

QUALITY CONTROL REPORT-HOPPER DREDGE										PAGE NO. Page 1 of 47	
CONTRACT NO. W9127820F0578		CONTRACT TITLE Maint. Dredging of the Mobile Harbor				CONTRACTOR Dutra Dredging Co.				REPORT NO. 12	
CHARACTER OF REPORT		<input checked="" type="checkbox"/> MAINTENANCE <input type="checkbox"/> NEW WORK						DATE 02/03/2021			
DREDGE Columbia - Hopper		HOPPER CAP: 4387 CY			AVG VOL OF BIN WATER: 100 CY			AVG UNFILLED CAP: 0 CY			
		NO. OF CREW MEMBERS		DREDGE		OTHER PLANT		WORK SCHEDULE		SHIFTS PER DAY	
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 Bay		Sta 376+00 to 436+00			Mobile Aite 102-SW quadra		0		0
CHARACTER OF MATERIAL		DENSITY OF MATERIALS			1250			GMS/LITER		1250	
		DENSITY OF WATER			1006			GMS/LITER@		60 °F	
RIVER/TIDE STAGE		MIN 0.71		TIME 22:00		MAX 0.00		TIME 00:00		GAGE LOCATION USCG	
		MIN 0.00		TIME 00:00		MAX 0.00		TIME 00:00		GAGE DATUM MLLW	
WEATHER CONDITION		WEATHER Weather Caused No Delay				TEMP 32 °F / 58 °F		VISIBILITY 10 MI		WIND 5-10 MPH	
DRAFT						DISTRIBUTION OF TIME AND MILES RUN					
LIGHT		LOADED				AGITATING (MIN)		DREDGE & HAUL (MIN)		MILES RUN (NAUT MI)	
FORWARD		8		18		EFFECTIVE WORKING TIME:					
AFT		10		15		PUMPING:		00:00		00:41 0.0	
DRAG DEPTH		MAX 0		MIN 0		TURNING:		00:00		00:00 0.0	
INDICATORS LAST CHECKED ON		02/03/2021				TO DUMP:		00:00		01:38 0.0	
AVERAGE SPEED OF DREDGE DURING LOADING		FT/MIN		0		CONNECTING:		00:00		00:00 0.0	
AVERAGE SPEED OF DREDGE DURING AGITATING		FT/MIN		0		DUMPING:		00:00		00:00 0.0	
GALLONS OF FUEL OIL CONSUMED		GAL		2,763		DISCONNECTING:		00:00		00:00 0.0	
GALLONS OF WATER CONSUMED		GAL		561		TO CUT:		00:00		01:00 0.0	
WORK PERFORMED						TOTALS:		00:00		03:19 0.0	
DREDGING AND HAULING						NON-EFFECTIVE WORKING TIME:					
NO. OF LOADS		TOTAL CYS		DISPOSAL AREA		TOTAL CYS		TAKING ON FUEL AND SUPPLIES			
1		0		Mobile Site 102-SW Quad		0		00:00		00:00 0.0	
AGITATING						TO AND FROM WHARF OR ANCHORAGE:		00:00		00:00 0.0	
LOSS DUE TO NATURAL ELEMENTS:						LOSS DUE TO NATURAL ELEMENTS:		00:00		00:00 0.0	
LOSS DUE TO TRAFFIC AND BRIDGES						LOSS DUE TO TRAFFIC AND BRIDGES		00:00		00:00 0.0	
MINOR OPERATING REPAIRS						MINOR OPERATING REPAIRS		00:00		00:00 0.0	
TRANSFERRING BETWEEN WORKS						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	
Crew Boat		Cape Anne		400		24:00		MISCELLANEOUS		00:00 20:41 0.0	
TOTALS						TOTALS		00:00		20:41 0.0	
LOST TIME:						MAJOR REPAIRS AND ALTERNATIONS					
MAJOR REPAIRS AND ALTERNATIONS						MAJOR REPAIRS AND ALTERNATIONS		00:00		00:00 0.0	
CESSATION:						CESSATION:		00:00		00:00 0.0	
COLLISIONS:						COLLISIONS:		00:00		00:00 0.0	
TOTALS:						TOTALS:		00:00		00:00 0.0	
TOTAL TIME/MILES:						TOTAL TIME/MILES:		00:00		24:00 0.0	

QUALITY CONTROL REPORT-HOPPER DREDGE

CONTRACT NO. W9127820F0019 W9127820F0578	CONTRACT TITLE Maint. Dredging of the Mobile Harbor	REPORT NO. 1
DREDGE	CONTRACTOR Dutra Dredging Co.	DATE 02/03/2021

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 376+00 to 436+00 Mobile Site 102-SW Quad	20:41 21:22	41 0	98 0 60	199 0 0

QC NARRATIVE(S)

GENERAL COMMENTS

Contract Start-up at 20:41

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

QUALITY CONTROL REPORT-HOPPER DREDGE										PAGE NO.	
										Page 3 of 47	
CONTRACT NO. W9127820F0019 W9127820F0578			CONTRACT TITLE Maint. Dredging of the Mobile Harbor				CONTRACTOR Dutra Dredging Co.			REPORT NO. 2	
CHARACTER OF REPORT			<input checked="" type="checkbox"/> MAINTENANCE <input type="checkbox"/> NEW WORK						DATE 02/04/2021		
DREDGE Columbia - Hopper		HOPPER CAP: 4387 CY			AVG VOL OF BIN WATER: 100 CY			AVG UNFILLED CAP: 0 CY			
		NO. OF CREW MEMBERS	DREDGE		OTHER PLANT	WORK SCHEDULE		SHIFTS PER DAY	DAYS PER WEEK		
			13		6			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 Bay	Sta 376+00 to 436+00			Mobile Aite 102-SW quadra	10,270	10,270			
		AVG LENGTH OF CUT 6000 FT			AVG WIDTH OF CUT 400 FT			AVG DIST TO DUMP 36 NM			
CHARACTER OF MATERIAL		DENSITY OF MATERIALS				1250		GMS/LITER		1250	
		DENSITY OF WATER				1006		GMS/LITER@		60 °F	
RIVER/TIDE STAGE		MIN 0.71	TIME 22:00	MAX 0.00	TIME 00:00	GAGE LOCATION		USCG			
		MIN 0.00	TIME 00:00	MAX 0.00	TIME 00:00	GAGE DATUM		MLLW			
WEATHER CONDITION		WEATHER Weather Caused No Delay			TEMP 42 °F / 64 °F		VISIBILITY 10 MI	WIND 15/E MPH			
DRAFT					DISTRIBUTION OF TIME AND MILES RUN						
		LIGHT	LOADED				AGITATING (MIN)	DREDGE & HAUL (MIN)	MILES RUN (NAUT MI)		
FORWARD		8	18		EFFECTIVE WORKING TIME:						
AFT		10	15		PUMPING:	00:00	02:06	0.0			
DRAG DEPTH		MAX 0	MIN 0		TURNING:	00:00	00:00	0.0			
INDICATORS LAST CHECKED ON		02/03/2021									
AVERAGE SPEED OF DREDGE DURING LOADING		FT/MIN	0		TO DUMP:	00:00	12:00	0.0			
AVERAGE SPEED OF DREDGE DURING AGITATING		FT/MIN	0		CONNECTING:	00:00	00:00	0.0			
GALLONS OF FUEL OIL CONSUMED		GAL	3,820		DUMPING:	00:00	00:16	0.0			
GALLONS OF WATER CONSUMED		GAL	561		DISCONNECTING:	00:00	00:00	0.0			
					TO CUT:	00:00	09:15	0.0			
					TOTALS:	00:00	23:37	0.0			
WORK PERFORMED					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			
NO.OF LOADS	TOTAL CYS	DISPOSAL AREA		TOTAL CYS	LOSS DUE TO NATURAL ELEMENTS:	00:00	00:00	0.0			
5	10,270	Mobile Site 102-SW Quad		0	LOSS DUE TO TRAFFIC AND BRIDGES	00:00	00:00	0.0			
					MINOR OPERATING REPAIRS	00:00	00:23	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	00:23	0.0			
					LOST TIME:						
					MAJOR REPAIRS AND ALTERNATIONS	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 5 of 47	
CONTRACT NO. W9127820F0019 W9127820F0578		CONTRACT TITLE Maint. Dredging of the Mobile Harbor				CONTRACTOR Dutra Dredging Co.				REPORT NO. 3	
CHARACTER OF REPORT		<input checked="" type="checkbox"/> MAINTENANCE <input type="checkbox"/> NEW WORK						DATE 02/05/2021			
DREDGE Columbia - Hopper		HOPPER CAP: 4387 CY			AVG VOL OF BIN WATER: 100 CY			AVG UNFILLED CAP: 0 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 Bay		Sta 376+00 to 436+00			Mobile Aite 102-SW quadra		7,905	18,175	
		AVG LENGTH OF CUT 6000 FT			AVG WIDTH OF CUT 400 FT			AVG DIST TO DUMP 36 NM			
CHARACTER OF MATERIAL		DENSITY OF MATERIALS				1250		GMS/LITER		1250	
		DENSITY OF WATER				1006		GMS/LITER@		60 °F	
RIVER/TIDE STAGE		MIN 0.71		TIME 22:00		MAX 0.00		TIME 00:00		GAGE LOCATION USCG	
		MIN 0.00		TIME 00:00		MAX 0.00		TIME 00:00		GAGE DATUM MLLW	
WEATHER CONDITION		WEATHER Weather Caused No Delay				TEMP 42 °F / 54 °F		VISIBILITY 10 MI		WIND 20/NE MPH	
DRAFT						DISTRIBUTION OF TIME AND MILES RUN					
		LIGHT		LOADED				AGITATING (MIN)	DREDGE & HAUL (MIN)	MILES RUN (NAUT MI)	
FORWARD		8		18		EFFECTIVE WORKING TIME:					
AFT		10		15		PUMPING:	00:00	02:09	0.0		
DRAG DEPTH		MAX 0		MIN 0		TURNING:	00:00	00:00	0.0		
INDICATORS LAST CHECKED ON		02/03/2021		TO DUMP:	00:00	10:14	0.0	CONNECTING:	00:00	00:00	0.0
AVERAGE SPEED OF DREDGE DURING LOADING		FT/MIN		0		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		2,852		TO CUT:	00:00	11:25	0.0		
GALLONS OF WATER CONSUMED		GAL		561		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
4		7,905		Mobile Site 102-SW Quad		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		
Crew Boat		Cape Anne		400		24:00		MISCELLANEOUS	00:00	00:00	0.0
								TOTALS	00:00	00:00	0.0
						LOST TIME:					
						MAJOR REPAIRS AND ALTERNATIONS	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 7 of 47	
CONTRACT NO. W9127820F0019 W9127820F0578		CONTRACT TITLE Maint. Dredging of the Mobile Harbor				CONTRACTOR Dutra Dredging Co.				REPORT NO. 4	
CHARACTER OF REPORT		<input checked="" type="checkbox"/> MAINTENANCE <input type="checkbox"/> NEW WORK						DATE 02/06/2021			
DREDGE Columbia - Hopper		HOPPER CAP: 4387 CY			AVG VOL OF BIN WATER: 100 CY			AVG UNFILLED CAP: 0 CY			
		NO. OF CREW MEMBERS		DREDGE		OTHER PLANT		WORK SCHEDULE		SHIFTS PER DAY	
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 Bay		Sta 376+00 to 436+00			Mobile Aite 102-SW quadra		5,270		23,445
CHARACTER OF MATERIAL		AVG LENGTH OF CUT			AVG WIDTH OF CUT			AVG DIST TO DUMP			
		6000 FT			400 FT			36 NM			
DENSITY OF MATERIALS		DENSITY OF MATERIALS			1250			GMS/LITER		1250	
		DENSITY OF WATER			1006			GMS/LITER@		60 °F	
RIVER/TIDE STAGE		MIN 0.71		TIME 22:00		MAX 0.00		TIME 00:00		GAGE LOCATION USCG	
		MIN 0.00		TIME 00:00		MAX 0.00		TIME 00:00		GAGE DATUM MLLW	
WEATHER CONDITION		WEATHER Weather Caused Critical Delay			TEMP 42 °F / 54 °F		VISIBILITY 10 MI		WIND 20/NE MPH		
DRAFT						DISTRIBUTION OF TIME AND MILES RUN					
LIGHT		LOADED				AGITATING (MIN)		DREDGE & HAUL (MIN)		MILES RUN (NAUT MI)	
FORWARD		8		18		EFFECTIVE WORKING TIME:					
AFT		10		15		PUMPING:		00:00		02:01 0.0	
DRAG DEPTH		MAX 0		MIN 0		TURNING:		00:00		00:08 0.0	
INDICATORS LAST CHECKED ON		02/03/2021				TO DUMP:		00:00		09:25 0.0	
AVERAGE SPEED OF DREDGE DURING LOADING		FT/MIN		0		CONNECTING:		00:00		00:00 0.0	
AVERAGE SPEED OF DREDGE DURING AGITATING		FT/MIN		0		DUMPING:		00:00		00:08 0.0	
GALLONS OF FUEL OIL CONSUMED		GAL		2,523		DISCONNECTING:		00:00		00:00 0.0	
GALLONS OF WATER CONSUMED		GAL		936		TO CUT:		00:00		07:04 0.0	
WORK PERFORMED						TOTALS:		00:00		18:46 0.0	
DREDGING AND HAULING						NON-EFFECTIVE WORKING TIME:					
NO. OF LOADS		TOTAL CYS		DISPOSAL AREA		TOTAL CYS		TAKING ON FUEL AND SUPPLIES			
3		5,270		Mobile Site 102-SW Quad		0		00:00		00:00 0.0	
AGITATING						TO AND FROM WHARF OR ANCHORAGE:		00:00		00:00 0.0	
LOSS DUE TO NATURAL ELEMENTS:						LOSS DUE TO NATURAL ELEMENTS:		00:00		05:01 0.0	
LOSS DUE TO TRAFFIC AND BRIDGES						LOSS DUE TO TRAFFIC AND BRIDGES		00:00		00:13 0.0	
MINOR OPERATING REPAIRS						MINOR OPERATING REPAIRS		00:00		00:00 0.0	
TRANSFERRING BETWEEN WORKS						TRANSFERRING BETWEEN WORKS		00:00		00:00 0.0	
LAY TIME:						LAY TIME:		00:00		00:00 0.0	
FIRE AND BOAT DRILLS:						FIRE AND BOAT DRILLS:		00:00		00:00 0.0	
MISCELLANEOUS						MISCELLANEOUS		00:00		00:00 0.0	
TOTALS						TOTALS		00:00		05:14 0.0	
LOST TIME:						LOST TIME:					
MAJOR REPAIRS AND ALTERNATIONS						MAJOR REPAIRS AND ALTERNATIONS		00:00		00:00 0.0	
CESSATION:						CESSATION:		00:00		00:00 0.0	
COLLISIONS:						COLLISIONS:		00:00		00:00 0.0	
TOTALS:						TOTALS:		00:00		00:00 0.0	
TOTAL TIME/MILES:						TOTAL TIME/MILES:		00:00		24:00 0.0	
ATTENDANT PLANT						ATTENDANT PLANT					
ITEM		NAME OR NUMBER		H.P.		HOURS					
Crew Boat		Cape Anne		400		24:00					

QUALITY CONTROL REPORT-HOPPER DREDGE

CONTRACT NO. W9127820F0578	CONTRACT TITLE Maint. Dredging of the Mobile Harbor	CONTRACTOR Dutra Dredging Co.	REPORT NO. 4
DREDGE	NAME AND TYPE Columbia - Hopper		DATE 02/06/2021

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 376+00 to 436+00 Mobile Site 102-SW Quad	00:00 00:45	45 0	196 4 60	305 2,635 0
2	Sta 376+00 to 436+00 Mobile Site 102-SW Quad	05:05 05:50	45 0	222 4 184	455 2,635 0
3	Sta 376+00 to 436+00 Mobile Site 102-SW Quad	12:40 13:19	31 8	147 0 180	366 0 0

QC NARRATIVE(S)

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.		
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QC REPRESENTATIVE'S SIGNATURE	DATE	SUPERINTENDENT'S INITIALS	DATE
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QUALITY CONTROL REPORT-HOPPER DREDGE										PAGE NO. Page 9 of 47				
CONTRACT NO. W9127820F0019 W9127820F0578		CONTRACT TITLE Maint. Dredging of the Mobile Harbor				CONTRACTOR Dutra Dredging Co.				REPORT NO. 5				
CHARACTER OF REPORT		<input checked="" type="checkbox"/> MAINTENANCE <input type="checkbox"/> NEW WORK						DATE 02/07/2021						
DREDGE Columbia - Hopper		HOPPER CAP: 4387 CY			AVG VOL OF BIN WATER: 100 CY			AVG UNFILLED CAP: 0 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 Bay		Sta 376+00 to 436+00			Mobile Aite 102-SW quadra		10,540		33,985			
CHARACTER OF MATERIAL		AVG LENGTH OF CUT			AVG WIDTH OF CUT			AVG DIST TO DUMP						
		6000 FT			400 FT			36 NM						
CHARACTER OF MATERIAL		DENSITY OF MATERIALS				1250		GMS/LITER		1250				
		DENSITY OF WATER				1006		GMS/LITER@		60 °F				
RIVER/TIDE STAGE		MIN 0.71		TIME 22:00		MAX 0.00		TIME 00:00		GAGE LOCATION USCG				
		MIN 0.00		TIME 00:00		MAX 0.00		TIME 00:00		GAGE DATUM MLLW				
WEATHER CONDITION		WEATHER Weather Caused No Delay				TEMP 46 °F / 53 °F		VISIBILITY 10 MI		WIND 15/N MPH				
DRAFT						DISTRIBUTION OF TIME AND MILES RUN								
		LIGHT		LOADED				AGITATING (MIN)		DREDGE & HAUL (MIN)		MILES RUN (NAUT MI)		
FORWARD		8		18		EFFECTIVE WORKING TIME:								
AFT		10		15		PUMPING:		00:00		02:12		0.0		
DRAG DEPTH		MAX 0		MIN 0		TURNING:		00:00		00:00		0.0		
INDICATORS LAST CHECKED ON		02/03/2021				TO DUMP:		00:00		10:47		0.0		
AVERAGE SPEED OF DREDGE DURING LOADING		FT/MIN		0		CONNECTING:		00:00		00:00		0.0		
AVERAGE SPEED OF DREDGE DURING AGITATING		FT/MIN		0		DUMPING:		00:00		00:16		0.0		
GALLONS OF FUEL OIL CONSUMED		GAL		2,815		DISCONNECTING:		00:00		00:00		0.0		
GALLONS OF WATER CONSUMED		GAL		936		TO CUT:		00:00		10:45		0.0		
						TOTALS:								
						00:00		24:00		0.0				
WORK PERFORMED						NON-EFFECTIVE WORKING TIME:								
DREDGING AND HAULING						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 Site 102-SW Quad		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
Crew Boat		Cape Anne		400		24:00		MISCELLANEOUS		00:00		00:00		0.0
								TOTALS		00:00		00:00		0.0
						LOST TIME:								
								MAJOR REPAIRS AND ALTERNATIONS		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 11 of 47		
CONTRACT NO. W9127820F0578			CONTRACT TITLE Maint. Dredging of the Mobile Harbor				CONTRACTOR Dutra Dredging Co.			REPORT NO. 6		
CHARACTER OF REPORT			<input checked="" type="checkbox"/> MAINTENANCE <input type="checkbox"/> NEW WORK						DATE 02/08/2021			
DREDGE Columbia - Hopper		HOPPER CAP: 4387 CY			AVG VOL OF BIN WATER: 100 CY			AVG UNFILLED CAP: 0 CY				
		NO. OF CREW MEMBERS		DREDGE		OTHER PLANT		WORK SCHEDULE		SHIFTS PER DAY	DAYS PER WEEK	
		13		6						2	7	
LOCATION OF WORK		LOCATION CHANNEL Mobile Bay			REACH DREDGED; STA TO STA Sta 376+00 to 436+00			DISPOSAL AREA USE Mobile Aite 102-SW quadra		QTY DEPOSITED GROSS(CY) 7,905	CUMULATIVE AND QTY DEPOSIT FOR DA(CY) 41,890	
		AVG LENGTH OF CUT 6000 FT			AVG WIDTH OF CUT 400 FT			AVG DIST TO DUMP 36 NM				
CHARACTER OF MATERIAL		DENSITY OF MATERIALS				1250		GMS/LITER		1250		
		DENSITY OF WATER				1006		GMS/LITER@		60 °F		
RIVER/TIDE STAGE		MIN 0.71		TIME 22:00		MAX 0.00		TIME 00:00		GAGE LOCATION USCG		
		MIN 0.00		TIME 00:00		MAX 0.00		TIME 00:00		GAGE DATUM MLLW		
WEATHER CONDITION		WEATHER Weather Caused No Delay				TEMP 43 °F / 62 °F		VISIBILITY 10 MI		WIND 20 E MPH		
DRAFT						DISTRIBUTION OF TIME AND MILES RUN						
		LIGHT		LOADED				AGITATING (MIN)	DREDGE & HAUL (MIN)	MILES RUN (NAUT MI)		
FORWARD		8		18		EFFECTIVE WORKING TIME:						
AFT		10		15		PUMPING:		00:00	02:34	0.0		
DRAG DEPTH		MAX 0		MIN 0		TURNING:		00:00	00:00	0.0		
INDICATORS LAST CHECKED ON		02/03/2021				TO DUMP:		00:00	13:15	0.0		
						CONNECTING:		00:00	00:00	0.0		
AVERAGE SPEED OF DREDGE DURING LOADING		FT/MIN		0		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		2,665		TO CUT:		00:00	07:59	0.0		
GALLONS OF WATER CONSUMED		GAL		935		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 4		TOTAL CYS 7,905		DISPOSAL AREA Mobile Site 102-SW Quad		TOTAL CYS 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		
ITEM		NAME OR NUMBER		H.P.	HOURS	FIRE AND BOAT DRILLS:		00:00	00:00	0.0		
Crew Boat		Cape Anne		400	24:00	MISCELLANEOUS		00:00	00:00	0.0		
						TOTALS		00:00	00:00	0.0		
						LOST TIME:						
						MAJOR REPAIRS AND ALTERNATIONS		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 12 of 47	
CONTRACT NO. W9127820F0019 W9127820F0578	CONTRACT TITLE Maint. Dredging of the Mobile Harbor	CONTRACTOR Dutra Dredging Co.		REPORT NO. 6
DREDGE	NAME AND TYPE Columbia - Hopper			DATE 02/08/2021

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 376+00 to 436+00	00:00	45	190	355
	Mobile Site 102-SW Quad	00:45	0	4 116	2,635 0
2	Sta 376+00 to 436+00	05:55	45	218	455
	Mobile Site 102-SW Quad	06:40	0	4 188	2,635 0
3	Sta 376+00 to 436+00	13:30	43	204	426
	Mobile Site 102-SW Quad	14:13	0	4 175	2,635 0
4	Sta 376+00 to 436+00	20:36	21	183	204
	Mobile Site 102-SW Quad	20:57	0	0 0	0 0

QC NARRATIVE(S)

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

QUALITY CONTROL REPORT-HOPPER DREDGE										PAGE NO. Page 13 of 47	
CONTRACT NO. W9127820F0578		CONTRACT TITLE Maint. Dredging of the Mobile Harbor				CONTRACTOR Dutra Dredging Co.				REPORT NO. 7	
CHARACTER OF REPORT		<input checked="" type="checkbox"/> MAINTENANCE <input type="checkbox"/> NEW WORK						DATE 02/09/2021			
DREDGE Columbia - Hopper		HOPPER CAP: 4387 CY			AVG VOL OF BIN WATER: 100 CY			AVG UNFILLED CAP: 0 CY			
		NO. OF CREW MEMBERS		DREDGE		OTHER PLANT		WORK SCHEDULE		SHIFTS PER DAY	
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 Bay		Sta 376+00 to 436+00			Mobile Aite 102-SW quadra		5,270		47,160
CHARACTER OF MATERIAL		DENSITY OF MATERIALS			1250			GMS/LITER		1250	
		DENSITY OF WATER			1006			GMS/LITER@		60 °F	
RIVER/TIDE STAGE		MIN 0.71		TIME 22:00		MAX 0.00		TIME 00:00		GAGE LOCATION USCG	
		MIN 0.00		TIME 00:00		MAX 0.00		TIME 00:00		GAGE DATUM MLLW	
WEATHER CONDITION		WEATHER Weather Caused No Delay			TEMP 57 °F / 70 °F		VISIBILITY 10 MI		WIND 10 SE MPH		
DRAFT						DISTRIBUTION OF TIME AND MILES RUN					
LIGHT		LOADED				AGITATING (MIN)		DREDGE & HAUL (MIN)		MILES RUN (NAUT MI)	
FORWARD		8		18		EFFECTIVE WORKING TIME:					
AFT		10		15		PUMPING:		00:00		02:21	
DRAG DEPTH		MAX 0		MIN 0		TURNING:		00:00		00:06	
INDICATORS LAST CHECKED ON		02/03/2021				TO DUMP:		00:00		11:39	
AVERAGE SPEED OF DREDGE DURING LOADING		FT/MIN		0		CONNECTING:		00:00		00:00	
AVERAGE SPEED OF DREDGE DURING AGITATING		FT/MIN		0		DUMPING:		00:00		00:12	
GALLONS OF FUEL OIL CONSUMED		GAL		2,760		DISCONNECTING:		00:00		00:00	
GALLONS OF WATER CONSUMED		GAL		560		TO CUT:		00:00		09:42	
WORK PERFORMED						TOTALS:		00:00		24:00	
DREDGING AND HAULING						NON-EFFECTIVE WORKING TIME:					
NO. OF LOADS		TOTAL CYS		DISPOSAL AREA		TOTAL CYS		TAKING ON FUEL AND SUPPLIES			
4		5,270		Mobile Site 102-SW Quad		0		00:00		00:00	
AGITATING						TO AND FROM WHARF OR ANCHORAGE:		00:00		00:00	
LOSS DUE TO NATURAL ELEMENTS:						LOSS DUE TO NATURAL ELEMENTS:		00:00		00:00	
LOSS DUE TO TRAFFIC AND BRIDGES						LOSS DUE TO TRAFFIC AND BRIDGES		00:00		00:00	
MINOR OPERATING REPAIRS						MINOR OPERATING REPAIRS		00:00		00:00	
TRANSFERRING BETWEEN WORKS						TRANSFERRING BETWEEN WORKS		00:00		00:00	
LAY TIME:						LAY TIME:		00:00		00:00	
FIRE AND BOAT DRILLS:						FIRE AND BOAT DRILLS:		00:00		00:00	
MISCELLANEOUS						MISCELLANEOUS		00:00		00:00	
TOTALS						TOTALS		00:00		00:00	
LOST TIME:						LOST TIME:					
MAJOR REPAIRS AND ALTERNATIONS						MAJOR REPAIRS AND ALTERNATIONS		00:00		00:00	
CESSATION:						CESSATION:		00:00		00:00	
COLLISIONS:						COLLISIONS:		00:00		00:00	
TOTALS:						TOTALS:		00:00		00:00	
TOTAL TIME/MILES:						TOTAL TIME/MILES:		00:00		24:00	
ATTENDANT PLANT						ATTENDANT PLANT					
ITEM		NAME OR NUMBER		H.P.		HOURS		FIRE AND BOAT DRILLS:			
Crew Boat		Cape Anne		400		24:00		00:00		00:00	
MISCELLANEOUS						MISCELLANEOUS		00:00		00:00	
TOTALS						TOTALS		00:00		00:00	
LOST TIME:						LOST TIME:					
MAJOR REPAIRS AND ALTERNATIONS						MAJOR REPAIRS AND ALTERNATIONS		00:00		00:00	
CESSATION:						CESSATION:		00:00		00:00	
COLLISIONS:						COLLISIONS:		00:00		00:00	
TOTALS:						TOTALS:		00:00		00:00	
TOTAL TIME/MILES:						TOTAL TIME/MILES:		00:00		24:00	

QUALITY CONTROL REPORT-HOPPER DREDGE			PAGE NO. Page 14 of 47
CONTRACT NO. W9127820F0019 W9127820F0578	CONTRACT TITLE Maint. Dredging of the Mobile Harbor	CONTRACTOR Dutra Dredging Co.	REPORT NO. 7
DREDGE	NAME AND TYPE Columbia - Hopper	DATE 02/09/2021	

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 376+00 to 436+00	00:00	24	188	216
	Mobile Site 102-SW Quad	00:24	0	4	2,635
				0	0
2	Sta 376+00 to 436+00	03:36	40	211	477
	Mobile Site 102-SW Quad	04:16	0	4	2,635
				222	0
3	Sta 376+00 to 436+00	11:33	42	208	437
	Mobile Site 102-SW Quad	12:15	0	4	0
				183	0
4	Sta 376+00 to 436+00	18:50	35	92	310
	Mobile Site 102-SW Quad	19:31	6	0	0
				177	0

QC NARRATIVE(S)

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.
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QC REPRESENTATIVE'S SIGNATURE	DATE	SUPERINTENDENT'S INITIALS	DATE
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QUALITY CONTROL REPORT-HOPPER DREDGE							PAGE NO.				
							Page 15 of 47				
CONTRACT NO. W9127820F0578		CONTRACT TITLE Maint. Dredging of the Mobile Harbor			CONTRACTOR Dutra Dredging Co.		REPORT NO. 8				
CHARACTER OF REPORT		<input checked="" type="checkbox"/> MAINTENANCE <input type="checkbox"/> NEW WORK					DATE 02/10/2021				
DREDGE Columbia - Hopper		HOPPER CAP: 4387 CY		AVG VOL OF BIN WATER: 100 CY		AVG UNFILLED CAP: 0 CY					
		NO. OF CREW MEMBERS	DREDGE	OTHER PLANT	WORK SCHEDULE	SHIFTS PER DAY	DAYS PER WEEK				
		13	6			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 Bay		Sta 376+00 to 436+00 and 316+00 to 376+00		Mobile Aite 102-SW quadra	10,000	57,160			
		AVG LENGTH OF CUT		AVG WIDTH OF CUT		AVG DIST TO DUMP					
		6000 FT		400 FT		36 NM					
CHARACTER OF MATERIAL		DENSITY OF MATERIALS			1250		GMS/LITER	1250			
		DENSITY OF WATER			1006		GMS/LITER@	60 °F			
RIVER/TIDE STAGE		MIN	0.71	TIME	22:00	MAX	0.00	TIME	00:00	GAGE LOCATION	USCG
		MIN	0.00	TIME	00:00	MAX	0.00	TIME	00:00	GAGE DATUM	MLLW
WEATHER CONDITION		WEATHER Weather Caused No Delay			TEMP 59 °F / 68 °F		VISIBILITY 2 MI	WIND 20 SE MPH			
DRAFT						DISTRIBUTION OF TIME AND MILES RUN					
		LIGHT		LOADED				AGITATING (MIN)	DREDGE & HAUL (MIN)	MILES RUN (NAUT MI)	
FORWARD		8		18		EFFECTIVE WORKING TIME:					
AFT		10		15		PUMPING:	00:00	02:16	0.0		
DRAG DEPTH		MAX 0		MIN 0		TURNING:	00:00	00:00	0.0		
INDICATORS LAST CHECKED ON		02/03/2021		TO DUMP:	00:00	11:40	0.0				
AVERAGE SPEED OF DREDGE DURING LOADING		FT/MIN	0	CONNECTING:	00:00	00:00	0.0				
AVERAGE SPEED OF DREDGE DURING AGITATING		FT/MIN	0	DUMPING:	00:00	00:16	0.0				
GALLONS OF FUEL OIL CONSUMED		GAL	2,760	DISCONNECTING:	00:00	00:00	0.0				
GALLONS OF WATER CONSUMED		GAL	560	TO CUT:	00:00	09:48	0.0				
				TOTALS:	00:00	24:00	0.0				
WORK PERFORMED						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		
NO.OF LOADS		TOTAL CYS	DISPOSAL AREA		TOTAL CYS	LOSS DUE TO NATURAL ELEMENTS:	00:00	00:00	0.0		
4		10,000	Mobile Site 102-SW Quad		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		
ITEM		NAME OR NUMBER		H.P.	HOURS	MISCELLANEOUS	00:00	00:00	0.0		
Crew Boat		Cape Anne		400	24:00	TOTALS	00:00	00:00	0.0		
						LOST TIME:					
						MAJOR REPAIRS AND ALTERNATIONS	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 17 of 47	
CONTRACT NO. W9127820F0578			CONTRACT TITLE Maint. Dredging of the Mobile Harbor				CONTRACTOR Dutra Dredging Co.			REPORT NO. 9	
CHARACTER OF REPORT			<input checked="" type="checkbox"/> MAINTENANCE <input type="checkbox"/> NEW WORK						DATE 02/11/2021		
DREDGE Columbia - Hopper		HOPPER CAP: 4387 CY			AVG VOL OF BIN WATER: 100 CY			AVG UNFILLED CAP: 0 CY			
		NO. OF CREW MEMBERS	DREDGE		OTHER PLANT	WORK SCHEDULE		SHIFTS PER DAY	DAYS PER WEEK		
		13	6				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 Bay	Sta 376+00 to 436+00 and 316+00 to 376+00			Mobile Aite 102-SW quadra	7,365	64,525			
		AVG LENGTH OF CUT 6000 FT			AVG WIDTH OF CUT 400 FT			AVG DIST TO DUMP 36 NM			
CHARACTER OF MATERIAL		DENSITY OF MATERIALS			1250			GMS/LITER	1250		
		DENSITY OF WATER			1006			GMS/LITER@	60 °F		
RIVER/TIDE STAGE		MIN 0.71	TIME 22:00	MAX 0.00	TIME 00:00	GAGE LOCATION		USCG			
		MIN 0.00	TIME 00:00	MAX 0.00	TIME 00:00	GAGE DATUM		MLLW			
WEATHER CONDITION		WEATHER Weather Caused No Delay			TEMP 63 °F / 71 °F	VISIBILITY 10 MI	WIND 30 NE MPH				
DRAFT					DISTRIBUTION OF TIME AND MILES RUN						
		LIGHT	LOADED			AGITATING (MIN)	DREDGE & HAUL (MIN)	MILES RUN (NAUT MI)			
FORWARD		8	18		EFFECTIVE WORKING TIME:						
AFT		10	15		PUMPING:	00:00	02:29	0.0			
DRAG DEPTH		MAX 0	MIN 0		TURNING:	00:00	00:00	0.0			
INDICATORS LAST CHECKED ON		02/03/2021			TO DUMP:	00:00	10:38	0.0			
AVERAGE SPEED OF DREDGE DURING LOADING		FT/MIN	0		CONNECTING:	00:00	00:00	0.0			
AVERAGE SPEED OF DREDGE DURING AGITATING		FT/MIN	0		DUMPING:	00:00	00:12	0.0			
GALLONS OF FUEL OIL CONSUMED		GAL	2,536		DISCONNECTING:	00:00	00:00	0.0			
GALLONS OF WATER CONSUMED		GAL	560		TO CUT:	00:00	10:24	0.0			
					TOTALS:	00:00	23:43	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	7,365	Mobile Site 102-SW Quad	0	LOSS DUE TO NATURAL ELEMENTS:	00:00	00:00	0.0				
				LOSS DUE TO TRAFFIC AND BRIDGES	00:00	00:17	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				
ITEM		NAME OR NUMBER	H.P.	HOURS	FIRE AND BOAT DRILLS:	00:00	00:00	0.0			
Crew Boat		Cape Anne	400	24:00	MISCELLANEOUS	00:00	00:00	0.0			
				TOTALS	00:00	00:17	0.0				
				LOST TIME:							
				MAJOR REPAIRS AND ALTERNATIONS	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 47	
CONTRACT NO. W9127820F0019 W9127820F0578	CONTRACT TITLE Maint. Dredging of the Mobile Harbor		CONTRACTOR Dutra Dredging Co.	
DREDGE	NAME AND TYPE Columbia - Hopper		REPORT NO. 9	
			DATE 02/11/2021	

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. 316+00 to 376+00	00:00	44	205	451
	Mobile Site 102-SW Quad	00:44	0	4 198	2,365 0
2	Sta. 316+00 to 376+00	07:31	45	212	457
	Mobile Site 102-SW Quad	08:16	0	4 196	2,635 0
3	Sta. 316+00 to 376+00	15:08	60	221	460
	Mobile Site 102-SW Quad	16:08	0	4 175	2,365 0
4	Sta. 316+00 to 376+00	23:05	0	0	55
	Mobile Site 102-SW Quad	23:05	0	0 55	0 0

QC NARRATIVE(S)

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.
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QC REPRESENTATIVE'S SIGNATURE	DATE	SUPERINTENDENT'S INITIALS	DATE
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QUALITY CONTROL REPORT-HOPPER DREDGE										PAGE NO. Page 19 of 47	
CONTRACT NO. W9127820F0578			CONTRACT TITLE Maint. Dredging of the Mobile Harbor				CONTRACTOR Dutra Dredging Co.			REPORT NO. 10	
CHARACTER OF REPORT			<input checked="" type="checkbox"/> MAINTENANCE <input type="checkbox"/> NEW WORK						DATE 02/12/2021		
DREDGE Columbia - Hopper		HOPPER CAP: 4387 CY			AVG VOL OF BIN WATER: 100 CY			AVG UNFILLED CAP: 0 CY			
		NO. OF CREW MEMBERS	DREDGE		OTHER PLANT	WORK SCHEDULE		SHIFTS PER DAY	DAYS PER WEEK		
			13		6			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 Bay	Sta 316+00 to 376+00			Mobile Aite 102-SW quadra	5,000	69,525			
		AVG LENGTH OF CUT 6000 FT			AVG WIDTH OF CUT 400 FT			AVG DIST TO DUMP 36 NM			
CHARACTER OF MATERIAL		DENSITY OF MATERIALS				1250		GMS/LITER		1250	
		DENSITY OF WATER				1006		GMS/LITER@		60 °F	
RIVER/TIDE STAGE		MIN 0.71	TIME 22:00	MAX 0.00	TIME 00:00	GAGE LOCATION		USCG			
		MIN 0.00	TIME 00:00	MAX 0.00	TIME 00:00	GAGE DATUM		MLLW			
WEATHER CONDITION		WEATHER Weather Caused No Delay			TEMP 52 °F / 59 °F		VISIBILITY 10 MI	WIND 25 N MPH			
DRAFT					DISTRIBUTION OF TIME AND MILES RUN						
		LIGHT	LOADED				AGITATING (MIN)	DREDGE & HAUL (MIN)	MILES RUN (NAUT MI)		
FORWARD		8	18			EFFECTIVE WORKING TIME:					
AFT		10	15			PUMPING:	00:00	01:29	0.0		
DRAG DEPTH		MAX 0	MIN 0			TURNING:	00:00	00:00	0.0		
INDICATORS LAST CHECKED ON		02/03/2021			TO DUMP:	00:00	06:53	0.0			
AVERAGE SPEED OF DREDGE DURING LOADING		FT/MIN	0			CONNECTING:	00:00	00:00	0.0		
AVERAGE SPEED OF DREDGE DURING AGITATING		FT/MIN	0			DUMPING:	00:00	00:08	0.0		
GALLONS OF FUEL OIL CONSUMED		GAL	1,011			DISCONNECTING:	00:00	00:00	0.0		
GALLONS OF WATER CONSUMED		GAL	560			TO CUT:	00:00	05:58	0.0		
					TOTALS:	00:00	14:28	0.0			
WORK PERFORMED					NON-EFFECTIVE WORKING TIME:						
					TAKING ON FUEL AND SUPPLIES	00:00	07:32	0.0			
					TO AND FROM WHARF OR ANCHORAGE:	00:00	02:00	0.0			
NO.OF LOADS	TOTAL CYS	DISPOSAL AREA		TOTAL CYS	LOSS DUE TO NATURAL ELEMENTS:	00:00	00:00	0.0			
3	5,000	Mobile Site 102-SW Quad		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	09:32	0.0			
					LOST TIME:						
					MAJOR REPAIRS AND ALTERNATIONS	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 21 of 47	
CONTRACT NO. W9127820F0578			CONTRACT TITLE Maint. Dredging of the Mobile Harbor				CONTRACTOR Dutra Dredging Co.			REPORT NO. 11	
CHARACTER OF REPORT			<input checked="" type="checkbox"/> MAINTENANCE <input type="checkbox"/> NEW WORK						DATE 02/13/2021		
DREDGE Columbia - Hopper		HOPPER CAP: 4387 CY			AVG VOL OF BIN WATER: 100 CY			AVG UNFILLED CAP: 0 CY			
		NO. OF CREW MEMBERS		DREDGE		OTHER PLANT		WORK SCHEDULE		SHIFTS PER DAY	DAYS PER WEEK
		13		6						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 Bay		Sta 316+00 to 376+00			Mobile Aite 102-SW quadra		7,365	76,890	
		AVG LENGTH OF CUT 6000 FT			AVG WIDTH OF CUT 400 FT			AVG DIST TO DUMP 36 NM			
CHARACTER OF MATERIAL		DENSITY OF MATERIALS				1250		GMS/LITER		1250	
		DENSITY OF WATER				1006		GMS/LITER@		60 °F	
RIVER/TIDE STAGE		MIN 0.71	TIME 22:00	MAX 0.00	TIME 00:00	GAGE LOCATION		USCG			
		MIN 0.00	TIME 00:00	MAX 0.00	TIME 00:00	GAGE DATUM		MLLW			
WEATHER CONDITION		WEATHER Weather Caused No Delay			TEMP 41 °F / 46 °F		VISIBILITY 10 MI		WIND 20 N MPH		
DRAFT						DISTRIBUTION OF TIME AND MILES RUN					
		LIGHT		LOADED				AGITATING (MIN)	DREDGE & HAUL (MIN)	MILES RUN (NAUT MI)	
FORWARD		8		18		EFFECTIVE WORKING TIME:					
AFT		10		15		PUMPING:		00:00	02:15	0.0	
DRAG DEPTH		MAX 0		MIN 0		TURNING:		00:00	00:00	0.0	
INDICATORS LAST CHECKED ON		02/03/2021				TO DUMP:		00:00	10:24	0.0	
AVERAGE SPEED OF DREDGE DURING LOADING		FT/MIN		0		CONNECTING:		00:00	00:00	0.0	
AVERAGE SPEED OF DREDGE DURING AGITATING		FT/MIN		0		DUMPING:		00:00	00:12	0.0	
GALLONS OF FUEL OIL CONSUMED		GAL		3,337		DISCONNECTING:		00:00	00:00	0.0	
GALLONS OF WATER CONSUMED		GAL		261		TO CUT:		00:00	11:09	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	
4		7,365	Mobile Site 102-SW Quad		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	
ITEM		NAME OR NUMBER		H.P.	HOURS	FIRE AND BOAT DRILLS:		00:00	00:00	0.0	
Crew Boat		Cape Anne		400	24:00	MISCELLANEOUS		00:00	00:00	0.0	
						TOTALS		00:00	00:00	0.0	
						LOST TIME:					
						MAJOR REPAIRS AND ALTERNATIONS		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 47	
CONTRACT NO. W9127820F0019 W9127820F0578	CONTRACT TITLE Maint. Dredging of the Mobile Harbor	CONTRACTOR Dutra Dredging Co.		REPORT NO. 11
DREDGE	NAME AND TYPE Columbia - Hopper			DATE 02/13/2021

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. 316+00 to 376+00	00:00	45	199	446
	Mobile Site 102-SW Quad	00:45	0	4 198	2,365 0
2	Sta. 316+00 to 376+00	07:26	45	212	458
	Mobile Site 102-SW Quad	08:11	0	4 197	2,635 0
3	Sta. 316+00 to 376+00	15:04	45	213	454
	Mobile Site 102-SW Quad	15:49	0	4 192	2,365 0
4	Sta. 316+00 to 376+00	22:38	0	0	82
	Mobile Site 102-SW Quad	22:38	0	0 82	0 0

QC NARRATIVE(S)

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

QUALITY CONTROL REPORT-HOPPER DREDGE										PAGE NO. Page 23 of 47		
CONTRACT NO. W9127820F0578		CONTRACT TITLE Maint. Dredging of the Mobile Harbor				CONTRACTOR Dutra Dredging Co.				REPORT NO. 12		
CHARACTER OF REPORT		<input checked="" type="checkbox"/> MAINTENANCE <input type="checkbox"/> NEW WORK						DATE 02/14/2021				
DREDGE Columbia - Hopper		HOPPER CAP: 4387 CY			AVG VOL OF BIN WATER: 100 CY			AVG UNFILLED CAP: 0 CY				
		NO. OF CREW MEMBERS		DREDGE		OTHER PLANT		WORK SCHEDULE		SHIFTS PER DAY		DAYS PER WEEK
				13		6				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 Bay		Sta 316+00 to 376+00				Mobile Aite 102-SW quadra		7,635	84,525	
		AVG LENGTH OF CUT			AVG WIDTH OF CUT			AVG DIST TO DUMP		36 NM		
		6000 FT			400 FT							
CHARACTER OF MATERIAL		DENSITY OF MATERIALS				1250		GMS/LITER		1250		
		DENSITY OF WATER				1006		GMS/LITER@		56 °F		
RIVER/TIDE STAGE		MIN 0.00		TIME 00:00		MAX 0.00		TIME 00:00		GAGE LOCATION USCG		
		MIN 0.00		TIME 00:00		MAX 0.00		TIME 00:00		GAGE DATUM MLLW		
WEATHER CONDITION		WEATHER Weather Caused No Delay				TEMP 38 °F / 46 °F		VISIBILITY 10 MI		WIND 15 NNE MPH		
DRAFT						DISTRIBUTION OF TIME AND MILES RUN						
LIGHT		LOADED						AGITATING (MIN)	DREDGE & HAUL (MIN)	MILES RUN (NAUT MI)		
FORWARD		8		18		EFFECTIVE WORKING TIME:						
AFT		10		15		PUMPING:		00:00	02:15	0.0		
DRAG DEPTH		MAX 0		MIN 0		TURNING:		00:00	00:00	0.0		
INDICATORS LAST CHECKED ON		02/03/2021				TO DUMP:		00:00	10:15	0.0		
AVERAGE SPEED OF DREDGE DURING LOADING		FT/MIN		0		CONNECTING:		00:00	00:00	0.0		
AVERAGE SPEED OF DREDGE DURING AGITATING		FT/MIN		0		DUMPING:		00:00	00:12	0.0		
GALLONS OF FUEL OIL CONSUMED		GAL		2,326		DISCONNECTING:		00:00	00:00	0.0		
GALLONS OF WATER CONSUMED		GAL		784		TO CUT:		00:00	11:18	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:		0.0		
4		7,635		Mobile Site 102-SW Quad		0		LOSS DUE TO NATURAL ELEMENTS:		0.0		
								LOSS DUE TO TRAFFIC AND BRIDGES		0.0		
								MINOR OPERATING REPAIRS		0.0		
								TRANSFERRING BETWEEN WORKS		0.0		
								LAY TIME:		0.0		
ITEM		NAME OR NUMBER		H.P.	HOURS	FIRE AND BOAT DRILLS:		00:00	00:00	0.0		
Crew Boat		Cape Anne		400	24:00	MISCELLANEOUS		00:00	00:00	0.0		
						TOTALS		00:00	00:00	0.0		
						LOST TIME:						
						MAJOR REPAIRS AND ALTERNATIONS		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 25 of 47				
CONTRACT NO. W9127820F0578		CONTRACT TITLE Maint. Dredging of the Mobile Harbor				CONTRACTOR Dutra Dredging Co.				REPORT NO. 13				
CHARACTER OF REPORT		<input checked="" type="checkbox"/> MAINTENANCE <input type="checkbox"/> NEW WORK						DATE 02/15/2021						
DREDGE Columbia - Hopper		HOPPER CAP: 4387 CY			AVG VOL OF BIN WATER: 100 CY			AVG UNFILLED CAP: 0 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 Bay		Sta 316+00 to 376+00			Mobile Aite 102-SW quadra		7,635		92,160			
CHARACTER OF MATERIAL		AVG LENGTH OF CUT			AVG WIDTH OF CUT			AVG DIST TO DUMP						
		6000 FT			400 FT			36 NM						
CHARACTER OF MATERIAL		DENSITY OF MATERIALS				1250		GMS/LITER		1250				
		DENSITY OF WATER				1006		GMS/LITER@		56 °F				
RIVER/TIDE STAGE		MIN 0.00		TIME 00:00		MAX 0.89		TIME 00:00		GAGE LOCATION USCG				
		MIN 0.33		TIME 23:00		MAX 0.00		TIME 00:00		GAGE DATUM MLLW				
WEATHER CONDITION		WEATHER Weather Caused No Delay				TEMP 38 °F / 44 °F		VISIBILITY 10 MI		WIND 25 NNW MPH				
DRAFT						DISTRIBUTION OF TIME AND MILES RUN								
LIGHT		LOADED						AGITATING (MIN)		DREDGE & HAUL (MIN)		MILES RUN (NAUT MI)		
FORWARD		8		18		EFFECTIVE WORKING TIME:								
AFT		10		15		PUMPING:		00:00		03:00		0.0		
DRAG DEPTH		MAX 0		MIN 0		TURNING:		00:00		00:00		0.0		
INDICATORS LAST CHECKED ON		02/03/2021				TO DUMP:		00:00		10:19		0.0		
AVERAGE SPEED OF DREDGE DURING LOADING		FT/MIN		0		CONNECTING:		00:00		00:00		0.0		
AVERAGE SPEED OF DREDGE DURING AGITATING		FT/MIN		0		DUMPING:		00:00		00:12		0.0		
GALLONS OF FUEL OIL CONSUMED		GAL		2,326		DISCONNECTING:		00:00		00:00		0.0		
GALLONS OF WATER CONSUMED		GAL		784		TO CUT:		00:00		10:29		0.0		
WORK PERFORMED						TOTALS:		00:00		24:00		0.0		
DREDGING AND HAULING						NON-EFFECTIVE WORKING TIME:								
NO. OF LOADS		TOTAL CYS		DISPOSAL AREA		TOTAL CYS		TAKING ON FUEL AND SUPPLIES		00:00		00:00	0.0	
4		7,635		Mobile Site 102-SW Quad		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 ALTERNATIONS		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 27 of 47			
CONTRACT NO. W9127820F0578		CONTRACT TITLE Maint. Dredging of the Mobile Harbor				CONTRACTOR Dutra Dredging Co.				REPORT NO. 14			
CHARACTER OF REPORT		<input checked="" type="checkbox"/> MAINTENANCE <input type="checkbox"/> NEW WORK						DATE 02/16/2021					
DREDGE Columbia - Hopper		HOPPER CAP: 4387 CY			AVG VOL OF BIN WATER: 100 CY			AVG UNFILLED CAP: 0 CY					
		NO. OF CREW MEMBERS		DREDGE		OTHER PLANT		WORK SCHEDULE		SHIFTS PER DAY		DAYS PER WEEK	
				13		6				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 Bay		Sta 316+00 to 376+00			Mobile Aite 102-SW quadra		10,540		102,700		
		AVG LENGTH OF CUT			AVG WIDTH OF CUT			AVG DIST TO DUMP			36 NM		
		6000 FT			400 FT								
CHARACTER OF MATERIAL		DENSITY OF MATERIALS				1250		GMS/LITER		1250			
		DENSITY OF WATER				1006		GMS/LITER@		56 °F			
RIVER/TIDE STAGE		MIN 0.13		TIME 22:00		MAX 0.58		TIME 15:00		GAGE LOCATION USCG			
		MIN 0.00		TIME 00:00		MAX 0.00		TIME 00:00		GAGE DATUM MLLW			
WEATHER CONDITION		WEATHER Weather Caused No Delay				TEMP 19 °F / 38 °F		VISIBILITY 10 MI		WIND 20 NNW MPH			
DRAFT						DISTRIBUTION OF TIME AND MILES RUN							
LIGHT		LOADED						AGITATING (MIN)		DREDGE & HAUL (MIN)		MILES RUN (NAUT MI)	
FORWARD		8		18		EFFECTIVE WORKING TIME:							
AFT		10		15		PUMPING:		00:00		02:29		0.0	
DRAG DEPTH		MAX 0		MIN 0		TURNING:		00:00		00:00		0.0	
INDICATORS LAST CHECKED ON		02/03/2021				TO DUMP:		00:00		11:48		0.0	
AVERAGE SPEED OF DREDGE DURING LOADING		FT/MIN		0		CONNECTING:		00:00		00:00		0.0	
AVERAGE SPEED OF DREDGE DURING AGITATING		FT/MIN		0		DUMPING:		00:00		00:12		0.0	
GALLONS OF FUEL OIL CONSUMED		GAL		3,186		DISCONNECTING:		00:00		00:00		0.0	
GALLONS OF WATER CONSUMED		GAL		896		TO CUT:		00:00		09:31		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
4		10,540		Mobile Site 102-SW Quad		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
ITEM		NAME OR NUMBER		H.P.		HOURS		FIRE AND BOAT DRILLS:		00:00		00:00	0.0
Crew Boat		Cape Anne		400		24:00		MISCELLANEOUS		00:00		00:00	0.0
								TOTALS		00:00		00:00	0.0
								LOST TIME:					
								MAJOR REPAIRS AND ALTERNATIONS		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 29 of 47					
CONTRACT NO. W9127820F0578		CONTRACT TITLE Maint. Dredging of the Mobile Harbor				CONTRACTOR Dutra Dredging Co.				REPORT NO. 15					
CHARACTER OF REPORT		<input checked="" type="checkbox"/> MAINTENANCE <input type="checkbox"/> NEW WORK						DATE 02/17/2021							
DREDGE Columbia - Hopper		HOPPER CAP: 4387 CY			AVG VOL OF BIN WATER: 100 CY			AVG UNFILLED CAP: 0 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 Bay		Sta 316+00 to 376+00			Mobile Aite 102-SW quadra		5,270		107,970				
CHARACTER OF MATERIAL		AVG LENGTH OF CUT			AVG WIDTH OF CUT			AVG DIST TO DUMP							
		6000 FT			400 FT			36 NM							
DENSITY OF MATERIALS		DENSITY OF MATERIALS			1250			GMS/LITER		1250					
		DENSITY OF WATER			1006			GMS/LITER@		56 °F					
RIVER/TIDE STAGE		MIN 0.00		TIME 00:00		MAX 0.00		TIME 00:00		GAGE LOCATION USCG					
		MIN 0.00		TIME 00:00		MAX 0.00		TIME 00:00		GAGE DATUM MLLW					
WEATHER CONDITION		WEATHER Weather Caused No Delay			TEMP 32 °F / 48 °F		VISIBILITY 10 MI		WIND 20 NNW MPH						
DRAFT						DISTRIBUTION OF TIME AND MILES RUN									
LIGHT		LOADED						AGITATING (MIN)		DREDGE & HAUL (MIN)		MILES RUN (NAUT MI)			
FORWARD		8		18		EFFECTIVE WORKING TIME:									
AFT		10		15		PUMPING:		00:00		00:48	0.0				
DRAG DEPTH		MAX 0		MIN 0		TURNING:		00:00		00:00	0.0				
INDICATORS LAST CHECKED ON 02/03/2021						TO DUMP:		00:00		06:02	0.0				
AVERAGE SPEED OF DREDGE DURING LOADING						FT/MIN		0		CONNECTING:		00:00	00:00	0.0	
AVERAGE SPEED OF DREDGE DURING AGITATING						FT/MIN		0		DUMPING:		00:00		00:08	0.0
GALLONS OF FUEL OIL CONSUMED						GAL		2,890		DISCONNECTING:		00:00		00:00	0.0
GALLONS OF WATER CONSUMED						GAL		560		TO CUT:		00:00		05:27	0.0
						TOTALS:		00:00		12:25	0.0	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		
3		5,270		Mobile Site 102-SW Quad		0		LOSS DUE TO TRAFFIC AND BRIDGES		00:00		00:00	0.0		
						MINOR OPERATING REPAIRS		00:00		11:35	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		
Crew Boat		Cape Anne		400		24:00		MISCELLANEOUS		00:00		00:00	0.0		
						TOTALS		00:00		11:35	0.0				
						LOST TIME:									
						MAJOR REPAIRS AND ALTERNATIONS		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 31 of 47		
CONTRACT NO. W9127820F0578		CONTRACT TITLE Maint. Dredging of the Mobile Harbor				CONTRACTOR Dutra Dredging Co.				REPORT NO. 16		
CHARACTER OF REPORT		<input checked="" type="checkbox"/> MAINTENANCE <input type="checkbox"/> NEW WORK						DATE 02/18/2021				
DREDGE Columbia - Hopper		HOPPER CAP: 4387 CY			AVG VOL OF BIN WATER: 100 CY			AVG UNFILLED CAP: 0 CY				
		NO. OF CREW MEMBERS		DREDGE		OTHER PLANT		WORK SCHEDULE		SHIFTS PER DAY		DAYS PER WEEK
				13		6				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 Bay		Sta 316+00 to 376+00				Mobile Aite 102-SW quadra		2,635	110,605	
		AVG LENGTH OF CUT			AVG WIDTH OF CUT			AVG DIST TO DUMP		36 NM		
		6000 FT			400 FT							
CHARACTER OF MATERIAL		DENSITY OF MATERIALS				1250		GMS/LITER		1250		
		DENSITY OF WATER				1006		GMS/LITER@		56 °F		
RIVER/TIDE STAGE		MIN 0.56		TIME 17:00		MAX 0.00		TIME 00:00		GAGE LOCATION USCG		
		MIN 0.00		TIME 00:00		MAX 0.00		TIME 00:00		GAGE DATUM MLLW		
WEATHER CONDITION		WEATHER Weather Caused No Delay				TEMP 29 °F / 44 °F		VISIBILITY 10 MI		WIND 18 NNW MPH		
DRAFT						DISTRIBUTION OF TIME AND MILES RUN						
LIGHT		LOADED						AGITATING (MIN)	DREDGE & HAUL (MIN)	MILES RUN (NAUT MI)		
FORWARD		8		18		EFFECTIVE WORKING TIME:						
AFT		10		15		PUMPING:		00:00	00:47	0.0		
DRAG DEPTH		MAX 0		MIN 0		TURNING:		00:00	00:00	0.0		
INDICATORS LAST CHECKED ON		02/03/2021				TO DUMP:		00:00	03:23	0.0		
AVERAGE SPEED OF DREDGE DURING LOADING		FT/MIN		0		CONNECTING:		00:00	00:00	0.0		
AVERAGE SPEED OF DREDGE DURING AGITATING		FT/MIN		0		DUMPING:		00:00	00:04	0.0		
GALLONS OF FUEL OIL CONSUMED		GAL		3,253		DISCONNECTING:		00:00	00:00	0.0		
GALLONS OF WATER CONSUMED		GAL		896		TO CUT:		00:00	03:50	0.0		
						TOTALS:		00:00	08:04	0.0		
WORK PERFORMED						NON-EFFECTIVE WORKING TIME:						
DREDGING AND HAULING				AGITATING		TAKING ON FUEL AND SUPPLIES		00:00	02:43	0.0		
NO.OF LOADS		TOTAL CYS		DISPOSAL AREA		TOTAL CYS		TO AND FROM WHARF OR ANCHORAGE:		00:00	01:28	0.0
2		2,635		Mobile Site 102-SW Quad		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	11:45	0.0
								TRANSFERRING BETWEEN WORKS		00:00	00:00	0.0
								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
Crew Boat		Cape Anne		400		24:00		MISCELLANEOUS		00:00	00:00	0.0
								TOTALS		00:00	15:56	0.0
								LOST TIME:				
								MAJOR REPAIRS AND ALTERNATIONS		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 33 of 47	
CONTRACT NO. W9127820F0578		CONTRACT TITLE Maint. Dredging of the Mobile Harbor				CONTRACTOR Dutra Dredging Co.				REPORT NO. 17	
CHARACTER OF REPORT		<input checked="" type="checkbox"/> MAINTENANCE <input type="checkbox"/> NEW WORK						DATE 02/19/2021			
DREDGE Columbia - Hopper		HOPPER CAP: 4387 CY			AVG VOL OF BIN WATER: 100 CY			AVG UNFILLED CAP: 0 CY			
		NO. OF CREW MEMBERS		DREDGE		OTHER PLANT		WORK SCHEDULE		SHIFTS PER DAY	
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 Bay		Sta 316+00 to 376+00			Mobile Aite 102-SW quadra		2,635		113,240
CHARACTER OF MATERIAL		AVG LENGTH OF CUT			AVG WIDTH OF CUT			AVG DIST TO DUMP			
		6000 FT			400 FT			36 NM			
DENSITY OF MATERIALS		DENSITY OF MATERIALS			1250			GMS/LITER		1250	
		DENSITY OF WATER			1006			GMS/LITER@		51 °F	
RIVER/TIDE STAGE		MIN -0.19		TIME 08:00		MAX 0.61		TIME 15:00		GAGE LOCATION USCG	
		MIN 0.00		TIME 00:00		MAX 0.00		TIME 00:00		GAGE DATUM MLLW	
WEATHER CONDITION		WEATHER Weather Caused No Delay			TEMP 28 °F / 44 °F		VISIBILITY 10 MI		WIND 17 NNW MPH		
DRAFT						DISTRIBUTION OF TIME AND MILES RUN					
LIGHT		LOADED				AGITATING (MIN)		DREDGE & HAUL (MIN)		MILES RUN (NAUT MI)	
FORWARD		8		18		EFFECTIVE WORKING TIME:					
AFT		10		15		PUMPING:		00:00		01:30 0.0	
DRAG DEPTH		MAX 0		MIN 0		TURNING:		00:00		00:00 0.0	
INDICATORS LAST CHECKED ON		02/03/2021				TO DUMP:		00:00		05:57 0.0	
AVERAGE SPEED OF DREDGE DURING LOADING		FT/MIN		0		CONNECTING:		00:00		00:00 0.0	
AVERAGE SPEED OF DREDGE DURING AGITATING		FT/MIN		0		DUMPING:		00:00		00:04 0.0	
GALLONS OF FUEL OIL CONSUMED		GAL		2,000		DISCONNECTING:		00:00		00:00 0.0	
GALLONS OF WATER CONSUMED		GAL		560		TO CUT:		00:00		04:22 0.0	
WORK PERFORMED						TOTALS:		00:00		11:53 0.0	
DREDGING AND HAULING						NON-EFFECTIVE WORKING TIME:					
NO. OF LOADS		TOTAL CYS		DISPOSAL AREA		TOTAL CYS		TAKING ON FUEL AND SUPPLIES			
2		2,635		Mobile Site 102-SW Quad		0		00:00		00:00 0.0	
AGITATING						TO AND FROM WHARF OR ANCHORAGE:		00:00		00:00 0.0	
LOSS DUE TO NATURAL ELEMENTS:						LOSS DUE TO NATURAL ELEMENTS:		00:00		00:00 0.0	
LOSS DUE TO TRAFFIC AND BRIDGES						LOSS DUE TO TRAFFIC AND BRIDGES		00:00		00:00 0.0	
MINOR OPERATING REPAIRS						MINOR OPERATING REPAIRS		00:00		00:00 0.0	
TRANSFERRING BETWEEN WORKS						TRANSFERRING BETWEEN WORKS		00:00		00:00 0.0	
LAY TIME:						LAY TIME:		00:00		00:00 0.0	
FIRE AND BOAT DRILLS:						FIRE AND BOAT DRILLS:		00:00		00:00 0.0	
MISCELLANEOUS						MISCELLANEOUS		00:00		12:07 0.0	
TOTALS						TOTALS		00:00		12:07 0.0	
LOST TIME:						LOST TIME:					
MAJOR REPAIRS AND ALTERNATIONS						MAJOR REPAIRS AND ALTERNATIONS		00:00		00:00 0.0	
CESSATION:						CESSATION:		00:00		00:00 0.0	
COLLISIONS:						COLLISIONS:		00:00		00:00 0.0	
TOTALS:						TOTALS:		00:00		00:00 0.0	
TOTAL TIME/MILES:						TOTAL TIME/MILES:		00:00		24:00 0.0	
ATTENDANT PLANT		ITEM		NAME OR NUMBER		H.P.		HOURS			
		Crew Boat		Cape Anne		400		24:00			

QUALITY CONTROL REPORT-HOPPER DREDGE										PAGE NO. Page 35 of 47				
CONTRACT NO. W9127820F0578		CONTRACT TITLE Maint. Dredging of the Mobile Harbor				CONTRACTOR Dutra Dredging Co.				REPORT NO. 18				
CHARACTER OF REPORT		<input checked="" type="checkbox"/> MAINTENANCE <input type="checkbox"/> NEW WORK						DATE 02/20/2021						
DREDGE Columbia - Hopper		HOPPER CAP: 4387 CY			AVG VOL OF BIN WATER: 100 CY			AVG UNFILLED CAP: 0 CY						
		NO. OF CREW MEMBERS		DREDGE		OTHER PLANT		WORK SCHEDULE		SHIFTS PER DAY		DAYS PER WEEK		
		13		6						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 Bay		Sta 316+00 to 376+00			Mobile Aite 102-SW quadra		7,905		121,145			
		AVG LENGTH OF CUT 6000 FT			AVG WIDTH OF CUT 400 FT			AVG DIST TO DUMP 36 NM						
CHARACTER OF MATERIAL		DENSITY OF MATERIALS				1250		GMS/LITER		1250				
		DENSITY OF WATER				1006		GMS/LITER@		51 °F				
RIVER/TIDE STAGE		MIN 0.63		TIME 13:00		MAX 1.02		TIME 20:00		GAGE LOCATION USCG				
		MIN 0.00		TIME 00:00		MAX 0.00		TIME 00:00		GAGE DATUM MLLW				
WEATHER CONDITION		WEATHER Weather Caused No Delay				TEMP 31 °F / 54 °F		VISIBILITY 10 MI		WIND 11 NNW MPH				
DRAFT						DISTRIBUTION OF TIME AND MILES RUN								
LIGHT		LOADED						AGITATING (MIN)		DREDGE & HAUL (MIN)		MILES RUN (NAUT MI)		
FORWARD		8		18		EFFECTIVE WORKING TIME:								
AFT		10		15		PUMPING:		00:00		02:15		0.0		
DRAG DEPTH		MAX 0		MIN 0		TURNING:		00:00		00:00		0.0		
INDICATORS LAST CHECKED ON		02/03/2021				TO DUMP:		00:00		10:57		0.0		
AVERAGE SPEED OF DREDGE DURING LOADING		FT/MIN		0		CONNECTING:		00:00		00:00		0.0		
AVERAGE SPEED OF DREDGE DURING AGITATING		FT/MIN		0		DUMPING:		00:00		00:13		0.0		
GALLONS OF FUEL OIL CONSUMED		GAL		2,901		DISCONNECTING:		00:00		00:00		0.0		
GALLONS OF WATER CONSUMED		GAL		336		TO CUT:		00:00		09:34		0.0		
						TOTALS:		00:00		22:59		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 Site 102-SW Quad		0		LOSS DUE TO NATURAL ELEMENTS:		00:00		00:00		0.0
								LOSS DUE TO TRAFFIC AND BRIDGES		00:00		01:01		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
ITEM		NAME OR NUMBER		H.P.		HOURS		FIRE AND BOAT DRILLS:		00:00		00:00		0.0
Crew Boat		Cape Anne		400		24:00		MISCELLANEOUS		00:00		00:00		0.0
								TOTALS		00:00		01:01		0.0
								LOST TIME:						
								MAJOR REPAIRS AND ALTERNATIONS		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 37 of 47	
CONTRACT NO. W9127820F0019 W9127820F0578		CONTRACT TITLE Maint. Dredging of the Mobile Harbor				CONTRACTOR Dutra Dredging Co.				REPORT NO. 19	
CHARACTER OF REPORT		<input checked="" type="checkbox"/> MAINTENANCE <input type="checkbox"/> NEW WORK						DATE 02/21/2021			
DREDGE Columbia - Hopper		HOPPER CAP: 4387 CY			AVG VOL OF BIN WATER: 100 CY			AVG UNFILLED CAP: 0 CY			
		NO. OF CREW MEMBERS		DREDGE		OTHER PLANT		WORK SCHEDULE		SHIFTS PER DAY	
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 Bay		Sta 316+00 to 376+00			Mobile Aite 102-SW quadra		7,905		129,050
CHARACTER OF MATERIAL		AVG LENGTH OF CUT			AVG WIDTH OF CUT			AVG DIST TO DUMP			
		6000 FT			400 FT			36 NM			
DENSITY OF MATERIALS		DENSITY OF MATERIALS			1250			GMS/LITER		1250	
		DENSITY OF WATER			1006			GMS/LITER@		51 °F	
RIVER/TIDE STAGE		MIN 0.36		TIME 04:00		MAX 1.47		TIME 17:00		GAGE LOCATION USCG	
		MIN 0.00		TIME 00:00		MAX 0.00		TIME 00:00		GAGE DATUM MLLW	
WEATHER CONDITION		WEATHER Weather Caused No Delay			TEMP 31 °F / 64 °F		VISIBILITY 10 MI		WIND 18 SE MPH		
DRAFT						DISTRIBUTION OF TIME AND MILES RUN					
LIGHT		LOADED				AGITATING (MIN)		DREDGE & HAUL (MIN)		MILES RUN (NAUT MI)	
FORWARD		8		18		EFFECTIVE WORKING TIME:					
AFT		10		15		PUMPING:		00:00		01:30 0.0	
DRAG DEPTH		MAX 0		MIN 0		TURNING:		00:00		00:00 0.0	
INDICATORS LAST CHECKED ON		02/03/2021				TO DUMP:		00:00		07:05 0.0	
AVERAGE SPEED OF DREDGE DURING LOADING		FT/MIN		0		CONNECTING:		00:00		00:00 0.0	
AVERAGE SPEED OF DREDGE DURING AGITATING		FT/MIN		0		DUMPING:		00:00		00:12 0.0	
GALLONS OF FUEL OIL CONSUMED		GAL		2,406		DISCONNECTING:		00:00		00:00 0.0	
GALLONS OF WATER CONSUMED		GAL		1,008		TO CUT:		00:00		09:14 0.0	
WORK PERFORMED						TOTALS:		00:00		18:01 0.0	
DREDGING AND HAULING						NON-EFFECTIVE WORKING TIME:					
NO. OF LOADS		TOTAL CYS		DISPOSAL AREA		TOTAL CYS		TAKING ON FUEL AND SUPPLIES			
4		7,905		Mobile Site 102-SW Quad		0		00:00		00:00 0.0	
AGITATING						TO AND FROM WHARF OR ANCHORAGE:		00:00		00:00 0.0	
LOSS DUE TO NATURAL ELEMENTS:						LOSS DUE TO TRAFFIC AND BRIDGES		00:00		00:10 0.0	
MINOR OPERATING REPAIRS						TRANSFERRING BETWEEN WORKS		00:00		05:49 0.0	
LAY TIME:						LAY TIME:		00:00		00:00 0.0	
FIRE AND BOAT DRILLS:						FIRE AND BOAT DRILLS:		00:00		00:00 0.0	
MISCELLANEOUS						MISCELLANEOUS		00:00		00:00 0.0	
TOTALS						TOTALS		00:00		05:59 0.0	
LOST TIME:						MAJOR REPAIRS AND ALTERNATIONS		00:00		00:00 0.0	
CESSATION:						CESSATION:		00:00		00:00 0.0	
COLLISIONS:						COLLISIONS:		00:00		00:00 0.0	
TOTALS:						TOTALS:		00:00		00:00 0.0	
TOTAL TIME/MILES:						TOTAL TIME/MILES:		00:00		24:00 0.0	

QUALITY CONTROL REPORT-HOPPER DREDGE										PAGE NO. Page 39 of 47		
CONTRACT NO. W9127820F0578		CONTRACT TITLE Maint. Dredging of the Mobile Harbor				CONTRACTOR Dutra Dredging Co.				REPORT NO. 20		
CHARACTER OF REPORT		<input checked="" type="checkbox"/> MAINTENANCE <input type="checkbox"/> NEW WORK						DATE 02/22/2021				
DREDGE Columbia - Hopper		HOPPER CAP: 4387 CY			AVG VOL OF BIN WATER: 100 CY			AVG UNFILLED CAP: 0 CY				
		NO. OF CREW MEMBERS		DREDGE		OTHER PLANT		WORK SCHEDULE		SHIFTS PER DAY		DAYS PER WEEK
				13		6				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 Bay		Sta 316+00 to 376+00				Mobile Aite 102-SW quadra		7,905	136,955	
		AVG LENGTH OF CUT			AVG WIDTH OF CUT			AVG DIST TO DUMP		36 NM		
		6000 FT			400 FT							
CHARACTER OF MATERIAL		DENSITY OF MATERIALS				1250		GMS/LITER		1250		
		DENSITY OF WATER				1006		GMS/LITER@		51 °F		
RIVER/TIDE STAGE		MIN 0.44		TIME 09:00		MAX 1.97		TIME 17:00		GAGE LOCATION USCG		
		MIN 0.00		TIME 00:00		MAX 0.00		TIME 00:00		GAGE DATUM MLLW		
WEATHER CONDITION		WEATHER Weather Caused No Delay				TEMP 34 °F / 68 °F		VISIBILITY 10 MI		WIND 11 SE MPH		
DRAFT						DISTRIBUTION OF TIME AND MILES RUN						
LIGHT		LOADED						AGITATING (MIN)	DREDGE & HAUL (MIN)	MILES RUN (NAUT MI)		
FORWARD		8		18		EFFECTIVE WORKING TIME:						
AFT		10		15		PUMPING:		00:00	02:16	0.0		
DRAG DEPTH		MAX 0		MIN 0		TURNING:		00:00	00:00	0.0		
INDICATORS LAST CHECKED ON		02/03/2021				TO DUMP:		00:00	10:39	0.0		
AVERAGE SPEED OF DREDGE DURING LOADING		FT/MIN		0		CONNECTING:		00:00	00:00	0.0		
AVERAGE SPEED OF DREDGE DURING AGITATING		FT/MIN		0		DUMPING:		00:00	00:12	0.0		
GALLONS OF FUEL OIL CONSUMED		GAL		3,027		DISCONNECTING:		00:00	00:00	0.0		
GALLONS OF WATER CONSUMED		GAL		784		TO CUT:		00:00	10:53	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:		0.0		
4		7,905		Mobile Site 102-SW Quad		0		LOSS DUE TO NATURAL ELEMENTS:		0.0		
								LOSS DUE TO TRAFFIC AND BRIDGES		0.0		
								MINOR OPERATING REPAIRS		0.0		
								TRANSFERRING BETWEEN WORKS		0.0		
								LAY TIME:		0.0		
ITEM		NAME OR NUMBER		H.P.	HOURS	FIRE AND BOAT DRILLS:		00:00	00:00	0.0		
Crew Boat		Cape Anne		400	24:00	MISCELLANEOUS		00:00	00:00	0.0		
						TOTALS		00:00	00:00	0.0		
						LOST TIME:						
						MAJOR REPAIRS AND ALTERNATIONS		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 41 of 47				
CONTRACT NO. W9127820F0578		CONTRACT TITLE Maint. Dredging of the Mobile Harbor				CONTRACTOR Dutra Dredging Co.				REPORT NO. 21				
CHARACTER OF REPORT		<input checked="" type="checkbox"/> MAINTENANCE <input type="checkbox"/> NEW WORK						DATE 02/23/2021						
DREDGE Columbia - Hopper		HOPPER CAP: 4387 CY			AVG VOL OF BIN WATER: 100 CY			AVG UNFILLED CAP: 0 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 Bay		Sta 316+00 to 376+00			Mobile Aite 102-SW quadra		7,905		144,860			
CHARACTER OF MATERIAL		AVG LENGTH OF CUT			AVG WIDTH OF CUT			AVG DIST TO DUMP						
		6000 FT			400 FT			36 NM						
DENSITY OF MATERIALS		DENSITY OF MATERIALS			1250			GMS/LITER		1250				
		DENSITY OF WATER			1006			GMS/LITER@		52 °F				
RIVER/TIDE STAGE		MIN 0.44		TIME 09:00		MAX 1.97		TIME 17:00		GAGE LOCATION USCG				
		MIN 0.00		TIME 00:00		MAX 0.00		TIME 00:00		GAGE DATUM MLLW				
WEATHER CONDITION		WEATHER Weather Caused No Delay			TEMP 52 °F / 63 °F		VISIBILITY 10 MI		WIND 10/SW MPH					
DRAFT						DISTRIBUTION OF TIME AND MILES RUN								
LIGHT		LOADED						AGITATING (MIN)		DREDGE & HAUL (MIN)		MILES RUN (NAUT MI)		
FORWARD		8		18		EFFECTIVE WORKING TIME:								
AFT		10		15		PUMPING:		00:00		02:15		0.0		
DRAG DEPTH		MAX 0		MIN 0		TURNING:		00:00		00:00		0.0		
INDICATORS LAST CHECKED ON		02/03/2021				TO DUMP:		00:00		10:36		0.0		
AVERAGE SPEED OF DREDGE DURING LOADING		FT/MIN		0		CONNECTING:		00:00		00:00		0.0		
AVERAGE SPEED OF DREDGE DURING AGITATING		FT/MIN		0		DUMPING:		00:00		00:12		0.0		
GALLONS OF FUEL OIL CONSUMED		GAL		2,916		DISCONNECTING:		00:00		00:00		0.0		
GALLONS OF WATER CONSUMED		GAL		784		TO CUT:		00:00		10:57		0.0		
WORK PERFORMED						TOTALS:		00:00		24:00		0.0		
DREDGING AND HAULING						NON-EFFECTIVE WORKING TIME:								
NO. OF LOADS		TOTAL CYS		DISPOSAL AREA		TOTAL CYS		TAKING ON FUEL AND SUPPLIES		00:00		00:00	0.0	
4		7,905		Mobile Site 102-SW Quad		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 ALTERNATIONS		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 43 of 47			
CONTRACT NO. W9127820F0578		CONTRACT TITLE Maint. Dredging of the Mobile Harbor				CONTRACTOR Dutra Dredging Co.				REPORT NO. 22			
CHARACTER OF REPORT		<input checked="" type="checkbox"/> MAINTENANCE <input type="checkbox"/> NEW WORK						DATE 02/24/2021					
DREDGE Columbia - Hopper		HOPPER CAP: 4387 CY			AVG VOL OF BIN WATER: 100 CY			AVG UNFILLED CAP: 0 CY					
		NO. OF CREW MEMBERS		DREDGE		OTHER PLANT		WORK SCHEDULE		SHIFTS PER DAY		DAYS PER WEEK	
				13		6				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 Bay		Sta 316+00 to 376+00				Mobile Aite 102-SW quadra		7,905		152,765	
		AVG LENGTH OF CUT			AVG WIDTH OF CUT			AVG DIST TO DUMP			36 NM		
		6000 FT			400 FT								
CHARACTER OF MATERIAL		DENSITY OF MATERIALS				1250		GMS/LITER		1250			
		DENSITY OF WATER				1006		GMS/LITER@		52 °F			
RIVER/TIDE STAGE		MIN 0.04		TIME 00:00		MAX 1.80		TIME 08:00		GAGE LOCATION USCG			
		MIN 0.00		TIME 00:00		MAX 0.00		TIME 00:00		GAGE DATUM MLLW			
WEATHER CONDITION		WEATHER Weather Caused No Delay				TEMP 38 °F / 72 °F		VISIBILITY 10 MI		WIND 5/SW MPH			
DRAFT						DISTRIBUTION OF TIME AND MILES RUN							
		LIGHT		LOADED				AGITATING (MIN)		DREDGE & HAUL (MIN)		MILES RUN (NAUT MI)	
FORWARD		8		18		EFFECTIVE WORKING TIME:							
AFT		10		15		PUMPING:		00:00		02:11		0.0	
DRAG DEPTH		MAX 0		MIN 0		TURNING:		00:00		00:05		0.0	
INDICATORS LAST CHECKED ON		02/03/2021				TO DUMP:		00:00		10:31		0.0	
						CONNECTING:		00:00		00:00		0.0	
AVERAGE SPEED OF DREDGE DURING LOADING		FT/MIN		0		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		3,716		TO CUT:		00:00		10:15		0.0	
GALLONS OF WATER CONSUMED		GAL		896		TOTALS:		00:00		23:46		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 Site 102-SW Quad		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		00:14	0.0
								TRANSFERRING BETWEEN WORKS		00:00		00:00	0.0
								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
Crew Boat		Cape Anne		400		24:00		MISCELLANEOUS		00:00		00:00	0.0
								TOTALS		00:00		00:14	0.0
								LOST TIME:					
								MAJOR REPAIRS AND ALTERNATIONS		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 47	
CONTRACT NO. W9127820F0019 W9127820F0578	CONTRACT TITLE Maint. Dredging of the Mobile Harbor	CONTRACTOR Dutra Dredging Co.		REPORT NO. 22
DREDGE	NAME AND TYPE Columbia - Hopper			DATE 02/24/2021

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. 316+00 to 376+00	00:00	45	206	305
	Mobile Site 102-SW Quad	00:50	5	20 29	2,635 0
2	Sta. 316+00 to 376+00	05:05	45	211	485
	Mobile Site 102-SW Quad	05:50	0	20 209	2,635 0
3	Sta. 316+00 to 376+00	13:24	41	214	482
	Mobile Site 102-SW Quad	14:05	0	4 223	2,635 0
4	Sta. 316+00 to 376+00	21:26	0	0	154
	Mobile Site 102-SW Quad	21:26	0	0 154	0 0

QC NARRATIVE(S)

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

QUALITY CONTROL REPORT-HOPPER DREDGE										PAGE NO. Page 45 of 47			
CONTRACT NO. W9127820F0578		CONTRACT TITLE Maint. Dredging of the Mobile Harbor				CONTRACTOR Dutra Dredging Co.				REPORT NO. 23			
CHARACTER OF REPORT		<input checked="" type="checkbox"/> MAINTENANCE <input type="checkbox"/> NEW WORK						DATE 02/25/2021					
DREDGE Columbia - Hopper		HOPPER CAP: 4387 CY			AVG VOL OF BIN WATER: 100 CY			AVG UNFILLED CAP: 0 CY					
		NO. OF CREW MEMBERS		DREDGE		OTHER PLANT		WORK SCHEDULE		SHIFTS PER DAY		DAYS PER WEEK	
				13		6				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 Bay		Sta 316+00 to 376+00 and 436+00 to 496+00				Mobile Aite 102-SW quadra		7,905		160,670	
		AVG LENGTH OF CUT			AVG WIDTH OF CUT			AVG DIST TO DUMP		36 NM			
		6000 FT			400 FT								
CHARACTER OF MATERIAL		DENSITY OF MATERIALS				1250		GMS/LITER		1250			
		DENSITY OF WATER				1006		GMS/LITER@		52 °F			
RIVER/TIDE STAGE		MIN 0.04		TIME 00:00		MAX 1.80		TIME 08:00		GAGE LOCATION USCG			
		MIN 0.00		TIME 00:00		MAX 0.00		TIME 00:00		GAGE DATUM MLLW			
WEATHER CONDITION		WEATHER Weather Caused No Delay				TEMP 60 °F / 66 °F		VISIBILITY 10 MI		WIND 10/SW MPH			
DRAFT						DISTRIBUTION OF TIME AND MILES RUN							
LIGHT		LOADED						AGITATING (MIN)		DREDGE & HAUL (MIN)		MILES RUN (NAUT MI)	
FORWARD		8		18		EFFECTIVE WORKING TIME:							
AFT		10		15		PUMPING:		00:00		02:47		0.0	
DRAG DEPTH		MAX 0		MIN 0		TURNING:		00:00		00:08		0.0	
INDICATORS LAST CHECKED ON		02/03/2021				TO DUMP:		00:00		10:37		0.0	
AVERAGE SPEED OF DREDGE DURING LOADING		FT/MIN		0		CONNECTING:		00:00		00:00		0.0	
AVERAGE SPEED OF DREDGE DURING AGITATING		FT/MIN		0		DUMPING:		00:00		00:12		0.0	
GALLONS OF FUEL OIL CONSUMED		GAL		1,815		DISCONNECTING:		00:00		00:00		0.0	
GALLONS OF WATER CONSUMED		GAL		896		TO CUT:		00:00		10:16		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
4		7,905		Mobile Site 102-SW Quad		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
ITEM		NAME OR NUMBER		H.P.		HOURS		FIRE AND BOAT DRILLS:		00:00		00:00	0.0
Crew Boat		Cape Anne		400		24:00		MISCELLANEOUS		00:00		00:00	0.0
								TOTALS		00:00		00:00	0.0
								LOST TIME:					
								MAJOR REPAIRS AND ALTERNATIONS		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

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CONTRACT NO.
W9127820F0578

CONTRACT TITLE
Maint. Dredging of the Mobile Harbor

CONTRACTOR
Dutra Dredging Co.

REPORT NO.

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