP (min / max)		VISIBILITY		WIND			
		Weather Caused No Delay		75 °F / 89 °F		10		10			
DRAFT					DISTRIBUTION OF TIME AND MILES RUN						
FORWARD	LIGHT		LOADED				AGITATING (MIN)	DREDGE & HAUL (MIN)	MILES RUN (NAUT MI)		
	8		15								
AFT					EFFECTIVE WORKING TIME:						
	10		16		PUMPING:		00:00	01:47	0.0		
DRAG DEPTH MAX 49 MIN 44					TURNING:		00:00	00:20	0.0		
					TO DUMP:		00:00	10:41	0.0		
INDICATORS LAST CHECKED ON 04/17/2016					CONNECTING:		00:00	00:00	0.0		
					DUMPING:		00:00	00:16	0.0		
AVERAGE SPEED OF DREDGE DURING LOADING					FT/MIN	DISCONNECTING:		00:00	00:00	0.0	
					2	TO CUT:		00:00	10:56	0.0	
AVERAGE SPEED OF DREDGE DURING AGITATING					FT/MIN	TOTALS:		00:00	24:00	0.0	
					0						
GALLONS OF FUEL OIL CONSUMED					GAL	NON-EFFECTIVE WORKING TIME:					
					2,455	TAKING ON FUEL AND SUPPLIES:		00:00	00:00	0.0	
GALLONS OF WATER CONSUMED					GAL	TO AND FROM WHARF OR ANCHORAGE:		00:00	00:00	0.0	
					561	LOSS DUE TO NATURAL ELEMENTS:		00:00	00:00	0.0	
WORK PERFORMED					LOSS DUE TO TRAFFIC AND BRIDGES		00:00	00:00	0.0		
DREDGING AND HAULING			AGITATING		MINOR OPERATING REPAIRS:		00:00	00:00	0.0		
NO. OF LOADS	TOTAL CYS	DISPOSAL AREA		TOTAL CYS		TRANSFERRING BETWEEN WORKS:		00:00	00:00	0.0	
5	10,540	Mobile 102 SW		0		LAY TIME:		00:00	00:00	0.0	
						FIRE AND BOAT DRILLS:		00:00	00:00	0.0	
						MISCELLANEOUS:		00:00	00:00	0.0	
ATTENDANT PLANT					TOTALS:		00:00	00:00	0.0		
ITEM	NAME OR NUMBER		H.P.	HOURS	LOST TIME:						
40' Crewboat	Cape Anne		400	12:00	MAJOR REPAIRS AND ALTERATIONS:		00:00	00:00	0.0		
					CESSATION:		00:00	00:00	0.0		
					COLLISIONS:		00:00	00:00	0.0		
					TOTALS:		00:00	00:00	0.0		
					TOTAL TIME/MILES:		00:00	24:00	0.0		

QUALITY CONTROL REPORT-HOPPER DREDGE					PAGE NO. Page 268 of 494	
CONTRACT NO. W91278-16-D-0041 0001		CONTRACT TITLE IDIQ Rental Hopper Dredge in Mobile		CONTRACTOR Dutra Dredging Company		REPORT NO. 131
DREDGE		NAME AND TYPE M/V Columbia			DATE 11 Jun 2016 - Saturday	
LOADS						
LOAD NUMBER	DREDGING AREA DISPOSAL AREA	START TIME STOP TIME (HH:MM)	PUMPING TURNING (MIN)	TO DUMP DUMPING TO CUT (MIN)	TOTAL TIME DREDGED AMOUNT AGITATED AMOUNT (MIN/CYS)	
1	Sta 760+00 to 820+00 Mobile 102 SW	00:00 00:01	1 0	28 4 0	33 2,635 0	
2	Sta 760+00 to 820+00 Mobile 102 SW	00:33 01:13	27 13	170 4 162	376 2,635 0	
3	Sta 760+00 to 820+00 Mobile 102 SW	06:49 07:26	30 7	162 4 161	364 2,635 0	
4	Sta 760+00 to 820+00 Mobile 102 SW	12:53 13:19	26 0	158 4 181	369 2,635 0	
5	Sta 760+00 to 820+00 Mobile 102 SW	19:02 19:25	23 0	123 0 152	298 0 0	
QC NARRATIVE(S) GENERAL COMMENTS 1440 Minutes @ 100%						

QUALITY CONTROL REPORT-HOPPER DREDGE										PAGE NO. Page 269 of 494								
CONTRACT NO. W91278-16-D-0041 0001		CONTRACT TITLE IDIQ Rental Hopper Dredge in Mobile					CONTRACTOR Dutra Dredging Company			REPORT NO. 132								
CHARACTER OF REPORT		<input checked="" type="checkbox"/> MAINTENANCE <input type="checkbox"/> NEW WORK							DATE 12 Jun 2016 - Sunday									
DREDGE (M/V Columbia)		HOPPER CAP: 4,387 CY		AVG VOL OF BIN WATER: 4,387 CY		AVG UNFILLED CAP: 4,387 CY												
		NO. OF CREW MEMBERS	DREDGE 13	OTHER PLANT 5	WORK SCHEDULE	SHIFTS PER DAY 2	DAYS PER WEEK 7											
LOCATION OF WORK		LOCATION CHANNEL Mobile Harbor		REACH DREDGED; STA TO STA Sta 760+00 to 820+00		DISPOSAL AREA USE Mobile 102 -SW		QTY DEPOSITED GROSS(CY) 10,540		CUMULATIVE AND QTY DEPOSIT FOR DA(CY) 1,254,260								
		AVG LENGTH OF CUT 6,000 FT		AVG WIDTH OF CUT 400 FT		AVG DIST TO DUMP 27 NM												
CHARACTER OF MATERIAL		DENSITY OF MATERIALS						GMS/LITER 1.045										
		DENSITY OF WATER			1.006			GMS/LITER@ 70 °F										
RIVER/TIDE STAGE		MIN 1	TIME 00:00	MAX 0	TIME 00:00	GAGE LOCATION Dog River												
		MIN 1	TIME 00:00	MAX 0	TIME 00:00	GAGE DATUM MLLW												
WEATHER CONDITION		WEATHER			TEMP (min / max)		VISIBILITY		WIND									
		Weather Caused No Delay			75 °F / 90 °F		10		6									
DRAFT					DISTRIBUTION OF TIME AND MILES RUN													
FORWARD		LIGHT		LOADED				AGITATING (MIN)		DREDGE & HAUL (MIN)		MILES RUN (NAUT MI)						
		8		15		EFFECTIVE WORKING TIME:												
AFT		10		16		PUMPING:		00:00		01:56		0.0						
						TURNING:		00:00		00:28		0.0						
DRAG DEPTH MAX 49 MIN 44					TO DUMP:		00:00		10:33		0.0							
					CONNECTING:		00:00		00:00		0.0							
INDICATORS LAST CHECKED ON 04/17/2016					DUMPING:		00:00		00:16		0.0							
					DISCONNECTING:		00:00		00:00		0.0							
AVERAGE SPEED OF DREDGE DURING LOADING							FT/MIN		2		TO CUT:		00:00		10:47		0.0	
AVERAGE SPEED OF DREDGE DURING AGITATING							FT/MIN		0		TOTALS:		00:00		24:00		0.0	
GALLONS OF FUEL OIL CONSUMED							GAL		3,175		NON-EFFECTIVE WORKING TIME:							
GALLONS OF WATER CONSUMED							GAL		935		TAKING ON FUEL AND SUPPLIES:		00:00		00:00		0.0	
WORK PERFORMED											TO AND FROM WHARF OR ANCHORAGE:		00:00		00:00		0.0	
													LOSS DUE TO NATURAL ELEMENTS:		00:00		00:00	
DREDGING AND HAULING				AGITATING						LOSS DUE TO TRAFFIC AND BRIDGES		00:00		00:00		0.0		
NO. OF LOADS		TOTAL CYS		DISPOSAL AREA		TOTAL CYS				MINOR OPERATING REPAIRS:		00:00		00:00		0.0		
5		10,540		Mobile 102 SW		0				TRANSFERRING BETWEEN WORKS:		00:00		00:00		0.0		
										LAY TIME:		00:00		00:00		0.0		
										FIRE AND BOAT DRILLS:		00:00		00:00		0.0		
ATTENDANT PLANT											MISCELLANEOUS:		00:00		00:00		0.0	
													TOTALS:		00:00		00:00	
ITEM		NAME OR NUMBER			H.P.		HOURS		LOST TIME:									
40' Crewboat		Cape Anne			400		12:00				MAJOR REPAIRS AND ALTERATIONS:		00:00		00:00		0.0	
											CESSATION:		00:00		00:00		0.0	
											COLLISIONS:		00:00		00:00		0.0	
											TOTALS:		00:00		00:00		0.0	
											TOTAL TIME/MILES:		00:00		24:00		0.0	

QUALITY CONTROL REPORT-HOPPER DREDGE					PAGE NO. Page 270 of 494	
CONTRACT NO. W91278-16-D-0041 0001		CONTRACT TITLE IDIQ Rental Hopper Dredge in Mobile		CONTRACTOR Dutra Dredging Company		REPORT NO. 132
DREDGE		NAME AND TYPE M/V Columbia			DATE 12 Jun 2016 - Sunday	
LOADS						
LOAD NUMBER	DREDGING AREA DISPOSAL AREA	START TIME STOP TIME (HH:MM)	PUMPING TURNING (MIN)	TO DUMP DUMPING TO CUT (MIN)	TOTAL TIME DREDGED AMOUNT AGITATED AMOUNT (MIN/CYS)	
1	Sta 760+00 to 820+00 Mobile 102 SW	00:00 00:01	1 0	50 4 0	55 2,635 0	
2	Sta 760+00 to 820+00 Mobile 102 SW	00:55 01:24	29 0	165 4 169	367 2,635 0	
3	Sta 760+00 to 820+00 Mobile 102 SW	07:02 07:41	30 9	167 4 153	363 2,635 0	
4	Sta 760+00 to 820+00 Mobile 102 SW	13:05 13:38	26 7	161 4 166	364 2,635 0	
5	Sta 760+00 to 820+00 Mobile 102 SW	19:09 19:51	30 12	90 0 159	291 0 0	
QC NARRATIVE(S) GENERAL COMMENTS 1440 Minutes @ 100%						

QUALITY CONTROL REPORT-HOPPER DREDGE										PAGE NO. <div>Page 271 of 494</div>	
CONTRACT NO. W91278-16-D-0041 0001		CONTRACT TITLE IDIQ Rental Hopper Dredge in Mobile				CONTRACTOR Dutra Dredging Company				REPORT NO. 133	
CHARACTER OF REPORT		<input checked="" type="checkbox"/> MAINTENANCE <input type="checkbox"/> NEW WORK								DATE 13 Jun 2016 - Monday	
DREDGE (M/V Columbia)		HOPPER CAP: 4,387 CY			AVG VOL OF BIN WATER: 4,387 CY			AVG UNFILLED CAP: 4,387 CY			
		NO. OF CREW MEMBERS	DREDGE 13		OTHER PLANT 5	WORK SCHEDULE	SHIFTS PER DAY 2	DAYS PER WEEK 7			
LOCATION OF WORK		LOCATION CHANNEL Mobile Harbor		REACH DREDGED; STA TO STA Sta 760+00 to 820+00		DISPOSAL AREA USE Mobile 102 -SW		QTY DEPOSITED GROSS(CY) 10,540	CUMULATIVE AND QTY DEPOSIT FOR DA(CY) 1,264,800		
		AVG LENGTH OF CUT 6,000 FT			AVG WIDTH OF CUT 400 FT			AVG DIST TO DUMP 27 NM			
CHARACTER OF MATERIAL		DENSITY OF MATERIALS						GMS/LITER 1.045			
		DENSITY OF WATER			1.006			GMS/LITER@ 70 °F			
RIVER/TIDE STAGE		MIN 1	TIME 00:00	MAX 0	TIME 00:00	GAGE LOCATION Dog River					
		MIN 1	TIME 00:00	MAX 0	TIME 00:00	GAGE DATUM MLLW					
WEATHER CONDITION		WEATHER Weather Caused No Delay			TEMP (min / max) 75 °F / 93 °F		VISIBILITY 10		WIND 12		
DRAFT					DISTRIBUTION OF TIME AND MILES RUN						
FORWARD		LIGHT		LOADED				AGITATING (MIN)	DREDGE & HAUL (MIN)	MILES RUN (NAUT MI)	
		8		15							
AFT						EFFECTIVE WORKING TIME:					
		10		16							
DRAG DEPTH MAX 49 MIN 44					PUMPING:		00:00	02:04	0.0		
INDICATORS LAST CHECKED ON 04/17/2016					TURNING:		00:00	00:25	0.0		
					TO DUMP:		00:00	10:25	0.0		
AVERAGE SPEED OF DREDGE DURING LOADING					CONNECTING:		00:00	00:00	0.0		
			FT/MIN 2		DUMPING:		00:00	00:16	0.0		
AVERAGE SPEED OF DREDGE DURING AGITATING					DISCONNECTING:		00:00	00:00	0.0		
			FT/MIN 0		TO CUT:		00:00	10:50	0.0		
GALLONS OF FUEL OIL CONSUMED					TOTALS:		00:00	24:00	0.0		
			GAL 2,838		NON-EFFECTIVE WORKING TIME:						
GALLONS OF WATER CONSUMED					TAKING ON FUEL AND SUPPLIES:		00:00	00:00	0.0		
			GAL 561		TO AND FROM WHARF OR ANCHORAGE:		00:00	00:00	0.0		
WORK PERFORMED					LOSS DUE TO NATURAL ELEMENTS:		00:00	00:00	0.0		
DREDGING AND HAULING			AGITATING		LOSS DUE TO TRAFFIC AND BRIDGES		00:00	00:00	0.0		
NO. OF LOADS	TOTAL CYS	DISPOSAL AREA		TOTAL CYS	MINOR OPERATING REPAIRS:		00:00	00:00	0.0		
5	10,540	Mobile 102 SW		0	TRANSFERRING BETWEEN WORKS:		00:00	00:00	0.0		
					LAY TIME:		00:00	00:00	0.0		
					FIRE AND BOAT DRILLS:		00:00	00:00	0.0		
ATTENDANT PLANT					MISCELLANEOUS:		00:00	00:00	0.0		
ITEM	NAME OR NUMBER		H.P.	HOURS	TOTALS:		00:00	00:00	0.0		
40' Crewboat	Cape Anne		400	12:00	LOST TIME:						
					MAJOR REPAIRS AND ALTERATIONS:		00:00	00:00	0.0		
					CESSATION:		00:00	00:00	0.0		
					COLLISIONS:		00:00	00:00	0.0		
					TOTALS:		00:00	00:00	0.0		
					TOTAL TIME/MILES:		00:00	24:00	0.0		

QUALITY CONTROL REPORT-HOPPER DREDGE			PAGE NO. Page 272 of 494
CONTRACT NO. W91278-16-D-0041 0001	CONTRACT TITLE IDIQ Rental Hopper Dredge in Mobile	CONTRACTOR Dutra Dredging Company	REPORT NO. 133
DREDGE	NAME AND TYPE M/V Columbia	DATE 13 Jun 2016 - Monday	

LOADS					
LOAD NUMBER	DREDGING AREA DISPOSAL AREA	START TIME STOP TIME (HH:MM)	PUMPING TURNING (MIN)	TO DUMP DUMPING TO CUT (MIN)	TOTAL TIME DREDGED AMOUNT AGITATED AMOUNT (MIN/CYS)
1	Sta 760+00 to 820+00 Mobile 102 SW	00:00 00:01	1 0	72 4 0	77 2,635 0
2	Sta 760+00 to 820+00 Mobile 102 SW	01:17 01:48	28 3	178 4 155	368 2,635 0
3	Sta 760+00 to 820+00 Mobile 102 SW	07:25 08:02	37 0	173 4 162	376 2,635 0
4	Sta 760+00 to 820+00 Mobile 102 SW	13:41 14:22	28 13	161 4 177	383 2,635 0
5	Sta 760+00 to 820+00 Mobile 102 SW	20:04 20:43	30 9	41 0 156	236 0 0

QC NARRATIVE(S)

GENERAL COMMENTS

1440 Minutes @ 100%

QUALITY CONTROL REPORT-HOPPER DREDGE										PAGE NO. Page 273 of 494	
CONTRACT NO. W91278-16-D-0041 0001		CONTRACT TITLE IDIQ Rental Hopper Dredge in Mobile					CONTRACTOR Dutra Dredging Company			REPORT NO. 134	
CHARACTER OF REPORT		<input checked="" type="checkbox"/> MAINTENANCE <input type="checkbox"/> NEW WORK							DATE 14 Jun 2016 - Tuesday		
DREDGE (M/V Columbia)		HOPPER CAP: 4,387 CY		AVG VOL OF BIN WATER: 4,387 CY		AVG UNFILLED CAP: 4,387 CY					
		NO. OF CREW MEMBERS	DREDGE 13	OTHER PLANT 5	WORK SCHEDULE	SHIFTS PER DAY 2	DAYS PER WEEK 7				
LOCATION OF WORK		LOCATION CHANNEL Mobile Harbor	REACH DREDGED; STA TO STA Sta 760+00 to 820+00		DISPOSAL AREA USE Mobile 102 -SW		QTY DEPOSITED GROSS(CY) 10,270	CUMULATIVE AND QTY DEPOSIT FOR DA(CY) 1,275,070			
		AVG LENGTH OF CUT 6,000 FT		AVG WIDTH OF CUT 400 FT		AVG DIST TO DUMP 27 NM					
CHARACTER OF MATERIAL		DENSITY OF MATERIALS						GMS/LITER 1.045			
		DENSITY OF WATER			1.006			GMS/LITER@ 70 °F			
RIVER/TIDE STAGE		MIN 1	TIME 00:00	MAX 0	TIME 00:00	GAGE LOCATION Dog River					
		MIN 0	TIME 00:00	MAX 0	TIME 00:00	GAGE DATUM MLLW					
WEATHER CONDITION		WEATHER Weather Caused No Delay		TEMP (min / max) 75 °F / 87 °F		VISIBILITY 10		WIND 32			
DRAFT					DISTRIBUTION OF TIME AND MILES RUN						
FORWARD		LIGHT		LOADED				AGITATING (MIN)	DREDGE & HAUL (MIN)	MILES RUN (NAUT MI)	
		8		15				EFFECTIVE WORKING TIME:			
AFT											
		10		16							
DRAG DEPTH MAX 49 MIN 44					PUMPING:		00:00	01:36	0.0		
INDICATORS LAST CHECKED ON 04/17/2016					TURNING:		00:00	00:20	0.0		
					TO DUMP:		00:00	11:33	0.0		
AVERAGE SPEED OF DREDGE DURING LOADING				FT/MIN	CONNECTING:		00:00	00:00	0.0		
				2	DUMPING:		00:00	00:16	0.0		
AVERAGE SPEED OF DREDGE DURING AGITATING				FT/MIN	DISCONNECTING:		00:00	00:00	0.0		
				0	TO CUT:		00:00	10:15	0.0		
GALLONS OF FUEL OIL CONSUMED				GAL	TOTALS:		00:00	24:00	0.0		
				2,500	NON-EFFECTIVE WORKING TIME:						
GALLONS OF WATER CONSUMED				GAL	TAKING ON FUEL AND SUPPLIES:		00:00	00:00	0.0		
				561	TO AND FROM WHARF OR ANCHORAGE:		00:00	00:00	0.0		
WORK PERFORMED					LOSS DUE TO NATURAL ELEMENTS:		00:00	00:00	0.0		
DREDGING AND HAULING				AGITATING		LOSS DUE TO TRAFFIC AND BRIDGES		00:00	00:00	0.0	
NO. OF LOADS	TOTAL CYS	DISPOSAL AREA		TOTAL CYS		MINOR OPERATING REPAIRS:		00:00	00:00	0.0	
5	10,270	Mobile 102-SW		0		TRANSFERRING BETWEEN WORKS:		00:00	00:00	0.0	
						LAY TIME:		00:00	00:00	0.0	
						FIRE AND BOAT DRILLS:		00:00	00:00	0.0	
ATTENDANT PLANT					MISCELLANEOUS:		00:00	00:00	0.0		
ITEM	NAME OR NUMBER		H.P.	HOURS	TOTALS:		00:00	00:00	0.0		
40' Crewboat	Cape Anne		400	12:00	LOST TIME:						
					MAJOR REPAIRS AND ALTERATIONS:		00:00	00:00	0.0		
					CESSATION:		00:00	00:00	0.0		
					COLLISIONS:		00:00	00:00	0.0		
					TOTALS:		00:00	00:00	0.0		
					TOTAL TIME/MILES:		00:00	24:00	0.0		

QUALITY CONTROL REPORT-HOPPER DREDGE					PAGE NO. Page 274 of 494	
CONTRACT NO. W91278-16-D-0041 0001		CONTRACT TITLE IDIQ Rental Hopper Dredge in Mobile		CONTRACTOR Dutra Dredging Company		REPORT NO. 134
DREDGE		NAME AND TYPE M/V Columbia			DATE 14 Jun 2016 - Tuesday	
LOADS						
LOAD NUMBER	DREDGING AREA DISPOSAL AREA	START TIME STOP TIME (HH:MM)	PUMPING TURNING (MIN)	TO DUMP DUMPING TO CUT (MIN)	TOTAL TIME DREDGED AMOUNT AGITATED AMOUNT (MIN/CYS)	
1	Sta 760+00 to 820+00 Mobile 102-SW	00:00 00:01	1 0	124 4 0	129 2,635 0	
2	Sta 760+00 to 820+00 Mobile 102-SW	02:09 02:33	24 0	167 4 162	357 2,365 0	
3	Sta 760+00 to 820+00 Mobile 102-SW	08:06 08:42	30 6	242 4 173	455 2,635 0	
4	Sta 760+00 to 820+00 Mobile 102-SW	15:41 16:35	40 14	160 4 149	367 2,635 0	
5	Sta 760+00 to 820+00 Mobile 102-SW	21:48 21:49	1 0	0 0 131	132 0 0	
QC NARRATIVE(S)						
GENERAL COMMENTS						
1440 Minutes @ 100%						

QUALITY CONTROL REPORT-HOPPER DREDGE										PAGE NO. Page 275 of 494							
CONTRACT NO. W91278-16-D-0041 0001		CONTRACT TITLE IDIQ Rental Hopper Dredge in Mobile					CONTRACTOR Dutra Dredging Company			REPORT NO. 135							
CHARACTER OF REPORT		<input checked="" type="checkbox"/> MAINTENANCE <input type="checkbox"/> NEW WORK							DATE 15 Jun 2016 - Wednesday								
DREDGE (M/V Columbia)		HOPPER CAP: 4,387 CY		AVG VOL OF BIN WATER: 4,387 CY			AVG UNFILLED CAP: 4,387 CY										
		NO. OF CREW MEMBERS	DREDGE 13	OTHER PLANT 5	WORK SCHEDULE	SHIFTS PER DAY 2		DAYS PER WEEK 7									
LOCATION OF WORK		LOCATION CHANNEL Mobile Harbor		REACH DREDGED; STA TO STA Sta 760+00 to 820+00		DISPOSAL AREA USE Mobile 102 -SW		QTY DEPOSITED GROSS(CY) 10,540		CUMULATIVE AND QTY DEPOSIT FOR DA(CY) 1,285,610							
		AVG LENGTH OF CUT 6,000 FT			AVG WIDTH OF CUT 400 FT			AVG DIST TO DUMP 27 NM									
CHARACTER OF MATERIAL		DENSITY OF MATERIALS						GMS/LITER 1.045									
		DENSITY OF WATER			1.006			GMS/LITER@ 70 °F									
RIVER/TIDE STAGE		MIN 1	TIME 00:00	MAX 0	TIME 00:00	GAGE LOCATION Dog River											
		MIN 1	TIME 00:00	MAX 0	TIME 00:00	GAGE DATUM MLLW											
WEATHER CONDITION		WEATHER Weather Caused No Delay			TEMP (min / max) 78 °F / 90 °F		VISIBILITY 10		WIND 21								
DRAFT					DISTRIBUTION OF TIME AND MILES RUN												
FORWARD		LIGHT		LOADED				AGITATING (MIN)		DREDGE & HAUL (MIN)		MILES RUN (NAUT MI)					
		8		15		EFFECTIVE WORKING TIME:											
AFT		10		16		PUMPING:		00:00		02:07		0.0					
						TURNING:		00:00		00:39		0.0					
DRAG DEPTH MAX 49 MIN 44					TO DUMP:		00:00		11:46		0.0						
					CONNECTING:		00:00		00:00		0.0						
INDICATORS LAST CHECKED ON 04/17/2016					DUMPING:		00:00		00:16		0.0						
					DISCONNECTING:		00:00		00:00		0.0						
AVERAGE SPEED OF DREDGE DURING LOADING						FT/MIN		2		TO CUT:		00:00		09:12		0.0	
AVERAGE SPEED OF DREDGE DURING AGITATING						FT/MIN		0		TOTALS:		00:00		24:00		0.0	
GALLONS OF FUEL OIL CONSUMED						GAL		2,952		NON-EFFECTIVE WORKING TIME:							
GALLONS OF WATER CONSUMED						GAL		1,122		TAKING ON FUEL AND SUPPLIES:		00:00		00:00		0.0	
WORK PERFORMED					TO AND FROM WHARF OR ANCHORAGE:		00:00		00:00		0.0						
DREDGING AND HAULING				AGITATING		LOSS DUE TO NATURAL ELEMENTS:		00:00		00:00		0.0					
NO. OF LOADS	TOTAL CYS	DISPOSAL AREA		TOTAL CYS		LOSS DUE TO TRAFFIC AND BRIDGES		00:00		00:00		0.0					
5	10,540	Mobile 102-SW		0		MINOR OPERATING REPAIRS:		00:00		00:00		0.0					
						TRANSFERRING BETWEEN WORKS:		00:00		00:00		0.0					
						LAY TIME:		00:00		00:00		0.0					
						FIRE AND BOAT DRILLS:		00:00		00:00		0.0					
ATTENDANT PLANT					MISCELLANEOUS:		00:00		00:00		0.0						
ITEM		NAME OR NUMBER		H.P.	HOURS	TOTALS:		00:00		00:00		0.0					
40' Crewboat		Cape Anne		400	12:00	LOST TIME:											
						MAJOR REPAIRS AND ALTERATIONS:		00:00		00:00		0.0					
						CESSATION:		00:00		00:00		0.0					
						COLLISIONS:		00:00		00:00		0.0					
						TOTALS:		00:00		00:00		0.0					
						TOTAL TIME/MILES:		00:00		24:00		0.0					

QUALITY CONTROL REPORT-HOPPER DREDGE					PAGE NO. Page 276 of 494	
CONTRACT NO. W91278-16-D-0041 0001		CONTRACT TITLE IDIQ Rental Hopper Dredge in Mobile		CONTRACTOR Dutra Dredging Company		REPORT NO. 135
DREDGE		NAME AND TYPE M/V Columbia			DATE 15 Jun 2016 - Wednesday	
LOADS						
LOAD NUMBER	DREDGING AREA DISPOSAL AREA	START TIME STOP TIME (HH:MM)	PUMPING TURNING (MIN)	TO DUMP DUMPING TO CUT (MIN)	TOTAL TIME DREDGED AMOUNT AGITATED AMOUNT (MIN/CYS)	
1	Sta 760+00 to 820+00 Mobile 102-SW	00:00 00:35	23 12	182 4 24	245 2,635 0	
2	Sta 760+00 to 820+00 Mobile 102-SW	04:05 04:46	41 0	188 4 209	442 2,635 0	
3	Sta 760+00 to 820+00 Mobile 102-SW	11:27 12:07	28 12	153 4 159	356 2,635 0	
4	Sta 760+00 to 820+00 Mobile 102-SW	17:23 18:12	34 15	183 4 160	396 2,635 0	
5	Sta 760+00 to 820+00 Mobile 102-SW	23:59 24:00	1 0	0 0 0	1 0 0	
QC NARRATIVE(S) GENERAL COMMENTS 1440 Minutes @ 100%						

QUALITY CONTROL REPORT-HOPPER DREDGE										PAGE NO. Page 277 of 494						
CONTRACT NO. W91278-16-D-0041 0001		CONTRACT TITLE IDIQ Rental Hopper Dredge in Mobile					CONTRACTOR Dutra Dredging Company			REPORT NO. 136						
CHARACTER OF REPORT		<input checked="" type="checkbox"/> MAINTENANCE <input type="checkbox"/> NEW WORK							DATE 16 Jun 2016 - Thursday							
DREDGE (M/V Columbia)		HOPPER CAP: 4,387 CY		AVG VOL OF BIN WATER: 4,387 CY		AVG UNFILLED CAP: 4,387 CY										
		NO. OF CREW MEMBERS	DREDGE 13	OTHER PLANT 5	WORK SCHEDULE	SHIFTS PER DAY 2		DAYS PER WEEK 7								
LOCATION OF WORK		LOCATION CHANNEL Mobile Harbor		REACH DREDGED; STA TO STA Sta 760+00 to 820+00		DISPOSAL AREA USE Mobile 102 -SW		QTY DEPOSITED GROSS(CY) 0		CUMULATIVE AND QTY DEPOSIT FOR DA(CY) 1,285,610						
		AVG LENGTH OF CUT 6,000 FT		AVG WIDTH OF CUT 400 FT		AVG DIST TO DUMP 27 NM										
CHARACTER OF MATERIAL		DENSITY OF MATERIALS						GMS/LITER 1.045								
		DENSITY OF WATER			1.006			GMS/LITER@ 70 °F								
RIVER/TIDE STAGE		MIN 0	TIME 00:00	MAX 0	TIME 00:00	GAGE LOCATION Dog River										
		MIN 0	TIME 00:00	MAX 0	TIME 00:00	GAGE DATUM MLLW										
WEATHER CONDITION		WEATHER			TEMP (min / max)		VISIBILITY		WIND							
		Weather Caused No Delay			79 °F / 94 °F		10		25							
DRAFT					DISTRIBUTION OF TIME AND MILES RUN											
FORWARD		LIGHT		LOADED				AGITATING (MIN)		DREDGE & HAUL (MIN)		MILES RUN (NAUT MI)				
		8		15		EFFECTIVE WORKING TIME:										
AFT		10		16		PUMPING:		00:00		00:01		0.0				
						TURNING:		00:00		00:00		0.0				
DRAG DEPTH MAX 49 MIN 44					TO DUMP:		00:00		00:00		0.0					
					CONNECTING:		00:00		00:00		0.0					
INDICATORS LAST CHECKED ON 04/17/2016					DUMPING:		00:00		00:00		0.0					
					DISCONNECTING:		00:00		00:00		0.0					
AVERAGE SPEED OF DREDGE DURING LOADING					FT/MIN		2		TO CUT:		00:00		02:39		0.0	
AVERAGE SPEED OF DREDGE DURING AGITATING					FT/MIN		0		TOTALS:		00:00		02:40		0.0	
GALLONS OF FUEL OIL CONSUMED					GAL		875		NON-EFFECTIVE WORKING TIME:							
GALLONS OF WATER CONSUMED					GAL		748		TAKING ON FUEL AND SUPPLIES:		00:00		02:50		0.0	
WORK PERFORMED					TO AND FROM WHARF OR ANCHORAGE:		00:00		00:55		0.0					
					LOSS DUE TO NATURAL ELEMENTS:		00:00		00:00		0.0					
DREDGING AND HAULING			AGITATING		LOSS DUE TO TRAFFIC AND BRIDGES		00:00		00:00		0.0					
NO. OF LOADS	TOTAL CYS	DISPOSAL AREA		TOTAL CYS		MINOR OPERATING REPAIRS:		00:00		17:35		0.0				
1	0	Mobile 102-SW		0		TRANSFERRING BETWEEN WORKS:		00:00		00:00		0.0				
						LAY TIME:		00:00		00:00		0.0				
						FIRE AND BOAT DRILLS:		00:00		00:00		0.0				
ATTENDANT PLANT					MISCELLANEOUS:		00:00		00:00		0.0					
					TOTALS:		00:00		21:20		0.0					
ITEM		NAME OR NUMBER		H.P.	HOURS	LOST TIME:										
40' Crewboat		Cape Anne		400	12:00	MAJOR REPAIRS AND ALTERATIONS:		00:00		00:00		0.0				
						CESSATION:		00:00		00:00		0.0				
						COLLISIONS:		00:00		00:00		0.0				
						TOTALS:		00:00		00:00		0.0				
						TOTAL TIME/MILES:		00:00		24:00		0.0				

QUALITY CONTROL REPORT-HOPPER DREDGE					PAGE NO. <div>Page 278 of 494</div>	
CONTRACT NO. W91278-16-D-0041 0001		CONTRACT TITLE IDIQ Rental Hopper Dredge in Mobile		CONTRACTOR Dutra Dredging Company		REPORT NO. 136
DREDGE		NAME AND TYPE M/V Columbia			DATE 16 Jun 2016 - Thursday	
LOADS						
LOAD NUMBER	DREDGING AREA DISPOSAL AREA		START TIME STOP TIME (HH:MM)	PUMPING TURNING (MIN)	TO DUMP DUMPING TO CUT (MIN)	TOTAL TIME DREDGED AMOUNT AGITATED AMOUNT (MIN/CYS)
1	Sta 760+00 to 820+00 Mobile 102-SW		00:00 00:01	1 0	0 0 159	160 0 0
QC NARRATIVE(S) GENERAL COMMENTS 160 Minutes @ 100% 1280 Minutes @ 0% minor repairs and Fueling						

QUALITY CONTROL REPORT-HOPPER DREDGE										PAGE NO. Page 279 of 494	
CONTRACT NO. W91278-16-D-0041 0001		CONTRACT TITLE IDIQ Rental Hopper Dredge in Mobile					CONTRACTOR Dutra Dredging Company			REPORT NO. 137	
CHARACTER OF REPORT		<input checked="" type="checkbox"/> MAINTENANCE <input type="checkbox"/> NEW WORK							DATE 17 Jun 2016 - Friday		
DREDGE (M/V Columbia)		HOPPER CAP: 4,387 CY		AVG VOL OF BIN WATER: 4,387 CY		AVG UNFILLED CAP: 4,387 CY					
		NO. OF CREW MEMBERS	DREDGE 13	OTHER PLANT 5	WORK SCHEDULE	SHIFTS PER DAY 2	DAYS PER WEEK 7				
LOCATION OF WORK		LOCATION CHANNEL Mobile Harbor	REACH DREDGED; STA TO STA Sta 700+00 to 760+00		DISPOSAL AREA USE Mobile 102 -SW		QTY DEPOSITED GROSS(CY) 7,905	CUMULATIVE AND QTY DEPOSIT FOR DA(CY) 1,293,515			
		AVG LENGTH OF CUT 6,000 FT		AVG WIDTH OF CUT 400 FT		AVG DIST TO DUMP 28 NM					
CHARACTER OF MATERIAL		DENSITY OF MATERIALS						GMS/LITER 1.045			
		DENSITY OF WATER			1.006			GMS/LITER@ 70 °F			
RIVER/TIDE STAGE		MIN 0	TIME 00:00	MAX 0	TIME 00:00	GAGE LOCATION Dog River					
		MIN 1	TIME 00:00	MAX 0	TIME 00:00	GAGE DATUM MLLW					
WEATHER CONDITION		WEATHER Weather Caused No Delay		TEMP (min / max) 72 °F / 97 °F		VISIBILITY 10		WIND 43			
DRAFT					DISTRIBUTION OF TIME AND MILES RUN						
FORWARD		LIGHT		LOADED				AGITATING (MIN)	DREDGE & HAUL (MIN)	MILES RUN (NAUT MI)	
		8		15				EFFECTIVE WORKING TIME:			
AFT											
		10		16							
DRAG DEPTH MAX 49 MIN 44					PUMPING:		00:00	02:04	0.0		
INDICATORS LAST CHECKED ON 04/17/2016					TURNING:		00:00	00:00	0.0		
					TO DUMP:		00:00	08:34	0.0		
AVERAGE SPEED OF DREDGE DURING LOADING				FT/MIN	CONNECTING:		00:00	00:00	0.0		
				2	DUMPING:		00:00	00:12	0.0		
AVERAGE SPEED OF DREDGE DURING AGITATING				FT/MIN	DISCONNECTING:		00:00	00:00	0.0		
				0	TO CUT:		00:00	09:25	0.0		
GALLONS OF FUEL OIL CONSUMED				GAL	TOTALS:		00:00	20:15	0.0		
				2,470	NON-EFFECTIVE WORKING TIME:						
GALLONS OF WATER CONSUMED				GAL	TAKING ON FUEL AND SUPPLIES:		00:00	00:00	0.0		
				935	TO AND FROM WHARF OR ANCHORAGE:		00:00	00:57	0.0		
WORK PERFORMED					LOSS DUE TO NATURAL ELEMENTS:		00:00	00:00	0.0		
DREDGING AND HAULING				AGITATING		LOSS DUE TO TRAFFIC AND BRIDGES		00:00	00:00	0.0	
NO. OF LOADS	TOTAL CYS	DISPOSAL AREA		TOTAL CYS		MINOR OPERATING REPAIRS:		00:00	02:48	0.0	
4	7,905	Mobile 102-SW		0		TRANSFERRING BETWEEN WORKS:		00:00	00:00	0.0	
						LAY TIME:		00:00	00:00	0.0	
						FIRE AND BOAT DRILLS:		00:00	00:00	0.0	
ATTENDANT PLANT					MISCELLANEOUS:		00:00	00:00	0.0		
ITEM	NAME OR NUMBER		H.P.	HOURS	TOTALS:		00:00	03:45	0.0		
40' Crewboat	Cape Anne		400	12:00	LOST TIME:						
					MAJOR REPAIRS AND ALTERATIONS:		00:00	00:00	0.0		
					CESSATION:		00:00	00:00	0.0		
					COLLISIONS:		00:00	00:00	0.0		
					TOTALS:		00:00	00:00	0.0		
					TOTAL TIME/MILES:		00:00	24:00	0.0		

QUALITY CONTROL REPORT-HOPPER DREDGE			PAGE NO. Page 280 of 494
CONTRACT NO. W91278-16-D-0041 0001	CONTRACT TITLE IDIQ Rental Hopper Dredge in Mobile	CONTRACTOR Dutra Dredging Company	REPORT NO. 137
DREDGE	NAME AND TYPE M/V Columbia	DATE 17 Jun 2016 - Friday	

LOADS					
LOAD NUMBER	DREDGING AREA DISPOSAL AREA	START TIME STOP TIME (HH:MM)	PUMPING TURNING (MIN)	TO DUMP DUMPING TO CUT (MIN)	TOTAL TIME DREDGED AMOUNT AGITATED AMOUNT (MIN/CYS)
1	Sta 700+00 to 760+00 Mobile 102-SW	03:45 04:16	31 0	174 4 34	243 2,635 0
2	Sta 700+00 to 760+00 Mobile 102-SW	07:48 08:19	31 0	164 4 179	378 2,635 0
3	Sta 700+00 to 760+00 Mobile 102-SW	14:06 14:39	33 0	173 4 171	381 2,635 0
4	Sta 700+00 to 760+00 Mobile 102-SW	20:27 20:56	29 0	3 0 181	213 0 0

QC NARRATIVE(S)

GENERAL COMMENTS

1215 Minutes @ 100%
225 Minutes @ 0% Minor Repairs

QUALITY CONTROL REPORT-HOPPER DREDGE										PAGE NO. Page 281 of 494								
CONTRACT NO. W91278-16-D-0041 0001		CONTRACT TITLE IDIQ Rental Hopper Dredge in Mobile					CONTRACTOR Dutra Dredging Company			REPORT NO. 138								
CHARACTER OF REPORT		<input checked="" type="checkbox"/> MAINTENANCE <input type="checkbox"/> NEW WORK							DATE 18 Jun 2016 - Saturday									
DREDGE (M/V Columbia)		HOPPER CAP: 4,387 CY		AVG VOL OF BIN WATER: 4,387 CY			AVG UNFILLED CAP: 4,387 CY											
		NO. OF CREW MEMBERS	DREDGE 13	OTHER PLANT 5		WORK SCHEDULE		SHIFTS PER DAY 2		DAYS PER WEEK 7								
LOCATION OF WORK		LOCATION CHANNEL Mobile Harbor		REACH DREDGED; STA TO STA Sta 700+00 to 760+00			DISPOSAL AREA USE Mobile 102 -SW		QTY DEPOSITED GROSS(CY) 7,905		CUMULATIVE AND QTY DEPOSIT FOR DA(CY) 1,301,420							
		AVG LENGTH OF CUT 6,000 FT			AVG WIDTH OF CUT 400 FT			AVG DIST TO DUMP 28 NM										
CHARACTER OF MATERIAL		DENSITY OF MATERIALS						GMS/LITER 1.045										
		DENSITY OF WATER				1.006		GMS/LITER@ 70 °F										
RIVER/TIDE STAGE		MIN 1	TIME 00:00	MAX 0	TIME 00:00	GAGE LOCATION Dog River												
		MIN 1	TIME 00:00	MAX 0	TIME 00:00	GAGE DATUM MLLW												
WEATHER CONDITION		WEATHER			TEMP (min / max)		VISIBILITY		WIND									
		Weather Caused No Delay			71 °F / 89 °F		10		28									
DRAFT					DISTRIBUTION OF TIME AND MILES RUN													
FORWARD		LIGHT		LOADED				AGITATING (MIN)		DREDGE & HAUL (MIN)		MILES RUN (NAUT MI)						
		8		15		EFFECTIVE WORKING TIME:												
AFT		10		16		PUMPING:		00:00		01:25		0.0						
						TURNING:		00:00		00:00		0.0						
DRAG DEPTH MAX 49 MIN 44					TO DUMP:		00:00		10:33		0.0							
					CONNECTING:		00:00		00:00		0.0							
INDICATORS LAST CHECKED ON 04/17/2016					DUMPING:		00:00		00:12		0.0							
					DISCONNECTING:		00:00		00:00		0.0							
AVERAGE SPEED OF DREDGE DURING LOADING							FT/MIN		2		TO CUT:		00:00		08:41		0.0	
AVERAGE SPEED OF DREDGE DURING AGITATING							FT/MIN		0		TOTALS:		00:00		20:51		0.0	
GALLONS OF FUEL OIL CONSUMED							GAL		2,725		NON-EFFECTIVE WORKING TIME:							
GALLONS OF WATER CONSUMED							GAL		561		TAKING ON FUEL AND SUPPLIES:		00:00		00:00		0.0	
WORK PERFORMED											TO AND FROM WHARF OR ANCHORAGE:		00:00		00:00		0.0	
											LOSS DUE TO NATURAL ELEMENTS:		00:00		00:00		0.0	
DREDGING AND HAULING				AGITATING						LOSS DUE TO TRAFFIC AND BRIDGES		00:00		00:00		0.0		
NO. OF LOADS		TOTAL CYS		DISPOSAL AREA		TOTAL CYS				MINOR OPERATING REPAIRS:		00:00		03:09		0.0		
4		7,905		Mobile 102-SW		0				TRANSFERRING BETWEEN WORKS:		00:00		00:00		0.0		
										LAY TIME:		00:00		00:00		0.0		
										FIRE AND BOAT DRILLS:		00:00		00:00		0.0		
ATTENDANT PLANT											MISCELLANEOUS:		00:00		00:00		0.0	
											TOTALS:		00:00		03:09		0.0	
ITEM		NAME OR NUMBER			H.P.		HOURS		LOST TIME:									
40' Crewboat		Cape Anne			400		12:00				MAJOR REPAIRS AND ALTERATIONS:		00:00		00:00		0.0	
											CESSATION:		00:00		00:00		0.0	
											COLLISIONS:		00:00		00:00		0.0	
											TOTALS:		00:00		00:00		0.0	
											TOTAL TIME/MILES:		00:00		24:00		0.0	

QUALITY CONTROL REPORT-HOPPER DREDGE					PAGE NO. Page 282 of 494	
CONTRACT NO. W91278-16-D-0041 0001		CONTRACT TITLE IDIQ Rental Hopper Dredge in Mobile		CONTRACTOR Dutra Dredging Company		REPORT NO. 138
DREDGE		NAME AND TYPE M/V Columbia			DATE 18 Jun 2016 - Saturday	
LOADS						
LOAD NUMBER	DREDGING AREA DISPOSAL AREA	START TIME STOP TIME (HH:MM)	PUMPING TURNING (MIN)	TO DUMP DUMPING TO CUT (MIN)	TOTAL TIME DREDGED AMOUNT AGITATED AMOUNT (MIN/CYS)	
1	Sta 700+00 to 760+00 Mobile 102-SW	00:00 00:01	1 0	183 4 0	188 2,635 0	
2	Sta 700+00 to 760+00 Mobile 102-SW	03:08 03:40	32 0	174 4 160	370 2,635 0	
3	Sta 700+00 to 760+00 Mobile 102-SW	09:18 09:45	27 0	160 4 172	363 2,635 0	
4	Sta 700+00 to 760+00 Mobile 102-SW	15:21 15:46	25 0	116 0 189	330 0 0	
QC NARRATIVE(S) GENERAL COMMENTS 1251 Minutes @ 100% 189 Minutes @ 0% Minor Repairs						

QUALITY CONTROL REPORT-HOPPER DREDGE										PAGE NO. Page 283 of 494	
CONTRACT NO. W91278-16-D-0041 0001		CONTRACT TITLE IDIQ Rental Hopper Dredge in Mobile					CONTRACTOR Dutra Dredging Company			REPORT NO. 139	
CHARACTER OF REPORT		<input checked="" type="checkbox"/> MAINTENANCE <input type="checkbox"/> NEW WORK							DATE 19 Jun 2016 - Sunday		
DREDGE (M/V Columbia)		HOPPER CAP: 4,387 CY		AVG VOL OF BIN WATER: 4,387 CY		AVG UNFILLED CAP: 4,387 CY					
		NO. OF CREW MEMBERS	DREDGE 13	OTHER PLANT 5	WORK SCHEDULE	SHIFTS PER DAY 2	DAYS PER WEEK 7				
LOCATION OF WORK		LOCATION CHANNEL Mobile Harbor	REACH DREDGED; STA TO STA Sta 700+00 to 760+00		DISPOSAL AREA USE Mobile 102 -SW		QTY DEPOSITED GROSS(CY) 13,175	CUMULATIVE AND QTY DEPOSIT FOR DA(CY) 1,314,595			
		AVG LENGTH OF CUT 6,000 FT		AVG WIDTH OF CUT 400 FT		AVG DIST TO DUMP 28 NM					
CHARACTER OF MATERIAL		DENSITY OF MATERIALS					GMS/LITER 1.045				
		DENSITY OF WATER			1.006		GMS/LITER@ 70 °F				
RIVER/TIDE STAGE		MIN 1	TIME 00:00	MAX 0	TIME 00:00	GAGE LOCATION Dog River					
		MIN 1	TIME 00:00	MAX 0	TIME 00:00	GAGE DATUM MLLW					
WEATHER CONDITION		WEATHER Weather Caused No Delay		TEMP (min / max) 74 °F / 87 °F		VISIBILITY 10		WIND 25			
DRAFT					DISTRIBUTION OF TIME AND MILES RUN						
FORWARD	LIGHT		LOADED			AGITATING (MIN)	DREDGE & HAUL (MIN)	MILES RUN (NAUT MI)			
	8		15		EFFECTIVE WORKING TIME:						
AFT	10		16		PUMPING:	00:00	01:54	0.0			
					TURNING:	00:00	00:00	0.0			
DRAG DEPTH MAX 49 MIN 44					TO DUMP:	00:00	10:25	0.0			
					CONNECTING:	00:00	00:00	0.0			
INDICATORS LAST CHECKED ON 04/17/2016					DUMPING:	00:00	00:16	0.0			
					DISCONNECTING:	00:00	00:00	0.0			
AVERAGE SPEED OF DREDGE DURING LOADING				FT/MIN	2	TO CUT:	00:00	11:25	0.0		
AVERAGE SPEED OF DREDGE DURING AGITATING				FT/MIN	0	TOTALS:	00:00	24:00	0.0		
GALLONS OF FUEL OIL CONSUMED				GAL	2,453	NON-EFFECTIVE WORKING TIME:					
GALLONS OF WATER CONSUMED				GAL	748	TAKING ON FUEL AND SUPPLIES:	00:00	00:00	0.0		
WORK PERFORMED					TO AND FROM WHARF OR ANCHORAGE:	00:00	00:00	0.0			
DREDGING AND HAULING				AGITATING	LOSS DUE TO NATURAL ELEMENTS:	00:00	00:00	0.0			
NO. OF LOADS	TOTAL CYS	DISPOSAL AREA		TOTAL CYS	LOSS DUE TO TRAFFIC AND BRIDGES	00:00	00:00	0.0			
5	13,175	Mobile 102-SW		0	MINOR OPERATING REPAIRS:	00:00	00:00	0.0			
					TRANSFERRING BETWEEN WORKS:	00:00	00:00	0.0			
					LAY TIME:	00:00	00:00	0.0			
					FIRE AND BOAT DRILLS:	00:00	00:00	0.0			
ATTENDANT PLANT					MISCELLANEOUS:	00:00	00:00	0.0			
ITEM	NAME OR NUMBER		H.P.	HOURS	TOTALS:	00:00	00:00	0.0			
40' Crewboat	Cape Anne		400	12:00	LOST TIME:						
					MAJOR REPAIRS AND ALTERATIONS:	00:00	00:00	0.0			
					CESSATION:	00:00	00:00	0.0			
					COLLISIONS:	00:00	00:00	0.0			
					TOTALS:	00:00	00:00	0.0			
					TOTAL TIME/MILES:	00:00	24:00	0.0			

QUALITY CONTROL REPORT-HOPPER DREDGE					PAGE NO. Page 284 of 494	
CONTRACT NO. W91278-16-D-0041 0001		CONTRACT TITLE IDIQ Rental Hopper Dredge in Mobile		CONTRACTOR Dutra Dredging Company		REPORT NO. 139
DREDGE		NAME AND TYPE M/V Columbia			DATE 19 Jun 2016 - Sunday	
LOADS						
LOAD NUMBER	DREDGING AREA DISPOSAL AREA	START TIME STOP TIME (HH:MM)	PUMPING TURNING (MIN)	TO DUMP DUMPING TO CUT (MIN)	TOTAL TIME DREDGED AMOUNT AGITATED AMOUNT (MIN/CYS)	
1	Sta 700+00 to 760+00 Mobile 102-SW	00:00 00:01	1 0	75 4 0	80 2,635 0	
2	Sta 700+00 to 760+00 Mobile 102-SW	01:20 01:48	28 0	174 4 166	372 2,635 0	
3	Sta 700+00 to 760+00 Mobile 102-SW	07:32 08:01	29 0	171 4 170	374 2,635 0	
4	Sta 700+00 to 760+00 Mobile 102-SW	13:46 14:12	26 0	175 4 176	381 2,635 0	
5	Sta 700+00 to 760+00 Mobile 102-SW	20:07 20:37	30 0	30 0 173	233 2,635 0	
QC NARRATIVE(S)						
GENERAL COMMENTS						
1440 Minutes @ 100%						

QUALITY CONTROL REPORT-HOPPER DREDGE										PAGE NO. Page 285 of 494						
CONTRACT NO. W91278-16-D-0041 0001		CONTRACT TITLE IDIQ Rental Hopper Dredge in Mobile					CONTRACTOR Dutra Dredging Company			REPORT NO. 140						
CHARACTER OF REPORT		<input checked="" type="checkbox"/> MAINTENANCE <input type="checkbox"/> NEW WORK							DATE 20 Jun 2016 - Monday							
DREDGE (M/V Columbia)		HOPPER CAP: 4,387 CY		AVG VOL OF BIN WATER: 4,387 CY		AVG UNFILLED CAP: 4,387 CY										
		NO. OF CREW MEMBERS	DREDGE 13	OTHER PLANT 5	WORK SCHEDULE	SHIFTS PER DAY 2	DAYS PER WEEK 7									
LOCATION OF WORK		LOCATION CHANNEL Mobile Harbor		REACH DREDGED; STA TO STA Sta 700+00 to 760+00		DISPOSAL AREA USE Mobile 102 -SW		QTY DEPOSITED GROSS(CY) 10,540		CUMULATIVE AND QTY DEPOSIT FOR DA(CY) 1,325,135						
		AVG LENGTH OF CUT 6,000 FT		AVG WIDTH OF CUT 400 FT		AVG DIST TO DUMP 28 NM										
CHARACTER OF MATERIAL		DENSITY OF MATERIALS						GMS/LITER 1.045								
		DENSITY OF WATER			1.006			GMS/LITER@ 70 °F								
RIVER/TIDE STAGE		MIN 1	TIME 00:00	MAX 0	TIME 00:00	GAGE LOCATION Dog River										
		MIN 2	TIME 00:00	MAX 0	TIME 00:00	GAGE DATUM MLLW										
WEATHER CONDITION		WEATHER			TEMP (min / max)		VISIBILITY		WIND							
		Weather Caused No Delay			73 °F / 88 °F		10		29							
DRAFT					DISTRIBUTION OF TIME AND MILES RUN											
FORWARD		LIGHT		LOADED				AGITATING (MIN)		DREDGE & HAUL (MIN)		MILES RUN (NAUT MI)				
		8		15		EFFECTIVE WORKING TIME:										
AFT		10		16		PUMPING:		00:00		01:28		0.0				
						TURNING:		00:00		00:00		0.0				
DRAG DEPTH MAX 49 MIN 44					TO DUMP:		00:00		11:28		0.0					
					CONNECTING:		00:00		00:00		0.0					
INDICATORS LAST CHECKED ON 04/17/2016					DUMPING:		00:00		00:16		0.0					
					DISCONNECTING:		00:00		00:00		0.0					
AVERAGE SPEED OF DREDGE DURING LOADING					FT/MIN		2		TO CUT:		00:00		10:48		0.0	
AVERAGE SPEED OF DREDGE DURING AGITATING					FT/MIN		0		TOTALS:		00:00		24:00		0.0	
GALLONS OF FUEL OIL CONSUMED					GAL		3,003		NON-EFFECTIVE WORKING TIME:							
GALLONS OF WATER CONSUMED					GAL		935		TAKING ON FUEL AND SUPPLIES:		00:00		00:00		0.0	
WORK PERFORMED					TO AND FROM WHARF OR ANCHORAGE:		00:00		00:00		0.0					
					LOSS DUE TO NATURAL ELEMENTS:		00:00		00:00		0.0					
DREDGING AND HAULING			AGITATING		LOSS DUE TO TRAFFIC AND BRIDGES		00:00		00:00		0.0					
NO. OF LOADS	TOTAL CYS	DISPOSAL AREA		TOTAL CYS		MINOR OPERATING REPAIRS:		00:00		00:00		0.0				
5	10,540	Mobile 102-SW		0		TRANSFERRING BETWEEN WORKS:		00:00		00:00		0.0				
						LAY TIME:		00:00		00:00		0.0				
						FIRE AND BOAT DRILLS:		00:00		00:00		0.0				
ATTENDANT PLANT					MISCELLANEOUS:		00:00		00:00		0.0					
					TOTALS:		00:00		00:00		0.0					
ITEM		NAME OR NUMBER		H.P.	HOURS	LOST TIME:										
40' Crewboat		Cape Anne		400	12:00	MAJOR REPAIRS AND ALTERATIONS:		00:00		00:00		0.0				
						CESSATION:		00:00		00:00		0.0				
						COLLISIONS:		00:00		00:00		0.0				
						TOTALS:		00:00		00:00		0.0				
						TOTAL TIME/MILES:		00:00		24:00		0.0				

QUALITY CONTROL REPORT-HOPPER DREDGE					PAGE NO. Page 286 of 494	
CONTRACT NO. W91278-16-D-0041 0001		CONTRACT TITLE IDIQ Rental Hopper Dredge in Mobile		CONTRACTOR Dutra Dredging Company		REPORT NO. 140
DREDGE		NAME AND TYPE M/V Columbia			DATE 20 Jun 2016 - Monday	
LOADS						
LOAD NUMBER	DREDGING AREA DISPOSAL AREA	START TIME STOP TIME (HH:MM)	PUMPING TURNING (MIN)	TO DUMP DUMPING TO CUT (MIN)	TOTAL TIME DREDGED AMOUNT AGITATED AMOUNT (MIN/CYS)	
1	Sta 700+00 to 760+00 Mobile 102-SW	00:00 00:01	1 0	159 4 0	164 2,635 0	
2	Sta 700+00 to 760+00 Mobile 102-SW	02:44 03:08	24 0	177 4 184	389 2,635 0	
3	Sta 700+00 to 760+00 Mobile 102-SW	09:13 09:39	26 0	183 4 169	382 2,635 0	
4	Sta 700+00 to 760+00 Mobile 102-SW	15:35 16:11	36 0	169 4 197	406 2,635 0	
5	Sta 700+00 to 760+00 Mobile 102-SW	22:21 22:22	1 0	0 0 98	99 0 0	
QC NARRATIVE(S) GENERAL COMMENTS 1440 Minutes @ 100%						

QUALITY CONTROL REPORT-HOPPER DREDGE										PAGE NO. Page 287 of 494								
CONTRACT NO. W91278-16-D-0041 0001		CONTRACT TITLE IDIQ Rental Hopper Dredge in Mobile					CONTRACTOR Dutra Dredging Company			REPORT NO. 141								
CHARACTER OF REPORT		<input checked="" type="checkbox"/> MAINTENANCE <input type="checkbox"/> NEW WORK							DATE 21 Jun 2016 - Tuesday									
DREDGE (M/V Columbia)		HOPPER CAP: 4,387 CY		AVG VOL OF BIN WATER: 4,387 CY		AVG UNFILLED CAP: 4,387 CY												
		NO. OF CREW MEMBERS	DREDGE 13	OTHER PLANT 5	WORK SCHEDULE	SHIFTS PER DAY 2	DAYS PER WEEK 7											
LOCATION OF WORK		LOCATION CHANNEL Mobile Harbor		REACH DREDGED; STA TO STA Sta 700+00 to 760+00		DISPOSAL AREA USE Mobile 102 -SW		QTY DEPOSITED GROSS(CY) 7,905		CUMULATIVE AND QTY DEPOSIT FOR DA(CY) 1,333,040								
		AVG LENGTH OF CUT 6,000 FT		AVG WIDTH OF CUT 400 FT		AVG DIST TO DUMP 28 NM												
CHARACTER OF MATERIAL		DENSITY OF MATERIALS						GMS/LITER 1.045										
		DENSITY OF WATER			1.006			GMS/LITER@ 70 °F										
RIVER/TIDE STAGE		MIN 1	TIME 00:00	MAX 0	TIME 00:00	GAGE LOCATION Dog River												
		MIN 0	TIME 00:00	MAX 0	TIME 00:00	GAGE DATUM MLLW												
WEATHER CONDITION		WEATHER			TEMP (min / max)		VISIBILITY		WIND									
		Weather Caused No Delay			73 °F / 89 °F		10		25									
DRAFT					DISTRIBUTION OF TIME AND MILES RUN													
FORWARD		LIGHT		LOADED				AGITATING (MIN)		DREDGE & HAUL (MIN)		MILES RUN (NAUT MI)						
		8		15		EFFECTIVE WORKING TIME:												
AFT		10		16		PUMPING:		00:00		01:51		0.0						
						TURNING:		00:00		00:00		0.0						
DRAG DEPTH MAX 49 MIN 44					TO DUMP:		00:00		12:31		0.0							
					CONNECTING:		00:00		00:00		0.0							
INDICATORS LAST CHECKED ON 04/17/2016					DUMPING:		00:00		00:12		0.0							
					DISCONNECTING:		00:00		00:00		0.0							
AVERAGE SPEED OF DREDGE DURING LOADING							FT/MIN		2		TO CUT:		00:00		09:26		0.0	
AVERAGE SPEED OF DREDGE DURING AGITATING							FT/MIN		0		TOTALS:		00:00		24:00		0.0	
GALLONS OF FUEL OIL CONSUMED							GAL		3,117		NON-EFFECTIVE WORKING TIME:							
GALLONS OF WATER CONSUMED							GAL		1,122		TAKING ON FUEL AND SUPPLIES:		00:00		00:00		0.0	
WORK PERFORMED											TO AND FROM WHARF OR ANCHORAGE:		00:00		00:00		0.0	
											LOSS DUE TO NATURAL ELEMENTS:		00:00		00:00		0.0	
DREDGING AND HAULING				AGITATING						LOSS DUE TO TRAFFIC AND BRIDGES		00:00		00:00		0.0		
NO. OF LOADS		TOTAL CYS		DISPOSAL AREA		TOTAL CYS				MINOR OPERATING REPAIRS:		00:00		00:00		0.0		
4		7,905		Mobile 102-SW		0				TRANSFERRING BETWEEN WORKS:		00:00		00:00		0.0		
										LAY TIME:		00:00		00:00		0.0		
										FIRE AND BOAT DRILLS:		00:00		00:00		0.0		
ATTENDANT PLANT											MISCELLANEOUS:		00:00		00:00		0.0	
											TOTALS:		00:00		00:00		0.0	
ITEM		NAME OR NUMBER			H.P.		HOURS		LOST TIME:									
40' Crewboat		Cape Anne			400		12:00				MAJOR REPAIRS AND ALTERATIONS:		00:00		00:00		0.0	
											CESSATION:		00:00		00:00		0.0	
											COLLISIONS:		00:00		00:00		0.0	
											TOTALS:		00:00		00:00		0.0	
											TOTAL TIME/MILES:		00:00		24:00		0.0	

QUALITY CONTROL REPORT-HOPPER DREDGE					PAGE NO. Page 288 of 494	
CONTRACT NO. W91278-16-D-0041 0001		CONTRACT TITLE IDIQ Rental Hopper Dredge in Mobile		CONTRACTOR Dutra Dredging Company		REPORT NO. 141
DREDGE		NAME AND TYPE M/V Columbia			DATE 21 Jun 2016 - Tuesday	
LOADS						
LOAD NUMBER	DREDGING AREA DISPOSAL AREA	START TIME STOP TIME (HH:MM)	PUMPING TURNING (MIN)	TO DUMP DUMPING TO CUT (MIN)	TOTAL TIME DREDGED AMOUNT AGITATED AMOUNT (MIN/CYS)	
1	Sta 700+00 to 760+00 Mobile 102-SW	00:00 00:30	30 0	186 4 62	282 2,635 0	
2	Sta 700+00 to 760+00 Mobile 102-SW	04:42 05:14	32 0	222 4 171	429 2,635 0	
3	Sta 700+00 to 760+00 Mobile 102-SW	11:51 12:17	26 0	170 4 163	363 2,635 0	
4	Sta 700+00 to 760+00 Mobile 102-SW	17:54 18:17	23 0	173 0 170	366 0 0	
QC NARRATIVE(S)						
GENERAL COMMENTS						
1440 Minutes @ 100%						

QUALITY CONTROL REPORT-HOPPER DREDGE										PAGE NO. Page 289 of 494	
CONTRACT NO. W91278-16-D-0041 0001		CONTRACT TITLE IDIQ Rental Hopper Dredge in Mobile					CONTRACTOR Dutra Dredging Company			REPORT NO. 142	
CHARACTER OF REPORT		<input checked="" type="checkbox"/> MAINTENANCE <input type="checkbox"/> NEW WORK							DATE 22 Jun 2016 - Wednesday		
DREDGE (M/V Columbia)		HOPPER CAP: 4,387 CY		AVG VOL OF BIN WATER: 4,387 CY		AVG UNFILLED CAP: 4,387 CY					
		NO. OF CREW MEMBERS	DREDGE 13	OTHER PLANT 5	WORK SCHEDULE	SHIFTS PER DAY 2	DAYS PER WEEK 7				
LOCATION OF WORK		LOCATION CHANNEL Mobile Harbor	REACH DREDGED; STA TO STA Sta 700+00 to 760+00		DISPOSAL AREA USE Mobile 102 -SW		QTY DEPOSITED GROSS(CY) 10,540	CUMULATIVE AND QTY DEPOSIT FOR DA(CY) 1,343,580			
		AVG LENGTH OF CUT 6,000 FT		AVG WIDTH OF CUT 400 FT		AVG DIST TO DUMP 28 NM					
CHARACTER OF MATERIAL		DENSITY OF MATERIALS					GMS/LITER 1.045				
		DENSITY OF WATER			1.006		GMS/LITER@ 70 °F				
RIVER/TIDE STAGE		MIN 1	TIME 00:00	MAX 0	TIME 00:00	GAGE LOCATION Dog River					
		MIN 1	TIME 00:00	MAX 0	TIME 00:00	GAGE DATUM MLLW					
WEATHER CONDITION		WEATHER		TEMP (min / max)		VISIBILITY		WIND			
		Weather Caused No Delay		74 °F / 90 °F		10		28			
DRAFT					DISTRIBUTION OF TIME AND MILES RUN						
FORWARD		LIGHT		LOADED				AGITATING (MIN)	DREDGE & HAUL (MIN)	MILES RUN (NAUT MI)	
		8		15				EFFECTIVE WORKING TIME:			
AFT											
		10		16							
DRAG DEPTH MAX 49 MIN 44					PUMPING:		00:00	01:53	0.0		
INDICATORS LAST CHECKED ON 04/17/2016					TURNING:		00:00	00:00	0.0		
					TO DUMP:		00:00	10:14	0.0		
AVERAGE SPEED OF DREDGE DURING LOADING					CONNECTING:		00:00	00:00	0.0		
					DUMPING:		00:00	00:16	0.0		
AVERAGE SPEED OF DREDGE DURING AGITATING					DISCONNECTING:		00:00	00:00	0.0		
					TO CUT:		00:00	11:37	0.0		
GALLONS OF FUEL OIL CONSUMED					TOTALS:		00:00	24:00	0.0		
					NON-EFFECTIVE WORKING TIME:						
GALLONS OF WATER CONSUMED					TAKING ON FUEL AND SUPPLIES:		00:00	00:00	0.0		
					TO AND FROM WHARF OR ANCHORAGE:		00:00	00:00	0.0		
WORK PERFORMED					LOSS DUE TO NATURAL ELEMENTS:		00:00	00:00	0.0		
DREDGING AND HAULING				AGITATING		LOSS DUE TO TRAFFIC AND BRIDGES		00:00	00:00	0.0	
NO. OF LOADS	TOTAL CYS	DISPOSAL AREA		TOTAL CYS		MINOR OPERATING REPAIRS:		00:00	00:00	0.0	
5	10,540	Mobile 102-SW		0		TRANSFERRING BETWEEN WORKS:		00:00	00:00	0.0	
						LAY TIME:		00:00	00:00	0.0	
						FIRE AND BOAT DRILLS:		00:00	00:00	0.0	
ATTENDANT PLANT					MISCELLANEOUS:		00:00	00:00	0.0		
ITEM	NAME OR NUMBER		H.P.	HOURS	TOTALS:		00:00	00:00	0.0		
40' Crewboat	Cape Anne		400	12:00	LOST TIME:						
					MAJOR REPAIRS AND ALTERATIONS:		00:00	00:00	0.0		
					CESSATION:		00:00	00:00	0.0		
					COLLISIONS:		00:00	00:00	0.0		
					TOTALS:		00:00	00:00	0.0		
					TOTAL TIME/MILES:		00:00	24:00	0.0		

QUALITY CONTROL REPORT-HOPPER DREDGE					PAGE NO. Page 290 of 494	
CONTRACT NO. W91278-16-D-0041 0001		CONTRACT TITLE IDIQ Rental Hopper Dredge in Mobile		CONTRACTOR Dutra Dredging Company		REPORT NO. 142
DREDGE		NAME AND TYPE M/V Columbia			DATE 22 Jun 2016 - Wednesday	
LOADS						
LOAD NUMBER	DREDGING AREA DISPOSAL AREA	START TIME STOP TIME (HH:MM)	PUMPING TURNING (MIN)	TO DUMP DUMPING TO CUT (MIN)	TOTAL TIME DREDGED AMOUNT AGITATED AMOUNT (MIN/CYS)	
1	Sta 700+00 to 760+00 Mobile 102-SW	00:00 00:01	1 0	3 4 0	8 2,635 0	
2	Sta 700+00 to 760+00 Mobile 102-SW	00:08 00:32	24 0	175 4 177	380 2,635 0	
3	Sta 700+00 to 760+00 Mobile 102-SW	06:28 06:59	31 0	174 4 167	376 2,635 0	
4	Sta 700+00 to 760+00 Mobile 102-SW	12:44 13:10	26 0	164 4 186	380 2,635 0	
5	Sta 700+00 to 760+00 Mobile 102-SW	19:04 19:35	31 0	98 0 167	296 0 0	
QC NARRATIVE(S) GENERAL COMMENTS 1440 Minutes @ 100%						

QUALITY CONTROL REPORT-HOPPER DREDGE										PAGE NO. Page 291 of 494	
CONTRACT NO. W91278-16-D-0041 0001		CONTRACT TITLE IDIQ Rental Hopper Dredge in Mobile					CONTRACTOR Dutra Dredging Company			REPORT NO. 143	
CHARACTER OF REPORT		<input checked="" type="checkbox"/> MAINTENANCE <input type="checkbox"/> NEW WORK							DATE 23 Jun 2016 - Thursday		
DREDGE (M/V Columbia)		HOPPER CAP: 4,387 CY		AVG VOL OF BIN WATER: 4,387 CY			AVG UNFILLED CAP: 4,387 CY				
		NO. OF CREW MEMBERS	DREDGE 13	OTHER PLANT 5	WORK SCHEDULE	SHIFTS PER DAY 2	DAYS PER WEEK 7				
LOCATION OF WORK		LOCATION CHANNEL Mobile Harbor	REACH DREDGED; STA TO STA Sta 700+00 to 760+00			DISPOSAL AREA USE Mobile 102 -SW	QTY DEPOSITED GROSS(CY) 10,540	CUMULATIVE AND QTY DEPOSIT FOR DA(CY) 1,354,120			
		AVG LENGTH OF CUT 6,000 FT		AVG WIDTH OF CUT 400 FT		AVG DIST TO DUMP 28 NM					
CHARACTER OF MATERIAL		DENSITY OF MATERIALS						GMS/LITER 1.045			
		DENSITY OF WATER			1.006			GMS/LITER@ 70 °F			
RIVER/TIDE STAGE		MIN 1	TIME 00:00	MAX 0	TIME 00:00	GAGE LOCATION Dog River					
		MIN 1	TIME 00:00	MAX 0	TIME 00:00	GAGE DATUM MLLW					
WEATHER CONDITION		WEATHER Weather Caused No Delay			TEMP (min / max) 74 °F / 90 °F		VISIBILITY 10	WIND 28			
DRAFT					DISTRIBUTION OF TIME AND MILES RUN						
FORWARD	LIGHT		LOADED			AGITATING (MIN)	DREDGE & HAUL (MIN)	MILES RUN (NAUT MI)			
	8		15		EFFECTIVE WORKING TIME:						
AFT	10		16		PUMPING:	00:00	01:52	0.0			
					TURNING:	00:00	00:00	0.0			
DRAG DEPTH MAX 49 MIN 44					TO DUMP:	00:00	10:55	0.0			
					CONNECTING:	00:00	00:00	0.0			
INDICATORS LAST CHECKED ON 04/17/2016					DUMPING:	00:00	00:16	0.0			
					DISCONNECTING:	00:00	00:00	0.0			
AVERAGE SPEED OF DREDGE DURING LOADING				FT/MIN	2	TO CUT:	00:00	10:57	0.0		
AVERAGE SPEED OF DREDGE DURING AGITATING				FT/MIN	0	TOTALS:	00:00	24:00	0.0		
GALLONS OF FUEL OIL CONSUMED				GAL	2,562	NON-EFFECTIVE WORKING TIME:					
GALLONS OF WATER CONSUMED				GAL	374	TAKING ON FUEL AND SUPPLIES:	00:00	00:00	0.0		
WORK PERFORMED					TO AND FROM WHARF OR ANCHORAGE:	00:00	00:00	0.0			
					LOSS DUE TO NATURAL ELEMENTS:	00:00	00:00	0.0			
DREDGING AND HAULING			AGITATING		LOSS DUE TO TRAFFIC AND BRIDGES	00:00	00:00	0.0			
NO. OF LOADS	TOTAL CYS	DISPOSAL AREA	TOTAL CYS		MINOR OPERATING REPAIRS:	00:00	00:00	0.0			
5	10,540	Mobile 102-SW	0		TRANSFERRING BETWEEN WORKS:	00:00	00:00	0.0			
					LAY TIME:	00:00	00:00	0.0			
					FIRE AND BOAT DRILLS:	00:00	00:00	0.0			
ATTENDANT PLANT					MISCELLANEOUS:	00:00	00:00	0.0			
					TOTALS:	00:00	00:00	0.0			
ITEM	NAME OR NUMBER		H.P.	HOURS	LOST TIME:						
40' Crewboat	Cape Anne		400	12:00	MAJOR REPAIRS AND ALTERATIONS:						
					CESSATION:						
					COLLISIONS:						
					TOTALS:						
					TOTAL TIME/MILES:						
					00:00 24:00 0.0						

QUALITY CONTROL REPORT-HOPPER DREDGE					PAGE NO. Page 292 of 494	
CONTRACT NO. W91278-16-D-0041 0001		CONTRACT TITLE IDIQ Rental Hopper Dredge in Mobile		CONTRACTOR Dutra Dredging Company		REPORT NO. 143
DREDGE		NAME AND TYPE M/V Columbia			DATE 23 Jun 2016 - Thursday	
LOADS						
LOAD NUMBER	DREDGING AREA DISPOSAL AREA	START TIME STOP TIME (HH:MM)	PUMPING TURNING (MIN)	TO DUMP DUMPING TO CUT (MIN)	TOTAL TIME DREDGED AMOUNT AGITATED AMOUNT (MIN/CYS)	
1	Sta 700+00 to 760+00 Mobile 102-SW	00:00 00:01	1 0	79 4 0	84 2,635 0	
2	Sta 700+00 to 760+00 Mobile 102-SW	01:24 01:49	25 0	170 4 167	366 2,635 0	
3	Sta 700+00 to 760+00 Mobile 102-SW	07:30 08:01	31 0	167 4 165	367 2,635 0	
4	Sta 700+00 to 760+00 Mobile 102-SW	13:37 14:05	28 0	165 4 159	356 2,635 0	
5	Sta 700+00 to 760+00 Mobile 102-SW	19:33 20:00	27 0	74 0 166	267 0 0	
QC NARRATIVE(S) GENERAL COMMENTS 1440 Minutes @ 100%						

QUALITY CONTROL REPORT-HOPPER DREDGE										PAGE NO. Page 293 of 494		
CONTRACT NO. W91278-16-D-0041 0001		CONTRACT TITLE IDIQ Rental Hopper Dredge in Mobile					CONTRACTOR Dutra Dredging Company			REPORT NO. 144		
CHARACTER OF REPORT		<input checked="" type="checkbox"/> MAINTENANCE <input type="checkbox"/> NEW WORK							DATE 24 Jun 2016 - Friday			
DREDGE (M/V Columbia)		HOPPER CAP: 4,387 CY		AVG VOL OF BIN WATER: 4,387 CY			AVG UNFILLED CAP: 4,387 CY					
		NO. OF CREW MEMBERS	DREDGE 13	OTHER PLANT 5	WORK SCHEDULE	SHIFTS PER DAY 2	DAYS PER WEEK 7					
LOCATION OF WORK		LOCATION CHANNEL Mobile Harbor	REACH DREDGED; STA TO STA Sta 700+00 to 760+00			DISPOSAL AREA USE Mobile 102 -SW	QTY DEPOSITED GROSS(CY) 10,540	CUMULATIVE AND QTY DEPOSIT FOR DA(CY) 1,364,660				
		AVG LENGTH OF CUT 6,000 FT		AVG WIDTH OF CUT 400 FT		AVG DIST TO DUMP 28 NM						
CHARACTER OF MATERIAL		DENSITY OF MATERIALS						GMS/LITER 1.045				
		DENSITY OF WATER			1.006			GMS/LITER@ 80 °F				
RIVER/TIDE STAGE		MIN 1	TIME 00:00	MAX 0	TIME 00:00	GAGE LOCATION Dog River						
		MIN 1	TIME 00:00	MAX 0	TIME 00:00	GAGE DATUM MLLW						
WEATHER CONDITION		WEATHER Weather Caused No Delay			TEMP (min / max) 74 °F / 90 °F		VISIBILITY 10	WIND 18				
DRAFT					DISTRIBUTION OF TIME AND MILES RUN							
FORWARD		LIGHT		LOADED				AGITATING (MIN)	DREDGE & HAUL (MIN)	MILES RUN (NAUT MI)		
		8		15				EFFECTIVE WORKING TIME:				
AFT		10		16				PUMPING: 00:00 01:52 0.0				
								TURNING: 00:00 00:00 0.0				
DRAG DEPTH MAX 49 MIN 44									TO DUMP: 00:00 11:04 0.0			
									CONNECTING: 00:00 00:00 0.0			
INDICATORS LAST CHECKED ON 04/17/2016									DUMPING: 00:00 00:16 0.0			
									DISCONNECTING: 00:00 00:00 0.0			
AVERAGE SPEED OF DREDGE DURING LOADING					FT/MIN	2			TO CUT: 00:00 10:48 0.0			
AVERAGE SPEED OF DREDGE DURING AGITATING					FT/MIN	0			TOTALS: 00:00 24:00 0.0			
GALLONS OF FUEL OIL CONSUMED					GAL	2,793	NON-EFFECTIVE WORKING TIME:					
GALLONS OF WATER CONSUMED					GAL	374			TAKING ON FUEL AND SUPPLIES: 00:00 00:00 0.0			
WORK PERFORMED									TO AND FROM WHARF OR ANCHORAGE: 00:00 00:00 0.0			
DREDGING AND HAULING				AGITATING						LOSS DUE TO NATURAL ELEMENTS: 00:00 00:00 0.0		
NO. OF LOADS	TOTAL CYS	DISPOSAL AREA		TOTAL CYS						LOSS DUE TO TRAFFIC AND BRIDGES 00:00 00:00 0.0		
5	10,540	Mobile 102-SW		0						MINOR OPERATING REPAIRS: 00:00 00:00 0.0		
										TRANSFERRING BETWEEN WORKS: 00:00 00:00 0.0		
										LAY TIME: 00:00 00:00 0.0		
ATTENDANT PLANT											FIRE AND BOAT DRILLS: 00:00 00:00 0.0	
ITEM	NAME OR NUMBER			H.P.	HOURS					MISCELLANEOUS: 00:00 00:00 0.0		
40' Crewboat	Cape Anne			400	12:00					TOTALS: 00:00 00:00 0.0		
										LOST TIME:		
										MAJOR REPAIRS AND ALTERATIONS: 00:00 00:00 0.0		
										CESSATION: 00:00 00:00 0.0		
										COLLISIONS: 00:00 00:00 0.0		
										TOTALS: 00:00 00:00 0.0		
										TOTAL TIME/MILES: 00:00 24:00 0.0		

QUALITY CONTROL REPORT-HOPPER DREDGE					PAGE NO. Page 294 of 494	
CONTRACT NO. W91278-16-D-0041 0001		CONTRACT TITLE IDIQ Rental Hopper Dredge in Mobile		CONTRACTOR Dutra Dredging Company		REPORT NO. 144
DREDGE		NAME AND TYPE M/V Columbia			DATE 24 Jun 2016 - Friday	
LOADS						
LOAD NUMBER	DREDGING AREA DISPOSAL AREA	START TIME STOP TIME (HH:MM)	PUMPING TURNING (MIN)	TO DUMP DUMPING TO CUT (MIN)	TOTAL TIME DREDGED AMOUNT AGITATED AMOUNT (MIN/CYS)	
1	Sta 700+00 to 760+00 Mobile 102-SW	00:00 00:01	1 0	105 4 0	110 2,635 0	
2	Sta 700+00 to 760+00 Mobile 102-SW	01:50 02:17	27 0	179 4 155	365 2,635 0	
3	Sta 700+00 to 760+00 Mobile 102-SW	07:55 08:22	27 0	176 4 161	368 2,635 0	
4	Sta 700+00 to 760+00 Mobile 102-SW	14:03 14:32	29 0	172 4 157	362 2,635 0	
5	Sta 700+00 to 760+00 Mobile 102-SW	20:05 20:33	28 0	32 0 175	235 0 0	
QC NARRATIVE(S) GENERAL COMMENTS 1440 Minutes @ 100%						

QUALITY CONTROL REPORT-HOPPER DREDGE										PAGE NO. Page 295 of 494	
CONTRACT NO. W91278-16-D-0041 0001		CONTRACT TITLE IDIQ Rental Hopper Dredge in Mobile					CONTRACTOR Dutra Dredging Company			REPORT NO. 145	
CHARACTER OF REPORT		<input checked="" type="checkbox"/> MAINTENANCE <input type="checkbox"/> NEW WORK							DATE 25 Jun 2016 - Saturday		
DREDGE (M/V Columbia)		HOPPER CAP: 4,387 CY		AVG VOL OF BIN WATER: 4,387 CY		AVG UNFILLED CAP: 4,387 CY					
		NO. OF CREW MEMBERS	DREDGE 13	OTHER PLANT 5	WORK SCHEDULE	SHIFTS PER DAY 2	DAYS PER WEEK 7				
LOCATION OF WORK		LOCATION CHANNEL Mobile Harbor	REACH DREDGED; STA TO STA Sta 700+00 to 760+00		DISPOSAL AREA USE Mobile 102 -SW		QTY DEPOSITED GROSS(CY) 10,540	CUMULATIVE AND QTY DEPOSIT FOR DA(CY) 1,375,200			
		AVG LENGTH OF CUT 6,000 FT		AVG WIDTH OF CUT 400 FT		AVG DIST TO DUMP 28 NM					
CHARACTER OF MATERIAL		DENSITY OF MATERIALS						GMS/LITER 1.045			
		DENSITY OF WATER			1.006			GMS/LITER@ 80 °F			
RIVER/TIDE STAGE		MIN 1	TIME 00:00	MAX 0	TIME 00:00	GAGE LOCATION Dog River					
		MIN 1	TIME 00:00	MAX 0	TIME 00:00	GAGE DATUM MLLW					
WEATHER CONDITION		WEATHER		TEMP (min / max)		VISIBILITY		WIND			
		Weather Caused No Delay		77 °F / 94 °F		10		26			
DRAFT					DISTRIBUTION OF TIME AND MILES RUN						
FORWARD		LIGHT		LOADED				AGITATING (MIN)	DREDGE & HAUL (MIN)	MILES RUN (NAUT MI)	
		8		15				EFFECTIVE WORKING TIME:			
AFT											
		10		16							
DRAG DEPTH MAX 49 MIN 44					PUMPING:		00:00	01:23	0.0		
INDICATORS LAST CHECKED ON 04/17/2016					TURNING:		00:00	00:00	0.0		
					TO DUMP:		00:00	11:26	0.0		
AVERAGE SPEED OF DREDGE DURING LOADING				FT/MIN	CONNECTING:		00:00	00:00	0.0		
				2	DUMPING:		00:00	00:42	0.0		
AVERAGE SPEED OF DREDGE DURING AGITATING				FT/MIN	DISCONNECTING:		00:00	00:00	0.0		
				0	TO CUT:		00:00	09:48	0.0		
GALLONS OF FUEL OIL CONSUMED				GAL	TOTALS:		00:00	23:19	0.0		
				3,319	NON-EFFECTIVE WORKING TIME:						
GALLONS OF WATER CONSUMED				GAL	TAKING ON FUEL AND SUPPLIES:		00:00	00:00	0.0		
				931	TO AND FROM WHARF OR ANCHORAGE:		00:00	00:00	0.0		
WORK PERFORMED					LOSS DUE TO NATURAL ELEMENTS:		00:00	00:00	0.0		
DREDGING AND HAULING				AGITATING		LOSS DUE TO TRAFFIC AND BRIDGES		00:00	00:00	0.0	
NO. OF LOADS	TOTAL CYS	DISPOSAL AREA		TOTAL CYS		MINOR OPERATING REPAIRS:		00:00	00:41	0.0	
5	10,540	Mobile 102-SW		0		TRANSFERRING BETWEEN WORKS:		00:00	00:00	0.0	
						LAY TIME:		00:00	00:00	0.0	
						FIRE AND BOAT DRILLS:		00:00	00:00	0.0	
ATTENDANT PLANT					MISCELLANEOUS:		00:00	00:00	0.0		
ITEM	NAME OR NUMBER		H.P.	HOURS	TOTALS:		00:00	00:41	0.0		
40' Crewboat	Cape Anne		400	12:00	LOST TIME:						
					MAJOR REPAIRS AND ALTERATIONS:		00:00	00:00	0.0		
					CESSATION:		00:00	00:00	0.0		
					COLLISIONS:		00:00	00:00	0.0		
					TOTALS:		00:00	00:00	0.0		
					TOTAL TIME/MILES:		00:00	24:00	0.0		

QUALITY CONTROL REPORT-HOPPER DREDGE					PAGE NO. Page 296 of 494	
CONTRACT NO. W91278-16-D-0041 0001		CONTRACT TITLE IDIQ Rental Hopper Dredge in Mobile		CONTRACTOR Dutra Dredging Company		REPORT NO. 145
DREDGE		NAME AND TYPE M/V Columbia			DATE 25 Jun 2016 - Saturday	
LOADS						
LOAD NUMBER	DREDGING AREA DISPOSAL AREA	START TIME STOP TIME (HH:MM)	PUMPING TURNING (MIN)	TO DUMP DUMPING TO CUT (MIN)	TOTAL TIME DREDGED AMOUNT AGITATED AMOUNT (MIN/CYS)	
1	Sta 700+00 to 760+00 Mobile 102-SW	00:00 00:01	1 0	149 4 0	154 2,635 0	
2	Sta 700+00 to 760+00 Mobile 102-SW	02:34 03:02	28 0	195 4 154	381 2,635 0	
3	Sta 700+00 to 760+00 Mobile 102-SW	08:55 09:21	26 0	173 4 166	369 2,635 0	
4	Sta 700+00 to 760+00 Mobile 102-SW	15:04 15:31	27 0	169 30 166	392 2,635 0	
5	Sta 700+00 to 760+00 Mobile 102-SW	22:17 22:18	1 0	0 0 102	103 0 0	
QC NARRATIVE(S) GENERAL COMMENTS 1399 Minutes @ 100% 41 Minutes @ 0% Minor Repairs						

QUALITY CONTROL REPORT-HOPPER DREDGE										PAGE NO. Page 297 of 494	
CONTRACT NO. W91278-16-D-0041 0001		CONTRACT TITLE IDIQ Rental Hopper Dredge in Mobile					CONTRACTOR Dutra Dredging Company			REPORT NO. 146	
CHARACTER OF REPORT		<input checked="" type="checkbox"/> MAINTENANCE <input type="checkbox"/> NEW WORK							DATE 26 Jun 2016 - Sunday		
DREDGE (M/V Columbia)		HOPPER CAP: 4,387 CY		AVG VOL OF BIN WATER: 4,387 CY		AVG UNFILLED CAP: 4,387 CY					
		NO. OF CREW MEMBERS	DREDGE 13	OTHER PLANT 5	WORK SCHEDULE	SHIFTS PER DAY 2	DAYS PER WEEK 7				
LOCATION OF WORK		LOCATION CHANNEL Mobile Harbor	REACH DREDGED; STA TO STA Sta 700+00 to 760+00		DISPOSAL AREA USE Mobile 102 -SW		QTY DEPOSITED GROSS(CY) 10,540	CUMULATIVE AND QTY DEPOSIT FOR DA(CY) 1,385,740			
		AVG LENGTH OF CUT 6,000 FT		AVG WIDTH OF CUT 400 FT		AVG DIST TO DUMP 28 NM					
CHARACTER OF MATERIAL		DENSITY OF MATERIALS					GMS/LITER 1.045				
		DENSITY OF WATER			1.006		GMS/LITER@ 86 °F				
RIVER/TIDE STAGE		MIN 1	TIME 00:00	MAX 0	TIME 00:00	GAGE LOCATION Dog River					
		MIN 1	TIME 00:00	MAX 0	TIME 00:00	GAGE DATUM MLLW					
WEATHER CONDITION		WEATHER		TEMP (min / max)		VISIBILITY		WIND			
		Weather Caused No Delay		77 °F / 97 °F		10		42			
DRAFT					DISTRIBUTION OF TIME AND MILES RUN						
FORWARD		LIGHT		LOADED				AGITATING (MIN)	DREDGE & HAUL (MIN)	MILES RUN (NAUT MI)	
		8		15				EFFECTIVE WORKING TIME:			
AFT											
		10		16							
DRAG DEPTH MAX 49 MIN 44					PUMPING:		00:00	01:48	0.0		
INDICATORS LAST CHECKED ON 04/17/2016					TURNING:		00:00	00:00	0.0		
					TO DUMP:		00:00	11:28	0.0		
AVERAGE SPEED OF DREDGE DURING LOADING				FT/MIN	CONNECTING:		00:00	00:00	0.0		
				2	DUMPING:		00:00	00:16	0.0		
AVERAGE SPEED OF DREDGE DURING AGITATING				FT/MIN	DISCONNECTING:		00:00	00:00	0.0		
				0	TO CUT:		00:00	10:28	0.0		
GALLONS OF FUEL OIL CONSUMED				GAL	TOTALS:		00:00	24:00	0.0		
				2,866	NON-EFFECTIVE WORKING TIME:						
GALLONS OF WATER CONSUMED				GAL	TAKING ON FUEL AND SUPPLIES:		00:00	00:00	0.0		
				672	TO AND FROM WHARF OR ANCHORAGE:		00:00	00:00	0.0		
WORK PERFORMED					LOSS DUE TO NATURAL ELEMENTS:		00:00	00:00	0.0		
DREDGING AND HAULING				AGITATING		LOSS DUE TO TRAFFIC AND BRIDGES		00:00	00:00	0.0	
NO. OF LOADS	TOTAL CYS	DISPOSAL AREA		TOTAL CYS		MINOR OPERATING REPAIRS:		00:00	00:00	0.0	
5	10,540	Mobile 102-SW		0		TRANSFERRING BETWEEN WORKS:		00:00	00:00	0.0	
						LAY TIME:		00:00	00:00	0.0	
						FIRE AND BOAT DRILLS:		00:00	00:00	0.0	
ATTENDANT PLANT					MISCELLANEOUS:		00:00	00:00	0.0		
ITEM	NAME OR NUMBER		H.P.	HOURS	TOTALS:		00:00	00:00	0.0		
40' Crewboat	Cape Anne		400	12:00	LOST TIME:						
					MAJOR REPAIRS AND ALTERATIONS:		00:00	00:00	0.0		
					CESSATION:		00:00	00:00	0.0		
					COLLISIONS:		00:00	00:00	0.0		
					TOTALS:		00:00	00:00	0.0		
					TOTAL TIME/MILES:		00:00	24:00	0.0		

QUALITY CONTROL REPORT-HOPPER DREDGE					PAGE NO. Page 298 of 494	
CONTRACT NO. W91278-16-D-0041 0001		CONTRACT TITLE IDIQ Rental Hopper Dredge in Mobile		CONTRACTOR Dutra Dredging Company		REPORT NO. 146
DREDGE		NAME AND TYPE M/V Columbia			DATE 26 Jun 2016 - Sunday	
LOADS						
LOAD NUMBER	DREDGING AREA DISPOSAL AREA	START TIME STOP TIME (HH:MM)	PUMPING TURNING (MIN)	TO DUMP DUMPING TO CUT (MIN)	TOTAL TIME DREDGED AMOUNT AGITATED AMOUNT (MIN/CYS)	
1	Sta 700+00 to 760+00 Mobile 102-SW	00:00 00:24	24 0	182 4 64	274 2,635 0	
2	Sta 700+00 to 760+00 Mobile 102-SW	04:34 05:02	28 0	165 4 161	358 2,635 0	
3	Sta 700+00 to 760+00 Mobile 102-SW	10:32 11:01	29 0	170 4 163	366 2,635 0	
4	Sta 700+00 to 760+00 Mobile 102-SW	16:38 17:04	26 0	171 4 151	352 2,635 0	
5	Sta 700+00 to 760+00 Mobile 102-SW	22:30 22:31	1 0	0 0 89	90 0 0	
QC NARRATIVE(S) GENERAL COMMENTS 1440 Minutes @ 100%						

QUALITY CONTROL REPORT-HOPPER DREDGE										PAGE NO. Page 299 of 494	
CONTRACT NO. W91278-16-D-0041 0001		CONTRACT TITLE IDIQ Rental Hopper Dredge in Mobile					CONTRACTOR Dutra Dredging Company			REPORT NO. 147	
CHARACTER OF REPORT		<input checked="" type="checkbox"/> MAINTENANCE <input type="checkbox"/> NEW WORK							DATE 27 Jun 2016 - Monday		
DREDGE (M/V Columbia)		HOPPER CAP: 4,387 CY		AVG VOL OF BIN WATER: 4,387 CY			AVG UNFILLED CAP: 4,387 CY				
		NO. OF CREW MEMBERS	DREDGE 13	OTHER PLANT 5	WORK SCHEDULE	SHIFTS PER DAY 2	DAYS PER WEEK 7				
LOCATION OF WORK		LOCATION CHANNEL Mobile Harbor	REACH DREDGED; STA TO STA Sta 700+00 to 760+00			DISPOSAL AREA USE Mobile 102 -SW	QTY DEPOSITED GROSS(CY) 10,540	CUMULATIVE AND QTY DEPOSIT FOR DA(CY) 1,396,280			
		AVG LENGTH OF CUT 6,000 FT		AVG WIDTH OF CUT 400 FT		AVG DIST TO DUMP 28 NM					
CHARACTER OF MATERIAL		DENSITY OF MATERIALS						GMS/LITER 1.045			
		DENSITY OF WATER			1.006			GMS/LITER@ 86 °F			
RIVER/TIDE STAGE		MIN 0	TIME 00:00	MAX 0	TIME 00:00	GAGE LOCATION Dog River					
		MIN 0	TIME 00:00	MAX 0	TIME 00:00	GAGE DATUM MLLW					
WEATHER CONDITION		WEATHER Weather Caused No Delay		TEMP (min / max) 77 °F / 91 °F		VISIBILITY 10	WIND 41				
DRAFT					DISTRIBUTION OF TIME AND MILES RUN						
FORWARD	LIGHT		LOADED			AGITATING (MIN)	DREDGE & HAUL (MIN)	MILES RUN (NAUT MI)			
	8		15		EFFECTIVE WORKING TIME:						
AFT	10		16		PUMPING:	00:00	01:52	0.0			
					TURNING:	00:00	00:00	0.0			
DRAG DEPTH MAX 49 MIN 44				TO DUMP:		00:00	11:30	0.0			
				CONNECTING:		00:00	00:00	0.0			
INDICATORS LAST CHECKED ON 04/17/2016				DUMPING:		00:00	00:16	0.0			
				DISCONNECTING:		00:00	00:00	0.0			
AVERAGE SPEED OF DREDGE DURING LOADING			FT/MIN		2	TO CUT:	00:00	10:22	0.0		
AVERAGE SPEED OF DREDGE DURING AGITATING			FT/MIN		0	TOTALS:	00:00	24:00	0.0		
GALLONS OF FUEL OIL CONSUMED			GAL		2,683	NON-EFFECTIVE WORKING TIME:					
GALLONS OF WATER CONSUMED			GAL		336	TAKING ON FUEL AND SUPPLIES:	00:00	00:00	0.0		
WORK PERFORMED					TO AND FROM WHARF OR ANCHORAGE:		00:00	00:00	0.0		
					LOSS DUE TO NATURAL ELEMENTS:		00:00	00:00	0.0		
DREDGING AND HAULING			AGITATING		LOSS DUE TO TRAFFIC AND BRIDGES		00:00	00:00	0.0		
NO. OF LOADS	TOTAL CYS	DISPOSAL AREA	TOTAL CYS		MINOR OPERATING REPAIRS:		00:00	00:00	0.0		
5	10,540	Mobile 102-SW	0		TRANSFERRING BETWEEN WORKS:		00:00	00:00	0.0		
					LAY TIME:		00:00	00:00	0.0		
					FIRE AND BOAT DRILLS:		00:00	00:00	0.0		
ATTENDANT PLANT					MISCELLANEOUS:		00:00	00:00	0.0		
					TOTALS:		00:00	00:00	0.0		
ITEM	NAME OR NUMBER		H.P.	HOURS	LOST TIME:						
40' Crewboat	Cape Anne		400	12:00	MAJOR REPAIRS AND ALTERATIONS:		00:00	00:00	0.0		
					CESSATION:		00:00	00:00	0.0		
					COLLISIONS:		00:00	00:00	0.0		
					TOTALS:		00:00	00:00	0.0		
					TOTAL TIME/MILES:		00:00	24:00	0.0		

QUALITY CONTROL REPORT-HOPPER DREDGE					PAGE NO. Page 300 of 494	
CONTRACT NO. W91278-16-D-0041 0001		CONTRACT TITLE IDIQ Rental Hopper Dredge in Mobile		CONTRACTOR Dutra Dredging Company		REPORT NO. 147
DREDGE		NAME AND TYPE M/V Columbia			DATE 27 Jun 2016 - Monday	
LOADS						
LOAD NUMBER	DREDGING AREA DISPOSAL AREA	START TIME STOP TIME (HH:MM)	PUMPING TURNING (MIN)	TO DUMP DUMPING TO CUT (MIN)	TOTAL TIME DREDGED AMOUNT AGITATED AMOUNT (MIN/CYS)	
1	Sta 700+00 to 760+00 Mobile 102-SW	00:00 00:26	26 0	180 4 71	281 2,635 0	
2	Sta 700+00 to 760+00 Mobile 102-SW	04:41 05:08	27 0	161 4 159	351 2,635 0	
3	Sta 700+00 to 760+00 Mobile 102-SW	10:32 11:02	30 0	176 4 157	367 2,635 0	
4	Sta 700+00 to 760+00 Mobile 102-SW	16:39 17:07	28 0	173 4 154	359 2,635 0	
5	Sta 700+00 to 760+00 Mobile 102-SW	22:38 22:39	1 0	0 0 81	82 0 0	
QC NARRATIVE(S) GENERAL COMMENTS 1440 Minutes @ 100%						

QUALITY CONTROL REPORT-HOPPER DREDGE										PAGE NO. Page 301 of 494	
CONTRACT NO. W91278-16-D-0041 0001		CONTRACT TITLE IDIQ Rental Hopper Dredge in Mobile					CONTRACTOR Dutra Dredging Company			REPORT NO. 148	
CHARACTER OF REPORT		<input checked="" type="checkbox"/> MAINTENANCE <input type="checkbox"/> NEW WORK							DATE 28 Jun 2016 - Tuesday		
DREDGE (M/V Columbia)		HOPPER CAP: 4,387 CY		AVG VOL OF BIN WATER: 4,387 CY		AVG UNFILLED CAP: 4,387 CY					
		NO. OF CREW MEMBERS	DREDGE 13	OTHER PLANT 5	WORK SCHEDULE	SHIFTS PER DAY 2	DAYS PER WEEK 7				
LOCATION OF WORK		LOCATION CHANNEL Mobile Harbor	REACH DREDGED; STA TO STA Sta 700+00 to 760+00		DISPOSAL AREA USE Mobile 102 -SW		QTY DEPOSITED GROSS(CY) 2,635	CUMULATIVE AND QTY DEPOSIT FOR DA(CY) 1,398,915			
		AVG LENGTH OF CUT 6,000 FT		AVG WIDTH OF CUT 400 FT		AVG DIST TO DUMP 28 NM					
CHARACTER OF MATERIAL		DENSITY OF MATERIALS						GMS/LITER 1.045			
		DENSITY OF WATER			1.006			GMS/LITER@ 86 °F			
RIVER/TIDE STAGE		MIN 0	TIME 00:00	MAX 0	TIME 00:00	GAGE LOCATION Dog River					
		MIN 0	TIME 00:00	MAX 0	TIME 00:00	GAGE DATUM MLLW					
WEATHER CONDITION		WEATHER		TEMP (min / max)		VISIBILITY		WIND			
		Weather Caused No Delay		75 °F / 89 °F		10		12			
DRAFT					DISTRIBUTION OF TIME AND MILES RUN						
FORWARD		LIGHT		LOADED				AGITATING (MIN)	DREDGE & HAUL (MIN)	MILES RUN (NAUT MI)	
		8		15				EFFECTIVE WORKING TIME:			
AFT											
		10		16							
DRAG DEPTH MAX 49 MIN 44					PUMPING:		00:00	00:50	0.0		
INDICATORS LAST CHECKED ON 04/17/2016					TURNING:		00:00	00:00	0.0		
					TO DUMP:		00:00	03:04	0.0		
AVERAGE SPEED OF DREDGE DURING LOADING				FT/MIN	CONNECTING:		00:00	00:00	0.0		
				2	DUMPING:		00:00	00:04	0.0		
AVERAGE SPEED OF DREDGE DURING AGITATING				FT/MIN	DISCONNECTING:		00:00	00:00	0.0		
				0	TO CUT:		00:00	04:27	0.0		
GALLONS OF FUEL OIL CONSUMED				GAL	TOTALS:		00:00	08:25	0.0		
				1,061	NON-EFFECTIVE WORKING TIME:						
GALLONS OF WATER CONSUMED				GAL	TAKING ON FUEL AND SUPPLIES:		00:00	03:05	0.0		
				336	TO AND FROM WHARF OR ANCHORAGE:		00:00	01:50	0.0		
WORK PERFORMED					LOSS DUE TO NATURAL ELEMENTS:		00:00	00:00	0.0		
DREDGING AND HAULING				AGITATING		LOSS DUE TO TRAFFIC AND BRIDGES		00:00	00:05	0.0	
NO. OF LOADS	TOTAL CYS	DISPOSAL AREA		TOTAL CYS		MINOR OPERATING REPAIRS:		00:00	10:35	0.0	
2	2,635	Mobile 102 - SW		0		TRANSFERRING BETWEEN WORKS:		00:00	00:00	0.0	
						LAY TIME:		00:00	00:00	0.0	
						FIRE AND BOAT DRILLS:		00:00	00:00	0.0	
ATTENDANT PLANT					MISCELLANEOUS:		00:00	00:00	0.0		
ITEM	NAME OR NUMBER		H.P.	HOURS	TOTALS:		00:00	15:35	0.0		
40' Crewboat	Cape Anne		400	12:00	LOST TIME:						
					MAJOR REPAIRS AND ALTERATIONS:		00:00	00:00	0.0		
					CESSATION:		00:00	00:00	0.0		
					COLLISIONS:		00:00	00:00	0.0		
					TOTALS:		00:00	00:00	0.0		
					TOTAL TIME/MILES:		00:00	24:00	0.0		

QUALITY CONTROL REPORT-HOPPER DREDGE			PAGE NO. Page 302 of 494
CONTRACT NO. W91278-16-D-0041 0001	CONTRACT TITLE IDIQ Rental Hopper Dredge in Mobile	CONTRACTOR Dutra Dredging Company	REPORT NO. 148
DREDGE	NAME AND TYPE M/V Columbia	DATE 28 Jun 2016 - Tuesday	

LOADS					
LOAD NUMBER	DREDGING AREA DISPOSAL AREA	START TIME STOP TIME (HH:MM)	PUMPING TURNING (MIN)	TO DUMP DUMPING TO CUT (MIN)	TOTAL TIME DREDGED AMOUNT AGITATED AMOUNT (MIN/CYS)
1	Sta 700+00 to 760+00 Mobile 102 - SW	00:00	27	184	297
		00:27	0	4	2,635
				82	0
2	Sta 700+00 to 760+00 Mobile 102 - SW	20:32	23	0	208
		20:55	0	0	0
				185	0

QC NARRATIVE(S)

GENERAL COMMENTS

505 Minutes @ 100%
5 Minutes @ 70% Traffic

110 Minutes @ 0 % - To/From Fuel Dock
185 Minutes @ 0 % - Take on Fuel
635 Minutes @ 0 % - Repairs, replace worn jetting pipe dock side

QUALITY CONTROL REPORT-HOPPER DREDGE										PAGE NO. Page 303 of 494						
CONTRACT NO. W91278-16-D-0041 0001		CONTRACT TITLE IDIQ Rental Hopper Dredge in Mobile					CONTRACTOR Dutra Dredging Company			REPORT NO. 149						
CHARACTER OF REPORT		<input checked="" type="checkbox"/> MAINTENANCE <input type="checkbox"/> NEW WORK							DATE 29 Jun 2016 - Wednesday							
DREDGE (M/V Columbia)		HOPPER CAP: 4,387 CY		AVG VOL OF BIN WATER: 4,387 CY		AVG UNFILLED CAP: 4,387 CY										
		NO. OF CREW MEMBERS	DREDGE 13	OTHER PLANT 5	WORK SCHEDULE	SHIFTS PER DAY 2	DAYS PER WEEK 7									
LOCATION OF WORK		LOCATION CHANNEL Mobile Harbor		REACH DREDGED; STA TO STA Sta 700+00 to 760+00		DISPOSAL AREA USE Mobile 102 -SW		QTY DEPOSITED GROSS(CY) 10,540		CUMULATIVE AND QTY DEPOSIT FOR DA(CY) 1,409,455						
		AVG LENGTH OF CUT 6,000 FT		AVG WIDTH OF CUT 400 FT		AVG DIST TO DUMP 28 NM										
CHARACTER OF MATERIAL		DENSITY OF MATERIALS						GMS/LITER 1.045								
		DENSITY OF WATER			1.006			GMS/LITER@ 86 °F								
RIVER/TIDE STAGE		MIN 0	TIME 00:00	MAX 0	TIME 00:00	GAGE LOCATION Dog River										
		MIN 0	TIME 00:00	MAX 0	TIME 00:00	GAGE DATUM MLLW										
WEATHER CONDITION		WEATHER			TEMP (min / max)		VISIBILITY		WIND							
		Weather Caused No Delay			73 °F / 91 °F		10		15							
DRAFT					DISTRIBUTION OF TIME AND MILES RUN											
FORWARD		LIGHT		LOADED				AGITATING (MIN)		DREDGE & HAUL (MIN)		MILES RUN (NAUT MI)				
		8		15		EFFECTIVE WORKING TIME:										
AFT		10		16		PUMPING:		00:00		01:22		0.0				
						TURNING:		00:00		00:06		0.0				
DRAG DEPTH MAX 49 MIN 44					TO DUMP:		00:00		11:49		0.0					
					CONNECTING:		00:00		00:00		0.0					
INDICATORS LAST CHECKED ON 04/17/2016					DUMPING:		00:00		00:16		0.0					
					DISCONNECTING:		00:00		00:00		0.0					
AVERAGE SPEED OF DREDGE DURING LOADING					FT/MIN		2		TO CUT:		00:00		08:42		0.0	
AVERAGE SPEED OF DREDGE DURING AGITATING					FT/MIN		0		TOTALS:		00:00		22:15		0.0	
GALLONS OF FUEL OIL CONSUMED					GAL		3,661		NON-EFFECTIVE WORKING TIME:							
GALLONS OF WATER CONSUMED					GAL		1,012		TAKING ON FUEL AND SUPPLIES:		00:00		00:00		0.0	
WORK PERFORMED					TO AND FROM WHARF OR ANCHORAGE:		00:00		00:00		0.0					
					LOSS DUE TO NATURAL ELEMENTS:		00:00		00:00		0.0					
DREDGING AND HAULING			AGITATING		LOSS DUE TO TRAFFIC AND BRIDGES		00:00		00:00		0.0					
NO. OF LOADS	TOTAL CYS	DISPOSAL AREA		TOTAL CYS		MINOR OPERATING REPAIRS:		00:00		01:45		0.0				
5	10,540	Mobile 102-SW		0		TRANSFERRING BETWEEN WORKS:		00:00		00:00		0.0				
						LAY TIME:		00:00		00:00		0.0				
						FIRE AND BOAT DRILLS:		00:00		00:00		0.0				
ATTENDANT PLANT					MISCELLANEOUS:		00:00		00:00		0.0					
					TOTALS:		00:00		01:45		0.0					
ITEM		NAME OR NUMBER		H.P.	HOURS	LOST TIME:										
40' Crewboat		Cape Anne		400	12:00	MAJOR REPAIRS AND ALTERATIONS:		00:00		00:00		0.0				
						CESSATION:		00:00		00:00		0.0				
						COLLISIONS:		00:00		00:00		0.0				
						TOTALS:		00:00		00:00		0.0				
						TOTAL TIME/MILES:		00:00		24:00		0.0				

QUALITY CONTROL REPORT-HOPPER DREDGE					PAGE NO. Page 304 of 494	
CONTRACT NO. W91278-16-D-0041 0001		CONTRACT TITLE IDIQ Rental Hopper Dredge in Mobile		CONTRACTOR Dutra Dredging Company		REPORT NO. 149
DREDGE		NAME AND TYPE M/V Columbia			DATE 29 Jun 2016 - Wednesday	
LOADS						
LOAD NUMBER	DREDGING AREA DISPOSAL AREA	START TIME STOP TIME (HH:MM)	PUMPING TURNING (MIN)	TO DUMP DUMPING TO CUT (MIN)	TOTAL TIME DREDGED AMOUNT AGITATED AMOUNT (MIN/CYS)	
1	Sta 700+00 to 760+00 Mobile 102-SW	00:00 00:01	1 0	186 4 0	191 2,635 0	
2	Sta 700+00 to 760+00 Mobile 102-SW	03:11 03:39	28 0	192 4 149	373 2,635 0	
3	Sta 700+00 to 760+00 Mobile 102-SW	09:24 09:57	27 6	156 4 160	353 2,635 0	
4	Sta 700+00 to 760+00 Mobile 102-SW	15:17 15:42	25 0	175 4 165	369 2,635 0	
5	Sta 700+00 to 760+00 Mobile 102-SW	21:26 21:27	1 0	0 0 48	49 0 0	
QC NARRATIVE(S) GENERAL COMMENTS 1335 Minutes @ 100% 105 Minutes @ 0% Repair sheave for intermediate drag arm wire						

QUALITY CONTROL REPORT-HOPPER DREDGE										PAGE NO. Page 305 of 494																																															
CONTRACT NO. W91278-16-D-0041 0001		CONTRACT TITLE IDIQ Rental Hopper Dredge in Mobile					CONTRACTOR Dutra Dredging Company			REPORT NO. 150																																															
CHARACTER OF REPORT		<input checked="" type="checkbox"/> MAINTENANCE <input type="checkbox"/> NEW WORK							DATE 30 Jun 2016 - Thursday																																																
DREDGE (M/V Columbia)		HOPPER CAP: 4,387 CY		AVG VOL OF BIN WATER: 4,387 CY			AVG UNFILLED CAP: 4,387 CY																																																		
		NO. OF CREW MEMBERS	DREDGE 13	OTHER PLANT 5	WORK SCHEDULE	SHIFTS PER DAY 2	DAYS PER WEEK 7																																																		
LOCATION OF WORK		LOCATION CHANNEL Mobile Harbor	REACH DREDGED; STA TO STA Sta 700+00 to 760+00			DISPOSAL AREA USE Mobile 102 -SW	QTY DEPOSITED GROSS(CY) 2,635	CUMULATIVE AND QTY DEPOSIT FOR DA(CY) 1,412,090																																																	
		AVG LENGTH OF CUT 6,000 FT		AVG WIDTH OF CUT 400 FT		AVG DIST TO DUMP 28 NM																																																			
CHARACTER OF MATERIAL		DENSITY OF MATERIALS						GMS/LITER 1.045																																																	
		DENSITY OF WATER			1.006			GMS/LITER@ 86 °F																																																	
RIVER/TIDE STAGE		MIN 0	TIME 00:00	MAX 0	TIME 00:00	GAGE LOCATION Dog River																																																			
		MIN 0	TIME 00:00	MAX 0	TIME 00:00	GAGE DATUM MLLW																																																			
WEATHER CONDITION		WEATHER Weather Caused No Delay		TEMP (min / max) 73 °F / 89 °F		VISIBILITY 10	WIND 8																																																		
DRAFT					DISTRIBUTION OF TIME AND MILES RUN																																																				
FORWARD	LIGHT	LOADED				AGITATING (MIN)	DREDGE & HAUL (MIN)	MILES RUN (NAUT MI)																																																	
	8	15			EFFECTIVE WORKING TIME:																																																				
AFT	10	16			PUMPING:	00:00	00:24	0.0																																																	
DRAG DEPTH MAX 49 MIN 44 INDICATORS LAST CHECKED ON 04/17/2016 AVERAGE SPEED OF DREDGE DURING LOADING FT/MIN 2 AVERAGE SPEED OF DREDGE DURING AGITATING FT/MIN 0 GALLONS OF FUEL OIL CONSUMED GAL 840 GALLONS OF WATER CONSUMED GAL 780 WORK PERFORMED <table><tr><td colspan="3">DREDGING AND HAULING</td><td>AGITATING</td></tr><tr><td>NO. OF LOADS</td><td>TOTAL CYS</td><td>DISPOSAL AREA</td><td>TOTAL CYS</td></tr><tr><td>2</td><td>2,635</td><td>Mobile 102-SW</td><td>0</td></tr><tr><td></td><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td><td></td></tr></table> ATTENDANT PLANT <table><tr><td>ITEM</td><td>NAME OR NUMBER</td><td>H.P.</td><td>HOURS</td></tr><tr><td>40' Crewboat</td><td>Cape Anne</td><td>400</td><td>12:00</td></tr><tr><td></td><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td><td></td></tr></table>					DREDGING AND HAULING			AGITATING	NO. OF LOADS	TOTAL CYS	DISPOSAL AREA	TOTAL CYS	2	2,635	Mobile 102-SW	0									ITEM	NAME OR NUMBER	H.P.	HOURS	40' Crewboat	Cape Anne	400	12:00																					TURNING:	00:00	00:00	0.0	
					DREDGING AND HAULING			AGITATING																																																	
					NO. OF LOADS	TOTAL CYS	DISPOSAL AREA	TOTAL CYS																																																	
					2	2,635	Mobile 102-SW	0																																																	
					ITEM	NAME OR NUMBER	H.P.	HOURS																																																	
					40' Crewboat	Cape Anne	400	12:00																																																	
TO DUMP:	00:00	03:15	0.0																																																						
CONNECTING:	00:00	00:00	0.0																																																						
DUMPING:	00:00	00:04	0.0																																																						
DISCONNECTING:	00:00	00:00	0.0																																																						
TO CUT:	00:00	01:51	0.0																																																						
TOTALS:	00:00	05:34	0.0																																																						
NON-EFFECTIVE WORKING TIME:					TAKING ON FUEL AND SUPPLIES:	00:00	01:36	0.0																																																	
					TO AND FROM WHARF OR ANCHORAGE:	00:00	01:44	0.0																																																	
					LOSS DUE TO NATURAL ELEMENTS:	00:00	00:00	0.0																																																	
					LOSS DUE TO TRAFFIC AND BRIDGES	00:00	00:00	0.0																																																	
					MINOR OPERATING REPAIRS:	00:00	15:06	0.0																																																	
					TRANSFERRING BETWEEN WORKS:	00:00	00:00	0.0																																																	
					LAY TIME:	00:00	00:00	0.0																																																	
					FIRE AND BOAT DRILLS:	00:00	00:00	0.0																																																	
					MISCELLANEOUS:	00:00	00:00	0.0																																																	
					TOTALS:	00:00	18:26	0.0																																																	
LOST TIME:					MAJOR REPAIRS AND ALTERATIONS:	00:00	00:00	0.0																																																	
					CESSATION:	00:00	00:00	0.0																																																	
					COLLISIONS:	00:00	00:00	0.0																																																	
					TOTALS:	00:00	00:00	0.0																																																	
					TOTAL TIME/MILES:	00:00	24:00	0.0																																																	

QUALITY CONTROL REPORT-HOPPER DREDGE			PAGE NO. Page 306 of 494
CONTRACT NO. W91278-16-D-0041 0001	CONTRACT TITLE IDIQ Rental Hopper Dredge in Mobile	CONTRACTOR Dutra Dredging Company	REPORT NO. 150
DREDGE	NAME AND TYPE M/V Columbia		DATE 30 Jun 2016 - Thursday

LOADS					
LOAD NUMBER	DREDGING AREA DISPOSAL AREA	START TIME STOP TIME (HH:MM)	PUMPING TURNING (MIN)	TO DUMP DUMPING TO CUT (MIN)	TOTAL TIME DREDGED AMOUNT AGITATED AMOUNT (MIN/CYS)
1	Sta 700+00 to 760+00 Mobile 102-SW	18:26	23	195	327
		18:49	0	4	2,635
				105	0
2	Sta 700+00 to 760+00 Mobile 102-SW	23:53	1	0	7
		23:54	0	0	0
				6	0

QC NARRATIVE(S)

GENERAL COMMENTS

334 Minutes @ 100%

906 Minutes @ 0% Repair sheave for intermediate drag arm wire

104 Minutes @ 0%, To and From Dock

96 Mintues @ 0% Take on additional fuel while dock side for repairs

QUALITY CONTROL REPORT-HOPPER DREDGE											PAGE NO. <div>Page 307 of 494</div>			
CONTRACT NO. W91278-16-D-0041 0001		CONTRACT TITLE IDIQ Rental Hopper Dredge in Mobile					CONTRACTOR Dutra Dredging Company				REPORT NO. 151			
CHARACTER OF REPORT		<input checked="" type="checkbox"/> MAINTENANCE <input type="checkbox"/> NEW WORK								DATE 01 Jul 2016 - Friday				
DREDGE (M/V Columbia)		HOPPER CAP: 4,387 CY			AVG VOL OF BIN WATER: 4,387 CY			AVG UNFILLED CAP: 4,387 CY						
		NO. OF CREW MEMBERS	DREDGE 13		OTHER PLANT 5	WORK SCHEDULE	SHIFTS PER DAY 2	DAYS PER WEEK 7						
LOCATION OF WORK		LOCATION CHANNEL Mobile Harbor		REACH DREDGED; STA TO STA Sta 700+00 to 760+00 and Sta 640+00 to 700+00		DISPOSAL AREA USE Mobile 102 -SW		QTY DEPOSITED GROSS(CY) 7,905		CUMULATIVE AND QTY DEPOSIT FOR DA(CY) 1,419,995				
		AVG LENGTH OF CUT 6,000 FT			AVG WIDTH OF CUT 400 FT			AVG DIST TO DUMP 28 NM						
CHARACTER OF MATERIAL		DENSITY OF MATERIALS							GMS/LITER 1.045					
		DENSITY OF WATER				1.006			GMS/LITER@ 86 °F					
RIVER/TIDE STAGE		MIN 0	TIME 00:00	MAX 0	TIME 00:00	GAGE LOCATION Dog River								
		MIN 0	TIME 00:00	MAX 0	TIME 00:00	GAGE DATUM MLLW								
WEATHER CONDITION		WEATHER Weather Caused No Delay			TEMP (min / max) 73 °F / 89 °F		VISIBILITY 10		WIND 8					
DRAFT					DISTRIBUTION OF TIME AND MILES RUN									
FORWARD		LIGHT		LOADED				AGITATING (MIN)		DREDGE & HAUL (MIN)		MILES RUN (NAUT MI)		
		8		15		EFFECTIVE WORKING TIME:								
AFT		10		16		PUMPING:		00:00		01:56		0.0		
						TURNING:		00:00		00:00		0.0		
DRAG DEPTH MAX 49 MIN 44					TO DUMP:		00:00		11:05		0.0			
INDICATORS LAST CHECKED ON 04/17/2016					CONNECTING:		00:00		00:00		0.0			
AVERAGE SPEED OF DREDGE DURING LOADING					DUMPING:		00:00		00:12		0.0			
			FT/MIN 2		DISCONNECTING:		00:00		00:00		0.0			
AVERAGE SPEED OF DREDGE DURING AGITATING					TO CUT:		00:00		10:47		0.0			
			FT/MIN 0		TOTALS:		00:00		24:00		0.0			
GALLONS OF FUEL OIL CONSUMED					GAL 2,308		NON-EFFECTIVE WORKING TIME:							
GALLONS OF WATER CONSUMED					GAL 560		TAKING ON FUEL AND SUPPLIES:		00:00		00:00		0.0	
WORK PERFORMED					TO AND FROM WHARF OR ANCHORAGE:		00:00		00:00		0.0			
DREDGING AND HAULING			AGITATING		LOSS DUE TO NATURAL ELEMENTS:		00:00		00:00		0.0			
NO. OF LOADS	TOTAL CYS	DISPOSAL AREA		TOTAL CYS		LOSS DUE TO TRAFFIC AND BRIDGES		00:00		00:00		0.0		
4	7,905	Mobile 102-SW		0		MINOR OPERATING REPAIRS:		00:00		00:00		0.0		
						TRANSFERRING BETWEEN WORKS:		00:00		00:00		0.0		
						LAY TIME:		00:00		00:00		0.0		
						FIRE AND BOAT DRILLS:		00:00		00:00		0.0		
ATTENDANT PLANT					MISCELLANEOUS:		00:00		00:00		0.0			
ITEM	NAME OR NUMBER			H.P.	HOURS	TOTALS:		00:00		00:00		0.0		
40' Crewboat	Cape Anne			400	12:00	LOST TIME:								
						MAJOR REPAIRS AND ALTERATIONS:		00:00		00:00		0.0		
						CESSATION:		00:00		00:00		0.0		
						COLLISIONS:		00:00		00:00		0.0		
						TOTALS:		00:00		00:00		0.0		
						TOTAL TIME/MILES:		00:00		24:00		0.0		

QUALITY CONTROL REPORT-HOPPER DREDGE					PAGE NO. Page 308 of 494	
CONTRACT NO. W91278-16-D-0041 0001		CONTRACT TITLE IDIQ Rental Hopper Dredge in Mobile		CONTRACTOR Dutra Dredging Company		REPORT NO. 151
DREDGE		NAME AND TYPE M/V Columbia			DATE 01 Jul 2016 - Friday	
LOADS						
LOAD NUMBER	DREDGING AREA DISPOSAL AREA	START TIME STOP TIME (HH:MM)	PUMPING TURNING (MIN)	TO DUMP DUMPING TO CUT (MIN)	TOTAL TIME DREDGED AMOUNT AGITATED AMOUNT (MIN/CYS)	
1	Sta 700+00 to 760+00 Mobile 102-SW	00:00 00:26	26 0	181 4 147	358 2,635 0	
2	Sta 640+00 to 700+00 Mobile 102-SW	05:58 06:27	29 0	181 4 156	370 2,635 0	
3	Sta 640+00 to 700+00 Mobile 102-SW	12:08 12:39	31 0	173 4 180	388 2,635 0	
4	Sta 640+00 to 700+00 Mobile 102-SW	18:36 19:06	30 0	130 0 164	324 0 0	
QC NARRATIVE(S) GENERAL COMMENTS 1440 Minutes @ 100%						

QUALITY CONTROL REPORT-HOPPER DREDGE										PAGE NO. Page 309 of 494								
CONTRACT NO. W91278-16-D-0041 0001		CONTRACT TITLE IDIQ Rental Hopper Dredge in Mobile					CONTRACTOR Dutra Dredging Company			REPORT NO. 152								
CHARACTER OF REPORT		<input checked="" type="checkbox"/> MAINTENANCE <input type="checkbox"/> NEW WORK							DATE 02 Jul 2016 - Saturday									
DREDGE (M/V Columbia)		HOPPER CAP: 4,387 CY		AVG VOL OF BIN WATER: 4,387 CY		AVG UNFILLED CAP: 4,387 CY												
		NO. OF CREW MEMBERS	DREDGE 13	OTHER PLANT 5	WORK SCHEDULE	SHIFTS PER DAY 2	DAYS PER WEEK 7											
LOCATION OF WORK		LOCATION CHANNEL Mobile Harbor		REACH DREDGED; STA TO STA Sta 640+00 to 700+00		DISPOSAL AREA USE Mobile 102 -SW		QTY DEPOSITED GROSS(CY) 10,540		CUMULATIVE AND QTY DEPOSIT FOR DA(CY) 1,430,535								
		AVG LENGTH OF CUT 6,000 FT		AVG WIDTH OF CUT 400 FT		AVG DIST TO DUMP 28 NM												
CHARACTER OF MATERIAL		DENSITY OF MATERIALS						GMS/LITER 1.045										
		DENSITY OF WATER			1.006			GMS/LITER@ 86 °F										
RIVER/TIDE STAGE		MIN 0	TIME 00:00	MAX 0	TIME 00:00	GAGE LOCATION Dog River												
		MIN 0	TIME 00:00	MAX 0	TIME 00:00	GAGE DATUM MLLW												
WEATHER CONDITION		WEATHER			TEMP (min / max)		VISIBILITY		WIND									
		Weather Caused No Delay			78 °F / 95 °F		10		12									
DRAFT					DISTRIBUTION OF TIME AND MILES RUN													
FORWARD		LIGHT		LOADED				AGITATING (MIN)		DREDGE & HAUL (MIN)		MILES RUN (NAUT MI)						
		8		15		EFFECTIVE WORKING TIME:												
AFT		10		16		PUMPING:		00:00		02:10		0.0						
						TURNING:		00:00		00:00		0.0						
DRAG DEPTH MAX 49 MIN 44					TO DUMP:		00:00		10:06		0.0							
					CONNECTING:		00:00		00:00		0.0							
INDICATORS LAST CHECKED ON 04/17/2016					DUMPING:		00:00		00:16		0.0							
					DISCONNECTING:		00:00		00:00		0.0							
AVERAGE SPEED OF DREDGE DURING LOADING							FT/MIN		2		TO CUT:		00:00		11:28		0.0	
AVERAGE SPEED OF DREDGE DURING AGITATING							FT/MIN		0		TOTALS:		00:00		24:00		0.0	
GALLONS OF FUEL OIL CONSUMED							GAL		2,832		NON-EFFECTIVE WORKING TIME:							
GALLONS OF WATER CONSUMED							GAL		636		TAKING ON FUEL AND SUPPLIES:		00:00		00:00		0.0	
WORK PERFORMED											TO AND FROM WHARF OR ANCHORAGE:		00:00		00:00		0.0	
													LOSS DUE TO NATURAL ELEMENTS:		00:00		00:00	
DREDGING AND HAULING											LOSS DUE TO TRAFFIC AND BRIDGES		00:00		00:00		0.0	
NO. OF LOADS		TOTAL CYS		DISPOSAL AREA		TOTAL CYS				MINOR OPERATING REPAIRS:		00:00		00:00		0.0		
5		10,540		Mobile SW-102		0				TRANSFERRING BETWEEN WORKS:		00:00		00:00		0.0		
										LAY TIME:		00:00		00:00		0.0		
										FIRE AND BOAT DRILLS:		00:00		00:00		0.0		
ATTENDANT PLANT											MISCELLANEOUS:		00:00		00:00		0.0	
													TOTALS:		00:00		00:00	
ITEM		NAME OR NUMBER			H.P.		HOURS		LOST TIME:									
40' Crewboat		Cape Anne			400		12:00				MAJOR REPAIRS AND ALTERATIONS:		00:00		00:00		0.0	
											CESSATION:		00:00		00:00		0.0	
											COLLISIONS:		00:00		00:00		0.0	
											TOTALS:		00:00		00:00		0.0	
											TOTAL TIME/MILES:		00:00		24:00		0.0	

QUALITY CONTROL REPORT-HOPPER DREDGE					PAGE NO. Page 310 of 494	
CONTRACT NO. W91278-16-D-0041 0001		CONTRACT TITLE IDIQ Rental Hopper Dredge in Mobile		CONTRACTOR Dutra Dredging Company		REPORT NO. 152
DREDGE		NAME AND TYPE M/V Columbia			DATE 02 Jul 2016 - Saturday	
LOADS						
LOAD NUMBER	DREDGING AREA DISPOSAL AREA	START TIME STOP TIME (HH:MM)	PUMPING TURNING (MIN)	TO DUMP DUMPING TO CUT (MIN)	TOTAL TIME DREDGED AMOUNT AGITATED AMOUNT (MIN/CYS)	
1	Sta 640+00 to 700+00 Mobile SW-102	00:00 00:01	1 0	63 4 0	68 2,635 0	
2	Sta 640+00 to 700+00 Mobile SW-102	01:08 01:42	34 0	181 4 168	387 2,635 0	
3	Sta 640+00 to 700+00 Mobile SW-102	07:35 08:05	30 0	171 4 168	373 2,635 0	
4	Sta 640+00 to 700+00 Mobile SW-102	13:48 14:22	34 0	174 4 178	390 2,635 0	
5	Sta 640+00 to 700+00 Mobile SW-102	20:18 20:49	31 0	17 0 174	222 0 0	
QC NARRATIVE(S)						
GENERAL COMMENTS						
1440 Minutes @ 100%						

QUALITY CONTROL REPORT-HOPPER DREDGE										PAGE NO. Page 311 of 494	
CONTRACT NO. W91278-16-D-0041 0001		CONTRACT TITLE IDIQ Rental Hopper Dredge in Mobile					CONTRACTOR Dutra Dredging Company			REPORT NO. 153	
CHARACTER OF REPORT		<input checked="" type="checkbox"/> MAINTENANCE <input type="checkbox"/> NEW WORK							DATE 03 Jul 2016 - Sunday		
DREDGE (M/V Columbia)		HOPPER CAP: 4,387 CY		AVG VOL OF BIN WATER: 4,387 CY			AVG UNFILLED CAP: 4,387 CY				
		NO. OF CREW MEMBERS	DREDGE 13	OTHER PLANT 5	WORK SCHEDULE	SHIFTS PER DAY 2	DAYS PER WEEK 7				
LOCATION OF WORK		LOCATION CHANNEL Mobile Harbor	REACH DREDGED; STA TO STA Sta 640+00 to 700+00			DISPOSAL AREA USE Mobile 102 -SW	QTY DEPOSITED GROSS(CY) 10,540	CUMULATIVE AND QTY DEPOSIT FOR DA(CY) 1,441,075			
		AVG LENGTH OF CUT 6,000 FT		AVG WIDTH OF CUT 400 FT		AVG DIST TO DUMP 28 NM					
CHARACTER OF MATERIAL		DENSITY OF MATERIALS						GMS/LITER 1.045			
		DENSITY OF WATER			1.006			GMS/LITER@ 86 °F			
RIVER/TIDE STAGE		MIN 0	TIME 00:00	MAX 0	TIME 00:00	GAGE LOCATION Dog River					
		MIN 0	TIME 00:00	MAX 0	TIME 00:00	GAGE DATUM MLLW					
WEATHER CONDITION		WEATHER Weather Caused No Delay			TEMP (min / max) 77 °F / 91 °F		VISIBILITY 10	WIND 9			
DRAFT					DISTRIBUTION OF TIME AND MILES RUN						
FORWARD	LIGHT		LOADED			AGITATING (MIN)	DREDGE & HAUL (MIN)	MILES RUN (NAUT MI)			
	8		15		EFFECTIVE WORKING TIME:						
AFT	10		16		PUMPING:	00:00	01:31	0.0			
					TURNING:	00:00	00:00	0.0			
DRAG DEPTH MAX 49 MIN 44					TO DUMP:	00:00	11:18	0.0			
					CONNECTING:	00:00	00:00	0.0			
INDICATORS LAST CHECKED ON 04/17/2016					DUMPING:	00:00	00:16	0.0			
					DISCONNECTING:	00:00	00:00	0.0			
AVERAGE SPEED OF DREDGE DURING LOADING				FT/MIN	2	TO CUT:	00:00	10:55	0.0		
AVERAGE SPEED OF DREDGE DURING AGITATING				FT/MIN	0	TOTALS:	00:00	24:00	0.0		
GALLONS OF FUEL OIL CONSUMED				GAL	2,635	NON-EFFECTIVE WORKING TIME:					
GALLONS OF WATER CONSUMED				GAL	935	TAKING ON FUEL AND SUPPLIES:	00:00	00:00	0.0		
WORK PERFORMED					TO AND FROM WHARF OR ANCHORAGE:	00:00	00:00	0.0			
					LOSS DUE TO NATURAL ELEMENTS:	00:00	00:00	0.0			
DREDGING AND HAULING				AGITATING	LOSS DUE TO TRAFFIC AND BRIDGES	00:00	00:00	0.0			
NO. OF LOADS	TOTAL CYS	DISPOSAL AREA	TOTAL CYS		MINOR OPERATING REPAIRS:	00:00	00:00	0.0			
5	10,540	Mobile 102-SW	0		TRANSFERRING BETWEEN WORKS:	00:00	00:00	0.0			
					LAY TIME:	00:00	00:00	0.0			
					FIRE AND BOAT DRILLS:	00:00	00:00	0.0			
ATTENDANT PLANT					MISCELLANEOUS:	00:00	00:00	0.0			
					TOTALS:	00:00	00:00	0.0			
ITEM	NAME OR NUMBER		H.P.	HOURS	LOST TIME:						
40' Crewboat	Cape Anne		400	12:00	MAJOR REPAIRS AND ALTERATIONS:	00:00	00:00	0.0			
					CESSATION:	00:00	00:00	0.0			
					COLLISIONS:	00:00	00:00	0.0			
					TOTALS:	00:00	00:00	0.0			
					TOTAL TIME/MILES:	00:00	24:00	0.0			

QUALITY CONTROL REPORT-HOPPER DREDGE					PAGE NO. Page 312 of 494	
CONTRACT NO. W91278-16-D-0041 0001		CONTRACT TITLE IDIQ Rental Hopper Dredge in Mobile		CONTRACTOR Dutra Dredging Company		REPORT NO. 153
DREDGE		NAME AND TYPE M/V Columbia			DATE 03 Jul 2016 - Sunday	
LOADS						
LOAD NUMBER	DREDGING AREA DISPOSAL AREA	START TIME STOP TIME (HH:MM)	PUMPING TURNING (MIN)	TO DUMP DUMPING TO CUT (MIN)	TOTAL TIME DREDGED AMOUNT AGITATED AMOUNT (MIN/CYS)	
1	Sta 640+00 to 700+00 Mobile 102-SW	00:00 00:01	1 0	165 4 0	170 2,635 0	
2	Sta 640+00 to 700+00 Mobile 102-SW	02:50 03:18	28 0	177 4 166	375 2,635 0	
3	Sta 640+00 to 700+00 Mobile 102-SW	09:05 09:36	31 0	162 4 178	375 2,635 0	
4	Sta 640+00 to 700+00 Mobile 102-SW	15:20 15:50	30 0	174 4 181	389 2,635 0	
5	Sta 640+00 to 700+00 Mobile 102-SW	21:49 21:50	1 0	0 0 130	131 0 0	
QC NARRATIVE(S)						
GENERAL COMMENTS						
1440 Minutes @ 100%						

QUALITY CONTROL REPORT-HOPPER DREDGE										PAGE NO. Page 313 of 494	
CONTRACT NO. W91278-16-D-0041 0001		CONTRACT TITLE IDIQ Rental Hopper Dredge in Mobile					CONTRACTOR Dutra Dredging Company			REPORT NO. 154	
CHARACTER OF REPORT		<input checked="" type="checkbox"/> MAINTENANCE <input type="checkbox"/> NEW WORK							DATE 04 Jul 2016 - Monday		
DREDGE (M/V Columbia)		HOPPER CAP: 4,387 CY		AVG VOL OF BIN WATER: 4,387 CY		AVG UNFILLED CAP: 4,387 CY					
		NO. OF CREW MEMBERS	DREDGE 13	OTHER PLANT 5	WORK SCHEDULE	SHIFTS PER DAY 2	DAYS PER WEEK 7				
LOCATION OF WORK		LOCATION CHANNEL Mobile Harbor	REACH DREDGED; STA TO STA Sta 640+00 to 700+00		DISPOSAL AREA USE Mobile 102 -SW		QTY DEPOSITED GROSS(CY) 2,905	CUMULATIVE AND QTY DEPOSIT FOR DA(CY) 1,443,980			
		AVG LENGTH OF CUT 6,000 FT		AVG WIDTH OF CUT 400 FT		AVG DIST TO DUMP 28 NM					
CHARACTER OF MATERIAL		DENSITY OF MATERIALS						GMS/LITER 1.045			
		DENSITY OF WATER			1.006			GMS/LITER@ 86 °F			
RIVER/TIDE STAGE		MIN 1	TIME 00:00	MAX 0	TIME 00:00	GAGE LOCATION Dog River					
		MIN 1	TIME 00:00	MAX 0	TIME 00:00	GAGE DATUM MLLW					
WEATHER CONDITION		WEATHER		TEMP (min / max)		VISIBILITY		WIND			
		Weather Caused No Delay		80 °F / 93 °F		10		29			
DRAFT					DISTRIBUTION OF TIME AND MILES RUN						
FORWARD		LIGHT		LOADED				AGITATING (MIN)	DREDGE & HAUL (MIN)	MILES RUN (NAUT MI)	
		8		15				EFFECTIVE WORKING TIME:			
AFT											
		10		16							
DRAG DEPTH MAX 49 MIN 44					PUMPING:		00:00	01:53	0.0		
INDICATORS LAST CHECKED ON 04/17/2016					TURNING:		00:00	00:07	0.0		
					TO DUMP:		00:00	12:15	0.0		
AVERAGE SPEED OF DREDGE DURING LOADING					CONNECTING:		00:00	00:00	0.0		
					DUMPING:		00:00	00:46	0.0		
AVERAGE SPEED OF DREDGE DURING AGITATING					DISCONNECTING:		00:00	00:00	0.0		
					TO CUT:		00:00	08:59	0.0		
GALLONS OF FUEL OIL CONSUMED					TOTALS:		00:00	24:00	0.0		
					NON-EFFECTIVE WORKING TIME:						
GALLONS OF WATER CONSUMED					TAKING ON FUEL AND SUPPLIES:		00:00	00:00	0.0		
					TO AND FROM WHARF OR ANCHORAGE:		00:00	00:00	0.0		
WORK PERFORMED					LOSS DUE TO NATURAL ELEMENTS:		00:00	00:00	0.0		
DREDGING AND HAULING				AGITATING		LOSS DUE TO TRAFFIC AND BRIDGES		00:00	00:00	0.0	
NO. OF LOADS	TOTAL CYS	DISPOSAL AREA		TOTAL CYS		MINOR OPERATING REPAIRS:		00:00	00:00	0.0	
4	2,905	Mobile 102-SW		0		TRANSFERRING BETWEEN WORKS:		00:00	00:00	0.0	
						LAY TIME:		00:00	00:00	0.0	
						FIRE AND BOAT DRILLS:		00:00	00:00	0.0	
ATTENDANT PLANT					MISCELLANEOUS:		00:00	00:00	0.0		
ITEM	NAME OR NUMBER		H.P.	HOURS	TOTALS:		00:00	00:00	0.0		
40' Crewboat	Cape Anne		400	12:00	LOST TIME:						
					MAJOR REPAIRS AND ALTERATIONS:		00:00	00:00	0.0		
					CESSATION:		00:00	00:00	0.0		
					COLLISIONS:		00:00	00:00	0.0		
					TOTALS:		00:00	00:00	0.0		
					TOTAL TIME/MILES:		00:00	24:00	0.0		

QUALITY CONTROL REPORT-HOPPER DREDGE					PAGE NO. <div>Page 314 of 494</div>	
CONTRACT NO. W91278-16-D-0041 0001		CONTRACT TITLE IDIQ Rental Hopper Dredge in Mobile		CONTRACTOR Dutra Dredging Company		REPORT NO. 154
DREDGE		NAME AND TYPE M/V Columbia			DATE 04 Jul 2016 - Monday	
LOADS						
LOAD NUMBER	DREDGING AREA DISPOSAL AREA	START TIME STOP TIME (HH:MM)	PUMPING TURNING (MIN)	TO DUMP DUMPING TO CUT (MIN)	TOTAL TIME DREDGED AMOUNT AGITATED AMOUNT (MIN/CYS)	
1	Sta 640+00 to 700+00 Mobile 102-SW	00:00 00:38	31 7	185 4 34	261 2,635 0	
2	Sta 640+00 to 700+00 Mobile 102-SW	04:21 04:47	26 0	179 3 164	372 270 0	
3	Sta 640+00 to 700+00 Mobile 102-SW	10:33 11:02	29 0	175 39 161	404 0 0	
4	Sta 640+00 to 700+00 Mobile 102-SW	17:17 17:44	27 0	196 0 180	403 0 0	
<div>QC NARRATIVE(S)</div> <div>GENERAL COMMENTS</div> <div>1440 Minutes @ 100%</div> <div>Correction made to Total Cumulative Yards Corrected 5,000 too much, recorded 0 yards for Load 548, and 270 for load 547 to make up the 5,000 yards</div>						

QUALITY CONTROL REPORT-HOPPER DREDGE										PAGE NO. Page 315 of 494		
CONTRACT NO. W91278-16-D-0041 0001		CONTRACT TITLE IDIQ Rental Hopper Dredge in Mobile					CONTRACTOR Dutra Dredging Company			REPORT NO. 155		
CHARACTER OF REPORT		<input checked="" type="checkbox"/> MAINTENANCE <input type="checkbox"/> NEW WORK							DATE 05 Jul 2016 - Tuesday			
DREDGE (M/V Columbia)		HOPPER CAP: 4,387 CY		AVG VOL OF BIN WATER: 4,387 CY			AVG UNFILLED CAP: 4,387 CY					
		NO. OF CREW MEMBERS	DREDGE 13	OTHER PLANT 5	WORK SCHEDULE	SHIFTS PER DAY 2	DAYS PER WEEK 7					
LOCATION OF WORK		LOCATION CHANNEL Mobile Harbor	REACH DREDGED; STA TO STA Sta 640+00 to 700+00			DISPOSAL AREA USE Mobile 102 -SW	QTY DEPOSITED GROSS(CY) 10,540	CUMULATIVE AND QTY DEPOSIT FOR DA(CY) 1,454,520				
		AVG LENGTH OF CUT 6,000 FT		AVG WIDTH OF CUT 400 FT		AVG DIST TO DUMP 28 NM						
CHARACTER OF MATERIAL		DENSITY OF MATERIALS						GMS/LITER 1.045				
		DENSITY OF WATER			1.006			GMS/LITER@ 86 °F				
RIVER/TIDE STAGE		MIN 1	TIME 00:00	MAX 0	TIME 00:00	GAGE LOCATION Dog River						
		MIN 1	TIME 00:00	MAX 0	TIME 00:00	GAGE DATUM MLLW						
WEATHER CONDITION		WEATHER			TEMP (min / max)		VISIBILITY	WIND				
		Weather Caused No Delay			80 °F / 93 °F		10	25				
DRAFT					DISTRIBUTION OF TIME AND MILES RUN							
FORWARD	LIGHT		LOADED			AGITATING (MIN)	DREDGE & HAUL (MIN)	MILES RUN (NAUT MI)				
	8		15		EFFECTIVE WORKING TIME:							
AFT	10		16		PUMPING:	00:00	01:59	0.0				
					TURNING:	00:00	00:00	0.0				
DRAG DEPTH MAX 49 MIN 44				TO DUMP:		00:00	10:45	0.0				
				CONNECTING:		00:00	00:00	0.0				
INDICATORS LAST CHECKED ON 04/17/2016				DUMPING:		00:00	00:16	0.0				
				DISCONNECTING:		00:00	00:00	0.0				
AVERAGE SPEED OF DREDGE DURING LOADING				FT/MIN	2	TO CUT:		00:00	11:00	0.0		
AVERAGE SPEED OF DREDGE DURING AGITATING				FT/MIN	0	TOTALS:		00:00	24:00	0.0		
GALLONS OF FUEL OIL CONSUMED				GAL	2,839	NON-EFFECTIVE WORKING TIME:						
GALLONS OF WATER CONSUMED				GAL	748	TAKING ON FUEL AND SUPPLIES:	00:00	00:00	0.0			
WORK PERFORMED					TO AND FROM WHARF OR ANCHORAGE:		00:00	00:00	0.0			
					LOSS DUE TO NATURAL ELEMENTS:		00:00	00:00	0.0			
DREDGING AND HAULING				AGITATING		LOSS DUE TO TRAFFIC AND BRIDGES		00:00	00:00	0.0		
NO. OF LOADS	TOTAL CYS	DISPOSAL AREA		TOTAL CYS		MINOR OPERATING REPAIRS:		00:00	00:00	0.0		
5	10,540	Mobile 102-SW		0		TRANSFERRING BETWEEN WORKS:		00:00	00:00	0.0		
						LAY TIME:		00:00	00:00	0.0		
						FIRE AND BOAT DRILLS:		00:00	00:00	0.0		
ATTENDANT PLANT					MISCELLANEOUS:		00:00	00:00	0.0			
					TOTALS:		00:00	00:00	0.0			
ITEM					NAME OR NUMBER	H.P.	HOURS	LOST TIME:				
40' Crewboat					Cape Anne	400	12:00	MAJOR REPAIRS AND ALTERATIONS:				
								00:00		00:00	0.0	
								CESSATION:		00:00	00:00	0.0
								COLLISIONS:		00:00	00:00	0.0
								TOTALS:		00:00	00:00	0.0
								TOTAL TIME/MILES:		00:00	24:00	0.0

QUALITY CONTROL REPORT-HOPPER DREDGE					PAGE NO. Page 316 of 494	
CONTRACT NO. W91278-16-D-0041 0001		CONTRACT TITLE IDIQ Rental Hopper Dredge in Mobile		CONTRACTOR Dutra Dredging Company		REPORT NO. 155
DREDGE		NAME AND TYPE M/V Columbia			DATE 05 Jul 2016 - Tuesday	
LOADS						
LOAD NUMBER	DREDGING AREA DISPOSAL AREA	START TIME STOP TIME (HH:MM)	PUMPING TURNING (MIN)	TO DUMP DUMPING TO CUT (MIN)	TOTAL TIME DREDGED AMOUNT AGITATED AMOUNT (MIN/CYS)	
1	Sta 640+00 to 700+00 Mobile 102-SW	00:00 00:01	1 0	33 4 0	38 2,635 0	
2	Sta 640+00 to 700+00 Mobile 102-SW	00:38 01:09	31 0	182 4 166	383 2,635 0	
3	Sta 640+00 to 700+00 Mobile 102-SW	07:01 07:27	26 0	178 4 158	366 2,635 0	
4	Sta 640+00 to 700+00 Mobile 102-SW	13:07 13:39	32 0	174 4 164	374 2,635 0	
5	Sta 640+00 to 700+00 Mobile 102-SW	19:21 19:50	29 0	78 0 172	279 0 0	
QC NARRATIVE(S)						
GENERAL COMMENTS						
1440 Minutes @ 100%						

QUALITY CONTROL REPORT-HOPPER DREDGE										PAGE NO. Page 317 of 494	
CONTRACT NO. W91278-16-D-0041 0001		CONTRACT TITLE IDIQ Rental Hopper Dredge in Mobile					CONTRACTOR Dutra Dredging Company			REPORT NO. 156	
CHARACTER OF REPORT		<input checked="" type="checkbox"/> MAINTENANCE <input type="checkbox"/> NEW WORK							DATE 06 Jul 2016 - Wednesday		
DREDGE (M/V Columbia)		HOPPER CAP: 4,387 CY		AVG VOL OF BIN WATER: 4,387 CY			AVG UNFILLED CAP: 4,387 CY				
		NO. OF CREW MEMBERS	DREDGE 13	OTHER PLANT 5	WORK SCHEDULE	SHIFTS PER DAY 2	DAYS PER WEEK 7				
LOCATION OF WORK		LOCATION CHANNEL Mobile Harbor	REACH DREDGED; STA TO STA Sta 640+00 to 700+00			DISPOSAL AREA USE Mobile 102 -SW	QTY DEPOSITED GROSS(CY) 10,540	CUMULATIVE AND QTY DEPOSIT FOR DA(CY) 1,465,060			
		AVG LENGTH OF CUT 6,000 FT		AVG WIDTH OF CUT 400 FT		AVG DIST TO DUMP 28 NM					
CHARACTER OF MATERIAL		DENSITY OF MATERIALS						GMS/LITER 1.045			
		DENSITY OF WATER			1.006			GMS/LITER@ 86 °F			
RIVER/TIDE STAGE		MIN 1	TIME 00:00	MAX 0	TIME 00:00	GAGE LOCATION Dog River					
		MIN 1	TIME 00:00	MAX 0	TIME 00:00	GAGE DATUM MLLW					
WEATHER CONDITION		WEATHER			TEMP (min / max)		VISIBILITY	WIND			
		Weather Caused No Delay			80 °F / 88 °F		10	6			
DRAFT					DISTRIBUTION OF TIME AND MILES RUN						
FORWARD	LIGHT		LOADED			AGITATING (MIN)	DREDGE & HAUL (MIN)	MILES RUN (NAUT MI)			
	8		15		EFFECTIVE WORKING TIME:						
AFT	10		16		PUMPING:	00:00	02:03	0.0			
					TURNING:	00:00	00:00	0.0			
DRAG DEPTH MAX 49 MIN 44					TO DUMP:	00:00	10:35	0.0			
					CONNECTING:	00:00	00:00	0.0			
INDICATORS LAST CHECKED ON 04/17/2016					DUMPING:	00:00	00:16	0.0			
					DISCONNECTING:	00:00	00:00	0.0			
AVERAGE SPEED OF DREDGE DURING LOADING				FT/MIN	2	TO CUT:	00:00	11:06	0.0		
AVERAGE SPEED OF DREDGE DURING AGITATING				FT/MIN	0	TOTALS:	00:00	24:00	0.0		
GALLONS OF FUEL OIL CONSUMED				GAL	2,884	NON-EFFECTIVE WORKING TIME:					
GALLONS OF WATER CONSUMED				GAL	748	TAKING ON FUEL AND SUPPLIES:	00:00	00:00	0.0		
WORK PERFORMED					TO AND FROM WHARF OR ANCHORAGE:	00:00	00:00	0.0			
					LOSS DUE TO NATURAL ELEMENTS:	00:00	00:00	0.0			
DREDGING AND HAULING				AGITATING	LOSS DUE TO TRAFFIC AND BRIDGES	00:00	00:00	0.0			
NO. OF LOADS	TOTAL CYS	DISPOSAL AREA	TOTAL CYS		MINOR OPERATING REPAIRS:	00:00	00:00	0.0			
5	10,540	Mobile 102-SW	0		TRANSFERRING BETWEEN WORKS:	00:00	00:00	0.0			
					LAY TIME:	00:00	00:00	0.0			
					FIRE AND BOAT DRILLS:	00:00	00:00	0.0			
ATTENDANT PLANT					MISCELLANEOUS:	00:00	00:00	0.0			
					TOTALS:	00:00	00:00	0.0			
ITEM	NAME OR NUMBER		H.P.	HOURS	LOST TIME:						
40' Crewboat	Cape Anne		400	12:00	MAJOR REPAIRS AND ALTERATIONS:	00:00	00:00	0.0			
					CESSATION:	00:00	00:00	0.0			
					COLLISIONS:	00:00	00:00	0.0			
					TOTALS:	00:00	00:00	0.0			
					TOTAL TIME/MILES:	00:00	24:00	0.0			

QUALITY CONTROL REPORT-HOPPER DREDGE					PAGE NO. Page 318 of 494	
CONTRACT NO. W91278-16-D-0041 0001		CONTRACT TITLE IDIQ Rental Hopper Dredge in Mobile		CONTRACTOR Dutra Dredging Company		REPORT NO. 156
DREDGE		NAME AND TYPE M/V Columbia			DATE 06 Jul 2016 - Wednesday	
LOADS						
LOAD NUMBER	DREDGING AREA DISPOSAL AREA	START TIME STOP TIME (HH:MM)	PUMPING TURNING (MIN)	TO DUMP DUMPING TO CUT (MIN)	TOTAL TIME DREDGED AMOUNT AGITATED AMOUNT (MIN/CYS)	
1	Sta 650+00 to 700+00 Mobile 102-SW	00:00 00:01	1 0	116 4 0	121 2,635 0	
2	Sta 650+00 to 700+00 Mobile 102-SW	02:01 02:34	33 0	178 4 174	389 2,635 0	
3	Sta 650+00 to 700+00 Mobile 102-SW	08:30 08:55	25 0	175 4 162	366 2,635 0	
4	Sta 650+00 to 700+00 Mobile 102-SW	14:36 15:08	32 0	166 4 164	366 2,635 0	
5	Sta 650+00 to 700+00 Mobile 102-SW	20:42 21:14	32 0	0 0 166	198 0 0	
QC NARRATIVE(S) GENERAL COMMENTS 1440 Minutes @ 100%						

QUALITY CONTROL REPORT-HOPPER DREDGE										PAGE NO. Page 319 of 494	
CONTRACT NO. W91278-16-D-0041 0001		CONTRACT TITLE IDIQ Rental Hopper Dredge in Mobile					CONTRACTOR Dutra Dredging Company			REPORT NO. 157	
CHARACTER OF REPORT		<input checked="" type="checkbox"/> MAINTENANCE <input type="checkbox"/> NEW WORK							DATE 07 Jul 2016 - Thursday		
DREDGE (M/V Columbia)		HOPPER CAP: 4,387 CY		AVG VOL OF BIN WATER: 4,387 CY		AVG UNFILLED CAP: 4,387 CY					
		NO. OF CREW MEMBERS	DREDGE 13	OTHER PLANT 5	WORK SCHEDULE	SHIFTS PER DAY 2	DAYS PER WEEK 7				
LOCATION OF WORK		LOCATION CHANNEL Mobile Harbor	REACH DREDGED; STA TO STA Sta 640+00 to 700+00		DISPOSAL AREA USE Mobile 102 -SW		QTY DEPOSITED GROSS(CY) 10,540	CUMULATIVE AND QTY DEPOSIT FOR DA(CY) 1,475,600			
		AVG LENGTH OF CUT 6,000 FT		AVG WIDTH OF CUT 400 FT		AVG DIST TO DUMP 28 NM					
CHARACTER OF MATERIAL		DENSITY OF MATERIALS						GMS/LITER 1.045			
		DENSITY OF WATER			1.006			GMS/LITER@ 86 °F			
RIVER/TIDE STAGE		MIN 1	TIME 00:00	MAX 0	TIME 00:00	GAGE LOCATION Dog River					
		MIN 0	TIME 00:00	MAX 0	TIME 00:00	GAGE DATUM MLLW					
WEATHER CONDITION		WEATHER		TEMP (min / max)		VISIBILITY		WIND			
		Weather Caused No Delay		78 °F / 91 °F		10		6			
DRAFT					DISTRIBUTION OF TIME AND MILES RUN						
FORWARD		LIGHT		LOADED				AGITATING (MIN)	DREDGE & HAUL (MIN)	MILES RUN (NAUT MI)	
		8		15				EFFECTIVE WORKING TIME:			
AFT											
		10		16							
DRAG DEPTH MAX 49 MIN 44					PUMPING:		00:00	01:28	0.0		
INDICATORS LAST CHECKED ON 04/17/2016					TURNING:		00:00	00:00	0.0		
					TO DUMP:		00:00	11:48	0.0		
AVERAGE SPEED OF DREDGE DURING LOADING					CONNECTING:		00:00	00:00	0.0		
					DUMPING:		00:00	00:16	0.0		
AVERAGE SPEED OF DREDGE DURING AGITATING					DISCONNECTING:		00:00	00:00	0.0		
					TO CUT:		00:00	10:28	0.0		
GALLONS OF FUEL OIL CONSUMED					TOTALS:		00:00	24:00	0.0		
					NON-EFFECTIVE WORKING TIME:						
GALLONS OF WATER CONSUMED					TAKING ON FUEL AND SUPPLIES:		00:00	00:00	0.0		
					TO AND FROM WHARF OR ANCHORAGE:		00:00	00:00	0.0		
WORK PERFORMED					LOSS DUE TO NATURAL ELEMENTS:		00:00	00:00	0.0		
DREDGING AND HAULING				AGITATING		LOSS DUE TO TRAFFIC AND BRIDGES		00:00	00:00	0.0	
NO. OF LOADS	TOTAL CYS	DISPOSAL AREA		TOTAL CYS		MINOR OPERATING REPAIRS:		00:00	00:00	0.0	
5	10,540	Mobile 102-SW		0		TRANSFERRING BETWEEN WORKS:		00:00	00:00	0.0	
						LAY TIME:		00:00	00:00	0.0	
						FIRE AND BOAT DRILLS:		00:00	00:00	0.0	
ATTENDANT PLANT					MISCELLANEOUS:		00:00	00:00	0.0		
ITEM	NAME OR NUMBER		H.P.	HOURS	TOTALS:		00:00	00:00	0.0		
40' Crewboat	Cape Anne		400	12:00	LOST TIME:						
					MAJOR REPAIRS AND ALTERATIONS:		00:00	00:00	0.0		
					CESSATION:		00:00	00:00	0.0		
					COLLISIONS:		00:00	00:00	0.0		
					TOTALS:		00:00	00:00	0.0		
					TOTAL TIME/MILES:		00:00	24:00	0.0		

QUALITY CONTROL REPORT-HOPPER DREDGE			PAGE NO. Page 320 of 494
CONTRACT NO. W91278-16-D-0041 0001	CONTRACT TITLE IDIQ Rental Hopper Dredge in Mobile	CONTRACTOR Dutra Dredging Company	REPORT NO. 157
DREDGE	NAME AND TYPE M/V Columbia	DATE 07 Jul 2016 - Thursday	

LOADS					
LOAD NUMBER	DREDGING AREA DISPOSAL AREA	START TIME STOP TIME (HH:MM)	PUMPING TURNING (MIN)	TO DUMP DUMPING TO CUT (MIN)	TOTAL TIME DREDGED AMOUNT AGITATED AMOUNT (MIN/CYS)
1	Sta 640+00 to 700+00 Mobile 102-SW	00:00 00:01	1 0	196 4 0	201 2,635 0
2	Sta 640+00 to 700+00 Mobile 102-SW	03:21 03:51	30 0	172 4 168	374 2,635 0
3	Sta 640+00 to 700+00 Mobile 102-SW	09:35 10:04	29 0	171 4 161	365 2,635 0
4	Sta 640+00 to 700+00 Mobile 102-SW	15:40 16:07	27 0	169 4 159	359 2,635 0
5	Sta 640+00 to 700+00 Mobile 102-SW	21:39 21:40	1 0	0 0 140	141 0 0

QC NARRATIVE(S)

GENERAL COMMENTS

1440 Minutes @ 100%

QUALITY CONTROL REPORT-HOPPER DREDGE										PAGE NO. Page 321 of 494								
CONTRACT NO. W91278-16-D-0041 0001		CONTRACT TITLE IDIQ Rental Hopper Dredge in Mobile					CONTRACTOR Dutra Dredging Company			REPORT NO. 158								
CHARACTER OF REPORT		<input checked="" type="checkbox"/> MAINTENANCE <input type="checkbox"/> NEW WORK							DATE 08 Jul 2016 - Friday									
DREDGE (M/V Columbia)		HOPPER CAP: 4,387 CY		AVG VOL OF BIN WATER: 4,387 CY		AVG UNFILLED CAP: 4,387 CY												
		NO. OF CREW MEMBERS	DREDGE 13	OTHER PLANT 5	WORK SCHEDULE	SHIFTS PER DAY 2	DAYS PER WEEK 7											
LOCATION OF WORK		LOCATION CHANNEL Mobile Harbor		REACH DREDGED; STA TO STA Sta 640+00 to 700+00		DISPOSAL AREA USE Mobile 102 -SW		QTY DEPOSITED GROSS(CY) 10,540		CUMULATIVE AND QTY DEPOSIT FOR DA(CY) 1,486,140								
		AVG LENGTH OF CUT 6,000 FT		AVG WIDTH OF CUT 400 FT		AVG DIST TO DUMP 28 NM												
CHARACTER OF MATERIAL		DENSITY OF MATERIALS						GMS/LITER 1.045										
		DENSITY OF WATER			1.006			GMS/LITER@ 86 °F										
RIVER/TIDE STAGE		MIN 0	TIME 00:00	MAX 0	TIME 00:00	GAGE LOCATION Dog River												
		MIN 1	TIME 00:00	MAX 0	TIME 00:00	GAGE DATUM MLLW												
WEATHER CONDITION		WEATHER			TEMP (min / max)		VISIBILITY		WIND									
		Weather Caused No Delay			79 °F / 93 °F		10		8									
DRAFT					DISTRIBUTION OF TIME AND MILES RUN													
FORWARD		LIGHT		LOADED				AGITATING (MIN)		DREDGE & HAUL (MIN)		MILES RUN (NAUT MI)						
		8		15		EFFECTIVE WORKING TIME:												
AFT		10		16		PUMPING:		00:00		01:56		0.0						
						TURNING:		00:00		00:00		0.0						
DRAG DEPTH MAX 49 MIN 44					TO DUMP:		00:00		11:48		0.0							
					CONNECTING:		00:00		00:00		0.0							
INDICATORS LAST CHECKED ON 04/17/2016					DUMPING:		00:00		00:16		0.0							
					DISCONNECTING:		00:00		00:00		0.0							
AVERAGE SPEED OF DREDGE DURING LOADING							FT/MIN		2		TO CUT:		00:00		10:00		0.0	
AVERAGE SPEED OF DREDGE DURING AGITATING							FT/MIN		0		TOTALS:		00:00		24:00		0.0	
GALLONS OF FUEL OIL CONSUMED							GAL		2,872		NON-EFFECTIVE WORKING TIME:							
GALLONS OF WATER CONSUMED							GAL		561		TAKING ON FUEL AND SUPPLIES:		00:00		00:00		0.0	
WORK PERFORMED											TO AND FROM WHARF OR ANCHORAGE:		00:00		00:00		0.0	
													LOSS DUE TO NATURAL ELEMENTS:		00:00		00:00	
DREDGING AND HAULING				AGITATING						LOSS DUE TO TRAFFIC AND BRIDGES		00:00		00:00		0.0		
NO. OF LOADS		TOTAL CYS		DISPOSAL AREA		TOTAL CYS				MINOR OPERATING REPAIRS:		00:00		00:00		0.0		
5		10,540		Mobile 102-SW		0				TRANSFERRING BETWEEN WORKS:		00:00		00:00		0.0		
										LAY TIME:		00:00		00:00		0.0		
										FIRE AND BOAT DRILLS:		00:00		00:00		0.0		
ATTENDANT PLANT											MISCELLANEOUS:		00:00		00:00		0.0	
													TOTALS:		00:00		00:00	
ITEM		NAME OR NUMBER			H.P.		HOURS		LOST TIME:									
40' Crewboat		Cape Anne			400		12:00				MAJOR REPAIRS AND ALTERATIONS:		00:00		00:00		0.0	
											CESSATION:		00:00		00:00		0.0	
											COLLISIONS:		00:00		00:00		0.0	
											TOTALS:		00:00		00:00		0.0	
											TOTAL TIME/MILES:		00:00		24:00		0.0	

QUALITY CONTROL REPORT-HOPPER DREDGE					PAGE NO. Page 322 of 494	
CONTRACT NO. W91278-16-D-0041 0001		CONTRACT TITLE IDIQ Rental Hopper Dredge in Mobile		CONTRACTOR Dutra Dredging Company		REPORT NO. 158
DREDGE		NAME AND TYPE M/V Columbia			DATE 08 Jul 2016 - Friday	
LOADS						
LOAD NUMBER	DREDGING AREA DISPOSAL AREA	START TIME STOP TIME (HH:MM)	PUMPING TURNING (MIN)	TO DUMP DUMPING TO CUT (MIN)	TOTAL TIME DREDGED AMOUNT AGITATED AMOUNT (MIN/CYS)	
1	Sta 640+00 to 700+00 Mobile 102-SW	00:00 00:31	31 0	196 4 23	254 2,635 0	
2	Sta 640+00 to 700+00 Mobile 102-SW	04:14 04:42	28 0	171 4 167	370 2,635 0	
3	Sta 640+00 to 700+00 Mobile 102-SW	10:24 10:53	29 0	171 4 170	374 2,635 0	
4	Sta 640+00 to 700+00 Mobile 102-SW	16:38 17:05	27 0	170 4 178	379 2,635 0	
5	Sta 640+00 to 700+00 Mobile 102-SW	22:57 22:58	1 0	0 0 62	63 0 0	
QC NARRATIVE(S) GENERAL COMMENTS 1440 Minutes @ 100%						

QUALITY CONTROL REPORT-HOPPER DREDGE										PAGE NO. Page 323 of 494	
CONTRACT NO. W91278-16-D-0041 0001		CONTRACT TITLE IDIQ Rental Hopper Dredge in Mobile					CONTRACTOR Dutra Dredging Company			REPORT NO. 159	
CHARACTER OF REPORT		<input checked="" type="checkbox"/> MAINTENANCE <input type="checkbox"/> NEW WORK							DATE 09 Jul 2016 - Saturday		
DREDGE (M/V Columbia)		HOPPER CAP: 4,387 CY		AVG VOL OF BIN WATER: 4,387 CY		AVG UNFILLED CAP: 4,387 CY					
		NO. OF CREW MEMBERS	DREDGE 13	OTHER PLANT 5	WORK SCHEDULE	SHIFTS PER DAY 2	DAYS PER WEEK 7				
LOCATION OF WORK		LOCATION CHANNEL Mobile Harbor	REACH DREDGED; STA TO STA Sta 640+00 to 700+00		DISPOSAL AREA USE Mobile 102 -SW		QTY DEPOSITED GROSS(CY) 7,905	CUMULATIVE AND QTY DEPOSIT FOR DA(CY) 1,494,045			
		AVG LENGTH OF CUT 6,000 FT		AVG WIDTH OF CUT 400 FT		AVG DIST TO DUMP 28 NM					
CHARACTER OF MATERIAL		DENSITY OF MATERIALS						GMS/LITER 1.045			
		DENSITY OF WATER			1.006			GMS/LITER@ 86 °F			
RIVER/TIDE STAGE		MIN 0	TIME 00:00	MAX 0	TIME 00:00	GAGE LOCATION Dog River					
		MIN 1	TIME 00:00	MAX 0	TIME 00:00	GAGE DATUM MLLW					
WEATHER CONDITION		WEATHER Weather Caused No Delay		TEMP (min / max) 80 °F / 94 °F		VISIBILITY 10		WIND 6			
DRAFT					DISTRIBUTION OF TIME AND MILES RUN						
FORWARD	LIGHT		LOADED				AGITATING (MIN)	DREDGE & HAUL (MIN)	MILES RUN (NAUT MI)		
	8		15								
AFT					EFFECTIVE WORKING TIME:						
	10		16		PUMPING:		00:00	01:57	0.0		
DRAG DEPTH MAX 49 MIN 44					TURNING:		00:00	00:00	0.0		
					TO DUMP:		00:00	12:03	0.0		
INDICATORS LAST CHECKED ON 04/17/2016					CONNECTING:		00:00	00:00	0.0		
					DUMPING:		00:00	00:20	0.0		
AVERAGE SPEED OF DREDGE DURING LOADING					DISCONNECTING:		00:00	00:00	0.0		
AVERAGE SPEED OF DREDGE DURING AGITATING					TO CUT:		00:00	09:40	0.0		
GALLONS OF FUEL OIL CONSUMED					TOTALS:		00:00	24:00	0.0		
GALLONS OF WATER CONSUMED					NON-EFFECTIVE WORKING TIME:						
					TAKING ON FUEL AND SUPPLIES:		00:00	00:00	0.0		
					TO AND FROM WHARF OR ANCHORAGE:		00:00	00:00	0.0		
					LOSS DUE TO NATURAL ELEMENTS:		00:00	00:00	0.0		
					LOSS DUE TO TRAFFIC AND BRIDGES		00:00	00:00	0.0		
					MINOR OPERATING REPAIRS:		00:00	00:00	0.0		
					TRANSFERRING BETWEEN WORKS:		00:00	00:00	0.0		
					LAY TIME:		00:00	00:00	0.0		
					FIRE AND BOAT DRILLS:		00:00	00:00	0.0		
					MISCELLANEOUS:		00:00	00:00	0.0		
					TOTALS:		00:00	00:00	0.0		
					LOST TIME:						
					MAJOR REPAIRS AND ALTERATIONS:		00:00	00:00	0.0		
					CESSATION:		00:00	00:00	0.0		
					COLLISIONS:		00:00	00:00	0.0		
					TOTALS:		00:00	00:00	0.0		
					TOTAL TIME/MILES:		00:00	24:00	0.0		
WORK PERFORMED											
DREDGING AND HAULING				AGITATING							
NO. OF LOADS	TOTAL CYS	DISPOSAL AREA		TOTAL CYS							
4	7,905	Mobile 102-SW		0							
ATTENDANT PLANT											
ITEM	NAME OR NUMBER		H.P.	HOURS							
40' Crewboat	Cape Anne		400	12:00							

QUALITY CONTROL REPORT-HOPPER DREDGE			PAGE NO. Page 324 of 494
CONTRACT NO. W91278-16-D-0041 0001	CONTRACT TITLE IDIQ Rental Hopper Dredge in Mobile	CONTRACTOR Dutra Dredging Company	REPORT NO. 159
DREDGE	NAME AND TYPE M/V Columbia	DATE 09 Jul 2016 - Saturday	

LOADS					
LOAD NUMBER	DREDGING AREA DISPOSAL AREA	START TIME STOP TIME (HH:MM)	PUMPING TURNING (MIN)	TO DUMP DUMPING TO CUT (MIN)	TOTAL TIME DREDGED AMOUNT AGITATED AMOUNT (MIN/CYS)
1	Sta 640+00 to 700+00 Mobile 102-SW	00:00 00:30	30 0	186 4 98	318 2,635 0
2	Sta 640+00 to 700+00 Mobile 102-SW	05:18 05:47	29 0	170 4 165	368 2,635 0
3	Sta 640+00 to 700+00 Mobile 102-SW	11:26 11:55	29 0	188 4 155	376 2,635 0
4	Sta 640+00 to 700+00 Mobile 102-SW	17:42 18:11	29 0	179 8 162	378 0 0

QC NARRATIVE(S)

GENERAL COMMENTS

1440 Minutes @ 100%

QUALITY CONTROL REPORT-HOPPER DREDGE										PAGE NO. Page 325 of 494	
CONTRACT NO. W91278-16-D-0041 0001		CONTRACT TITLE IDIQ Rental Hopper Dredge in Mobile					CONTRACTOR Dutra Dredging Company			REPORT NO. 160	
CHARACTER OF REPORT		<input checked="" type="checkbox"/> MAINTENANCE <input type="checkbox"/> NEW WORK							DATE 10 Jul 2016 - Sunday		
DREDGE (M/V Columbia)		HOPPER CAP: 4,387 CY		AVG VOL OF BIN WATER: 4,387 CY			AVG UNFILLED CAP: 4,387 CY				
		NO. OF CREW MEMBERS	DREDGE 13	OTHER PLANT 5	WORK SCHEDULE	SHIFTS PER DAY 2	DAYS PER WEEK 7				
LOCATION OF WORK		LOCATION CHANNEL Mobile Harbor	REACH DREDGED; STA TO STA Sta 640+00 to 700+00		DISPOSAL AREA USE Mobile 102 -SW		QTY DEPOSITED GROSS(CY) 7,905	CUMULATIVE AND QTY DEPOSIT FOR DA(CY) 1,501,950			
		AVG LENGTH OF CUT 6,000 FT		AVG WIDTH OF CUT 400 FT		AVG DIST TO DUMP 28 NM					
CHARACTER OF MATERIAL		DENSITY OF MATERIALS						GMS/LITER 1.045			
		DENSITY OF WATER			1.006			GMS/LITER@ 86 °F			
RIVER/TIDE STAGE		MIN 0	TIME 00:00	MAX 0	TIME 00:00	GAGE LOCATION Dog River					
		MIN 1	TIME 00:00	MAX 0	TIME 00:00	GAGE DATUM MLLW					
WEATHER CONDITION		WEATHER Weather Caused No Delay		TEMP (min / max) 75 °F / 91 °F		VISIBILITY 10		WIND 5			
DRAFT					DISTRIBUTION OF TIME AND MILES RUN						
FORWARD	LIGHT		LOADED			AGITATING (MIN)	DREDGE & HAUL (MIN)	MILES RUN (NAUT MI)			
	8		15		EFFECTIVE WORKING TIME:						
AFT	10		16		PUMPING:	00:00	01:59	0.0			
					TURNING:	00:00	00:09	0.0			
DRAG DEPTH MAX 49 MIN 44				TO DUMP:		00:00	10:10	0.0			
				CONNECTING:		00:00	00:00	0.0			
INDICATORS LAST CHECKED ON 04/17/2016				DUMPING:		00:00	00:51	0.0			
				DISCONNECTING:		00:00	00:00	0.0			
AVERAGE SPEED OF DREDGE DURING LOADING			FT/MIN		2	TO CUT:	00:00	10:51	0.0		
AVERAGE SPEED OF DREDGE DURING AGITATING			FT/MIN		0	TOTALS:	00:00	24:00	0.0		
GALLONS OF FUEL OIL CONSUMED			GAL		1,978	NON-EFFECTIVE WORKING TIME:					
GALLONS OF WATER CONSUMED			GAL		635	TAKING ON FUEL AND SUPPLIES:	00:00	00:00	0.0		
WORK PERFORMED					TO AND FROM WHARF OR ANCHORAGE:		00:00	00:00	0.0		
					LOSS DUE TO NATURAL ELEMENTS:		00:00	00:00	0.0		
DREDGING AND HAULING			AGITATING		LOSS DUE TO TRAFFIC AND BRIDGES		00:00	00:00	0.0		
NO. OF LOADS	TOTAL CYS	DISPOSAL AREA	TOTAL CYS		MINOR OPERATING REPAIRS:		00:00	00:00	0.0		
5	7,905	Mobile 102 - SW	0		TRANSFERRING BETWEEN WORKS:		00:00	00:00	0.0		
					LAY TIME:		00:00	00:00	0.0		
					FIRE AND BOAT DRILLS:		00:00	00:00	0.0		
ATTENDANT PLANT					MISCELLANEOUS:		00:00	00:00	0.0		
					TOTALS:		00:00	00:00	0.0		
ITEM	NAME OR NUMBER		H.P.	HOURS	LOST TIME:						
40' Crewboat	Cape Anne		400	12:00	MAJOR REPAIRS AND ALTERATIONS:		00:00	00:00	0.0		
					CESSATION:		00:00	00:00	0.0		
					COLLISIONS:		00:00	00:00	0.0		
					TOTALS:		00:00	00:00	0.0		
					TOTAL TIME/MILES:		00:00	24:00	0.0		

QUALITY CONTROL REPORT-HOPPER DREDGE			PAGE NO. Page 326 of 494
CONTRACT NO. W91278-16-D-0041 0001	CONTRACT TITLE IDIQ Rental Hopper Dredge in Mobile	CONTRACTOR Dutra Dredging Company	REPORT NO. 160
DREDGE	NAME AND TYPE M/V Columbia	DATE 10 Jul 2016 - Sunday	

LOADS					
LOAD NUMBER	DREDGING AREA DISPOSAL AREA	START TIME STOP TIME (HH:MM)	PUMPING TURNING (MIN)	TO DUMP DUMPING TO CUT (MIN)	TOTAL TIME DREDGED AMOUNT AGITATED AMOUNT (MIN/CYS)
1	Sta 640+00 to 700+00 Mobile 102 - SW	00:00 00:01	1 0	0 39 0	40 0 0
2	Sta 640+00 to 700+00 Mobile 102 - SW	00:40 01:21	32 9	177 4 160	382 2,635 0
3	Sta 640+00 to 700+00 Mobile 102 - SW	07:02 07:29	27 0	225 4 154	410 2,635 0
4	Sta 640+00 to 700+00 Mobile 102 - SW	13:52 14:22	30 0	180 4 160	374 2,635 0
5	Sta 640+00 to 700+00 Mobile 102 - SW	20:06 20:35	29 0	28 0 177	234 0 0

QC NARRATIVE(S)

GENERAL COMMENTS

1440 Minutes @ 100%

Yardage for the first load that was dumping was recorded on yesterday report.

QUALITY CONTROL REPORT-HOPPER DREDGE										PAGE NO. Page 327 of 494	
CONTRACT NO. W91278-16-D-0041 0001		CONTRACT TITLE IDIQ Rental Hopper Dredge in Mobile					CONTRACTOR Dutra Dredging Company			REPORT NO. 161	
CHARACTER OF REPORT		<input checked="" type="checkbox"/> MAINTENANCE <input type="checkbox"/> NEW WORK							DATE 11 Jul 2016 - Monday		
DREDGE (M/V Columbia)		HOPPER CAP: 4,387 CY		AVG VOL OF BIN WATER: 4,387 CY		AVG UNFILLED CAP: 4,387 CY					
		NO. OF CREW MEMBERS	DREDGE 13	OTHER PLANT 5	WORK SCHEDULE	SHIFTS PER DAY 2	DAYS PER WEEK 7				
LOCATION OF WORK		LOCATION CHANNEL Mobile Harbor	REACH DREDGED; STA TO STA Sta 640+00 to 700+00		DISPOSAL AREA USE Mobile 102 -SW		QTY DEPOSITED GROSS(CY) 10,540	CUMULATIVE AND QTY DEPOSIT FOR DA(CY) 1,512,490			
		AVG LENGTH OF CUT 6,000 FT		AVG WIDTH OF CUT 400 FT		AVG DIST TO DUMP 28 NM					
CHARACTER OF MATERIAL		DENSITY OF MATERIALS					GMS/LITER 1.045				
		DENSITY OF WATER			1.006		GMS/LITER@ 86 °F				
RIVER/TIDE STAGE		MIN 1	TIME 00:00	MAX 0	TIME 00:00	GAGE LOCATION Dog River					
		MIN 1	TIME 00:00	MAX 0	TIME 00:00	GAGE DATUM MLLW					
WEATHER CONDITION		WEATHER		TEMP (min / max)		VISIBILITY		WIND			
		Weather Caused No Delay		76 °F / 88 °F		10		10			
DRAFT					DISTRIBUTION OF TIME AND MILES RUN						
FORWARD		LIGHT		LOADED				AGITATING (MIN)	DREDGE & HAUL (MIN)	MILES RUN (NAUT MI)	
		8		15				EFFECTIVE WORKING TIME:			
AFT											
		10		16							
DRAG DEPTH MAX 49 MIN 44					PUMPING:		00:00	01:29	0.0		
INDICATORS LAST CHECKED ON 04/17/2016					TURNING:		00:00	00:00	0.0		
					TO DUMP:		00:00	11:30	0.0		
AVERAGE SPEED OF DREDGE DURING LOADING					CONNECTING:		00:00	00:00	0.0		
					DUMPING:		00:00	00:16	0.0		
AVERAGE SPEED OF DREDGE DURING AGITATING					DISCONNECTING:		00:00	00:00	0.0		
					TO CUT:		00:00	10:45	0.0		
GALLONS OF FUEL OIL CONSUMED					TOTALS:		00:00	24:00	0.0		
					NON-EFFECTIVE WORKING TIME:						
GALLONS OF WATER CONSUMED					TAKING ON FUEL AND SUPPLIES:		00:00	00:00	0.0		
					TO AND FROM WHARF OR ANCHORAGE:		00:00	00:00	0.0		
WORK PERFORMED					LOSS DUE TO NATURAL ELEMENTS:		00:00	00:00	0.0		
DREDGING AND HAULING				AGITATING		LOSS DUE TO TRAFFIC AND BRIDGES		00:00	00:00	0.0	
NO. OF LOADS	TOTAL CYS	DISPOSAL AREA		TOTAL CYS		MINOR OPERATING REPAIRS:		00:00	00:00	0.0	
5	10,540	Mobile 102-SW		0		TRANSFERRING BETWEEN WORKS:		00:00	00:00	0.0	
						LAY TIME:		00:00	00:00	0.0	
						FIRE AND BOAT DRILLS:		00:00	00:00	0.0	
ATTENDANT PLANT					MISCELLANEOUS:		00:00	00:00	0.0		
ITEM	NAME OR NUMBER		H.P.	HOURS	TOTALS:		00:00	00:00	0.0		
40' Crewboat	Cape Anne		400	12:00	LOST TIME:						
					MAJOR REPAIRS AND ALTERATIONS:		00:00	00:00	0.0		
					CESSATION:		00:00	00:00	0.0		
					COLLISIONS:		00:00	00:00	0.0		
					TOTALS:		00:00	00:00	0.0		
					TOTAL TIME/MILES:		00:00	24:00	0.0		

QUALITY CONTROL REPORT-HOPPER DREDGE					PAGE NO. Page 328 of 494	
CONTRACT NO. W91278-16-D-0041 0001		CONTRACT TITLE IDIQ Rental Hopper Dredge in Mobile		CONTRACTOR Dutra Dredging Company		REPORT NO. 161
DREDGE		NAME AND TYPE M/V Columbia			DATE 11 Jul 2016 - Monday	
LOADS						
LOAD NUMBER	DREDGING AREA DISPOSAL AREA	START TIME STOP TIME (HH:MM)	PUMPING TURNING (MIN)	TO DUMP DUMPING TO CUT (MIN)	TOTAL TIME DREDGED AMOUNT AGITATED AMOUNT (MIN/CYS)	
1	Sta 640+00 to 700+00 Mobile 102-SW	00:00 00:01	1 0	160 4 0	165 2,635 0	
2	Sta 640+00 to 700+00 Mobile 102-SW	02:45 03:13	28 0	172 4 180	384 2,635 0	
3	Sta 640+00 to 700+00 Mobile 102-SW	09:09 09:40	31 0	177 4 157	369 2,635 0	
4	Sta 640+00 to 700+00 Mobile 102-SW	15:18 15:46	28 0	181 4 160	373 2,635 0	
5	Sta 640+00 to 700+00 Mobile 102-SW	21:31 21:32	1 0	0 0 148	149 0 0	
QC NARRATIVE(S) GENERAL COMMENTS 1440 Minutes @ 100%						

QUALITY CONTROL REPORT-HOPPER DREDGE										PAGE NO. Page 329 of 494								
CONTRACT NO. W91278-16-D-0041 0001		CONTRACT TITLE IDIQ Rental Hopper Dredge in Mobile					CONTRACTOR Dutra Dredging Company			REPORT NO. 162								
CHARACTER OF REPORT		<input checked="" type="checkbox"/> MAINTENANCE <input type="checkbox"/> NEW WORK							DATE 12 Jul 2016 - Tuesday									
DREDGE (M/V Columbia)		HOPPER CAP: 4,387 CY		AVG VOL OF BIN WATER: 4,387 CY			AVG UNFILLED CAP: 4,387 CY											
		NO. OF CREW MEMBERS	DREDGE 13	OTHER PLANT 5	WORK SCHEDULE	SHIFTS PER DAY 2		DAYS PER WEEK 7										
LOCATION OF WORK		LOCATION CHANNEL Mobile Harbor		REACH DREDGED; STA TO STA Sta 640+00 to 700+00		DISPOSAL AREA USE Mobile 102 -SW		QTY DEPOSITED GROSS(CY) 10,540		CUMULATIVE AND QTY DEPOSIT FOR DA(CY) 1,523,030								
		AVG LENGTH OF CUT 6,000 FT			AVG WIDTH OF CUT 400 FT			AVG DIST TO DUMP 28 NM										
CHARACTER OF MATERIAL		DENSITY OF MATERIALS						GMS/LITER 1.045										
		DENSITY OF WATER			1.006			GMS/LITER@ 86 °F										
RIVER/TIDE STAGE		MIN 1	TIME 00:00	MAX 0	TIME 00:00	GAGE LOCATION Dog River												
		MIN 1	TIME 00:00	MAX 0	TIME 00:00	GAGE DATUM MLLW												
WEATHER CONDITION		WEATHER			TEMP (min / max)		VISIBILITY		WIND									
		Weather Caused No Delay			76 °F / 89 °F		10		22									
DRAFT					DISTRIBUTION OF TIME AND MILES RUN													
FORWARD		LIGHT		LOADED				AGITATING (MIN)		DREDGE & HAUL (MIN)		MILES RUN (NAUT MI)						
		8		15		EFFECTIVE WORKING TIME:												
AFT		10		16		PUMPING:		00:00		01:59		0.0						
						TURNING:		00:00		00:00		0.0						
DRAG DEPTH MAX 49 MIN 44					TO DUMP:		00:00		12:21		0.0							
					CONNECTING:		00:00		00:00		0.0							
INDICATORS LAST CHECKED ON 04/17/2016					DUMPING:		00:00		00:16		0.0							
					DISCONNECTING:		00:00		00:00		0.0							
AVERAGE SPEED OF DREDGE DURING LOADING							FT/MIN		2		TO CUT:		00:00		09:24		0.0	
AVERAGE SPEED OF DREDGE DURING AGITATING							FT/MIN		0		TOTALS:		00:00		24:00		0.0	
GALLONS OF FUEL OIL CONSUMED							GAL		2,560		NON-EFFECTIVE WORKING TIME:							
GALLONS OF WATER CONSUMED							GAL		580		TAKING ON FUEL AND SUPPLIES:		00:00		00:00		0.0	
WORK PERFORMED											TO AND FROM WHARF OR ANCHORAGE:		00:00		00:00		0.0	
													LOSS DUE TO NATURAL ELEMENTS:		00:00		00:00	
DREDGING AND HAULING				AGITATING						LOSS DUE TO TRAFFIC AND BRIDGES		00:00		00:00		0.0		
NO. OF LOADS		TOTAL CYS		DISPOSAL AREA		TOTAL CYS				MINOR OPERATING REPAIRS:		00:00		00:00		0.0		
5		10,540		Mobile 102-SW		0				TRANSFERRING BETWEEN WORKS:		00:00		00:00		0.0		
										LAY TIME:		00:00		00:00		0.0		
										FIRE AND BOAT DRILLS:		00:00		00:00		0.0		
ATTENDANT PLANT											MISCELLANEOUS:		00:00		00:00		0.0	
													TOTALS:		00:00		00:00	
ITEM		NAME OR NUMBER			H.P.		HOURS		LOST TIME:									
40' Crewboat		Cape Anne			400		12:00				MAJOR REPAIRS AND ALTERATIONS:		00:00		00:00		0.0	
											CESSATION:		00:00		00:00		0.0	
											COLLISIONS:		00:00		00:00		0.0	
											TOTALS:		00:00		00:00		0.0	
											TOTAL TIME/MILES:		00:00		24:00		0.0	

QUALITY CONTROL REPORT-HOPPER DREDGE					PAGE NO. Page 330 of 494	
CONTRACT NO. W91278-16-D-0041 0001		CONTRACT TITLE IDIQ Rental Hopper Dredge in Mobile		CONTRACTOR Dutra Dredging Company		REPORT NO. 162
DREDGE		NAME AND TYPE M/V Columbia			DATE 12 Jul 2016 - Tuesday	
LOADS						
LOAD NUMBER	DREDGING AREA DISPOSAL AREA	START TIME STOP TIME (HH:MM)	PUMPING TURNING (MIN)	TO DUMP DUMPING TO CUT (MIN)	TOTAL TIME DREDGED AMOUNT AGITATED AMOUNT (MIN/CYS)	
1	Sta 640+00 to 700+00 Mobile 102-SW	00:00 00:30	30 0	189 4 8	231 2,635 0	
2	Sta 640+00 to 700+00 Mobile 102-SW	03:51 04:21	30 0	195 4 151	380 2,635 0	
3	Sta 640+00 to 700+00 Mobile 102-SW	10:11 10:41	30 0	174 4 163	371 2,635 0	
4	Sta 640+00 to 700+00 Mobile 102-SW	16:22 16:50	28 0	183 4 168	383 2,635 0	
5	Sta 640+00 to 700+00 Mobile 102-SW	22:45 22:46	1 0	0 0 74	75 0 0	
QC NARRATIVE(S)						
GENERAL COMMENTS						
1440 Minutes @ 100%						

QUALITY CONTROL REPORT-HOPPER DREDGE										PAGE NO. Page 331 of 494						
CONTRACT NO. W91278-16-D-0041 0001		CONTRACT TITLE IDIQ Rental Hopper Dredge in Mobile					CONTRACTOR Dutra Dredging Company			REPORT NO. 163						
CHARACTER OF REPORT		<input checked="" type="checkbox"/> MAINTENANCE <input type="checkbox"/> NEW WORK							DATE 13 Jul 2016 - Wednesday							
DREDGE (M/V Columbia)		HOPPER CAP: 4,387 CY		AVG VOL OF BIN WATER: 4,387 CY		AVG UNFILLED CAP: 4,387 CY										
		NO. OF CREW MEMBERS	DREDGE 13	OTHER PLANT 5	WORK SCHEDULE	SHIFTS PER DAY 2	DAYS PER WEEK 7									
LOCATION OF WORK		LOCATION CHANNEL Mobile Harbor		REACH DREDGED; STA TO STA Sta 640+00 to 700+00 & 880+00 to 940+00		DISPOSAL AREA USE Mobile 102 -SW		QTY DEPOSITED GROSS(CY) 2,635		CUMULATIVE AND QTY DEPOSIT FOR DA(CY) 1,525,665						
		AVG LENGTH OF CUT 6,000 FT		AVG WIDTH OF CUT 400 FT		AVG DIST TO DUMP 28 NM										
CHARACTER OF MATERIAL		DENSITY OF MATERIALS						GMS/LITER 1.045								
		DENSITY OF WATER			1.006			GMS/LITER@ 86 °F								
RIVER/TIDE STAGE		MIN 1	TIME 00:00	MAX 0	TIME 00:00	GAGE LOCATION Dog River										
		MIN 1	TIME 00:00	MAX 0	TIME 00:00	GAGE DATUM MLLW										
WEATHER CONDITION		WEATHER			TEMP (min / max)		VISIBILITY		WIND							
		Weather Caused No Delay			77 °F / 88 °F		10		10							
DRAFT					DISTRIBUTION OF TIME AND MILES RUN											
FORWARD		LIGHT		LOADED				AGITATING (MIN)		DREDGE & HAUL (MIN)		MILES RUN (NAUT MI)				
		8		15		EFFECTIVE WORKING TIME:										
AFT		10		16		PUMPING:		00:00		00:58		0.0				
						TURNING:		00:00		00:00		0.0				
DRAG DEPTH MAX 49 MIN 44					TO DUMP:		00:00		06:00		0.0					
					CONNECTING:		00:00		00:00		0.0					
INDICATORS LAST CHECKED ON 04/17/2016					DUMPING:		00:00		00:47		0.0					
					DISCONNECTING:		00:00		00:00		0.0					
AVERAGE SPEED OF DREDGE DURING LOADING					FT/MIN		2		TO CUT:		00:00		04:15		0.0	
AVERAGE SPEED OF DREDGE DURING AGITATING					FT/MIN		0		TOTALS:		00:00		12:00		0.0	
GALLONS OF FUEL OIL CONSUMED					GAL		1,540		NON-EFFECTIVE WORKING TIME:							
GALLONS OF WATER CONSUMED					GAL		600		TAKING ON FUEL AND SUPPLIES:		00:00		04:48		0.0	
WORK PERFORMED					TO AND FROM WHARF OR ANCHORAGE:		00:00		01:51		0.0					
					LOSS DUE TO NATURAL ELEMENTS:		00:00		00:00		0.0					
DREDGING AND HAULING			AGITATING		LOSS DUE TO TRAFFIC AND BRIDGES		00:00		00:00		0.0					
NO. OF LOADS	TOTAL CYS	DISPOSAL AREA		TOTAL CYS		MINOR OPERATING REPAIRS:		00:00		05:21		0.0				
2	2,635	Mobile 102-SW		0		TRANSFERRING BETWEEN WORKS:		00:00		00:00		0.0				
						LAY TIME:		00:00		00:00		0.0				
						FIRE AND BOAT DRILLS:		00:00		00:00		0.0				
ATTENDANT PLANT					MISCELLANEOUS:		00:00		00:00		0.0					
					TOTALS:		00:00		12:00		0.0					
ITEM		NAME OR NUMBER		H.P.	HOURS	LOST TIME:										
40' Crewboat		Cape Anne		400	12:00	MAJOR REPAIRS AND ALTERATIONS:		00:00		00:00		0.0				
						CESSATION:		00:00		00:00		0.0				
						COLLISIONS:		00:00		00:00		0.0				
						TOTALS:		00:00		00:00		0.0				
						TOTAL TIME/MILES:		00:00		24:00		0.0				

QUALITY CONTROL REPORT-HOPPER DREDGE					PAGE NO. Page 332 of 494	
CONTRACT NO. W91278-16-D-0041 0001		CONTRACT TITLE IDIQ Rental Hopper Dredge in Mobile		CONTRACTOR Dutra Dredging Company		REPORT NO. 163
DREDGE		NAME AND TYPE M/V Columbia			DATE 13 Jul 2016 - Wednesday	
LOADS						
LOAD NUMBER	DREDGING AREA DISPOSAL AREA	START TIME STOP TIME (HH:MM)	PUMPING TURNING (MIN)	TO DUMP DUMPING TO CUT (MIN)	TOTAL TIME DREDGED AMOUNT AGITATED AMOUNT (MIN/CYS)	
1	Sta 640+00 to 700+00 Mobile 102-SW	00:00	30	200	365	
		00:30	0	47	2,635	
				88	0	
2	Sta 880+00 to 940+00 Mobile 102-SW	06:05	28	160	355	
		06:33	0	0	0	
				167	0	
QC NARRATIVE(S)						
GENERAL COMMENTS						
720 Minutes @ 100%						
720 Minutes @ 0% Fuel, and Supplies, Minor Repairs, To and From Dock						

QUALITY CONTROL REPORT-HOPPER DREDGE										PAGE NO. Page 333 of 494	
CONTRACT NO. W91278-16-D-0041 0001		CONTRACT TITLE IDIQ Rental Hopper Dredge in Mobile					CONTRACTOR Dutra Dredging Company			REPORT NO. 164	
CHARACTER OF REPORT		<input checked="" type="checkbox"/> MAINTENANCE <input type="checkbox"/> NEW WORK							DATE 14 Jul 2016 - Thursday		
DREDGE (M/V Columbia)		HOPPER CAP: 4,387 CY		AVG VOL OF BIN WATER: 4,387 CY		AVG UNFILLED CAP: 4,387 CY					
		NO. OF CREW MEMBERS	DREDGE 13	OTHER PLANT 5	WORK SCHEDULE	SHIFTS PER DAY 2	DAYS PER WEEK 7				
LOCATION OF WORK		LOCATION CHANNEL Mobile Harbor	REACH DREDGED; STA TO STA Sta 880+00 to 940+00		DISPOSAL AREA USE Mobile 102 -SW		QTY DEPOSITED GROSS(CY) 2,635	CUMULATIVE AND QTY DEPOSIT FOR DA(CY) 1,528,300			
		AVG LENGTH OF CUT 6,000 FT		AVG WIDTH OF CUT 400 FT		AVG DIST TO DUMP 26 NM					
CHARACTER OF MATERIAL		DENSITY OF MATERIALS						GMS/LITER 1.045			
		DENSITY OF WATER			1.006			GMS/LITER@ 86 °F			
RIVER/TIDE STAGE		MIN 0	TIME 00:00	MAX 0	TIME 00:00	GAGE LOCATION Dog River					
		MIN 0	TIME 00:00	MAX 0	TIME 00:00	GAGE DATUM MLLW					
WEATHER CONDITION		WEATHER Weather Caused No Delay		TEMP (min / max) 74 °F / 91 °F		VISIBILITY 10		WIND 7			
DRAFT					DISTRIBUTION OF TIME AND MILES RUN						
FORWARD		LIGHT		LOADED				AGITATING (MIN)	DREDGE & HAUL (MIN)	MILES RUN (NAUT MI)	
		8		15		EFFECTIVE WORKING TIME:					
AFT						PUMPING:					
		10		16		00:00		00:02	0.0		
DRAG DEPTH MAX 49 MIN 44					TURNING:		00:00		00:00	0.0	
INDICATORS LAST CHECKED ON 04/17/2016					TO DUMP:		00:00		00:00	0.0	
					CONNECTING:		00:00		00:00	0.0	
AVERAGE SPEED OF DREDGE DURING LOADING				FT/MIN	DUMPING:		00:00		00:08	0.0	
				2	DISCONNECTING:		00:00		00:00	0.0	
AVERAGE SPEED OF DREDGE DURING AGITATING				FT/MIN	TO CUT:		00:00		01:29	0.0	
				0	TOTALS:		00:00		01:39	0.0	
GALLONS OF FUEL OIL CONSUMED				GAL	NON-EFFECTIVE WORKING TIME:						
				1,817	TAKING ON FUEL AND SUPPLIES:		00:00		00:00	0.0	
GALLONS OF WATER CONSUMED				GAL	TO AND FROM WHARF OR ANCHORAGE:		00:00		00:00	0.0	
				784	LOSS DUE TO NATURAL ELEMENTS:		00:00		00:00	0.0	
WORK PERFORMED					LOSS DUE TO TRAFFIC AND BRIDGES		00:00		00:00	0.0	
DREDGING AND HAULING			AGITATING		MINOR OPERATING REPAIRS:		00:00		22:21	0.0	
NO. OF LOADS	TOTAL CYS	DISPOSAL AREA	TOTAL CYS		TRANSFERRING BETWEEN WORKS:		00:00		00:00	0.0	
2	2,635	Mobile 102-SW	0		LAY TIME:		00:00		00:00	0.0	
					FIRE AND BOAT DRILLS:		00:00		00:00	0.0	
					MISCELLANEOUS:		00:00		00:00	0.0	
ATTENDANT PLANT					TOTALS:		00:00		22:21	0.0	
ITEM	NAME OR NUMBER		H.P.	HOURS	LOST TIME:						
40' Crewboat	Cape Anne		400	12:00	MAJOR REPAIRS AND ALTERATIONS:		00:00		00:00	0.0	
					CESSATION:		00:00		00:00	0.0	
					COLLISIONS:		00:00		00:00	0.0	
					TOTALS:		00:00		00:00	0.0	
					TOTAL TIME/MILES:		00:00		24:00	0.0	

QUALITY CONTROL REPORT-HOPPER DREDGE			PAGE NO. Page 334 of 494
CONTRACT NO. W91278-16-D-0041 0001	CONTRACT TITLE IDIQ Rental Hopper Dredge in Mobile	CONTRACTOR Dutra Dredging Company	REPORT NO. 164
DREDGE	NAME AND TYPE M/V Columbia	DATE 14 Jul 2016 - Thursday	

LOADS					
LOAD NUMBER	DREDGING AREA DISPOSAL AREA	START TIME STOP TIME (HH:MM)	PUMPING TURNING (MIN)	TO DUMP DUMPING TO CUT (MIN)	TOTAL TIME DREDGED AMOUNT AGITATED AMOUNT (MIN/CYS)
1	Sta 880+00 to 940+00 Mobile 102-SW	22:21	1	0	9
		22:22	0	8	2,635
				0	0
2	Sta 880+00 to 940+00 Mobile 102-SW	22:30	1	0	90
		22:31	0	0	0
				89	0

QC NARRATIVE(S)

GENERAL COMMENTS

99 Minutes @ 100%
1341 Minutes @ 0% Minor Repairs

QUALITY CONTROL REPORT-HOPPER DREDGE										PAGE NO. Page 335 of 494	
CONTRACT NO. W91278-16-D-0041 0001		CONTRACT TITLE IDIQ Rental Hopper Dredge in Mobile					CONTRACTOR Dutra Dredging Company			REPORT NO. 165	
CHARACTER OF REPORT		<input checked="" type="checkbox"/> MAINTENANCE <input type="checkbox"/> NEW WORK							DATE 15 Jul 2016 - Friday		
DREDGE (M/V Columbia)		HOPPER CAP: 4,387 CY		AVG VOL OF BIN WATER: 4,387 CY		AVG UNFILLED CAP: 4,387 CY					
		NO. OF CREW MEMBERS	DREDGE 13	OTHER PLANT 5	WORK SCHEDULE	SHIFTS PER DAY 2	DAYS PER WEEK 7				
LOCATION OF WORK		LOCATION CHANNEL Mobile Harbor	REACH DREDGED; STA TO STA Sta 880+00 to 940+00		DISPOSAL AREA USE Mobile 102 -SW		QTY DEPOSITED GROSS(CY) 10,540	CUMULATIVE AND QTY DEPOSIT FOR DA(CY) 1,538,840			
		AVG LENGTH OF CUT 6,000 FT		AVG WIDTH OF CUT 400 FT		AVG DIST TO DUMP 26 NM					
CHARACTER OF MATERIAL		DENSITY OF MATERIALS						GMS/LITER 1.045			
		DENSITY OF WATER			1.006			GMS/LITER@ 86 °F			
RIVER/TIDE STAGE		MIN 1	TIME 00:00	MAX 0	TIME 00:00	GAGE LOCATION Dog River					
		MIN 1	TIME 00:00	MAX 0	TIME 00:00	GAGE DATUM MLLW					
WEATHER CONDITION		WEATHER		TEMP (min / max)		VISIBILITY		WIND			
		Weather Caused No Delay		72 °F / 89 °F		10		20			
DRAFT					DISTRIBUTION OF TIME AND MILES RUN						
FORWARD		LIGHT		LOADED				AGITATING (MIN)	DREDGE & HAUL (MIN)	MILES RUN (NAUT MI)	
		8		15				EFFECTIVE WORKING TIME:			
AFT											
		10		16							
DRAG DEPTH MAX 49 MIN 44					PUMPING:		00:00	01:59	0.0		
INDICATORS LAST CHECKED ON 04/17/2016					TURNING:		00:00	00:07	0.0		
					TO DUMP:		00:00	10:32	0.0		
AVERAGE SPEED OF DREDGE DURING LOADING					CONNECTING:		00:00	00:00	0.0		
					DUMPING:		00:00	00:28	0.0		
AVERAGE SPEED OF DREDGE DURING AGITATING					DISCONNECTING:		00:00	00:00	0.0		
					TO CUT:		00:00	10:54	0.0		
GALLONS OF FUEL OIL CONSUMED					TOTALS:		00:00	24:00	0.0		
					NON-EFFECTIVE WORKING TIME:						
GALLONS OF WATER CONSUMED					TAKING ON FUEL AND SUPPLIES:		00:00	00:00	0.0		
					TO AND FROM WHARF OR ANCHORAGE:		00:00	00:00	0.0		
WORK PERFORMED					LOSS DUE TO NATURAL ELEMENTS:		00:00	00:00	0.0		
DREDGING AND HAULING				AGITATING		LOSS DUE TO TRAFFIC AND BRIDGES		00:00	00:00	0.0	
NO. OF LOADS	TOTAL CYS	DISPOSAL AREA		TOTAL CYS		MINOR OPERATING REPAIRS:		00:00	00:00	0.0	
5	10,540	Mobile 102-SW		0		TRANSFERRING BETWEEN WORKS:		00:00	00:00	0.0	
						LAY TIME:		00:00	00:00	0.0	
						FIRE AND BOAT DRILLS:		00:00	00:00	0.0	
ATTENDANT PLANT					MISCELLANEOUS:		00:00	00:00	0.0		
ITEM	NAME OR NUMBER		H.P.	HOURS	TOTALS:		00:00	00:00	0.0		
40' Crewboat	Cape Anne		400	12:00	LOST TIME:						
					MAJOR REPAIRS AND ALTERATIONS:		00:00	00:00	0.0		
					CESSATION:		00:00	00:00	0.0		
					COLLISIONS:		00:00	00:00	0.0		
					TOTALS:		00:00	00:00	0.0		
					TOTAL TIME/MILES:		00:00	24:00	0.0		

QUALITY CONTROL REPORT-HOPPER DREDGE					PAGE NO. Page 336 of 494	
CONTRACT NO. W91278-16-D-0041 0001		CONTRACT TITLE IDIQ Rental Hopper Dredge in Mobile		CONTRACTOR Dutra Dredging Company		REPORT NO. 165
DREDGE		NAME AND TYPE M/V Columbia			DATE 15 Jul 2016 - Friday	
LOADS						
LOAD NUMBER	DREDGING AREA DISPOSAL AREA	START TIME STOP TIME (HH:MM)	PUMPING TURNING (MIN)	TO DUMP DUMPING TO CUT (MIN)	TOTAL TIME DREDGED AMOUNT AGITATED AMOUNT (MIN/CYS)	
1	Sta 880+00 to 940+00 Mobile 102-SW	00:00 00:36	29 7	157 4 64	261 2,635 0	
2	Sta 880+00 to 940+00 Mobile 102-SW	04:21 04:51	30 0	149 10 147	336 2,635 0	
3	Sta 880+00 to 940+00 Mobile 102-SW	09:57 10:28	31 0	168 4 167	370 2,635 0	
4	Sta 880+00 to 940+00 Mobile 102-SW	16:07 16:35	28 0	158 10 148	344 2,635 0	
5	Sta 880+00 to 940+00 Mobile 102-SW	21:51 21:52	1 0	0 0 128	129 0 0	
QC NARRATIVE(S)						
GENERAL COMMENTS						
1440 Minutes @ 100%						

QUALITY CONTROL REPORT-HOPPER DREDGE											PAGE NO. <div>Page 337 of 494</div>			
CONTRACT NO. W91278-16-D-0041 0001		CONTRACT TITLE IDIQ Rental Hopper Dredge in Mobile					CONTRACTOR Dutra Dredging Company				REPORT NO. 166			
CHARACTER OF REPORT		<input checked="" type="checkbox"/> MAINTENANCE <input type="checkbox"/> NEW WORK								DATE 16 Jul 2016 - Saturday				
DREDGE (M/V Columbia)		HOPPER CAP: 4,387 CY			AVG VOL OF BIN WATER: 4,387 CY			AVG UNFILLED CAP: 4,387 CY						
		NO. OF CREW MEMBERS	DREDGE 13		OTHER PLANT 5	WORK SCHEDULE	SHIFTS PER DAY 2		DAYS PER WEEK 7					
LOCATION OF WORK		LOCATION CHANNEL Mobile Harbor		REACH DREDGED; STA TO STA Sta 880+00 to 940+00		DISPOSAL AREA USE Mobile 102 -SW		QTY DEPOSITED GROSS(CY) 10,540		CUMULATIVE AND QTY DEPOSIT FOR DA(CY) 1,549,380				
		AVG LENGTH OF CUT 6,000 FT			AVG WIDTH OF CUT 400 FT			AVG DIST TO DUMP 26 NM						
CHARACTER OF MATERIAL		DENSITY OF MATERIALS						GMS/LITER 1.045						
		DENSITY OF WATER			1.006			GMS/LITER@ 86 °F						
RIVER/TIDE STAGE		MIN 1	TIME 00:00	MAX 0	TIME 00:00	GAGE LOCATION Dog River								
		MIN 1	TIME 00:00	MAX 0	TIME 00:00	GAGE DATUM MLLW								
WEATHER CONDITION		WEATHER			TEMP (min / max)		VISIBILITY		WIND					
		Weather Caused No Delay			74 °F / 89 °F		10		12					
DRAFT					DISTRIBUTION OF TIME AND MILES RUN									
FORWARD		LIGHT		LOADED				AGITATING (MIN)		DREDGE & HAUL (MIN)		MILES RUN (NAUT MI)		
		8		15		EFFECTIVE WORKING TIME:								
AFT		10		16		PUMPING:		00:00		02:34		0.0		
						TURNING:		00:00		00:00		0.0		
DRAG DEPTH MAX 49 MIN 44							TO DUMP:		00:00		10:27		0.0	
INDICATORS LAST CHECKED ON 04/17/2016							CONNECTING:		00:00		00:00		0.0	
AVERAGE SPEED OF DREDGE DURING LOADING					FT/MIN		DUMPING:		00:00		00:34		0.0	
					2		DISCONNECTING:		00:00		00:00		0.0	
AVERAGE SPEED OF DREDGE DURING AGITATING					FT/MIN		TO CUT:		00:00		10:25		0.0	
					0		TOTALS:		00:00		24:00		0.0	
GALLONS OF FUEL OIL CONSUMED					GAL		NON-EFFECTIVE WORKING TIME:							
					2,414		TAKING ON FUEL AND SUPPLIES:		00:00		00:00		0.0	
GALLONS OF WATER CONSUMED					GAL		TO AND FROM WHARF OR ANCHORAGE:		00:00		00:00		0.0	
					784		LOSS DUE TO NATURAL ELEMENTS:		00:00		00:00		0.0	
WORK PERFORMED					LOSS DUE TO TRAFFIC AND BRIDGES									
DREDGING AND HAULING			AGITATING		MINOR OPERATING REPAIRS:									
NO. OF LOADS	TOTAL CYS	DISPOSAL AREA		TOTAL CYS		TRANSFERRING BETWEEN WORKS:								
5	10,540	Mobile 102-SW		0		LAY TIME:								
						FIRE AND BOAT DRILLS:								
ATTENDANT PLANT					MISCELLANEOUS:									
ITEM		NAME OR NUMBER		H.P.	HOURS	TOTALS:								
40' Crewboat		Cape Anne		400	12:00	LOST TIME:								
						MAJOR REPAIRS AND ALTERATIONS:								
						CESSATION:								
						COLLISIONS:								
						TOTALS:								
						TOTAL TIME/MILES:								
						00:00 24:00 0.0								

QUALITY CONTROL REPORT-HOPPER DREDGE					PAGE NO. Page 338 of 494	
CONTRACT NO. W91278-16-D-0041 0001		CONTRACT TITLE IDIQ Rental Hopper Dredge in Mobile		CONTRACTOR Dutra Dredging Company		REPORT NO. 166
DREDGE		NAME AND TYPE M/V Columbia			DATE 16 Jul 2016 - Saturday	
LOADS						
LOAD NUMBER	DREDGING AREA DISPOSAL AREA	START TIME STOP TIME (HH:MM)	PUMPING TURNING (MIN)	TO DUMP DUMPING TO CUT (MIN)	TOTAL TIME DREDGED AMOUNT AGITATED AMOUNT (MIN/CYS)	
1	Sta 880+00 to 940+00 Mobile 102-SW	00:00 00:32	32 0	156 4 18	210 2,635 0	
2	Sta 880+00 to 940+00 Mobile 102-SW	03:30 03:59	29 0	147 10 163	349 2,635 0	
3	Sta 880+00 to 940+00 Mobile 102-SW	09:19 09:50	31 0	153 10 151	345 2,635 0	
4	Sta 880+00 to 940+00 Mobile 102-SW	15:04 15:36	32 0	166 10 149	357 2,635 0	
5	Sta 880+00 to 940+00 Mobile 102-SW	21:01 21:31	30 0	5 0 144	179 0 0	
QC NARRATIVE(S) GENERAL COMMENTS 1440 Minutes @ 100%						

QUALITY CONTROL REPORT-HOPPER DREDGE										PAGE NO. Page 339 of 494	
CONTRACT NO. W91278-16-D-0041 0001		CONTRACT TITLE IDIQ Rental Hopper Dredge in Mobile					CONTRACTOR Dutra Dredging Company			REPORT NO. 167	
CHARACTER OF REPORT		<input checked="" type="checkbox"/> MAINTENANCE <input type="checkbox"/> NEW WORK							DATE 17 Jul 2016 - Sunday		
DREDGE (M/V Columbia)		HOPPER CAP: 4,387 CY		AVG VOL OF BIN WATER: 4,387 CY			AVG UNFILLED CAP: 4,387 CY				
		NO. OF CREW MEMBERS	DREDGE 13	OTHER PLANT 5	WORK SCHEDULE	SHIFTS PER DAY 2	DAYS PER WEEK 7				
LOCATION OF WORK		LOCATION CHANNEL Mobile Harbor	REACH DREDGED; STA TO STA Sta 880+00 to 940+00			DISPOSAL AREA USE Mobile 102 -SW	QTY DEPOSITED GROSS(CY) 10,540	CUMULATIVE AND QTY DEPOSIT FOR DA(CY) 1,559,920			
		AVG LENGTH OF CUT 6,000 FT		AVG WIDTH OF CUT 400 FT		AVG DIST TO DUMP 26 NM					
CHARACTER OF MATERIAL		DENSITY OF MATERIALS						GMS/LITER 1.045			
		DENSITY OF WATER			1.006			GMS/LITER@ 86 °F			
RIVER/TIDE STAGE		MIN 2	TIME 00:00	MAX 0	TIME 00:00	GAGE LOCATION Dog River					
		MIN 1	TIME 00:00	MAX 0	TIME 00:00	GAGE DATUM MLLW					
WEATHER CONDITION		WEATHER			TEMP (min / max)		VISIBILITY	WIND			
		Weather Caused No Delay			77 °F / 88 °F		10	16			
DRAFT					DISTRIBUTION OF TIME AND MILES RUN						
FORWARD	LIGHT		LOADED			AGITATING (MIN)	DREDGE & HAUL (MIN)	MILES RUN (NAUT MI)			
	8		15		EFFECTIVE WORKING TIME:						
AFT	10		16		PUMPING:	00:00	02:04	0.0			
					TURNING:	00:00	00:00	0.0			
DRAG DEPTH MAX 49 MIN 44					TO DUMP:	00:00	11:36	0.0			
					CONNECTING:	00:00	00:00	0.0			
INDICATORS LAST CHECKED ON 04/17/2016					DUMPING:	00:00	00:40	0.0			
					DISCONNECTING:	00:00	00:00	0.0			
AVERAGE SPEED OF DREDGE DURING LOADING				FT/MIN	2	TO CUT:	00:00	09:40	0.0		
AVERAGE SPEED OF DREDGE DURING AGITATING				FT/MIN	0	TOTALS:	00:00	24:00	0.0		
GALLONS OF FUEL OIL CONSUMED				GAL	2,046	NON-EFFECTIVE WORKING TIME:					
GALLONS OF WATER CONSUMED				GAL	672	TAKING ON FUEL AND SUPPLIES:	00:00	00:00	0.0		
WORK PERFORMED					TO AND FROM WHARF OR ANCHORAGE:	00:00	00:00	0.0			
					LOSS DUE TO NATURAL ELEMENTS:	00:00	00:00	0.0			
DREDGING AND HAULING			AGITATING		LOSS DUE TO TRAFFIC AND BRIDGES	00:00	00:00	0.0			
NO. OF LOADS	TOTAL CYS	DISPOSAL AREA	TOTAL CYS		MINOR OPERATING REPAIRS:	00:00	00:00	0.0			
5	10,540	Mobile 102-SW	0		TRANSFERRING BETWEEN WORKS:	00:00	00:00	0.0			
					LAY TIME:	00:00	00:00	0.0			
					FIRE AND BOAT DRILLS:	00:00	00:00	0.0			
ATTENDANT PLANT					MISCELLANEOUS:	00:00	00:00	0.0			
					TOTALS:	00:00	00:00	0.0			
ITEM	NAME OR NUMBER		H.P.	HOURS	LOST TIME:						
40' Crewboat	Cape Anne		400	12:00	MAJOR REPAIRS AND ALTERATIONS:						
					CESSATION:						
					COLLISIONS:						
					TOTALS:						
					TOTAL TIME/MILES:						
					00:00 24:00 0.0						

QUALITY CONTROL REPORT-HOPPER DREDGE					PAGE NO. Page 340 of 494	
CONTRACT NO. W91278-16-D-0041 0001		CONTRACT TITLE IDIQ Rental Hopper Dredge in Mobile		CONTRACTOR Dutra Dredging Company		REPORT NO. 167
DREDGE		NAME AND TYPE M/V Columbia			DATE 17 Jul 2016 - Sunday	
LOADS						
LOAD NUMBER	DREDGING AREA DISPOSAL AREA	START TIME STOP TIME (HH:MM)	PUMPING TURNING (MIN)	TO DUMP DUMPING TO CUT (MIN)	TOTAL TIME DREDGED AMOUNT AGITATED AMOUNT (MIN/CYS)	
1	Sta 880+00 to 940+00 Mobile 102-SW	00:00 00:01	1 0	148 10 0	159 2,635 0	
2	Sta 880+00 to 940+00 Mobile 102-SW	02:39 03:10	31 0	150 10 139	330 2,635 0	
3	Sta 880+00 to 940+00 Mobile 102-SW	08:09 08:39	30 0	139 10 146	325 2,635 0	
4	Sta 880+00 to 940+00 Mobile 102-SW	13:34 14:05	31 0	148 10 148	337 2,635 0	
5	Sta 880+00 to 940+00 Mobile 102-SW	19:11 19:42	31 0	111 0 147	289 0 0	
QC NARRATIVE(S) GENERAL COMMENTS 1440 Minutes @ 100%						

QUALITY CONTROL REPORT-HOPPER DREDGE										PAGE NO. Page 341 of 494								
CONTRACT NO. W91278-16-D-0041 0001		CONTRACT TITLE IDIQ Rental Hopper Dredge in Mobile					CONTRACTOR Dutra Dredging Company			REPORT NO. 168								
CHARACTER OF REPORT		<input checked="" type="checkbox"/> MAINTENANCE <input type="checkbox"/> NEW WORK							DATE 18 Jul 2016 - Monday									
DREDGE (M/V Columbia)		HOPPER CAP: 4,387 CY		AVG VOL OF BIN WATER: 4,387 CY		AVG UNFILLED CAP: 4,387 CY												
		NO. OF CREW MEMBERS	DREDGE 13	OTHER PLANT 5	WORK SCHEDULE	SHIFTS PER DAY 2	DAYS PER WEEK 7											
LOCATION OF WORK		LOCATION CHANNEL Mobile Harbor		REACH DREDGED; STA TO STA Sta 880+00 to 940+00		DISPOSAL AREA USE Mobile 102 -SW		QTY DEPOSITED GROSS(CY) 10,540		CUMULATIVE AND QTY DEPOSIT FOR DA(CY) 1,570,460								
		AVG LENGTH OF CUT 6,000 FT		AVG WIDTH OF CUT 400 FT		AVG DIST TO DUMP 26 NM												
CHARACTER OF MATERIAL		DENSITY OF MATERIALS						GMS/LITER 1.045										
		DENSITY OF WATER				1.006		GMS/LITER@ 86 °F										
RIVER/TIDE STAGE		MIN 1	TIME 00:00	MAX 0	TIME 00:00	GAGE LOCATION Dog River												
		MIN 2	TIME 00:00	MAX 0	TIME 00:00	GAGE DATUM MLLW												
WEATHER CONDITION		WEATHER			TEMP (min / max)		VISIBILITY		WIND									
		Weather Caused No Delay			77 °F / 92 °F		10		10									
DRAFT					DISTRIBUTION OF TIME AND MILES RUN													
FORWARD		LIGHT		LOADED				AGITATING (MIN)		DREDGE & HAUL (MIN)		MILES RUN (NAUT MI)						
		8		15		EFFECTIVE WORKING TIME:												
AFT		10		16		PUMPING:		00:00		02:02		0.0						
						TURNING:		00:00		00:14		0.0						
DRAG DEPTH MAX 49 MIN 44					TO DUMP:		00:00		09:06		0.0							
					CONNECTING:		00:00		00:00		0.0							
INDICATORS LAST CHECKED ON 04/17/2016					DUMPING:		00:00		00:40		0.0							
					DISCONNECTING:		00:00		00:00		0.0							
AVERAGE SPEED OF DREDGE DURING LOADING							FT/MIN		2		TO CUT:		00:00		10:25		0.0	
AVERAGE SPEED OF DREDGE DURING AGITATING							FT/MIN		0		TOTALS:		00:00		22:27		0.0	
GALLONS OF FUEL OIL CONSUMED							GAL		3,283		NON-EFFECTIVE WORKING TIME:							
GALLONS OF WATER CONSUMED							GAL		784		TAKING ON FUEL AND SUPPLIES:		00:00		00:00		0.0	
WORK PERFORMED											TO AND FROM WHARF OR ANCHORAGE:		00:00		00:00		0.0	
													LOSS DUE TO NATURAL ELEMENTS:		00:00		00:00	
DREDGING AND HAULING				AGITATING						LOSS DUE TO TRAFFIC AND BRIDGES		00:00		00:00		0.0		
NO. OF LOADS	TOTAL CYS	DISPOSAL AREA		TOTAL CYS						MINOR OPERATING REPAIRS:		00:00		00:00		0.0		
5	10,540	Mobile 102-SW		0						TRANSFERRING BETWEEN WORKS:		00:00		00:00		0.0		
										LAY TIME:		00:00		00:00		0.0		
										FIRE AND BOAT DRILLS:		00:00		00:00		0.0		
ATTENDANT PLANT											MISCELLANEOUS:		00:00		01:33		0.0	
													TOTALS:		00:00		01:33	
ITEM		NAME OR NUMBER		H.P.		HOURS		LOST TIME:										
40' Crewboat		Cape Anne		400		12:00												
										MAJOR REPAIRS AND ALTERATIONS:		00:00		00:00		0.0		
										CESSATION:		00:00		00:00		0.0		
										COLLISIONS:		00:00		00:00		0.0		
										TOTALS:		00:00		00:00		0.0		
										TOTAL TIME/MILES:		00:00		24:00		0.0		

QUALITY CONTROL REPORT-HOPPER DREDGE			PAGE NO. Page 342 of 494
CONTRACT NO. W91278-16-D-0041 0001	CONTRACT TITLE IDIQ Rental Hopper Dredge in Mobile	CONTRACTOR Dutra Dredging Company	REPORT NO. 168
DREDGE	NAME AND TYPE M/V Columbia		DATE 18 Jul 2016 - Monday

LOADS					
LOAD NUMBER	DREDGING AREA DISPOSAL AREA	START TIME STOP TIME (HH:MM)	PUMPING TURNING (MIN)	TO DUMP DUMPING TO CUT (MIN)	TOTAL TIME DREDGED AMOUNT AGITATED AMOUNT (MIN/CYS)
1	Sta 880+00 to 940+00 Mobile 102-SW	00:00 00:01	1 0	49 10 0	60 2,635 0
2	Sta 880+00 to 940+00 Mobile 102-SW	01:00 01:46	32 14	153 10 145	354 2,635 0
3	Sta 880+00 to 940+00 Mobile 102-SW	06:54 07:23	29 0	153 10 176	368 2,635 0
4	Sta 880+00 to 940+00 Mobile 102-SW	13:02 13:35	33 0	149 10 158	350 2,635 0
5	Sta 880+00 to 940+00 Mobile 102-SW	20:25 20:52	27 0	42 0 146	215 0 0

QC NARRATIVE(S)

GENERAL COMMENTS

1347 Minutes @ 100%
93 Minutes @ 0% Other -- Chain test on Dragarm

QUALITY CONTROL REPORT-HOPPER DREDGE										PAGE NO. Page 343 of 494															
CONTRACT NO. W91278-16-D-0041 0001		CONTRACT TITLE IDIQ Rental Hopper Dredge in Mobile					CONTRACTOR Dutra Dredging Company			REPORT NO. 169															
CHARACTER OF REPORT		<input checked="" type="checkbox"/> MAINTENANCE <input type="checkbox"/> NEW WORK							DATE 19 Jul 2016 - Tuesday																
DREDGE (M/V Columbia)		HOPPER CAP: 4,387 CY		AVG VOL OF BIN WATER: 4,387 CY			AVG UNFILLED CAP: 4,387 CY																		
		NO. OF CREW MEMBERS	DREDGE 13	OTHER PLANT 5	WORK SCHEDULE	SHIFTS PER DAY 2	DAYS PER WEEK 7																		
LOCATION OF WORK		LOCATION CHANNEL Mobile Harbor	REACH DREDGED; STA TO STA Sta 880+00 to 940+00			DISPOSAL AREA USE Mobile 102 -SW	QTY DEPOSITED GROSS(CY) 10,540	CUMULATIVE AND QTY DEPOSIT FOR DA(CY) 1,581,000																	
		AVG LENGTH OF CUT 6,000 FT		AVG WIDTH OF CUT 400 FT		AVG DIST TO DUMP 26 NM																			
CHARACTER OF MATERIAL		DENSITY OF MATERIALS						GMS/LITER 1.045																	
		DENSITY OF WATER			1.006			GMS/LITER@ 86 °F																	
RIVER/TIDE STAGE		MIN 1	TIME 00:00	MAX 0	TIME 00:00	GAGE LOCATION Dog River																			
		MIN 1	TIME 00:00	MAX 0	TIME 00:00	GAGE DATUM MLLW																			
WEATHER CONDITION		WEATHER Weather Caused No Delay		TEMP (min / max) 76 °F / 95 °F		VISIBILITY 10	WIND 5																		
DRAFT					DISTRIBUTION OF TIME AND MILES RUN																				
FORWARD	LIGHT		LOADED			AGITATING (MIN)	DREDGE & HAUL (MIN)	MILES RUN (NAUT MI)																	
	8		15		EFFECTIVE WORKING TIME:																				
AFT	10		16		PUMPING:	00:00	01:39	0.0																	
DRAG DEPTH MAX 49 MIN 44 INDICATORS LAST CHECKED ON 07/19/2016 AVERAGE SPEED OF DREDGE DURING LOADING FT/MIN 2 AVERAGE SPEED OF DREDGE DURING AGITATING FT/MIN 0 GALLONS OF FUEL OIL CONSUMED GAL 2,946 GALLONS OF WATER CONSUMED GAL 1,009 WORK PERFORMED DREDGING AND HAULING AGITATING <table><tr><td>NO. OF LOADS</td><td>TOTAL CYS</td><td>DISPOSAL AREA</td><td>TOTAL CYS</td></tr><tr><td>5</td><td>10,540</td><td>Mobile 102-SW</td><td>0</td></tr><tr><td></td><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td><td></td></tr></table>					NO. OF LOADS	TOTAL CYS	DISPOSAL AREA	TOTAL CYS	5	10,540	Mobile 102-SW	0									TURNING:	00:00	00:03	0.0	
					NO. OF LOADS	TOTAL CYS	DISPOSAL AREA	TOTAL CYS																	
					5	10,540	Mobile 102-SW	0																	
					TO DUMP:	00:00	09:28	0.0																	
					CONNECTING:	00:00	00:00	0.0																	
DUMPING:	00:00	00:40	0.0																						
DISCONNECTING:	00:00	00:00	0.0																						
TO CUT:	00:00	07:45	0.0																						
TOTALS:	00:00	19:35	0.0																						
NON-EFFECTIVE WORKING TIME:																									
TAKING ON FUEL AND SUPPLIES:					00:00	00:00	0.0																		
TO AND FROM WHARF OR ANCHORAGE:					00:00	00:00	0.0																		
LOSS DUE TO NATURAL ELEMENTS:					00:00	00:00	0.0																		
LOSS DUE TO TRAFFIC AND BRIDGES					00:00	00:00	0.0																		
MINOR OPERATING REPAIRS:					00:00	00:00	0.0																		
TRANSFERRING BETWEEN WORKS:					00:00	00:00	0.0																		
LAY TIME:					00:00	00:00	0.0																		
FIRE AND BOAT DRILLS:					00:00	00:00	0.0																		
MISCELLANEOUS:					00:00	04:25	0.0																		
TOTALS:					00:00	04:25	0.0																		
LOST TIME:																									
MAJOR REPAIRS AND ALTERATIONS:					00:00	00:00	0.0																		
CESSATION:					00:00	00:00	0.0																		
COLLISIONS:					00:00	00:00	0.0																		
TOTALS:					00:00	00:00	0.0																		
TOTAL TIME/MILES:					00:00	24:00	0.0																		
RMS FORM 27A																									

QUALITY CONTROL REPORT-HOPPER DREDGE			PAGE NO. Page 344 of 494
CONTRACT NO. W91278-16-D-0041 0001	CONTRACT TITLE IDIQ Rental Hopper Dredge in Mobile	CONTRACTOR Dutra Dredging Company	REPORT NO. 169
DREDGE	NAME AND TYPE M/V Columbia		DATE 19 Jul 2016 - Tuesday

LOADS					
LOAD NUMBER	DREDGING AREA DISPOSAL AREA	START TIME STOP TIME (HH:MM)	PUMPING TURNING (MIN)	TO DUMP DUMPING TO CUT (MIN)	TOTAL TIME DREDGED AMOUNT AGITATED AMOUNT (MIN/CYS)
1	Sta 880+00 to 940+00 Mobile 102-SW	00:00 00:01	1 0	120 10 0	131 2,635 0
2	Sta 880+00 to 940+00 Mobile 102-SW	02:11 02:44	33 0	150 10 148	341 2,635 0
3	Sta 880+00 to 940+00 Mobile 102-SW	07:52 08:26	34 0	146 10 113	303 2,635 0
4	Sta 880+00 to 940+00 Mobile 102-SW	17:20 17:53	30 3	152 10 164	359 2,635 0
5	Sta 880+00 to 940+00 Mobile 102-SW	23:19 23:20	1 0	0 0 40	41 0 0

QC NARRATIVE(S)

GENERAL COMMENTS

1175 Minutes @ 100%
265 Minutes @ 0% Other -- DQM Annual Certification

QUALITY CONTROL REPORT-HOPPER DREDGE										PAGE NO. Page 345 of 494						
CONTRACT NO. W91278-16-D-0041 0001		CONTRACT TITLE IDIQ Rental Hopper Dredge in Mobile					CONTRACTOR Dutra Dredging Company			REPORT NO. 170						
CHARACTER OF REPORT		<input checked="" type="checkbox"/> MAINTENANCE <input type="checkbox"/> NEW WORK							DATE 20 Jul 2016 - Wednesday							
DREDGE (M/V Columbia)		HOPPER CAP: 4,387 CY		AVG VOL OF BIN WATER: 4,387 CY		AVG UNFILLED CAP: 4,387 CY										
		NO. OF CREW MEMBERS	DREDGE 13	OTHER PLANT 5	WORK SCHEDULE	SHIFTS PER DAY 2		DAYS PER WEEK 7								
LOCATION OF WORK		LOCATION CHANNEL Mobile Harbor		REACH DREDGED; STA TO STA Sta 880+00 to 940+00		DISPOSAL AREA USE Mobile 102 -SW		QTY DEPOSITED GROSS(CY) 10,540		CUMULATIVE AND QTY DEPOSIT FOR DA(CY) 1,591,540						
		AVG LENGTH OF CUT 6,000 FT		AVG WIDTH OF CUT 400 FT		AVG DIST TO DUMP 26 NM										
CHARACTER OF MATERIAL		DENSITY OF MATERIALS						GMS/LITER 1.045								
		DENSITY OF WATER			1.006			GMS/LITER@ 86 °F								
RIVER/TIDE STAGE		MIN 1	TIME 00:00	MAX 0	TIME 00:00	GAGE LOCATION Dog River										
		MIN 1	TIME 00:00	MAX 0	TIME 00:00	GAGE DATUM MLLW										
WEATHER CONDITION		WEATHER			TEMP (min / max)		VISIBILITY		WIND							
		Weather Caused No Delay			78 °F / 97 °F		10		15							
DRAFT					DISTRIBUTION OF TIME AND MILES RUN											
FORWARD		LIGHT		LOADED				AGITATING (MIN)		DREDGE & HAUL (MIN)		MILES RUN (NAUT MI)				
		8		15		EFFECTIVE WORKING TIME:										
AFT		10		16		PUMPING:		00:00		01:51		0.0				
						TURNING:		00:00		00:19		0.0				
DRAG DEPTH MAX 49 MIN 44					TO DUMP:		00:00		09:55		0.0					
					CONNECTING:		00:00		00:00		0.0					
INDICATORS LAST CHECKED ON 07/19/2016					DUMPING:		00:00		00:15		0.0					
					DISCONNECTING:		00:00		00:00		0.0					
AVERAGE SPEED OF DREDGE DURING LOADING					FT/MIN		2		TO CUT:		00:00		11:40		0.0	
AVERAGE SPEED OF DREDGE DURING AGITATING					FT/MIN		0		TOTALS:		00:00		24:00		0.0	
GALLONS OF FUEL OIL CONSUMED					GAL		2,962		NON-EFFECTIVE WORKING TIME:							
GALLONS OF WATER CONSUMED					GAL		1,122		TAKING ON FUEL AND SUPPLIES:		00:00		00:00		0.0	
WORK PERFORMED					TO AND FROM WHARF OR ANCHORAGE:		00:00		00:00		0.0					
					LOSS DUE TO NATURAL ELEMENTS:		00:00		00:00		0.0					
DREDGING AND HAULING			AGITATING		LOSS DUE TO TRAFFIC AND BRIDGES		00:00		00:00		0.0					
NO. OF LOADS	TOTAL CYS	DISPOSAL AREA		TOTAL CYS		MINOR OPERATING REPAIRS:		00:00		00:00		0.0				
5	10,540	Mobile 102-SW		0		TRANSFERRING BETWEEN WORKS:		00:00		00:00		0.0				
						LAY TIME:		00:00		00:00		0.0				
						FIRE AND BOAT DRILLS:		00:00		00:00		0.0				
ATTENDANT PLANT					MISCELLANEOUS:		00:00		00:00		0.0					
					TOTALS:		00:00		00:00		0.0					
ITEM		NAME OR NUMBER		H.P.	HOURS	LOST TIME:										
40' Crewboat		Cape Anne		400	12:00	MAJOR REPAIRS AND ALTERATIONS:		00:00		00:00		0.0				
						CESSATION:		00:00		00:00		0.0				
						COLLISIONS:		00:00		00:00		0.0				
						TOTALS:		00:00		00:00		0.0				
						TOTAL TIME/MILES:		00:00		24:00		0.0				

QUALITY CONTROL REPORT-HOPPER DREDGE					PAGE NO. Page 346 of 494	
CONTRACT NO. W91278-16-D-0041 0001		CONTRACT TITLE IDIQ Rental Hopper Dredge in Mobile		CONTRACTOR Dutra Dredging Company		REPORT NO. 170
DREDGE		NAME AND TYPE M/V Columbia			DATE 20 Jul 2016 - Wednesday	
LOADS						
LOAD NUMBER	DREDGING AREA DISPOSAL AREA	START TIME STOP TIME (HH:MM)	PUMPING TURNING (MIN)	TO DUMP DUMPING TO CUT (MIN)	TOTAL TIME DREDGED AMOUNT AGITATED AMOUNT (MIN/CYS)	
1	Sta 880+00 to 940+00 Mobile 102-SW	00:00 00:36	30 6	150 4 107	297 2,635 0	
2	Sta 880+00 to 940+00 Mobile 102-SW	04:57 05:23	26 0	151 3 155	335 2,635 0	
3	Sta 880+00 to 940+00 Mobile 102-SW	10:32 11:14	29 13	140 4 140	326 2,635 0	
4	Sta 880+00 to 940+00 Mobile 102-SW	15:58 16:23	25 0	154 4 172	355 2,635 0	
5	Sta 880+00 to 940+00 Mobile 102-SW	21:53 21:54	1 0	0 0 126	127 0 0	
QC NARRATIVE(S)						
GENERAL COMMENTS						
1440 Minutes @ 100%						

QUALITY CONTROL REPORT-HOPPER DREDGE										PAGE NO. Page 347 of 494	
CONTRACT NO. W91278-16-D-0041 0001		CONTRACT TITLE IDIQ Rental Hopper Dredge in Mobile					CONTRACTOR Dutra Dredging Company			REPORT NO. 171	
CHARACTER OF REPORT		<input checked="" type="checkbox"/> MAINTENANCE <input type="checkbox"/> NEW WORK							DATE 21 Jul 2016 - Thursday		
DREDGE (M/V Columbia)		HOPPER CAP: 4,387 CY		AVG VOL OF BIN WATER: 4,387 CY		AVG UNFILLED CAP: 4,387 CY					
		NO. OF CREW MEMBERS	DREDGE 13	OTHER PLANT 5	WORK SCHEDULE	SHIFTS PER DAY 2	DAYS PER WEEK 7				
LOCATION OF WORK		LOCATION CHANNEL Mobile Harbor	REACH DREDGED; STA TO STA Sta 820+00 to 880+00		DISPOSAL AREA USE Mobile 102 -SW		QTY DEPOSITED GROSS(CY) 10,540	CUMULATIVE AND QTY DEPOSIT FOR DA(CY) 1,602,080			
		AVG LENGTH OF CUT 6,000 FT		AVG WIDTH OF CUT 400 FT		AVG DIST TO DUMP 27 NM					
CHARACTER OF MATERIAL		DENSITY OF MATERIALS						GMS/LITER 1.045			
		DENSITY OF WATER			1.006			GMS/LITER@ 86 °F			
RIVER/TIDE STAGE		MIN 0	TIME 00:00	MAX 0	TIME 00:00	GAGE LOCATION Dog River					
		MIN 0	TIME 00:00	MAX 0	TIME 00:00	GAGE DATUM MLLW					
WEATHER CONDITION		WEATHER		TEMP (min / max)		VISIBILITY		WIND			
		Weather Caused No Delay		76 °F / 95 °F		10		20			
DRAFT					DISTRIBUTION OF TIME AND MILES RUN						
FORWARD		LIGHT		LOADED				AGITATING (MIN)	DREDGE & HAUL (MIN)	MILES RUN (NAUT MI)	
		8		15				EFFECTIVE WORKING TIME:			
AFT											
		10		16							
DRAG DEPTH MAX 49 MIN 44					PUMPING:		00:00	01:53	0.0		
INDICATORS LAST CHECKED ON 07/19/2016					TURNING:		00:00	00:00	0.0		
					TO DUMP:		00:00	10:19	0.0		
AVERAGE SPEED OF DREDGE DURING LOADING					CONNECTING:		00:00	00:00	0.0		
					DUMPING:		00:00	00:40	0.0		
AVERAGE SPEED OF DREDGE DURING AGITATING					DISCONNECTING:		00:00	00:00	0.0		
					TO CUT:		00:00	11:08	0.0		
GALLONS OF FUEL OIL CONSUMED					TOTALS:		00:00	24:00	0.0		
					NON-EFFECTIVE WORKING TIME:						
GALLONS OF WATER CONSUMED					TAKING ON FUEL AND SUPPLIES:		00:00	00:00	0.0		
					TO AND FROM WHARF OR ANCHORAGE:		00:00	00:00	0.0		
WORK PERFORMED					LOSS DUE TO NATURAL ELEMENTS:		00:00	00:00	0.0		
DREDGING AND HAULING				AGITATING		LOSS DUE TO TRAFFIC AND BRIDGES		00:00	00:00	0.0	
NO. OF LOADS	TOTAL CYS	DISPOSAL AREA		TOTAL CYS		MINOR OPERATING REPAIRS:		00:00	00:00	0.0	
5	10,540	Mobile 102-SW		0		TRANSFERRING BETWEEN WORKS:		00:00	00:00	0.0	
						LAY TIME:		00:00	00:00	0.0	
						FIRE AND BOAT DRILLS:		00:00	00:00	0.0	
ATTENDANT PLANT					MISCELLANEOUS:		00:00	00:00	0.0		
ITEM	NAME OR NUMBER		H.P.	HOURS	TOTALS:		00:00	00:00	0.0		
40' Crewboat	Cape Anne		400	12:00	LOST TIME:						
					MAJOR REPAIRS AND ALTERATIONS:		00:00	00:00	0.0		
					CESSATION:		00:00	00:00	0.0		
					COLLISIONS:		00:00	00:00	0.0		
					TOTALS:		00:00	00:00	0.0		
					TOTAL TIME/MILES:		00:00	24:00	0.0		

QUALITY CONTROL REPORT-HOPPER DREDGE					PAGE NO. Page 348 of 494	
CONTRACT NO. W91278-16-D-0041 0001		CONTRACT TITLE IDIQ Rental Hopper Dredge in Mobile		CONTRACTOR Dutra Dredging Company		REPORT NO. 171
DREDGE		NAME AND TYPE M/V Columbia			DATE 21 Jul 2016 - Thursday	
LOADS						
LOAD NUMBER	DREDGING AREA DISPOSAL AREA	START TIME STOP TIME (HH:MM)	PUMPING TURNING (MIN)	TO DUMP DUMPING TO CUT (MIN)	TOTAL TIME DREDGED AMOUNT AGITATED AMOUNT (MIN/CYS)	
1	Sta 820+00 880+00 Mobile 102-SW	00:00 00:28	28 0	157 10 37	232 2,635 0	
2	Sta 820+00 880+00 Mobile 102-SW	03:52 04:23	31 0	160 10 161	362 2,635 0	
3	Sta 820+00 880+00 Mobile 102-SW	09:54 10:19	25 0	160 10 151	346 2,635 0	
4	Sta 820+00 880+00 Mobile 102-SW	15:40 16:08	28 0	142 10 194	374 2,635 0	
5	Sta 820+00 880+00 Mobile 102-SW	21:54 21:55	1 0	0 0 125	126 0 0	
QC NARRATIVE(S) GENERAL COMMENTS 1440 Minutes @ 100%						

QUALITY CONTROL REPORT-HOPPER DREDGE										PAGE NO. Page 349 of 494	
CONTRACT NO. W91278-16-D-0041 0001		CONTRACT TITLE IDIQ Rental Hopper Dredge in Mobile					CONTRACTOR Dutra Dredging Company			REPORT NO. 172	
CHARACTER OF REPORT		<input checked="" type="checkbox"/> MAINTENANCE <input type="checkbox"/> NEW WORK							DATE 22 Jul 2016 - Friday		
DREDGE (M/V Columbia)		HOPPER CAP: 4,387 CY		AVG VOL OF BIN WATER: 4,387 CY		AVG UNFILLED CAP: 4,387 CY					
		NO. OF CREW MEMBERS	DREDGE 13	OTHER PLANT 5	WORK SCHEDULE	SHIFTS PER DAY 2	DAYS PER WEEK 7				
LOCATION OF WORK		LOCATION CHANNEL Mobile Harbor	REACH DREDGED; STA TO STA Sta 820+00 to 880+00		DISPOSAL AREA USE Mobile 102 -SW		QTY DEPOSITED GROSS(CY) 10,540	CUMULATIVE AND QTY DEPOSIT FOR DA(CY) 1,612,620			
		AVG LENGTH OF CUT 6,000 FT		AVG WIDTH OF CUT 400 FT		AVG DIST TO DUMP 27 NM					
CHARACTER OF MATERIAL		DENSITY OF MATERIALS					GMS/LITER 1.045				
		DENSITY OF WATER			1.006		GMS/LITER@ 86 °F				
RIVER/TIDE STAGE		MIN 0	TIME 00:00	MAX 0	TIME 00:00	GAGE LOCATION Dog River					
		MIN 1	TIME 00:00	MAX 0	TIME 00:00	GAGE DATUM MLLW					
WEATHER CONDITION		WEATHER		TEMP (min / max)		VISIBILITY		WIND			
		Weather Caused No Delay		75 °F / 87 °F		10		25			
DRAFT					DISTRIBUTION OF TIME AND MILES RUN						
FORWARD		LIGHT		LOADED				AGITATING (MIN)	DREDGE & HAUL (MIN)	MILES RUN (NAUT MI)	
		8		15				EFFECTIVE WORKING TIME:			
AFT											
		10		16							
DRAG DEPTH MAX 49 MIN 44					PUMPING:		00:00	01:45	0.0		
INDICATORS LAST CHECKED ON 07/19/2016					TURNING:		00:00	00:00	0.0		
					TO DUMP:		00:00	10:43	0.0		
AVERAGE SPEED OF DREDGE DURING LOADING					CONNECTING:		00:00	00:00	0.0		
					DUMPING:		00:00	00:34	0.0		
AVERAGE SPEED OF DREDGE DURING AGITATING					DISCONNECTING:		00:00	00:00	0.0		
					TO CUT:		00:00	10:58	0.0		
GALLONS OF FUEL OIL CONSUMED					TOTALS:		00:00	24:00	0.0		
					NON-EFFECTIVE WORKING TIME:						
GALLONS OF WATER CONSUMED					TAKING ON FUEL AND SUPPLIES:		00:00	00:00	0.0		
					TO AND FROM WHARF OR ANCHORAGE:		00:00	00:00	0.0		
WORK PERFORMED					LOSS DUE TO NATURAL ELEMENTS:		00:00	00:00	0.0		
DREDGING AND HAULING				AGITATING		LOSS DUE TO TRAFFIC AND BRIDGES		00:00	00:00	0.0	
NO. OF LOADS	TOTAL CYS	DISPOSAL AREA		TOTAL CYS		MINOR OPERATING REPAIRS:		00:00	00:00	0.0	
5	10,540	Mobile 102-SW		0		TRANSFERRING BETWEEN WORKS:		00:00	00:00	0.0	
						LAY TIME:		00:00	00:00	0.0	
						FIRE AND BOAT DRILLS:		00:00	00:00	0.0	
ATTENDANT PLANT					MISCELLANEOUS:		00:00	00:00	0.0		
ITEM	NAME OR NUMBER		H.P.	HOURS	TOTALS:		00:00	00:00	0.0		
40' Crewboat	Cape Anne		400	12:00	LOST TIME:						
					MAJOR REPAIRS AND ALTERATIONS:		00:00	00:00	0.0		
					CESSATION:		00:00	00:00	0.0		
					COLLISIONS:		00:00	00:00	0.0		
					TOTALS:		00:00	00:00	0.0		
					TOTAL TIME/MILES:		00:00	24:00	0.0		

QUALITY CONTROL REPORT-HOPPER DREDGE					PAGE NO. Page 350 of 494	
CONTRACT NO. W91278-16-D-0041 0001		CONTRACT TITLE IDIQ Rental Hopper Dredge in Mobile		CONTRACTOR Dutra Dredging Company		REPORT NO. 172
DREDGE		NAME AND TYPE M/V Columbia			DATE 22 Jul 2016 - Friday	
LOADS						
LOAD NUMBER	DREDGING AREA DISPOSAL AREA	START TIME STOP TIME (HH:MM)	PUMPING TURNING (MIN)	TO DUMP DUMPING TO CUT (MIN)	TOTAL TIME DREDGED AMOUNT AGITATED AMOUNT (MIN/CYS)	
1	Sta 820+00 to 880+00 Mobile 102-SW	00:00 00:27	27 0	172 10 28	237 2,635 0	
2	Sta 820+00 to 880+00 Mobile 102-SW	03:57 04:22	25 0	158 10 157	350 2,635 0	
3	Sta 820+00 to 880+00 Mobile 102-SW	09:47 10:12	25 0	160 4 143	332 2,635 0	
4	Sta 820+00 to 880+00 Mobile 102-SW	15:19 15:46	27 0	153 10 170	360 2,635 0	
5	Sta 820+00 to 880+00 Mobile 102-SW	21:19 21:20	1 0	0 0 160	161 0 0	
<div>QC NARRATIVE(S)</div> <div>GENERAL COMMENTS</div> <div>1440 Minutes @ 100%</div>						

QUALITY CONTROL REPORT-HOPPER DREDGE										PAGE NO. Page 351 of 494	
CONTRACT NO. W91278-16-D-0041 0001		CONTRACT TITLE IDIQ Rental Hopper Dredge in Mobile					CONTRACTOR Dutra Dredging Company			REPORT NO. 173	
CHARACTER OF REPORT		<input checked="" type="checkbox"/> MAINTENANCE <input type="checkbox"/> NEW WORK							DATE 23 Jul 2016 - Saturday		
DREDGE (M/V Columbia)		HOPPER CAP: 4,387 CY		AVG VOL OF BIN WATER: 4,387 CY		AVG UNFILLED CAP: 4,387 CY					
		NO. OF CREW MEMBERS	DREDGE 13	OTHER PLANT 5	WORK SCHEDULE	SHIFTS PER DAY 2	DAYS PER WEEK 7				
LOCATION OF WORK		LOCATION CHANNEL Mobile Harbor	REACH DREDGED; STA TO STA Sta 820+00 to 880+00		DISPOSAL AREA USE Mobile 102 -SW		QTY DEPOSITED GROSS(CY) 10,540	CUMULATIVE AND QTY DEPOSIT FOR DA(CY) 1,623,160			
		AVG LENGTH OF CUT 6,000 FT		AVG WIDTH OF CUT 400 FT		AVG DIST TO DUMP 27 NM					
CHARACTER OF MATERIAL		DENSITY OF MATERIALS						GMS/LITER 1.045			
		DENSITY OF WATER			1.006			GMS/LITER@ 86 °F			
RIVER/TIDE STAGE		MIN 0	TIME 00:00	MAX 0	TIME 00:00	GAGE LOCATION Dog River					
		MIN 1	TIME 00:00	MAX 0	TIME 00:00	GAGE DATUM MLLW					
WEATHER CONDITION		WEATHER		TEMP (min / max)		VISIBILITY		WIND			
		Weather Caused No Delay		75 °F / 91 °F		10		26			
DRAFT					DISTRIBUTION OF TIME AND MILES RUN						
FORWARD		LIGHT		LOADED				AGITATING (MIN)	DREDGE & HAUL (MIN)	MILES RUN (NAUT MI)	
		8		15				EFFECTIVE WORKING TIME:			
AFT											
		10		16							
DRAG DEPTH MAX 49 MIN 44					PUMPING:		00:00	01:49	0.0		
INDICATORS LAST CHECKED ON 07/19/2016					TURNING:		00:00	00:00	0.0		
					TO DUMP:		00:00	10:42	0.0		
AVERAGE SPEED OF DREDGE DURING LOADING					CONNECTING:		00:00	00:00	0.0		
					DUMPING:		00:00	00:53	0.0		
AVERAGE SPEED OF DREDGE DURING AGITATING					DISCONNECTING:		00:00	00:00	0.0		
					TO CUT:		00:00	10:36	0.0		
GALLONS OF FUEL OIL CONSUMED					TOTALS:		00:00	24:00	0.0		
					NON-EFFECTIVE WORKING TIME:						
GALLONS OF WATER CONSUMED					TAKING ON FUEL AND SUPPLIES:		00:00	00:00	0.0		
					TO AND FROM WHARF OR ANCHORAGE:		00:00	00:00	0.0		
WORK PERFORMED					LOSS DUE TO NATURAL ELEMENTS:		00:00	00:00	0.0		
DREDGING AND HAULING				AGITATING		LOSS DUE TO TRAFFIC AND BRIDGES		00:00	00:00	0.0	
NO. OF LOADS	TOTAL CYS	DISPOSAL AREA		TOTAL CYS		MINOR OPERATING REPAIRS:		00:00	00:00	0.0	
5	10,540	Mobile 102-SW		0		TRANSFERRING BETWEEN WORKS:		00:00	00:00	0.0	
						LAY TIME:		00:00	00:00	0.0	
						FIRE AND BOAT DRILLS:		00:00	00:00	0.0	
ATTENDANT PLANT					MISCELLANEOUS:		00:00	00:00	0.0		
ITEM	NAME OR NUMBER		H.P.	HOURS	TOTALS:		00:00	00:00	0.0		
40' Crewboat	Cape Anne		400	12:00	LOST TIME:						
					MAJOR REPAIRS AND ALTERATIONS:		00:00	00:00	0.0		
					CESSATION:		00:00	00:00	0.0		
					COLLISIONS:		00:00	00:00	0.0		
					TOTALS:		00:00	00:00	0.0		
					TOTAL TIME/MILES:		00:00	24:00	0.0		

QUALITY CONTROL REPORT-HOPPER DREDGE					PAGE NO. Page 352 of 494	
CONTRACT NO. W91278-16-D-0041 0001		CONTRACT TITLE IDIQ Rental Hopper Dredge in Mobile		CONTRACTOR Dutra Dredging Company		REPORT NO. 173
DREDGE		NAME AND TYPE M/V Columbia			DATE 23 Jul 2016 - Saturday	
LOADS						
LOAD NUMBER	DREDGING AREA DISPOSAL AREA	START TIME STOP TIME (HH:MM)	PUMPING TURNING (MIN)	TO DUMP DUMPING TO CUT (MIN)	TOTAL TIME DREDGED AMOUNT AGITATED AMOUNT (MIN/CYS)	
1	Sta 820+00 to 880+00 Mobile 102-SW	00:00 00:25	25 0	169 10 3	207 2,635 0	
2	Sta 820+00 to 880+00 Mobile 102-SW	03:27 03:54	27 0	154 14 176	371 2,635 0	
3	Sta 820+00 to 880+00 Mobile 102-SW	09:38 10:07	29 0	155 4 156	344 2,635 0	
4	Sta 820+00 to 880+00 Mobile 102-SW	15:22 15:49	27 0	164 25 170	386 2,635 0	
5	Sta 820+00 to 880+00 Mobile 102-SW	21:48 21:49	1 0	0 0 131	132 0 0	
QC NARRATIVE(S) GENERAL COMMENTS 1440 Minutes @ 100%						

QUALITY CONTROL REPORT-HOPPER DREDGE										PAGE NO. Page 353 of 494								
CONTRACT NO. W91278-16-D-0041 0001		CONTRACT TITLE IDIQ Rental Hopper Dredge in Mobile					CONTRACTOR Dutra Dredging Company			REPORT NO. 174								
CHARACTER OF REPORT		<input checked="" type="checkbox"/> MAINTENANCE <input type="checkbox"/> NEW WORK							DATE 24 Jul 2016 - Sunday									
DREDGE (M/V Columbia)		HOPPER CAP: 4,387 CY		AVG VOL OF BIN WATER: 4,387 CY		AVG UNFILLED CAP: 4,387 CY												
		NO. OF CREW MEMBERS	DREDGE 13	OTHER PLANT 5	WORK SCHEDULE	SHIFTS PER DAY 2	DAYS PER WEEK 7											
LOCATION OF WORK		LOCATION CHANNEL Mobile Harbor		REACH DREDGED; STA TO STA Sta 820+00 to 880+00		DISPOSAL AREA USE Mobile 102 -SW		QTY DEPOSITED GROSS(CY) 10,540		CUMULATIVE AND QTY DEPOSIT FOR DA(CY) 1,633,700								
		AVG LENGTH OF CUT 6,000 FT		AVG WIDTH OF CUT 400 FT		AVG DIST TO DUMP 27 NM												
CHARACTER OF MATERIAL		DENSITY OF MATERIALS						GMS/LITER 1.045										
		DENSITY OF WATER			1.006			GMS/LITER@ 86 °F										
RIVER/TIDE STAGE		MIN 0	TIME 00:00	MAX 0	TIME 00:00	GAGE LOCATION Dog River												
		MIN 1	TIME 00:00	MAX 0	TIME 00:00	GAGE DATUM MLLW												
WEATHER CONDITION		WEATHER			TEMP (min / max)		VISIBILITY		WIND									
		Weather Caused No Delay			74 °F / 91 °F		10		25									
DRAFT					DISTRIBUTION OF TIME AND MILES RUN													
FORWARD		LIGHT		LOADED				AGITATING (MIN)		DREDGE & HAUL (MIN)		MILES RUN (NAUT MI)						
		8		15		EFFECTIVE WORKING TIME:												
AFT		10		16		PUMPING:		00:00		01:45		0.0						
						TURNING:		00:00		00:00		0.0						
DRAG DEPTH MAX 49 MIN 44					TO DUMP:		00:00		10:38		0.0							
					CONNECTING:		00:00		00:00		0.0							
INDICATORS LAST CHECKED ON 07/19/2016					DUMPING:		00:00		00:50		0.0							
					DISCONNECTING:		00:00		00:00		0.0							
AVERAGE SPEED OF DREDGE DURING LOADING							FT/MIN		2		TO CUT:		00:00		10:47		0.0	
AVERAGE SPEED OF DREDGE DURING AGITATING							FT/MIN		0		TOTALS:		00:00		24:00		0.0	
GALLONS OF FUEL OIL CONSUMED							GAL		2,710		NON-EFFECTIVE WORKING TIME:							
GALLONS OF WATER CONSUMED							GAL		748		TAKING ON FUEL AND SUPPLIES:		00:00		00:00		0.0	
WORK PERFORMED											TO AND FROM WHARF OR ANCHORAGE:		00:00		00:00		0.0	
													LOSS DUE TO NATURAL ELEMENTS:		00:00		00:00	
DREDGING AND HAULING				AGITATING						LOSS DUE TO TRAFFIC AND BRIDGES		00:00		00:00		0.0		
NO. OF LOADS	TOTAL CYS	DISPOSAL AREA		TOTAL CYS						MINOR OPERATING REPAIRS:		00:00		00:00		0.0		
5	10,540	Mobile 102-SW		0						TRANSFERRING BETWEEN WORKS:		00:00		00:00		0.0		
										LAY TIME:		00:00		00:00		0.0		
										FIRE AND BOAT DRILLS:		00:00		00:00		0.0		
ATTENDANT PLANT											MISCELLANEOUS:		00:00		00:00		0.0	
													TOTALS:		00:00		00:00	
ITEM		NAME OR NUMBER		H.P.		HOURS		LOST TIME:										
40' Crewboat		Cape Anne		400		12:00												
										MAJOR REPAIRS AND ALTERATIONS:		00:00		00:00		0.0		
										CESSATION:		00:00		00:00		0.0		
										COLLISIONS:		00:00		00:00		0.0		
										TOTALS:		00:00		00:00		0.0		
										TOTAL TIME/MILES:		00:00		24:00		0.0		

QUALITY CONTROL REPORT-HOPPER DREDGE					PAGE NO. Page 354 of 494	
CONTRACT NO. W91278-16-D-0041 0001		CONTRACT TITLE IDIQ Rental Hopper Dredge in Mobile		CONTRACTOR Dutra Dredging Company		REPORT NO. 174
DREDGE		NAME AND TYPE M/V Columbia			DATE 24 Jul 2016 - Sunday	
LOADS						
LOAD NUMBER	DREDGING AREA DISPOSAL AREA		START TIME STOP TIME (HH:MM)	PUMPING TURNING (MIN)	TO DUMP DUMPING TO CUT (MIN)	TOTAL TIME DREDGED AMOUNT AGITATED AMOUNT (MIN/CYS)
1	Sta 820+00 to 880+00 Mobile 102-SW		00:00 00:25	25 0	168 10 18	221 2,635 0
2	Sta 820+00 to 880+00 Mobile 102-SW		03:41 04:06	25 0	155 19 174	373 2,635 0
3	Sta 820+00 to 880+00 Mobile 102-SW		09:54 10:21	27 0	152 4 154	337 2,635 0
4	Sta 820+00 to 880+00 Mobile 102-SW		15:31 15:58	27 0	163 17 170	377 2,635 0
5	Sta 820+00 to 880+00 Mobile 102-SW		21:48 21:49	1 0	0 0 131	132 0 0

QC NARRATIVE(S)

GENERAL COMMENTS

1440 Minutes @ 100%

QUALITY CONTROL REPORT-HOPPER DREDGE										PAGE NO. Page 355 of 494								
CONTRACT NO. W91278-16-D-0041 0001		CONTRACT TITLE IDIQ Rental Hopper Dredge in Mobile					CONTRACTOR Dutra Dredging Company			REPORT NO. 175								
CHARACTER OF REPORT		<input checked="" type="checkbox"/> MAINTENANCE <input type="checkbox"/> NEW WORK							DATE 25 Jul 2016 - Monday									
DREDGE (M/V Columbia)		HOPPER CAP: 4,387 CY		AVG VOL OF BIN WATER: 4,387 CY		AVG UNFILLED CAP: 4,387 CY												
		NO. OF CREW MEMBERS	DREDGE 13	OTHER PLANT 5	WORK SCHEDULE	SHIFTS PER DAY 2		DAYS PER WEEK 7										
LOCATION OF WORK		LOCATION CHANNEL Mobile Harbor		REACH DREDGED; STA TO STA Sta 820+00 to 880+00		DISPOSAL AREA USE Mobile 102 -SW		QTY DEPOSITED GROSS(CY) 10,540		CUMULATIVE AND QTY DEPOSIT FOR DA(CY) 1,644,240								
		AVG LENGTH OF CUT 6,000 FT		AVG WIDTH OF CUT 400 FT		AVG DIST TO DUMP 27 NM												
CHARACTER OF MATERIAL		DENSITY OF MATERIALS						GMS/LITER 1.045										
		DENSITY OF WATER			1.006			GMS/LITER@ 86 °F										
RIVER/TIDE STAGE		MIN 0	TIME 00:00	MAX 0	TIME 00:00	GAGE LOCATION Dog River												
		MIN 1	TIME 00:00	MAX 0	TIME 00:00	GAGE DATUM MLLW												
WEATHER CONDITION		WEATHER Weather Caused No Delay			TEMP (min / max) 77 °F / 92 °F		VISIBILITY 10		WIND 11									
DRAFT					DISTRIBUTION OF TIME AND MILES RUN													
FORWARD		LIGHT		LOADED				AGITATING (MIN)		DREDGE & HAUL (MIN)		MILES RUN (NAUT MI)						
		8		15		EFFECTIVE WORKING TIME:												
AFT		10		16		PUMPING:		00:00		01:49		0.0						
						TURNING:		00:00		00:00		0.0						
DRAG DEPTH MAX 49 MIN 44					TO DUMP:		00:00		11:08		0.0							
					CONNECTING:		00:00		00:00		0.0							
INDICATORS LAST CHECKED ON 07/19/2016					DUMPING:		00:00		00:28		0.0							
					DISCONNECTING:		00:00		00:00		0.0							
AVERAGE SPEED OF DREDGE DURING LOADING							FT/MIN		2		TO CUT:		00:00		10:35		0.0	
AVERAGE SPEED OF DREDGE DURING AGITATING							FT/MIN		0		TOTALS:		00:00		24:00		0.0	
GALLONS OF FUEL OIL CONSUMED							GAL		2,293		NON-EFFECTIVE WORKING TIME:							
GALLONS OF WATER CONSUMED							GAL		748		TAKING ON FUEL AND SUPPLIES:		00:00		00:00		0.0	
WORK PERFORMED											TO AND FROM WHARF OR ANCHORAGE:		00:00		00:00		0.0	
													LOSS DUE TO NATURAL ELEMENTS:		00:00		00:00	
DREDGING AND HAULING				AGITATING						LOSS DUE TO TRAFFIC AND BRIDGES		00:00		00:00		0.0		
NO. OF LOADS	TOTAL CYS	DISPOSAL AREA		TOTAL CYS						MINOR OPERATING REPAIRS:		00:00		00:00		0.0		
5	10,540	Mobile 102-SW		0						TRANSFERRING BETWEEN WORKS:		00:00		00:00		0.0		
										LAY TIME:		00:00		00:00		0.0		
										FIRE AND BOAT DRILLS:		00:00		00:00		0.0		
ATTENDANT PLANT											MISCELLANEOUS:		00:00		00:00		0.0	
													TOTALS:		00:00		00:00	
ITEM		NAME OR NUMBER		H.P.		HOURS		LOST TIME:										
40' Crewboat		Cape Anne		400		12:00												
										MAJOR REPAIRS AND ALTERATIONS:		00:00		00:00		0.0		
										CESSATION:		00:00		00:00		0.0		
										COLLISIONS:		00:00		00:00		0.0		
										TOTALS:		00:00		00:00		0.0		
										TOTAL TIME/MILES:		00:00		24:00		0.0		

QUALITY CONTROL REPORT-HOPPER DREDGE					PAGE NO. Page 356 of 494	
CONTRACT NO. W91278-16-D-0041 0001		CONTRACT TITLE IDIQ Rental Hopper Dredge in Mobile		CONTRACTOR Dutra Dredging Company		REPORT NO. 175
DREDGE		NAME AND TYPE M/V Columbia			DATE 25 Jul 2016 - Monday	
LOADS						
LOAD NUMBER	DREDGING AREA DISPOSAL AREA	START TIME STOP TIME (HH:MM)	PUMPING TURNING (MIN)	TO DUMP DUMPING TO CUT (MIN)	TOTAL TIME DREDGED AMOUNT AGITATED AMOUNT (MIN/CYS)	
1	Sta 820+00 to 880+00 Mobile 102-SW	00:00 00:25	25 0	152 10 30	217 2,635 0	
2	Sta 820+00 to 880+00 Mobile 102-SW	03:37 04:04	27 0	152 4 173	356 2,635 0	
3	Sta 820+00 to 880+00 Mobile 102-SW	09:33 10:01	28 0	181 10 183	402 2,635 0	
4	Sta 820+00 to 880+00 Mobile 102-SW	16:15 16:43	28 0	183 4 166	381 2,635 0	
5	Sta 820+00 to 880+00 Mobile 102-SW	22:36 22:37	1 0	0 0 83	84 0 0	
QC NARRATIVE(S)						
GENERAL COMMENTS						
1440 Minutes @ 100%						

QUALITY CONTROL REPORT-HOPPER DREDGE										PAGE NO. Page 357 of 494	
CONTRACT NO. W91278-16-D-0041 0001		CONTRACT TITLE IDIQ Rental Hopper Dredge in Mobile					CONTRACTOR Dutra Dredging Company			REPORT NO. 176	
CHARACTER OF REPORT		<input checked="" type="checkbox"/> MAINTENANCE <input type="checkbox"/> NEW WORK							DATE 26 Jul 2016 - Tuesday		
DREDGE (M/V Columbia)		HOPPER CAP: 4,387 CY		AVG VOL OF BIN WATER: 4,387 CY		AVG UNFILLED CAP: 4,387 CY					
		NO. OF CREW MEMBERS	DREDGE 13	OTHER PLANT 5	WORK SCHEDULE	SHIFTS PER DAY 2	DAYS PER WEEK 7				
LOCATION OF WORK		LOCATION CHANNEL Mobile Harbor	REACH DREDGED; STA TO STA Sta 820+00 to 880+00		DISPOSAL AREA USE Mobile 102 -SW		QTY DEPOSITED GROSS(CY) 7,905	CUMULATIVE AND QTY DEPOSIT FOR DA(CY) 1,652,145			
		AVG LENGTH OF CUT 6,000 FT		AVG WIDTH OF CUT 400 FT		AVG DIST TO DUMP 27 NM					
CHARACTER OF MATERIAL		DENSITY OF MATERIALS					GMS/LITER 1.045				
		DENSITY OF WATER			1.006		GMS/LITER@ 86 °F				
RIVER/TIDE STAGE		MIN 1	TIME 00:00	MAX 0	TIME 00:00	GAGE LOCATION Dog River					
		MIN 1	TIME 00:00	MAX 0	TIME 00:00	GAGE DATUM MLLW					
WEATHER CONDITION		WEATHER		TEMP (min / max)		VISIBILITY		WIND			
		Weather Caused Critical Delay		77 °F / 86 °F		10		34			
DRAFT					DISTRIBUTION OF TIME AND MILES RUN						
FORWARD		LIGHT		LOADED				AGITATING (MIN)	DREDGE & HAUL (MIN)	MILES RUN (NAUT MI)	
		8		15				EFFECTIVE WORKING TIME:			
AFT											
		10		16							
DRAG DEPTH MAX 49 MIN 44					PUMPING:		00:00	01:24	0.0		
INDICATORS LAST CHECKED ON 07/19/2016					TURNING:		00:00	00:18	0.0		
					TO DUMP:		00:00	09:27	0.0		
AVERAGE SPEED OF DREDGE DURING LOADING					CONNECTING:		00:00	00:00	0.0		
					DUMPING:		00:00	00:18	0.0		
AVERAGE SPEED OF DREDGE DURING AGITATING					DISCONNECTING:		00:00	00:00	0.0		
					TO CUT:		00:00	08:33	0.0		
GALLONS OF FUEL OIL CONSUMED					TOTALS:		00:00	20:00	0.0		
					NON-EFFECTIVE WORKING TIME:						
GALLONS OF WATER CONSUMED					TAKING ON FUEL AND SUPPLIES:		00:00	00:00	0.0		
					TO AND FROM WHARF OR ANCHORAGE:		00:00	00:00	0.0		
WORK PERFORMED					LOSS DUE TO NATURAL ELEMENTS:		00:00	04:00	0.0		
DREDGING AND HAULING				AGITATING		LOSS DUE TO TRAFFIC AND BRIDGES		00:00	00:00	0.0	
NO. OF LOADS	TOTAL CYS	DISPOSAL AREA		TOTAL CYS		MINOR OPERATING REPAIRS:		00:00	00:00	0.0	
4	7,905	Mobile 102-SW		0		TRANSFERRING BETWEEN WORKS:		00:00	00:00	0.0	
						LAY TIME:		00:00	00:00	0.0	
						FIRE AND BOAT DRILLS:		00:00	00:00	0.0	
ATTENDANT PLANT					MISCELLANEOUS:		00:00	00:00	0.0		
ITEM	NAME OR NUMBER		H.P.	HOURS	TOTALS:		00:00	04:00	0.0		
40' Crewboat	Cape Anne		400	12:00	LOST TIME:						
					MAJOR REPAIRS AND ALTERATIONS:		00:00	00:00	0.0		
					CESSATION:		00:00	00:00	0.0		
					COLLISIONS:		00:00	00:00	0.0		
					TOTALS:		00:00	00:00	0.0		
					TOTAL TIME/MILES:		00:00	24:00	0.0		

QUALITY CONTROL REPORT-HOPPER DREDGE					PAGE NO. Page 358 of 494	
CONTRACT NO. W91278-16-D-0041 0001		CONTRACT TITLE IDIQ Rental Hopper Dredge in Mobile		CONTRACTOR Dutra Dredging Company		REPORT NO. 176
DREDGE		NAME AND TYPE M/V Columbia			DATE 26 Jul 2016 - Tuesday	
LOADS						
LOAD NUMBER	DREDGING AREA DISPOSAL AREA	START TIME STOP TIME (HH:MM)	PUMPING TURNING (MIN)	TO DUMP DUMPING TO CUT (MIN)	TOTAL TIME DREDGED AMOUNT AGITATED AMOUNT (MIN/CYS)	
1	Sta 820+00 to 880+00 Mobile 102-SW	00:00 00:42	24 18	155 10 103	310 2,635 0	
2	Sta 820+00 to 880+00 Mobile 102-SW	05:10 05:40	30 0	217 4 146	397 2,635 0	
3	Sta 820+00 to 880+00 Mobile 102-SW	11:47 12:16	29 0	195 4 179	407 2,635 0	
4	Sta 820+00 to 880+00 Mobile 102-SW	18:34 18:35	1 0	0 0 85	86 0 0	
QC NARRATIVE(S)						
GENERAL COMMENTS						
1200 Minutes @ 100%						
240 Minutes @ 70%						

QUALITY CONTROL REPORT-HOPPER DREDGE										PAGE NO. Page 359 of 494	
CONTRACT NO. W91278-16-D-0041 0001		CONTRACT TITLE IDIQ Rental Hopper Dredge in Mobile					CONTRACTOR Dutra Dredging Company			REPORT NO. 177	
CHARACTER OF REPORT		<input checked="" type="checkbox"/> MAINTENANCE <input type="checkbox"/> NEW WORK							DATE 27 Jul 2016 - Wednesday		
DREDGE (M/V Columbia)		HOPPER CAP: 4,387 CY		AVG VOL OF BIN WATER: 4,387 CY		AVG UNFILLED CAP: 4,387 CY					
		NO. OF CREW MEMBERS	DREDGE 13	OTHER PLANT 5	WORK SCHEDULE	SHIFTS PER DAY 2	DAYS PER WEEK 7				
LOCATION OF WORK		LOCATION CHANNEL Mobile Harbor	REACH DREDGED; STA TO STA Sta 580+00 to 640+00		DISPOSAL AREA USE Mobile 102 -SW		QTY DEPOSITED GROSS(CY) 0	CUMULATIVE AND QTY DEPOSIT FOR DA(CY) 1,652,145			
		AVG LENGTH OF CUT 6,000 FT		AVG WIDTH OF CUT 400 FT		AVG DIST TO DUMP 32 NM					
CHARACTER OF MATERIAL		DENSITY OF MATERIALS						GMS/LITER 1.045			
		DENSITY OF WATER			1.006			GMS/LITER@ 86 °F			
RIVER/TIDE STAGE		MIN 0	TIME 00:00	MAX 0	TIME 00:00	GAGE LOCATION Dog River					
		MIN 0	TIME 00:00	MAX 0	TIME 00:00	GAGE DATUM MLLW					
WEATHER CONDITION		WEATHER		TEMP (min / max)		VISIBILITY		WIND			
		Weather Caused Critical Delay		78 °F / 89 °F		10		33			
DRAFT					DISTRIBUTION OF TIME AND MILES RUN						
FORWARD		LIGHT		LOADED				AGITATING (MIN)	DREDGE & HAUL (MIN)	MILES RUN (NAUT MI)	
		8		15				EFFECTIVE WORKING TIME:			
AFT											
		10		16							
DRAG DEPTH MAX 49 MIN 44					PUMPING:		00:00	00:25	0.0		
INDICATORS LAST CHECKED ON 07/19/2016					TURNING:		00:00	00:00	0.0		
					TO DUMP:		00:00	00:00	0.0		
AVERAGE SPEED OF DREDGE DURING LOADING					CONNECTING:		00:00	00:00	0.0		
					DUMPING:		00:00	00:00	0.0		
AVERAGE SPEED OF DREDGE DURING AGITATING					DISCONNECTING:		00:00	00:00	0.0		
					TO CUT:		00:00	02:38	0.0		
GALLONS OF FUEL OIL CONSUMED					TOTALS:		00:00	03:03	0.0		
					NON-EFFECTIVE WORKING TIME:						
GALLONS OF WATER CONSUMED					TAKING ON FUEL AND SUPPLIES:		00:00	10:41	0.0		
					TO AND FROM WHARF OR ANCHORAGE:		00:00	01:51	0.0		
WORK PERFORMED					LOSS DUE TO NATURAL ELEMENTS:		00:00	08:25	0.0		
DREDGING AND HAULING				AGITATING		LOSS DUE TO TRAFFIC AND BRIDGES		00:00	00:00	0.0	
NO. OF LOADS	TOTAL CYS	DISPOSAL AREA		TOTAL CYS		MINOR OPERATING REPAIRS:		00:00	00:00	0.0	
1	0	Mobile 102-SW		0		TRANSFERRING BETWEEN WORKS:		00:00	00:00	0.0	
						LAY TIME:		00:00	00:00	0.0	
						FIRE AND BOAT DRILLS:		00:00	00:00	0.0	
ATTENDANT PLANT					MISCELLANEOUS:		00:00	00:00	0.0		
ITEM	NAME OR NUMBER		H.P.	HOURS	TOTALS:		00:00	20:57	0.0		
40' Crewboat	Cape Anne		400	12:00	LOST TIME:						
					MAJOR REPAIRS AND ALTERATIONS:		00:00	00:00	0.0		
					CESSATION:		00:00	00:00	0.0		
					COLLISIONS:		00:00	00:00	0.0		
					TOTALS:		00:00	00:00	0.0		
					TOTAL TIME/MILES:		00:00	24:00	0.0		

QUALITY CONTROL REPORT-HOPPER DREDGE					PAGE NO. Page 360 of 494	
CONTRACT NO. W91278-16-D-0041 0001		CONTRACT TITLE IDIQ Rental Hopper Dredge in Mobile		CONTRACTOR Dutra Dredging Company		REPORT NO. 177
DREDGE		NAME AND TYPE M/V Columbia			DATE 27 Jul 2016 - Wednesday	
LOADS						
LOAD NUMBER	DREDGING AREA DISPOSAL AREA		START TIME STOP TIME (HH:MM)	PUMPING TURNING (MIN)	TO DUMP DUMPING TO CUT (MIN)	TOTAL TIME DREDGED AMOUNT AGITATED AMOUNT (MIN/CYS)
1	Sta 580+00 to 640+00 Mobile 102-SW		00:00 00:25	25 0	0 0 158	183 0 0
QC NARRATIVE(S) GENERAL COMMENTS 183 Minutes @ 100% 505 Minutes @ 70% 752 Minutes @ 0 %						

QUALITY CONTROL REPORT-HOPPER DREDGE										PAGE NO. Page 361 of 494	
CONTRACT NO. W91278-16-D-0041 0001		CONTRACT TITLE IDIQ Rental Hopper Dredge in Mobile					CONTRACTOR Dutra Dredging Company			REPORT NO. 178	
CHARACTER OF REPORT		<input checked="" type="checkbox"/> MAINTENANCE <input type="checkbox"/> NEW WORK							DATE 28 Jul 2016 - Thursday		
DREDGE (M/V Columbia)		HOPPER CAP: 4,387 CY		AVG VOL OF BIN WATER: 4,387 CY		AVG UNFILLED CAP: 4,387 CY					
		NO. OF CREW MEMBERS	DREDGE 13	OTHER PLANT 5	WORK SCHEDULE	SHIFTS PER DAY 2	DAYS PER WEEK 7				
LOCATION OF WORK		LOCATION CHANNEL Mobile Harbor	REACH DREDGED; STA TO STA Sta 580+00 to 640+00		DISPOSAL AREA USE Mobile 102 -SW		QTY DEPOSITED GROSS(CY) 7,905	CUMULATIVE AND QTY DEPOSIT FOR DA(CY) 1,660,050			
		AVG LENGTH OF CUT 6,000 FT		AVG WIDTH OF CUT 400 FT		AVG DIST TO DUMP 32 NM					
CHARACTER OF MATERIAL		DENSITY OF MATERIALS					GMS/LITER 1.045				
		DENSITY OF WATER			1.006		GMS/LITER@ 86 °F				
RIVER/TIDE STAGE		MIN 1	TIME 00:00	MAX 0	TIME 00:00	GAGE LOCATION Dog River					
		MIN 1	TIME 00:00	MAX 0	TIME 00:00	GAGE DATUM MLLW					
WEATHER CONDITION		WEATHER		TEMP (min / max)		VISIBILITY		WIND			
		Weather Caused Critical Delay		77 °F / 92 °F		10		10			
DRAFT					DISTRIBUTION OF TIME AND MILES RUN						
FORWARD		LIGHT		LOADED				AGITATING (MIN)	DREDGE & HAUL (MIN)	MILES RUN (NAUT MI)	
		8		15				EFFECTIVE WORKING TIME:			
AFT											
		10		16							
DRAG DEPTH MAX 49 MIN 44					PUMPING:		00:00	01:36	0.0		
INDICATORS LAST CHECKED ON 07/19/2016					TURNING:		00:00	00:00	0.0		
					TO DUMP:		00:00	09:43	0.0		
AVERAGE SPEED OF DREDGE DURING LOADING				FT/MIN	CONNECTING:		00:00	00:00	0.0		
				2	DUMPING:		00:00	00:18	0.0		
AVERAGE SPEED OF DREDGE DURING AGITATING				FT/MIN	DISCONNECTING:		00:00	00:00	0.0		
				0	TO CUT:		00:00	12:23	0.0		
GALLONS OF FUEL OIL CONSUMED				GAL	TOTALS:		00:00	24:00	0.0		
				3,469	NON-EFFECTIVE WORKING TIME:						
GALLONS OF WATER CONSUMED				GAL	TAKING ON FUEL AND SUPPLIES:		00:00	00:00	0.0		
				748	TO AND FROM WHARF OR ANCHORAGE:		00:00	00:00	0.0		
WORK PERFORMED					LOSS DUE TO NATURAL ELEMENTS:		00:00	00:00	0.0		
DREDGING AND HAULING				AGITATING		LOSS DUE TO TRAFFIC AND BRIDGES		00:00	00:00	0.0	
NO. OF LOADS	TOTAL CYS	DISPOSAL AREA		TOTAL CYS		MINOR OPERATING REPAIRS:		00:00	00:00	0.0	
4	7,905	Mobile 102-SW		0		TRANSFERRING BETWEEN WORKS:		00:00	00:00	0.0	
						LAY TIME:		00:00	00:00	0.0	
						FIRE AND BOAT DRILLS:		00:00	00:00	0.0	
ATTENDANT PLANT					MISCELLANEOUS:		00:00	00:00	0.0		
ITEM	NAME OR NUMBER		H.P.	HOURS	TOTALS:		00:00	00:00	0.0		
40' Crewboat	Cape Anne		400	12:00	LOST TIME:						
					MAJOR REPAIRS AND ALTERATIONS:		00:00	00:00	0.0		
					CESSATION:		00:00	00:00	0.0		
					COLLISIONS:		00:00	00:00	0.0		
					TOTALS:		00:00	00:00	0.0		
					TOTAL TIME/MILES:		00:00	24:00	0.0		

QUALITY CONTROL REPORT-HOPPER DREDGE					PAGE NO. Page 362 of 494	
CONTRACT NO. W91278-16-D-0041 0001		CONTRACT TITLE IDIQ Rental Hopper Dredge in Mobile		CONTRACTOR Dutra Dredging Company		REPORT NO. 178
DREDGE		NAME AND TYPE M/V Columbia			DATE 28 Jul 2016 - Thursday	
LOADS						
LOAD NUMBER	DREDGING AREA DISPOSAL AREA	START TIME STOP TIME (HH:MM)	PUMPING TURNING (MIN)	TO DUMP DUMPING TO CUT (MIN)	TOTAL TIME DREDGED AMOUNT AGITATED AMOUNT (MIN/CYS)	
1	Sta 580+00 to 640+00 Mobile 102-SW	00:00 00:01	1 0	186 10 0	197 2,635 0	
2	Sta 580+00 to 640+00 Mobile 102-SW	03:17 03:46	29 0	175 4 189	397 2,635 0	
3	Sta 580+00 to 640+00 Mobile 102-SW	09:54 10:25	31 0	184 4 212	431 2,635 0	
4	Sta 580+00 to 640+00 Mobile 102-SW	17:05 17:40	35 0	38 0 342	415 0 0	
QC NARRATIVE(S) GENERAL COMMENTS 1440 Minutes @ 100%						

QUALITY CONTROL REPORT-HOPPER DREDGE										PAGE NO. Page 363 of 494	
CONTRACT NO. W91278-16-D-0041 0001		CONTRACT TITLE IDIQ Rental Hopper Dredge in Mobile					CONTRACTOR Dutra Dredging Company			REPORT NO. 179	
CHARACTER OF REPORT		<input checked="" type="checkbox"/> MAINTENANCE <input type="checkbox"/> NEW WORK							DATE 29 Jul 2016 - Friday		
DREDGE (M/V Columbia)		HOPPER CAP: 4,387 CY		AVG VOL OF BIN WATER: 4,387 CY		AVG UNFILLED CAP: 4,387 CY					
		NO. OF CREW MEMBERS	DREDGE 13	OTHER PLANT 5	WORK SCHEDULE	SHIFTS PER DAY 2	DAYS PER WEEK 7				
LOCATION OF WORK		LOCATION CHANNEL Mobile Harbor	REACH DREDGED; STA TO STA Sta 580+00 to 640+00		DISPOSAL AREA USE Mobile 102 -SW		QTY DEPOSITED GROSS(CY) 7,905	CUMULATIVE AND QTY DEPOSIT FOR DA(CY) 1,667,955			
		AVG LENGTH OF CUT 6,000 FT		AVG WIDTH OF CUT 400 FT		AVG DIST TO DUMP 32 NM					
CHARACTER OF MATERIAL		DENSITY OF MATERIALS						GMS/LITER 1.045			
		DENSITY OF WATER			1.006			GMS/LITER@ 86 °F			
RIVER/TIDE STAGE		MIN 1	TIME 00:00	MAX 0	TIME 00:00	GAGE LOCATION Dog River					
		MIN 1	TIME 00:00	MAX 0	TIME 00:00	GAGE DATUM MLLW					
WEATHER CONDITION		WEATHER Weather Caused No Delay		TEMP (min / max) 75 °F / 91 °F		VISIBILITY 10		WIND 10			
DRAFT					DISTRIBUTION OF TIME AND MILES RUN						
FORWARD		LIGHT		LOADED				AGITATING (MIN)	DREDGE & HAUL (MIN)	MILES RUN (NAUT MI)	
		8		15				EFFECTIVE WORKING TIME:			
AFT											
		10		16							
DRAG DEPTH MAX 49 MIN 44					PUMPING:		00:00	01:30	0.0		
INDICATORS LAST CHECKED ON 07/19/2016					TURNING:		00:00	00:00	0.0		
					TO DUMP:		00:00	09:49	0.0		
AVERAGE SPEED OF DREDGE DURING LOADING					CONNECTING:		00:00	00:00	0.0		
					DUMPING:		00:00	00:24	0.0		
AVERAGE SPEED OF DREDGE DURING AGITATING					DISCONNECTING:		00:00	00:00	0.0		
					TO CUT:		00:00	12:17	0.0		
GALLONS OF FUEL OIL CONSUMED					TOTALS:		00:00	24:00	0.0		
					NON-EFFECTIVE WORKING TIME:						
GALLONS OF WATER CONSUMED					TAKING ON FUEL AND SUPPLIES:		00:00	00:00	0.0		
					TO AND FROM WHARF OR ANCHORAGE:		00:00	00:00	0.0		
WORK PERFORMED					LOSS DUE TO NATURAL ELEMENTS:		00:00	00:00	0.0		
DREDGING AND HAULING				AGITATING		LOSS DUE TO TRAFFIC AND BRIDGES		00:00	00:00	0.0	
NO. OF LOADS	TOTAL CYS	DISPOSAL AREA		TOTAL CYS		MINOR OPERATING REPAIRS:		00:00	00:00	0.0	
4	7,905	Mobile 102-SW		0		TRANSFERRING BETWEEN WORKS:		00:00	00:00	0.0	
						LAY TIME:		00:00	00:00	0.0	
						FIRE AND BOAT DRILLS:		00:00	00:00	0.0	
ATTENDANT PLANT					MISCELLANEOUS:		00:00	00:00	0.0		
ITEM	NAME OR NUMBER		H.P.	HOURS	TOTALS:		00:00	00:00	0.0		
40' Crewboat	Cape Anne		400	12:00	LOST TIME:						
					MAJOR REPAIRS AND ALTERATIONS:		00:00	00:00	0.0		
					CESSATION:		00:00	00:00	0.0		
					COLLISIONS:		00:00	00:00	0.0		
					TOTALS:		00:00	00:00	0.0		
					TOTAL TIME/MILES:		00:00	24:00	0.0		

QUALITY CONTROL REPORT-HOPPER DREDGE			PAGE NO. Page 364 of 494
CONTRACT NO. W91278-16-D-0041 0001	CONTRACT TITLE IDIQ Rental Hopper Dredge in Mobile	CONTRACTOR Dutra Dredging Company	REPORT NO. 179
DREDGE	NAME AND TYPE M/V Columbia		DATE 29 Jul 2016 - Friday

LOADS					
LOAD NUMBER	DREDGING AREA DISPOSAL AREA	START TIME STOP TIME (HH:MM)	PUMPING TURNING (MIN)	TO DUMP DUMPING TO CUT (MIN)	TOTAL TIME DREDGED AMOUNT AGITATED AMOUNT (MIN/CYS)
1	Sta 580+00 to 640+00 Mobile 102-SW	00:00 00:01	1 0	187 10 0	198 2,635 0
2	Sta 580+00 to 640+00 Mobile 102-SW	03:18 03:50	32 0	185 10 344	571 2,635 0
3	Sta 580+00 to 640+00 Mobile 102-SW	12:49 13:19	30 0	184 4 198	416 2,635 0
4	Sta 580+00 to 640+00 Mobile 102-SW	19:45 20:12	27 0	33 0 195	255 0 0

QC NARRATIVE(S)

GENERAL COMMENTS

1440 Minutes @ 100%

Had several Visitors from the Corp on the dredge today to observing dredging.

QUALITY CONTROL REPORT-HOPPER DREDGE										PAGE NO. Page 365 of 494										
CONTRACT NO. W91278-16-D-0041 0001		CONTRACT TITLE IDIQ Rental Hopper Dredge in Mobile					CONTRACTOR Dutra Dredging Company			REPORT NO. 180										
CHARACTER OF REPORT		<input checked="" type="checkbox"/> MAINTENANCE <input type="checkbox"/> NEW WORK							DATE 30 Jul 2016 - Saturday											
DREDGE (M/V Columbia)		HOPPER CAP: 4,387 CY		AVG VOL OF BIN WATER: 4,387 CY			AVG UNFILLED CAP: 4,387 CY													
		NO. OF CREW MEMBERS	DREDGE 13	OTHER PLANT 5		WORK SCHEDULE		SHIFTS PER DAY 2		DAYS PER WEEK 7										
LOCATION OF WORK		LOCATION CHANNEL Mobile Harbor		REACH DREDGED; STA TO STA Sta 580+00 to 640+00			DISPOSAL AREA USE Mobile 102 -SW		QTY DEPOSITED GROSS(CY) 7,905		CUMULATIVE AND QTY DEPOSIT FOR DA(CY) 1,675,860									
		AVG LENGTH OF CUT 6,000 FT			AVG WIDTH OF CUT 400 FT			AVG DIST TO DUMP 32 NM												
CHARACTER OF MATERIAL		DENSITY OF MATERIALS						GMS/LITER 1.045												
		DENSITY OF WATER				1.006		GMS/LITER@ 86 °F												
RIVER/TIDE STAGE		MIN 1	TIME 00:00	MAX 0	TIME 00:00	GAGE LOCATION Dog River														
		MIN 1	TIME 00:00	MAX 0	TIME 00:00	GAGE DATUM MLLW														
WEATHER CONDITION		WEATHER			TEMP (min / max)		VISIBILITY		WIND											
		Weather Caused No Delay			79 °F / 95 °F		10		28											
DRAFT					DISTRIBUTION OF TIME AND MILES RUN															
FORWARD		LIGHT		LOADED				AGITATING (MIN)		DREDGE & HAUL (MIN)		MILES RUN (NAUT MI)								
		8		15		EFFECTIVE WORKING TIME:														
AFT		10		16		PUMPING:		00:00		01:23		0.0								
						TURNING:		00:00		00:00		0.0								
DRAG DEPTH MAX 49 MIN 44					TO DUMP:		00:00		12:21		0.0									
					CONNECTING:		00:00		00:00		0.0									
INDICATORS LAST CHECKED ON 07/19/2016					DUMPING:		00:00		00:12		0.0									
					DISCONNECTING:		00:00		00:00		0.0									
AVERAGE SPEED OF DREDGE DURING LOADING							FT/MIN		2		TO CUT:		00:00		09:21		0.0			
AVERAGE SPEED OF DREDGE DURING AGITATING							FT/MIN		0		TOTALS:		00:00		23:17		0.0			
GALLONS OF FUEL OIL CONSUMED							GAL		3,177		NON-EFFECTIVE WORKING TIME:									
GALLONS OF WATER CONSUMED							GAL		935		TAKING ON FUEL AND SUPPLIES:		00:00		00:00		0.0			
WORK PERFORMED					DREDGING AND HAULING		AGITATING		TO AND FROM WHARF OR ANCHORAGE:		00:00		00:00		0.0					
									LOSS DUE TO NATURAL ELEMENTS:		00:00		00:00		0.0					
NO. OF LOADS		TOTAL CYS		DISPOSAL AREA		TOTAL CYS		LOSS DUE TO TRAFFIC AND BRIDGES		00:00		00:43		0.0						
4		7,905		Mobile 102-SW		0		MINOR OPERATING REPAIRS:		00:00		00:00		0.0						
								TRANSFERRING BETWEEN WORKS:		00:00		00:00		0.0						
								LAY TIME:		00:00		00:00		0.0						
								FIRE AND BOAT DRILLS:		00:00		00:00		0.0						
ATTENDANT PLANT					ITEM		NAME OR NUMBER		H.P.		HOURS		MISCELLANEOUS:		00:00		00:00		0.0	
													TOTALS:		00:00		00:43		0.0	
40' Crewboat					Cape Anne		400		12:00		LOST TIME:									
											MAJOR REPAIRS AND ALTERATIONS:		00:00		00:00		0.0			
											CESSATION:		00:00		00:00		0.0			
											COLLISIONS:		00:00		00:00		0.0			
											TOTALS:		00:00		00:00		0.0			
											TOTAL TIME/MILES:		00:00		24:00		0.0			

QUALITY CONTROL REPORT-HOPPER DREDGE			PAGE NO. Page 366 of 494
CONTRACT NO. W91278-16-D-0041 0001	CONTRACT TITLE IDIQ Rental Hopper Dredge in Mobile	CONTRACTOR Dutra Dredging Company	REPORT NO. 180
DREDGE	NAME AND TYPE M/V Columbia	DATE 30 Jul 2016 - Saturday	

LOADS					
LOAD NUMBER	DREDGING AREA DISPOSAL AREA	START TIME STOP TIME (HH:MM)	PUMPING TURNING (MIN)	TO DUMP DUMPING TO CUT (MIN)	TOTAL TIME DREDGED AMOUNT AGITATED AMOUNT (MIN/CYS)
1	Sta 580+00 to 640+00 Mobile 102-SW	00:00 00:01	1 0	166 4 0	171 2,635 0
2	Sta 580+00 to 640+00 Mobile 102-SW	02:51 03:20	29 0	184 4 171	388 2,635 0
3	Sta 580+00 to 640+00 Mobile 102-SW	09:19 09:47	28 0	180 4 185	397 2,635 0
4	Sta 580+00 to 640+00 Mobile 102-SW	16:39 17:04	25 0	211 0 205	441 0 0

QC NARRATIVE(S)

GENERAL COMMENTS

1397 Minutes @ 100%

43 Minutes @ 70% Traffic

QUALITY CONTROL REPORT-HOPPER DREDGE										PAGE NO. Page 367 of 494	
CONTRACT NO. W91278-16-D-0041 0001		CONTRACT TITLE IDIQ Rental Hopper Dredge in Mobile					CONTRACTOR Dutra Dredging Company			REPORT NO. 181	
CHARACTER OF REPORT		<input checked="" type="checkbox"/> MAINTENANCE <input type="checkbox"/> NEW WORK							DATE 31 Jul 2016 - Sunday		
DREDGE (M/V Columbia)		HOPPER CAP: 4,387 CY		AVG VOL OF BIN WATER: 4,387 CY		AVG UNFILLED CAP: 4,387 CY					
		NO. OF CREW MEMBERS	DREDGE 13	OTHER PLANT 5	WORK SCHEDULE	SHIFTS PER DAY 2	DAYS PER WEEK 7				
LOCATION OF WORK		LOCATION CHANNEL Mobile Harbor	REACH DREDGED; STA TO STA Sta 580+00 to 640+00		DISPOSAL AREA USE Mobile 102 -SW		QTY DEPOSITED GROSS(CY) 10,540	CUMULATIVE AND QTY DEPOSIT FOR DA(CY) 1,686,400			
		AVG LENGTH OF CUT 6,000 FT		AVG WIDTH OF CUT 400 FT		AVG DIST TO DUMP 32 NM					
CHARACTER OF MATERIAL		DENSITY OF MATERIALS						GMS/LITER 1.045			
		DENSITY OF WATER			1.006			GMS/LITER@ 86 °F			
RIVER/TIDE STAGE		MIN 1	TIME 00:00	MAX 0	TIME 00:00	GAGE LOCATION Dog River					
		MIN 1	TIME 00:00	MAX 0	TIME 00:00	GAGE DATUM MLLW					
WEATHER CONDITION		WEATHER		TEMP (min / max)		VISIBILITY		WIND			
		Weather Caused No Delay		76 °F / 92 °F		10		22			
DRAFT					DISTRIBUTION OF TIME AND MILES RUN						
FORWARD		LIGHT		LOADED				AGITATING (MIN)	DREDGE & HAUL (MIN)	MILES RUN (NAUT MI)	
		8		15				EFFECTIVE WORKING TIME:			
AFT											
		10		16							
DRAG DEPTH MAX 49 MIN 44					PUMPING:		00:00	02:01	0.0		
INDICATORS LAST CHECKED ON 07/19/2016					TURNING:		00:00	00:00	0.0		
					TO DUMP:		00:00	09:01	0.0		
AVERAGE SPEED OF DREDGE DURING LOADING					CONNECTING:		00:00	00:00	0.0		
					DUMPING:		00:00	00:19	0.0		
AVERAGE SPEED OF DREDGE DURING AGITATING					DISCONNECTING:		00:00	00:00	0.0		
					TO CUT:		00:00	12:39	0.0		
GALLONS OF FUEL OIL CONSUMED					TOTALS:		00:00	24:00	0.0		
					NON-EFFECTIVE WORKING TIME:						
GALLONS OF WATER CONSUMED					TAKING ON FUEL AND SUPPLIES:		00:00	00:00	0.0		
					TO AND FROM WHARF OR ANCHORAGE:		00:00	00:00	0.0		
WORK PERFORMED					LOSS DUE TO NATURAL ELEMENTS:		00:00	00:00	0.0		
DREDGING AND HAULING				AGITATING		LOSS DUE TO TRAFFIC AND BRIDGES		00:00	00:00	0.0	
NO. OF LOADS	TOTAL CYS	DISPOSAL AREA		TOTAL CYS		MINOR OPERATING REPAIRS:		00:00	00:00	0.0	
5	10,540	Mobile 102-SW		0		TRANSFERRING BETWEEN WORKS:		00:00	00:00	0.0	
						LAY TIME:		00:00	00:00	0.0	
						FIRE AND BOAT DRILLS:		00:00	00:00	0.0	
ATTENDANT PLANT					MISCELLANEOUS:		00:00	00:00	0.0		
ITEM	NAME OR NUMBER		H.P.	HOURS	TOTALS:		00:00	00:00	0.0		
40' Crewboat	Cape Anne		400	12:00	LOST TIME:						
					MAJOR REPAIRS AND ALTERATIONS:		00:00	00:00	0.0		
					CESSATION:		00:00	00:00	0.0		
					COLLISIONS:		00:00	00:00	0.0		
					TOTALS:		00:00	00:00	0.0		
					TOTAL TIME/MILES:		00:00	24:00	0.0		

QUALITY CONTROL REPORT-HOPPER DREDGE					PAGE NO. Page 368 of 494	
CONTRACT NO. W91278-16-D-0041 0001		CONTRACT TITLE IDIQ Rental Hopper Dredge in Mobile		CONTRACTOR Dutra Dredging Company		REPORT NO. 181
DREDGE		NAME AND TYPE M/V Columbia			DATE 31 Jul 2016 - Sunday	
LOADS						
LOAD NUMBER	DREDGING AREA DISPOSAL AREA	START TIME STOP TIME (HH:MM)	PUMPING TURNING (MIN)	TO DUMP DUMPING TO CUT (MIN)	TOTAL TIME DREDGED AMOUNT AGITATED AMOUNT (MIN/CYS)	
1	Sta 580+00 to 640+00 Mobile 102-SW	00:00 00:01	1 0	0 7 0	8 2,635 0	
2	Sta 580+00 to 640+00 Mobile 102-SW	00:08 00:36	28 0	181 4 174	387 2,635 0	
3	Sta 580+00 to 640+00 Mobile 102-SW	06:35 07:11	36 0	169 4 191	400 2,635 0	
4	Sta 580+00 to 640+00 Mobile 102-SW	13:15 13:41	26 0	181 4 211	422 2,635 0	
5	Sta 580+00 to 640+00 Mobile 102-SW	20:17 20:47	30 0	10 0 183	223 0 0	
QC NARRATIVE(S) GENERAL COMMENTS 1440 Minutes @ 100%						

QUALITY CONTROL REPORT-HOPPER DREDGE										PAGE NO. Page 369 of 494	
CONTRACT NO. W91278-16-D-0041 0001		CONTRACT TITLE IDIQ Rental Hopper Dredge in Mobile					CONTRACTOR Dutra Dredging Company			REPORT NO. 182	
CHARACTER OF REPORT		<input checked="" type="checkbox"/> MAINTENANCE <input type="checkbox"/> NEW WORK							DATE 01 Aug 2016 - Monday		
DREDGE (M/V Columbia)		HOPPER CAP: 4,387 CY		AVG VOL OF BIN WATER: 4,387 CY		AVG UNFILLED CAP: 4,387 CY					
		NO. OF CREW MEMBERS	DREDGE 13	OTHER PLANT 5	WORK SCHEDULE	SHIFTS PER DAY 2	DAYS PER WEEK 7				
LOCATION OF WORK		LOCATION CHANNEL Mobile Harbor	REACH DREDGED; STA TO STA Sta 580+00 to 640+00		DISPOSAL AREA USE Mobile 102 -SW		QTY DEPOSITED GROSS(CY) 7,905	CUMULATIVE AND QTY DEPOSIT FOR DA(CY) 1,694,305			
		AVG LENGTH OF CUT 6,000 FT		AVG WIDTH OF CUT 400 FT		AVG DIST TO DUMP 32 NM					
CHARACTER OF MATERIAL		DENSITY OF MATERIALS					GMS/LITER 1.045				
		DENSITY OF WATER			1.006		GMS/LITER@ 86 °F				
RIVER/TIDE STAGE		MIN 1	TIME 00:00	MAX 0	TIME 00:00	GAGE LOCATION Dog River					
		MIN 1	TIME 00:00	MAX 0	TIME 00:00	GAGE DATUM MLLW					
WEATHER CONDITION		WEATHER Weather Caused No Delay		TEMP (min / max) 76 °F / 93 °F		VISIBILITY 10		WIND 25			
DRAFT					DISTRIBUTION OF TIME AND MILES RUN						
FORWARD		LIGHT		LOADED				AGITATING (MIN)	DREDGE & HAUL (MIN)	MILES RUN (NAUT MI)	
		8		15		EFFECTIVE WORKING TIME:					
AFT		10		16		PUMPING: 00:00 01:25 0.0					
		TURNING: 00:00 00:00 0.0									
DRAG DEPTH MAX 49 MIN 44					TO DUMP: 00:00 12:46 0.0						
					CONNECTING: 00:00 00:00 0.0						
INDICATORS LAST CHECKED ON 07/19/2016					DUMPING: 00:00 00:18 0.0						
					DISCONNECTING: 00:00 00:00 0.0						
AVERAGE SPEED OF DREDGE DURING LOADING					FT/MIN 2		TO CUT: 00:00 09:31 0.0				
AVERAGE SPEED OF DREDGE DURING AGITATING					FT/MIN 0		TOTALS: 00:00 24:00 0.0				
GALLONS OF FUEL OIL CONSUMED					GAL 2,246		NON-EFFECTIVE WORKING TIME:				
GALLONS OF WATER CONSUMED					GAL 748		TAKING ON FUEL AND SUPPLIES: 00:00 00:00 0.0				
WORK PERFORMED					TO AND FROM WHARF OR ANCHORAGE: 00:00 00:00 0.0						
					LOSS DUE TO NATURAL ELEMENTS: 00:00 00:00 0.0						
DREDGING AND HAULING				AGITATING		LOSS DUE TO TRAFFIC AND BRIDGES 00:00 00:00 0.0					
NO. OF LOADS	TOTAL CYS	DISPOSAL AREA		TOTAL CYS		MINOR OPERATING REPAIRS: 00:00 00:00 0.0					
4	7,905	Mobile 102-SW		0		TRANSFERRING BETWEEN WORKS: 00:00 00:00 0.0					
						LAY TIME: 00:00 00:00 0.0					
						FIRE AND BOAT DRILLS: 00:00 00:00 0.0					
ATTENDANT PLANT					MISCELLANEOUS: 00:00 00:00 0.0						
					TOTALS: 00:00 00:00 0.0						
ITEM		NAME OR NUMBER		H.P.	HOURS	LOST TIME:					
40' Crewboat		Cape Anne		400	12:00	MAJOR REPAIRS AND ALTERATIONS: 00:00 00:00 0.0					
						CESSATION: 00:00 00:00 0.0					
						COLLISIONS: 00:00 00:00 0.0					
						TOTALS: 00:00 00:00 0.0					
						TOTAL TIME/MILES: 00:00 24:00 0.0					

QUALITY CONTROL REPORT-HOPPER DREDGE					PAGE NO. Page 370 of 494	
CONTRACT NO. W91278-16-D-0041 0001		CONTRACT TITLE IDIQ Rental Hopper Dredge in Mobile		CONTRACTOR Dutra Dredging Company		REPORT NO. 182
DREDGE		NAME AND TYPE M/V Columbia			DATE 01 Aug 2016 - Monday	
LOADS						
LOAD NUMBER	DREDGING AREA DISPOSAL AREA	START TIME STOP TIME (HH:MM)	PUMPING TURNING (MIN)	TO DUMP DUMPING TO CUT (MIN)	TOTAL TIME DREDGED AMOUNT AGITATED AMOUNT (MIN/CYS)	
1	Sta 580+00 to 640+00 Mobile 102-SW	00:00 00:01	1 0	189 10 0	200 2,635 0	
2	Sta 580+00 to 640+00 Mobile 102-SW	03:20 03:47	27 0	183 4 185	399 2,635 0	
3	Sta 580+00 to 640+00 Mobile 102-SW	09:59 10:24	25 0	181 4 182	392 2,635 0	
4	Sta 580+00 to 640+00 Mobile 102-SW	16:31 17:03	32 0	213 0 204	449 0 0	
QC NARRATIVE(S) GENERAL COMMENTS 1440 Minutes @ 100%						

QUALITY CONTROL REPORT-HOPPER DREDGE										PAGE NO. Page 371 of 494										
CONTRACT NO. W91278-16-D-0041 0001		CONTRACT TITLE IDIQ Rental Hopper Dredge in Mobile					CONTRACTOR Dutra Dredging Company			REPORT NO. 183										
CHARACTER OF REPORT		<input checked="" type="checkbox"/> MAINTENANCE <input type="checkbox"/> NEW WORK							DATE 02 Aug 2016 - Tuesday											
DREDGE (M/V Columbia)		HOPPER CAP: 4,387 CY		AVG VOL OF BIN WATER: 4,387 CY		AVG UNFILLED CAP: 4,387 CY														
		NO. OF CREW MEMBERS	DREDGE 13	OTHER PLANT 5	WORK SCHEDULE	SHIFTS PER DAY 2	DAYS PER WEEK 7													
LOCATION OF WORK		LOCATION CHANNEL Mobile Harbor		REACH DREDGED; STA TO STA Sta 580+00 to 640+00		DISPOSAL AREA USE Mobile 102 -SW		QTY DEPOSITED GROSS(CY) 10,540		CUMULATIVE AND QTY DEPOSIT FOR DA(CY) 1,704,845										
		AVG LENGTH OF CUT 6,000 FT		AVG WIDTH OF CUT 400 FT		AVG DIST TO DUMP 32 NM														
CHARACTER OF MATERIAL		DENSITY OF MATERIALS						GMS/LITER 1.045												
		DENSITY OF WATER			1.006			GMS/LITER@ 86 °F												
RIVER/TIDE STAGE		MIN 1	TIME 00:00	MAX 0	TIME 00:00	GAGE LOCATION Dog River														
		MIN 1	TIME 00:00	MAX 0	TIME 00:00	GAGE DATUM MLLW														
WEATHER CONDITION		WEATHER			TEMP (min / max)		VISIBILITY		WIND											
		Weather Caused No Delay			77 °F / 93 °F		10		17											
DRAFT					DISTRIBUTION OF TIME AND MILES RUN															
FORWARD		LIGHT		LOADED				AGITATING (MIN)		DREDGE & HAUL (MIN)		MILES RUN (NAUT MI)								
		8		15		EFFECTIVE WORKING TIME:														
AFT		10		16		PUMPING:		00:00		01:54		0.0								
						TURNING:		00:00		00:00		0.0								
DRAG DEPTH MAX 49 MIN 44					TO DUMP:		00:00		09:24		0.0									
					CONNECTING:		00:00		00:00		0.0									
INDICATORS LAST CHECKED ON 07/19/2016					DUMPING:		00:00		00:21		0.0									
					DISCONNECTING:		00:00		00:00		0.0									
AVERAGE SPEED OF DREDGE DURING LOADING							FT/MIN		2		TO CUT:		00:00		12:21		0.0			
AVERAGE SPEED OF DREDGE DURING AGITATING							FT/MIN		0		TOTALS:		00:00		24:00		0.0			
GALLONS OF FUEL OIL CONSUMED							GAL		2,652		NON-EFFECTIVE WORKING TIME:									
GALLONS OF WATER CONSUMED							GAL		1,309		TAKING ON FUEL AND SUPPLIES:		00:00		00:00		0.0			
WORK PERFORMED					DREDGING AND HAULING		AGITATING		LOSS DUE TO NATURAL ELEMENTS:		00:00		00:00		0.0					
					NO. OF LOADS		TOTAL CYS		DISPOSAL AREA		TOTAL CYS		LOSS DUE TO TRAFFIC AND BRIDGES		00:00		00:00		0.0	
5		10,540		Mobile 102-SW		0		MINOR OPERATING REPAIRS:		00:00		00:00		0.0						
								TRANSFERRING BETWEEN WORKS:		00:00		00:00		0.0						
								LAY TIME:		00:00		00:00		0.0						
								FIRE AND BOAT DRILLS:		00:00		00:00		0.0						
ATTENDANT PLANT					ITEM		NAME OR NUMBER		H.P.		HOURS		MISCELLANEOUS:		00:00		00:00		0.0	
					40' Crewboat		Cape Anne		400		12:00		TOTALS:		00:00		00:00		0.0	
					LOST TIME:															
					MAJOR REPAIRS AND ALTERATIONS:		00:00		00:00		0.0									
					CESSATION:		00:00		00:00		0.0									
					COLLISIONS:		00:00		00:00		0.0									
					TOTALS:		00:00		00:00		0.0									
					TOTAL TIME/MILES:		00:00		24:00		0.0									

QUALITY CONTROL REPORT-HOPPER DREDGE					PAGE NO. Page 372 of 494	
CONTRACT NO. W91278-16-D-0041 0001		CONTRACT TITLE IDIQ Rental Hopper Dredge in Mobile		CONTRACTOR Dutra Dredging Company		REPORT NO. 183
DREDGE		NAME AND TYPE M/V Columbia			DATE 02 Aug 2016 - Tuesday	
LOADS						
LOAD NUMBER	DREDGING AREA DISPOSAL AREA		START TIME STOP TIME (HH:MM)	PUMPING TURNING (MIN)	TO DUMP DUMPING TO CUT (MIN)	TOTAL TIME DREDGED AMOUNT AGITATED AMOUNT (MIN/CYS)
1	Sta 580+00 to 640+00 Mobile 102-SW		00:00 00:01	1 0	0 9 0	10 2,635 0
2	Sta 580+00 to 640+00 Mobile 102-SW		00:10 00:36	26 0	185 4 196	411 2,635 0
3	Sta 580+00 to 640+00 Mobile 102-SW		07:01 07:35	34 0	184 4 197	419 2,635 0
4	Sta 580+00 to 640+00 Mobile 102-SW		14:00 14:28	28 0	180 4 176	388 2,635 0
5	Sta 580+00 to 640+00 Mobile 102-SW		20:28 20:53	25 0	15 0 172	212 0 0

QC NARRATIVE(S)

GENERAL COMMENTS
1440 Minutes @ 100%

QUALITY CONTROL REPORT-HOPPER DREDGE										PAGE NO. Page 373 of 494	
CONTRACT NO. W91278-16-D-0041 0001		CONTRACT TITLE IDIQ Rental Hopper Dredge in Mobile					CONTRACTOR Dutra Dredging Company			REPORT NO. 184	
CHARACTER OF REPORT		<input checked="" type="checkbox"/> MAINTENANCE <input type="checkbox"/> NEW WORK							DATE 03 Aug 2016 - Wednesday		
DREDGE (M/V Columbia)		HOPPER CAP: 4,387 CY		AVG VOL OF BIN WATER: 4,387 CY		AVG UNFILLED CAP: 4,387 CY					
		NO. OF CREW MEMBERS	DREDGE 13	OTHER PLANT 5	WORK SCHEDULE	SHIFTS PER DAY 2	DAYS PER WEEK 7				
LOCATION OF WORK		LOCATION CHANNEL Mobile Harbor	REACH DREDGED; STA TO STA Sta 580+00 to 640+00		DISPOSAL AREA USE Mobile 102 -SW		QTY DEPOSITED GROSS(CY) 7,905	CUMULATIVE AND QTY DEPOSIT FOR DA(CY) 1,712,750			
		AVG LENGTH OF CUT 6,000 FT		AVG WIDTH OF CUT 400 FT		AVG DIST TO DUMP 32 NM					
CHARACTER OF MATERIAL		DENSITY OF MATERIALS					GMS/LITER 1.045				
		DENSITY OF WATER			1.006		GMS/LITER@ 86 °F				
RIVER/TIDE STAGE		MIN 1	TIME 00:00	MAX 0	TIME 00:00	GAGE LOCATION Dog River					
		MIN 1	TIME 00:00	MAX 0	TIME 00:00	GAGE DATUM MLLW					
WEATHER CONDITION		WEATHER		TEMP (min / max)		VISIBILITY		WIND			
		Weather Caused No Delay		76 °F / 95 °F		10		17			
DRAFT					DISTRIBUTION OF TIME AND MILES RUN						
FORWARD		LIGHT		LOADED				AGITATING (MIN)	DREDGE & HAUL (MIN)	MILES RUN (NAUT MI)	
		8		15				EFFECTIVE WORKING TIME:			
AFT											
		10		16							
DRAG DEPTH MAX 49 MIN 44					PUMPING:		00:00	00:58	0.0		
INDICATORS LAST CHECKED ON 07/19/2016					TURNING:		00:00	00:00	0.0		
					TO DUMP:		00:00	10:17	0.0		
AVERAGE SPEED OF DREDGE DURING LOADING					CONNECTING:		00:00	00:00	0.0		
					DUMPING:		00:00	00:24	0.0		
AVERAGE SPEED OF DREDGE DURING AGITATING					DISCONNECTING:		00:00	00:00	0.0		
					TO CUT:		00:00	12:21	0.0		
GALLONS OF FUEL OIL CONSUMED					TOTALS:		00:00	24:00	0.0		
					NON-EFFECTIVE WORKING TIME:						
GALLONS OF WATER CONSUMED					TAKING ON FUEL AND SUPPLIES:		00:00	00:00	0.0		
					TO AND FROM WHARF OR ANCHORAGE:		00:00	00:00	0.0		
WORK PERFORMED					LOSS DUE TO NATURAL ELEMENTS:		00:00	00:00	0.0		
DREDGING AND HAULING				AGITATING		LOSS DUE TO TRAFFIC AND BRIDGES		00:00	00:00	0.0	
NO. OF LOADS	TOTAL CYS	DISPOSAL AREA		TOTAL CYS		MINOR OPERATING REPAIRS:		00:00	00:00	0.0	
4	7,905	Mobile 102-SW		0		TRANSFERRING BETWEEN WORKS:		00:00	00:00	0.0	
						LAY TIME:		00:00	00:00	0.0	
						FIRE AND BOAT DRILLS:		00:00	00:00	0.0	
ATTENDANT PLANT					MISCELLANEOUS:		00:00	00:00	0.0		
ITEM	NAME OR NUMBER		H.P.	HOURS	TOTALS:		00:00	00:00	0.0		
40' Crewboat	Cape Anne		400	12:00	LOST TIME:						
					MAJOR REPAIRS AND ALTERATIONS:		00:00	00:00	0.0		
					CESSATION:		00:00	00:00	0.0		
					COLLISIONS:		00:00	00:00	0.0		
					TOTALS:		00:00	00:00	0.0		
					TOTAL TIME/MILES:		00:00	24:00	0.0		

QUALITY CONTROL REPORT-HOPPER DREDGE					PAGE NO. Page 374 of 494	
CONTRACT NO. W91278-16-D-0041 0001		CONTRACT TITLE IDIQ Rental Hopper Dredge in Mobile		CONTRACTOR Dutra Dredging Company		REPORT NO. 184
DREDGE		NAME AND TYPE M/V Columbia			DATE 03 Aug 2016 - Wednesday	
LOADS						
LOAD NUMBER	DREDGING AREA DISPOSAL AREA	START TIME STOP TIME (HH:MM)	PUMPING TURNING (MIN)	TO DUMP DUMPING TO CUT (MIN)	TOTAL TIME DREDGED AMOUNT AGITATED AMOUNT (MIN/CYS)	
1	Sta 580+00 to 640+00 Mobile 102-SW	00:00 00:01	1 0	184 10 0	195 2,635 0	
2	Sta 580+00 to 640+00 Mobile 102-SW	03:15 03:44	29 0	219 10 291	549 2,635 0	
3	Sta 580+00 to 640+00 Mobile 102-SW	12:24 12:51	27 0	214 4 283	528 2,635 0	
4	Sta 580+00 to 640+00 Mobile 102-SW	21:12 21:13	1 0	0 0 167	168 0 0	
QC NARRATIVE(S) GENERAL COMMENTS 1440 Minutes @ 100%						

QUALITY CONTROL REPORT-HOPPER DREDGE										PAGE NO. Page 375 of 494	
CONTRACT NO. W91278-16-D-0041 0001		CONTRACT TITLE IDIQ Rental Hopper Dredge in Mobile					CONTRACTOR Dutra Dredging Company			REPORT NO. 185	
CHARACTER OF REPORT		<input checked="" type="checkbox"/> MAINTENANCE <input type="checkbox"/> NEW WORK							DATE 04 Aug 2016 - Thursday		
DREDGE (M/V Columbia)		HOPPER CAP: 4,387 CY		AVG VOL OF BIN WATER: 4,387 CY		AVG UNFILLED CAP: 4,387 CY					
		NO. OF CREW MEMBERS	DREDGE 13	OTHER PLANT 5	WORK SCHEDULE	SHIFTS PER DAY 2	DAYS PER WEEK 7				
LOCATION OF WORK		LOCATION CHANNEL Mobile Harbor	REACH DREDGED; STA TO STA Sta 580+00 to 640+00		DISPOSAL AREA USE Mobile 102 -SW		QTY DEPOSITED GROSS(CY) 10,540	CUMULATIVE AND QTY DEPOSIT FOR DA(CY) 1,723,290			
		AVG LENGTH OF CUT 6,000 FT		AVG WIDTH OF CUT 400 FT		AVG DIST TO DUMP 32 NM					
CHARACTER OF MATERIAL		DENSITY OF MATERIALS						GMS/LITER 1.045			
		DENSITY OF WATER			1.006			GMS/LITER@ 86 °F			
RIVER/TIDE STAGE		MIN 0	TIME 00:00	MAX 0	TIME 00:00	GAGE LOCATION Dog River					
		MIN 2	TIME 00:00	MAX 0	TIME 00:00	GAGE DATUM MLLW					
WEATHER CONDITION		WEATHER Weather Caused No Delay		TEMP (min / max) 76 °F / 95 °F		VISIBILITY 10		WIND 17			
DRAFT					DISTRIBUTION OF TIME AND MILES RUN						
FORWARD		LIGHT		LOADED				AGITATING (MIN)	DREDGE & HAUL (MIN)	MILES RUN (NAUT MI)	
		8		15		EFFECTIVE WORKING TIME:					
AFT						PUMPING:					
		10		16		00:00		01:49	0.0		
DRAG DEPTH MAX 49 MIN 44					TURNING:		00:00		00:00	0.0	
INDICATORS LAST CHECKED ON 07/19/2016					TO DUMP:		00:00		12:40	0.0	
AVERAGE SPEED OF DREDGE DURING LOADING				FT/MIN	CONNECTING:		00:00		00:00	0.0	
				2	DUMPING:		00:00		00:16	0.0	
AVERAGE SPEED OF DREDGE DURING AGITATING				FT/MIN	DISCONNECTING:		00:00		00:00	0.0	
				0	TO CUT:		00:00		09:15	0.0	
GALLONS OF FUEL OIL CONSUMED				GAL	TOTALS:		00:00		24:00	0.0	
				2,501	NON-EFFECTIVE WORKING TIME:						
GALLONS OF WATER CONSUMED				GAL	TAKING ON FUEL AND SUPPLIES:		00:00		00:00	0.0	
				561	TO AND FROM WHARF OR ANCHORAGE:		00:00		00:00	0.0	
WORK PERFORMED					LOSS DUE TO NATURAL ELEMENTS:		00:00		00:00	0.0	
DREDGING AND HAULING				AGITATING		LOSS DUE TO TRAFFIC AND BRIDGES		00:00		00:00	0.0
NO. OF LOADS	TOTAL CYS	DISPOSAL AREA		TOTAL CYS		MINOR OPERATING REPAIRS:		00:00		00:00	0.0
5	10,540	Mobile 102-SW		0		TRANSFERRING BETWEEN WORKS:		00:00		00:00	0.0
						LAY TIME:		00:00		00:00	0.0
						FIRE AND BOAT DRILLS:		00:00		00:00	0.0
ATTENDANT PLANT					MISCELLANEOUS:		00:00		00:00	0.0	
ITEM	NAME OR NUMBER		H.P.	HOURS	TOTALS:		00:00		00:00	0.0	
40' Crewboat	Cape Anne		400	12:00	LOST TIME:						
					MAJOR REPAIRS AND ALTERATIONS:		00:00		00:00	0.0	
					CESSATION:		00:00		00:00	0.0	
					COLLISIONS:		00:00		00:00	0.0	
					TOTALS:		00:00		00:00	0.0	
					TOTAL TIME/MILES:		00:00		24:00	0.0	

QUALITY CONTROL REPORT-HOPPER DREDGE					PAGE NO. Page 376 of 494	
CONTRACT NO. W91278-16-D-0041 0001		CONTRACT TITLE IDIQ Rental Hopper Dredge in Mobile		CONTRACTOR Dutra Dredging Company		REPORT NO. 185
DREDGE		NAME AND TYPE M/V Columbia			DATE 04 Aug 2016 - Thursday	
LOADS						
LOAD NUMBER	DREDGING AREA DISPOSAL AREA	START TIME STOP TIME (HH:MM)	PUMPING TURNING (MIN)	TO DUMP DUMPING TO CUT (MIN)	TOTAL TIME DREDGED AMOUNT AGITATED AMOUNT (MIN/CYS)	
1	Sta 580+00 to 640+00 Mobile 102-SW	00:00 00:23	23 0	198 4 7	232 2,635 0	
2	Sta 580+00 to 640+00 Mobile 102-SW	03:52 04:23	31 0	196 4 169	400 2,635 0	
3	Sta 580+00 to 640+00 Mobile 102-SW	10:32 10:58	26 0	176 4 197	403 2,635 0	
4	Sta 580+00 to 640+00 Mobile 102-SW	17:15 17:43	28 0	190 4 181	403 2,635 0	
5	Sta 580+00 to 640+00 Mobile 102-SW	23:58 23:59	1 0	0 0 1	2 0 0	
QC NARRATIVE(S) GENERAL COMMENTS 1440 Minutes @ 100%						

QUALITY CONTROL REPORT-HOPPER DREDGE										PAGE NO. Page 377 of 494	
CONTRACT NO. W91278-16-D-0041 0001		CONTRACT TITLE IDIQ Rental Hopper Dredge in Mobile					CONTRACTOR Dutra Dredging Company			REPORT NO. 186	
CHARACTER OF REPORT		<input checked="" type="checkbox"/> MAINTENANCE <input type="checkbox"/> NEW WORK							DATE 05 Aug 2016 - Friday		
DREDGE (M/V Columbia)		HOPPER CAP: 4,387 CY		AVG VOL OF BIN WATER: 4,387 CY			AVG UNFILLED CAP: 4,387 CY				
		NO. OF CREW MEMBERS	DREDGE 13	OTHER PLANT 5	WORK SCHEDULE	SHIFTS PER DAY 2	DAYS PER WEEK 7				
LOCATION OF WORK		LOCATION CHANNEL Mobile Harbor	REACH DREDGED; STA TO STA Sta 580+00 to 640+00			DISPOSAL AREA USE Mobile 102 -SW	QTY DEPOSITED GROSS(CY) 10,540	CUMULATIVE AND QTY DEPOSIT FOR DA(CY) 1,733,830			
		AVG LENGTH OF CUT 6,000 FT		AVG WIDTH OF CUT 400 FT		AVG DIST TO DUMP 32 NM					
CHARACTER OF MATERIAL		DENSITY OF MATERIALS						GMS/LITER 1.045			
		DENSITY OF WATER			1.006			GMS/LITER@ 86 °F			
RIVER/TIDE STAGE		MIN 1	TIME 00:00	MAX 0	TIME 00:00	GAGE LOCATION Dog River					
		MIN 1	TIME 00:00	MAX 0	TIME 00:00	GAGE DATUM MLLW					
WEATHER CONDITION		WEATHER			TEMP (min / max)		VISIBILITY	WIND			
		Weather Caused No Delay			75 °F / 95 °F		10	25			
DRAFT					DISTRIBUTION OF TIME AND MILES RUN						
FORWARD	LIGHT		LOADED				AGITATING (MIN)	DREDGE & HAUL (MIN)	MILES RUN (NAUT MI)		
	8		15				EFFECTIVE WORKING TIME:				
AFT							PUMPING:				
	10		16				00:00	01:48	0.0		
DRAG DEPTH MAX 49 MIN 44							00:00	00:00	0.0		
							00:00	10:00	0.0		
INDICATORS LAST CHECKED ON 07/19/2016							00:00	00:00	0.0		
							00:00	00:38	0.0		
AVERAGE SPEED OF DREDGE DURING LOADING				FT/MIN			00:00	00:00	0.0		
				2			00:00	00:00	0.0		
AVERAGE SPEED OF DREDGE DURING AGITATING				FT/MIN			00:00	11:34	0.0		
				0			00:00	24:00	0.0		
GALLONS OF FUEL OIL CONSUMED				GAL			NON-EFFECTIVE WORKING TIME:				
				2,922			TAKING ON FUEL AND SUPPLIES:	00:00	00:00	0.0	
GALLONS OF WATER CONSUMED				GAL			TO AND FROM WHARF OR ANCHORAGE:	00:00	00:00	0.0	
				748			LOSS DUE TO NATURAL ELEMENTS:	00:00	00:00	0.0	
WORK PERFORMED							LOSS DUE TO TRAFFIC AND BRIDGES	00:00	00:00	0.0	
DREDGING AND HAULING			AGITATING				MINOR OPERATING REPAIRS:	00:00	00:00	0.0	
NO. OF LOADS	TOTAL CYS	DISPOSAL AREA	TOTAL CYS				TRANSFERRING BETWEEN WORKS:	00:00	00:00	0.0	
4	10,540	Mobile 102-SW	0				LAY TIME:	00:00	00:00	0.0	
							FIRE AND BOAT DRILLS:	00:00	00:00	0.0	
							MISCELLANEOUS:	00:00	00:00	0.0	
ATTENDANT PLANT							TOTALS:	00:00	00:00	0.0	
ITEM	NAME OR NUMBER		H.P.	HOURS			LOST TIME:				
40' Crewboat	Cape Anne		400	12:00							
							MAJOR REPAIRS AND ALTERATIONS:	00:00	00:00	0.0	
							CESSATION:	00:00	00:00	0.0	
							COLLISIONS:	00:00	00:00	0.0	
							TOTALS:	00:00	00:00	0.0	
							TOTAL TIME/MILES:	00:00	24:00	0.0	

QUALITY CONTROL REPORT-HOPPER DREDGE					PAGE NO. Page 378 of 494	
CONTRACT NO. W91278-16-D-0041 0001		CONTRACT TITLE IDIQ Rental Hopper Dredge in Mobile		CONTRACTOR Dutra Dredging Company		REPORT NO. 186
DREDGE		NAME AND TYPE M/V Columbia			DATE 05 Aug 2016 - Friday	
LOADS						
LOAD NUMBER	DREDGING AREA DISPOSAL AREA	START TIME STOP TIME (HH:MM)	PUMPING TURNING (MIN)	TO DUMP DUMPING TO CUT (MIN)	TOTAL TIME DREDGED AMOUNT AGITATED AMOUNT (MIN/CYS)	
1	Sta 580+00 to 640+0 Mobile 102-SW	00:00 00:25	25 0	192 4 165	386 2,635 0	
2	Sta 580+00 to 640+0 Mobile 102-SW	06:26 06:54	28 0	218 4 174	424 2,635 0	
3	Sta 580+00 to 640+0 Mobile 102-SW	13:30 13:58	28 0	183 30 173	414 2,635 0	
4	Sta 580+00 to 640+0 Mobile 102-SW	20:24 20:51	27 0	7 0 182	216 2,635 0	
QC NARRATIVE(S) GENERAL COMMENTS 1440 Minutes @ 100%						

QUALITY CONTROL REPORT-HOPPER DREDGE											PAGE NO. <div>Page 379 of 494</div>			
CONTRACT NO. W91278-16-D-0041 0001		CONTRACT TITLE IDIQ Rental Hopper Dredge in Mobile					CONTRACTOR Dutra Dredging Company				REPORT NO. 187			
CHARACTER OF REPORT		<input checked="" type="checkbox"/> MAINTENANCE <input type="checkbox"/> NEW WORK								DATE 06 Aug 2016 - Saturday				
DREDGE (M/V Columbia)		HOPPER CAP: 4,387 CY			AVG VOL OF BIN WATER: 4,387 CY			AVG UNFILLED CAP: 4,387 CY						
		NO. OF CREW MEMBERS	DREDGE 13		OTHER PLANT 5	WORK SCHEDULE	SHIFTS PER DAY 2		DAYS PER WEEK 7					
LOCATION OF WORK		LOCATION CHANNEL Mobile Harbor		REACH DREDGED; STA TO STA Sta 580+00 to 640+00		DISPOSAL AREA USE Mobile 102 -SW		QTY DEPOSITED GROSS(CY) 7,905		CUMULATIVE AND QTY DEPOSIT FOR DA(CY) 1,741,735				
		AVG LENGTH OF CUT 6,000 FT			AVG WIDTH OF CUT 400 FT			AVG DIST TO DUMP 32 NM						
CHARACTER OF MATERIAL		DENSITY OF MATERIALS							GMS/LITER 1.045					
		DENSITY OF WATER				1.006			GMS/LITER@ 86 °F					
RIVER/TIDE STAGE		MIN 1	TIME 00:00	MAX 0	TIME 00:00	GAGE LOCATION Dog River								
		MIN 1	TIME 00:00	MAX 0	TIME 00:00	GAGE DATUM MLLW								
WEATHER CONDITION		WEATHER Weather Caused No Delay			TEMP (min / max) 76 °F / 96 °F		VISIBILITY 10		WIND 40					
DRAFT					DISTRIBUTION OF TIME AND MILES RUN									
FORWARD		LIGHT		LOADED				AGITATING (MIN)		DREDGE & HAUL (MIN)		MILES RUN (NAUT MI)		
		8		15		EFFECTIVE WORKING TIME:								
AFT		10		16		PUMPING:		00:00		01:21		0.0		
						TURNING:		00:00		00:00		0.0		
DRAG DEPTH MAX 49 MIN 44					TO DUMP:		00:00		09:16		0.0			
INDICATORS LAST CHECKED ON 07/19/2016					CONNECTING:		00:00		00:00		0.0			
AVERAGE SPEED OF DREDGE DURING LOADING					FT/MIN 2		DUMPING:		00:00		00:38		0.0	
AVERAGE SPEED OF DREDGE DURING AGITATING					FT/MIN 0		DISCONNECTING:		00:00		00:00		0.0	
							TO CUT:		00:00		08:57		0.0	
GALLONS OF FUEL OIL CONSUMED					GAL 2,423		TOTALS:		00:00		20:12		0.0	
GALLONS OF WATER CONSUMED					GAL 748		NON-EFFECTIVE WORKING TIME:							
WORK PERFORMED					TAKING ON FUEL AND SUPPLIES:		00:00		00:00		0.0			
DREDGING AND HAULING			AGITATING		TO AND FROM WHARF OR ANCHORAGE:		00:00		00:00		0.0			
NO. OF LOADS	TOTAL CYS	DISPOSAL AREA		TOTAL CYS		LOSS DUE TO NATURAL ELEMENTS:		00:00		00:00		0.0		
4	7,905	Mobile 102-SW		0		LOSS DUE TO TRAFFIC AND BRIDGES		00:00		00:00		0.0		
						MINOR OPERATING REPAIRS:		00:00		03:48		0.0		
						TRANSFERRING BETWEEN WORKS:		00:00		00:00		0.0		
						LAY TIME:		00:00		00:00		0.0		
						FIRE AND BOAT DRILLS:		00:00		00:00		0.0		
ATTENDANT PLANT					MISCELLANEOUS:		00:00		00:00		0.0			
ITEM	NAME OR NUMBER			H.P.	HOURS	TOTALS:		00:00		03:48		0.0		
40' Crewboat	Cape Anne			400	12:00	LOST TIME:								
						MAJOR REPAIRS AND ALTERATIONS:		00:00		00:00		0.0		
						CESSATION:		00:00		00:00		0.0		
						COLLISIONS:		00:00		00:00		0.0		
						TOTALS:		00:00		00:00		0.0		
						TOTAL TIME/MILES:		00:00		24:00		0.0		

QUALITY CONTROL REPORT-HOPPER DREDGE			PAGE NO. Page 380 of 494
CONTRACT NO. W91278-16-D-0041 0001	CONTRACT TITLE IDIQ Rental Hopper Dredge in Mobile	CONTRACTOR Dutra Dredging Company	REPORT NO. 187
DREDGE	NAME AND TYPE M/V Columbia	DATE 06 Aug 2016 - Saturday	

LOADS					
LOAD NUMBER	DREDGING AREA DISPOSAL AREA	START TIME STOP TIME (HH:MM)	PUMPING TURNING (MIN)	TO DUMP DUMPING TO CUT (MIN)	TOTAL TIME DREDGED AMOUNT AGITATED AMOUNT (MIN/CYS)
1	Sta 580+00 to 640+00 Mobile 102-SW	00:00 00:01	1 0	187 4 0	192 2,635 0
2	Sta 580+00 to 640+00 Mobile 102-SW	03:12 03:39	27 0	196 30 168	421 2,635 0
3	Sta 580+00 to 640+00 Mobile 102-SW	10:13 10:39	26 0	168 4 196	394 2,635 0
4	Sta 580+00 to 640+00 Mobile 102-SW	18:17 18:44	27 0	5 0 173	205 0 0

QC NARRATIVE(S)

GENERAL COMMENTS

1212 Minutes @ 100%
228 Minutes @ 0% Minor Repairs -- Hydraulic Valve, Lost part of load 661.

QUALITY CONTROL REPORT-HOPPER DREDGE										PAGE NO. Page 381 of 494	
CONTRACT NO. W91278-16-D-0041 0001		CONTRACT TITLE IDIQ Rental Hopper Dredge in Mobile					CONTRACTOR Dutra Dredging Company			REPORT NO. 188	
CHARACTER OF REPORT		<input checked="" type="checkbox"/> MAINTENANCE <input type="checkbox"/> NEW WORK							DATE 07 Aug 2016 - Sunday		
DREDGE (M/V Columbia)		HOPPER CAP: 4,387 CY		AVG VOL OF BIN WATER: 4,387 CY		AVG UNFILLED CAP: 4,387 CY					
		NO. OF CREW MEMBERS	DREDGE 13	OTHER PLANT 5	WORK SCHEDULE	SHIFTS PER DAY 2	DAYS PER WEEK 7				
LOCATION OF WORK		LOCATION CHANNEL Mobile Harbor	REACH DREDGED; STA TO STA Sta 580+00 to 640+00		DISPOSAL AREA USE Mobile 102 -SW		QTY DEPOSITED GROSS(CY) 10,540	CUMULATIVE AND QTY DEPOSIT FOR DA(CY) 1,752,275			
		AVG LENGTH OF CUT 6,000 FT		AVG WIDTH OF CUT 400 FT		AVG DIST TO DUMP 32 NM					
CHARACTER OF MATERIAL		DENSITY OF MATERIALS						GMS/LITER 1.045			
		DENSITY OF WATER			1.006			GMS/LITER@ 86 °F			
RIVER/TIDE STAGE		MIN 0	TIME 00:00	MAX 0	TIME 00:00	GAGE LOCATION Dog River					
		MIN 1	TIME 00:00	MAX 0	TIME 00:00	GAGE DATUM MLLW					
WEATHER CONDITION		WEATHER		TEMP (min / max)		VISIBILITY		WIND			
		Weather Caused No Delay		75 °F / 94 °F		10		22			
DRAFT					DISTRIBUTION OF TIME AND MILES RUN						
FORWARD		LIGHT		LOADED				AGITATING (MIN)	DREDGE & HAUL (MIN)	MILES RUN (NAUT MI)	
		8		15				EFFECTIVE WORKING TIME:			
AFT											
		10		16							
DRAG DEPTH MAX 49 MIN 44					PUMPING:		00:00	01:19	0.0		
INDICATORS LAST CHECKED ON 07/19/2016					TURNING:		00:00	00:00	0.0		
					TO DUMP:		00:00	12:28	0.0		
AVERAGE SPEED OF DREDGE DURING LOADING				FT/MIN	CONNECTING:		00:00	00:00	0.0		
				2	DUMPING:		00:00	00:16	0.0		
AVERAGE SPEED OF DREDGE DURING AGITATING				FT/MIN	DISCONNECTING:		00:00	00:00	0.0		
				0	TO CUT:		00:00	09:57	0.0		
GALLONS OF FUEL OIL CONSUMED				GAL	TOTALS:		00:00	24:00	0.0		
				2,627	NON-EFFECTIVE WORKING TIME:						
GALLONS OF WATER CONSUMED				GAL	TAKING ON FUEL AND SUPPLIES:		00:00	00:00	0.0		
				561	TO AND FROM WHARF OR ANCHORAGE:		00:00	00:00	0.0		
WORK PERFORMED					LOSS DUE TO NATURAL ELEMENTS:		00:00	00:00	0.0		
DREDGING AND HAULING				AGITATING		LOSS DUE TO TRAFFIC AND BRIDGES		00:00	00:00	0.0	
NO. OF LOADS	TOTAL CYS	DISPOSAL AREA		TOTAL CYS		MINOR OPERATING REPAIRS:		00:00	00:00	0.0	
5	10,540	Mobile102-SW		0		TRANSFERRING BETWEEN WORKS:		00:00	00:00	0.0	
						LAY TIME:		00:00	00:00	0.0	
						FIRE AND BOAT DRILLS:		00:00	00:00	0.0	
ATTENDANT PLANT					MISCELLANEOUS:		00:00	00:00	0.0		
ITEM	NAME OR NUMBER		H.P.	HOURS	TOTALS:		00:00	00:00	0.0		
40' Crewboat	Cape Anne		400	12:00	LOST TIME:						
					MAJOR REPAIRS AND ALTERATIONS:		00:00	00:00	0.0		
					CESSATION:		00:00	00:00	0.0		
					COLLISIONS:		00:00	00:00	0.0		
					TOTALS:		00:00	00:00	0.0		
					TOTAL TIME/MILES:		00:00	24:00	0.0		

QUALITY CONTROL REPORT-HOPPER DREDGE					PAGE NO. Page 382 of 494	
CONTRACT NO. W91278-16-D-0041 0001		CONTRACT TITLE IDIQ Rental Hopper Dredge in Mobile		CONTRACTOR Dutra Dredging Company		REPORT NO. 188
DREDGE		NAME AND TYPE M/V Columbia			DATE 07 Aug 2016 - Sunday	
LOADS						
LOAD NUMBER	DREDGING AREA DISPOSAL AREA	START TIME STOP TIME (HH:MM)	PUMPING TURNING (MIN)	TO DUMP DUMPING TO CUT (MIN)	TOTAL TIME DREDGED AMOUNT AGITATED AMOUNT (MIN/CYS)	
1	Sta 580+00 to 640+00 Mobile102-SW	00:00 00:01	1 0	182 4 0	187 2,635 0	
2	Sta 580+00 to 640+00 Mobile102-SW	03:07 03:36	29 0	192 4 167	392 2,635 0	
3	Sta 580+00 to 640+00 Mobile102-SW	09:39 10:00	21 0	187 4 184	396 2,635 0	
4	Sta 580+00 to 640+00 Mobile102-SW	16:15 16:42	27 0	187 4 169	387 2,635 0	
5	Sta 580+00 to 640+00 Mobile102-SW	22:42 22:43	1 0	0 0 77	78 0 0	
QC NARRATIVE(S)						
GENERAL COMMENTS						
1440 Minutes @ 100%						

QUALITY CONTROL REPORT-HOPPER DREDGE										PAGE NO. Page 383 of 494	
CONTRACT NO. W91278-16-D-0041 0001		CONTRACT TITLE IDIQ Rental Hopper Dredge in Mobile					CONTRACTOR Dutra Dredging Company			REPORT NO. 189	
CHARACTER OF REPORT		<input checked="" type="checkbox"/> MAINTENANCE <input type="checkbox"/> NEW WORK							DATE 08 Aug 2016 - Monday		
DREDGE (M/V Columbia)		HOPPER CAP: 4,387 CY		AVG VOL OF BIN WATER: 4,387 CY		AVG UNFILLED CAP: 4,387 CY					
		NO. OF CREW MEMBERS	DREDGE 13	OTHER PLANT 5	WORK SCHEDULE	SHIFTS PER DAY 2	DAYS PER WEEK 7				
LOCATION OF WORK		LOCATION CHANNEL Mobile Harbor	REACH DREDGED; STA TO STA Sta 580+00 to 640+00		DISPOSAL AREA USE Mobile 102 -SW		QTY DEPOSITED GROSS(CY) 2,635	CUMULATIVE AND QTY DEPOSIT FOR DA(CY) 1,754,910			
		AVG LENGTH OF CUT 6,000 FT		AVG WIDTH OF CUT 400 FT		AVG DIST TO DUMP 32 NM					
CHARACTER OF MATERIAL		DENSITY OF MATERIALS					GMS/LITER 1.045				
		DENSITY OF WATER			1.006		GMS/LITER@ 86 °F				
RIVER/TIDE STAGE		MIN 1	TIME 00:00	MAX 0	TIME 00:00	GAGE LOCATION Dog River					
		MIN 0	TIME 00:00	MAX 0	TIME 00:00	GAGE DATUM MLLW					
WEATHER CONDITION		WEATHER Weather Caused No Delay		TEMP (min / max) 77 °F / 91 °F		VISIBILITY 10		WIND 23			
DRAFT					DISTRIBUTION OF TIME AND MILES RUN						
FORWARD	LIGHT		LOADED			AGITATING (MIN)	DREDGE & HAUL (MIN)	MILES RUN (NAUT MI)			
	8		15		EFFECTIVE WORKING TIME:						
AFT	10		16		PUMPING:	00:00	00:25	0.0			
					TURNING:	00:00	00:00	0.0			
DRAG DEPTH MAX 49 MIN 44					TO DUMP:	00:00	03:16	0.0			
					CONNECTING:	00:00	00:00	0.0			
INDICATORS LAST CHECKED ON 07/19/2016					DUMPING:	00:00	00:20	0.0			
					DISCONNECTING:	00:00	00:00	0.0			
AVERAGE SPEED OF DREDGE DURING LOADING				FT/MIN	2	TO CUT:	00:00	03:51	0.0		
AVERAGE SPEED OF DREDGE DURING AGITATING				FT/MIN	0	TOTALS:	00:00	07:52	0.0		
GALLONS OF FUEL OIL CONSUMED				GAL	800	NON-EFFECTIVE WORKING TIME:					
GALLONS OF WATER CONSUMED				GAL	561	TAKING ON FUEL AND SUPPLIES:	00:00	02:55	0.0		
WORK PERFORMED					TO AND FROM WHARF OR ANCHORAGE:	00:00	01:58	0.0			
DREDGING AND HAULING				AGITATING	LOSS DUE TO NATURAL ELEMENTS:	00:00	00:00	0.0			
NO. OF LOADS	TOTAL CYS	DISPOSAL AREA		TOTAL CYS	LOSS DUE TO TRAFFIC AND BRIDGES	00:00	00:00	0.0			
2	2,635	Mobile 102-SW		0	MINOR OPERATING REPAIRS:	00:00	11:15	0.0			
					TRANSFERRING BETWEEN WORKS:	00:00	00:00	0.0			
					LAY TIME:	00:00	00:00	0.0			
					FIRE AND BOAT DRILLS:	00:00	00:00	0.0			
ATTENDANT PLANT					MISCELLANEOUS:	00:00	00:00	0.0			
ITEM	NAME OR NUMBER		H.P.	HOURS	TOTALS:	00:00	16:08	0.0			
40' Crewboat	Cape Anne		400	12:00	LOST TIME:						
					MAJOR REPAIRS AND ALTERATIONS:	00:00	00:00	0.0			
					CESSATION:	00:00	00:00	0.0			
					COLLISIONS:	00:00	00:00	0.0			
					TOTALS:	00:00	00:00	0.0			
					TOTAL TIME/MILES:	00:00	24:00	0.0			

QUALITY CONTROL REPORT-HOPPER DREDGE			PAGE NO. Page 384 of 494
CONTRACT NO. W91278-16-D-0041 0001	CONTRACT TITLE IDIQ Rental Hopper Dredge in Mobile	CONTRACTOR Dutra Dredging Company	REPORT NO. 189
DREDGE	NAME AND TYPE M/V Columbia	DATE 08 Aug 2016 - Monday	

LOADS					
LOAD NUMBER	DREDGING AREA DISPOSAL AREA	START TIME STOP TIME (HH:MM)	PUMPING TURNING (MIN)	TO DUMP DUMPING TO CUT (MIN)	TOTAL TIME DREDGED AMOUNT AGITATED AMOUNT (MIN/CYS)
1	Sta 580+00 to 640+00 Mobile 102-SW	00:00	24	196	330
		00:24	0	20	2,635
				90	0
2	Sta 580+00 to 640+00 Mobile 102-SW	05:30	1	0	142
		05:31	0	0	0
				141	0

QC NARRATIVE(S)

GENERAL COMMENTS

472 Minutes @ 100%
968 Minutes @ 0%

QUALITY CONTROL REPORT-HOPPER DREDGE										PAGE NO. Page 385 of 494								
CONTRACT NO. W91278-16-D-0041 0001		CONTRACT TITLE IDIQ Rental Hopper Dredge in Mobile					CONTRACTOR Dutra Dredging Company			REPORT NO. 190								
CHARACTER OF REPORT		<input checked="" type="checkbox"/> MAINTENANCE <input type="checkbox"/> NEW WORK							DATE 09 Aug 2016 - Tuesday									
DREDGE (M/V Columbia)		HOPPER CAP: 4,387 CY		AVG VOL OF BIN WATER: 4,387 CY			AVG UNFILLED CAP: 4,387 CY											
		NO. OF CREW MEMBERS	DREDGE 13	OTHER PLANT 5	WORK SCHEDULE	SHIFTS PER DAY 2		DAYS PER WEEK 7										
LOCATION OF WORK		LOCATION CHANNEL Mobile Harbor		REACH DREDGED; STA TO STA Sta 580+00 to 640+00		DISPOSAL AREA USE Mobile 102 -SW		QTY DEPOSITED GROSS(CY) 10,540		CUMULATIVE AND QTY DEPOSIT FOR DA(CY) 1,765,450								
		AVG LENGTH OF CUT 6,000 FT			AVG WIDTH OF CUT 400 FT			AVG DIST TO DUMP 32 NM										
CHARACTER OF MATERIAL		DENSITY OF MATERIALS						GMS/LITER 1.045										
		DENSITY OF WATER			1.006			GMS/LITER@ 86 °F										
RIVER/TIDE STAGE		MIN 1	TIME 00:00	MAX 0	TIME 00:00	GAGE LOCATION Dog River												
		MIN 1	TIME 00:00	MAX 0	TIME 00:00	GAGE DATUM MLLW												
WEATHER CONDITION		WEATHER			TEMP (min / max)		VISIBILITY		WIND									
		Weather Caused No Delay			77 °F / 90 °F		10		17									
DRAFT					DISTRIBUTION OF TIME AND MILES RUN													
FORWARD		LIGHT		LOADED				AGITATING (MIN)		DREDGE & HAUL (MIN)		MILES RUN (NAUT MI)						
		8		15		EFFECTIVE WORKING TIME:												
AFT		10		16		PUMPING:		00:00		01:47		0.0						
						TURNING:		00:00		00:06		0.0						
DRAG DEPTH MAX 49 MIN 44					TO DUMP:		00:00		12:36		0.0							
					CONNECTING:		00:00		00:00		0.0							
INDICATORS LAST CHECKED ON 07/19/2016					DUMPING:		00:00		00:21		0.0							
					DISCONNECTING:		00:00		00:00		0.0							
AVERAGE SPEED OF DREDGE DURING LOADING							FT/MIN		2		TO CUT:		00:00		09:10		0.0	
AVERAGE SPEED OF DREDGE DURING AGITATING							FT/MIN		0		TOTALS:		00:00		24:00		0.0	
GALLONS OF FUEL OIL CONSUMED							GAL		2,741		NON-EFFECTIVE WORKING TIME:							
GALLONS OF WATER CONSUMED							GAL		748		TAKING ON FUEL AND SUPPLIES:		00:00		00:00		0.0	
WORK PERFORMED											TO AND FROM WHARF OR ANCHORAGE:		00:00		00:00		0.0	
													LOSS DUE TO NATURAL ELEMENTS:		00:00		00:00	
DREDGING AND HAULING											LOSS DUE TO TRAFFIC AND BRIDGES		00:00		00:00		0.0	
NO. OF LOADS		TOTAL CYS		DISPOSAL AREA		TOTAL CYS				MINOR OPERATING REPAIRS:		00:00		00:00		0.0		
5		10,540		Mobile 102-SW		0				TRANSFERRING BETWEEN WORKS:		00:00		00:00		0.0		
										LAY TIME:		00:00		00:00		0.0		
										FIRE AND BOAT DRILLS:		00:00		00:00		0.0		
ATTENDANT PLANT											MISCELLANEOUS:		00:00		00:00		0.0	
													TOTALS:		00:00		00:00	
ITEM		NAME OR NUMBER			H.P.		HOURS		LOST TIME:									
40' Crewboat		Cape Anne			400		12:00				MAJOR REPAIRS AND ALTERATIONS:		00:00		00:00		0.0	
											CESSATION:		00:00		00:00		0.0	
											COLLISIONS:		00:00		00:00		0.0	
											TOTALS:		00:00		00:00		0.0	
											TOTAL TIME/MILES:		00:00		24:00		0.0	

QUALITY CONTROL REPORT-HOPPER DREDGE					PAGE NO. Page 386 of 494	
CONTRACT NO. W91278-16-D-0041 0001		CONTRACT TITLE IDIQ Rental Hopper Dredge in Mobile		CONTRACTOR Dutra Dredging Company		REPORT NO. 190
DREDGE		NAME AND TYPE M/V Columbia			DATE 09 Aug 2016 - Tuesday	
LOADS						
LOAD NUMBER	DREDGING AREA DISPOSAL AREA		START TIME STOP TIME (HH:MM)	PUMPING TURNING (MIN)	TO DUMP DUMPING TO CUT (MIN)	TOTAL TIME DREDGED AMOUNT AGITATED AMOUNT (MIN/CYS)
1	Sta 580+00 to 640+00 Mobile 102-SW		00:00 00:28	22 6	187 4 31	250 2,635 0
2	Sta 580+00 to 640+00 Mobile 102-SW		04:10 04:40	30 0	187 9 166	392 2,635 0
3	Sta 580+00 to 640+00 Mobile 102-SW		10:42 11:12	30 0	190 4 181	405 2,635 0
4	Sta 580+00 to 640+00 Mobile 102-SW		17:27 17:51	24 0	192 4 167	387 2,635 0
5	Sta 580+00 to 640+00 Mobile 102-SW		23:54 23:55	1 0	0 0 5	6 0 0

QC NARRATIVE(S)

GENERAL COMMENTS
1440 Minutes @ 100%

QUALITY CONTROL REPORT-HOPPER DREDGE										PAGE NO. Page 387 of 494	
CONTRACT NO. W91278-16-D-0041 0001		CONTRACT TITLE IDIQ Rental Hopper Dredge in Mobile					CONTRACTOR Dutra Dredging Company			REPORT NO. 191	
CHARACTER OF REPORT		<input checked="" type="checkbox"/> MAINTENANCE <input type="checkbox"/> NEW WORK							DATE 10 Aug 2016 - Wednesday		
DREDGE (M/V Columbia)		HOPPER CAP: 4,387 CY		AVG VOL OF BIN WATER: 4,387 CY		AVG UNFILLED CAP: 4,387 CY					
		NO. OF CREW MEMBERS	DREDGE 13	OTHER PLANT 5	WORK SCHEDULE	SHIFTS PER DAY 2	DAYS PER WEEK 7				
LOCATION OF WORK		LOCATION CHANNEL Mobile Harbor	REACH DREDGED; STA TO STA Sta 580+00 to 640+00		DISPOSAL AREA USE Mobile 102 -SW		QTY DEPOSITED GROSS(CY) 7,905	CUMULATIVE AND QTY DEPOSIT FOR DA(CY) 1,773,355			
		AVG LENGTH OF CUT 6,000 FT		AVG WIDTH OF CUT 400 FT		AVG DIST TO DUMP 32 NM					
CHARACTER OF MATERIAL		DENSITY OF MATERIALS					GMS/LITER 1.045				
		DENSITY OF WATER			1.006		GMS/LITER@ 86 °F				
RIVER/TIDE STAGE		MIN 1	TIME 00:00	MAX 0	TIME 00:00	GAGE LOCATION Dog River					
		MIN 1	TIME 00:00	MAX 0	TIME 00:00	GAGE DATUM MLLW					
WEATHER CONDITION		WEATHER		TEMP (min / max)		VISIBILITY		WIND			
		Weather Caused Critical Delay		77 °F / 86 °F		10		25			
DRAFT					DISTRIBUTION OF TIME AND MILES RUN						
FORWARD		LIGHT		LOADED				AGITATING (MIN)	DREDGE & HAUL (MIN)	MILES RUN (NAUT MI)	
		8		15				EFFECTIVE WORKING TIME:			
AFT											
		10		16							
DRAG DEPTH MAX 49 MIN 44					PUMPING:		00:00	01:16	0.0		
INDICATORS LAST CHECKED ON 07/19/2016					TURNING:		00:00	00:00	0.0		
					TO DUMP:		00:00	10:13	0.0		
AVERAGE SPEED OF DREDGE DURING LOADING					CONNECTING:		00:00	00:00	0.0		
					DUMPING:		00:00	00:12	0.0		
AVERAGE SPEED OF DREDGE DURING AGITATING					DISCONNECTING:		00:00	00:00	0.0		
					TO CUT:		00:00	09:59	0.0		
GALLONS OF FUEL OIL CONSUMED					TOTALS:		00:00	21:40	0.0		
					NON-EFFECTIVE WORKING TIME:						
GALLONS OF WATER CONSUMED					TAKING ON FUEL AND SUPPLIES:		00:00	00:00	0.0		
					TO AND FROM WHARF OR ANCHORAGE:		00:00	00:00	0.0		
WORK PERFORMED					LOSS DUE TO NATURAL ELEMENTS:		00:00	02:20	0.0		
DREDGING AND HAULING				AGITATING		LOSS DUE TO TRAFFIC AND BRIDGES		00:00	00:00	0.0	
NO. OF LOADS	TOTAL CYS	DISPOSAL AREA		TOTAL CYS		MINOR OPERATING REPAIRS:		00:00	00:00	0.0	
4	7,905	Mobile 102-SW		0		TRANSFERRING BETWEEN WORKS:		00:00	00:00	0.0	
						LAY TIME:		00:00	00:00	0.0	
						FIRE AND BOAT DRILLS:		00:00	00:00	0.0	
ATTENDANT PLANT					MISCELLANEOUS:		00:00	00:00	0.0		
ITEM	NAME OR NUMBER		H.P.	HOURS	TOTALS:		00:00	02:20	0.0		
40' Crewboat	Cape Anne		400	12:00	LOST TIME:						
					MAJOR REPAIRS AND ALTERATIONS:		00:00	00:00	0.0		
					CESSATION:		00:00	00:00	0.0		
					COLLISIONS:		00:00	00:00	0.0		
					TOTALS:		00:00	00:00	0.0		
					TOTAL TIME/MILES:		00:00	24:00	0.0		

QUALITY CONTROL REPORT-HOPPER DREDGE					PAGE NO. Page 388 of 494	
CONTRACT NO. W91278-16-D-0041 0001		CONTRACT TITLE IDIQ Rental Hopper Dredge in Mobile		CONTRACTOR Dutra Dredging Company		REPORT NO. 191
DREDGE		NAME AND TYPE M/V Columbia			DATE 10 Aug 2016 - Wednesday	
LOADS						
LOAD NUMBER	DREDGING AREA DISPOSAL AREA	START TIME STOP TIME (HH:MM)	PUMPING TURNING (MIN)	TO DUMP DUMPING TO CUT (MIN)	TOTAL TIME DREDGED AMOUNT AGITATED AMOUNT (MIN/CYS)	
1	Sta 580+00 to 640+00 Mobile 102-SW	00:00 00:25	25 0	194 4 164	387 2,635 0	
2	Sta 580+00 to 640+00 Mobile 102-SW	06:27 06:53	26 0	210 4 183	423 2,635 0	
3	Sta 580+00 to 640+00 Mobile 102-SW	13:30 13:54	24 0	209 4 193	430 2,635 0	
4	Sta 580+00 to 640+00 Mobile 102-SW	20:40 20:41	1 0	0 0 59	60 0 0	
QC NARRATIVE(S) GENERAL COMMENTS 1300 Minutes @ 100% 140 Minutes @ 70% Weather						

QUALITY CONTROL REPORT-HOPPER DREDGE											PAGE NO. <div>Page 389 of 494</div>	
CONTRACT NO. W91278-16-D-0041 0001		CONTRACT TITLE IDIQ Rental Hopper Dredge in Mobile					CONTRACTOR Dutra Dredging Company				REPORT NO. 192	
CHARACTER OF REPORT		<input checked="" type="checkbox"/> MAINTENANCE <input type="checkbox"/> NEW WORK								DATE 11 Aug 2016 - Thursday		
DREDGE (M/V Columbia)		HOPPER CAP: 4,387 CY			AVG VOL OF BIN WATER: 4,387 CY			AVG UNFILLED CAP: 4,387 CY				
		NO. OF CREW MEMBERS	DREDGE 13		OTHER PLANT 5	WORK SCHEDULE	SHIFTS PER DAY 2		DAYS PER WEEK 7			
LOCATION OF WORK		LOCATION CHANNEL Mobile Harbor		REACH DREDGED; STA TO STA Sta 1108+00 to 1180+00			DISPOSAL AREA USE Mobile 102 -SW		QTY DEPOSITED GROSS(CY) 5,270	CUMULATIVE AND QTY DEPOSIT FOR DA(CY) 1,778,625		
		AVG LENGTH OF CUT 6,000 FT			AVG WIDTH OF CUT 400 FT			AVG DIST TO DUMP 23 NM				
CHARACTER OF MATERIAL		DENSITY OF MATERIALS							GMS/LITER 1.045			
		DENSITY OF WATER				1.006			GMS/LITER@ 86 °F			
RIVER/TIDE STAGE		MIN 1	TIME 00:00	MAX 0	TIME 00:00	GAGE LOCATION Dog River						
		MIN 1	TIME 00:00	MAX 0	TIME 00:00	GAGE DATUM MLLW						
WEATHER CONDITION		WEATHER			TEMP (min / max)		VISIBILITY		WIND			
		Weather Caused Critical Delay			77 °F / 86 °F		10		25			
DRAFT					DISTRIBUTION OF TIME AND MILES RUN							
FORWARD		LIGHT		LOADED				AGITATING (MIN)	DREDGE & HAUL (MIN)	MILES RUN (NAUT MI)		
		8		15								
AFT						EFFECTIVE WORKING TIME:						
		10		16		PUMPING:		00:00	00:58	0.0		
						TURNING:		00:00	00:00	0.0		
						TO DUMP:		00:00	04:30	0.0		
						CONNECTING:		00:00	00:00	0.0		
						DUMPING:		00:00	00:08	0.0		
						DISCONNECTING:		00:00	00:00	0.0		
						TO CUT:		00:00	04:56	0.0		
						TOTALS:		00:00	10:32	0.0		
DRAG DEPTH		MAX 49 MIN 44										
INDICATORS LAST CHECKED ON		07/19/2016										
AVERAGE SPEED OF DREDGE DURING LOADING				FT/MIN								
				2								
AVERAGE SPEED OF DREDGE DURING AGITATING				FT/MIN								
				0								
GALLONS OF FUEL OIL CONSUMED				GAL				NON-EFFECTIVE WORKING TIME:				
				1,920				TAKING ON FUEL AND SUPPLIES:				
GALLONS OF WATER CONSUMED				GAL				00:00		00:00	0.0	
				748				00:00		00:00	0.0	
WORK PERFORMED												
DREDGING AND HAULING				AGITATING								
NO. OF LOADS	TOTAL CYS	DISPOSAL AREA		TOTAL CYS								
3	5,270	Mobile 102-SW		0		LOSS DUE TO NATURAL ELEMENTS:						
								00:00	13:28	0.0		
								00:00	00:00	0.0		
								00:00	00:00	0.0		
								00:00	00:00	0.0		
								00:00	00:00	0.0		
								00:00	00:00	0.0		
ATTENDANT PLANT												
ITEM		NAME OR NUMBER		H.P.	HOURS							
40' Crewboat		Cape Anne		400	12:00	LOSS TIME:						
								00:00	00:00	0.0		
								00:00	00:00	0.0		
								00:00	00:00	0.0		
								00:00	00:00	0.0		
								00:00	00:00	0.0		
								00:00	24:00	0.0		
								00:00		0.0		

QUALITY CONTROL REPORT-HOPPER DREDGE			PAGE NO. Page 390 of 494
CONTRACT NO. W91278-16-D-0041 0001	CONTRACT TITLE IDIQ Rental Hopper Dredge in Mobile	CONTRACTOR Dutra Dredging Company	REPORT NO. 192
DREDGE	NAME AND TYPE M/V Columbia	DATE 11 Aug 2016 - Thursday	

LOADS					
LOAD NUMBER	DREDGING AREA DISPOSAL AREA	START TIME STOP TIME (HH:MM)	PUMPING TURNING (MIN)	TO DUMP DUMPING TO CUT (MIN)	TOTAL TIME DREDGED AMOUNT AGITATED AMOUNT (MIN/CYS)
1	Sta 1108+00 to 1180+00 Mobile 102-SW	00:00 00:28	28 0	129 4 78	239 2,635 0
2	Sta 1108+00 to 1180+00 Mobile 102-SW	09:49 10:18	29 0	141 4 142	316 2,635 0
3	Sta 1108+00 to 1180+00 Mobile 102-SW	15:05 15:06	1 0	0 0 76	77 0 0

QC NARRATIVE(S)

GENERAL COMMENTS

632 Minutes @ 100%
808 Minutes @ 70% Weather

QUALITY CONTROL REPORT-HOPPER DREDGE										PAGE NO. Page 391 of 494								
CONTRACT NO. W91278-16-D-0041 0001		CONTRACT TITLE IDIQ Rental Hopper Dredge in Mobile					CONTRACTOR Dutra Dredging Company			REPORT NO. 193								
CHARACTER OF REPORT		<input checked="" type="checkbox"/> MAINTENANCE <input type="checkbox"/> NEW WORK							DATE 12 Aug 2016 - Friday									
DREDGE (M/V Columbia)		HOPPER CAP: 4,387 CY		AVG VOL OF BIN WATER: 4,387 CY		AVG UNFILLED CAP: 4,387 CY												
		NO. OF CREW MEMBERS	DREDGE 13	OTHER PLANT 5	WORK SCHEDULE	SHIFTS PER DAY 2	DAYS PER WEEK 7											
LOCATION OF WORK		LOCATION CHANNEL Mobile Harbor		REACH DREDGED; STA TO STA Sta 1108+00 to 1180+00		DISPOSAL AREA USE Mobile 102 -SW		QTY DEPOSITED GROSS(CY) 10,540		CUMULATIVE AND QTY DEPOSIT FOR DA(CY) 1,789,165								
		AVG LENGTH OF CUT 6,000 FT		AVG WIDTH OF CUT 400 FT		AVG DIST TO DUMP 23 NM												
CHARACTER OF MATERIAL		DENSITY OF MATERIALS						GMS/LITER 1.045										
		DENSITY OF WATER			1.006			GMS/LITER@ 86 °F										
RIVER/TIDE STAGE		MIN 1	TIME 00:00	MAX 0	TIME 00:00	GAGE LOCATION Dog River												
		MIN 1	TIME 00:00	MAX 0	TIME 00:00	GAGE DATUM MLLW												
WEATHER CONDITION		WEATHER			TEMP (min / max)		VISIBILITY		WIND									
		Weather Caused Critical Delay			74 °F / 81 °F		10		36									
DRAFT					DISTRIBUTION OF TIME AND MILES RUN													
FORWARD		LIGHT		LOADED				AGITATING (MIN)		DREDGE & HAUL (MIN)		MILES RUN (NAUT MI)						
		8		15		EFFECTIVE WORKING TIME:												
AFT		10		16		PUMPING:		00:00		01:50		0.0						
						TURNING:		00:00		00:06		0.0						
DRAG DEPTH MAX 49 MIN 44					TO DUMP:		00:00		08:50		0.0							
					CONNECTING:		00:00		00:00		0.0							
INDICATORS LAST CHECKED ON 07/19/2016					DUMPING:		00:00		00:16		0.0							
					DISCONNECTING:		00:00		00:00		0.0							
AVERAGE SPEED OF DREDGE DURING LOADING							FT/MIN		2		TO CUT:		00:00		08:20		0.0	
AVERAGE SPEED OF DREDGE DURING AGITATING							FT/MIN		0		TOTALS:		00:00		19:22		0.0	
GALLONS OF FUEL OIL CONSUMED							GAL		1,707		NON-EFFECTIVE WORKING TIME:							
GALLONS OF WATER CONSUMED							GAL		561		TAKING ON FUEL AND SUPPLIES:		00:00		00:00		0.0	
WORK PERFORMED											TO AND FROM WHARF OR ANCHORAGE:		00:00		00:00		0.0	
													LOSS DUE TO NATURAL ELEMENTS:		00:00		04:28	
DREDGING AND HAULING				AGITATING						LOSS DUE TO TRAFFIC AND BRIDGES		00:00		00:10		0.0		
NO. OF LOADS	TOTAL CYS	DISPOSAL AREA		TOTAL CYS						MINOR OPERATING REPAIRS:		00:00		00:00		0.0		
4	10,540	Mobile 102-SW		0						TRANSFERRING BETWEEN WORKS:		00:00		00:00		0.0		
										LAY TIME:		00:00		00:00		0.0		
										FIRE AND BOAT DRILLS:		00:00		00:00		0.0		
ATTENDANT PLANT											MISCELLANEOUS:		00:00		00:00		0.0	
													TOTALS:		00:00		04:38	
ITEM		NAME OR NUMBER		H.P.		HOURS		LOST TIME:										
40' Crewboat		Cape Anne		400		12:00												
										MAJOR REPAIRS AND ALTERATIONS:		00:00		00:00		0.0		
										CESSATION:		00:00		00:00		0.0		
										COLLISIONS:		00:00		00:00		0.0		
										TOTALS:		00:00		00:00		0.0		
										TOTAL TIME/MILES:		00:00		24:00		0.0		

QUALITY CONTROL REPORT-HOPPER DREDGE					PAGE NO. Page 392 of 494	
CONTRACT NO. W91278-16-D-0041 0001		CONTRACT TITLE IDIQ Rental Hopper Dredge in Mobile		CONTRACTOR Dutra Dredging Company		REPORT NO. 193
DREDGE		NAME AND TYPE M/V Columbia			DATE 12 Aug 2016 - Friday	
LOADS						
LOAD NUMBER	DREDGING AREA DISPOSAL AREA	START TIME STOP TIME (HH:MM)	PUMPING TURNING (MIN)	TO DUMP DUMPING TO CUT (MIN)	TOTAL TIME DREDGED AMOUNT AGITATED AMOUNT (MIN/CYS)	
1	Sta 1108+00 to 1180+00 Mobile 102-SW	04:28 04:58	24 6	130 4 70	234 2,635 0	
2	Sta 1108+00 to 1180+00 Mobile 102-SW	08:22 08:51	29 0	143 4 128	304 2,635 0	
3	Sta 1108+00 to 1180+00 Mobile 102-SW	13:26 13:56	30 0	133 4 153	320 2,635 0	
4	Sta 1108+00 to 1180+00 Mobile 102-SW	18:56 19:23	27 0	124 4 149	304 2,635 0	
QC NARRATIVE(S) GENERAL COMMENTS 1162 Minutes @ 100% 278 Minutes @ 70% Weather and Traffic						

QUALITY CONTROL REPORT-HOPPER DREDGE										PAGE NO. Page 393 of 494	
CONTRACT NO. W91278-16-D-0041 0001		CONTRACT TITLE IDIQ Rental Hopper Dredge in Mobile					CONTRACTOR Dutra Dredging Company			REPORT NO. 194	
CHARACTER OF REPORT		<input checked="" type="checkbox"/> MAINTENANCE <input type="checkbox"/> NEW WORK							DATE 13 Aug 2016 - Saturday		
DREDGE (M/V Columbia)		HOPPER CAP: 4,387 CY		AVG VOL OF BIN WATER: 4,387 CY		AVG UNFILLED CAP: 4,387 CY					
		NO. OF CREW MEMBERS	DREDGE 13	OTHER PLANT 5	WORK SCHEDULE	SHIFTS PER DAY 2	DAYS PER WEEK 7				
LOCATION OF WORK		LOCATION CHANNEL Mobile Harbor	REACH DREDGED; STA TO STA Sta 1108+00 to 1180+00		DISPOSAL AREA USE Mobile 102 -SW		QTY DEPOSITED GROSS(CY) 10,540	CUMULATIVE AND QTY DEPOSIT FOR DA(CY) 1,799,705			
		AVG LENGTH OF CUT 6,000 FT		AVG WIDTH OF CUT 400 FT		AVG DIST TO DUMP 23 NM					
CHARACTER OF MATERIAL		DENSITY OF MATERIALS						GMS/LITER 1.045			
		DENSITY OF WATER			1.006			GMS/LITER@ 86 °F			
RIVER/TIDE STAGE		MIN 2	TIME 00:00	MAX 0	TIME 00:00	GAGE LOCATION Dog River					
		MIN 1	TIME 00:00	MAX 0	TIME 00:00	GAGE DATUM MLLW					
WEATHER CONDITION		WEATHER Weather Caused No Delay		TEMP (min / max) 74 °F / 85 °F		VISIBILITY 10		WIND 28			
DRAFT					DISTRIBUTION OF TIME AND MILES RUN						
FORWARD		LIGHT		LOADED				AGITATING (MIN)	DREDGE & HAUL (MIN)	MILES RUN (NAUT MI)	
		8		15		EFFECTIVE WORKING TIME:					
AFT		10		16		PUMPING: 00:00 02:31 0.0					
		TURNING: 00:00 00:00 0.0									
DRAG DEPTH MAX 49 MIN 44					TO DUMP: 00:00 10:01 0.0						
					CONNECTING: 00:00 00:00 0.0						
INDICATORS LAST CHECKED ON 07/19/2016					DUMPING: 00:00 00:16 0.0						
					DISCONNECTING: 00:00 00:00 0.0						
AVERAGE SPEED OF DREDGE DURING LOADING					FT/MIN 2		TO CUT: 00:00 11:12 0.0				
AVERAGE SPEED OF DREDGE DURING AGITATING					FT/MIN 0		TOTALS: 00:00 24:00 0.0				
GALLONS OF FUEL OIL CONSUMED					GAL 1,705		NON-EFFECTIVE WORKING TIME:				
GALLONS OF WATER CONSUMED					GAL 748		TAKING ON FUEL AND SUPPLIES: 00:00 00:00 0.0				
WORK PERFORMED					TO AND FROM WHARF OR ANCHORAGE: 00:00 00:00 0.0						
					LOSS DUE TO NATURAL ELEMENTS: 00:00 00:00 0.0						
DREDGING AND HAULING			AGITATING		LOSS DUE TO TRAFFIC AND BRIDGES 00:00 00:00 0.0						
NO. OF LOADS	TOTAL CYS	DISPOSAL AREA		TOTAL CYS		MINOR OPERATING REPAIRS: 00:00 00:00 0.0					
5	10,540	Mobile 102-SW		0		TRANSFERRING BETWEEN WORKS: 00:00 00:00 0.0					
						LAY TIME: 00:00 00:00 0.0					
						FIRE AND BOAT DRILLS: 00:00 00:00 0.0					
ATTENDANT PLANT					MISCELLANEOUS: 00:00 00:00 0.0						
					TOTALS: 00:00 00:00 0.0						
ITEM		NAME OR NUMBER		H.P.	HOURS	LOST TIME:					
40' Crewboat		Cape Anne		400	12:00	MAJOR REPAIRS AND ALTERATIONS: 00:00 00:00 0.0					
						CESSATION: 00:00 00:00 0.0					
						COLLISIONS: 00:00 00:00 0.0					
						TOTALS: 00:00 00:00 0.0					
						TOTAL TIME/MILES: 00:00 24:00 0.0					

QUALITY CONTROL REPORT-HOPPER DREDGE					PAGE NO. Page 394 of 494	
CONTRACT NO. W91278-16-D-0041 0001		CONTRACT TITLE IDIQ Rental Hopper Dredge in Mobile		CONTRACTOR Dutra Dredging Company		REPORT NO. 194
DREDGE		NAME AND TYPE M/V Columbia			DATE 13 Aug 2016 - Saturday	
LOADS						
LOAD NUMBER	DREDGING AREA DISPOSAL AREA	START TIME STOP TIME (HH:MM)	PUMPING TURNING (MIN)	TO DUMP DUMPING TO CUT (MIN)	TOTAL TIME DREDGED AMOUNT AGITATED AMOUNT (MIN/CYS)	
1	Sta 1108+00 to 1180+00 Mobile 102-SW	00:00 00:30	30 0	134 4 138	306 2,635 0	
2	Sta 1108+00 to 1180+00 Mobile 102-SW	05:06 05:35	29 0	121 4 133	287 2,635 0	
3	Sta 1108+00 to 1180+00 Mobile 102-SW	09:53 10:25	32 0	131 4 129	296 2,635 0	
4	Sta 1108+00 to 1180+00 Mobile 102-SW	14:49 15:20	31 0	130 4 144	309 2,635 0	
5	Sta 1108+00 to 1180+00 Mobile 102-SW	19:58 20:27	29 0	85 0 128	242 0 0	
QC NARRATIVE(S) GENERAL COMMENTS 1440 Minutes @ 100%						

QUALITY CONTROL REPORT-HOPPER DREDGE										PAGE NO. Page 395 of 494	
CONTRACT NO. W91278-16-D-0041 0001		CONTRACT TITLE IDIQ Rental Hopper Dredge in Mobile					CONTRACTOR Dutra Dredging Company			REPORT NO. 195	
CHARACTER OF REPORT		<input checked="" type="checkbox"/> MAINTENANCE <input type="checkbox"/> NEW WORK							DATE 14 Aug 2016 - Sunday		
DREDGE (M/V Columbia)		HOPPER CAP: 4,387 CY		AVG VOL OF BIN WATER: 4,387 CY			AVG UNFILLED CAP: 4,387 CY				
		NO. OF CREW MEMBERS	DREDGE 13	OTHER PLANT 5	WORK SCHEDULE	SHIFTS PER DAY 2	DAYS PER WEEK 7				
LOCATION OF WORK		LOCATION CHANNEL Mobile Harbor	REACH DREDGED; STA TO STA Sta 1108+00 to 1180+00			DISPOSAL AREA USE Mobile 102 -SW	QTY DEPOSITED GROSS(CY) 13,175	CUMULATIVE AND QTY DEPOSIT FOR DA(CY) 1,812,880			
		AVG LENGTH OF CUT 6,000 FT		AVG WIDTH OF CUT 400 FT		AVG DIST TO DUMP 23 NM					
CHARACTER OF MATERIAL		DENSITY OF MATERIALS						GMS/LITER 1.045			
		DENSITY OF WATER			1.006			GMS/LITER@ 86 °F			
RIVER/TIDE STAGE		MIN 1	TIME 00:00	MAX 0	TIME 00:00	GAGE LOCATION Dog River					
		MIN 1	TIME 00:00	MAX 0	TIME 00:00	GAGE DATUM MLLW					
WEATHER CONDITION		WEATHER Weather Caused No Delay			TEMP (min / max) 77 °F / 87 °F		VISIBILITY 10	WIND 34			
DRAFT					DISTRIBUTION OF TIME AND MILES RUN						
FORWARD	LIGHT		LOADED			AGITATING (MIN)	DREDGE & HAUL (MIN)	MILES RUN (NAUT MI)			
	8		15		EFFECTIVE WORKING TIME:						
AFT	10		16		PUMPING:	00:00	02:25	0.0			
DRAG DEPTH MAX 49 MIN 44 INDICATORS LAST CHECKED ON 07/19/2016 AVERAGE SPEED OF DREDGE DURING LOADING FT/MIN 2 AVERAGE SPEED OF DREDGE DURING AGITATING FT/MIN 0 GALLONS OF FUEL OIL CONSUMED GAL 3,146 GALLONS OF WATER CONSUMED GAL 672 WORK PERFORMED DREDGING AND HAULING AGITATING NO. OF LOADS TOTAL CYS DISPOSAL AREA TOTAL CYS 6 13,175 Mobile 102-SW 0 ATTENDANT PLANT ITEM NAME OR NUMBER H.P. HOURS 40' Crewboat Cape Anne 400 12:00					TURNING:	00:00	02:12	0.0			
					TO DUMP:	00:00	08:30	0.0			
					CONNECTING:	00:00	00:00	0.0			
					DUMPING:	00:00	02:16	0.0			
					DISCONNECTING:	00:00	00:00	0.0			
					TO CUT:	00:00	08:37	0.0			
					TOTALS:	00:00	24:00	0.0			
NON-EFFECTIVE WORKING TIME:											
TAKING ON FUEL AND SUPPLIES:					00:00	00:00	0.0				
TO AND FROM WHARF OR ANCHORAGE:					00:00	00:00	0.0				
LOSS DUE TO NATURAL ELEMENTS:					00:00	00:00	0.0				
LOSS DUE TO TRAFFIC AND BRIDGES					00:00	00:00	0.0				
MINOR OPERATING REPAIRS:					00:00	00:00	0.0				
TRANSFERRING BETWEEN WORKS:					00:00	00:00	0.0				
LAY TIME:					00:00	00:00	0.0				
FIRE AND BOAT DRILLS:					00:00	00:00	0.0				
MISCELLANEOUS:					00:00	00:00	0.0				
TOTALS:					00:00	00:00	0.0				
LOST TIME:											
MAJOR REPAIRS AND ALTERATIONS:					00:00	00:00	0.0				
CESSATION:					00:00	00:00	0.0				
COLLISIONS:					00:00	00:00	0.0				
TOTALS:					00:00	00:00	0.0				
TOTAL TIME/MILES:					00:00	24:00	0.0				

QUALITY CONTROL REPORT-HOPPER DREDGE			PAGE NO. Page 396 of 494
CONTRACT NO. W91278-16-D-0041 0001	CONTRACT TITLE IDIQ Rental Hopper Dredge in Mobile	CONTRACTOR Dutra Dredging Company	REPORT NO. 195
DREDGE	NAME AND TYPE M/V Columbia	DATE 14 Aug 2016 - Sunday	

LOADS					
LOAD NUMBER	DREDGING AREA DISPOSAL AREA	START TIME STOP TIME (HH:MM)	PUMPING TURNING (MIN)	TO DUMP DUMPING TO CUT (MIN)	TOTAL TIME DREDGED AMOUNT AGITATED AMOUNT (MIN/CYS)
1	Sta 1108+00 to 1180+00 Mobile 102-SW	00:00 00:01	1 0	42 4 0	47 2,635 0
2	Sta 1108+00 to 1180+00 Mobile 102-SW	00:47 01:19	32 0	127 4 134	297 2,635 0
3	Sta 1108+00 to 1180+00 Mobile 102-SW	05:44 08:24	28 132	22 120 0	302 2,635 0
4	Sta 1108+00 to 1180+00 Mobile 102-SW	10:46 11:17	31 0	125 4 128	288 2,635 0
5	Sta 1108+00 to 1180+00 Mobile 102-SW	15:34 16:01	27 0	125 4 132	288 2,635 0
6	Sta 1108+00 to 1180+00 Mobile 102-SW	20:22 20:48	26 0	69 0 123	218 0 0

QC NARRATIVE(S)

GENERAL COMMENTS

1440 Minutes @ 100%

QUALITY CONTROL REPORT-HOPPER DREDGE										PAGE NO. Page 397 of 494	
CONTRACT NO. W91278-16-D-0041 0001		CONTRACT TITLE IDIQ Rental Hopper Dredge in Mobile					CONTRACTOR Dutra Dredging Company			REPORT NO. 196	
CHARACTER OF REPORT		<input checked="" type="checkbox"/> MAINTENANCE <input type="checkbox"/> NEW WORK							DATE 15 Aug 2016 - Monday		
DREDGE (M/V Columbia)		HOPPER CAP: 4,387 CY		AVG VOL OF BIN WATER: 4,387 CY		AVG UNFILLED CAP: 4,387 CY					
		NO. OF CREW MEMBERS	DREDGE 13	OTHER PLANT 5	WORK SCHEDULE	SHIFTS PER DAY 2	DAYS PER WEEK 7				
LOCATION OF WORK		LOCATION CHANNEL Mobile Harbor	REACH DREDGED; STA TO STA Sta 1108+00 to 1180+00		DISPOSAL AREA USE Mobile 102 -SW		QTY DEPOSITED GROSS(CY) 13,175	CUMULATIVE AND QTY DEPOSIT FOR DA(CY) 1,826,055			
		AVG LENGTH OF CUT 6,000 FT		AVG WIDTH OF CUT 400 FT		AVG DIST TO DUMP 23 NM					
CHARACTER OF MATERIAL		DENSITY OF MATERIALS						GMS/LITER 1.045			
		DENSITY OF WATER			1.006			GMS/LITER@ 86 °F			
RIVER/TIDE STAGE		MIN 2	TIME 00:00	MAX 0	TIME 00:00	GAGE LOCATION Dog River					
		MIN 1	TIME 00:00	MAX 0	TIME 00:00	GAGE DATUM MLLW					
WEATHER CONDITION		WEATHER Weather Caused No Delay		TEMP (min / max) 78 °F / 87 °F		VISIBILITY 10		WIND 25			
DRAFT					DISTRIBUTION OF TIME AND MILES RUN						
FORWARD	LIGHT		LOADED				AGITATING (MIN)	DREDGE & HAUL (MIN)	MILES RUN (NAUT MI)		
	8		15								
AFT					EFFECTIVE WORKING TIME:						
	10		16		PUMPING:		00:00	02:23	0.0		
DRAG DEPTH MAX 49 MIN 44					TURNING:		00:00	00:00	0.0		
					TO DUMP:		00:00	09:31	0.0		
INDICATORS LAST CHECKED ON 07/19/2016					CONNECTING:		00:00	00:00	0.0		
					DUMPING:		00:00	00:51	0.0		
AVERAGE SPEED OF DREDGE DURING LOADING					DISCONNECTING:		00:00	00:00	0.0		
AVERAGE SPEED OF DREDGE DURING AGITATING					TO CUT:		00:00	11:15	0.0		
GALLONS OF FUEL OIL CONSUMED					TOTALS:		00:00	24:00	0.0		
GALLONS OF WATER CONSUMED			560		NON-EFFECTIVE WORKING TIME:						
WORK PERFORMED					TAKING ON FUEL AND SUPPLIES:		00:00	00:00	0.0		
					TO AND FROM WHARF OR ANCHORAGE:		00:00	00:00	0.0		
DREDGING AND HAULING					LOSS DUE TO NATURAL ELEMENTS:		00:00	00:00	0.0		
					LOSS DUE TO TRAFFIC AND BRIDGES		00:00	00:00	0.0		
NO. OF LOADS	TOTAL CYS	DISPOSAL AREA	TOTAL CYS		MINOR OPERATING REPAIRS:		00:00	00:00	0.0		
6	13,175	Mobile 102-SW	0		TRANSFERRING BETWEEN WORKS:		00:00	00:00	0.0		
					LAY TIME:		00:00	00:00	0.0		
					FIRE AND BOAT DRILLS:		00:00	00:00	0.0		
ATTENDANT PLANT					MISCELLANEOUS:		00:00	00:00	0.0		
					TOTALS:		00:00	00:00	0.0		
ITEM	NAME OR NUMBER		H.P.	HOURS	LOST TIME:						
40' Crewboat	Cape Anne		400	12:00	MAJOR REPAIRS AND ALTERATIONS:		00:00	00:00	0.0		
					CESSATION:		00:00	00:00	0.0		
					COLLISIONS:		00:00	00:00	0.0		
					TOTALS:		00:00	00:00	0.0		
					TOTAL TIME/MILES:		00:00	24:00	0.0		

QUALITY CONTROL REPORT-HOPPER DREDGE			PAGE NO. Page 398 of 494
CONTRACT NO. W91278-16-D-0041 0001	CONTRACT TITLE IDIQ Rental Hopper Dredge in Mobile	CONTRACTOR Dutra Dredging Company	REPORT NO. 196
DREDGE	NAME AND TYPE M/V Columbia		DATE 15 Aug 2016 - Monday

LOADS					
LOAD NUMBER	DREDGING AREA DISPOSAL AREA	START TIME STOP TIME (HH:MM)	PUMPING TURNING (MIN)	TO DUMP DUMPING TO CUT (MIN)	TOTAL TIME DREDGED AMOUNT AGITATED AMOUNT (MIN/CYS)
1	Sta 1108+00 to 1180+00 Mobile 102-SW	00:00 00:01	1 0	69 4 0	74 2,635 0
2	Sta 1108+00 to 1180+00 Mobile 102-SW	01:14 01:45	31 0	124 15 143	313 2,635 0
3	Sta 1108+00 to 1180+00 Mobile 102-SW	06:27 06:54	27 0	118 6 133	284 2,635 0
4	Sta 1108+00 to 1180+00 Mobile 102-SW	11:11 11:38	27 0	123 4 127	281 2,635 0
5	Sta 1108+00 to 1180+00 Mobile 102-SW	15:52 16:23	31 0	129 22 147	329 2,635 0
6	Sta 1108+00 to 1180+00 Mobile 102-SW	21:21 21:47	26 0	8 0 125	159 0 0

QC NARRATIVE(S)

GENERAL COMMENTS

1440 Minutes @ 100%

QUALITY CONTROL REPORT-HOPPER DREDGE											PAGE NO. <div>Page 399 of 494</div>	
CONTRACT NO. W91278-16-D-0041 0001		CONTRACT TITLE IDIQ Rental Hopper Dredge in Mobile					CONTRACTOR Dutra Dredging Company				REPORT NO. 197	
CHARACTER OF REPORT		<input checked="" type="checkbox"/> MAINTENANCE <input type="checkbox"/> NEW WORK								DATE 16 Aug 2016 - Tuesday		
DREDGE (M/V Columbia)		HOPPER CAP: 4,387 CY			AVG VOL OF BIN WATER: 4,387 CY			AVG UNFILLED CAP: 4,387 CY				
		NO. OF CREW MEMBERS	DREDGE 13		OTHER PLANT 5	WORK SCHEDULE	SHIFTS PER DAY 2	DAYS PER WEEK 7				
LOCATION OF WORK		LOCATION CHANNEL Mobile Harbor		REACH DREDGED; STA TO STA Sta 1108+00 to 1180+00		DISPOSAL AREA USE Mobile 102 -SW		QTY DEPOSITED GROSS(CY) 10,540	CUMULATIVE AND QTY DEPOSIT FOR DA(CY) 1,836,595			
		AVG LENGTH OF CUT 6,000 FT			AVG WIDTH OF CUT 400 FT			AVG DIST TO DUMP 23 NM				
CHARACTER OF MATERIAL		DENSITY OF MATERIALS						GMS/LITER 1.045				
		DENSITY OF WATER				1.006		GMS/LITER@ 86 °F				
RIVER/TIDE STAGE		MIN 1	TIME 00:00	MAX 0	TIME 00:00	GAGE LOCATION Dog River						
		MIN 2	TIME 00:00	MAX 0	TIME 00:00	GAGE DATUM MLLW						
WEATHER CONDITION		WEATHER Weather Caused No Delay			TEMP (min / max) 77 °F / 90 °F		VISIBILITY 10		WIND 20			
DRAFT					DISTRIBUTION OF TIME AND MILES RUN							
FORWARD		LIGHT		LOADED				AGITATING (MIN)	DREDGE & HAUL (MIN)	MILES RUN (NAUT MI)		
		8		15		EFFECTIVE WORKING TIME:						
AFT		10		16		PUMPING:		00:00	01:57	0.0		
						TURNING:		00:00	00:00	0.0		
DRAG DEPTH MAX 49 MIN 44					TO DUMP:		00:00	10:34	0.0			
INDICATORS LAST CHECKED ON 07/19/2016					CONNECTING:		00:00	00:00	0.0			
AVERAGE SPEED OF DREDGE DURING LOADING					FT/MIN	2	DUMPING:		00:00	00:54	0.0	
AVERAGE SPEED OF DREDGE DURING AGITATING					FT/MIN	0	DISCONNECTING:		00:00	00:00	0.0	
GALLONS OF FUEL OIL CONSUMED					GAL	3,151	TO CUT:		00:00	08:53	0.0	
GALLONS OF WATER CONSUMED					GAL	672	TOTALS:		00:00	22:18	0.0	
WORK PERFORMED					NON-EFFECTIVE WORKING TIME:							
DREDGING AND HAULING			AGITATING		TAKING ON FUEL AND SUPPLIES:		00:00	00:00	0.0			
NO. OF LOADS	TOTAL CYS	DISPOSAL AREA		TOTAL CYS		TO AND FROM WHARF OR ANCHORAGE:		00:00	00:00	0.0		
5	10,540	Mobile 102-SW		0		LOSS DUE TO NATURAL ELEMENTS:		00:00	00:00	0.0		
						LOSS DUE TO TRAFFIC AND BRIDGES		00:00	00:00	0.0		
						MINOR OPERATING REPAIRS:		00:00	01:42	0.0		
						TRANSFERRING BETWEEN WORKS:		00:00	00:00	0.0		
						LAY TIME:		00:00	00:00	0.0		
						FIRE AND BOAT DRILLS:		00:00	00:00	0.0		
ATTENDANT PLANT					MISCELLANEOUS:		00:00	00:00	0.0			
ITEM	NAME OR NUMBER			H.P.	HOURS	TOTALS:		00:00	01:42	0.0		
40' Crewboat	Cape Anne			400	12:00	LOST TIME:						
						MAJOR REPAIRS AND ALTERATIONS:		00:00	00:00	0.0		
						CESSATION:		00:00	00:00	0.0		
						COLLISIONS:		00:00	00:00	0.0		
						TOTALS:		00:00	00:00	0.0		
						TOTAL TIME/MILES:		00:00	24:00	0.0		

QUALITY CONTROL REPORT-HOPPER DREDGE					PAGE NO. Page 400 of 494	
CONTRACT NO. W91278-16-D-0041 0001		CONTRACT TITLE IDIQ Rental Hopper Dredge in Mobile		CONTRACTOR Dutra Dredging Company		REPORT NO. 197
DREDGE		NAME AND TYPE M/V Columbia			DATE 16 Aug 2016 - Tuesday	
LOADS						
LOAD NUMBER	DREDGING AREA DISPOSAL AREA	START TIME STOP TIME (HH:MM)	PUMPING TURNING (MIN)	TO DUMP DUMPING TO CUT (MIN)	TOTAL TIME DREDGED AMOUNT AGITATED AMOUNT (MIN/CYS)	
1	Sta 1108+00 to 1180+00 Mobile 102-SW	00:00 00:01	1 0	129 4 0	134 2,635 0	
2	Sta 1108+00 to 1180+00 Mobile 102-SW	02:14 02:46	32 0	133 42 130	337 2,635 0	
3	Sta 1108+00 to 1180+00 Mobile 102-SW	09:33 10:05	32 0	115 4 136	287 2,635 0	
4	Sta 1108+00 to 1180+00 Mobile 102-SW	14:20 14:47	27 0	123 4 140	294 2,635 0	
5	Sta 1108+00 to 1180+00 Mobile 102-SW	19:14 19:39	25 0	134 0 127	286 0 0	
QC NARRATIVE(S) GENERAL COMMENTS 1338 Minutes @ 100% 102 Minutes @ 0% Minor Repairs						

QUALITY CONTROL REPORT-HOPPER DREDGE										PAGE NO. Page 401 of 494	
CONTRACT NO. W91278-16-D-0041 0001		CONTRACT TITLE IDIQ Rental Hopper Dredge in Mobile					CONTRACTOR Dutra Dredging Company			REPORT NO. 198	
CHARACTER OF REPORT		<input checked="" type="checkbox"/> MAINTENANCE <input type="checkbox"/> NEW WORK							DATE 17 Aug 2016 - Wednesday		
DREDGE (M/V Columbia)		HOPPER CAP: 4,387 CY		AVG VOL OF BIN WATER: 4,387 CY		AVG UNFILLED CAP: 4,387 CY					
		NO. OF CREW MEMBERS	DREDGE 13	OTHER PLANT 5	WORK SCHEDULE	SHIFTS PER DAY 2	DAYS PER WEEK 7				
LOCATION OF WORK		LOCATION CHANNEL Mobile Harbor	REACH DREDGED; STA TO STA Sta 1108+00 to 1180+00		DISPOSAL AREA USE Mobile 102 -SW		QTY DEPOSITED GROSS(CY) 13,175	CUMULATIVE AND QTY DEPOSIT FOR DA(CY) 1,849,770			
		AVG LENGTH OF CUT 6,000 FT		AVG WIDTH OF CUT 400 FT		AVG DIST TO DUMP 23 NM					
CHARACTER OF MATERIAL		DENSITY OF MATERIALS					GMS/LITER 1.045				
		DENSITY OF WATER			1.006		GMS/LITER@ 86 °F				
RIVER/TIDE STAGE		MIN 1	TIME 00:00	MAX 0	TIME 00:00	GAGE LOCATION Dog River					
		MIN 2	TIME 00:00	MAX 0	TIME 00:00	GAGE DATUM MLLW					
WEATHER CONDITION		WEATHER Weather Caused No Delay		TEMP (min / max) 77 °F / 92 °F		VISIBILITY 10		WIND 25			
DRAFT					DISTRIBUTION OF TIME AND MILES RUN						
FORWARD	LIGHT		LOADED			AGITATING (MIN)	DREDGE & HAUL (MIN)	MILES RUN (NAUT MI)			
	8		15		EFFECTIVE WORKING TIME:						
AFT	10		16		PUMPING:	00:00	02:21	0.0			
					TURNING:	00:00	00:00	0.0			
DRAG DEPTH MAX 49 MIN 44					TO DUMP:	00:00	09:58	0.0			
					CONNECTING:	00:00	00:00	0.0			
INDICATORS LAST CHECKED ON 07/19/2016					DUMPING:	00:00	00:32	0.0			
					DISCONNECTING:	00:00	00:00	0.0			
AVERAGE SPEED OF DREDGE DURING LOADING				FT/MIN 2	TO CUT:	00:00	10:58	0.0			
AVERAGE SPEED OF DREDGE DURING AGITATING				FT/MIN 0	TOTALS:	00:00	23:49	0.0			
GALLONS OF FUEL OIL CONSUMED				GAL 2,545	NON-EFFECTIVE WORKING TIME:						
GALLONS OF WATER CONSUMED				GAL 672	TAKING ON FUEL AND SUPPLIES:	00:00	00:00	0.0			
WORK PERFORMED					TO AND FROM WHARF OR ANCHORAGE:	00:00	00:00	0.0			
DREDGING AND HAULING				AGITATING	LOSS DUE TO NATURAL ELEMENTS:	00:00	00:00	0.0			
NO. OF LOADS	TOTAL CYS	DISPOSAL AREA		TOTAL CYS	LOSS DUE TO TRAFFIC AND BRIDGES	00:00	00:00	0.0			
6	13,175	Mobile 102-SW		0	MINOR OPERATING REPAIRS:	00:00	00:11	0.0			
					TRANSFERRING BETWEEN WORKS:	00:00	00:00	0.0			
					LAY TIME:	00:00	00:00	0.0			
					FIRE AND BOAT DRILLS:	00:00	00:00	0.0			
ATTENDANT PLANT					MISCELLANEOUS:	00:00	00:00	0.0			
ITEM	NAME OR NUMBER		H.P.	HOURS	TOTALS:	00:00	00:11	0.0			
40' Crewboat	Cape Anne		400	12:00	LOST TIME:						
					MAJOR REPAIRS AND ALTERATIONS:	00:00	00:00	0.0			
					CESSATION:	00:00	00:00	0.0			
					COLLISIONS:	00:00	00:00	0.0			
					TOTALS:	00:00	00:00	0.0			
					TOTAL TIME/MILES:	00:00	24:00	0.0			

QUALITY CONTROL REPORT-HOPPER DREDGE					PAGE NO. <div>Page 402 of 494</div>	
CONTRACT NO. W91278-16-D-0041 0001		CONTRACT TITLE IDIQ Rental Hopper Dredge in Mobile		CONTRACTOR Dutra Dredging Company		REPORT NO. 198
DREDGE		NAME AND TYPE M/V Columbia			DATE 17 Aug 2016 - Wednesday	
LOADS						
LOAD NUMBER	DREDGING AREA DISPOSAL AREA	START TIME STOP TIME (HH:MM)	PUMPING TURNING (MIN)	TO DUMP DUMPING TO CUT (MIN)	TOTAL TIME DREDGED AMOUNT AGITATED AMOUNT (MIN/CYS)	
1	Sta 1108+00 to 1180+00 Mobile 102-SW	00:00 00:01	1 0	1 4 0	6 2,635 0	
2	Sta 1108+00 to 1180+00 Mobile 102-SW	00:06 00:36	30 0	124 4 142	300 2,635 0	
3	Sta 1108+00 to 1180+00 Mobile 102-SW	05:06 05:33	27 0	123 16 127	293 2,635 0	
4	Sta 1108+00 to 1180+00 Mobile 102-SW	09:59 10:28	29 0	120 4 131	284 2,635 0	
5	Sta 1108+00 to 1180+00 Mobile 102-SW	14:43 15:10	27 0	125 4 135	291 2,635 0	
6	Sta 1108+00 to 1180+00 Mobile 102-SW	19:45 20:12	27 0	105 0 123	255 0 0	
<div>QC NARRATIVE(S)</div> <div>GENERAL COMMENTS</div> <div>1429 Minutes @ 100%</div> <div>11 Minutes @ 0% Minor Repairs</div>						

QUALITY CONTROL REPORT-HOPPER DREDGE										PAGE NO. Page 403 of 494	
CONTRACT NO. W91278-16-D-0041 0001		CONTRACT TITLE IDIQ Rental Hopper Dredge in Mobile					CONTRACTOR Dutra Dredging Company			REPORT NO. 199	
CHARACTER OF REPORT		<input checked="" type="checkbox"/> MAINTENANCE <input type="checkbox"/> NEW WORK							DATE 18 Aug 2016 - Thursday		
DREDGE (M/V Columbia)		HOPPER CAP: 4,387 CY		AVG VOL OF BIN WATER: 4,387 CY		AVG UNFILLED CAP: 4,387 CY					
		NO. OF CREW MEMBERS	DREDGE 13	OTHER PLANT 5	WORK SCHEDULE	SHIFTS PER DAY 2	DAYS PER WEEK 7				
LOCATION OF WORK		LOCATION CHANNEL Mobile Harbor	REACH DREDGED; STA TO STA Sta 1108+00 to 1180+00		DISPOSAL AREA USE Mobile 102 -SW		QTY DEPOSITED GROSS(CY) 13,175	CUMULATIVE AND QTY DEPOSIT FOR DA(CY) 1,862,945			
		AVG LENGTH OF CUT 6,000 FT		AVG WIDTH OF CUT 400 FT		AVG DIST TO DUMP 23 NM					
CHARACTER OF MATERIAL		DENSITY OF MATERIALS						GMS/LITER 1.045			
		DENSITY OF WATER			1.006			GMS/LITER@ 86 °F			
RIVER/TIDE STAGE		MIN 1	TIME 00:00	MAX 0	TIME 00:00	GAGE LOCATION Dog River					
		MIN 2	TIME 00:00	MAX 0	TIME 00:00	GAGE DATUM MLLW					
WEATHER CONDITION		WEATHER		TEMP (min / max)		VISIBILITY		WIND			
		Weather Caused No Delay		76 °F / 91 °F		10		23			
DRAFT					DISTRIBUTION OF TIME AND MILES RUN						
FORWARD		LIGHT		LOADED				AGITATING (MIN)	DREDGE & HAUL (MIN)	MILES RUN (NAUT MI)	
		8		15				EFFECTIVE WORKING TIME:			
AFT											
		10		16							
DRAG DEPTH MAX 49 MIN 44					PUMPING:		00:00	02:30	0.0		
INDICATORS LAST CHECKED ON 07/19/2016					TURNING:		00:00	00:10	0.0		
					TO DUMP:		00:00	10:05	0.0		
AVERAGE SPEED OF DREDGE DURING LOADING					CONNECTING:		00:00	00:00	0.0		
					DUMPING:		00:00	00:20	0.0		
AVERAGE SPEED OF DREDGE DURING AGITATING					DISCONNECTING:		00:00	00:00	0.0		
					TO CUT:		00:00	10:55	0.0		
GALLONS OF FUEL OIL CONSUMED					TOTALS:		00:00	24:00	0.0		
					NON-EFFECTIVE WORKING TIME:						
GALLONS OF WATER CONSUMED					TAKING ON FUEL AND SUPPLIES:		00:00	00:00	0.0		
					TO AND FROM WHARF OR ANCHORAGE:		00:00	00:00	0.0		
WORK PERFORMED					LOSS DUE TO NATURAL ELEMENTS:		00:00	00:00	0.0		
DREDGING AND HAULING				AGITATING		LOSS DUE TO TRAFFIC AND BRIDGES		00:00	00:00	0.0	
NO. OF LOADS	TOTAL CYS	DISPOSAL AREA		TOTAL CYS		MINOR OPERATING REPAIRS:		00:00	00:00	0.0	
6	13,175	Mobile 102-SW		0		TRANSFERRING BETWEEN WORKS:		00:00	00:00	0.0	
						LAY TIME:		00:00	00:00	0.0	
						FIRE AND BOAT DRILLS:		00:00	00:00	0.0	
ATTENDANT PLANT					MISCELLANEOUS:		00:00	00:00	0.0		
ITEM	NAME OR NUMBER		H.P.	HOURS	TOTALS:		00:00	00:00	0.0		
40' Crewboat	Cape Anne		400	12:00	LOST TIME:						
					MAJOR REPAIRS AND ALTERATIONS:		00:00	00:00	0.0		
					CESSATION:		00:00	00:00	0.0		
					COLLISIONS:		00:00	00:00	0.0		
					TOTALS:		00:00	00:00	0.0		
					TOTAL TIME/MILES:		00:00	24:00	0.0		

QUALITY CONTROL REPORT-HOPPER DREDGE					PAGE NO. <div>Page 404 of 494</div>	
CONTRACT NO. W91278-16-D-0041 0001		CONTRACT TITLE IDIQ Rental Hopper Dredge in Mobile		CONTRACTOR Dutra Dredging Company		REPORT NO. 199
DREDGE		NAME AND TYPE M/V Columbia			DATE 18 Aug 2016 - Thursday	
LOADS						
LOAD NUMBER	DREDGING AREA DISPOSAL AREA	START TIME STOP TIME (HH:MM)	PUMPING TURNING (MIN)	TO DUMP DUMPING TO CUT (MIN)	TOTAL TIME DREDGED AMOUNT AGITATED AMOUNT (MIN/CYS)	
1	Sta 1108+00 to 1180+00 Mobile 102-SW	00:00 00:01	1 0	29 4 0	34 2,635 0	
2	Sta 1108+00 to 1180+00 Mobile 102-SW	00:34 01:02	28 0	128 4 132	292 2,635 0	
3	Sta 1108+00 to 1180+00 Mobile 102-SW	05:26 05:57	31 0	121 4 128	284 2,635 0	
4	Sta 1108+00 to 1180+00 Mobile 102-SW	10:10 10:39	29 0	118 4 132	283 2,635 0	
5	Sta 1108+00 to 1180+00 Mobile 102-SW	14:53 15:23	30 0	132 4 126	292 2,635 0	
6	Sta 1108+00 to 1180+00 Mobile 102-SW	19:45 20:26	31 10	77 0 137	255 0 0	
<div>QC NARRATIVE(S)</div> <div>GENERAL COMMENTS</div> <div>1440 Minutes @ 100%</div>						

[illegible]

QUALITY CONTROL REPORT-HOPPER DREDGE			PAGE NO. Page 406 of 494
CONTRACT NO. W91278-16-D-0041 0001	CONTRACT TITLE IDIQ Rental Hopper Dredge in Mobile	CONTRACTOR Dutra Dredging Company	REPORT NO. 200
DREDGE	NAME AND TYPE M/V Columbia		DATE 19 Aug 2016 - Friday

LOADS					
LOAD NUMBER	DREDGING AREA DISPOSAL AREA	START TIME STOP TIME (HH:MM)	PUMPING TURNING (MIN)	TO DUMP DUMPING TO CUT (MIN)	TOTAL TIME DREDGED AMOUNT AGITATED AMOUNT (MIN/CYS)
1	Sta 1108+00 to 1180+00 Mobile 102-SW	00:00 00:01	1 0	52 4 0	57 2,635 0
2	Sta 1108+00 to 1180+00 Mobile 102-SW	00:57 01:30	33 0	121 40 130	324 2,635 0
3	Sta 1108+00 to 1180+00 Mobile 102-SW	06:21 07:02	31 10	136 4 119	300 2,635 0
4	Sta 1108+00 to 1180+00 Mobile 102-SW	11:21 11:49	28 0	123 4 136	291 2,635 0
5	Sta 1108+00 to 1180+00 Mobile 102-SW	16:12 16:52	30 10	116 4 133	293 2,635 0
6	Sta 1108+00 to 1180+00 Mobile 102-SW	21:05 21:40	29 6	12 0 128	175 0 0

QC NARRATIVE(S)

GENERAL COMMENTS

1440 Minutes @ 100%

QUALITY CONTROL REPORT-HOPPER DREDGE										PAGE NO. Page 407 of 494	
CONTRACT NO. W91278-16-D-0041 0001		CONTRACT TITLE IDIQ Rental Hopper Dredge in Mobile					CONTRACTOR Dutra Dredging Company			REPORT NO. 201	
CHARACTER OF REPORT		<input checked="" type="checkbox"/> MAINTENANCE <input type="checkbox"/> NEW WORK							DATE 20 Aug 2016 - Saturday		
DREDGE (M/V Columbia)		HOPPER CAP: 4,387 CY		AVG VOL OF BIN WATER: 4,387 CY		AVG UNFILLED CAP: 4,387 CY					
		NO. OF CREW MEMBERS	DREDGE 13	OTHER PLANT 5	WORK SCHEDULE	SHIFTS PER DAY 2	DAYS PER WEEK 7				
LOCATION OF WORK		LOCATION CHANNEL Mobile Harbor	REACH DREDGED; STA TO STA Sta 1108+00 to 1180+00		DISPOSAL AREA USE Mobile 102 -SW		QTY DEPOSITED GROSS(CY) 13,175	CUMULATIVE AND QTY DEPOSIT FOR DA(CY) 1,889,295			
		AVG LENGTH OF CUT 6,000 FT		AVG WIDTH OF CUT 400 FT		AVG DIST TO DUMP 23 NM					
CHARACTER OF MATERIAL		DENSITY OF MATERIALS						GMS/LITER 1.045			
		DENSITY OF WATER			1.006			GMS/LITER@ 86 °F			
RIVER/TIDE STAGE		MIN 1	TIME 00:00	MAX 0	TIME 00:00	GAGE LOCATION Dog River					
		MIN 2	TIME 00:00	MAX 0	TIME 00:00	GAGE DATUM MLLW					
WEATHER CONDITION		WEATHER		TEMP (min / max)		VISIBILITY		WIND			
		Weather Caused No Delay		77 °F / 91 °F		10		8			
DRAFT					DISTRIBUTION OF TIME AND MILES RUN						
FORWARD		LIGHT		LOADED				AGITATING (MIN)	DREDGE & HAUL (MIN)	MILES RUN (NAUT MI)	
		8		15				EFFECTIVE WORKING TIME:			
AFT											
		10		16							
DRAG DEPTH MAX 49 MIN 44					PUMPING:		00:00	02:04	0.0		
INDICATORS LAST CHECKED ON 07/19/2016					TURNING:		00:00	00:32	0.0		
					TO DUMP:		00:00	10:17	0.0		
AVERAGE SPEED OF DREDGE DURING LOADING				FT/MIN	CONNECTING:		00:00	00:00	0.0		
				2	DUMPING:		00:00	00:43	0.0		
AVERAGE SPEED OF DREDGE DURING AGITATING				FT/MIN	DISCONNECTING:		00:00	00:00	0.0		
				0	TO CUT:		00:00	10:24	0.0		
GALLONS OF FUEL OIL CONSUMED				GAL	TOTALS:		00:00	24:00	0.0		
				2,251	NON-EFFECTIVE WORKING TIME:						
GALLONS OF WATER CONSUMED				GAL	TAKING ON FUEL AND SUPPLIES:		00:00	00:00	0.0		
				672	TO AND FROM WHARF OR ANCHORAGE:		00:00	00:00	0.0		
WORK PERFORMED					LOSS DUE TO NATURAL ELEMENTS:		00:00	00:00	0.0		
DREDGING AND HAULING				AGITATING		LOSS DUE TO TRAFFIC AND BRIDGES		00:00	00:00	0.0	
NO. OF LOADS	TOTAL CYS	DISPOSAL AREA		TOTAL CYS		MINOR OPERATING REPAIRS:		00:00	00:00	0.0	
6	13,175	Mobile 102-SW		0		TRANSFERRING BETWEEN WORKS:		00:00	00:00	0.0	
						LAY TIME:		00:00	00:00	0.0	
						FIRE AND BOAT DRILLS:		00:00	00:00	0.0	
ATTENDANT PLANT					MISCELLANEOUS:		00:00	00:00	0.0		
ITEM	NAME OR NUMBER		H.P.	HOURS	TOTALS:		00:00	00:00	0.0		
40' Crewboat	Cape Anne		400	12:00	LOST TIME:						
					MAJOR REPAIRS AND ALTERATIONS:		00:00	00:00	0.0		
					CESSATION:		00:00	00:00	0.0		
					COLLISIONS:		00:00	00:00	0.0		
					TOTALS:		00:00	00:00	0.0		
					TOTAL TIME/MILES:		00:00	24:00	0.0		

QUALITY CONTROL REPORT-HOPPER DREDGE			PAGE NO. Page 408 of 494
CONTRACT NO. W91278-16-D-0041 0001	CONTRACT TITLE IDIQ Rental Hopper Dredge in Mobile	CONTRACTOR Dutra Dredging Company	REPORT NO. 201
DREDGE	NAME AND TYPE M/V Columbia	DATE 20 Aug 2016 - Saturday	

LOADS					
LOAD NUMBER	DREDGING AREA DISPOSAL AREA	START TIME STOP TIME (HH:MM)	PUMPING TURNING (MIN)	TO DUMP DUMPING TO CUT (MIN)	TOTAL TIME DREDGED AMOUNT AGITATED AMOUNT (MIN/CYS)
1	Dredging 1108 to 1180+00 Mobile 102-SW	00:00 00:01	1 0	120 4 0	125 2,635 0
2	Dredging 1108 to 1180+00 Mobile 102-SW	02:05 02:42	29 8	122 11 118	288 2,635 0
3	Dredging 1108 to 1180+00 Mobile 102-SW	06:53 07:23	24 6	132 4 120	286 2,635 0
4	Dredging 1108 to 1180+00 Mobile 102-SW	11:39 12:15	30 6	129 20 136	321 2,635 0
5	Dredging 1108 to 1180+00 Mobile 102-SW	17:00 17:31	25 6	114 4 127	276 2,635 0
6	Dredging 1108 to 1180+00 Mobile 102-SW	21:36 21:57	15 6	0 0 123	144 0 0

QC NARRATIVE(S)

GENERAL COMMENTS

1440 Minutes @ 100%

QUALITY CONTROL REPORT-HOPPER DREDGE										PAGE NO. Page 409 of 494								
CONTRACT NO. W91278-16-D-0041 0001		CONTRACT TITLE IDIQ Rental Hopper Dredge in Mobile					CONTRACTOR Dutra Dredging Company			REPORT NO. 202								
CHARACTER OF REPORT		<input checked="" type="checkbox"/> MAINTENANCE <input type="checkbox"/> NEW WORK							DATE 21 Aug 2016 - Sunday									
DREDGE (M/V Columbia)		HOPPER CAP: 4,387 CY		AVG VOL OF BIN WATER: 4,387 CY		AVG UNFILLED CAP: 4,387 CY												
		NO. OF CREW MEMBERS	DREDGE 13	OTHER PLANT 5	WORK SCHEDULE	SHIFTS PER DAY 2	DAYS PER WEEK 7											
LOCATION OF WORK		LOCATION CHANNEL Mobile Harbor		REACH DREDGED; STA TO STA Sta 1108+00 to 1180+00		DISPOSAL AREA USE Mobile 102 -SW		QTY DEPOSITED GROSS(CY) 13,175		CUMULATIVE AND QTY DEPOSIT FOR DA(CY) 1,902,470								
		AVG LENGTH OF CUT 6,000 FT		AVG WIDTH OF CUT 400 FT		AVG DIST TO DUMP 23 NM												
CHARACTER OF MATERIAL		DENSITY OF MATERIALS						GMS/LITER 1.045										
		DENSITY OF WATER			1.006			GMS/LITER@ 86 °F										
RIVER/TIDE STAGE		MIN 1	TIME 00:00	MAX 0	TIME 00:00	GAGE LOCATION Dog River												
		MIN 2	TIME 00:00	MAX 0	TIME 00:00	GAGE DATUM MLLW												
WEATHER CONDITION		WEATHER			TEMP (min / max)		VISIBILITY		WIND									
		Weather Caused No Delay			78 °F / 91 °F		10		8									
DRAFT					DISTRIBUTION OF TIME AND MILES RUN													
FORWARD		LIGHT		LOADED				AGITATING (MIN)		DREDGE & HAUL (MIN)		MILES RUN (NAUT MI)						
		8		15		EFFECTIVE WORKING TIME:												
AFT		10		16		PUMPING:		00:00		02:07		0.0						
						TURNING:		00:00		00:24		0.0						
DRAG DEPTH MAX 49 MIN 44					TO DUMP:		00:00		10:43		0.0							
					CONNECTING:		00:00		00:00		0.0							
INDICATORS LAST CHECKED ON 07/19/2016					DUMPING:		00:00		00:42		0.0							
					DISCONNECTING:		00:00		00:00		0.0							
AVERAGE SPEED OF DREDGE DURING LOADING							FT/MIN		2		TO CUT:		00:00		10:04		0.0	
AVERAGE SPEED OF DREDGE DURING AGITATING							FT/MIN		0		TOTALS:		00:00		24:00		0.0	
GALLONS OF FUEL OIL CONSUMED							GAL		2,711		NON-EFFECTIVE WORKING TIME:							
GALLONS OF WATER CONSUMED							GAL		784		TAKING ON FUEL AND SUPPLIES:		00:00		00:00		0.0	
WORK PERFORMED											TO AND FROM WHARF OR ANCHORAGE:		00:00		00:00		0.0	
													LOSS DUE TO NATURAL ELEMENTS:		00:00		00:00	
DREDGING AND HAULING											LOSS DUE TO TRAFFIC AND BRIDGES		00:00		00:00		0.0	
NO. OF LOADS		TOTAL CYS		DISPOSAL AREA		TOTAL CYS				MINOR OPERATING REPAIRS:		00:00		00:00		0.0		
6		13,175		Mobile 102-SW		0				TRANSFERRING BETWEEN WORKS:		00:00		00:00		0.0		
										LAY TIME:		00:00		00:00		0.0		
										FIRE AND BOAT DRILLS:		00:00		00:00		0.0		
ATTENDANT PLANT											MISCELLANEOUS:		00:00		00:00		0.0	
													TOTALS:		00:00		00:00	
ITEM		NAME OR NUMBER			H.P.		HOURS		LOST TIME:									
40' Crewboat		Cape Anne			400		12:00				MAJOR REPAIRS AND ALTERATIONS:		00:00		00:00		0.0	
											CESSATION:		00:00		00:00		0.0	
											COLLISIONS:		00:00		00:00		0.0	
											TOTALS:		00:00		00:00		0.0	
											TOTAL TIME/MILES:		00:00		24:00		0.0	

QUALITY CONTROL REPORT-HOPPER DREDGE					PAGE NO. <div>Page 410 of 494</div>	
CONTRACT NO. W91278-16-D-0041 0001		CONTRACT TITLE IDIQ Rental Hopper Dredge in Mobile		CONTRACTOR Dutra Dredging Company		REPORT NO. 202
DREDGE		NAME AND TYPE M/V Columbia			DATE 21 Aug 2016 - Sunday	
LOADS						
LOAD NUMBER	DREDGING AREA DISPOSAL AREA	START TIME STOP TIME (HH:MM)	PUMPING TURNING (MIN)	TO DUMP DUMPING TO CUT (MIN)	TOTAL TIME DREDGED AMOUNT AGITATED AMOUNT (MIN/CYS)	
1	Dredging 1108 to 1180+00 Mobile 102-SW	00:00 00:13	13 0	132 4 0	149 2,635 0	
2	Dredging 1108 to 1180+00 Mobile 102-SW	02:29 03:03	28 6	121 4 120	279 2,635 0	
3	Dredging 1108 to 1180+00 Mobile 102-SW	07:08 07:42	28 6	128 4 131	297 2,635 0	
4	Dredging 1108 to 1180+00 Mobile 102-SW	12:05 12:40	29 6	133 20 122	310 2,635 0	
5	Dredging 1108 to 1180+00 Mobile 102-SW	17:15 17:49	28 6	129 10 116	289 2,635 0	
6	Dredging 1108 to 1180+00 Mobile 102-SW	22:04 22:05	1 0	0 0 115	116 0 0	
QC NARRATIVE(S) GENERAL COMMENTS 1440 Minutes @ 100%						

QUALITY CONTROL REPORT-HOPPER DREDGE										PAGE NO. Page 411 of 494	
CONTRACT NO. W91278-16-D-0041 0001		CONTRACT TITLE IDIQ Rental Hopper Dredge in Mobile				CONTRACTOR Dutra Dredging Company				REPORT NO. 203	
CHARACTER OF REPORT		<input checked="" type="checkbox"/> MAINTENANCE <input type="checkbox"/> NEW WORK								DATE 22 Aug 2016 - Monday	
DREDGE (M/V Columbia)		HOPPER CAP: 4,387 CY			AVG VOL OF BIN WATER: 4,387 CY			AVG UNFILLED CAP: 4,387 CY			
		NO. OF CREW MEMBERS	DREDGE	OTHER PLANT	WORK SCHEDULE	SHIFTS PER DAY	DAYS PER WEEK				
			13	5		2	7				
LOCATION OF WORK		LOCATION CHANNEL		REACH DREDGED; STA TO STA		DISPOSAL AREA USE		QTY DEPOSITED GROSS(CY)		CUMULATIVE AND QTY DEPOSIT FOR DA(CY)	
		Mobile Harbor		Sta 1108+00 to 1180+00 & Sta 958+00 to 1050+00		Mobile 102 -SW		2,635		1,905,105	
		AVG LENGTH OF CUT 6,000 FT			AVG WIDTH OF CUT 400 FT			AVG DIST TO DUMP 23 NM			
CHARACTER OF MATERIAL		DENSITY OF MATERIALS						GMS/LITER 1.045			
		DENSITY OF WATER				1.006		GMS/LITER@ 86 °F			
RIVER/TIDE STAGE		MIN 1	TIME 00:00	MAX 0	TIME 00:00	GAGE LOCATION Dog River					
		MIN 2	TIME 00:00	MAX 0	TIME 00:00	GAGE DATUM MLLW					
WEATHER CONDITION		WEATHER			TEMP (min / max)		VISIBILITY		WIND		
		Weather Caused No Delay			75 °F / 90 °F		10		4		
DRAFT					DISTRIBUTION OF TIME AND MILES RUN						
FORWARD		LIGHT	LOADED				AGITATING (MIN)	DREDGE & HAUL (MIN)	MILES RUN (NAUT MI)		
		8	15				EFFECTIVE WORKING TIME:				
AFT											
		10	16				PUMPING:	00:00	00:57	0.0	
DRAG DEPTH MAX 49 MIN 44							TURNING:	00:00	00:00	0.0	
							TO DUMP:	00:00	03:40	0.0	
INDICATORS LAST CHECKED ON 07/19/2016							CONNECTING:	00:00	00:00	0.0	
							DUMPING:	00:00	00:45	0.0	
AVERAGE SPEED OF DREDGE DURING LOADING					FT/MIN	2	DISCONNECTING:	00:00	00:00	0.0	
AVERAGE SPEED OF DREDGE DURING AGITATING					FT/MIN	0	TO CUT:	00:00	01:58	0.0	
GALLONS OF FUEL OIL CONSUMED					GAL	1,170	TOTALS:	00:00	07:20	0.0	
GALLONS OF WATER CONSUMED					GAL	560	NON-EFFECTIVE WORKING TIME:				
WORK PERFORMED							TAKING ON FUEL AND SUPPLIES:	00:00	06:05	0.0	
DREDGING AND HAULING			AGITATING				TO AND FROM WHARF OR ANCHORAGE:	00:00	02:21	0.0	
NO. OF LOADS	TOTAL CYS	DISPOSAL AREA		TOTAL CYS		LOSS DUE TO NATURAL ELEMENTS:		00:00	00:00	0.0	
2	2,635	Mobile 102-SW		0		LOSS DUE TO TRAFFIC AND BRIDGES		00:00	00:00	0.0	
						MINOR OPERATING REPAIRS:		00:00	08:14	0.0	
						TRANSFERRING BETWEEN WORKS:		00:00	00:00	0.0	
						LAY TIME:		00:00	00:00	0.0	
						FIRE AND BOAT DRILLS:		00:00	00:00	0.0	
ATTENDANT PLANT							MISCELLANEOUS:	00:00	00:00	0.0	
ITEM	NAME OR NUMBER		H.P.	HOURS			TOTALS:	00:00	16:40	0.0	
40' Crewboat	Cape Anne		400	12:00			LOST TIME:				
							MAJOR REPAIRS AND ALTERATIONS:	00:00	00:00	0.0	
							CESSATION:	00:00	00:00	0.0	
							COLLISIONS:	00:00	00:00	0.0	
							TOTALS:	00:00	00:00	0.0	
							TOTAL TIME/MILES:	00:00	24:00	0.0	

QUALITY CONTROL REPORT-HOPPER DREDGE			PAGE NO. Page 412 of 494
CONTRACT NO. W91278-16-D-0041 0001	CONTRACT TITLE IDIQ Rental Hopper Dredge in Mobile	CONTRACTOR Dutra Dredging Company	REPORT NO. 203
DREDGE	NAME AND TYPE M/V Columbia		DATE 22 Aug 2016 - Monday

LOADS					
LOAD NUMBER	DREDGING AREA DISPOSAL AREA	START TIME STOP TIME (HH:MM)	PUMPING TURNING (MIN)	TO DUMP DUMPING TO CUT (MIN)	TOTAL TIME DREDGED AMOUNT AGITATED AMOUNT (MIN/CYS)
1	Dredging 1105 to 1180+00 Mobile 102-SW	00:00	27	144	225
		00:27	0	45	2,635
				9	0
2	Dredging 985 to 1050+00 Mobile 102-SW	20:25	30	76	215
		20:55	0	0	0
				109	0

QC NARRATIVE(S)

GENERAL COMMENTS

440 Minutes @ 100%
1000 Minutes @ 0% - 141 minutes to/from fuel dock, 365 minutes fuel & 494 minutes repair

QUALITY CONTROL REPORT-HOPPER DREDGE										PAGE NO. Page 413 of 494	
CONTRACT NO. W91278-16-D-0041 0001		CONTRACT TITLE IDIQ Rental Hopper Dredge in Mobile					CONTRACTOR Dutra Dredging Company			REPORT NO. 204	
CHARACTER OF REPORT		<input checked="" type="checkbox"/> MAINTENANCE <input type="checkbox"/> NEW WORK							DATE 23 Aug 2016 - Tuesday		
DREDGE (M/V Columbia)		HOPPER CAP: 4,387 CY		AVG VOL OF BIN WATER: 4,387 CY		AVG UNFILLED CAP: 4,387 CY					
		NO. OF CREW MEMBERS	DREDGE 13	OTHER PLANT 5	WORK SCHEDULE	SHIFTS PER DAY 2	DAYS PER WEEK 7				
LOCATION OF WORK		LOCATION CHANNEL Mobile Harbor	REACH DREDGED; STA TO STA Sta 958+00 to 1050+00		DISPOSAL AREA USE Mobile 102 -SW		QTY DEPOSITED GROSS(CY) 13,175	CUMULATIVE AND QTY DEPOSIT FOR DA(CY) 1,918,280			
		AVG LENGTH OF CUT 6,000 FT		AVG WIDTH OF CUT 400 FT		AVG DIST TO DUMP 23 NM					
CHARACTER OF MATERIAL		DENSITY OF MATERIALS						GMS/LITER 1.045			
		DENSITY OF WATER			1.006			GMS/LITER@ 86 °F			
RIVER/TIDE STAGE		MIN 1	TIME 00:00	MAX 0	TIME 00:00	GAGE LOCATION Dog River					
		MIN 2	TIME 00:00	MAX 0	TIME 00:00	GAGE DATUM MLLW					
WEATHER CONDITION		WEATHER Weather Caused No Delay		TEMP (min / max) 75 °F / 93 °F		VISIBILITY 10		WIND 7			
DRAFT					DISTRIBUTION OF TIME AND MILES RUN						
FORWARD		LIGHT		LOADED				AGITATING (MIN)	DREDGE & HAUL (MIN)	MILES RUN (NAUT MI)	
		8		15		EFFECTIVE WORKING TIME:					
AFT						PUMPING:					
		10		16		00:00		01:57	0.0		
DRAG DEPTH MAX 49 MIN 44					TURNING:		00:00		00:00	0.0	
INDICATORS LAST CHECKED ON 07/19/2016					TO DUMP:		00:00		10:45	0.0	
					CONNECTING:		00:00		00:00	0.0	
AVERAGE SPEED OF DREDGE DURING LOADING				FT/MIN	DUMPING:		00:00		00:48	0.0	
				2	DISCONNECTING:		00:00		00:00	0.0	
AVERAGE SPEED OF DREDGE DURING AGITATING				FT/MIN	TO CUT:		00:00		10:30	0.0	
				0	TOTALS:		00:00		24:00	0.0	
GALLONS OF FUEL OIL CONSUMED				GAL	NON-EFFECTIVE WORKING TIME:						
				2,788	TAKING ON FUEL AND SUPPLIES:		00:00		00:00	0.0	
GALLONS OF WATER CONSUMED				GAL	TO AND FROM WHARF OR ANCHORAGE:		00:00		00:00	0.0	
				1,122	LOSS DUE TO NATURAL ELEMENTS:		00:00		00:00	0.0	
WORK PERFORMED					LOSS DUE TO TRAFFIC AND BRIDGES		00:00		00:00	0.0	
DREDGING AND HAULING			AGITATING		MINOR OPERATING REPAIRS:		00:00		00:00	0.0	
NO. OF LOADS	TOTAL CYS	DISPOSAL AREA	TOTAL CYS		TRANSFERRING BETWEEN WORKS:		00:00		00:00	0.0	
6	13,175	Mobile 102-SW	0		LAY TIME:		00:00		00:00	0.0	
					FIRE AND BOAT DRILLS:		00:00		00:00	0.0	
ATTENDANT PLANT					MISCELLANEOUS:		00:00		00:00	0.0	
ITEM	NAME OR NUMBER		H.P.	HOURS	TOTALS:		00:00		00:00	0.0	
40' Crewboat	Cape Anne		400	12:00	LOST TIME:						
					MAJOR REPAIRS AND ALTERATIONS:		00:00		00:00	0.0	
					CESSATION:		00:00		00:00	0.0	
					COLLISIONS:		00:00		00:00	0.0	
					TOTALS:		00:00		00:00	0.0	
					TOTAL TIME/MILES:		00:00		24:00	0.0	

QUALITY CONTROL REPORT-HOPPER DREDGE					PAGE NO. Page 414 of 494	
CONTRACT NO. W91278-16-D-0041 0001		CONTRACT TITLE IDIQ Rental Hopper Dredge in Mobile		CONTRACTOR Dutra Dredging Company		REPORT NO. 204
DREDGE		NAME AND TYPE M/V Columbia			DATE 23 Aug 2016 - Tuesday	
LOADS						
LOAD NUMBER	DREDGING AREA DISPOSAL AREA	START TIME STOP TIME (HH:MM)	PUMPING TURNING (MIN)	TO DUMP DUMPING TO CUT (MIN)	TOTAL TIME DREDGED AMOUNT AGITATED AMOUNT (MIN/CYS)	
1	Dredge 985+00 to 1050+00 Mobile 102-SW	00:00 00:01	1 0	60 4 0	65 2,635 0	
2	Dredge 985+00 to 1050+00 Mobile 102-SW	01:05 01:35	30 0	148 16 127	321 2,635 0	
3	Dredge 985+00 to 1050+00 Mobile 102-SW	06:26 06:57	31 0	145 4 138	318 2,635 0	
4	Dredge 985+00 to 1050+00 Mobile 102-SW	11:44 12:10	26 0	156 20 134	336 2,635 0	
5	Dredge 985+00 to 1050+00 Mobile 102-SW	17:20 17:48	28 0	136 4 144	312 2,635 0	
6	Dredge 985+00 to 1050+00 Mobile 102-SW	22:32 22:33	1 0	0 0 87	88 0 0	
QC NARRATIVE(S) GENERAL COMMENTS 1440 Minutes @ 100%						

QUALITY CONTROL REPORT-HOPPER DREDGE										PAGE NO. Page 415 of 494	
CONTRACT NO. W91278-16-D-0041 0001		CONTRACT TITLE IDIQ Rental Hopper Dredge in Mobile					CONTRACTOR Dutra Dredging Company			REPORT NO. 205	
CHARACTER OF REPORT		<input checked="" type="checkbox"/> MAINTENANCE <input type="checkbox"/> NEW WORK							DATE 24 Aug 2016 - Wednesday		
DREDGE (M/V Columbia)		HOPPER CAP: 4,387 CY		AVG VOL OF BIN WATER: 4,387 CY		AVG UNFILLED CAP: 4,387 CY					
		NO. OF CREW MEMBERS	DREDGE 13	OTHER PLANT 5	WORK SCHEDULE	SHIFTS PER DAY 2	DAYS PER WEEK 7				
LOCATION OF WORK		LOCATION CHANNEL Mobile Harbor	REACH DREDGED; STA TO STA Sta 958+00 to 1050+00		DISPOSAL AREA USE Mobile 102 -SW		QTY DEPOSITED GROSS(CY) 10,540	CUMULATIVE AND QTY DEPOSIT FOR DA(CY) 1,928,820			
		AVG LENGTH OF CUT 6,000 FT		AVG WIDTH OF CUT 400 FT		AVG DIST TO DUMP 23 NM					
CHARACTER OF MATERIAL		DENSITY OF MATERIALS						GMS/LITER 1.045			
		DENSITY OF WATER			1.006			GMS/LITER@ 86 °F			
RIVER/TIDE STAGE		MIN 1	TIME 00:00	MAX 0	TIME 00:00	GAGE LOCATION Dog River					
		MIN 2	TIME 00:00	MAX 0	TIME 00:00	GAGE DATUM MLLW					
WEATHER CONDITION		WEATHER Weather Caused No Delay		TEMP (min / max) 79 °F / 93 °F		VISIBILITY 10		WIND 12			
DRAFT					DISTRIBUTION OF TIME AND MILES RUN						
FORWARD	LIGHT		LOADED			AGITATING (MIN)	DREDGE & HAUL (MIN)	MILES RUN (NAUT MI)			
	8		15		EFFECTIVE WORKING TIME:						
AFT	10		16		PUMPING:	00:00	02:16	0.0			
					TURNING:	00:00	00:05	0.0			
DRAG DEPTH MAX 49 MIN 44					TO DUMP:	00:00	11:42	0.0			
					CONNECTING:	00:00	00:00	0.0			
INDICATORS LAST CHECKED ON 07/19/2016					DUMPING:	00:00	00:16	0.0			
					DISCONNECTING:	00:00	00:00	0.0			
AVERAGE SPEED OF DREDGE DURING LOADING				FT/MIN 2	TO CUT:	00:00	09:41	0.0			
AVERAGE SPEED OF DREDGE DURING AGITATING				FT/MIN 0	TOTALS:	00:00	24:00	0.0			
GALLONS OF FUEL OIL CONSUMED				GAL 1,977	NON-EFFECTIVE WORKING TIME:						
GALLONS OF WATER CONSUMED				GAL 935	TAKING ON FUEL AND SUPPLIES:	00:00	00:00	0.0			
WORK PERFORMED					TO AND FROM WHARF OR ANCHORAGE:	00:00	00:00	0.0			
DREDGING AND HAULING				AGITATING	LOSS DUE TO NATURAL ELEMENTS:	00:00	00:00	0.0			
NO. OF LOADS	TOTAL CYS	DISPOSAL AREA	TOTAL CYS		LOSS DUE TO TRAFFIC AND BRIDGES	00:00	00:00	0.0			
5	10,540	Mobile 102-SW	0		MINOR OPERATING REPAIRS:	00:00	00:00	0.0			
					TRANSFERRING BETWEEN WORKS:	00:00	00:00	0.0			
					LAY TIME:	00:00	00:00	0.0			
					FIRE AND BOAT DRILLS:	00:00	00:00	0.0			
ATTENDANT PLANT					MISCELLANEOUS:	00:00	00:00	0.0			
ITEM	NAME OR NUMBER		H.P.	HOURS	TOTALS:	00:00	00:00	0.0			
40' Crewboat	Cape Anne		400	12:00	LOST TIME:						
					MAJOR REPAIRS AND ALTERATIONS:	00:00	00:00	0.0			
					CESSATION:	00:00	00:00	0.0			
					COLLISIONS:	00:00	00:00	0.0			
					TOTALS:	00:00	00:00	0.0			
					TOTAL TIME/MILES:	00:00	24:00	0.0			

QUALITY CONTROL REPORT-HOPPER DREDGE					PAGE NO. <div>Page 416 of 494</div>	
CONTRACT NO. W91278-16-D-0041 0001		CONTRACT TITLE IDIQ Rental Hopper Dredge in Mobile		CONTRACTOR Dutra Dredging Company		REPORT NO. 205
DREDGE		NAME AND TYPE M/V Columbia			DATE 24 Aug 2016 - Wednesday	
LOADS						
LOAD NUMBER	DREDGING AREA DISPOSAL AREA	START TIME STOP TIME (HH:MM)	PUMPING TURNING (MIN)	TO DUMP DUMPING TO CUT (MIN)	TOTAL TIME DREDGED AMOUNT AGITATED AMOUNT (MIN/CYS)	
1	Dredge 985+00 to 1050+00 Mobile 102-SW	00:00 00:29	29 0	149 4 36	218 2,635 0	
2	Dredge 985+00 to 1050+00 Mobile 102-SW	03:38 04:07	29 0	145 4 136	314 2,635 0	
3	Dredge 985+00 to 1050+00 Mobile 102-SW	08:52 09:21	24 5	139 4 136	308 2,635 0	
4	Dredge 985+00 to 1050+00 Mobile 102-SW	14:00 14:30	30 0	150 4 133	317 2,635 0	
5	Dredge 985+00 to 1050+00 Mobile 102-SW	19:17 19:41	24 0	119 0 140	283 0 0	
QC NARRATIVE(S) GENERAL COMMENTS 1440 Minutes @ 100%						

QUALITY CONTROL REPORT-HOPPER DREDGE										PAGE NO. Page 417 of 494								
CONTRACT NO. W91278-16-D-0041 0001		CONTRACT TITLE IDIQ Rental Hopper Dredge in Mobile					CONTRACTOR Dutra Dredging Company			REPORT NO. 206								
CHARACTER OF REPORT		<input checked="" type="checkbox"/> MAINTENANCE <input type="checkbox"/> NEW WORK							DATE 25 Aug 2016 - Thursday									
DREDGE (M/V Columbia)		HOPPER CAP: 4,387 CY		AVG VOL OF BIN WATER: 4,387 CY			AVG UNFILLED CAP: 4,387 CY											
		NO. OF CREW MEMBERS	DREDGE 13	OTHER PLANT 5	WORK SCHEDULE	SHIFTS PER DAY 2		DAYS PER WEEK 7										
LOCATION OF WORK		LOCATION CHANNEL Mobile Harbor		REACH DREDGED; STA TO STA Sta 958+00 to 1050+00		DISPOSAL AREA USE Mobile 102 -SW		QTY DEPOSITED GROSS(CY) 15,810		CUMULATIVE AND QTY DEPOSIT FOR DA(CY) 1,944,630								
		AVG LENGTH OF CUT 6,000 FT			AVG WIDTH OF CUT 400 FT			AVG DIST TO DUMP 23 NM										
CHARACTER OF MATERIAL		DENSITY OF MATERIALS						GMS/LITER 1.045										
		DENSITY OF WATER			1.006			GMS/LITER@ 86 °F										
RIVER/TIDE STAGE		MIN 1	TIME 00:00	MAX 0	TIME 00:00	GAGE LOCATION Dog River												
		MIN 2	TIME 00:00	MAX 0	TIME 00:00	GAGE DATUM MLLW												
WEATHER CONDITION		WEATHER			TEMP (min / max)		VISIBILITY		WIND									
		Weather Caused No Delay			79 °F / 93 °F		10		12									
DRAFT					DISTRIBUTION OF TIME AND MILES RUN													
FORWARD		LIGHT		LOADED				AGITATING (MIN)		DREDGE & HAUL (MIN)		MILES RUN (NAUT MI)						
		8		15		EFFECTIVE WORKING TIME:												
AFT		10		16		PUMPING:		00:00		02:12		0.0						
						TURNING:		00:00		00:00		0.0						
DRAG DEPTH MAX 49 MIN 44					TO DUMP:		00:00		09:39		0.0							
					CONNECTING:		00:00		00:00		0.0							
INDICATORS LAST CHECKED ON 07/19/2016					DUMPING:		00:00		00:31		0.0							
					DISCONNECTING:		00:00		00:00		0.0							
AVERAGE SPEED OF DREDGE DURING LOADING							FT/MIN		2		TO CUT:		00:00		11:38		0.0	
AVERAGE SPEED OF DREDGE DURING AGITATING							FT/MIN		0		TOTALS:		00:00		24:00		0.0	
GALLONS OF FUEL OIL CONSUMED							GAL		3,043		NON-EFFECTIVE WORKING TIME:							
GALLONS OF WATER CONSUMED							GAL		748		TAKING ON FUEL AND SUPPLIES:		00:00		00:00		0.0	
WORK PERFORMED											TO AND FROM WHARF OR ANCHORAGE:		00:00		00:00		0.0	
													LOSS DUE TO NATURAL ELEMENTS:		00:00		00:00	
DREDGING AND HAULING				AGITATING						LOSS DUE TO TRAFFIC AND BRIDGES		00:00		00:00		0.0		
NO. OF LOADS	TOTAL CYS	DISPOSAL AREA		TOTAL CYS						MINOR OPERATING REPAIRS:		00:00		00:00		0.0		
6	15,810	Mobile 102-SW		0						TRANSFERRING BETWEEN WORKS:		00:00		00:00		0.0		
										LAY TIME:		00:00		00:00		0.0		
										FIRE AND BOAT DRILLS:		00:00		00:00		0.0		
ATTENDANT PLANT											MISCELLANEOUS:		00:00		00:00		0.0	
													TOTALS:		00:00		00:00	
ITEM		NAME OR NUMBER		H.P.		HOURS		LOST TIME:										
40' Crewboat		Cape Anne		400		12:00												
										MAJOR REPAIRS AND ALTERATIONS:		00:00		00:00		0.0		
										CESSATION:		00:00		00:00		0.0		
										COLLISIONS:		00:00		00:00		0.0		
										TOTALS:		00:00		00:00		0.0		
										TOTAL TIME/MILES:		00:00		24:00		0.0		

QUALITY CONTROL REPORT-HOPPER DREDGE			PAGE NO. Page 418 of 494
CONTRACT NO. W91278-16-D-0041 0001	CONTRACT TITLE IDIQ Rental Hopper Dredge in Mobile	CONTRACTOR Dutra Dredging Company	REPORT NO. 206
DREDGE	NAME AND TYPE M/V Columbia	DATE 25 Aug 2016 - Thursday	

LOADS					
LOAD NUMBER	DREDGING AREA DISPOSAL AREA	START TIME STOP TIME (HH:MM)	PUMPING TURNING (MIN)	TO DUMP DUMPING TO CUT (MIN)	TOTAL TIME DREDGED AMOUNT AGITATED AMOUNT (MIN/CYS)
1	Dredging 985+00 to 1050+0 Mobile 102-SW	00:00 00:01	1 0	18 4 0	23 2,635 0
2	Dredging 985+00 to 1050+0 Mobile 102-SW	00:23 00:54	31 0	136 4 137	308 2,635 0
3	Dredging 985+00 to 1050+0 Mobile 102-SW	05:31 05:56	25 0	140 15 130	310 2,635 0
4	Dredging 985+00 to 1050+0 Mobile 102-SW	10:41 11:12	31 0	147 4 142	324 2,635 0
5	Dredging 985+00 to 1050+0 Mobile 102-SW	16:05 16:29	24 0	138 4 147	313 2,635 0
6	Dredging 985+00 to 1050+0 Mobile 102-SW	21:18 21:38	20 0	0 0 142	162 2,635 0

QC NARRATIVE(S)

GENERAL COMMENTS

1440 Minutes @ 100%

QUALITY CONTROL REPORT-HOPPER DREDGE										PAGE NO. Page 419 of 494	
CONTRACT NO. W91278-16-D-0041 0001		CONTRACT TITLE IDIQ Rental Hopper Dredge in Mobile					CONTRACTOR Dutra Dredging Company			REPORT NO. 207	
CHARACTER OF REPORT		<input checked="" type="checkbox"/> MAINTENANCE <input type="checkbox"/> NEW WORK							DATE 26 Aug 2016 - Friday		
DREDGE (M/V Columbia)		HOPPER CAP: 4,387 CY		AVG VOL OF BIN WATER: 4,387 CY		AVG UNFILLED CAP: 4,387 CY					
		NO. OF CREW MEMBERS	DREDGE 13	OTHER PLANT 5	WORK SCHEDULE	SHIFTS PER DAY 2	DAYS PER WEEK 7				
LOCATION OF WORK		LOCATION CHANNEL Mobile Harbor	REACH DREDGED; STA TO STA Sta 958+00 to 1050+00		DISPOSAL AREA USE Mobile 102 -SW		QTY DEPOSITED GROSS(CY) 13,175	CUMULATIVE AND QTY DEPOSIT FOR DA(CY) 1,957,805			
		AVG LENGTH OF CUT 6,000 FT		AVG WIDTH OF CUT 400 FT		AVG DIST TO DUMP 23 NM					
CHARACTER OF MATERIAL		DENSITY OF MATERIALS						GMS/LITER 1.045			
		DENSITY OF WATER			1.006			GMS/LITER@ 86 °F			
RIVER/TIDE STAGE		MIN 1	TIME 00:00	MAX 0	TIME 00:00	GAGE LOCATION Dog River					
		MIN 2	TIME 00:00	MAX 0	TIME 00:00	GAGE DATUM MLLW					
WEATHER CONDITION		WEATHER Weather Caused No Delay		TEMP (min / max) 75 °F / 82 °F		VISIBILITY 10		WIND 8			
DRAFT					DISTRIBUTION OF TIME AND MILES RUN						
FORWARD		LIGHT		LOADED				AGITATING (MIN)	DREDGE & HAUL (MIN)	MILES RUN (NAUT MI)	
		8		15				EFFECTIVE WORKING TIME:			
AFT											
		10		16							
DRAG DEPTH MAX 49 MIN 44					PUMPING:		00:00	02:06	0.0		
INDICATORS LAST CHECKED ON 07/19/2016					TURNING:		00:00	00:00	0.0		
					TO DUMP:		00:00	09:33	0.0		
AVERAGE SPEED OF DREDGE DURING LOADING					CONNECTING:		00:00	00:00	0.0		
					DUMPING:		00:00	00:38	0.0		
AVERAGE SPEED OF DREDGE DURING AGITATING					DISCONNECTING:		00:00	00:00	0.0		
					TO CUT:		00:00	11:43	0.0		
GALLONS OF FUEL OIL CONSUMED					TOTALS:		00:00	24:00	0.0		
					NON-EFFECTIVE WORKING TIME:						
GALLONS OF WATER CONSUMED					TAKING ON FUEL AND SUPPLIES:		00:00	00:00	0.0		
					TO AND FROM WHARF OR ANCHORAGE:		00:00	00:00	0.0		
WORK PERFORMED					LOSS DUE TO NATURAL ELEMENTS:		00:00	00:00	0.0		
DREDGING AND HAULING				AGITATING		LOSS DUE TO TRAFFIC AND BRIDGES		00:00	00:00	0.0	
NO. OF LOADS	TOTAL CYS	DISPOSAL AREA		TOTAL CYS		MINOR OPERATING REPAIRS:		00:00	00:00	0.0	
6	13,175	Mobile 102-SW		0		TRANSFERRING BETWEEN WORKS:		00:00	00:00	0.0	
						LAY TIME:		00:00	00:00	0.0	
						FIRE AND BOAT DRILLS:		00:00	00:00	0.0	
ATTENDANT PLANT					MISCELLANEOUS:		00:00	00:00	0.0		
ITEM	NAME OR NUMBER		H.P.	HOURS	TOTALS:		00:00	00:00	0.0		
40' Crewboat	Cape Anne		400	12:00	LOST TIME:						
					MAJOR REPAIRS AND ALTERATIONS:		00:00	00:00	0.0		
					CESSATION:		00:00	00:00	0.0		
					COLLISIONS:		00:00	00:00	0.0		
					TOTALS:		00:00	00:00	0.0		
					TOTAL TIME/MILES:		00:00	24:00	0.0		

QUALITY CONTROL REPORT-HOPPER DREDGE					PAGE NO. Page 420 of 494	
CONTRACT NO. W91278-16-D-0041 0001		CONTRACT TITLE IDIQ Rental Hopper Dredge in Mobile		CONTRACTOR Dutra Dredging Company		REPORT NO. 207
DREDGE		NAME AND TYPE M/V Columbia			DATE 26 Aug 2016 - Friday	
LOADS						
LOAD NUMBER	DREDGING AREA DISPOSAL AREA	START TIME STOP TIME (HH:MM)	PUMPING TURNING (MIN)	TO DUMP DUMPING TO CUT (MIN)	TOTAL TIME DREDGED AMOUNT AGITATED AMOUNT (MIN/CYS)	
1	Dredge 985+00 to 1050+00 Mobile 102-SW	00:00 00:08	8 0	0 4 138	150 2,635 0	
2	Dredge 985+00 to 1050+00 Mobile 102-SW	02:30 03:02	32 0	133 19 143	327 2,635 0	
3	Dredge 985+00 to 1050+00 Mobile 102-SW	07:57 08:25	28 0	143 4 140	315 2,635 0	
4	Dredge 985+00 to 1050+00 Mobile 102-SW	13:12 13:44	32 0	160 7 140	339 2,635 0	
5	Dredge 985+00 to 1050+00 Mobile 102-SW	18:51 19:16	25 0	137 4 140	306 2,635 0	
6	Dredge 985+00 to 1050+00 Mobile 102-SW	23:57 23:58	1 0	0 0 2	3 0 0	
QC NARRATIVE(S)						
GENERAL COMMENTS						
1440 Minutes @ 100%						

QUALITY CONTROL REPORT-HOPPER DREDGE										PAGE NO. Page 421 of 494								
CONTRACT NO. W91278-16-D-0041 0001		CONTRACT TITLE IDIQ Rental Hopper Dredge in Mobile					CONTRACTOR Dutra Dredging Company			REPORT NO. 208								
CHARACTER OF REPORT		<input checked="" type="checkbox"/> MAINTENANCE <input type="checkbox"/> NEW WORK							DATE 27 Aug 2016 - Saturday									
DREDGE (M/V Columbia)		HOPPER CAP: 4,387 CY		AVG VOL OF BIN WATER: 4,387 CY			AVG UNFILLED CAP: 4,387 CY											
		NO. OF CREW MEMBERS	DREDGE 13	OTHER PLANT 5		WORK SCHEDULE		SHIFTS PER DAY 2		DAYS PER WEEK 7								
LOCATION OF WORK		LOCATION CHANNEL Mobile Harbor		REACH DREDGED; STA TO STA Sta 958+00 to 1050+00			DISPOSAL AREA USE Mobile 102 -SW		QTY DEPOSITED GROSS(CY) 10,540		CUMULATIVE AND QTY DEPOSIT FOR DA(CY) 1,968,345							
		AVG LENGTH OF CUT 6,000 FT			AVG WIDTH OF CUT 400 FT			AVG DIST TO DUMP 23 NM										
CHARACTER OF MATERIAL		DENSITY OF MATERIALS						GMS/LITER 1.045										
		DENSITY OF WATER				1.006		GMS/LITER@ 86 °F										
RIVER/TIDE STAGE		MIN 1	TIME 00:00	MAX 0	TIME 00:00	GAGE LOCATION Dog River												
		MIN 2	TIME 00:00	MAX 0	TIME 00:00	GAGE DATUM MLLW												
WEATHER CONDITION		WEATHER			TEMP (min / max)		VISIBILITY		WIND									
		Weather Caused No Delay			75 °F / 91 °F		10		21									
DRAFT					DISTRIBUTION OF TIME AND MILES RUN													
FORWARD		LIGHT		LOADED				AGITATING (MIN)		DREDGE & HAUL (MIN)		MILES RUN (NAUT MI)						
		8		15		EFFECTIVE WORKING TIME:												
AFT		10		16		PUMPING:		00:00		02:00		0.0						
						TURNING:		00:00		00:08		0.0						
DRAG DEPTH MAX 49 MIN 44					TO DUMP:		00:00		09:06		0.0							
					CONNECTING:		00:00		00:00		0.0							
INDICATORS LAST CHECKED ON 07/19/2016					DUMPING:		00:00		00:57		0.0							
					DISCONNECTING:		00:00		00:00		0.0							
AVERAGE SPEED OF DREDGE DURING LOADING							FT/MIN		2		TO CUT:		00:00		11:36		0.0	
AVERAGE SPEED OF DREDGE DURING AGITATING							FT/MIN		0		TOTALS:		00:00		23:47		0.0	
GALLONS OF FUEL OIL CONSUMED							GAL		3,054		NON-EFFECTIVE WORKING TIME:							
GALLONS OF WATER CONSUMED							GAL		935		TAKING ON FUEL AND SUPPLIES:		00:00		00:00		0.0	
WORK PERFORMED											TO AND FROM WHARF OR ANCHORAGE:		00:00		00:00		0.0	
													LOSS DUE TO NATURAL ELEMENTS:		00:00		00:00	
DREDGING AND HAULING					AGITATING						LOSS DUE TO TRAFFIC AND BRIDGES		00:00		00:13		0.0	
NO. OF LOADS	TOTAL CYS	DISPOSAL AREA		TOTAL CYS						MINOR OPERATING REPAIRS:		00:00		00:00		0.0		
5	10,540	Mobile 102-SW		0						TRANSFERRING BETWEEN WORKS:		00:00		00:00		0.0		
										LAY TIME:		00:00		00:00		0.0		
										FIRE AND BOAT DRILLS:		00:00		00:00		0.0		
ATTENDANT PLANT											MISCELLANEOUS:		00:00		00:00		0.0	
													TOTALS:		00:00		00:13	
ITEM		NAME OR NUMBER			H.P.		HOURS		LOST TIME:									
40' Crewboat		Cape Anne			400		12:00				MAJOR REPAIRS AND ALTERATIONS:		00:00		00:00		0.0	
											CESSATION:		00:00		00:00		0.0	
											COLLISIONS:		00:00		00:00		0.0	
											TOTALS:		00:00		00:00		0.0	
											TOTAL TIME/MILES:		00:00		24:00		0.0	

QUALITY CONTROL REPORT-HOPPER DREDGE					PAGE NO. Page 422 of 494	
CONTRACT NO. W91278-16-D-0041 0001		CONTRACT TITLE IDIQ Rental Hopper Dredge in Mobile		CONTRACTOR Dutra Dredging Company		REPORT NO. 208
DREDGE		NAME AND TYPE M/V Columbia			DATE 27 Aug 2016 - Saturday	
LOADS						
LOAD NUMBER	DREDGING AREA DISPOSAL AREA	START TIME STOP TIME (HH:MM)	PUMPING TURNING (MIN)	TO DUMP DUMPING TO CUT (MIN)	TOTAL TIME DREDGED AMOUNT AGITATED AMOUNT (MIN/CYS)	
1	Dredge 985+00 to 1050+00 Mobile 102-SW	00:00 00:25	25 0	143 4 128	300 2,635 0	
2	Dredge 985+00 to 1050+00 Mobile 102-SW	05:00 05:29	29 0	135 15 138	317 2,635 0	
3	Dredge 985+00 to 1050+00 Mobile 102-SW	10:17 10:49	32 0	135 30 132	329 2,635 0	
4	Dredge 985+00 to 1050+00 Mobile 102-SW	15:46 16:24	30 8	133 8 143	322 2,635 0	
5	Dredge 985+00 to 1050+00 Mobile 102-SW	21:21 21:25	4 0	0 0 155	159 0 0	
QC NARRATIVE(S) GENERAL COMMENTS 1427 Minutes @ 100% 13 Minutes @ 70% for Traffic						

QUALITY CONTROL REPORT-HOPPER DREDGE										PAGE NO. Page 423 of 494	
CONTRACT NO. W91278-16-D-0041 0001		CONTRACT TITLE IDIQ Rental Hopper Dredge in Mobile					CONTRACTOR Dutra Dredging Company			REPORT NO. 209	
CHARACTER OF REPORT		<input checked="" type="checkbox"/> MAINTENANCE <input type="checkbox"/> NEW WORK							DATE 28 Aug 2016 - Sunday		
DREDGE (M/V Columbia)		HOPPER CAP: 4,387 CY		AVG VOL OF BIN WATER: 4,387 CY		AVG UNFILLED CAP: 4,387 CY					
		NO. OF CREW MEMBERS	DREDGE 13	OTHER PLANT 5	WORK SCHEDULE	SHIFTS PER DAY 2	DAYS PER WEEK 7				
LOCATION OF WORK		LOCATION CHANNEL Mobile Harbor	REACH DREDGED; STA TO STA Sta 1050+00 to 1108+00		DISPOSAL AREA USE Mobile 102 -SW		QTY DEPOSITED GROSS(CY) 13,175	CUMULATIVE AND QTY DEPOSIT FOR DA(CY) 1,981,520			
		AVG LENGTH OF CUT 6,000 FT		AVG WIDTH OF CUT 400 FT		AVG DIST TO DUMP 23 NM					
CHARACTER OF MATERIAL		DENSITY OF MATERIALS						GMS/LITER 1.045			
		DENSITY OF WATER			1.006			GMS/LITER@ 86 °F			
RIVER/TIDE STAGE		MIN 1	TIME 00:00	MAX 0	TIME 00:00	GAGE LOCATION Dog River					
		MIN 2	TIME 00:00	MAX 0	TIME 00:00	GAGE DATUM MLLW					
WEATHER CONDITION		WEATHER Weather Caused No Delay		TEMP (min / max) 75 °F / 90 °F		VISIBILITY 10		WIND 16			
DRAFT					DISTRIBUTION OF TIME AND MILES RUN						
FORWARD		LIGHT		LOADED				AGITATING (MIN)	DREDGE & HAUL (MIN)	MILES RUN (NAUT MI)	
		8		15				EFFECTIVE WORKING TIME:			
AFT											
		10		16							
DRAG DEPTH MAX 49 MIN 44					PUMPING:		00:00	02:30	0.0		
INDICATORS LAST CHECKED ON 07/19/2016					TURNING:		00:00	00:06	0.0		
					TO DUMP:		00:00	11:03	0.0		
AVERAGE SPEED OF DREDGE DURING LOADING				FT/MIN	CONNECTING:		00:00	00:00	0.0		
				2	DUMPING:		00:00	00:28	0.0		
AVERAGE SPEED OF DREDGE DURING AGITATING				FT/MIN	DISCONNECTING:		00:00	00:00	0.0		
				0	TO CUT:		00:00	09:53	0.0		
GALLONS OF FUEL OIL CONSUMED				GAL	TOTALS:		00:00	24:00	0.0		
				2,848	NON-EFFECTIVE WORKING TIME:						
GALLONS OF WATER CONSUMED				GAL	TAKING ON FUEL AND SUPPLIES:		00:00	00:00	0.0		
				485	TO AND FROM WHARF OR ANCHORAGE:		00:00	00:00	0.0		
WORK PERFORMED					LOSS DUE TO NATURAL ELEMENTS:		00:00	00:00	0.0		
DREDGING AND HAULING				AGITATING		LOSS DUE TO TRAFFIC AND BRIDGES		00:00	00:00	0.0	
NO. OF LOADS	TOTAL CYS	DISPOSAL AREA		TOTAL CYS		MINOR OPERATING REPAIRS:		00:00	00:00	0.0	
6	13,175	Mobile 102-SW		0		TRANSFERRING BETWEEN WORKS:		00:00	00:00	0.0	
						LAY TIME:		00:00	00:00	0.0	
						FIRE AND BOAT DRILLS:		00:00	00:00	0.0	
ATTENDANT PLANT					MISCELLANEOUS:		00:00	00:00	0.0		
ITEM	NAME OR NUMBER		H.P.	HOURS	TOTALS:		00:00	00:00	0.0		
40' Crewboat	Cape Anne		400	12:00	LOST TIME:						
					MAJOR REPAIRS AND ALTERATIONS:		00:00	00:00	0.0		
					CESSATION:		00:00	00:00	0.0		
					COLLISIONS:		00:00	00:00	0.0		
					TOTALS:		00:00	00:00	0.0		
					TOTAL TIME/MILES:		00:00	24:00	0.0		

QUALITY CONTROL REPORT-HOPPER DREDGE					PAGE NO. Page 424 of 494	
CONTRACT NO. W91278-16-D-0041 0001		CONTRACT TITLE IDIQ Rental Hopper Dredge in Mobile		CONTRACTOR Dutra Dredging Company		REPORT NO. 209
DREDGE		NAME AND TYPE M/V Columbia			DATE 28 Aug 2016 - Sunday	
LOADS						
LOAD NUMBER	DREDGING AREA DISPOSAL AREA	START TIME STOP TIME (HH:MM)	PUMPING TURNING (MIN)	TO DUMP DUMPING TO CUT (MIN)	TOTAL TIME DREDGED AMOUNT AGITATED AMOUNT (MIN/CYS)	
1	Dredging 1050 to 1108+00 Mobile 102-SW	00:00 00:29	29 0	131 4 0	164 2,635 0	
2	Dredging 1050 to 1108+00 Mobile 102-SW	02:44 03:12	28 0	131 8 140	307 2,635 0	
3	Dredging 1050 to 1108+00 Mobile 102-SW	07:51 08:29	32 6	129 4 128	299 2,635 0	
4	Dredging 1050 to 1108+00 Mobile 102-SW	12:50 13:22	32 0	133 8 140	313 2,635 0	
5	Dredging 1050 to 1108+00 Mobile 102-SW	18:03 18:31	28 0	139 4 134	305 2,635 0	
6	Dredging 1050 to 1108+00 Mobile 102-SW	23:08 23:09	1 0	0 0 51	52 0 0	
QC NARRATIVE(S) GENERAL COMMENTS 1440 Minutes @ 100%						

QUALITY CONTROL REPORT-HOPPER DREDGE										PAGE NO. Page 425 of 494							
CONTRACT NO. W91278-16-D-0041 0001		CONTRACT TITLE IDIQ Rental Hopper Dredge in Mobile					CONTRACTOR Dutra Dredging Company			REPORT NO. 210							
CHARACTER OF REPORT		<input checked="" type="checkbox"/> MAINTENANCE <input type="checkbox"/> NEW WORK							DATE 29 Aug 2016 - Monday								
DREDGE (M/V Columbia)		HOPPER CAP: 4,387 CY		AVG VOL OF BIN WATER: 4,387 CY		AVG UNFILLED CAP: 4,387 CY											
		NO. OF CREW MEMBERS	DREDGE 13	OTHER PLANT 5	WORK SCHEDULE	SHIFTS PER DAY 2	DAYS PER WEEK 7										
LOCATION OF WORK		LOCATION CHANNEL Mobile Harbor		REACH DREDGED; STA TO STA Sta 1050+00 to 1108+00		DISPOSAL AREA USE Mobile 102 -SW		QTY DEPOSITED GROSS(CY) 10,540		CUMULATIVE AND QTY DEPOSIT FOR DA(CY) 1,992,060							
		AVG LENGTH OF CUT 6,000 FT		AVG WIDTH OF CUT 400 FT		AVG DIST TO DUMP 23 NM											
CHARACTER OF MATERIAL		DENSITY OF MATERIALS						GMS/LITER 1.045									
		DENSITY OF WATER			1.006			GMS/LITER@ 86 °F									
RIVER/TIDE STAGE		MIN 2	TIME 00:00	MAX 0	TIME 00:00	GAGE LOCATION Dog River											
		MIN 2	TIME 00:00	MAX 0	TIME 00:00	GAGE DATUM MLLW											
WEATHER CONDITION		WEATHER			TEMP (min / max)		VISIBILITY		WIND								
		Weather Caused No Delay			76 °F / 92 °F		10		20								
DRAFT					DISTRIBUTION OF TIME AND MILES RUN												
FORWARD		LIGHT		LOADED				AGITATING (MIN)		DREDGE & HAUL (MIN)		MILES RUN (NAUT MI)					
		8		15		EFFECTIVE WORKING TIME:											
AFT		10		16		PUMPING:		00:00		02:22		0.0					
						TURNING:		00:00		00:04		0.0					
DRAG DEPTH MAX 49 MIN 44					TO DUMP:		00:00		10:29		0.0						
					CONNECTING:		00:00		00:00		0.0						
INDICATORS LAST CHECKED ON 07/19/2016					DUMPING:		00:00		00:36		0.0						
					DISCONNECTING:		00:00		00:00		0.0						
AVERAGE SPEED OF DREDGE DURING LOADING						FT/MIN		2		TO CUT:		00:00		10:19		0.0	
AVERAGE SPEED OF DREDGE DURING AGITATING						FT/MIN		0		TOTALS:		00:00		23:50		0.0	
GALLONS OF FUEL OIL CONSUMED						GAL		3,109		NON-EFFECTIVE WORKING TIME:							
GALLONS OF WATER CONSUMED						GAL		560		TAKING ON FUEL AND SUPPLIES:		00:00		00:00		0.0	
WORK PERFORMED					TO AND FROM WHARF OR ANCHORAGE:		00:00		00:00		0.0						
DREDGING AND HAULING				AGITATING		LOSS DUE TO NATURAL ELEMENTS:		00:00		00:00		0.0					
NO. OF LOADS	TOTAL CYS	DISPOSAL AREA		TOTAL CYS		LOSS DUE TO TRAFFIC AND BRIDGES		00:00		00:10		0.0					
5	10,540	Mobile 102-SW		0		MINOR OPERATING REPAIRS:		00:00		00:00		0.0					
						TRANSFERRING BETWEEN WORKS:		00:00		00:00		0.0					
						LAY TIME:		00:00		00:00		0.0					
						FIRE AND BOAT DRILLS:		00:00		00:00		0.0					
ATTENDANT PLANT					MISCELLANEOUS:		00:00		00:00		0.0						
ITEM		NAME OR NUMBER		H.P.	HOURS	TOTALS:		00:00		00:10		0.0					
40' Crewboat		Cape Anne		400	12:00	LOST TIME:											
						MAJOR REPAIRS AND ALTERATIONS:		00:00		00:00		0.0					
						CESSATION:		00:00		00:00		0.0					
						COLLISIONS:		00:00		00:00		0.0					
						TOTALS:		00:00		00:00		0.0					
						TOTAL TIME/MILES:		00:00		24:00		0.0					

QUALITY CONTROL REPORT-HOPPER DREDGE					PAGE NO. Page 426 of 494	
CONTRACT NO. W91278-16-D-0041 0001		CONTRACT TITLE IDIQ Rental Hopper Dredge in Mobile		CONTRACTOR Dutra Dredging Company		REPORT NO. 210
DREDGE		NAME AND TYPE M/V Columbia			DATE 29 Aug 2016 - Monday	
LOADS						
LOAD NUMBER	DREDGING AREA DISPOSAL AREA	START TIME STOP TIME (HH:MM)	PUMPING TURNING (MIN)	TO DUMP DUMPING TO CUT (MIN)	TOTAL TIME DREDGED AMOUNT AGITATED AMOUNT (MIN/CYS)	
1	Sta 1050+00 to 1108+00 Mobile 102-SW	00:00 00:32	32 0	136 20 81	269 2,635 0	
2	Sta 1050+00 to 1108+00 Mobile 102-SW	04:29 05:00	27 4	132 8 142	313 2,635 0	
3	Sta 1050+00 to 1108+00 Mobile 102-SW	09:42 10:11	29 0	135 4 130	298 2,635 0	
4	Sta 1050+00 to 1108+00 Mobile 102-SW	14:40 15:08	28 0	149 4 132	313 2,635 0	
5	Sta 1050+00 to 1108+00 Mobile 102-SW	19:53 20:19	26 0	77 0 134	237 0 0	
QC NARRATIVE(S) GENERAL COMMENTS 1430 Minutes @ 100% 10 Minutes @ 70% for Traffic						

QUALITY CONTROL REPORT-HOPPER DREDGE										PAGE NO. Page 427 of 494	
CONTRACT NO. W91278-16-D-0041 0001		CONTRACT TITLE IDIQ Rental Hopper Dredge in Mobile					CONTRACTOR Dutra Dredging Company			REPORT NO. 211	
CHARACTER OF REPORT		<input checked="" type="checkbox"/> MAINTENANCE <input type="checkbox"/> NEW WORK							DATE 30 Aug 2016 - Tuesday		
DREDGE (M/V Columbia)		HOPPER CAP: 4,387 CY		AVG VOL OF BIN WATER: 4,387 CY		AVG UNFILLED CAP: 4,387 CY					
		NO. OF CREW MEMBERS	DREDGE 13	OTHER PLANT 5	WORK SCHEDULE	SHIFTS PER DAY 2	DAYS PER WEEK 7				
LOCATION OF WORK		LOCATION CHANNEL Mobile Harbor	REACH DREDGED; STA TO STA Sta 1050+00 to 1108+00		DISPOSAL AREA USE Mobile 102 -SW		QTY DEPOSITED GROSS(CY) 13,175	CUMULATIVE AND QTY DEPOSIT FOR DA(CY) 2,005,235			
		AVG LENGTH OF CUT 6,000 FT		AVG WIDTH OF CUT 400 FT		AVG DIST TO DUMP 23 NM					
CHARACTER OF MATERIAL		DENSITY OF MATERIALS					GMS/LITER 1.045				
		DENSITY OF WATER			1.006		GMS/LITER@ 86 °F				
RIVER/TIDE STAGE		MIN 2	TIME 00:00	MAX 0	TIME 00:00	GAGE LOCATION Dog River					
		MIN 2	TIME 00:00	MAX 0	TIME 00:00	GAGE DATUM MLLW					
WEATHER CONDITION		WEATHER Weather Caused No Delay		TEMP (min / max) 76 °F / 92 °F		VISIBILITY 10		WIND 22			
DRAFT					DISTRIBUTION OF TIME AND MILES RUN						
FORWARD	LIGHT		LOADED			AGITATING (MIN)	DREDGE & HAUL (MIN)	MILES RUN (NAUT MI)			
	8		15		EFFECTIVE WORKING TIME:						
AFT	10		16		PUMPING:	00:00	01:53	0.0			
					TURNING:	00:00	00:00	0.0			
DRAG DEPTH MAX 49 MIN 44				TO DUMP:		00:00	10:37	0.0			
				CONNECTING:		00:00	00:00	0.0			
INDICATORS LAST CHECKED ON 07/19/2016				DUMPING:		00:00	00:39	0.0			
				DISCONNECTING:		00:00	00:00	0.0			
AVERAGE SPEED OF DREDGE DURING LOADING			FT/MIN		2	TO CUT:		00:00	10:51	0.0	
AVERAGE SPEED OF DREDGE DURING AGITATING			FT/MIN		0	TOTALS:		00:00	24:00	0.0	
GALLONS OF FUEL OIL CONSUMED			GAL		2,768	NON-EFFECTIVE WORKING TIME:					
GALLONS OF WATER CONSUMED			GAL		1,120	TAKING ON FUEL AND SUPPLIES:	00:00	00:00	0.0		
WORK PERFORMED					TO AND FROM WHARF OR ANCHORAGE:		00:00	00:00	0.0		
					LOSS DUE TO NATURAL ELEMENTS:		00:00	00:00	0.0		
DREDGING AND HAULING			AGITATING		LOSS DUE TO TRAFFIC AND BRIDGES		00:00	00:00	0.0		
NO. OF LOADS	TOTAL CYS	DISPOSAL AREA		TOTAL CYS		MINOR OPERATING REPAIRS:		00:00	00:00	0.0	
6	13,175	Mobile 102-SW		0		TRANSFERRING BETWEEN WORKS:		00:00	00:00	0.0	
						LAY TIME:		00:00	00:00	0.0	
						FIRE AND BOAT DRILLS:		00:00	00:00	0.0	
ATTENDANT PLANT					MISCELLANEOUS:		00:00	00:00	0.0		
					TOTALS:		00:00	00:00	0.0		
ITEM					NAME OR NUMBER		H.P.	HOURS	LOST TIME:		
40' Crewboat		Cape Anne		400	12:00	MAJOR REPAIRS AND ALTERATIONS:		00:00	00:00	0.0	
						CESSATION:		00:00	00:00	0.0	
						COLLISIONS:		00:00	00:00	0.0	
						TOTALS:		00:00	00:00	0.0	
						TOTAL TIME/MILES:		00:00	24:00	0.0	

QUALITY CONTROL REPORT-HOPPER DREDGE					PAGE NO. Page 428 of 494	
CONTRACT NO. W91278-16-D-0041 0001		CONTRACT TITLE IDIQ Rental Hopper Dredge in Mobile		CONTRACTOR Dutra Dredging Company		REPORT NO. 211
DREDGE		NAME AND TYPE M/V Columbia			DATE 30 Aug 2016 - Tuesday	
LOADS						
LOAD NUMBER	DREDGING AREA DISPOSAL AREA	START TIME STOP TIME (HH:MM)	PUMPING TURNING (MIN)	TO DUMP DUMPING TO CUT (MIN)	TOTAL TIME DREDGED AMOUNT AGITATED AMOUNT (MIN/CYS)	
1	Sta 1050+00 to 1108+00 Mobile 102-SW	00:00 00:01	1 0	71 23 0	95 2,635 0	
2	Sta 1050+00 to 1108+00 Mobile 102-SW	01:35 02:04	29 0	132 4 135	300 2,635 0	
3	Sta 1050+00 to 1108+00 Mobile 102-SW	06:35 07:05	30 0	151 4 138	323 2,635 0	
4	Sta 1050+00 to 1108+00 Mobile 102-SW	11:58 12:25	27 0	139 4 150	320 2,635 0	
5	Sta 1050+00 to 1108+00 Mobile 102-SW	17:18 17:43	25 0	144 4 147	320 2,635 0	
6	Sta 1050+00 to 1108+00 Mobile 102-SW	22:38 22:39	1 0	0 0 81	82 0 0	
QC NARRATIVE(S)						
GENERAL COMMENTS						
1440 Minutes @ 100%						

QUALITY CONTROL REPORT-HOPPER DREDGE										PAGE NO. Page 429 of 494	
CONTRACT NO. W91278-16-D-0041 0001		CONTRACT TITLE IDIQ Rental Hopper Dredge in Mobile					CONTRACTOR Dutra Dredging Company			REPORT NO. 212	
CHARACTER OF REPORT		<input checked="" type="checkbox"/> MAINTENANCE <input type="checkbox"/> NEW WORK							DATE 31 Aug 2016 - Wednesday		
DREDGE (M/V Columbia)		HOPPER CAP: 4,387 CY		AVG VOL OF BIN WATER: 4,387 CY			AVG UNFILLED CAP: 4,387 CY				
		NO. OF CREW MEMBERS	DREDGE 13	OTHER PLANT 5	WORK SCHEDULE	SHIFTS PER DAY 2	DAYS PER WEEK 7				
LOCATION OF WORK		LOCATION CHANNEL Mobile Harbor	REACH DREDGED; STA TO STA Sta 1050+00 to 1108+00			DISPOSAL AREA USE Mobile 102 -SW	QTY DEPOSITED GROSS(CY) 10,540	CUMULATIVE AND QTY DEPOSIT FOR DA(CY) 2,015,775			
		AVG LENGTH OF CUT 6,000 FT		AVG WIDTH OF CUT 400 FT		AVG DIST TO DUMP 23 NM					
CHARACTER OF MATERIAL		DENSITY OF MATERIALS						GMS/LITER 1.045			
		DENSITY OF WATER			1.006			GMS/LITER@ 86 °F			
RIVER/TIDE STAGE		MIN 2	TIME 00:00	MAX 0	TIME 00:00	GAGE LOCATION Dog River					
		MIN 1	TIME 00:00	MAX 0	TIME 00:00	GAGE DATUM MLLW					
WEATHER CONDITION		WEATHER			TEMP (min / max)		VISIBILITY	WIND			
		Weather Caused No Delay			76 °F / 91 °F		10	23			
DRAFT					DISTRIBUTION OF TIME AND MILES RUN						
FORWARD	LIGHT		LOADED			AGITATING (MIN)	DREDGE & HAUL (MIN)	MILES RUN (NAUT MI)			
	8		15		EFFECTIVE WORKING TIME:						
AFT	10		16		PUMPING:	00:00	02:20	0.0			
					TURNING:	00:00	00:20	0.0			
DRAG DEPTH MAX 49 MIN 44				TO DUMP:		00:00	10:39	0.0			
				CONNECTING:		00:00	00:00	0.0			
INDICATORS LAST CHECKED ON 07/19/2016				DUMPING:		00:00	00:16	0.0			
				DISCONNECTING:		00:00	00:00	0.0			
AVERAGE SPEED OF DREDGE DURING LOADING			FT/MIN	2	TO CUT:		00:00	10:25	0.0		
AVERAGE SPEED OF DREDGE DURING AGITATING			FT/MIN	0	TOTALS:		00:00	24:00	0.0		
GALLONS OF FUEL OIL CONSUMED			GAL	2,012	NON-EFFECTIVE WORKING TIME:						
GALLONS OF WATER CONSUMED			GAL	784	TAKING ON FUEL AND SUPPLIES:	00:00	00:00	0.0			
WORK PERFORMED				TO AND FROM WHARF OR ANCHORAGE:		00:00	00:00	0.0			
				LOSS DUE TO NATURAL ELEMENTS:		00:00	00:00	0.0			
DREDGING AND HAULING				AGITATING		LOSS DUE TO TRAFFIC AND BRIDGES		00:00	00:00	0.0	
NO. OF LOADS	TOTAL CYS	DISPOSAL AREA	TOTAL CYS		MINOR OPERATING REPAIRS:		00:00	00:00	0.0		
5	10,540	Mobile 102-SW	0		TRANSFERRING BETWEEN WORKS:		00:00	00:00	0.0		
					LAY TIME:		00:00	00:00	0.0		
					FIRE AND BOAT DRILLS:		00:00	00:00	0.0		
ATTENDANT PLANT				MISCELLANEOUS:		00:00	00:00	0.0			
				TOTALS:		00:00	00:00	0.0			
ITEM	NAME OR NUMBER		H.P.	HOURS	LOST TIME:						
40' Crewboat	Cape Anne		400	12:00	MAJOR REPAIRS AND ALTERATIONS:		00:00	00:00	0.0		
					CESSATION:		00:00	00:00	0.0		
					COLLISIONS:		00:00	00:00	0.0		
					TOTALS:		00:00	00:00	0.0		
					TOTAL TIME/MILES:		00:00	24:00	0.0		

QUALITY CONTROL REPORT-HOPPER DREDGE					PAGE NO. <div>Page 430 of 494</div>	
CONTRACT NO. W91278-16-D-0041 0001		CONTRACT TITLE IDIQ Rental Hopper Dredge in Mobile		CONTRACTOR Dutra Dredging Company		REPORT NO. 212
DREDGE		NAME AND TYPE M/V Columbia			DATE 31 Aug 2016 - Wednesday	
LOADS						
LOAD NUMBER	DREDGING AREA DISPOSAL AREA	START TIME STOP TIME (HH:MM)	PUMPING TURNING (MIN)	TO DUMP DUMPING TO CUT (MIN)	TOTAL TIME DREDGED AMOUNT AGITATED AMOUNT (MIN/CYS)	
1	Sta 1050+00 to 1108+00 Mobile 102-SW	00:00 00:30	30 0	135 4 63	232 2,635 0	
2	Sta 1050+00 to 1108+00 Mobile 102-SW	03:52 04:22	30 0	151 4 139	324 2,635 0	
3	Sta 1050+00 to 1108+00 Mobile 102-SW	09:16 10:03	27 20	132 4 142	325 2,635 0	
4	Sta 1050+00 to 1108+00 Mobile 102-SW	14:41 15:09	28 0	141 4 140	313 2,635 0	
5	Sta 1050+00 to 1108+00 Mobile 102-SW	19:54 20:19	25 0	80 0 141	246 0 0	
<div>QC NARRATIVE(S)</div> <div>GENERAL COMMENTS</div> <div>1440 Minutes @ 100%</div>						

QUALITY CONTROL REPORT-HOPPER DREDGE										PAGE NO. Page 431 of 494	
CONTRACT NO. W91278-16-D-0041 0001		CONTRACT TITLE IDIQ Rental Hopper Dredge in Mobile					CONTRACTOR Dutra Dredging Company			REPORT NO. 213	
CHARACTER OF REPORT		<input checked="" type="checkbox"/> MAINTENANCE <input type="checkbox"/> NEW WORK							DATE 01 Sep 2016 - Thursday		
DREDGE (M/V Columbia)		HOPPER CAP: 4,387 CY		AVG VOL OF BIN WATER: 4,387 CY			AVG UNFILLED CAP: 4,387 CY				
		NO. OF CREW MEMBERS	DREDGE 13	OTHER PLANT 5	WORK SCHEDULE	SHIFTS PER DAY 2	DAYS PER WEEK 7				
LOCATION OF WORK		LOCATION CHANNEL Mobile Harbor	REACH DREDGED; STA TO STA Sta 1050+00 to 1108+00			DISPOSAL AREA USE Mobile 102 -SW	QTY DEPOSITED GROSS(CY) 7,905	CUMULATIVE AND QTY DEPOSIT FOR DA(CY) 2,023,680			
		AVG LENGTH OF CUT 6,000 FT		AVG WIDTH OF CUT 400 FT		AVG DIST TO DUMP 23 NM					
CHARACTER OF MATERIAL		DENSITY OF MATERIALS						GMS/LITER 1.045			
		DENSITY OF WATER			1.006			GMS/LITER@ 86 °F			
RIVER/TIDE STAGE		MIN 0	TIME 00:00	MAX 0	TIME 00:00	GAGE LOCATION Dog River					
		MIN 1	TIME 00:00	MAX 0	TIME 00:00	GAGE DATUM MLLW					
WEATHER CONDITION		WEATHER			TEMP (min / max)		VISIBILITY	WIND			
		Weather Caused Critical Delay			76 °F / 90 °F		10	23			
DRAFT					DISTRIBUTION OF TIME AND MILES RUN						
FORWARD		LIGHT		LOADED				AGITATING (MIN)	DREDGE & HAUL (MIN)	MILES RUN (NAUT MI)	
		8		15							
AFT						EFFECTIVE WORKING TIME:					
		10		16							
DRAG DEPTH MAX 49 MIN 44					PUMPING:		00:00	00:54	0.0		
INDICATORS LAST CHECKED ON 07/19/2016					TURNING:		00:00	00:06	0.0		
					TO DUMP:		00:00	05:54	0.0		
AVERAGE SPEED OF DREDGE DURING LOADING					CONNECTING:		00:00	00:00	0.0		
					DUMPING:		00:00	00:12	0.0		
AVERAGE SPEED OF DREDGE DURING AGITATING					DISCONNECTING:		00:00	00:00	0.0		
					TO CUT:		00:00	06:04	0.0		
GALLONS OF FUEL OIL CONSUMED					TOTALS:		00:00	13:10	0.0		
					NON-EFFECTIVE WORKING TIME:						
GALLONS OF WATER CONSUMED					TAKING ON FUEL AND SUPPLIES:		00:00	00:00	0.0		
					TO AND FROM WHARF OR ANCHORAGE:		00:00	00:00	0.0		
WORK PERFORMED					LOSS DUE TO NATURAL ELEMENTS:		00:00	00:00	0.0		
DREDGING AND HAULING				AGITATING		LOSS DUE TO TRAFFIC AND BRIDGES		00:00	10:50	0.0	
NO. OF LOADS	TOTAL CYS	DISPOSAL AREA		TOTAL CYS		MINOR OPERATING REPAIRS:		00:00	00:00	0.0	
4	7,905	Mobile 102-SW		0		TRANSFERRING BETWEEN WORKS:		00:00	00:00	0.0	
						LAY TIME:		00:00	00:00	0.0	
						FIRE AND BOAT DRILLS:		00:00	00:00	0.0	
ATTENDANT PLANT					MISCELLANEOUS:		00:00	00:00	0.0		
ITEM	NAME OR NUMBER		H.P.	HOURS	TOTALS:		00:00	10:50	0.0		
40' Crewboat	Cape Anne		400	12:00	LOST TIME:						
					MAJOR REPAIRS AND ALTERATIONS:		00:00	00:00	0.0		
					CESSATION:		00:00	00:00	0.0		
					COLLISIONS:		00:00	00:00	0.0		
					TOTALS:		00:00	00:00	0.0		
					TOTAL TIME/MILES:		00:00	24:00	0.0		

QUALITY CONTROL REPORT-HOPPER DREDGE					PAGE NO. Page 432 of 494	
CONTRACT NO. W91278-16-D-0041 0001		CONTRACT TITLE IDIQ Rental Hopper Dredge in Mobile		CONTRACTOR Dutra Dredging Company		REPORT NO. 213
DREDGE		NAME AND TYPE M/V Columbia			DATE 01 Sep 2016 - Thursday	
LOADS						
LOAD NUMBER	DREDGING AREA DISPOSAL AREA	START TIME STOP TIME (HH:MM)	PUMPING TURNING (MIN)	TO DUMP DUMPING TO CUT (MIN)	TOTAL TIME DREDGED AMOUNT AGITATED AMOUNT (MIN/CYS)	
1	Sta 1050+00 to 1108+00 Mobile 102-SW	00:00 00:01	1 0	73 4 0	78 2,635 0	
2	Sta 1050+00 to 1108+00 Mobile 102-SW	01:18 01:49	25 6	143 4 145	323 2,635 0	
3	Sta 1050+00 to 1108+00 Mobile 102-SW	06:41 07:08	27 0	138 4 149	318 2,635 0	
4	Sta 1050+00 to 1108+00 Mobile 102-SW	11:59 12:00	1 0	0 0 70	71 0 0	
QC NARRATIVE(S)						
GENERAL COMMENTS						
790 Minutes @ 100%						
650 Minutes @ 70%						

QUALITY CONTROL REPORT-HOPPER DREDGE									PAGE NO.	
									Page 433 of 494	
CONTRACT NO. W91278-16-D-0041 0001		CONTRACT TITLE IDIQ Rental Hopper Dredge in Mobile				CONTRACTOR Dutra Dredging Company			REPORT NO. 214	
CHARACTER OF REPORT		<input checked="" type="checkbox"/> MAINTENANCE <input type="checkbox"/> NEW WORK						DATE 02 Sep 2016 - Friday		
DREDGE (M/V Columbia)		HOPPER CAP:_____ 4,387 ____ CY		AVG VOL OF BIN WATER:_____ 4,387 ____ CY		AVG UNFILLED CAP:_____ 4,387 ____ CY				
		NO. OF CREW MEMBERS 13	DREDGE 13	OTHER PLANT 5	WORK SCHEDULE	SHIFTS PER DAY 2	DAYS PER WEEK 7			
LOCATION OF WORK		LOCATION CHANNEL Mobile Harbor		REACH DREDGED; STA TO STA Sta 1050+00 to 1108+00		DISPOSAL AREA USE Mobile 102 -SW		QTY DEPOSITED GROSS(CY) 5,270	CUMULATIVE AND QTY DEPOSIT FOR DA(CY) 2,028,950	
		AVG LENGTH OF CUT _____ 6,000 ____ FT		AVG WIDTH OF CUT _____ 400 ____ FT		AVG DIST TO DUMP _____ 23 ____ NM				
CHARACTER OF MATERIAL		DENSITY OF MATERIALS			_____			GMS/LITER _____ 1.045		
		DENSITY OF WATER			_____ 1.006			GMS/LITER@ _____ 86 °F		
RIVER/TIDE STAGE		MIN	2	TIME	00:00	MAX	0	TIME	00:00	GAGE LOCATION Dog River
		MIN	0	TIME	00:00	MAX	0	TIME	00:00	GAGE DATUM MLLW
WEATHER CONDITION		WEATHER Weather Caused Critical Delay			TEMP (min / max) 77 °F / 96 °F		VISIBILITY 10	WIND 24		
DRAFT						DISTRIBUTION OF TIME AND MILES RUN				
FORWARD		LIGHT	LOADED				AGITATING (MIN)	DREDGE & HAUL (MIN)	MILES RUN (NAUT MI)	
		8	15							
AFT		10		16		EFFECTIVE WORKING TIME:				
						PUMPING:	00:00	01:07	0.0	
						TURNING:	00:00	00:00	0.0	
						TO DUMP:	00:00	04:38	0.0	
						CONNECTING:	00:00	00:00	0.0	
						DUMPING:	00:00	00:08	0.0	
						DISCONNECTING:	00:00	00:00	0.0	
						TO CUT:	00:00	05:19	0.0	
						TOTALS:	00:00	11:12	0.0	
DRAG DEPTH		MAX _____ 49 MIN _____ 44								
INDICATORS LAST CHECKED ON		____ 07/19/2016								
AVERAGE SPEED OF DREDGE DURING LOADING				FT/MIN	2					
AVERAGE SPEED OF DREDGE DURING AGITATING				FT/MIN	0					
GALLONS OF FUEL OIL CONSUMED				GAL	875					
GALLONS OF WATER CONSUMED				GAL	562					
WORK PERFORMED						NON-EFFECTIVE WORKING TIME:				
DREDGING AND HAULING				AGITATING		TAKING ON FUEL AND SUPPLIES:		00:00	04:13	0.0
NO. OF LOADS	TOTAL CYS	DISPOSAL AREA		TOTAL CYS		TO AND FROM WHARF OR ANCHORAGE:		00:00	01:55	0.0
3	5,270	Mobile 102-SW		0		LOSS DUE TO NATURAL ELEMENTS:		00:00	06:40	0.0
						LOSS DUE TO TRAFFIC AND BRIDGES		00:00	00:00	0.0
						MINOR OPERATING REPAIRS:		00:00	00:00	0.0
						TRANSFERRING BETWEEN WORKS:		00:00	00:00	0.0
						LAY TIME:		00:00	00:00	0.0
						FIRE AND BOAT DRILLS:		00:00	00:00	0.0
ATTENDANT PLANT						MISCELLANEOUS:		00:00	00:00	0.0
ITEM	NAME OR NUMBER			H.P.	HOURS	TOTALS:		00:00	12:48	0.0
40' Crewboat	Cape Anne			400	12:00	LOST TIME:				
						MAJOR REPAIRS AND ALTERATIONS:		00:00	00:00	0.0
						CESSATION:		00:00	00:00	0.0
						COLLISIONS:		00:00	00:00	0.0
						TOTALS:		00:00	00:00	0.0
						TOTAL TIME/MILES:		00:00	24:00	0.0

QUALITY CONTROL REPORT-HOPPER DREDGE			PAGE NO. Page 434 of 494
CONTRACT NO. W91278-16-D-0041 0001	CONTRACT TITLE IDIQ Rental Hopper Dredge in Mobile	CONTRACTOR Dutra Dredging Company	REPORT NO. 214
DREDGE	NAME AND TYPE M/V Columbia	DATE 02 Sep 2016 - Friday	

LOADS					
LOAD NUMBER	DREDGING AREA DISPOSAL AREA	START TIME STOP TIME (HH:MM)	PUMPING TURNING (MIN)	TO DUMP DUMPING TO CUT (MIN)	TOTAL TIME DREDGED AMOUNT AGITATED AMOUNT (MIN/CYS)
1	Sta 1050+00 to 1108+00 Mobile 102-SW	06:40 07:09	29 0	126 4 115	274 2,635 0
2	Sta 1050+00 to 1108+00 Mobile 102-SW	17:22 17:59	37 0	152 4 148	341 2,635 0
3	Sta 1050+00 to 1108+00 Mobile 102-SW	23:03 23:04	1 0	0 0 56	57 0 0

QC NARRATIVE(S)

GENERAL COMMENTS

672 Minutes @ 100%
400 Minutes @ 70% Weather
368 Minutes @ 0% Fuel day

QUALITY CONTROL REPORT-HOPPER DREDGE										PAGE NO. Page 435 of 494							
CONTRACT NO. W91278-16-D-0041 0001		CONTRACT TITLE IDIQ Rental Hopper Dredge in Mobile					CONTRACTOR Dutra Dredging Company			REPORT NO. 215							
CHARACTER OF REPORT		<input checked="" type="checkbox"/> MAINTENANCE <input type="checkbox"/> NEW WORK							DATE 03 Sep 2016 - Saturday								
DREDGE (M/V Columbia)		HOPPER CAP: 4,387 CY		AVG VOL OF BIN WATER: 4,387 CY		AVG UNFILLED CAP: 4,387 CY											
		NO. OF CREW MEMBERS	DREDGE 13	OTHER PLANT 5	WORK SCHEDULE	SHIFTS PER DAY 2	DAYS PER WEEK 7										
LOCATION OF WORK		LOCATION CHANNEL Mobile Harbor		REACH DREDGED; STA TO STA Sta 1050+00 to 1108+00		DISPOSAL AREA USE Mobile 102 -SW		QTY DEPOSITED GROSS(CY) 10,540		CUMULATIVE AND QTY DEPOSIT FOR DA(CY) 2,039,490							
		AVG LENGTH OF CUT 6,000 FT		AVG WIDTH OF CUT 400 FT		AVG DIST TO DUMP 23 NM											
CHARACTER OF MATERIAL		DENSITY OF MATERIALS						GMS/LITER 1.045									
		DENSITY OF WATER			1.006			GMS/LITER@ 86 °F									
RIVER/TIDE STAGE		MIN 1	TIME 00:00	MAX 0	TIME 00:00	GAGE LOCATION Dog River											
		MIN 2	TIME 00:00	MAX 0	TIME 00:00	GAGE DATUM MLLW											
WEATHER CONDITION		WEATHER			TEMP (min / max)		VISIBILITY		WIND								
		Weather Caused No Delay			77 °F / 91 °F		10		30								
DRAFT					DISTRIBUTION OF TIME AND MILES RUN												
FORWARD		LIGHT		LOADED				AGITATING (MIN)		DREDGE & HAUL (MIN)		MILES RUN (NAUT MI)					
		8		15		EFFECTIVE WORKING TIME:											
AFT		10		16		PUMPING:		00:00		02:05		0.0					
						TURNING:		00:00		00:30		0.0					
DRAG DEPTH MAX 49 MIN 44					TO DUMP:		00:00		09:36		0.0						
					CONNECTING:		00:00		00:00		0.0						
INDICATORS LAST CHECKED ON 07/19/2016					DUMPING:		00:00		00:32		0.0						
					DISCONNECTING:		00:00		00:00		0.0						
AVERAGE SPEED OF DREDGE DURING LOADING						FT/MIN		2		TO CUT:		00:00		11:17		0.0	
AVERAGE SPEED OF DREDGE DURING AGITATING						FT/MIN		0		TOTALS:		00:00		24:00		0.0	
GALLONS OF FUEL OIL CONSUMED						GAL		2,049		NON-EFFECTIVE WORKING TIME:							
GALLONS OF WATER CONSUMED						GAL		784		TAKING ON FUEL AND SUPPLIES:		00:00		00:00		0.0	
WORK PERFORMED					TO AND FROM WHARF OR ANCHORAGE:		00:00		00:00		0.0						
					LOSS DUE TO NATURAL ELEMENTS:		00:00		00:00		0.0						
DREDGING AND HAULING					AGITATING		LOSS DUE TO TRAFFIC AND BRIDGES		00:00		00:00		0.0				
NO. OF LOADS		TOTAL CYS		DISPOSAL AREA		TOTAL CYS		MINOR OPERATING REPAIRS:		00:00		00:00		0.0			
5		10,540		Mobile 102-SW		0		TRANSFERRING BETWEEN WORKS:		00:00		00:00		0.0			
								LAY TIME:		00:00		00:00		0.0			
								FIRE AND BOAT DRILLS:		00:00		00:00		0.0			
ATTENDANT PLANT					MISCELLANEOUS:		00:00		00:00		0.0						
					TOTALS:		00:00		00:00		0.0						
ITEM		NAME OR NUMBER		H.P.		HOURS		LOST TIME:									
40' Crewboat		Cape Anne		400		12:00		MAJOR REPAIRS AND ALTERATIONS:		00:00		00:00		0.0			
								CESSATION:		00:00		00:00		0.0			
								COLLISIONS:		00:00		00:00		0.0			
								TOTALS:		00:00		00:00		0.0			
								TOTAL TIME/MILES:		00:00		24:00		0.0			

QUALITY CONTROL REPORT-HOPPER DREDGE					PAGE NO. Page 436 of 494	
CONTRACT NO. W91278-16-D-0041 0001		CONTRACT TITLE IDIQ Rental Hopper Dredge in Mobile		CONTRACTOR Dutra Dredging Company		REPORT NO. 215
DREDGE		NAME AND TYPE M/V Columbia			DATE 03 Sep 2016 - Saturday	
LOADS						
LOAD NUMBER	DREDGING AREA DISPOSAL AREA	START TIME STOP TIME (HH:MM)	PUMPING TURNING (MIN)	TO DUMP DUMPING TO CUT (MIN)	TOTAL TIME DREDGED AMOUNT AGITATED AMOUNT (MIN/CYS)	
1	Sta 1050+00 to 1108+00 Mobile 102-SW	00:00 00:23	23 0	132 4 103	262 2,635 0	
2	Sta 1050+00 to 1108+00 Mobile 102-SW	04:22 04:51	29 0	135 4 157	325 2,635 0	
3	Sta 1050+00 to 1108+00 Mobile 102-SW	09:47 10:40	23 30	142 20 141	356 2,635 0	
4	Sta 1050+00 to 1108+00 Mobile 102-SW	15:43 16:10	27 0	152 4 135	318 2,635 0	
5	Sta 1050+00 to 1108+00 Mobile 102-SW	21:01 21:24	23 0	15 0 141	179 0 0	

QC NARRATIVE(S)

GENERAL COMMENTS

1440 Minutes @ 100%

QUALITY CONTROL REPORT-HOPPER DREDGE										PAGE NO. Page 437 of 494	
CONTRACT NO. W91278-16-D-0041 0001		CONTRACT TITLE IDIQ Rental Hopper Dredge in Mobile					CONTRACTOR Dutra Dredging Company			REPORT NO. 216	
CHARACTER OF REPORT		<input checked="" type="checkbox"/> MAINTENANCE <input type="checkbox"/> NEW WORK							DATE 04 Sep 2016 - Sunday		
DREDGE (M/V Columbia)		HOPPER CAP: 4,387 CY		AVG VOL OF BIN WATER: 4,387 CY			AVG UNFILLED CAP: 4,387 CY				
		NO. OF CREW MEMBERS	DREDGE 13	OTHER PLANT 5	WORK SCHEDULE	SHIFTS PER DAY 2	DAYS PER WEEK 7				
LOCATION OF WORK		LOCATION CHANNEL Mobile Harbor	REACH DREDGED; STA TO STA Sta 1050+00 to 1108+00			DISPOSAL AREA USE Mobile 102 -SW	QTY DEPOSITED GROSS(CY) 10,540	CUMULATIVE AND QTY DEPOSIT FOR DA(CY) 2,050,030			
		AVG LENGTH OF CUT 6,000 FT		AVG WIDTH OF CUT 400 FT		AVG DIST TO DUMP 23 NM					
CHARACTER OF MATERIAL		DENSITY OF MATERIALS						GMS/LITER 1.045			
		DENSITY OF WATER			1.006			GMS/LITER@ 86 °F			
RIVER/TIDE STAGE		MIN 1	TIME 00:00	MAX 0	TIME 00:00	GAGE LOCATION Dog River					
		MIN 1	TIME 00:00	MAX 0	TIME 00:00	GAGE DATUM MLLW					
WEATHER CONDITION		WEATHER			TEMP (min / max)		VISIBILITY	WIND			
		Weather Caused No Delay			76 °F / 85 °F		10	23			
DRAFT					DISTRIBUTION OF TIME AND MILES RUN						
FORWARD	LIGHT		LOADED			AGITATING (MIN)	DREDGE & HAUL (MIN)	MILES RUN (NAUT MI)			
	8		15		EFFECTIVE WORKING TIME:						
AFT	10		16		PUMPING:	00:00	01:45	0.0			
					TURNING:	00:00	00:13	0.0			
DRAG DEPTH MAX 49 MIN 44				TO DUMP:		00:00	11:45	0.0			
				CONNECTING:		00:00	00:00	0.0			
INDICATORS LAST CHECKED ON 07/19/2016				DUMPING:		00:00	00:16	0.0			
				DISCONNECTING:		00:00	00:00	0.0			
AVERAGE SPEED OF DREDGE DURING LOADING				FT/MIN	2	TO CUT:		00:00	10:01	0.0	
AVERAGE SPEED OF DREDGE DURING AGITATING				FT/MIN	0	TOTALS:		00:00	24:00	0.0	
GALLONS OF FUEL OIL CONSUMED				GAL	3,504	NON-EFFECTIVE WORKING TIME:					
GALLONS OF WATER CONSUMED				GAL	784	TAKING ON FUEL AND SUPPLIES:	00:00	00:00	0.0		
WORK PERFORMED					TO AND FROM WHARF OR ANCHORAGE:		00:00	00:00	0.0		
					LOSS DUE TO NATURAL ELEMENTS:		00:00	00:00	0.0		
DREDGING AND HAULING				AGITATING		LOSS DUE TO TRAFFIC AND BRIDGES		00:00	00:00	0.0	
NO. OF LOADS	TOTAL CYS	DISPOSAL AREA		TOTAL CYS		MINOR OPERATING REPAIRS:		00:00	00:00	0.0	
5	10,540	Mobile 102-SW		0		TRANSFERRING BETWEEN WORKS:		00:00	00:00	0.0	
						LAY TIME:		00:00	00:00	0.0	
						FIRE AND BOAT DRILLS:		00:00	00:00	0.0	
ATTENDANT PLANT					MISCELLANEOUS:		00:00	00:00	0.0		
					TOTALS:		00:00	00:00	0.0		
ITEM					NAME OR NUMBER		H.P.	HOURS	LOST TIME:		
40' Crewboat		Cape Anne		400	12:00	MAJOR REPAIRS AND ALTERATIONS:		00:00	00:00	0.0	
						CESSATION:		00:00	00:00	0.0	
						COLLISIONS:		00:00	00:00	0.0	
						TOTALS:		00:00	00:00	0.0	
						TOTAL TIME/MILES:		00:00	24:00	0.0	

QUALITY CONTROL REPORT-HOPPER DREDGE					PAGE NO. Page 438 of 494	
CONTRACT NO. W91278-16-D-0041 0001		CONTRACT TITLE IDIQ Rental Hopper Dredge in Mobile		CONTRACTOR Dutra Dredging Company		REPORT NO. 216
DREDGE		NAME AND TYPE M/V Columbia			DATE 04 Sep 2016 - Sunday	
LOADS						
LOAD NUMBER	DREDGING AREA DISPOSAL AREA		START TIME STOP TIME (HH:MM)	PUMPING TURNING (MIN)	TO DUMP DUMPING TO CUT (MIN)	TOTAL TIME DREDGED AMOUNT AGITATED AMOUNT (MIN/CYS)
1	Sta 1050+00 to 1108+00 Mobile 102-SW		00:00 00:01	1 0	164 4 0	169 2,635 0
2	Sta 1050+00 to 1108+00 Mobile 102-SW		02:49 03:15	26 0	133 4 155	318 2,635 0
3	Sta 1050+00 to 1108+00 Mobile 102-SW		08:07 08:35	28 0	138 4 147	317 2,635 0
4	Sta 1050+00 to 1108+00 Mobile 102-SW		13:24 14:01	24 13	136 4 144	321 2,635 0
5	Sta 1050+00 to 1108+00 Mobile 102-SW		18:45 19:11	26 0	134 0 155	315 0 0

QC NARRATIVE(S)

GENERAL COMMENTS

1440 Minutes @ 100%

QUALITY CONTROL REPORT-HOPPER DREDGE										PAGE NO. Page 439 of 494	
CONTRACT NO. W91278-16-D-0041 0001		CONTRACT TITLE IDIQ Rental Hopper Dredge in Mobile					CONTRACTOR Dutra Dredging Company			REPORT NO. 217	
CHARACTER OF REPORT		<input checked="" type="checkbox"/> MAINTENANCE <input type="checkbox"/> NEW WORK							DATE 05 Sep 2016 - Monday		
DREDGE (M/V Columbia)		HOPPER CAP: 4,387 CY		AVG VOL OF BIN WATER: 4,387 CY		AVG UNFILLED CAP: 4,387 CY					
		NO. OF CREW MEMBERS	DREDGE 13	OTHER PLANT 5	WORK SCHEDULE	SHIFTS PER DAY 2	DAYS PER WEEK 7				
LOCATION OF WORK		LOCATION CHANNEL Mobile Harbor	REACH DREDGED; STA TO STA Sta 1050+00 to 1108+00		DISPOSAL AREA USE Mobile 102 -SW		QTY DEPOSITED GROSS(CY) 13,175	CUMULATIVE AND QTY DEPOSIT FOR DA(CY) 2,063,205			
		AVG LENGTH OF CUT 6,000 FT		AVG WIDTH OF CUT 400 FT		AVG DIST TO DUMP 23 NM					
CHARACTER OF MATERIAL		DENSITY OF MATERIALS						GMS/LITER 1.045			
		DENSITY OF WATER			1.006			GMS/LITER@ 86 °F			
RIVER/TIDE STAGE		MIN 1	TIME 00:00	MAX 0	TIME 00:00	GAGE LOCATION Dog River					
		MIN 1	TIME 00:00	MAX 0	TIME 00:00	GAGE DATUM MLLW					
WEATHER CONDITION		WEATHER		TEMP (min / max)		VISIBILITY		WIND			
		Weather Caused No Delay		76 °F / 87 °F		10		25			
DRAFT					DISTRIBUTION OF TIME AND MILES RUN						
FORWARD		LIGHT		LOADED				AGITATING (MIN)	DREDGE & HAUL (MIN)	MILES RUN (NAUT MI)	
		8		15				EFFECTIVE WORKING TIME:			
AFT											
		10		16							
DRAG DEPTH MAX 49 MIN 44					PUMPING:		00:00	01:52	0.0		
INDICATORS LAST CHECKED ON 07/19/2016					TURNING:		00:00	00:37	0.0		
					TO DUMP:		00:00	09:27	0.0		
AVERAGE SPEED OF DREDGE DURING LOADING				FT/MIN	CONNECTING:		00:00	00:00	0.0		
				2	DUMPING:		00:00	00:35	0.0		
AVERAGE SPEED OF DREDGE DURING AGITATING				FT/MIN	DISCONNECTING:		00:00	00:00	0.0		
				0	TO CUT:		00:00	11:29	0.0		
GALLONS OF FUEL OIL CONSUMED				GAL	TOTALS:		00:00	24:00	0.0		
				2,432	NON-EFFECTIVE WORKING TIME:						
GALLONS OF WATER CONSUMED				GAL	TAKING ON FUEL AND SUPPLIES:		00:00	00:00	0.0		
				896	TO AND FROM WHARF OR ANCHORAGE:		00:00	00:00	0.0		
WORK PERFORMED					LOSS DUE TO NATURAL ELEMENTS:		00:00	00:00	0.0		
DREDGING AND HAULING				AGITATING		LOSS DUE TO TRAFFIC AND BRIDGES		00:00	00:00	0.0	
NO. OF LOADS	TOTAL CYS	DISPOSAL AREA		TOTAL CYS		MINOR OPERATING REPAIRS:		00:00	00:00	0.0	
6	13,175	Mobile 102-SW		0		TRANSFERRING BETWEEN WORKS:		00:00	00:00	0.0	
						LAY TIME:		00:00	00:00	0.0	
						FIRE AND BOAT DRILLS:		00:00	00:00	0.0	
ATTENDANT PLANT					MISCELLANEOUS:		00:00	00:00	0.0		
ITEM	NAME OR NUMBER		H.P.	HOURS	TOTALS:		00:00	00:00	0.0		
40' Crewboat	Cape Anne		400	12:00	LOST TIME:						
					MAJOR REPAIRS AND ALTERATIONS:		00:00	00:00	0.0		
					CESSATION:		00:00	00:00	0.0		
					COLLISIONS:		00:00	00:00	0.0		
					TOTALS:		00:00	00:00	0.0		
					TOTAL TIME/MILES:		00:00	24:00	0.0		

QUALITY CONTROL REPORT-HOPPER DREDGE			PAGE NO. Page 440 of 494
CONTRACT NO. W91278-16-D-0041 0001	CONTRACT TITLE IDIQ Rental Hopper Dredge in Mobile	CONTRACTOR Dutra Dredging Company	REPORT NO. 217
DREDGE	NAME AND TYPE M/V Columbia	DATE 05 Sep 2016 - Monday	

LOADS					
LOAD NUMBER	DREDGING AREA DISPOSAL AREA	START TIME STOP TIME (HH:MM)	PUMPING TURNING (MIN)	TO DUMP DUMPING TO CUT (MIN)	TOTAL TIME DREDGED AMOUNT AGITATED AMOUNT (MIN/CYS)
1	Sta 1050+00 to 1108+00 Mobile 102-SW	00:00 00:01	1 0	10 4 0	15 2,635 0
2	Sta 1050+00 to 1108+00 Mobile 102-SW	00:15 00:52	27 10	145 19 134	335 2,635 0
3	Sta 1050+00 to 1108+00 Mobile 102-SW	05:50 06:22	32 0	140 4 146	322 2,635 0
4	Sta 1050+00 to 1108+00 Mobile 102-SW	11:12 11:58	24 22	137 4 142	329 2,635 0
5	Sta 1050+00 to 1108+00 Mobile 102-SW	16:41 17:13	27 5	135 4 128	299 2,635 0
6	Sta 1050+00 to 1108+00 Mobile 102-SW	21:40 21:41	1 0	0 0 139	140 0 0

QC NARRATIVE(S)

GENERAL COMMENTS

1440 Minutes @ 100%

QUALITY CONTROL REPORT-HOPPER DREDGE										PAGE NO. Page 441 of 494	
CONTRACT NO. W91278-16-D-0041 0001		CONTRACT TITLE IDIQ Rental Hopper Dredge in Mobile					CONTRACTOR Dutra Dredging Company			REPORT NO. 218	
CHARACTER OF REPORT		<input checked="" type="checkbox"/> MAINTENANCE <input type="checkbox"/> NEW WORK							DATE 06 Sep 2016 - Tuesday		
DREDGE (M/V Columbia)		HOPPER CAP: 4,387 CY		AVG VOL OF BIN WATER: 4,387 CY		AVG UNFILLED CAP: 4,387 CY					
		NO. OF CREW MEMBERS	DREDGE 13	OTHER PLANT 5	WORK SCHEDULE	SHIFTS PER DAY 2	DAYS PER WEEK 7				
LOCATION OF WORK		LOCATION CHANNEL Mobile Harbor	REACH DREDGED; STA TO STA Sta 1180+00 to 1240+00		DISPOSAL AREA USE Mobile 102 -SW		QTY DEPOSITED GROSS(CY) 13,175	CUMULATIVE AND QTY DEPOSIT FOR DA(CY) 2,076,380			
		AVG LENGTH OF CUT 6,000 FT		AVG WIDTH OF CUT 400 FT		AVG DIST TO DUMP 20 NM					
CHARACTER OF MATERIAL		DENSITY OF MATERIALS						GMS/LITER 1.045			
		DENSITY OF WATER			1.006			GMS/LITER@ 86 °F			
RIVER/TIDE STAGE		MIN 1	TIME 00:00	MAX 0	TIME 00:00	GAGE LOCATION Dog River					
		MIN 2	TIME 00:00	MAX 0	TIME 00:00	GAGE DATUM MLLW					
WEATHER CONDITION		WEATHER		TEMP (min / max)		VISIBILITY		WIND			
		Weather Caused No Delay		76 °F / 90 °F		10		29			
DRAFT					DISTRIBUTION OF TIME AND MILES RUN						
FORWARD		LIGHT		LOADED				AGITATING (MIN)	DREDGE & HAUL (MIN)	MILES RUN (NAUT MI)	
		8		15				EFFECTIVE WORKING TIME:			
AFT											
		10		16							
DRAG DEPTH MAX 49 MIN 44					PUMPING:		00:00	02:21	0.0		
INDICATORS LAST CHECKED ON 07/19/2016					TURNING:		00:00	00:10	0.0		
					TO DUMP:		00:00	10:14	0.0		
AVERAGE SPEED OF DREDGE DURING LOADING					CONNECTING:		00:00	00:00	0.0		
					DUMPING:		00:00	00:36	0.0		
AVERAGE SPEED OF DREDGE DURING AGITATING					DISCONNECTING:		00:00	00:00	0.0		
					TO CUT:		00:00	10:39	0.0		
GALLONS OF FUEL OIL CONSUMED					TOTALS:		00:00	24:00	0.0		
					NON-EFFECTIVE WORKING TIME:						
GALLONS OF WATER CONSUMED					TAKING ON FUEL AND SUPPLIES:		00:00	00:00	0.0		
					TO AND FROM WHARF OR ANCHORAGE:		00:00	00:00	0.0		
WORK PERFORMED					LOSS DUE TO NATURAL ELEMENTS:		00:00	00:00	0.0		
DREDGING AND HAULING				AGITATING		LOSS DUE TO TRAFFIC AND BRIDGES		00:00	00:00	0.0	
NO. OF LOADS	TOTAL CYS	DISPOSAL AREA		TOTAL CYS		MINOR OPERATING REPAIRS:		00:00	00:00	0.0	
6	13,175	Mobile 102-SW		0		TRANSFERRING BETWEEN WORKS:		00:00	00:00	0.0	
						LAY TIME:		00:00	00:00	0.0	
						FIRE AND BOAT DRILLS:		00:00	00:00	0.0	
ATTENDANT PLANT					MISCELLANEOUS:		00:00	00:00	0.0		
ITEM	NAME OR NUMBER		H.P.	HOURS	TOTALS:		00:00	00:00	0.0		
40' Crewboat	Cape Anne		400	12:00	LOST TIME:						
					MAJOR REPAIRS AND ALTERATIONS:		00:00	00:00	0.0		
					CESSATION:		00:00	00:00	0.0		
					COLLISIONS:		00:00	00:00	0.0		
					TOTALS:		00:00	00:00	0.0		
					TOTAL TIME/MILES:		00:00	24:00	0.0		

QUALITY CONTROL REPORT-HOPPER DREDGE					PAGE NO. <div>Page 442 of 494</div>	
CONTRACT NO. W91278-16-D-0041 0001		CONTRACT TITLE IDIQ Rental Hopper Dredge in Mobile		CONTRACTOR Dutra Dredging Company		REPORT NO. 218
DREDGE		NAME AND TYPE M/V Columbia			DATE 06 Sep 2016 - Tuesday	
LOADS						
LOAD NUMBER	DREDGING AREA DISPOSAL AREA	START TIME STOP TIME (HH:MM)	PUMPING TURNING (MIN)	TO DUMP DUMPING TO CUT (MIN)	TOTAL TIME DREDGED AMOUNT AGITATED AMOUNT (MIN/CYS)	
1	Sta 1180+00 to 1240+00 Mobile 102-SW	00:00 00:29	29 0	119 4 10	162 2,635 0	
2	Sta 1180+00 to 1240+00 Mobile 102-SW	02:42 03:09	27 0	131 20 136	314 2,635 0	
3	Sta 1180+00 to 1240+00 Mobile 102-SW	07:56 08:36	30 10	120 4 142	306 2,635 0	
4	Sta 1180+00 to 1240+00 Mobile 102-SW	13:02 13:30	28 0	120 4 141	293 2,635 0	
5	Sta 1180+00 to 1240+00 Mobile 102-SW	17:55 18:21	26 0	124 4 134	288 2,635 0	
6	Sta 1180+00 to 1240+00 Mobile 102-SW	22:43 22:44	1 0	0 0 76	77 0 0	
QC NARRATIVE(S) GENERAL COMMENTS 1440 Minutes @ 100%						

QUALITY CONTROL REPORT-HOPPER DREDGE										PAGE NO. Page 443 of 494	
CONTRACT NO. W91278-16-D-0041 0001		CONTRACT TITLE IDIQ Rental Hopper Dredge in Mobile					CONTRACTOR Dutra Dredging Company			REPORT NO. 219	
CHARACTER OF REPORT		<input checked="" type="checkbox"/> MAINTENANCE <input type="checkbox"/> NEW WORK							DATE 07 Sep 2016 - Wednesday		
DREDGE (M/V Columbia)		HOPPER CAP: 4,387 CY		AVG VOL OF BIN WATER: 4,387 CY			AVG UNFILLED CAP: 4,387 CY				
		NO. OF CREW MEMBERS	DREDGE 13	OTHER PLANT 5	WORK SCHEDULE	SHIFTS PER DAY 2	DAYS PER WEEK 7				
LOCATION OF WORK		LOCATION CHANNEL Mobile Harbor	REACH DREDGED; STA TO STA Sta 1180+00 to 1240+00			DISPOSAL AREA USE Mobile 102 -SW	QTY DEPOSITED GROSS(CY) 13,175	CUMULATIVE AND QTY DEPOSIT FOR DA(CY) 2,089,555			
		AVG LENGTH OF CUT 6,000 FT		AVG WIDTH OF CUT 400 FT		AVG DIST TO DUMP 20 NM					
CHARACTER OF MATERIAL		DENSITY OF MATERIALS						GMS/LITER 1.045			
		DENSITY OF WATER			1.006			GMS/LITER@ 86 °F			
RIVER/TIDE STAGE		MIN 2	TIME 00:00	MAX 0	TIME 00:00	GAGE LOCATION Dog River					
		MIN 2	TIME 00:00	MAX 0	TIME 00:00	GAGE DATUM MLLW					
WEATHER CONDITION		WEATHER			TEMP (min / max)		VISIBILITY	WIND			
		Weather Caused No Delay			74 °F / 90 °F		10	23			
DRAFT					DISTRIBUTION OF TIME AND MILES RUN						
FORWARD	LIGHT		LOADED				AGITATING (MIN)	DREDGE & HAUL (MIN)	MILES RUN (NAUT MI)		
	8		15				EFFECTIVE WORKING TIME:				
AFT											
	10		16				PUMPING:	00:00	02:21	0.0	
DRAG DEPTH MAX 49 MIN 44							TURNING:	00:00	00:00	0.0	
							TO DUMP:	00:00	10:12	0.0	
INDICATORS LAST CHECKED ON 07/19/2016							CONNECTING:	00:00	00:00	0.0	
							DUMPING:	00:00	00:37	0.0	
AVERAGE SPEED OF DREDGE DURING LOADING				FT/MIN	2			DISCONNECTING:	00:00	00:00	0.0
AVERAGE SPEED OF DREDGE DURING AGITATING				FT/MIN	0			TO CUT:	00:00	10:50	0.0
GALLONS OF FUEL OIL CONSUMED				GAL	2,328			TOTALS:	00:00	24:00	0.0
GALLONS OF WATER CONSUMED				GAL	596	NON-EFFECTIVE WORKING TIME:					
WORK PERFORMED							TAKING ON FUEL AND SUPPLIES:	00:00	00:00	0.0	
							TO AND FROM WHARF OR ANCHORAGE:	00:00	00:00	0.0	
DREDGING AND HAULING							LOSS DUE TO NATURAL ELEMENTS:	00:00	00:00	0.0	
							LOSS DUE TO TRAFFIC AND BRIDGES	00:00	00:00	0.0	
NO. OF LOADS	TOTAL CYS	DISPOSAL AREA	TOTAL CYS				MINOR OPERATING REPAIRS:	00:00	00:00	0.0	
6	13,175	Mobile 102-SW	0				TRANSFERRING BETWEEN WORKS:	00:00	00:00	0.0	
							LAY TIME:	00:00	00:00	0.0	
							FIRE AND BOAT DRILLS:	00:00	00:00	0.0	
ATTENDANT PLANT							MISCELLANEOUS:	00:00	00:00	0.0	
							TOTALS:	00:00	00:00	0.0	
ITEM	NAME OR NUMBER		H.P.	HOURS	LOST TIME:						
40' Crewboat	Cape Anne		400	12:00							
							MAJOR REPAIRS AND ALTERATIONS:	00:00	00:00	0.0	
							CESSATION:	00:00	00:00	0.0	
							COLLISIONS:	00:00	00:00	0.0	
							TOTALS:	00:00	00:00	0.0	
							TOTAL TIME/MILES:	00:00	24:00	0.0	

QUALITY CONTROL REPORT-HOPPER DREDGE					PAGE NO. <div>Page 444 of 494</div>	
CONTRACT NO. W91278-16-D-0041 0001		CONTRACT TITLE IDIQ Rental Hopper Dredge in Mobile		CONTRACTOR Dutra Dredging Company		REPORT NO. 219
DREDGE		NAME AND TYPE M/V Columbia			DATE 07 Sep 2016 - Wednesday	
LOADS						
LOAD NUMBER	DREDGING AREA DISPOSAL AREA	START TIME STOP TIME (HH:MM)	PUMPING TURNING (MIN)	TO DUMP DUMPING TO CUT (MIN)	TOTAL TIME DREDGED AMOUNT AGITATED AMOUNT (MIN/CYS)	
1	Sta 1180+00 to 1240+00 Mobile 102-SW	00:00 00:27	27 0	118 4 59	208 2,635 0	
2	Sta 1180+00 to 1240+00 Mobile 102-SW	03:28 03:55	27 0	125 4 118	274 2,635 0	
3	Sta 1180+00 to 1240+00 Mobile 102-SW	08:02 08:31	29 0	130 21 123	303 2,635 0	
4	Sta 1180+00 to 1240+00 Mobile 102-SW	13:05 13:34	29 0	119 4 128	280 2,635 0	
5	Sta 1180+00 to 1240+00 Mobile 102-SW	17:45 18:13	28 0	120 4 135	287 2,635 0	
6	Sta 1180+00 to 1240+00 Mobile 102-SW	22:32 22:33	1 0	0 0 87	88 0 0	
<div>QC NARRATIVE(S)</div> <div>GENERAL COMMENTS</div> <div>1440 Minutes @ 100%</div>						

QUALITY CONTROL REPORT-HOPPER DREDGE										PAGE NO. Page 445 of 494	
CONTRACT NO. W91278-16-D-0041 0001		CONTRACT TITLE IDIQ Rental Hopper Dredge in Mobile					CONTRACTOR Dutra Dredging Company			REPORT NO. 220	
CHARACTER OF REPORT		<input checked="" type="checkbox"/> MAINTENANCE <input type="checkbox"/> NEW WORK							DATE 08 Sep 2016 - Thursday		
DREDGE (M/V Columbia)		HOPPER CAP: 4,387 CY		AVG VOL OF BIN WATER: 4,387 CY			AVG UNFILLED CAP: 4,387 CY				
		NO. OF CREW MEMBERS	DREDGE 13	OTHER PLANT 5	WORK SCHEDULE	SHIFTS PER DAY 2	DAYS PER WEEK 7				
LOCATION OF WORK		LOCATION CHANNEL Mobile Harbor	REACH DREDGED; STA TO STA Sta 1180+00 to 1240+00			DISPOSAL AREA USE Mobile 102 -SW	QTY DEPOSITED GROSS(CY) 13,175	CUMULATIVE AND QTY DEPOSIT FOR DA(CY) 2,102,730			
		AVG LENGTH OF CUT 6,000 FT		AVG WIDTH OF CUT 400 FT		AVG DIST TO DUMP 20 NM					
CHARACTER OF MATERIAL		DENSITY OF MATERIALS						GMS/LITER 1.045			
		DENSITY OF WATER			1.006			GMS/LITER@ 86 °F			
RIVER/TIDE STAGE		MIN 2	TIME 00:00	MAX 0	TIME 00:00	GAGE LOCATION Dog River					
		MIN 2	TIME 00:00	MAX 0	TIME 00:00	GAGE DATUM MLLW					
WEATHER CONDITION		WEATHER Weather Caused No Delay			TEMP (min / max) 74 °F / 90 °F		VISIBILITY 10	WIND 23			
DRAFT					DISTRIBUTION OF TIME AND MILES RUN						
FORWARD	LIGHT		LOADED				AGITATING (MIN)	DREDGE & HAUL (MIN)	MILES RUN (NAUT MI)		
	8		15		EFFECTIVE WORKING TIME:						
AFT	10		16		PUMPING:		00:00	02:34	0.0		
DRAG DEPTH MAX 49 MIN 44 INDICATORS LAST CHECKED ON 07/19/2016 AVERAGE SPEED OF DREDGE DURING LOADING FT/MIN 2 AVERAGE SPEED OF DREDGE DURING AGITATING FT/MIN 0 GALLONS OF FUEL OIL CONSUMED GAL 2,449 GALLONS OF WATER CONSUMED GAL 784					TURNING:		00:00	00:00	0.0		
					TO DUMP:		00:00	10:30	0.0		
					CONNECTING:		00:00	00:00	0.0		
					DUMPING:		00:00	00:20	0.0		
					DISCONNECTING:		00:00	00:00	0.0		
					TO CUT:		00:00	10:36	0.0		
					TOTALS:		00:00	24:00	0.0		
WORK PERFORMED					NON-EFFECTIVE WORKING TIME:						
DREDGING AND HAULING				AGITATING		TAKING ON FUEL AND SUPPLIES:		00:00	00:00	0.0	
NO. OF LOADS	TOTAL CYS	DISPOSAL AREA	TOTAL CYS		TO AND FROM WHARF OR ANCHORAGE:		00:00	00:00	0.0		
6	13,175	Mobile 102-SW	0		LOSS DUE TO NATURAL ELEMENTS:		00:00	00:00	0.0		
					LOSS DUE TO TRAFFIC AND BRIDGES		00:00	00:00	0.0		
					MINOR OPERATING REPAIRS:		00:00	00:00	0.0		
					TRANSFERRING BETWEEN WORKS:		00:00	00:00	0.0		
ATTENDANT PLANT					LAY TIME:		00:00	00:00	0.0		
					FIRE AND BOAT DRILLS:		00:00	00:00	0.0		
					MISCELLANEOUS:		00:00	00:00	0.0		
					TOTALS:		00:00	00:00	0.0		
ITEM	NAME OR NUMBER		H.P.	HOURS	LOST TIME:						
40' Crewboat	Cape Anne		400	12:00	MAJOR REPAIRS AND ALTERATIONS:		00:00	00:00	0.0		
					CESSATION:		00:00	00:00	0.0		
					COLLISIONS:		00:00	00:00	0.0		
					TOTALS:		00:00	00:00	0.0		
					TOTAL TIME/MILES:		00:00	24:00	0.0		

QUALITY CONTROL REPORT-HOPPER DREDGE					PAGE NO. <div>Page 446 of 494</div>	
CONTRACT NO. W91278-16-D-0041 0001		CONTRACT TITLE IDIQ Rental Hopper Dredge in Mobile		CONTRACTOR Dutra Dredging Company		REPORT NO. 220
DREDGE		NAME AND TYPE M/V Columbia			DATE 08 Sep 2016 - Thursday	
LOADS						
LOAD NUMBER	DREDGING AREA DISPOSAL AREA	START TIME STOP TIME (HH:MM)	PUMPING TURNING (MIN)	TO DUMP DUMPING TO CUT (MIN)	TOTAL TIME DREDGED AMOUNT AGITATED AMOUNT (MIN/CYS)	
1	Sta 1180+00 to 1240+00 Mobile 102-SW	00:00 00:25	25 0	131 4 41	201 2,635 0	
2	Sta 1180+00 to 1240+00 Mobile 102-SW	03:21 03:46	25 0	125 4 113	267 2,635 0	
3	Sta 1180+00 to 1240+00 Mobile 102-SW	07:48 08:20	32 0	126 4 129	291 2,635 0	
4	Sta 1180+00 to 1240+00 Mobile 102-SW	12:39 13:11	32 0	124 4 108	268 2,635 0	
5	Sta 1180+00 to 1240+00 Mobile 102-SW	17:07 17:36	29 0	124 4 118	275 2,635 0	
6	Sta 1180+00 to 1240+00 Mobile 102-SW	21:42 21:53	11 0	0 0 127	138 0 0	
<div>QC NARRATIVE(S)</div> <div>GENERAL COMMENTS</div> <div>1440 Minutes @ 100%</div>						

QUALITY CONTROL REPORT-HOPPER DREDGE										PAGE NO. Page 447 of 494								
CONTRACT NO. W91278-16-D-0041 0001		CONTRACT TITLE IDIQ Rental Hopper Dredge in Mobile					CONTRACTOR Dutra Dredging Company			REPORT NO. 221								
CHARACTER OF REPORT		<input checked="" type="checkbox"/> MAINTENANCE <input type="checkbox"/> NEW WORK							DATE 09 Sep 2016 - Friday									
DREDGE (M/V Columbia)		HOPPER CAP: 4,387 CY		AVG VOL OF BIN WATER: 4,387 CY		AVG UNFILLED CAP: 4,387 CY												
		NO. OF CREW MEMBERS	DREDGE 13	OTHER PLANT 5	WORK SCHEDULE	SHIFTS PER DAY 2	DAYS PER WEEK 7											
LOCATION OF WORK		LOCATION CHANNEL Mobile Harbor		REACH DREDGED; STA TO STA Sta 1180+00 to 1240+00		DISPOSAL AREA USE Mobile 102 -SW		QTY DEPOSITED GROSS(CY) 13,175		CUMULATIVE AND QTY DEPOSIT FOR DA(CY) 2,115,905								
		AVG LENGTH OF CUT 6,000 FT		AVG WIDTH OF CUT 400 FT		AVG DIST TO DUMP 20 NM												
CHARACTER OF MATERIAL		DENSITY OF MATERIALS						GMS/LITER 1.045										
		DENSITY OF WATER			1.006			GMS/LITER@ 86 °F										
RIVER/TIDE STAGE		MIN 2	TIME 00:00	MAX 0	TIME 00:00	GAGE LOCATION Dog River												
		MIN 1	TIME 00:00	MAX 0	TIME 00:00	GAGE DATUM MLLW												
WEATHER CONDITION		WEATHER			TEMP (min / max)		VISIBILITY		WIND									
		Weather Caused No Delay			75 °F / 92 °F		10		21									
DRAFT					DISTRIBUTION OF TIME AND MILES RUN													
FORWARD		LIGHT		LOADED				AGITATING (MIN)		DREDGE & HAUL (MIN)		MILES RUN (NAUT MI)						
		8		15		EFFECTIVE WORKING TIME:												
AFT		10		16		PUMPING:		00:00		02:02		0.0						
						TURNING:		00:00		00:42		0.0						
DRAG DEPTH MAX 49 MIN 44					TO DUMP:		00:00		10:09		0.0							
					CONNECTING:		00:00		00:00		0.0							
INDICATORS LAST CHECKED ON 07/19/2016					DUMPING:		00:00		00:30		0.0							
					DISCONNECTING:		00:00		00:00		0.0							
AVERAGE SPEED OF DREDGE DURING LOADING							FT/MIN		2		TO CUT:		00:00		10:37		0.0	
AVERAGE SPEED OF DREDGE DURING AGITATING							FT/MIN		0		TOTALS:		00:00		24:00		0.0	
GALLONS OF FUEL OIL CONSUMED							GAL		2,332		NON-EFFECTIVE WORKING TIME:							
GALLONS OF WATER CONSUMED							GAL		784		TAKING ON FUEL AND SUPPLIES:		00:00		00:00		0.0	
WORK PERFORMED											TO AND FROM WHARF OR ANCHORAGE:		00:00		00:00		0.0	
													LOSS DUE TO NATURAL ELEMENTS:		00:00		00:00	
DREDGING AND HAULING											LOSS DUE TO TRAFFIC AND BRIDGES		00:00		00:00		0.0	
NO. OF LOADS		TOTAL CYS		DISPOSAL AREA		TOTAL CYS				MINOR OPERATING REPAIRS:		00:00		00:00		0.0		
6		13,175		Mobile 102-SW		0				TRANSFERRING BETWEEN WORKS:		00:00		00:00		0.0		
										LAY TIME:		00:00		00:00		0.0		
										FIRE AND BOAT DRILLS:		00:00		00:00		0.0		
ATTENDANT PLANT											MISCELLANEOUS:		00:00		00:00		0.0	
													TOTALS:		00:00		00:00	
ITEM		NAME OR NUMBER			H.P.		HOURS		LOST TIME:									
40' Crewboat		Cape Anne			400		12:00				MAJOR REPAIRS AND ALTERATIONS:		00:00		00:00		0.0	
											CESSATION:		00:00		00:00		0.0	
											COLLISIONS:		00:00		00:00		0.0	
											TOTALS:		00:00		00:00		0.0	
											TOTAL TIME/MILES:		00:00		24:00		0.0	

QUALITY CONTROL REPORT-HOPPER DREDGE			PAGE NO. Page 448 of 494
CONTRACT NO. W91278-16-D-0041 0001	CONTRACT TITLE IDIQ Rental Hopper Dredge in Mobile	CONTRACTOR Dutra Dredging Company	REPORT NO. 221
DREDGE	NAME AND TYPE M/V Columbia	DATE 09 Sep 2016 - Friday	

LOADS					
LOAD NUMBER	DREDGING AREA DISPOSAL AREA	START TIME STOP TIME (HH:MM)	PUMPING TURNING (MIN)	TO DUMP DUMPING TO CUT (MIN)	TOTAL TIME DREDGED AMOUNT AGITATED AMOUNT (MIN/CYS)
1	Sta 1180+00 to 1240+00 Mobile 102-SW	00:00 00:18	18 0	120 4 0	142 2,635 0
2	Sta 1180+00 to 1240+00 Mobile 102-SW	02:22 03:08	27 19	116 8 116	286 2,635 0
3	Sta 1180+00 to 1240+00 Mobile 102-SW	07:08 07:35	27 0	122 4 128	281 2,635 0
4	Sta 1180+00 to 1240+00 Mobile 102-SW	11:49 12:38	26 23	127 4 160	340 2,635 0
5	Sta 1180+00 to 1240+00 Mobile 102-SW	17:29 17:52	23 0	124 10 136	293 2,635 0
6	Sta 1180+00 to 1240+00 Mobile 102-SW	22:22 22:23	1 0	0 0 97	98 0 0

QC NARRATIVE(S)

GENERAL COMMENTS

1440 Minutes @ 100%

QUALITY CONTROL REPORT-HOPPER DREDGE										PAGE NO. <div>Page 449 of 494</div>	
CONTRACT NO. W91278-16-D-0041 0001		CONTRACT TITLE IDIQ Rental Hopper Dredge in Mobile				CONTRACTOR Dutra Dredging Company				REPORT NO. 222	
CHARACTER OF REPORT		<input checked="" type="checkbox"/> MAINTENANCE <input type="checkbox"/> NEW WORK								DATE 10 Sep 2016 - Saturday	
DREDGE (M/V Columbia)		HOPPER CAP: 4,387 CY			AVG VOL OF BIN WATER: 4,387 CY			AVG UNFILLED CAP: 4,387 CY			
		NO. OF CREW MEMBERS	DREDGE 13		OTHER PLANT 5		WORK SCHEDULE	SHIFTS PER DAY 2		DAYS PER WEEK 7	
LOCATION OF WORK		LOCATION CHANNEL Mobile Harbor		REACH DREDGED; STA TO STA Sta 1180+00 to 1240+00			DISPOSAL AREA USE Mobile 102 -SW		QTY DEPOSITED GROSS(CY) 13,175	CUMULATIVE AND QTY DEPOSIT FOR DA(CY) 2,129,080	
		AVG LENGTH OF CUT 6,000 FT			AVG WIDTH OF CUT 400 FT			AVG DIST TO DUMP 20 NM			
CHARACTER OF MATERIAL		DENSITY OF MATERIALS						GMS/LITER 1.045			
		DENSITY OF WATER			1.006			GMS/LITER@ 86 °F			
RIVER/TIDE STAGE		MIN 2	TIME 00:00	MAX 0	TIME 00:00	GAGE LOCATION Dog River					
		MIN 1	TIME 00:00	MAX 0	TIME 00:00	GAGE DATUM MLLW					
WEATHER CONDITION		WEATHER Weather Caused No Delay			TEMP (min / max) 76 °F / 88 °F		VISIBILITY 10		WIND 19		
DRAFT					DISTRIBUTION OF TIME AND MILES RUN						
FORWARD		LIGHT		LOADED				AGITATING (MIN)	DREDGE & HAUL (MIN)	MILES RUN (NAUT MI)	
		8		15							
AFT						EFFECTIVE WORKING TIME:					
		10		16							
DRAG DEPTH MAX 49 MIN 44					PUMPING:		00:00	02:43	0.0		
INDICATORS LAST CHECKED ON 07/19/2016					TURNING:		00:00	00:00	0.0		
AVERAGE SPEED OF DREDGE DURING LOADING				FT/MIN 2		TO DUMP:		00:00	10:21	0.0	
AVERAGE SPEED OF DREDGE DURING AGITATING				FT/MIN 0		CONNECTING:		00:00	00:00	0.0	
GALLONS OF FUEL OIL CONSUMED				GAL 3,621		DUMPING:		00:00	00:28	0.0	
GALLONS OF WATER CONSUMED				GAL 1,344		DISCONNECTING:		00:00	00:00	0.0	
WORK PERFORMED					TO CUT:		00:00	10:28	0.0		
DREDGING AND HAULING				AGITATING		TOTALS:		00:00	24:00	0.0	
NO. OF LOADS	TOTAL CYS	DISPOSAL AREA		TOTAL CYS		NON-EFFECTIVE WORKING TIME:					
6	13,175	Mobile 102-SW		0		TAKING ON FUEL AND SUPPLIES:		00:00	00:00	0.0	
						TO AND FROM WHARF OR ANCHORAGE:		00:00	00:00	0.0	
						LOSS DUE TO NATURAL ELEMENTS:		00:00	00:00	0.0	
						LOSS DUE TO TRAFFIC AND BRIDGES		00:00	00:00	0.0	
						MINOR OPERATING REPAIRS:		00:00	00:00	0.0	
						TRANSFERRING BETWEEN WORKS:		00:00	00:00	0.0	
						LAY TIME:		00:00	00:00	0.0	
						FIRE AND BOAT DRILLS:		00:00	00:00	0.0	
ATTENDANT PLANT					MISCELLANEOUS:		00:00	00:00	0.0		
ITEM	NAME OR NUMBER			H.P.	HOURS	TOTALS:		00:00	00:00	0.0	
40' Crewboat	Cape Anne			400	12:00	LOST TIME:					
						MAJOR REPAIRS AND ALTERATIONS:		00:00	00:00	0.0	
						CESSATION:		00:00	00:00	0.0	
						COLLISIONS:		00:00	00:00	0.0	
						TOTALS:		00:00	00:00	0.0	
						TOTAL TIME/MILES:		00:00	24:00	0.0	

QUALITY CONTROL REPORT-HOPPER DREDGE					PAGE NO. Page 450 of 494	
CONTRACT NO. W91278-16-D-0041 0001		CONTRACT TITLE IDIQ Rental Hopper Dredge in Mobile		CONTRACTOR Dutra Dredging Company		REPORT NO. 222
DREDGE		NAME AND TYPE M/V Columbia			DATE 10 Sep 2016 - Saturday	
LOADS						
LOAD NUMBER	DREDGING AREA DISPOSAL AREA	START TIME STOP TIME (HH:MM)	PUMPING TURNING (MIN)	TO DUMP DUMPING TO CUT (MIN)	TOTAL TIME DREDGED AMOUNT AGITATED AMOUNT (MIN/CYS)	
1	Sta 1180+00 to 1240+00 Mobile 102-SW	00:00 00:22	22 0	123 4 27	176 2,635 0	
2	Sta 1180+00 to 1240+00 Mobile 102-SW	02:56 03:19	23 0	118 8 119	268 2,635 0	
3	Sta 1180+00 to 1240+00 Mobile 102-SW	07:24 07:58	34 0	123 4 118	279 2,635 0	
4	Sta 1180+00 to 1240+00 Mobile 102-SW	12:03 12:33	30 0	125 4 120	279 2,635 0	
5	Sta 1180+00 to 1240+00 Mobile 102-SW	16:42 17:10	28 0	132 8 124	292 2,635 0	
6	Sta 1180+00 to 1240+00 Mobile 102-SW	21:34 22:00	26 0	0 0 120	146 0 0	
QC NARRATIVE(S) GENERAL COMMENTS 1440 Minutes @ 100%						

QUALITY CONTROL REPORT-HOPPER DREDGE										PAGE NO. Page 451 of 494	
CONTRACT NO. W91278-16-D-0041 0001		CONTRACT TITLE IDIQ Rental Hopper Dredge in Mobile					CONTRACTOR Dutra Dredging Company			REPORT NO. 223	
CHARACTER OF REPORT		<input checked="" type="checkbox"/> MAINTENANCE <input type="checkbox"/> NEW WORK							DATE 11 Sep 2016 - Sunday		
DREDGE (M/V Columbia)		HOPPER CAP: 4,387 CY		AVG VOL OF BIN WATER: 4,387 CY		AVG UNFILLED CAP: 4,387 CY					
		NO. OF CREW MEMBERS	DREDGE 13	OTHER PLANT 5	WORK SCHEDULE	SHIFTS PER DAY 2	DAYS PER WEEK 7				
LOCATION OF WORK		LOCATION CHANNEL Mobile Harbor	REACH DREDGED; STA TO STA Sta 1180+00 to 1240+00		DISPOSAL AREA USE Mobile 102 -SW		QTY DEPOSITED GROSS(CY) 10,540	CUMULATIVE AND QTY DEPOSIT FOR DA(CY) 2,139,620			
		AVG LENGTH OF CUT 6,000 FT		AVG WIDTH OF CUT 400 FT		AVG DIST TO DUMP 20 NM					
CHARACTER OF MATERIAL		DENSITY OF MATERIALS						GMS/LITER 1.045			
		DENSITY OF WATER			1.006			GMS/LITER@ 86 °F			
RIVER/TIDE STAGE		MIN 1	TIME 00:00	MAX 0	TIME 00:00	GAGE LOCATION Dog River					
		MIN 1	TIME 00:00	MAX 0	TIME 00:00	GAGE DATUM MLLW					
WEATHER CONDITION		WEATHER		TEMP (min / max)		VISIBILITY		WIND			
		Weather Caused No Delay		74 °F / 87 °F		10		22			
DRAFT					DISTRIBUTION OF TIME AND MILES RUN						
FORWARD		LIGHT		LOADED				AGITATING (MIN)	DREDGE & HAUL (MIN)	MILES RUN (NAUT MI)	
		8		15				EFFECTIVE WORKING TIME:			
AFT											
		10		16							
DRAG DEPTH MAX 49 MIN 44					PUMPING:		00:00	01:52	0.0		
INDICATORS LAST CHECKED ON 07/19/2016					TURNING:		00:00	00:00	0.0		
					TO DUMP:		00:00	08:53	0.0		
AVERAGE SPEED OF DREDGE DURING LOADING					CONNECTING:		00:00	00:00	0.0		
					DUMPING:		00:00	00:28	0.0		
AVERAGE SPEED OF DREDGE DURING AGITATING					DISCONNECTING:		00:00	00:00	0.0		
					TO CUT:		00:00	08:15	0.0		
GALLONS OF FUEL OIL CONSUMED					TOTALS:		00:00	19:28	0.0		
					NON-EFFECTIVE WORKING TIME:						
GALLONS OF WATER CONSUMED					TAKING ON FUEL AND SUPPLIES:		00:00	00:00	0.0		
					TO AND FROM WHARF OR ANCHORAGE:		00:00	00:00	0.0		
WORK PERFORMED					LOSS DUE TO NATURAL ELEMENTS:		00:00	00:00	0.0		
DREDGING AND HAULING				AGITATING		LOSS DUE TO TRAFFIC AND BRIDGES		00:00	00:00	0.0	
NO. OF LOADS	TOTAL CYS	DISPOSAL AREA		TOTAL CYS		MINOR OPERATING REPAIRS:		00:00	04:32	0.0	
5	10,540	Mobile 102-SW		0		TRANSFERRING BETWEEN WORKS:		00:00	00:00	0.0	
						LAY TIME:		00:00	00:00	0.0	
						FIRE AND BOAT DRILLS:		00:00	00:00	0.0	
ATTENDANT PLANT					MISCELLANEOUS:		00:00	00:00	0.0		
ITEM	NAME OR NUMBER		H.P.	HOURS	TOTALS:		00:00	04:32	0.0		
40' Crewboat	Cape Anne		400	12:00	LOST TIME:						
					MAJOR REPAIRS AND ALTERATIONS:		00:00	00:00	0.0		
					CESSATION:		00:00	00:00	0.0		
					COLLISIONS:		00:00	00:00	0.0		
					TOTALS:		00:00	00:00	0.0		
					TOTAL TIME/MILES:		00:00	24:00	0.0		

QUALITY CONTROL REPORT-HOPPER DREDGE					PAGE NO. Page 452 of 494	
CONTRACT NO. W91278-16-D-0041 0001		CONTRACT TITLE IDIQ Rental Hopper Dredge in Mobile		CONTRACTOR Dutra Dredging Company		REPORT NO. 223
DREDGE		NAME AND TYPE M/V Columbia			DATE 11 Sep 2016 - Sunday	
LOADS						
LOAD NUMBER	DREDGING AREA DISPOSAL AREA	START TIME STOP TIME (HH:MM)	PUMPING TURNING (MIN)	TO DUMP DUMPING TO CUT (MIN)	TOTAL TIME DREDGED AMOUNT AGITATED AMOUNT (MIN/CYS)	
1	Sta 1180+00 to 1240+00 Mobile 102-SW	00:00 00:01	1 0	122 4 0	127 2,635 0	
2	Sta 1180+00 to 1240+00 Mobile 102-SW	02:07 02:35	28 0	119 8 119	274 2,635 0	
3	Sta 1180+00 to 1240+00 Mobile 102-SW	06:41 07:08	27 0	111 8 127	273 2,635 0	
4	Sta 1180+00 to 1240+00 Mobile 102-SW	11:14 11:43	29 0	133 8 111	281 2,635 0	
5	Sta 1180+00 to 1240+00 Mobile 102-SW	20:27 20:54	27 0	48 0 138	213 0 0	
QC NARRATIVE(S) GENERAL COMMENTS 1168 Minutes @ 100% 272 Minutes @ 0% Minor Repairs						

QUALITY CONTROL REPORT-HOPPER DREDGE											PAGE NO. <div>Page 453 of 494</div>					
CONTRACT NO. W91278-16-D-0041 0001		CONTRACT TITLE IDIQ Rental Hopper Dredge in Mobile					CONTRACTOR Dutra Dredging Company				REPORT NO. 224					
CHARACTER OF REPORT		<input checked="" type="checkbox"/> MAINTENANCE <input type="checkbox"/> NEW WORK								DATE 12 Sep 2016 - Monday						
DREDGE (M/V Columbia)		HOPPER CAP: 4,387 CY			AVG VOL OF BIN WATER: 4,387 CY			AVG UNFILLED CAP: 4,387 CY								
		NO. OF CREW MEMBERS	DREDGE 13		OTHER PLANT 5	WORK SCHEDULE	SHIFTS PER DAY 2	DAYS PER WEEK 7								
LOCATION OF WORK		LOCATION CHANNEL Mobile Harbor		REACH DREDGED; STA TO STA Sta 1180+00 to 1240+00 & 740 to 800		DISPOSAL AREA USE Mobile 102 -SW		QTY DEPOSITED GROSS(CY) 13,175		CUMULATIVE AND QTY DEPOSIT FOR DA(CY) 2,152,795						
		AVG LENGTH OF CUT 6,000 FT			AVG WIDTH OF CUT 400 FT			AVG DIST TO DUMP 20 NM								
CHARACTER OF MATERIAL		DENSITY OF MATERIALS						GMS/LITER 1.045								
		DENSITY OF WATER				1.006		GMS/LITER@ 86 °F								
RIVER/TIDE STAGE		MIN 1	TIME 00:00	MAX 0	TIME 00:00	GAGE LOCATION Dog River										
		MIN 1	TIME 00:00	MAX 0	TIME 00:00	GAGE DATUM MLLW										
WEATHER CONDITION		WEATHER Weather Caused No Delay			TEMP (min / max) 74 °F / 92 °F		VISIBILITY 10		WIND 28							
DRAFT					DISTRIBUTION OF TIME AND MILES RUN											
FORWARD		LIGHT		LOADED				AGITATING (MIN)		DREDGE & HAUL (MIN)		MILES RUN (NAUT MI)				
		8		15		EFFECTIVE WORKING TIME:										
AFT		10		16		PUMPING:		00:00		01:45		0.0				
						TURNING:		00:00		00:10		0.0				
DRAG DEPTH MAX 49 MIN 44					TO DUMP:		00:00		10:53		0.0					
INDICATORS LAST CHECKED ON 07/19/2016					CONNECTING:		00:00		00:00		0.0					
AVERAGE SPEED OF DREDGE DURING LOADING					FT/MIN 2		DUMPING:		00:00		00:45		0.0			
AVERAGE SPEED OF DREDGE DURING AGITATING					FT/MIN 0		DISCONNECTING:		00:00		00:00		0.0			
							TO CUT:		00:00		10:27		0.0			
GALLONS OF FUEL OIL CONSUMED					GAL 2,933		TOTALS:		00:00		24:00		0.0			
GALLONS OF WATER CONSUMED					GAL 935		NON-EFFECTIVE WORKING TIME:									
WORK PERFORMED					TAKING ON FUEL AND SUPPLIES:		00:00		00:00		0.0					
DREDGING AND HAULING					TO AND FROM WHARF OR ANCHORAGE:		00:00		00:00		0.0					
NO. OF LOADS		TOTAL CYS		DISPOSAL AREA		AGITATING		LOSS DUE TO NATURAL ELEMENTS:		00:00		00:00		0.0		
6		13,175		Mobile 102-SW		0		LOSS DUE TO TRAFFIC AND BRIDGES		00:00		00:00		0.0		
								MINOR OPERATING REPAIRS:		00:00		00:00		0.0		
								TRANSFERRING BETWEEN WORKS:		00:00		00:00		0.0		
								LAY TIME:		00:00		00:00		0.0		
								FIRE AND BOAT DRILLS:		00:00		00:00		0.0		
ATTENDANT PLANT					MISCELLANEOUS:		00:00		00:00		0.0					
ITEM		NAME OR NUMBER			H.P.		HOURS		TOTALS:		00:00		00:00		0.0	
40' Crewboat		Cape Anne			400		12:00		LOST TIME:							
									MAJOR REPAIRS AND ALTERATIONS:		00:00		00:00		0.0	
									CESSATION:		00:00		00:00		0.0	
									COLLISIONS:		00:00		00:00		0.0	
									TOTALS:		00:00		00:00		0.0	
									TOTAL TIME/MILES:		00:00		24:00		0.0	

QUALITY CONTROL REPORT-HOPPER DREDGE					PAGE NO. Page 454 of 494	
CONTRACT NO. W91278-16-D-0041 0001		CONTRACT TITLE IDIQ Rental Hopper Dredge in Mobile		CONTRACTOR Dutra Dredging Company		REPORT NO. 224
DREDGE		NAME AND TYPE M/V Columbia			DATE 12 Sep 2016 - Monday	
LOADS						
LOAD NUMBER	DREDGING AREA DISPOSAL AREA		START TIME STOP TIME (HH:MM)	PUMPING TURNING (MIN)	TO DUMP DUMPING TO CUT (MIN)	TOTAL TIME DREDGED AMOUNT AGITATED AMOUNT (MIN/CYS)
1	Sta 1180+00 to 1240+00 Mobile 102-SW		00:00 00:01	1 0	74 4 0	79 2,635 0
2	Sta 1180+00 to 1240+00 Mobile 102-SW		01:19 01:52	23 10	122 8 122	285 2,635 0
3	Sta 1180+00 to 1240+00 Mobile 102-SW		06:04 06:26	22 0	119 4 132	277 2,635 0
4	Sta 740+00 to 800+00 Mobile 102-SW		10:41 11:10	29 0	170 21 174	394 2,635 0
5	Sta 740+00 to 800+00 Mobile 102-SW		17:15 17:44	29 0	168 8 172	377 2,635 0
6	Sta 740+00 to 800+00 Mobile 102-SW		23:32 23:33	1 0	0 0 27	28 0 0

QC NARRATIVE(S)

GENERAL COMMENTS

1440 Minutes @ 100%

QUALITY CONTROL REPORT-HOPPER DREDGE										PAGE NO. Page 455 of 494	
CONTRACT NO. W91278-16-D-0041 0001		CONTRACT TITLE IDIQ Rental Hopper Dredge in Mobile					CONTRACTOR Dutra Dredging Company			REPORT NO. 225	
CHARACTER OF REPORT		<input checked="" type="checkbox"/> MAINTENANCE <input type="checkbox"/> NEW WORK							DATE 13 Sep 2016 - Tuesday		
DREDGE (M/V Columbia)		HOPPER CAP: 4,387 CY		AVG VOL OF BIN WATER: 4,387 CY		AVG UNFILLED CAP: 4,387 CY					
		NO. OF CREW MEMBERS	DREDGE 13	OTHER PLANT 5	WORK SCHEDULE	SHIFTS PER DAY 2	DAYS PER WEEK 7				
LOCATION OF WORK		LOCATION CHANNEL Mobile Harbor	REACH DREDGED; STA TO STA Sta 740+00 to 800+00		DISPOSAL AREA USE Mobile 102 -SW		QTY DEPOSITED GROSS(CY) 7,905	CUMULATIVE AND QTY DEPOSIT FOR DA(CY) 2,160,700			
		AVG LENGTH OF CUT 6,000 FT		AVG WIDTH OF CUT 400 FT		AVG DIST TO DUMP 28 NM					
CHARACTER OF MATERIAL		DENSITY OF MATERIALS						GMS/LITER 1.045			
		DENSITY OF WATER			1.006			GMS/LITER@ 85 °F			
RIVER/TIDE STAGE		MIN 1	TIME 00:00	MAX 0	TIME 00:00	GAGE LOCATION Dog River					
		MIN 1	TIME 00:00	MAX 0	TIME 00:00	GAGE DATUM MLLW					
WEATHER CONDITION		WEATHER		TEMP (min / max)		VISIBILITY		WIND			
		Weather Caused No Delay		72 °F / 91 °F		10		18			
DRAFT					DISTRIBUTION OF TIME AND MILES RUN						
FORWARD		LIGHT		LOADED				AGITATING (MIN)	DREDGE & HAUL (MIN)	MILES RUN (NAUT MI)	
		8		15							
AFT						EFFECTIVE WORKING TIME:					
		10		16							
DRAG DEPTH MAX 49 MIN 44					PUMPING:		00:00	01:54	0.0		
INDICATORS LAST CHECKED ON 07/19/2016					TURNING:		00:00	00:15	0.0		
					TO DUMP:		00:00	10:20	0.0		
AVERAGE SPEED OF DREDGE DURING LOADING					CONNECTING:		00:00	00:00	0.0		
					DUMPING:		00:00	00:12	0.0		
AVERAGE SPEED OF DREDGE DURING AGITATING					DISCONNECTING:		00:00	00:00	0.0		
					TO CUT:		00:00	11:19	0.0		
GALLONS OF FUEL OIL CONSUMED					TOTALS:		00:00	24:00	0.0		
					NON-EFFECTIVE WORKING TIME:						
GALLONS OF WATER CONSUMED					TAKING ON FUEL AND SUPPLIES:		00:00	00:00	0.0		
					TO AND FROM WHARF OR ANCHORAGE:		00:00	00:00	0.0		
WORK PERFORMED					LOSS DUE TO NATURAL ELEMENTS:		00:00	00:00	0.0		
DREDGING AND HAULING				AGITATING		LOSS DUE TO TRAFFIC AND BRIDGES		00:00	00:00	0.0	
NO. OF LOADS	TOTAL CYS	DISPOSAL AREA		TOTAL CYS		MINOR OPERATING REPAIRS:		00:00	00:00	0.0	
4	7,905	Mobile 102-SW		0		TRANSFERRING BETWEEN WORKS:		00:00	00:00	0.0	
						LAY TIME:		00:00	00:00	0.0	
						FIRE AND BOAT DRILLS:		00:00	00:00	0.0	
ATTENDANT PLANT					MISCELLANEOUS:		00:00	00:00	0.0		
ITEM	NAME OR NUMBER		H.P.	HOURS	TOTALS:		00:00	00:00	0.0		
40' Crewboat	Cape Anne		400	12:00	LOST TIME:						
					MAJOR REPAIRS AND ALTERATIONS:		00:00	00:00	0.0		
					CESSATION:		00:00	00:00	0.0		
					COLLISIONS:		00:00	00:00	0.0		
					TOTALS:		00:00	00:00	0.0		
					TOTAL TIME/MILES:		00:00	24:00	0.0		

QUALITY CONTROL REPORT-HOPPER DREDGE					PAGE NO. Page 456 of 494	
CONTRACT NO. W91278-16-D-0041 0001		CONTRACT TITLE IDIQ Rental Hopper Dredge in Mobile		CONTRACTOR Dutra Dredging Company		REPORT NO. 225
DREDGE		NAME AND TYPE M/V Columbia			DATE 13 Sep 2016 - Tuesday	
LOADS						
LOAD NUMBER	DREDGING AREA DISPOSAL AREA	START TIME STOP TIME (HH:MM)	PUMPING TURNING (MIN)	TO DUMP DUMPING TO CUT (MIN)	TOTAL TIME DREDGED AMOUNT AGITATED AMOUNT (MIN/CYS)	
1	Sta 740+00 to 800+00 Mobile 102-SW	00:00 00:28	28 0	169 4 134	335 2,635 0	
2	Sta 740+00 to 800+00 Mobile 102-SW	05:35 06:18	28 15	167 4 185	399 2,635 0	
3	Sta 740+00 to 800+00 Mobile 102-SW	12:14 12:41	27 0	173 4 176	380 2,635 0	
4	Sta 740+00 to 800+00 Mobile 102-SW	18:34 19:05	31 0	111 0 184	326 0 0	
QC NARRATIVE(S) GENERAL COMMENTS 1440 Minutes @ 100%						

QUALITY CONTROL REPORT-HOPPER DREDGE								PAGE NO.	
								Page 457 of 494	
CONTRACT NO. W91278-16-D-0041 0001		CONTRACT TITLE IDIQ Rental Hopper Dredge in Mobile				CONTRACTOR Dutra Dredging Company		REPORT NO. 226	
CHARACTER OF REPORT		<input checked="" type="checkbox"/> MAINTENANCE <input type="checkbox"/> NEW WORK				DATE 14 Sep 2016 - Wednesday			
DREDGE (M/V Columbia)		HOPPER CAP: 4,387 CY		AVG VOL OF BIN WATER: 4,387 CY		AVG UNFILLED CAP: 4,387 CY			
		NO. OF CREW MEMBERS	DREDGE 13	OTHER PLANT 5	WORK SCHEDULE	SHIFTS PER DAY 2	DAYS PER WEEK 7		
LOCATION OF WORK		LOCATION CHANNEL Mobile Harbor		REACH DREDGED; STA TO STA Sta 740+00 to 800+00		DISPOSAL AREA USE Mobile 102 -SW		QTY DEPOSITED GROSS(CY) 5,270	
								CUMULATIVE AND QTY DEPOSIT FOR DA(CY) 2,165,970	
		AVG LENGTH OF CUT 6,000 FT		AVG WIDTH OF CUT 400 FT		AVG DIST TO DUMP 28 NM			
CHARACTER OF MATERIAL		DENSITY OF MATERIALS				GMS/LITER 1.045			
		DENSITY OF WATER		1.006		GMS/LITER@ 85 °F			
RIVER/TIDE STAGE		MIN 0	TIME 00:00	MAX 0	TIME 00:00	GAGE LOCATION Dog River			
		MIN 0	TIME 00:00	MAX 0	TIME 00:00	GAGE DATUM MLLW			
WEATHER CONDITION		WEATHER Weather Caused No Delay		TEMP (min / max) 74 °F / 91 °F		VISIBILITY 10		WIND 25	
DRAFT				DISTRIBUTION OF TIME AND MILES RUN					
FORWARD		LIGHT	LOADED				AGITATING (MIN)	DREDGE & HAUL (MIN)	MILES RUN (NAUT MI)
		8	15		EFFECTIVE WORKING TIME:				
AFT		10	16		PUMPING: 00:00 00:31 0.0				
					TURNING: 00:00 00:00 0.0				
DRAG DEPTH MAX 49 MIN 44					TO DUMP: 00:00 04:00 0.0				
INDICATORS LAST CHECKED ON 07/19/2016					CONNECTING: 00:00 00:00 0.0				
AVERAGE SPEED OF DREDGE DURING LOADING					DUMPING: 00:00 00:12 0.0				
			FT/MIN 2		DISCONNECTING: 00:00 00:00 0.0				
AVERAGE SPEED OF DREDGE DURING AGITATING					TO CUT: 00:00 05:02 0.0				
			FT/MIN 0		TOTALS: 00:00 09:45 0.0				
GALLONS OF FUEL OIL CONSUMED					NON-EFFECTIVE WORKING TIME:				
			GAL 500		TAKING ON FUEL AND SUPPLIES: 00:00 00:00 0.0				
GALLONS OF WATER CONSUMED					TO AND FROM WHARF OR ANCHORAGE: 00:00 00:50 0.0				
			GAL 935		LOSS DUE TO NATURAL ELEMENTS: 00:00 00:00 0.0				
WORK PERFORMED				LOSS DUE TO TRAFFIC AND BRIDGES 00:00 00:00 0.0					
DREDGING AND HAULING		AGITATING		MINOR OPERATING REPAIRS: 00:00 13:25 0.0					
NO. OF LOADS	TOTAL CYS	DISPOSAL AREA		TOTAL CYS		TRANSFERRING BETWEEN WORKS: 00:00 00:00 0.0			
3	5,270	Mobile 102-SW		0		LAY TIME: 00:00 00:00 0.0			
						FIRE AND BOAT DRILLS: 00:00 00:00 0.0			
						MISCELLANEOUS: 00:00 00:00 0.0			
ATTENDANT PLANT				TOTALS: 00:00 14:15 0.0					
ITEM	NAME OR NUMBER		H.P.	HOURS	LOST TIME:				
40' Crewboat	Cape Anne		400	12:00	MAJOR REPAIRS AND ALTERATIONS: 00:00 00:00 0.0				
					CESSATION: 00:00 00:00 0.0				
					COLLISIONS: 00:00 00:00 0.0				
					TOTALS: 00:00 00:00 0.0				
					TOTAL TIME/MILES: 00:00 24:00 0.0				

QUALITY CONTROL REPORT-HOPPER DREDGE			PAGE NO. Page 458 of 494
CONTRACT NO. W91278-16-D-0041 0001	CONTRACT TITLE IDIQ Rental Hopper Dredge in Mobile	CONTRACTOR Dutra Dredging Company	REPORT NO. 226
DREDGE	NAME AND TYPE M/V Columbia	DATE 14 Sep 2016 - Wednesday	

LOADS					
LOAD NUMBER	DREDGING AREA DISPOSAL AREA	START TIME STOP TIME (HH:MM)	PUMPING TURNING (MIN)	TO DUMP DUMPING TO CUT (MIN)	TOTAL TIME DREDGED AMOUNT AGITATED AMOUNT (MIN/CYS)
1	Sta 740+00 to 800+00 Mobile 102-SW	00:00 00:01	1 0	79 4 0	84 2,635 0
2	Sta 740+00 to 800+00 Mobile 102-SW	01:24 01:53	29 0	161 8 176	374 2,635 0
3	Sta 740+00 to 800+00 Mobile 102-SW	07:38 07:39	1 0	0 0 126	127 0 0

QC NARRATIVE(S)

GENERAL COMMENTS

585 Minutes @ 100%
855 Minutes @ 0% Minor Repairs, Fuel

QUALITY CONTROL REPORT-HOPPER DREDGE										PAGE NO. Page 459 of 494							
CONTRACT NO. W91278-16-D-0041 0001		CONTRACT TITLE IDIQ Rental Hopper Dredge in Mobile					CONTRACTOR Dutra Dredging Company			REPORT NO. 227							
CHARACTER OF REPORT		<input checked="" type="checkbox"/> MAINTENANCE <input type="checkbox"/> NEW WORK							DATE 15 Sep 2016 - Thursday								
DREDGE (M/V Columbia)		HOPPER CAP: 4,387 CY		AVG VOL OF BIN WATER: 4,387 CY		AVG UNFILLED CAP: 4,387 CY											
		NO. OF CREW MEMBERS	DREDGE 13	OTHER PLANT 5	WORK SCHEDULE	SHIFTS PER DAY 2	DAYS PER WEEK 7										
LOCATION OF WORK		LOCATION CHANNEL Mobile Harbor		REACH DREDGED; STA TO STA Sta 740+00 to 800+00		DISPOSAL AREA USE Mobile 102 -SW		QTY DEPOSITED GROSS(CY) 0		CUMULATIVE AND QTY DEPOSIT FOR DA(CY) 2,165,970							
		AVG LENGTH OF CUT 6,000 FT		AVG WIDTH OF CUT 400 FT		AVG DIST TO DUMP 28 NM											
CHARACTER OF MATERIAL		DENSITY OF MATERIALS						GMS/LITER 1.045									
		DENSITY OF WATER			1.006			GMS/LITER@ 85 °F									
RIVER/TIDE STAGE		MIN 0	TIME 00:00	MAX 0	TIME 00:00	GAGE LOCATION Dog River											
		MIN 0	TIME 00:00	MAX 0	TIME 00:00	GAGE DATUM MLLW											
WEATHER CONDITION		WEATHER			TEMP (min / max)		VISIBILITY		WIND								
		Weather Caused No Delay			75 °F / 92 °F		10		24								
DRAFT					DISTRIBUTION OF TIME AND MILES RUN												
FORWARD		LIGHT		LOADED				AGITATING (MIN)		DREDGE & HAUL (MIN)		MILES RUN (NAUT MI)					
		8		15		EFFECTIVE WORKING TIME:											
AFT		10		16		PUMPING:		00:00		00:29		0.0					
						TURNING:		00:00		00:00		0.0					
DRAG DEPTH MAX 49 MIN 44					TO DUMP:		00:00		00:47		0.0						
					CONNECTING:		00:00		00:00		0.0						
INDICATORS LAST CHECKED ON 07/19/2016					DUMPING:		00:00		00:00		0.0						
					DISCONNECTING:		00:00		00:00		0.0						
AVERAGE SPEED OF DREDGE DURING LOADING						FT/MIN		2		TO CUT:		00:00		00:29		0.0	
AVERAGE SPEED OF DREDGE DURING AGITATING						FT/MIN		0		TOTALS:		00:00		01:45		0.0	
GALLONS OF FUEL OIL CONSUMED						GAL		820		NON-EFFECTIVE WORKING TIME:							
GALLONS OF WATER CONSUMED						GAL		710		TAKING ON FUEL AND SUPPLIES:		00:00		04:05		0.0	
WORK PERFORMED					TO AND FROM WHARF OR ANCHORAGE:		00:00		01:00		0.0						
					LOSS DUE TO NATURAL ELEMENTS:		00:00		00:00		0.0						
DREDGING AND HAULING				AGITATING		LOSS DUE TO TRAFFIC AND BRIDGES		00:00		00:00		0.0					
NO. OF LOADS	TOTAL CYS	DISPOSAL AREA		TOTAL CYS		MINOR OPERATING REPAIRS:		00:00		17:10		0.0					
1	0	Mobile 102-SW		0		TRANSFERRING BETWEEN WORKS:		00:00		00:00		0.0					
						LAY TIME:		00:00		00:00		0.0					
						FIRE AND BOAT DRILLS:		00:00		00:00		0.0					
ATTENDANT PLANT					MISCELLANEOUS:		00:00		00:00		0.0						
					TOTALS:		00:00		22:15		0.0						
ITEM		NAME OR NUMBER		H.P.	HOURS	LOST TIME:											
40' Crewboat		Cape Anne		400	12:00	MAJOR REPAIRS AND ALTERATIONS:		00:00		00:00		0.0					
						CESSATION:		00:00		00:00		0.0					
						COLLISIONS:		00:00		00:00		0.0					
						TOTALS:		00:00		00:00		0.0					
						TOTAL TIME/MILES:		00:00		24:00		0.0					

QUALITY CONTROL REPORT-HOPPER DREDGE					PAGE NO. Page 460 of 494	
CONTRACT NO. W91278-16-D-0041 0001		CONTRACT TITLE IDIQ Rental Hopper Dredge in Mobile		CONTRACTOR Dutra Dredging Company		REPORT NO. 227
DREDGE		NAME AND TYPE M/V Columbia			DATE 15 Sep 2016 - Thursday	
LOADS						
LOAD NUMBER	DREDGING AREA DISPOSAL AREA	START TIME STOP TIME (HH:MM)	PUMPING TURNING (MIN)	TO DUMP DUMPING TO CUT (MIN)	TOTAL TIME DREDGED AMOUNT AGITATED AMOUNT (MIN/CYS)	
1	Sta 740+00 to 800+00 Mobile 102-SW	22:15 22:44	29 0	47 0 29	105 0 0	
QC NARRATIVE(S) GENERAL COMMENTS 105 Minutes @ 100% 1335 Minutes @ 0% Minor Repairs, Fuel						

QUALITY CONTROL REPORT-HOPPER DREDGE										PAGE NO. <div>Page 461 of 494</div>	
CONTRACT NO. W91278-16-D-0041 0001		CONTRACT TITLE IDIQ Rental Hopper Dredge in Mobile				CONTRACTOR Dutra Dredging Company				REPORT NO. 228	
CHARACTER OF REPORT		<input checked="" type="checkbox"/> MAINTENANCE <input type="checkbox"/> NEW WORK								DATE 16 Sep 2016 - Friday	
DREDGE (M/V Columbia)		HOPPER CAP: 4,387 CY		AVG VOL OF BIN WATER: 4,387 CY		AVG UNFILLED CAP: 4,387 CY					
		NO. OF CREW MEMBERS	DREDGE 13	OTHER PLANT 5	WORK SCHEDULE	SHIFTS PER DAY 2	DAYS PER WEEK 7				
LOCATION OF WORK		LOCATION CHANNEL Mobile Harbor	REACH DREDGED; STA TO STA Sta 740+00 to 800+00			DISPOSAL AREA USE Mobile 102 -SW		QTY DEPOSITED GROSS(CY) 13,175	CUMULATIVE AND QTY DEPOSIT FOR DA(CY) 2,179,145		
		AVG LENGTH OF CUT 6,000 FT		AVG WIDTH OF CUT 400 FT		AVG DIST TO DUMP 28 NM					
CHARACTER OF MATERIAL		DENSITY OF MATERIALS				GMS/LITER 1.045					
		DENSITY OF WATER		1.006		GMS/LITER@ 85 °F					
RIVER/TIDE STAGE		MIN 1	TIME 00:00	MAX 0	TIME 00:00	GAGE LOCATION Dog River					
		MIN 1	TIME 00:00	MAX 0	TIME 00:00	GAGE DATUM MLLW					
WEATHER CONDITION		WEATHER Weather Caused No Delay		TEMP (min / max) 76 °F / 84 °F		VISIBILITY 10		WIND 30			
DRAFT					DISTRIBUTION OF TIME AND MILES RUN						
FORWARD	LIGHT	LOADED				AGITATING (MIN)		DREDGE & HAUL (MIN)		MILES RUN (NAUT MI)	
	8	15				EFFECTIVE WORKING TIME:					
AFT	10	16				PUMPING:		00:00	01:48	0.0	
						TURNING:		00:00	00:00	0.0	
DRAG DEPTH MAX 49 MIN 44						TO DUMP:		00:00	11:22	0.0	
INDICATORS LAST CHECKED ON 07/19/2016						CONNECTING:		00:00	00:00	0.0	
AVERAGE SPEED OF DREDGE DURING LOADING				FT/MIN 2		DUMPING:		00:00	00:16	0.0	
AVERAGE SPEED OF DREDGE DURING AGITATING				FT/MIN 0		DISCONNECTING:		00:00	00:00	0.0	
						TO CUT:		00:00	10:34	0.0	
GALLONS OF FUEL OIL CONSUMED				GAL 2,676		TOTALS:		00:00	24:00	0.0	
GALLONS OF WATER CONSUMED				GAL 935		NON-EFFECTIVE WORKING TIME:					
						TAKING ON FUEL AND SUPPLIES:		00:00	00:00	0.0	
						TO AND FROM WHARF OR ANCHORAGE:		00:00	00:00	0.0	
						LOSS DUE TO NATURAL ELEMENTS:		00:00	00:00	0.0	
						LOSS DUE TO TRAFFIC AND BRIDGES		00:00	00:00	0.0	
						MINOR OPERATING REPAIRS:		00:00	00:00	0.0	
						TRANSFERRING BETWEEN WORKS:		00:00	00:00	0.0	
						LAY TIME:		00:00	00:00	0.0	
						FIRE AND BOAT DRILLS:		00:00	00:00	0.0	
						MISCELLANEOUS:		00:00	00:00	0.0	
						TOTALS:		00:00	00:00	0.0	
						LOST TIME:					
						MAJOR REPAIRS AND ALTERATIONS:		00:00	00:00	0.0	
						CESSATION:		00:00	00:00	0.0	
						COLLISIONS:		00:00	00:00	0.0	
						TOTALS:		00:00	00:00	0.0	
						TOTAL TIME/MILES:		00:00	24:00	0.0	

QUALITY CONTROL REPORT-HOPPER DREDGE					PAGE NO. Page 462 of 494	
CONTRACT NO. W91278-16-D-0041 0001		CONTRACT TITLE IDIQ Rental Hopper Dredge in Mobile		CONTRACTOR Dutra Dredging Company		REPORT NO. 228
DREDGE		NAME AND TYPE M/V Columbia			DATE 16 Sep 2016 - Friday	
LOADS						
LOAD NUMBER	DREDGING AREA DISPOSAL AREA	START TIME STOP TIME (HH:MM)	PUMPING TURNING (MIN)	TO DUMP DUMPING TO CUT (MIN)	TOTAL TIME DREDGED AMOUNT AGITATED AMOUNT (MIN/CYS)	
1	Sta 740+00 to 800+00 Mobile 102-SW	00:00 00:01	1 0	133 4 0	138 2,635 0	
2	Sta 740+00 to 800+00 Mobile 102-SW	02:18 02:44	26 0	175 4 158	363 2,635 0	
3	Sta 740+00 to 800+00 Mobile 102-SW	08:21 08:49	28 0	165 4 160	357 2,635 0	
4	Sta 740+00 to 800+00 Mobile 102-SW	14:18 14:45	27 0	167 4 165	363 2,635 0	
5	Sta 740+00 to 800+00 Mobile 102-SW	20:21 20:47	26 0	42 0 151	219 2,635 0	
QC NARRATIVE(S) GENERAL COMMENTS 1440 Minutes @ 100%						

QUALITY CONTROL REPORT-HOPPER DREDGE										PAGE NO. Page 463 of 494	
CONTRACT NO. W91278-16-D-0041 0001		CONTRACT TITLE IDIQ Rental Hopper Dredge in Mobile					CONTRACTOR Dutra Dredging Company			REPORT NO. 229	
CHARACTER OF REPORT		<input checked="" type="checkbox"/> MAINTENANCE <input type="checkbox"/> NEW WORK							DATE 17 Sep 2016 - Saturday		
DREDGE (M/V Columbia)		HOPPER CAP: 4,387 CY		AVG VOL OF BIN WATER: 4,387 CY		AVG UNFILLED CAP: 4,387 CY					
		NO. OF CREW MEMBERS	DREDGE 13	OTHER PLANT 5	WORK SCHEDULE	SHIFTS PER DAY 2	DAYS PER WEEK 7				
LOCATION OF WORK		LOCATION CHANNEL Mobile Harbor	REACH DREDGED; STA TO STA Sta 740+00 to 800+00		DISPOSAL AREA USE Mobile 102 -SW		QTY DEPOSITED GROSS(CY) 10,540	CUMULATIVE AND QTY DEPOSIT FOR DA(CY) 2,189,685			
		AVG LENGTH OF CUT 6,000 FT		AVG WIDTH OF CUT 400 FT		AVG DIST TO DUMP 28 NM					
CHARACTER OF MATERIAL		DENSITY OF MATERIALS					GMS/LITER 1.045				
		DENSITY OF WATER			1.006		GMS/LITER@ 85 °F				
RIVER/TIDE STAGE		MIN 1	TIME 00:00	MAX 0	TIME 00:00	GAGE LOCATION Dog River					
		MIN 1	TIME 00:00	MAX 0	TIME 00:00	GAGE DATUM MLLW					
WEATHER CONDITION		WEATHER		TEMP (min / max)		VISIBILITY		WIND			
		Weather Caused No Delay		76 °F / 85 °F		10		25			
DRAFT					DISTRIBUTION OF TIME AND MILES RUN						
FORWARD		LIGHT		LOADED				AGITATING (MIN)	DREDGE & HAUL (MIN)	MILES RUN (NAUT MI)	
		8		15				EFFECTIVE WORKING TIME:			
AFT											
		10		16							
DRAG DEPTH MAX 49 MIN 44					PUMPING:		00:00	01:52	0.0		
INDICATORS LAST CHECKED ON 07/19/2016					TURNING:		00:00	00:08	0.0		
					TO DUMP:		00:00	10:57	0.0		
AVERAGE SPEED OF DREDGE DURING LOADING					CONNECTING:		00:00	00:00	0.0		
					DUMPING:		00:00	00:37	0.0		
AVERAGE SPEED OF DREDGE DURING AGITATING					DISCONNECTING:		00:00	00:00	0.0		
					TO CUT:		00:00	10:26	0.0		
GALLONS OF FUEL OIL CONSUMED					TOTALS:		00:00	24:00	0.0		
					NON-EFFECTIVE WORKING TIME:						
GALLONS OF WATER CONSUMED					TAKING ON FUEL AND SUPPLIES:		00:00	00:00	0.0		
					TO AND FROM WHARF OR ANCHORAGE:		00:00	00:00	0.0		
WORK PERFORMED					LOSS DUE TO NATURAL ELEMENTS:		00:00	00:00	0.0		
DREDGING AND HAULING				AGITATING		LOSS DUE TO TRAFFIC AND BRIDGES		00:00	00:00	0.0	
NO. OF LOADS	TOTAL CYS	DISPOSAL AREA		TOTAL CYS		MINOR OPERATING REPAIRS:		00:00	00:00	0.0	
5	10,540	Mobile 102-SW		0		TRANSFERRING BETWEEN WORKS:		00:00	00:00	0.0	
						LAY TIME:		00:00	00:00	0.0	
						FIRE AND BOAT DRILLS:		00:00	00:00	0.0	
ATTENDANT PLANT					MISCELLANEOUS:		00:00	00:00	0.0		
ITEM	NAME OR NUMBER		H.P.	HOURS	TOTALS:		00:00	00:00	0.0		
40' Crewboat	Cape Anne		400	12:00	LOST TIME:						
					MAJOR REPAIRS AND ALTERATIONS:		00:00	00:00	0.0		
					CESSATION:		00:00	00:00	0.0		
					COLLISIONS:		00:00	00:00	0.0		
					TOTALS:		00:00	00:00	0.0		
					TOTAL TIME/MILES:		00:00	24:00	0.0		

QUALITY CONTROL REPORT-HOPPER DREDGE					PAGE NO. Page 464 of 494	
CONTRACT NO. W91278-16-D-0041 0001		CONTRACT TITLE IDIQ Rental Hopper Dredge in Mobile		CONTRACTOR Dutra Dredging Company		REPORT NO. 229
DREDGE		NAME AND TYPE M/V Columbia			DATE 17 Sep 2016 - Saturday	
LOADS						
LOAD NUMBER	DREDGING AREA DISPOSAL AREA	START TIME STOP TIME (HH:MM)	PUMPING TURNING (MIN)	TO DUMP DUMPING TO CUT (MIN)	TOTAL TIME DREDGED AMOUNT AGITATED AMOUNT (MIN/CYS)	
1	Sta 740+00 to 800+00 Mobile 102-SW	00:00 00:01	1 0	142 4 0	147 2,635 0	
2	Sta 740+00 to 800+00 Mobile 102-SW	02:27 02:54	27 0	172 25 154	378 2,635 0	
3	Sta 740+00 to 800+00 Mobile 102-SW	08:45 09:12	27 0	177 4 161	369 2,635 0	
4	Sta 740+00 to 800+00 Mobile 102-SW	14:54 15:36	34 8	160 4 153	359 2,635 0	
5	Sta 740+00 to 800+00 Mobile 102-SW	20:53 21:16	23 0	6 0 158	187 0 0	
QC NARRATIVE(S) GENERAL COMMENTS 1440 Minutes @ 100%						

QUALITY CONTROL REPORT-HOPPER DREDGE										PAGE NO. Page 465 of 494	
CONTRACT NO. W91278-16-D-0041 0001		CONTRACT TITLE IDIQ Rental Hopper Dredge in Mobile					CONTRACTOR Dutra Dredging Company			REPORT NO. 230	
CHARACTER OF REPORT		<input checked="" type="checkbox"/> MAINTENANCE <input type="checkbox"/> NEW WORK							DATE 18 Sep 2016 - Sunday		
DREDGE (M/V Columbia)		HOPPER CAP: 4,387 CY			AVG VOL OF BIN WATER: 4,387 CY			AVG UNFILLED CAP: 4,387 CY			
		NO. OF CREW MEMBERS	DREDGE	OTHER PLANT	WORK SCHEDULE	SHIFTS PER DAY	DAYS PER WEEK				
			13	5		2	7				
LOCATION OF WORK		LOCATION CHANNEL Mobile Harbor		REACH DREDGED; STA TO STA Sta 740+00 to 800+00		DISPOSAL AREA USE Mobile 102 -SW		QTY DEPOSITED GROSS(CY) 10,540	CUMULATIVE AND QTY DEPOSIT FOR DA(CY) 2,200,225		
		AVG LENGTH OF CUT 6,000 FT			AVG WIDTH OF CUT 400 FT			AVG DIST TO DUMP 28 NM			
CHARACTER OF MATERIAL		DENSITY OF MATERIALS						GMS/LITER 1.045			
		DENSITY OF WATER			1.006			GMS/LITER@ 85 °F			
RIVER/TIDE STAGE		MIN 1	TIME 00:00	MAX 0	TIME 00:00	GAGE LOCATION Dog River					
		MIN 1	TIME 00:00	MAX 0	TIME 00:00	GAGE DATUM MLLW					
WEATHER CONDITION		WEATHER			TEMP (min / max)		VISIBILITY		WIND		
		Weather Caused No Delay			76 °F / 86 °F		10		22		
DRAFT					DISTRIBUTION OF TIME AND MILES RUN						
FORWARD		LIGHT	LOADED				AGITATING (MIN)	DREDGE & HAUL (MIN)	MILES RUN (NAUT MI)		
		8	15				EFFECTIVE WORKING TIME:				
AFT						PUMPING:					
		10		16		TURNING:					
DRAG DEPTH MAX 49 MIN 44							TO DUMP:				
INDICATORS LAST CHECKED ON 07/19/2016							CONNECTING:				
AVERAGE SPEED OF DREDGE DURING LOADING					FT/MIN	DUMPING:					
					2	DISCONNECTING:					
AVERAGE SPEED OF DREDGE DURING AGITATING					FT/MIN	TO CUT:					
					0	TOTALS:					
GALLONS OF FUEL OIL CONSUMED					GAL	NON-EFFECTIVE WORKING TIME:					
					2,867	TAKING ON FUEL AND SUPPLIES:					
GALLONS OF WATER CONSUMED					GAL	TO AND FROM WHARF OR ANCHORAGE:					
					935	LOSS DUE TO NATURAL ELEMENTS:					
WORK PERFORMED					LOSS DUE TO TRAFFIC AND BRIDGES						
DREDGING AND HAULING			AGITATING		MINOR OPERATING REPAIRS:						
NO. OF LOADS	TOTAL CYS	DISPOSAL AREA		TOTAL CYS	TRANSFERRING BETWEEN WORKS:						
5	10,540	Mobile 102-SW		0	LAY TIME:						
					FIRE AND BOAT DRILLS:						
ATTENDANT PLANT					MISCELLANEOUS:						
ITEM	NAME OR NUMBER		H.P.	HOURS	TOTALS:						
40' Crewboat	Cape Anne		400	12:00	LOST TIME:						
					MAJOR REPAIRS AND ALTERATIONS:						
					CESSATION:						
					COLLISIONS:						
					TOTALS:						
					TOTAL TIME/MILES:						

QUALITY CONTROL REPORT-HOPPER DREDGE					PAGE NO. Page 466 of 494	
CONTRACT NO. W91278-16-D-0041 0001		CONTRACT TITLE IDIQ Rental Hopper Dredge in Mobile		CONTRACTOR Dutra Dredging Company		REPORT NO. 230
DREDGE		NAME AND TYPE M/V Columbia			DATE 18 Sep 2016 - Sunday	
LOADS						
LOAD NUMBER	DREDGING AREA DISPOSAL AREA		START TIME STOP TIME (HH:MM)	PUMPING TURNING (MIN)	TO DUMP DUMPING TO CUT (MIN)	TOTAL TIME DREDGED AMOUNT AGITATED AMOUNT (MIN/CYS)
1	Sta 740+00 to 800+00 Mobile 102-SW		00:00 00:01	1 0	161 4 0	166 2,635 0
2	Sta 740+00 to 800+00 Mobile 102-SW		02:46 03:14	28 0	171 40 153	392 2,635 0
3	Sta 740+00 to 800+00 Mobile 102-SW		09:18 09:46	28 0	177 4 159	368 2,635 0
4	Sta 740+00 to 800+00 Mobile 102-SW		15:26 15:54	28 0	157 4 170	359 2,635 0
5	Sta 740+00 to 800+00 Mobile 102-SW		21:25 21:29	4 0	0 0 151	155 0 0

QC NARRATIVE(S)

GENERAL COMMENTS

1440 Minutes @ 100%

QUALITY CONTROL REPORT-HOPPER DREDGE											PAGE NO. <div>Page 467 of 494</div>					
CONTRACT NO. W91278-16-D-0041 0001		CONTRACT TITLE IDIQ Rental Hopper Dredge in Mobile					CONTRACTOR Dutra Dredging Company				REPORT NO. 231					
CHARACTER OF REPORT		<input checked="" type="checkbox"/> MAINTENANCE <input type="checkbox"/> NEW WORK								DATE 19 Sep 2016 - Monday						
DREDGE (M/V Columbia)		HOPPER CAP: 4,387 CY			AVG VOL OF BIN WATER: 4,387 CY			AVG UNFILLED CAP: 4,387 CY								
		NO. OF CREW MEMBERS	DREDGE 13		OTHER PLANT 5	WORK SCHEDULE	SHIFTS PER DAY 2	DAYS PER WEEK 7								
LOCATION OF WORK		LOCATION CHANNEL Mobile Harbor		REACH DREDGED; STA TO STA Sta 740+00 to 800+00		DISPOSAL AREA USE Mobile 102 -SW		QTY DEPOSITED GROSS(CY) 10,540		CUMULATIVE AND QTY DEPOSIT FOR DA(CY) 2,210,765						
		AVG LENGTH OF CUT 6,000 FT			AVG WIDTH OF CUT 400 FT			AVG DIST TO DUMP 28 NM								
CHARACTER OF MATERIAL		DENSITY OF MATERIALS						GMS/LITER 1.045								
		DENSITY OF WATER			1.006			GMS/LITER@ 85 °F								
RIVER/TIDE STAGE		MIN 1	TIME 00:00	MAX 0	TIME 00:00	GAGE LOCATION Dog River										
		MIN 1	TIME 00:00	MAX 0	TIME 00:00	GAGE DATUM MLLW										
WEATHER CONDITION		WEATHER Weather Caused No Delay			TEMP (min / max) 765 °F / 91 °F		VISIBILITY 10		WIND 14							
DRAFT					DISTRIBUTION OF TIME AND MILES RUN											
FORWARD		LIGHT		LOADED				AGITATING (MIN)		DREDGE & HAUL (MIN)		MILES RUN (NAUT MI)				
		8		15		EFFECTIVE WORKING TIME:										
AFT		10		16		PUMPING:		00:00		01:58		0.0				
						TURNING:		00:00		00:00		0.0				
DRAG DEPTH MAX 49 MIN 44					TO DUMP:		00:00		11:20		0.0					
INDICATORS LAST CHECKED ON 07/19/2016					CONNECTING:		00:00		00:00		0.0					
AVERAGE SPEED OF DREDGE DURING LOADING					FT/MIN		DUMPING:		00:00		00:42		0.0			
					2		DISCONNECTING:		00:00		00:00		0.0			
AVERAGE SPEED OF DREDGE DURING AGITATING					FT/MIN		TO CUT:		00:00		10:00		0.0			
					0		TOTALS:		00:00		24:00		0.0			
GALLONS OF FUEL OIL CONSUMED					GAL		2,486		NON-EFFECTIVE WORKING TIME:							
GALLONS OF WATER CONSUMED					GAL		935		TAKING ON FUEL AND SUPPLIES:		00:00		00:00		0.0	
WORK PERFORMED					TO AND FROM WHARF OR ANCHORAGE:		00:00		00:00		0.0					
DREDGING AND HAULING			AGITATING		LOSS DUE TO NATURAL ELEMENTS:		00:00		00:00		0.0					
NO. OF LOADS	TOTAL CYS	DISPOSAL AREA		TOTAL CYS		LOSS DUE TO TRAFFIC AND BRIDGES		00:00		00:00		0.0				
5	10,540	Mobile 102-SW		0		MINOR OPERATING REPAIRS:		00:00		00:00		0.0				
						TRANSFERRING BETWEEN WORKS:		00:00		00:00		0.0				
						LAY TIME:		00:00		00:00		0.0				
						FIRE AND BOAT DRILLS:		00:00		00:00		0.0				
ATTENDANT PLANT					MISCELLANEOUS:		00:00		00:00		0.0					
ITEM		NAME OR NUMBER		H.P.	HOURS	TOTALS:		00:00		00:00		0.0				
40' Crewboat		Cape Anne		400	12:00	LOST TIME:										
						MAJOR REPAIRS AND ALTERATIONS:		00:00		00:00		0.0				
						CESSATION:		00:00		00:00		0.0				
						COLLISIONS:		00:00		00:00		0.0				
						TOTALS:		00:00		00:00		0.0				
						TOTAL TIME/MILES:		00:00		24:00		0.0				

QUALITY CONTROL REPORT-HOPPER DREDGE					PAGE NO. Page 468 of 494	
CONTRACT NO. W91278-16-D-0041 0001		CONTRACT TITLE IDIQ Rental Hopper Dredge in Mobile		CONTRACTOR Dutra Dredging Company		REPORT NO. 231
DREDGE		NAME AND TYPE M/V Columbia			DATE 19 Sep 2016 - Monday	
LOADS						
LOAD NUMBER	DREDGING AREA DISPOSAL AREA	START TIME STOP TIME (HH:MM)	PUMPING TURNING (MIN)	TO DUMP DUMPING TO CUT (MIN)	TOTAL TIME DREDGED AMOUNT AGITATED AMOUNT (MIN/CYS)	
1	Sta 740+00 to 800+00 Mobile 102-SW	00:00 00:22	22 0	169 4 0	195 2,635 0	
2	Sta 740+00 to 800+00 Mobile 102-SW	03:15 03:47	32 0	166 30 160	388 2,635 0	
3	Sta 740+00 to 800+00 Mobile 102-SW	09:43 10:13	30 0	178 4 157	369 2,635 0	
4	Sta 740+00 to 800+00 Mobile 102-SW	15:52 16:25	33 0	167 4 161	365 2,635 0	
5	Sta 740+00 to 800+00 Mobile 102-SW	21:57 21:58	1 0	0 0 122	123 0 0	
QC NARRATIVE(S)						
GENERAL COMMENTS						
1440 Minutes @ 100%						

QUALITY CONTROL REPORT-HOPPER DREDGE										PAGE NO. Page 469 of 494								
CONTRACT NO. W91278-16-D-0041 0001		CONTRACT TITLE IDIQ Rental Hopper Dredge in Mobile					CONTRACTOR Dutra Dredging Company			REPORT NO. 232								
CHARACTER OF REPORT		<input checked="" type="checkbox"/> MAINTENANCE <input type="checkbox"/> NEW WORK							DATE 20 Sep 2016 - Tuesday									
DREDGE (M/V Columbia)		HOPPER CAP: 4,387 CY		AVG VOL OF BIN WATER: 4,387 CY			AVG UNFILLED CAP: 4,387 CY											
		NO. OF CREW MEMBERS	DREDGE 13	OTHER PLANT 5		WORK SCHEDULE		SHIFTS PER DAY 2		DAYS PER WEEK 7								
LOCATION OF WORK		LOCATION CHANNEL Mobile Harbor		REACH DREDGED; STA TO STA Sta 740+00 to 800+00			DISPOSAL AREA USE Mobile 102 -SW		QTY DEPOSITED GROSS(CY) 10,540		CUMULATIVE AND QTY DEPOSIT FOR DA(CY) 2,221,305							
		AVG LENGTH OF CUT 6,000 FT			AVG WIDTH OF CUT 400 FT			AVG DIST TO DUMP 28 NM										
CHARACTER OF MATERIAL		DENSITY OF MATERIALS						GMS/LITER 1.045										
		DENSITY OF WATER				1.006		GMS/LITER@ 85 °F										
RIVER/TIDE STAGE		MIN 1	TIME 00:00	MAX 0	TIME 00:00	GAGE LOCATION Dog River												
		MIN 1	TIME 00:00	MAX 0	TIME 00:00	GAGE DATUM MLLW												
WEATHER CONDITION		WEATHER			TEMP (min / max)		VISIBILITY		WIND									
		Weather Caused No Delay			75 °F / 93 °F		10		19									
DRAFT					DISTRIBUTION OF TIME AND MILES RUN													
FORWARD		LIGHT		LOADED				AGITATING (MIN)		DREDGE & HAUL (MIN)		MILES RUN (NAUT MI)						
		8		15		EFFECTIVE WORKING TIME:												
AFT		10		16		PUMPING:		00:00		01:56		0.0						
						TURNING:		00:00		00:00		0.0						
DRAG DEPTH MAX 49 MIN 44					TO DUMP:		00:00		11:14		0.0							
					CONNECTING:		00:00		00:00		0.0							
INDICATORS LAST CHECKED ON 07/19/2016					DUMPING:		00:00		00:16		0.0							
					DISCONNECTING:		00:00		00:00		0.0							
AVERAGE SPEED OF DREDGE DURING LOADING							FT/MIN		2		TO CUT:		00:00		10:34		0.0	
AVERAGE SPEED OF DREDGE DURING AGITATING							FT/MIN		0		TOTALS:		00:00		24:00		0.0	
GALLONS OF FUEL OIL CONSUMED							GAL		2,584		NON-EFFECTIVE WORKING TIME:							
GALLONS OF WATER CONSUMED							GAL		848		TAKING ON FUEL AND SUPPLIES:		00:00		00:00		0.0	
WORK PERFORMED											TO AND FROM WHARF OR ANCHORAGE:		00:00		00:00		0.0	
													LOSS DUE TO NATURAL ELEMENTS:		00:00		00:00	
DREDGING AND HAULING				AGITATING						LOSS DUE TO TRAFFIC AND BRIDGES		00:00		00:00		0.0		
NO. OF LOADS		TOTAL CYS		DISPOSAL AREA		TOTAL CYS				MINOR OPERATING REPAIRS:		00:00		00:00		0.0		
5		10,540		Mobile 102-SW		0				TRANSFERRING BETWEEN WORKS:		00:00		00:00		0.0		
										LAY TIME:		00:00		00:00		0.0		
										FIRE AND BOAT DRILLS:		00:00		00:00		0.0		
ATTENDANT PLANT											MISCELLANEOUS:		00:00		00:00		0.0	
													TOTALS:		00:00		00:00	
ITEM		NAME OR NUMBER			H.P.		HOURS		LOST TIME:									
40' Crewboat		Cape Anne			400		12:00				MAJOR REPAIRS AND ALTERATIONS:		00:00		00:00		0.0	
											CESSATION:		00:00		00:00		0.0	
											COLLISIONS:		00:00		00:00		0.0	
											TOTALS:		00:00		00:00		0.0	
											TOTAL TIME/MILES:		00:00		24:00		0.0	

QUALITY CONTROL REPORT-HOPPER DREDGE					PAGE NO. Page 470 of 494	
CONTRACT NO. W91278-16-D-0041 0001		CONTRACT TITLE IDIQ Rental Hopper Dredge in Mobile		CONTRACTOR Dutra Dredging Company		REPORT NO. 232
DREDGE		NAME AND TYPE M/V Columbia			DATE 20 Sep 2016 - Tuesday	
LOADS						
LOAD NUMBER	DREDGING AREA DISPOSAL AREA		START TIME STOP TIME (HH:MM)	PUMPING TURNING (MIN)	TO DUMP DUMPING TO CUT (MIN)	TOTAL TIME DREDGED AMOUNT AGITATED AMOUNT (MIN/CYS)
1	Sta 740+00 to 800+00 Mobile 102-SW		00:00 00:27	27 0	173 4 29	233 2,635 0
2	Sta 740+00 to 800+00 Mobile 102-SW		03:53 04:21	28 0	164 4 175	371 2,635 0
3	Sta 740+00 to 800+00 Mobile 102-SW		10:04 10:35	31 0	175 4 166	376 2,635 0
4	Sta 740+00 to 800+00 Mobile 102-SW		16:20 16:49	29 0	162 4 153	348 2,635 0
5	Sta 740+00 to 800+00 Mobile 102-SW		22:08 22:09	1 0	0 0 111	112 0 0

QC NARRATIVE(S)

GENERAL COMMENTS

1440 Minutes @ 100%

QUALITY CONTROL REPORT-HOPPER DREDGE										PAGE NO. Page 471 of 494										
CONTRACT NO. W91278-16-D-0041 0001		CONTRACT TITLE IDIQ Rental Hopper Dredge in Mobile					CONTRACTOR Dutra Dredging Company			REPORT NO. 233										
CHARACTER OF REPORT		<input checked="" type="checkbox"/> MAINTENANCE <input type="checkbox"/> NEW WORK							DATE 21 Sep 2016 - Wednesday											
DREDGE (M/V Columbia)		HOPPER CAP: 4,387 CY		AVG VOL OF BIN WATER: 4,387 CY			AVG UNFILLED CAP: 4,387 CY													
		NO. OF CREW MEMBERS	DREDGE 13	OTHER PLANT 5		WORK SCHEDULE		SHIFTS PER DAY 2		DAYS PER WEEK 7										
LOCATION OF WORK		LOCATION CHANNEL Mobile Harbor		REACH DREDGED; STA TO STA Sta 740+00 to 800+00			DISPOSAL AREA USE Mobile 102 -SW		QTY DEPOSITED GROSS(CY) 10,540		CUMULATIVE AND QTY DEPOSIT FOR DA(CY) 2,231,845									
		AVG LENGTH OF CUT 6,000 FT			AVG WIDTH OF CUT 400 FT			AVG DIST TO DUMP 28 NM												
CHARACTER OF MATERIAL		DENSITY OF MATERIALS						GMS/LITER 1.045												
		DENSITY OF WATER				1.006		GMS/LITER@ 85 °F												
RIVER/TIDE STAGE		MIN 1	TIME 00:00	MAX 0	TIME 00:00	GAGE LOCATION Dog River														
		MIN 1	TIME 00:00	MAX 0	TIME 00:00	GAGE DATUM MLLW														
WEATHER CONDITION		WEATHER			TEMP (min / max)		VISIBILITY		WIND											
		Weather Caused No Delay			75 °F / 94 °F		10		30											
DRAFT					DISTRIBUTION OF TIME AND MILES RUN															
FORWARD		LIGHT		LOADED				AGITATING (MIN)		DREDGE & HAUL (MIN)		MILES RUN (NAUT MI)								
		8		15		EFFECTIVE WORKING TIME:														
AFT		10		16		PUMPING:		00:00		01:55		0.0								
						TURNING:		00:00		00:00		0.0								
DRAG DEPTH MAX 49 MIN 44					TO DUMP:		00:00		11:55		0.0									
					CONNECTING:		00:00		00:00		0.0									
INDICATORS LAST CHECKED ON 07/19/2016					DUMPING:		00:00		00:16		0.0									
					DISCONNECTING:		00:00		00:00		0.0									
AVERAGE SPEED OF DREDGE DURING LOADING							FT/MIN		2		TO CUT:		00:00		09:54		0.0			
AVERAGE SPEED OF DREDGE DURING AGITATING							FT/MIN		0		TOTALS:		00:00		24:00		0.0			
GALLONS OF FUEL OIL CONSUMED							GAL		2,756		NON-EFFECTIVE WORKING TIME:									
GALLONS OF WATER CONSUMED							GAL		935		TAKING ON FUEL AND SUPPLIES:		00:00		00:00		0.0			
WORK PERFORMED					DREDGING AND HAULING		AGITATING		TO AND FROM WHARF OR ANCHORAGE:		00:00		00:00		0.0					
									LOSS DUE TO NATURAL ELEMENTS:		00:00		00:00		0.0					
NO. OF LOADS		TOTAL CYS		DISPOSAL AREA		TOTAL CYS		LOSS DUE TO TRAFFIC AND BRIDGES		00:00		00:00		0.0						
5		10,540		Mobile 102-SW		0		MINOR OPERATING REPAIRS:		00:00		00:00		0.0						
								TRANSFERRING BETWEEN WORKS:		00:00		00:00		0.0						
								LAY TIME:		00:00		00:00		0.0						
								FIRE AND BOAT DRILLS:		00:00		00:00		0.0						
ATTENDANT PLANT					ITEM		NAME OR NUMBER		H.P.		HOURS		MISCELLANEOUS:		00:00		00:00		0.0	
													TOTALS:		00:00		00:00		0.0	
40' Crewboat		Cape Anne		400		12:00		LOST TIME:												
								MAJOR REPAIRS AND ALTERATIONS:		00:00		00:00		0.0						
								CESSATION:		00:00		00:00		0.0						
								COLLISIONS:		00:00		00:00		0.0						
								TOTALS:		00:00		00:00		0.0						
								TOTAL TIME/MILES:		00:00		24:00		0.0						

QUALITY CONTROL REPORT-HOPPER DREDGE					PAGE NO. Page 472 of 494	
CONTRACT NO. W91278-16-D-0041 0001		CONTRACT TITLE IDIQ Rental Hopper Dredge in Mobile		CONTRACTOR Dutra Dredging Company		REPORT NO. 233
DREDGE		NAME AND TYPE M/V Columbia			DATE 21 Sep 2016 - Wednesday	
LOADS						
LOAD NUMBER	DREDGING AREA DISPOSAL AREA	START TIME STOP TIME (HH:MM)	PUMPING TURNING (MIN)	TO DUMP DUMPING TO CUT (MIN)	TOTAL TIME DREDGED AMOUNT AGITATED AMOUNT (MIN/CYS)	
1	Sta 740+00 to 800+00 Mobile 102-SW	00:00 00:28	28 0	168 4 34	234 2,635 0	
2	Sta 740+00 to 800+00 Mobile 102-SW	03:54 04:23	29 0	167 4 158	358 2,635 0	
3	Sta 740+00 to 800+00 Mobile 102-SW	09:52 10:21	29 0	178 4 158	369 2,635 0	
4	Sta 740+00 to 800+00 Mobile 102-SW	16:01 16:29	28 0	202 4 164	398 2,635 0	
5	Sta 740+00 to 800+00 Mobile 102-SW	22:39 22:40	1 0	0 0 80	81 0 0	
QC NARRATIVE(S)						
GENERAL COMMENTS						
1440 Minutes @ 100%						

QUALITY CONTROL REPORT-HOPPER DREDGE										PAGE NO. Page 473 of 494	
CONTRACT NO. W91278-16-D-0041 0001		CONTRACT TITLE IDIQ Rental Hopper Dredge in Mobile					CONTRACTOR Dutra Dredging Company			REPORT NO. 234	
CHARACTER OF REPORT		<input checked="" type="checkbox"/> MAINTENANCE <input type="checkbox"/> NEW WORK							DATE 22 Sep 2016 - Thursday		
DREDGE (M/V Columbia)		HOPPER CAP: 4,387 CY		AVG VOL OF BIN WATER: 4,387 CY		AVG UNFILLED CAP: 4,387 CY					
		NO. OF CREW MEMBERS	DREDGE 13	OTHER PLANT 5	WORK SCHEDULE	SHIFTS PER DAY 2	DAYS PER WEEK 7				
LOCATION OF WORK		LOCATION CHANNEL Mobile Harbor	REACH DREDGED; STA TO STA Sta 740+00 to 800+00		DISPOSAL AREA USE Mobile 102 -SW		QTY DEPOSITED GROSS(CY) 7,905	CUMULATIVE AND QTY DEPOSIT FOR DA(CY) 2,239,750			
		AVG LENGTH OF CUT 6,000 FT		AVG WIDTH OF CUT 400 FT		AVG DIST TO DUMP 28 NM					
CHARACTER OF MATERIAL		DENSITY OF MATERIALS						GMS/LITER 1.045			
		DENSITY OF WATER			1.006			GMS/LITER@ 85 °F			
RIVER/TIDE STAGE		MIN 2	TIME 00:00	MAX 0	TIME 00:00	GAGE LOCATION Dog River					
		MIN 1	TIME 00:00	MAX 0	TIME 00:00	GAGE DATUM MLLW					
WEATHER CONDITION		WEATHER Weather Caused No Delay		TEMP (min / max) 76 °F / 94 °F		VISIBILITY 10		WIND 34			
DRAFT					DISTRIBUTION OF TIME AND MILES RUN						
FORWARD		LIGHT		LOADED				AGITATING (MIN)	DREDGE & HAUL (MIN)	MILES RUN (NAUT MI)	
		8		15		EFFECTIVE WORKING TIME:					
AFT		10		16		PUMPING:		00:00	01:58	0.0	
DRAG DEPTH MAX 49 MIN 44 INDICATORS LAST CHECKED ON 07/19/2016 AVERAGE SPEED OF DREDGE DURING LOADING AVERAGE SPEED OF DREDGE DURING AGITATING GALLONS OF FUEL OIL CONSUMED GALLONS OF WATER CONSUMED				FT/MIN 2		TURNING:		00:00	00:12	0.0	
				FT/MIN 0		TO DUMP:		00:00	09:49	0.0	
						CONNECTING:		00:00	00:00	0.0	
						DUMPING:		00:00	00:31	0.0	
						DISCONNECTING:		00:00	00:00	0.0	
						TO CUT:		00:00	09:08	0.0	
						TOTALS:		00:00	21:38	0.0	
WORK PERFORMED					NON-EFFECTIVE WORKING TIME:						
DREDGING AND HAULING			AGITATING		TAKING ON FUEL AND SUPPLIES:		00:00	00:00	0.0		
NO. OF LOADS	TOTAL CYS	DISPOSAL AREA	TOTAL CYS		TO AND FROM WHARF OR ANCHORAGE:		00:00	00:00	0.0		
4	7,905	Mobile 102-SW	0		LOSS DUE TO NATURAL ELEMENTS:		00:00	00:00	0.0		
					LOSS DUE TO TRAFFIC AND BRIDGES		00:00	00:00	0.0		
					MINOR OPERATING REPAIRS:		00:00	02:22	0.0		
					TRANSFERRING BETWEEN WORKS:		00:00	00:00	0.0		
ATTENDANT PLANT					LAY TIME:		00:00	00:00	0.0		
					FIRE AND BOAT DRILLS:		00:00	00:00	0.0		
					MISCELLANEOUS:		00:00	00:00	0.0		
					TOTALS:		00:00	02:22	0.0		
ITEM		NAME OR NUMBER		H.P.	HOURS	LOST TIME:					
40' Crewboat		Cape Anne		400	12:00	MAJOR REPAIRS AND ALTERATIONS:		00:00	00:00	0.0	
						CESSATION:		00:00	00:00	0.0	
						COLLISIONS:		00:00	00:00	0.0	
						TOTALS:		00:00	00:00	0.0	
						TOTAL TIME/MILES:		00:00	24:00	0.0	

QUALITY CONTROL REPORT-HOPPER DREDGE					PAGE NO. Page 474 of 494	
CONTRACT NO. W91278-16-D-0041 0001		CONTRACT TITLE IDIQ Rental Hopper Dredge in Mobile		CONTRACTOR Dutra Dredging Company		REPORT NO. 234
DREDGE		NAME AND TYPE M/V Columbia			DATE 22 Sep 2016 - Thursday	
LOADS						
LOAD NUMBER	DREDGING AREA DISPOSAL AREA	START TIME STOP TIME (HH:MM)	PUMPING TURNING (MIN)	TO DUMP DUMPING TO CUT (MIN)	TOTAL TIME DREDGED AMOUNT AGITATED AMOUNT (MIN/CYS)	
1	Sta 740+00 to 800+00 Mobile 102-SW	00:00 00:30	30 0	169 4 66	269 2,635 0	
2	Sta 740+00 to 800+00 Mobile 102-SW	04:29 05:05	30 6	158 23 161	378 2,635 0	
3	Sta 740+00 to 800+00 Mobile 102-SW	11:33 12:08	29 6	163 4 164	366 2,635 0	
4	Sta 740+00 to 800+00 Mobile 102-SW	17:39 18:08	29 0	99 0 157	285 0 0	
QC NARRATIVE(S) GENERAL COMMENTS 1298 Minutes @ 100% 142 Minutes @ 0% Minor Repairs						

QUALITY CONTROL REPORT-HOPPER DREDGE										PAGE NO. Page 475 of 494	
CONTRACT NO. W91278-16-D-0041 0001		CONTRACT TITLE IDIQ Rental Hopper Dredge in Mobile					CONTRACTOR Dutra Dredging Company			REPORT NO. 235	
CHARACTER OF REPORT		<input checked="" type="checkbox"/> MAINTENANCE <input type="checkbox"/> NEW WORK							DATE 23 Sep 2016 - Friday		
DREDGE (M/V Columbia)		HOPPER CAP: 4,387 CY		AVG VOL OF BIN WATER: 4,387 CY			AVG UNFILLED CAP: 4,387 CY				
		NO. OF CREW MEMBERS	DREDGE 13	OTHER PLANT 5	WORK SCHEDULE	SHIFTS PER DAY 2	DAYS PER WEEK 7				
LOCATION OF WORK		LOCATION CHANNEL Mobile Harbor	REACH DREDGED; STA TO STA Sta 1240+00 to 1300+00			DISPOSAL AREA USE Mobile 102 -SW		QTY DEPOSITED GROSS(CY) 15,810	CUMULATIVE AND QTY DEPOSIT FOR DA(CY) 2,255,560		
		AVG LENGTH OF CUT 6,000 FT			AVG WIDTH OF CUT 400 FT		AVG DIST TO DUMP 22 NM				
CHARACTER OF MATERIAL		DENSITY OF MATERIALS						GMS/LITER 1.045			
		DENSITY OF WATER			1.006			GMS/LITER@ 85 °F			
RIVER/TIDE STAGE		MIN 2	TIME 00:00	MAX 0	TIME 00:00	GAGE LOCATION Dog River					
		MIN 1	TIME 00:00	MAX 0	TIME 00:00	GAGE DATUM MLLW					
WEATHER CONDITION		WEATHER Weather Caused No Delay			TEMP (min / max) 75 °F / 96 °F		VISIBILITY 10		WIND 10		
DRAFT					DISTRIBUTION OF TIME AND MILES RUN						
FORWARD		LIGHT		LOADED				AGITATING (MIN)	DREDGE & HAUL (MIN)	MILES RUN (NAUT MI)	
		8		15		EFFECTIVE WORKING TIME:					
AFT						PUMPING:					
		10		16		00:00		02:39	0.0		
DRAG DEPTH MAX 49 MIN 44					TURNING:		00:00		00:06	0.0	
INDICATORS LAST CHECKED ON 07/19/2016					TO DUMP:		00:00		10:54	0.0	
AVERAGE SPEED OF DREDGE DURING LOADING				FT/MIN	CONNECTING:		00:00		00:00	0.0	
				2	DUMPING:		00:00		00:49	0.0	
AVERAGE SPEED OF DREDGE DURING AGITATING				FT/MIN	DISCONNECTING:		00:00		00:00	0.0	
				0	TO CUT:		00:00		09:32	0.0	
GALLONS OF FUEL OIL CONSUMED				GAL	TOTALS:		00:00		24:00	0.0	
				2,670	NON-EFFECTIVE WORKING TIME:						
GALLONS OF WATER CONSUMED				GAL	TAKING ON FUEL AND SUPPLIES:		00:00		00:00	0.0	
				896	TO AND FROM WHARF OR ANCHORAGE:		00:00		00:00	0.0	
WORK PERFORMED					LOSS DUE TO NATURAL ELEMENTS:		00:00		00:00	0.0	
DREDGING AND HAULING				AGITATING		LOSS DUE TO TRAFFIC AND BRIDGES		00:00		00:00	0.0
NO. OF LOADS	TOTAL CYS	DISPOSAL AREA		TOTAL CYS		MINOR OPERATING REPAIRS:		00:00		00:00	0.0
7	15,810	Mobile 102-SW		0		TRANSFERRING BETWEEN WORKS:		00:00		00:00	0.0
						LAY TIME:		00:00		00:00	0.0
						FIRE AND BOAT DRILLS:		00:00		00:00	0.0
ATTENDANT PLANT					MISCELLANEOUS:		00:00		00:00	0.0	
ITEM	NAME OR NUMBER			H.P.	HOURS	TOTALS:		00:00		00:00	0.0
40' Crewboat	Cape Anne			400	12:00	LOST TIME:					
						MAJOR REPAIRS AND ALTERATIONS:		00:00		00:00	0.0
						CESSATION:		00:00		00:00	0.0
						COLLISIONS:		00:00		00:00	0.0
						TOTALS:		00:00		00:00	0.0
						TOTAL TIME/MILES:		00:00		24:00	0.0

QUALITY CONTROL REPORT-HOPPER DREDGE					PAGE NO. <div>Page 476 of 494</div>	
CONTRACT NO. W91278-16-D-0041 0001		CONTRACT TITLE IDIQ Rental Hopper Dredge in Mobile		CONTRACTOR Dutra Dredging Company		REPORT NO. 235
DREDGE		NAME AND TYPE M/V Columbia			DATE 23 Sep 2016 - Friday	
LOADS						
LOAD NUMBER	DREDGING AREA DISPOSAL AREA	START TIME STOP TIME (HH:MM)	PUMPING TURNING (MIN)	TO DUMP DUMPING TO CUT (MIN)	TOTAL TIME DREDGED AMOUNT AGITATED AMOUNT (MIN/CYS)	
1	Sta 1240+00 to 1300+00 Mobile 102-SW	00:00 00:01	1 0	69 4 0	74 2,635 0	
2	Sta 1240+00 to 1300+00 Mobile 102-SW	01:14 01:45	31 0	121 4 104	260 2,635 0	
3	Sta 1240+00 to 1300+00 Mobile 102-SW	05:34 06:10	30 6	106 29 112	283 2,635 0	
4	Sta 1240+00 to 1300+00 Mobile 102-SW	10:17 10:52	35 0	118 4 120	277 2,635 0	
5	Sta 1240+00 to 1300+00 Mobile 102-SW	14:54 15:26	32 0	125 4 109	270 2,635 0	
6	Sta 1240+00 to 1300+00 Mobile 102-SW	19:24 19:53	29 0	115 4 110	258 2,635 0	
7	Sta 1240+00 to 1300+00 Mobile 102-SW	23:42 23:43	1 0	0 0 17	18 0 0	

QC NARRATIVE(S)

GENERAL COMMENTS
1440 Minutes @ 100%

QUALITY CONTROL REPORT-HOPPER DREDGE										PAGE NO. <div>Page 477 of 494</div>	
CONTRACT NO. W91278-16-D-0041 0001		CONTRACT TITLE IDIQ Rental Hopper Dredge in Mobile				CONTRACTOR Dutra Dredging Company				REPORT NO. 236	
CHARACTER OF REPORT		<input checked="" type="checkbox"/> MAINTENANCE <input type="checkbox"/> NEW WORK								DATE 24 Sep 2016 - Saturday	
DREDGE (M/V Columbia)		HOPPER CAP: 4,387 CY			AVG VOL OF BIN WATER: 4,387 CY			AVG UNFILLED CAP: 4,387 CY			
		NO. OF CREW MEMBERS	DREDGE	OTHER PLANT	WORK SCHEDULE	SHIFTS PER DAY	DAYS PER WEEK				
LOCATION OF WORK		LOCATION CHANNEL	REACH DREDGED; STA TO STA			DISPOSAL AREA USE		QTY DEPOSITED GROSS(CY)	CUMULATIVE AND QTY DEPOSIT FOR DA(CY)		
		Mobile Harbor	Sta 1240+00 to 1300+00			Mobile 102 -SW		13,175	2,268,735		
		AVG LENGTH OF CUT 6,000 FT			AVG WIDTH OF CUT 400 FT			AVG DIST TO DUMP 22 NM			
CHARACTER OF MATERIAL		DENSITY OF MATERIALS						GMS/LITER 1.045			
		DENSITY OF WATER			1.006			GMS/LITER@ 85 °F			
RIVER/TIDE STAGE		MIN 1	TIME 00:00	MAX 0	TIME 00:00	GAGE LOCATION Dog River					
		MIN 1	TIME 00:00	MAX 0	TIME 00:00	GAGE DATUM MLLW					
WEATHER CONDITION		WEATHER			TEMP (min / max)		VISIBILITY		WIND		
		Weather Caused No Delay			75 °F / 95 °F		10		17		
DRAFT					DISTRIBUTION OF TIME AND MILES RUN						
FORWARD		LIGHT		LOADED				AGITATING (MIN)	DREDGE & HAUL (MIN)	MILES RUN (NAUT MI)	
		8		15							
AFT								EFFECTIVE WORKING TIME:			
		10		16							
DRAG DEPTH MAX 49 MIN 44							PUMPING:		00:00	02:35	0.0
INDICATORS LAST CHECKED ON 07/19/2016							TURNING:		00:00	00:00	0.0
AVERAGE SPEED OF DREDGE DURING LOADING					FT/MIN	TO DUMP:		00:00	09:42	0.0	
					2	CONNECTING:		00:00	00:00	0.0	
AVERAGE SPEED OF DREDGE DURING AGITATING					FT/MIN	DUMPING:		00:00	00:52	0.0	
					0	DISCONNECTING:		00:00	00:00	0.0	
GALLONS OF FUEL OIL CONSUMED					GAL	TO CUT:		00:00	10:51	0.0	
					2,172	TOTALS:		00:00	24:00	0.0	
GALLONS OF WATER CONSUMED					GAL	NON-EFFECTIVE WORKING TIME:					
					224	TAKING ON FUEL AND SUPPLIES:		00:00	00:00	0.0	
WORK PERFORMED							TO AND FROM WHARF OR ANCHORAGE:		00:00	00:00	0.0
DREDGING AND HAULING			AGITATING				LOSS DUE TO NATURAL ELEMENTS:		00:00	00:00	0.0
NO. OF LOADS	TOTAL CYS	DISPOSAL AREA		TOTAL CYS		LOSS DUE TO TRAFFIC AND BRIDGES		00:00	00:00	0.0	
6	13,175	Mobile 102-SW		0		MINOR OPERATING REPAIRS:		00:00	00:00	0.0	
						TRANSFERRING BETWEEN WORKS:		00:00	00:00	0.0	
						LAY TIME:		00:00	00:00	0.0	
						FIRE AND BOAT DRILLS:		00:00	00:00	0.0	
ATTENDANT PLANT							MISCELLANEOUS:		00:00	00:00	0.0
ITEM	NAME OR NUMBER			H.P.	HOURS	TOTALS:		00:00	00:00	0.0	
40' Crewboat	Cape Anne			400	12:00	LOST TIME:					
						MAJOR REPAIRS AND ALTERATIONS:		00:00	00:00	0.0	
						CESSATION:		00:00	00:00	0.0	
						COLLISIONS:		00:00	00:00	0.0	
						TOTALS:		00:00	00:00	0.0	
						TOTAL TIME/MILES:		00:00	24:00	0.0	

QUALITY CONTROL REPORT-HOPPER DREDGE					PAGE NO. <div>Page 478 of 494</div>	
CONTRACT NO. W91278-16-D-0041 0001		CONTRACT TITLE IDIQ Rental Hopper Dredge in Mobile		CONTRACTOR Dutra Dredging Company		REPORT NO. 236
DREDGE		NAME AND TYPE M/V Columbia			DATE 24 Sep 2016 - Saturday	
LOADS						
LOAD NUMBER	DREDGING AREA DISPOSAL AREA	START TIME STOP TIME (HH:MM)	PUMPING TURNING (MIN)	TO DUMP DUMPING TO CUT (MIN)	TOTAL TIME DREDGED AMOUNT AGITATED AMOUNT (MIN/CYS)	
1	Sta 1240+00 to 1300+00 Mobile 102-SW	00:00 00:31	31 0	112 4 94	241 2,635 0	
2	Sta 1240+00 to 1300+00 Mobile 102-SW	04:01 04:29	28 0	123 36 104	291 2,635 0	
3	Sta 1240+00 to 1300+00 Mobile 102-SW	08:52 09:22	30 0	114 4 114	262 2,635 0	
4	Sta 1240+00 to 1300+00 Mobile 102-SW	13:14 13:48	34 0	117 4 114	269 2,635 0	
5	Sta 1240+00 to 1300+00 Mobile 102-SW	17:43 18:11	28 0	116 4 114	262 2,635 0	
6	Sta 1240+00 to 1300+00 Mobile 102-SW	22:05 22:09	4 0	0 0 111	115 0 0	
<div>QC NARRATIVE(S)</div> <div>GENERAL COMMENTS</div> <div>1440 Minutes @ 100%</div>						

QUALITY CONTROL REPORT-HOPPER DREDGE										PAGE NO. Page 479 of 494			
CONTRACT NO. W91278-16-D-0041 0001		CONTRACT TITLE IDIQ Rental Hopper Dredge in Mobile					CONTRACTOR Dutra Dredging Company			REPORT NO. 237			
CHARACTER OF REPORT		<input checked="" type="checkbox"/> MAINTENANCE <input type="checkbox"/> NEW WORK							DATE 25 Sep 2016 - Sunday				
DREDGE (M/V Columbia)		HOPPER CAP: 4,387 CY		AVG VOL OF BIN WATER: 4,387 CY		AVG UNFILLED CAP: 4,387 CY							
		NO. OF CREW MEMBERS	DREDGE 13	OTHER PLANT 5	WORK SCHEDULE	SHIFTS PER DAY 2	DAYS PER WEEK 7						
LOCATION OF WORK		LOCATION CHANNEL Mobile Harbor	REACH DREDGED; STA TO STA Sta 1240+00 to 1300+00		DISPOSAL AREA USE Mobile 102 -SW		QTY DEPOSITED GROSS(CY) 10,540	CUMULATIVE AND QTY DEPOSIT FOR DA(CY) 2,279,275					
		AVG LENGTH OF CUT 6,000 FT		AVG WIDTH OF CUT 400 FT		AVG DIST TO DUMP 22 NM							
CHARACTER OF MATERIAL		DENSITY OF MATERIALS					GMS/LITER 1.045						
		DENSITY OF WATER			1.006		GMS/LITER@ 85 °F						
RIVER/TIDE STAGE		MIN 1	TIME 00:00	MAX 0	TIME 00:00	GAGE LOCATION Dog River							
		MIN 1	TIME 00:00	MAX 0	TIME 00:00	GAGE DATUM MLLW							
WEATHER CONDITION		WEATHER		TEMP (min / max)		VISIBILITY		WIND					
		Weather Caused No Delay		76 °F / 94 °F		10		30					
DRAFT					DISTRIBUTION OF TIME AND MILES RUN								
FORWARD		LIGHT		LOADED				AGITATING (MIN)	DREDGE & HAUL (MIN)	MILES RUN (NAUT MI)			
		8		15				EFFECTIVE WORKING TIME:					
AFT		10		16									
DRAG DEPTH MAX 49 MIN 44					PUMPING:		00:00	02:17	0.0				
INDICATORS LAST CHECKED ON 07/19/2016					TURNING:		00:00	00:00	0.0				
					TO DUMP:		00:00	07:46	0.0				
AVERAGE SPEED OF DREDGE DURING LOADING					CONNECTING:		00:00	00:00	0.0				
					DUMPING:		00:00	00:44	0.0				
AVERAGE SPEED OF DREDGE DURING AGITATING					DISCONNECTING:		00:00	00:00	0.0				
					TO CUT:		00:00	07:19	0.0				
GALLONS OF FUEL OIL CONSUMED					TOTALS:		00:00	18:06	0.0				
GALLONS OF WATER CONSUMED					NON-EFFECTIVE WORKING TIME:								
WORK PERFORMED					TAKING ON FUEL AND SUPPLIES:		00:00	00:00	0.0				
					TO AND FROM WHARF OR ANCHORAGE:		00:00	00:00	0.0				
DREDGING AND HAULING					LOSS DUE TO NATURAL ELEMENTS:		00:00	00:00	0.0				
					LOSS DUE TO TRAFFIC AND BRIDGES		00:00	00:00	0.0				
NO. OF LOADS		TOTAL CYS		DISPOSAL AREA		TOTAL CYS		MINOR OPERATING REPAIRS:		00:00	05:54	0.0	
								TRANSFERRING BETWEEN WORKS:		00:00	00:00	0.0	
5		10,540		Mobile 102-SW		0		LAY TIME:		00:00	00:00	0.0	
								FIRE AND BOAT DRILLS:		00:00	00:00	0.0	
ATTENDANT PLANT					MISCELLANEOUS:		00:00	00:00	0.0				
					TOTALS:		00:00	05:54	0.0				
ITEM					NAME OR NUMBER		H.P.	HOURS	LOST TIME:				
					40' Crewboat		Cape Anne	400	12:00				
									MAJOR REPAIRS AND ALTERATIONS:		00:00	00:00	0.0
									CESSATION:		00:00	00:00	0.0
									COLLISIONS:		00:00	00:00	0.0
									TOTALS:		00:00	00:00	0.0
									TOTAL TIME/MILES:		00:00	24:00	0.0

QUALITY CONTROL REPORT-HOPPER DREDGE					PAGE NO. <div>Page 480 of 494</div>	
CONTRACT NO. W91278-16-D-0041 0001		CONTRACT TITLE IDIQ Rental Hopper Dredge in Mobile		CONTRACTOR Dutra Dredging Company		REPORT NO. 237
DREDGE		NAME AND TYPE M/V Columbia			DATE 25 Sep 2016 - Sunday	
LOADS						
LOAD NUMBER	DREDGING AREA DISPOSAL AREA	START TIME STOP TIME (HH:MM)	PUMPING TURNING (MIN)	TO DUMP DUMPING TO CUT (MIN)	TOTAL TIME DREDGED AMOUNT AGITATED AMOUNT (MIN/CYS)	
1	Sta 1240+00 to 1300+00 Mobile 102-SW	00:00 00:25	25 0	114 4 0	143 2,635 0	
2	Sta 1240+00 to 1300+00 Mobile 102-SW	03:17 03:45	28 0	116 32 104	280 2,635 0	
3	Sta 1240+00 to 1300+00 Mobile 102-SW	07:57 08:25	28 0	123 4 107	262 2,635 0	
4	Sta 1240+00 to 1300+00 Mobile 102-SW	12:19 12:48	29 0	113 4 119	265 2,635 0	
5	Sta 1240+00 to 1300+00 Mobile 102-SW	16:44 17:11	27 0	0 0 109	136 0 0	
QC NARRATIVE(S) GENERAL COMMENTS 1086 Minutes @ 100% 354 Minutes @ 0% Minor Repairs, Dump Valve						

QUALITY CONTROL REPORT-HOPPER DREDGE											PAGE NO. <div>Page 481 of 494</div>						
CONTRACT NO. W91278-16-D-0041 0001		CONTRACT TITLE IDIQ Rental Hopper Dredge in Mobile					CONTRACTOR Dutra Dredging Company				REPORT NO. 238						
CHARACTER OF REPORT		<input checked="" type="checkbox"/> MAINTENANCE <input type="checkbox"/> NEW WORK								DATE 26 Sep 2016 - Monday							
DREDGE (M/V Columbia)		HOPPER CAP: 4,387 CY			AVG VOL OF BIN WATER: 4,387 CY			AVG UNFILLED CAP: 4,387 CY									
		NO. OF CREW MEMBERS	DREDGE 13		OTHER PLANT 5	WORK SCHEDULE	SHIFTS PER DAY 2		DAYS PER WEEK 7								
LOCATION OF WORK		LOCATION CHANNEL Mobile Harbor		REACH DREDGED; STA TO STA Sta 1240+00 to 1300+00		DISPOSAL AREA USE Mobile 102 -SW		QTY DEPOSITED GROSS(CY) 0		CUMULATIVE AND QTY DEPOSIT FOR DA(CY) 2,279,275							
		AVG LENGTH OF CUT 6,000 FT			AVG WIDTH OF CUT 400 FT			AVG DIST TO DUMP 22 NM									
CHARACTER OF MATERIAL		DENSITY OF MATERIALS							GMS/LITER 1.045								
		DENSITY OF WATER				1.006			GMS/LITER@ 85 °F								
RIVER/TIDE STAGE		MIN 0		TIME 00:00		MAX 0		TIME 00:00		GAGE LOCATION Dog River							
		MIN 0		TIME 00:00		MAX 0		TIME 00:00		GAGE DATUM MLLW							
WEATHER CONDITION		WEATHER Weather Caused No Delay				TEMP (min / max) 73 °F / 92 °F		VISIBILITY 10		WIND 27							
DRAFT						DISTRIBUTION OF TIME AND MILES RUN											
FORWARD		LIGHT		LOADED				AGITATING (MIN)		DREDGE & HAUL (MIN)		MILES RUN (NAUT MI)					
		8		15				EFFECTIVE WORKING TIME:									
AFT		10		16		PUMPING:		00:00		00:00		0.0					
						TURNING:		00:00		00:00		0.0					
DRAG DEPTH MAX 49 MIN 44						TO DUMP:		00:00		00:00		0.0					
						CONNECTING:		00:00		00:00		0.0					
INDICATORS LAST CHECKED ON 07/19/2016						DUMPING:		00:00		00:00		0.0					
						DISCONNECTING:		00:00		00:00		0.0					
AVERAGE SPEED OF DREDGE DURING LOADING						FT/MIN		2		TO CUT:		00:00		0.0			
AVERAGE SPEED OF DREDGE DURING AGITATING						FT/MIN		0		TOTALS:		00:00		0.0			
GALLONS OF FUEL OIL CONSUMED						GAL		600		NON-EFFECTIVE WORKING TIME:							
GALLONS OF WATER CONSUMED						GAL		560		TAKING ON FUEL AND SUPPLIES:		00:00		00:00		0.0	
WORK PERFORMED						TO AND FROM WHARF OR ANCHORAGE:		00:00		00:00		0.0					
DREDGING AND HAULING				AGITATING		LOSS DUE TO NATURAL ELEMENTS:		00:00		00:00		0.0					
NO. OF LOADS	TOTAL CYS	DISPOSAL AREA		TOTAL CYS		LOSS DUE TO TRAFFIC AND BRIDGES		00:00		00:00		0.0					
						MINOR OPERATING REPAIRS:		00:00		00:00		0.0					
						TRANSFERRING BETWEEN WORKS:		00:00		00:00		0.0					
						LAY TIME:		00:00		00:00		0.0					
						FIRE AND BOAT DRILLS:		00:00		00:00		0.0					
ATTENDANT PLANT						MISCELLANEOUS:		00:00		00:00		0.0					
ITEM		NAME OR NUMBER			H.P.	HOURS	TOTALS:		00:00		00:00		0.0				
40' Crewboat		Cape Anne			400	12:00	LOST TIME:										
							MAJOR REPAIRS AND ALTERATIONS:		00:00		24:00		0.0				
							CESSATION:		00:00		00:00		0.0				
							COLLISIONS:		00:00		00:00		0.0				
							TOTALS:		00:00		24:00		0.0				
							TOTAL TIME/MILES:		00:00		24:00		0.0				

QUALITY CONTROL REPORT-HOPPER DREDGE			PAGE NO.
			Page 482 of 494
CONTRACT NO. W91278-16-D-0041 0001	CONTRACT TITLE IDIQ Rental Hopper Dredge in Mobile	CONTRACTOR Dutra Dredging Company	REPORT NO. 238
DREDGE	NAME AND TYPE M/V Columbia	DATE 26 Sep 2016 - Monday	

QC NARRATIVE(S)

GENERAL COMMENTS

1440 Minutes @ 0% Major Repairs, Shipyard Dry Docking

QUALITY CONTROL REPORT-HOPPER DREDGE										PAGE NO. Page 483 of 494			
CONTRACT NO. W91278-16-D-0041 0001		CONTRACT TITLE IDIQ Rental Hopper Dredge in Mobile					CONTRACTOR Dutra Dredging Company			REPORT NO. 239			
CHARACTER OF REPORT		<input checked="" type="checkbox"/> MAINTENANCE <input type="checkbox"/> NEW WORK							DATE 27 Sep 2016 - Tuesday				
DREDGE (M/V Columbia)		HOPPER CAP: 4,387 CY		AVG VOL OF BIN WATER: 4,387 CY			AVG UNFILLED CAP: 4,387 CY						
		NO. OF CREW MEMBERS	DREDGE 13	OTHER PLANT 5	WORK SCHEDULE	SHIFTS PER DAY 2		DAYS PER WEEK 7					
LOCATION OF WORK		LOCATION CHANNEL Mobile Harbor		REACH DREDGED; STA TO STA Sta 1240+00 to 1300+00		DISPOSAL AREA USE Mobile 102 -SW		QTY DEPOSITED GROSS(CY) 0		CUMULATIVE AND QTY DEPOSIT FOR DA(CY) 2,279,275			
		AVG LENGTH OF CUT 6,000 FT			AVG WIDTH OF CUT 400 FT			AVG DIST TO DUMP 22 NM					
CHARACTER OF MATERIAL		DENSITY OF MATERIALS						GMS/LITER 1.045					
		DENSITY OF WATER			1.006			GMS/LITER@ 85 °F					
RIVER/TIDE STAGE		MIN 0	TIME 00:00	MAX 0	TIME 00:00	GAGE LOCATION Dog River							
		MIN 0	TIME 00:00	MAX 0	TIME 00:00	GAGE DATUM MLLW							
WEATHER CONDITION		WEATHER Weather Caused No Delay			TEMP (min / max) 73 °F / 87 °F		VISIBILITY 10		WIND 20				
DRAFT					DISTRIBUTION OF TIME AND MILES RUN								
FORWARD		LIGHT		LOADED				AGITATING (MIN)		DREDGE & HAUL (MIN)		MILES RUN (NAUT MI)	
		8		15		EFFECTIVE WORKING TIME:							
AFT		10		16		PUMPING:		00:00		00:00		0.0	
						TURNING:		00:00		00:00		0.0	
DRAG DEPTH MAX 49 MIN 44					TO DUMP:		00:00		00:00		0.0		
					CONNECTING:		00:00		00:00		0.0		
INDICATORS LAST CHECKED ON 07/19/2016					DUMPING:		00:00		00:00		0.0		
					DISCONNECTING:		00:00		00:00		0.0		
AVERAGE SPEED OF DREDGE DURING LOADING						TO CUT:		00:00		00:00		0.0	
AVERAGE SPEED OF DREDGE DURING AGITATING						TOTALS:		00:00		00:00		0.0	
GALLONS OF FUEL OIL CONSUMED						NON-EFFECTIVE WORKING TIME:							
GALLONS OF WATER CONSUMED				560		TAKING ON FUEL AND SUPPLIES:		00:00		00:00		0.0	
WORK PERFORMED					TO AND FROM WHARF OR ANCHORAGE:		00:00		00:00		0.0		
DREDGING AND HAULING				AGITATING		LOSS DUE TO NATURAL ELEMENTS:		00:00		00:00		0.0	
NO. OF LOADS	TOTAL CYS	DISPOSAL AREA		TOTAL CYS		LOSS DUE TO TRAFFIC AND BRIDGES		00:00		00:00		0.0	
						MINOR OPERATING REPAIRS:		00:00		00:00		0.0	
						TRANSFERRING BETWEEN WORKS:		00:00		00:00		0.0	
						LAY TIME:		00:00		00:00		0.0	
						FIRE AND BOAT DRILLS:		00:00		00:00		0.0	
ATTENDANT PLANT					MISCELLANEOUS:		00:00		00:00		0.0		
ITEM	NAME OR NUMBER			H.P.	HOURS	TOTALS:		00:00		00:00		0.0	
40' Crewboat	Cape Anne			400	12:00	LOST TIME:							
						MAJOR REPAIRS AND ALTERATIONS:		00:00		24:00		0.0	
						CESSATION:		00:00		00:00		0.0	
						COLLISIONS:		00:00		00:00		0.0	
						TOTALS:		00:00		24:00		0.0	
						TOTAL TIME/MILES:		00:00		24:00		0.0	

QUALITY CONTROL REPORT-HOPPER DREDGE			PAGE NO.
			Page 484 of 494
CONTRACT NO. W91278-16-D-0041 0001	CONTRACT TITLE IDIQ Rental Hopper Dredge in Mobile	CONTRACTOR Dutra Dredging Company	REPORT NO. 239
DREDGE	NAME AND TYPE M/V Columbia	DATE 27 Sep 2016 - Tuesday	

QC NARRATIVE(S)

GENERAL COMMENTS

1440 Minutes @ 0% Major Repairs, Shipyard Dry Docking

QUALITY CONTROL REPORT-HOPPER DREDGE										PAGE NO. Page 485 of 494	
CONTRACT NO. W91278-16-D-0041 0001		CONTRACT TITLE IDIQ Rental Hopper Dredge in Mobile					CONTRACTOR Dutra Dredging Company			REPORT NO. 240	
CHARACTER OF REPORT		<input checked="" type="checkbox"/> MAINTENANCE <input type="checkbox"/> NEW WORK							DATE 28 Sep 2016 - Wednesday		
DREDGE (M/V Columbia)		HOPPER CAP: 4,387 CY		AVG VOL OF BIN WATER: 4,387 CY			AVG UNFILLED CAP: 4,387 CY				
		NO. OF CREW MEMBERS	DREDGE 13	OTHER PLANT 5	WORK SCHEDULE	SHIFTS PER DAY 2	DAYS PER WEEK 7				
LOCATION OF WORK		LOCATION CHANNEL Mobile Harbor	REACH DREDGED; STA TO STA Sta 1240+00 to 1300+00		DISPOSAL AREA USE Mobile 102 -SW		QTY DEPOSITED GROSS(CY) 0	CUMULATIVE AND QTY DEPOSIT FOR DA(CY) 2,279,275			
		AVG LENGTH OF CUT 6,000 FT		AVG WIDTH OF CUT 400 FT		AVG DIST TO DUMP 22 NM					
CHARACTER OF MATERIAL		DENSITY OF MATERIALS						GMS/LITER 1.045			
		DENSITY OF WATER			1.006			GMS/LITER@ 85 °F			
RIVER/TIDE STAGE		MIN 0	TIME 00:00	MAX 0	TIME 00:00	GAGE LOCATION Dog River					
		MIN 0	TIME 00:00	MAX 0	TIME 00:00	GAGE DATUM MLLW					
WEATHER CONDITION		WEATHER Weather Caused No Delay		TEMP (min / max) 72 °F / 90 °F		VISIBILITY 10		WIND 15			
DRAFT					DISTRIBUTION OF TIME AND MILES RUN						
FORWARD	LIGHT		LOADED			AGITATING (MIN)	DREDGE & HAUL (MIN)	MILES RUN (NAUT MI)			
	8		15		EFFECTIVE WORKING TIME:						
AFT	10		16		PUMPING:	00:00	00:00	0.0			
					TURNING:	00:00	00:00	0.0			
DRAG DEPTH MAX 49 MIN 44				TO DUMP:		00:00	00:00	0.0			
				CONNECTING:		00:00	00:00	0.0			
INDICATORS LAST CHECKED ON 07/19/2016				DUMPING:		00:00	00:00	0.0			
				DISCONNECTING:		00:00	00:00	0.0			
AVERAGE SPEED OF DREDGE DURING LOADING			FT/MIN		2	TO CUT:	00:00	00:00	0.0		
AVERAGE SPEED OF DREDGE DURING AGITATING			FT/MIN		0	TOTALS:	00:00	00:00	0.0		
GALLONS OF FUEL OIL CONSUMED			GAL		600	NON-EFFECTIVE WORKING TIME:					
GALLONS OF WATER CONSUMED			GAL		560	TAKING ON FUEL AND SUPPLIES:	00:00	00:00	0.0		
WORK PERFORMED					TO AND FROM WHARF OR ANCHORAGE:		00:00	00:00	0.0		
					LOSS DUE TO NATURAL ELEMENTS:		00:00	00:00	0.0		
DREDGING AND HAULING			AGITATING		LOSS DUE TO TRAFFIC AND BRIDGES		00:00	00:00	0.0		
NO. OF LOADS	TOTAL CYS	DISPOSAL AREA	TOTAL CYS		MINOR OPERATING REPAIRS:		00:00	00:00	0.0		
					TRANSFERRING BETWEEN WORKS:		00:00	00:00	0.0		
					LAY TIME:		00:00	00:00	0.0		
					FIRE AND BOAT DRILLS:		00:00	00:00	0.0		
ATTENDANT PLANT					MISCELLANEOUS:		00:00	00:00	0.0		
					TOTALS:		00:00	00:00	0.0		
ITEM	NAME OR NUMBER		H.P.	HOURS	LOST TIME:						
40' Crewboat	Cape Anne		400	12:00	MAJOR REPAIRS AND ALTERATIONS:		00:00	24:00	0.0		
					CESSATION:		00:00	00:00	0.0		
					COLLISIONS:		00:00	00:00	0.0		
					TOTALS:		00:00	24:00	0.0		
					TOTAL TIME/MILES:		00:00	24:00	0.0		

QUALITY CONTROL REPORT-HOPPER DREDGE			PAGE NO.
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CONTRACT NO.	CONTRACT TITLE	CONTRACTOR	REPORT NO.
W91278-16-D-0041 0001	IDIQ Rental Hopper Dredge in Mobile	Dutra Dredging Company	240
DREDGE	NAME AND TYPE	DATE	
	M/V Columbia	28 Sep 2016 - Wednesday	

QC NARRATIVE(S)

GENERAL COMMENTS

1440 Minutes @ 0% Major Repairs, Shipyard Dry Docking

This will be last QC and dredging report until Dredging operation resume after planned shipyard repairs approx 2 weeks.

QUALITY CONTROL REPORT-HOPPER DREDGE										PAGE NO. Page 487 of 494			
CONTRACT NO. W91278-16-D-0041 0001		CONTRACT TITLE IDIQ Rental Hopper Dredge in Mobile					CONTRACTOR Dutra Dredging Company			REPORT NO. 266			
CHARACTER OF REPORT		<input checked="" type="checkbox"/> MAINTENANCE <input type="checkbox"/> NEW WORK							DATE 24 Oct 2016 - Monday				
DREDGE (M/V Columbia)		HOPPER CAP: 4,387 CY		AVG VOL OF BIN WATER: 4,387 CY			AVG UNFILLED CAP: 4,387 CY						
		NO. OF CREW MEMBERS	DREDGE 13	OTHER PLANT 5	WORK SCHEDULE	SHIFTS PER DAY 2		DAYS PER WEEK 7					
LOCATION OF WORK		LOCATION CHANNEL Mobile Harbor		REACH DREDGED; STA TO STA Sta 1240+00 to 1300+00		DISPOSAL AREA USE Mobile 102 -SW		QTY DEPOSITED GROSS(CY) 5,270		CUMULATIVE AND QTY DEPOSIT FOR DA(CY) 2,284,545			
		AVG LENGTH OF CUT 6,000 FT			AVG WIDTH OF CUT 400 FT			AVG DIST TO DUMP 22 NM					
CHARACTER OF MATERIAL		DENSITY OF MATERIALS						GMS/LITER 1.045					
		DENSITY OF WATER			1.006			GMS/LITER@ 72 °F					
RIVER/TIDE STAGE		MIN 1	TIME 00:00	MAX 0	TIME 00:00	GAGE LOCATION Dog River							
		MIN 1	TIME 00:00	MAX 0	TIME 00:00	GAGE DATUM MLLW							
WEATHER CONDITION		WEATHER			TEMP (min / max)		VISIBILITY		WIND				
		Weather Caused No Delay			56 °F / 78 °F		10		12				
DRAFT					DISTRIBUTION OF TIME AND MILES RUN								
FORWARD		LIGHT		LOADED				AGITATING (MIN)		DREDGE & HAUL (MIN)		MILES RUN (NAUT MI)	
		8		15		EFFECTIVE WORKING TIME:							
AFT		10		16		PUMPING:		00:00		00:55		0.0	
						TURNING:		00:00		00:00		0.0	
DRAG DEPTH MAX 49 MIN 44					TO DUMP:		00:00		03:53		0.0		
					CONNECTING:		00:00		00:00		0.0		
INDICATORS LAST CHECKED ON 07/19/2016					DUMPING:		00:00		00:08		0.0		
					DISCONNECTING:		00:00		00:00		0.0		
AVERAGE SPEED OF DREDGE DURING LOADING						TO CUT:		00:00		02:46		0.0	
AVERAGE SPEED OF DREDGE DURING AGITATING						TOTALS:		00:00		07:42		0.0	
GALLONS OF FUEL OIL CONSUMED						NON-EFFECTIVE WORKING TIME:							
GALLONS OF WATER CONSUMED				561		TAKING ON FUEL AND SUPPLIES:		00:00		00:00		0.0	
WORK PERFORMED					TO AND FROM WHARF OR ANCHORAGE:		00:00		00:00		0.0		
DREDGING AND HAULING				AGITATING		LOSS DUE TO NATURAL ELEMENTS:		00:00		00:00		0.0	
NO. OF LOADS	TOTAL CYS	DISPOSAL AREA		TOTAL CYS		LOSS DUE TO TRAFFIC AND BRIDGES		00:00		00:00		0.0	
3	5,270	Mobile 102-SW		0		MINOR OPERATING REPAIRS:		00:00		00:00		0.0	
						TRANSFERRING BETWEEN WORKS:		00:00		00:00		0.0	
						LAY TIME:		00:00		00:00		0.0	
						FIRE AND BOAT DRILLS:		00:00		00:00		0.0	
ATTENDANT PLANT					MISCELLANEOUS:		00:00		16:18		0.0		
ITEM		NAME OR NUMBER		H.P.	HOURS	TOTALS:		00:00		16:18		0.0	
40' Crewboat		Cape Anne		400	12:00	LOST TIME:							
						MAJOR REPAIRS AND ALTERATIONS:		00:00		00:00		0.0	
						CESSATION:		00:00		00:00		0.0	
						COLLISIONS:		00:00		00:00		0.0	
						TOTALS:		00:00		00:00		0.0	
						TOTAL TIME/MILES:		00:00		24:00		0.0	

QUALITY CONTROL REPORT-HOPPER DREDGE			PAGE NO. Page 488 of 494
CONTRACT NO. W91278-16-D-0041 0001	CONTRACT TITLE IDIQ Rental Hopper Dredge in Mobile	CONTRACTOR Dutra Dredging Company	REPORT NO. 266
DREDGE	NAME AND TYPE M/V Columbia	DATE 24 Oct 2016 - Monday	

LOADS					
LOAD NUMBER	DREDGING AREA DISPOSAL AREA	START TIME STOP TIME (HH:MM)	PUMPING TURNING (MIN)	TO DUMP DUMPING TO CUT (MIN)	TOTAL TIME DREDGED AMOUNT AGITATED AMOUNT (MIN/CYS)
1	Sta 1240+00 to 1300+00 Mobile 102-SW	16:18 16:46	28 0	119 4 0	151 2,635 0
2	Sta 1240+00 to 1300+00 Mobile 102-SW	18:49 19:15	26 0	114 4 119	263 2,635 0
3	Sta 1240+00 to 1300+00 Mobile 102-SW	23:12 23:13	1 0	0 0 47	48 0 0

QC NARRATIVE(S)

GENERAL COMMENTS

462 Minutes @ 100%
978 Minutes @ 0% Major Repairs -- Annual Shipyard

QUALITY CONTROL REPORT-HOPPER DREDGE										PAGE NO. Page 489 of 494								
CONTRACT NO. W91278-16-D-0041 0001		CONTRACT TITLE IDIQ Rental Hopper Dredge in Mobile					CONTRACTOR Dutra Dredging Company			REPORT NO. 267								
CHARACTER OF REPORT		<input checked="" type="checkbox"/> MAINTENANCE <input type="checkbox"/> NEW WORK							DATE 25 Oct 2016 - Tuesday									
DREDGE (M/V Columbia)		HOPPER CAP: 4,387 CY		AVG VOL OF BIN WATER: 4,387 CY		AVG UNFILLED CAP: 4,387 CY												
		NO. OF CREW MEMBERS	DREDGE 13	OTHER PLANT 5	WORK SCHEDULE	SHIFTS PER DAY 2		DAYS PER WEEK 7										
LOCATION OF WORK		LOCATION CHANNEL Mobile Harbor		REACH DREDGED; STA TO STA Sta 1240+00 to 1300+00		DISPOSAL AREA USE Mobile 102 -SW		QTY DEPOSITED GROSS(CY) 13,175		CUMULATIVE AND QTY DEPOSIT FOR DA(CY) 2,297,720								
		AVG LENGTH OF CUT 6,000 FT		AVG WIDTH OF CUT 400 FT		AVG DIST TO DUMP 22 NM												
CHARACTER OF MATERIAL		DENSITY OF MATERIALS						GMS/LITER 1.045										
		DENSITY OF WATER				1.006		GMS/LITER@ 72 °F										
RIVER/TIDE STAGE		MIN 1	TIME 00:00	MAX 0	TIME 00:00	GAGE LOCATION Dog River												
		MIN 1	TIME 00:00	MAX 0	TIME 00:00	GAGE DATUM MLLW												
WEATHER CONDITION		WEATHER			TEMP (min / max)		VISIBILITY		WIND									
		Weather Caused No Delay			61 °F / 83 °F		10		16									
DRAFT					DISTRIBUTION OF TIME AND MILES RUN													
FORWARD		LIGHT		LOADED				AGITATING (MIN)		DREDGE & HAUL (MIN)		MILES RUN (NAUT MI)						
		8		15		EFFECTIVE WORKING TIME:												
AFT		10		16		PUMPING:		00:00		02:17		0.0						
						TURNING:		00:00		00:08		0.0						
DRAG DEPTH MAX 49 MIN 44					TO DUMP:		00:00		09:40		0.0							
					CONNECTING:		00:00		00:00		0.0							
INDICATORS LAST CHECKED ON 07/19/2016					DUMPING:		00:00		00:38		0.0							
					DISCONNECTING:		00:00		00:00		0.0							
AVERAGE SPEED OF DREDGE DURING LOADING							FT/MIN		2		TO CUT:		00:00		11:17		0.0	
AVERAGE SPEED OF DREDGE DURING AGITATING							FT/MIN		0		TOTALS:		00:00		24:00		0.0	
GALLONS OF FUEL OIL CONSUMED							GAL		2,318		NON-EFFECTIVE WORKING TIME:							
GALLONS OF WATER CONSUMED							GAL		1,122		TAKING ON FUEL AND SUPPLIES:		00:00		00:00		0.0	
WORK PERFORMED											TO AND FROM WHARF OR ANCHORAGE:		00:00		00:00		0.0	
													LOSS DUE TO NATURAL ELEMENTS:		00:00		00:00	
DREDGING AND HAULING											LOSS DUE TO TRAFFIC AND BRIDGES		00:00		00:00		0.0	
NO. OF LOADS		TOTAL CYS		DISPOSAL AREA		TOTAL CYS				MINOR OPERATING REPAIRS:		00:00		00:00		0.0		
6		13,175		Mobile 102-SW		0				TRANSFERRING BETWEEN WORKS:		00:00		00:00		0.0		
										LAY TIME:		00:00		00:00		0.0		
										FIRE AND BOAT DRILLS:		00:00		00:00		0.0		
ATTENDANT PLANT											MISCELLANEOUS:		00:00		00:00		0.0	
													TOTALS:		00:00		00:00	
ITEM		NAME OR NUMBER			H.P.		HOURS		LOST TIME:									
40' Crewboat		Cape Anne			400		12:00				MAJOR REPAIRS AND ALTERATIONS:		00:00		00:00		0.0	
											CESSATION:		00:00		00:00		0.0	
											COLLISIONS:		00:00		00:00		0.0	
											TOTALS:		00:00		00:00		0.0	
											TOTAL TIME/MILES:		00:00		24:00		0.0	

QUALITY CONTROL REPORT-HOPPER DREDGE					PAGE NO. Page 490 of 494	
CONTRACT NO. W91278-16-D-0041 0001		CONTRACT TITLE IDIQ Rental Hopper Dredge in Mobile		CONTRACTOR Dutra Dredging Company		REPORT NO. 267
DREDGE		NAME AND TYPE M/V Columbia			DATE 25 Oct 2016 - Tuesday	
LOADS						
LOAD NUMBER	DREDGING AREA DISPOSAL AREA	START TIME STOP TIME (HH:MM)	PUMPING TURNING (MIN)	TO DUMP DUMPING TO CUT (MIN)	TOTAL TIME DREDGED AMOUNT AGITATED AMOUNT (MIN/CYS)	
1	Sta 1240+00 to 1300+00 Mobile 102-SW	00:00 00:26	26 0	123 4 57	210 2,635 0	
2	Sta 1240+00 to 1300+00 Mobile 102-SW	03:30 04:01	31 0	108 4 119	262 2,635 0	
3	Sta 1240+00 to 1300+00 Mobile 102-SW	07:52 08:19	27 0	121 22 138	308 2,635 0	
4	Sta 1240+00 to 1300+00 Mobile 102-SW	13:00 13:38	30 8	115 4 111	268 2,635 0	
5	Sta 1240+00 to 1300+00 Mobile 102-SW	17:28 17:50	22 0	113 4 118	257 2,635 0	
6	Sta 1240+00 to 1300+00 Mobile 102-SW	21:45 21:46	1 0	0 0 134	135 0 0	
QC NARRATIVE(S) GENERAL COMMENTS 1440 Minutes @ 100%						

QUALITY CONTROL REPORT-HOPPER DREDGE								PAGE NO.	
								Page 491 of 494	
CONTRACT NO. W91278-16-D-0041 0001		CONTRACT TITLE IDIQ Rental Hopper Dredge in Mobile				CONTRACTOR Dutra Dredging Company		REPORT NO. 268	
CHARACTER OF REPORT		<input checked="" type="checkbox"/> MAINTENANCE <input type="checkbox"/> NEW WORK				DATE 26 Oct 2016 - Wednesday			
DREDGE (M/V Columbia)		HOPPER CAP: 4,387 CY		AVG VOL OF BIN WATER: 4,387 CY		AVG UNFILLED CAP: 4,387 CY			
		NO. OF CREW MEMBERS	DREDGE 13	OTHER PLANT 5	WORK SCHEDULE	SHIFTS PER DAY 2	DAYS PER WEEK 7		
LOCATION OF WORK		LOCATION CHANNEL Mobile Harbor		REACH DREDGED; STA TO STA Sta 1240+00 to 1300+00		DISPOSAL AREA USE Mobile 102 -SW		QTY DEPOSITED GROSS(CY) 13,175	
								CUMULATIVE AND QTY DEPOSIT FOR DA(CY) 2,310,895	
		AVG LENGTH OF CUT 6,000 FT		AVG WIDTH OF CUT 400 FT		AVG DIST TO DUMP 22 NM			
CHARACTER OF MATERIAL		DENSITY OF MATERIALS				GMS/LITER 1.045			
		DENSITY OF WATER		1.006		GMS/LITER@ 72 °F			
RIVER/TIDE STAGE		MIN 1	TIME 00:00	MAX 0	TIME 00:00	GAGE LOCATION Dog River			
		MIN 1	TIME 00:00	MAX 0	TIME 00:00	GAGE DATUM MLLW			
WEATHER CONDITION		WEATHER Weather Caused No Delay		TEMP (min / max) 61 °F / 80 °F		VISIBILITY 10		WIND 22	
DRAFT				DISTRIBUTION OF TIME AND MILES RUN					
FORWARD		LIGHT	LOADED				AGITATING (MIN)	DREDGE & HAUL (MIN)	MILES RUN (NAUT MI)
		8	15		EFFECTIVE WORKING TIME:				
AFT		10	16		PUMPING: 00:00 02:12 0.0				
					TURNING: 00:00 00:06 0.0				
DRAG DEPTH MAX 49 MIN 44					TO DUMP: 00:00 10:42 0.0				
INDICATORS LAST CHECKED ON 07/19/2016					CONNECTING: 00:00 00:00 0.0				
AVERAGE SPEED OF DREDGE DURING LOADING					FT/MIN 2		DUMPING: 00:00 00:44 0.0		
AVERAGE SPEED OF DREDGE DURING AGITATING					FT/MIN 0		DISCONNECTING: 00:00 00:00 0.0		
GALLONS OF FUEL OIL CONSUMED					GAL 2,243		TO CUT: 00:00 09:22 0.0		
GALLONS OF WATER CONSUMED					GAL 935		TOTALS: 00:00 23:06 0.0		
WORK PERFORMED				NON-EFFECTIVE WORKING TIME:					
DREDGING AND HAULING				AGITATING		TAKING ON FUEL AND SUPPLIES: 00:00 00:00 0.0			
NO. OF LOADS	TOTAL CYS	DISPOSAL AREA	TOTAL CYS		TO AND FROM WHARF OR ANCHORAGE: 00:00 00:00 0.0				
6	13,175	Mobile 102-SW	0		LOSS DUE TO NATURAL ELEMENTS: 00:00 00:00 0.0				
					LOSS DUE TO TRAFFIC AND BRIDGES 00:00 00:10 0.0				
					MINOR OPERATING REPAIRS: 00:00 00:44 0.0				
					TRANSFERRING BETWEEN WORKS: 00:00 00:00 0.0				
					LAY TIME: 00:00 00:00 0.0				
					FIRE AND BOAT DRILLS: 00:00 00:00 0.0				
ATTENDANT PLANT				MISCELLANEOUS: 00:00 00:00 0.0					
ITEM	NAME OR NUMBER		H.P.	HOURS	TOTALS: 00:00 00:54 0.0				
40' Crewboat	Cape Anne		400	12:00	LOST TIME:				
					MAJOR REPAIRS AND ALTERATIONS: 00:00 00:00 0.0				
					CESSATION: 00:00 00:00 0.0				
					COLLISIONS: 00:00 00:00 0.0				
					TOTALS: 00:00 00:00 0.0				
					TOTAL TIME/MILES: 00:00 24:00 0.0				

QUALITY CONTROL REPORT-HOPPER DREDGE					PAGE NO. <div>Page 492 of 494</div>	
CONTRACT NO. W91278-16-D-0041 0001		CONTRACT TITLE IDIQ Rental Hopper Dredge in Mobile		CONTRACTOR Dutra Dredging Company		REPORT NO. 268
DREDGE		NAME AND TYPE M/V Columbia			DATE 26 Oct 2016 - Wednesday	
LOADS						
LOAD NUMBER	DREDGING AREA DISPOSAL AREA	START TIME STOP TIME (HH:MM)	PUMPING TURNING (MIN)	TO DUMP DUMPING TO CUT (MIN)	TOTAL TIME DREDGED AMOUNT AGITATED AMOUNT (MIN/CYS)	
1	Sta 1240+00 to 1300+00 Mobile 102-SW	00:00 00:26	26 0	112 4 1	143 2,635 0	
2	Sta 1240+00 to 1300+00 Mobile 102-SW	03:17 03:40	23 0	122 4 117	266 2,635 0	
3	Sta 1240+00 to 1300+00 Mobile 102-SW	07:43 08:18	29 6	118 4 112	269 2,635 0	
4	Sta 1240+00 to 1300+00 Mobile 102-SW	12:12 12:37	25 0	174 28 128	355 2,635 0	
5	Sta 1240+00 to 1300+00 Mobile 102-SW	18:07 18:35	28 0	116 4 150	298 2,635 0	
6	Sta 1240+00 to 1300+00 Mobile 102-SW	23:05 23:06	1 0	0 0 54	55 0 0	
<div>QC NARRATIVE(S)</div> <div>GENERAL COMMENTS</div> <div>1386 Minutes @ 100%</div> <div>10 Minutes @ 70% Traffic</div> <div>44 Minutes @ 0% Minor Repairs</div>						

QUALITY CONTROL REPORT-HOPPER DREDGE											PAGE NO. <div>Page 493 of 494</div>			
CONTRACT NO. W91278-16-D-0041 0001		CONTRACT TITLE IDIQ Rental Hopper Dredge in Mobile					CONTRACTOR Dutra Dredging Company				REPORT NO. 269			
CHARACTER OF REPORT		<input checked="" type="checkbox"/> MAINTENANCE <input type="checkbox"/> NEW WORK								DATE 27 Oct 2016 - Thursday				
DREDGE (M/V Columbia)		HOPPER CAP: 4,387 CY			AVG VOL OF BIN WATER: 4,387 CY			AVG UNFILLED CAP: 4,387 CY						
		NO. OF CREW MEMBERS	DREDGE 13		OTHER PLANT 5	WORK SCHEDULE	SHIFTS PER DAY 2	DAYS PER WEEK 7						
LOCATION OF WORK		LOCATION CHANNEL Mobile Harbor		REACH DREDGED; STA TO STA Sta 1240+00 to 1300+00		DISPOSAL AREA USE Mobile 102 -SW		QTY DEPOSITED GROSS(CY) 10,540		CUMULATIVE AND QTY DEPOSIT FOR DA(CY) 2,321,435				
		AVG LENGTH OF CUT 6,000 FT			AVG WIDTH OF CUT 400 FT			AVG DIST TO DUMP 22 NM						
CHARACTER OF MATERIAL		DENSITY OF MATERIALS						GMS/LITER 1.045						
		DENSITY OF WATER				1.006		GMS/LITER@ 72 °F						
RIVER/TIDE STAGE		MIN 1	TIME 00:00	MAX 0	TIME 00:00	GAGE LOCATION Dog River								
		MIN 1	TIME 00:00	MAX 0	TIME 00:00	GAGE DATUM MLLW								
WEATHER CONDITION		WEATHER Weather Caused No Delay			TEMP (min / max) 61 °F / 82 °F		VISIBILITY 10		WIND 10					
DRAFT					DISTRIBUTION OF TIME AND MILES RUN									
FORWARD		LIGHT		LOADED				AGITATING (MIN)		DREDGE & HAUL (MIN)		MILES RUN (NAUT MI)		
		8		15		EFFECTIVE WORKING TIME:								
AFT		10		16		PUMPING:		00:00		01:39		0.0		
						TURNING:		00:00		00:06		0.0		
DRAG DEPTH MAX 49 MIN 44					TO DUMP:		00:00		08:07		0.0			
INDICATORS LAST CHECKED ON 07/19/2016					CONNECTING:		00:00		00:00		0.0			
AVERAGE SPEED OF DREDGE DURING LOADING					DUMPING:		00:00		00:45		0.0			
			FT/MIN 2		DISCONNECTING:		00:00		00:00		0.0			
AVERAGE SPEED OF DREDGE DURING AGITATING					TO CUT:		00:00		07:10		0.0			
			FT/MIN 0		TOTALS:		00:00		17:47		0.0			
GALLONS OF FUEL OIL CONSUMED					GAL 2,243		NON-EFFECTIVE WORKING TIME:							
GALLONS OF WATER CONSUMED					GAL 935		TAKING ON FUEL AND SUPPLIES:		00:00		00:00		0.0	
WORK PERFORMED					TO AND FROM WHARF OR ANCHORAGE:		00:00		00:00		0.0			
DREDGING AND HAULING			AGITATING		LOSS DUE TO NATURAL ELEMENTS:		00:00		00:00		0.0			
NO. OF LOADS	TOTAL CYS	DISPOSAL AREA		TOTAL CYS		LOSS DUE TO TRAFFIC AND BRIDGES		00:00		00:00		0.0		
4	10,540	Mobile 102-SW		0		MINOR OPERATING REPAIRS:		00:00		00:00		0.0		
						TRANSFERRING BETWEEN WORKS:		00:00		00:00		0.0		
						LAY TIME:		00:00		00:00		0.0		
						FIRE AND BOAT DRILLS:		00:00		00:00		0.0		
ATTENDANT PLANT					MISCELLANEOUS:		00:00		06:13		0.0			
ITEM		NAME OR NUMBER		H.P.	HOURS	TOTALS:		00:00		06:13		0.0		
40' Crewboat		Cape Anne		400	12:00	LOST TIME:								
						MAJOR REPAIRS AND ALTERATIONS:		00:00		00:00		0.0		
						CESSATION:		00:00		00:00		0.0		
						COLLISIONS:		00:00		00:00		0.0		
						TOTALS:		00:00		00:00		0.0		
						TOTAL TIME/MILES:		00:00		24:00		0.0		

QUALITY CONTROL REPORT-HOPPER DREDGE					PAGE NO. Page 494 of 494	
CONTRACT NO. W91278-16-D-0041 0001		CONTRACT TITLE IDIQ Rental Hopper Dredge in Mobile		CONTRACTOR Dutra Dredging Company		REPORT NO. 269
DREDGE		NAME AND TYPE M/V Columbia			DATE 27 Oct 2016 - Thursday	
LOADS						
LOAD NUMBER	DREDGING AREA DISPOSAL AREA	START TIME STOP TIME (HH:MM)	PUMPING TURNING (MIN)	TO DUMP DUMPING TO CUT (MIN)	TOTAL TIME DREDGED AMOUNT AGITATED AMOUNT (MIN/CYS)	
1	Sta 1240+00 to 1300+00 Mobile 102-SW	00:00 00:22	22 0	118 4 62	206 2,635 0	
2	Sta 1240+00 to 1300+00 Mobile 102-SW	03:26 03:52	26 0	121 4 124	275 2,635 0	
3	Sta 1240+00 to 1300+00 Mobile 102-SW	08:01 08:35	28 6	126 30 122	312 2,635 0	
4	Sta 1240+00 to 1300+00 Mobile 102-SW	13:13 13:36	23 0	122 7 122	274 2,635 0	
QC NARRATIVE(S) GENERAL COMMENTS 1067 Minutes @ 100% 373 Minutes @ 0% End of Contract						
CONTRACTOR CERTIFICATION		On behalf of the contractor, I certify that this Report is complete and correct and all equipment and material used and work performed during this Reporting period are in compliance with the contract plans and specifications, to the best of my knowledge, except as noted above.				
QC REPRESENTATIVE'S SIGNATURE		DATE	SUPERINTENDENT'S INITIALS		DATE	