

QUALITY CONTROL REPORT-HOPPER DREDGE										PAGE NO. Page 1 of 377			
CONTRACT NO. W9127820F0001 W9127820F0032		CONTRACT TITLE IDIQ Hopper Dredge for Mobile Harbor				CONTRACTOR Dutra Dredging Co.				REPORT NO. 19			
CHARACTER OF REPORT		<input checked="" type="checkbox"/> MAINTENANCE <input type="checkbox"/> NEW WORK						DATE 12/20/2019					
DREDGE Columbia Hopper Dredge		HOPPER CAP: 4387 CY		AVG VOL OF BIN WATER: 0 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)					
		Mobilization					0	0					
		AVG LENGTH OF CUT 0 FT		AVG WIDTH OF CUT 0 FT		AVG DIST TO DUMP 0 NM							
CHARACTER OF MATERIAL		DENSITY OF MATERIALS				0		GMS/LITER		0			
		DENSITY OF WATER				0		GMS/LITER@		0 °F			
RIVER/TIDE STAGE		MIN 0.00	TIME 00:00	MAX 0.00	TIME 00:00	GAGE LOCATION							
		MIN 0.00	TIME 00:00	MAX 0.00	TIME 00:00	GAGE DATUM							
WEATHER CONDITION		WEATHER Weather Not Entered			TEMP 0 °F / 0 °F		VISIBILITY MI	WIND MPH					
DRAFT					DISTRIBUTION OF TIME AND MILES RUN								
	LIGHT		LOADED			AGITATING (MIN)	DREDGE & HAUL (MIN)	MILES RUN (NAUT MI)					
FORWARD	0		0		EFFECTIVE WORKING TIME:								
AFT	0		0		PUMPING:	00:00	00:00	0.0					
DRAG DEPTH	MAX 0	MIN 0	TURNING:								00:00	00:00	0.0
INDICATORS LAST CHECKED ON					TO DUMP:	00:00	00:00	0.0					
					CONNECTING:	00:00	00:00	0.0					
AVERAGE SPEED OF DREDGE DURING LOADING			FT/MIN	0	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	0	TO CUT:	00:00	00:00	0.0					
GALLONS OF WATER CONSUMED			GAL	0	TOTALS:	00:00	00:00	0.0					
WORK PERFORMED					NON-EFFECTIVE WORKING TIME:								
					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					
					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					
					MISCELLANEOUS	00:00	24:00	0.0					
					TOTALS	00:00	24:00	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					

<b>QUALITY CONTROL REPORT-HOPPER DREDGE</b>			<b>PAGE NO.</b> Page 2 of 377
<b>CONTRACT NO.</b> W9127820F0032	<b>CONTRACT TITLE</b> IDIQ Hopper Dredge for Mobile Harbor	<b>CONTRACTOR</b> Dutra Dredging Co.	<b>REPORT NO.</b> 1
<b>DREDGE</b>	<b>NAME AND TYPE</b> Columbia Hopper Dredge	<b>DATE</b> 12/20/2019	

**QC NARRATIVE(S)**

**GENERAL COMMENTS**

Dredge Planning to Start on 12-25-2019

<b>CONTRACTOR CERTIFICATION</b>	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.		
<b>QC REPRESENTATIVE'S SIGNATURE</b>	<b>DATE</b>	<b>SUPERINTENDENT'S INITIALS</b>	<b>DATE</b>

QUALITY CONTROL REPORT-HOPPER DREDGE										PAGE NO. Page 3 of 377		
CONTRACT NO. W9127820F0001 W9127820F0032		CONTRACT TITLE IDIQ Hopper Dredge for Mobile Harbor				CONTRACTOR Dutra Dredging Co.				REPORT NO. 2		
CHARACTER OF REPORT		<input checked="" type="checkbox"/> MAINTENANCE <input type="checkbox"/> NEW WORK						DATE 12/21/2019				
DREDGE Columbia Hopper Dredge		HOPPER CAP: 4387 CY			AVG VOL OF BIN WATER: 0 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)
		Mobilization								0		0
		AVG LENGTH OF CUT 0 FT			AVG WIDTH OF CUT 0 FT			AVG DIST TO DUMP 0 NM				
CHARACTER OF MATERIAL		DENSITY OF MATERIALS				0		GMS/LITER		0		
		DENSITY OF WATER				0		GMS/LITER@		0 °F		
RIVER/TIDE STAGE		MIN 0.00		TIME 00:00		MAX 0.00		TIME 00:00		GAGE LOCATION		
		MIN 0.00		TIME 00:00		MAX 0.00		TIME 00:00		GAGE DATUM		
WEATHER CONDITION		WEATHER Weather Not Entered				TEMP 0 °F / 0 °F		VISIBILITY MI		WIND MPH		
DRAFT						DISTRIBUTION OF TIME AND MILES RUN						
		LIGHT		LOADED				AGITATING (MIN)		DREDGE & HAUL (MIN)		MILES RUN (NAUT MI)
FORWARD		0		0		EFFECTIVE WORKING TIME:						
AFT		0		0		PUMPING:		00:00		00:00		0.0
DRAG DEPTH		MAX 0		MIN 0		TURNING:		00:00		00:00		0.0
INDICATORS LAST CHECKED ON						TO DUMP:		00:00		00:00		0.0
						CONNECTING:		00:00		00:00		0.0
AVERAGE SPEED OF DREDGE DURING LOADING				FT/MIN		0		DUMPING:		00:00		0.0
AVERAGE SPEED OF DREDGE DURING AGITATING				FT/MIN		0		DISCONNECTING:		00:00		0.0
GALLONS OF FUEL OIL CONSUMED				GAL		0		TO CUT:		00:00		0.0
GALLONS OF WATER CONSUMED				GAL		0		TOTALS:		00:00		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		0.0
								LOSS DUE TO TRAFFIC AND BRIDGES		00:00		0.0
								MINOR OPERATING REPAIRS		00:00		0.0
								TRANSFERRING BETWEEN WORKS		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		0.0
								MISCELLANEOUS		00:00		24:00
								TOTALS		00:00		24:00
LOST TIME:												
								MAJOR REPAIRS AND ALTERNATIONS		00:00		00:00
								CESSATION:		00:00		00:00
								COLLISIONS:		00:00		00:00
								TOTALS:		00:00		00:00
								TOTAL TIME/MILES:		00:00		24:00

<b>QUALITY CONTROL REPORT-HOPPER DREDGE</b>			<b>PAGE NO.</b> Page 4 of 377
<b>CONTRACT NO.</b> W9127820F0032	<b>CONTRACT TITLE</b> IDIQ Hopper Dredge for Mobile Harbor	<b>CONTRACTOR</b> Dutra Dredging Co.	<b>REPORT NO.</b> 2
<b>DREDGE</b>	<b>NAME AND TYPE</b> Columbia Hopper Dredge	<b>DATE</b> 12/21/2019	

**QC NARRATIVE(S)**

**GENERAL COMMENTS**

Dredge Planning to Start on 12-25-2019

<b>CONTRACTOR CERTIFICATION</b>	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.		
<b>QC REPRESENTATIVE'S SIGNATURE</b>	<b>DATE</b>	<b>SUPERINTENDENT'S INITIALS</b>	<b>DATE</b>

QUALITY CONTROL REPORT-HOPPER DREDGE										PAGE NO. Page 5 of 377		
CONTRACT NO. W9127820F0032		CONTRACT TITLE IDIQ Hopper Dredge for Mobile Harbor				CONTRACTOR Dutra Dredging Co.				REPORT NO. 3		
CHARACTER OF REPORT		<input checked="" type="checkbox"/> MAINTENANCE <input type="checkbox"/> NEW WORK						DATE 12/22/2019				
DREDGE Columbia Hopper Dredge		HOPPER CAP: 4387 CY			AVG VOL OF BIN WATER: 0 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)
		Mobilization								0		0
		AVG LENGTH OF CUT 0 FT			AVG WIDTH OF CUT 0 FT			AVG DIST TO DUMP 0 NM				
CHARACTER OF MATERIAL		DENSITY OF MATERIALS				0		GMS/LITER		0		
		DENSITY OF WATER				0		GMS/LITER@		0 °F		
RIVER/TIDE STAGE		MIN 0.00		TIME 00:00		MAX 0.00		TIME 00:00		GAGE LOCATION		
		MIN 0.00		TIME 00:00		MAX 0.00		TIME 00:00		GAGE DATUM		
WEATHER CONDITION		WEATHER Weather Not Entered				TEMP 0 °F / 0 °F		VISIBILITY MI		WIND MPH		
DRAFT						DISTRIBUTION OF TIME AND MILES RUN						
		LIGHT		LOADED				AGITATING (MIN)		DREDGE & HAUL (MIN)		MILES RUN (NAUT MI)
FORWARD		0		0		EFFECTIVE WORKING TIME:						
AFT		0		0		PUMPING:		00:00		00:00		0.0
DRAG DEPTH		MAX 0		MIN 0		TURNING:		00:00		00:00		0.0
INDICATORS LAST CHECKED ON						TO DUMP:		00:00		00:00		0.0
						CONNECTING:		00:00		00:00		0.0
AVERAGE SPEED OF DREDGE DURING LOADING				FT/MIN		0		DUMPING:		00:00		0.0
AVERAGE SPEED OF DREDGE DURING AGITATING				FT/MIN		0		DISCONNECTING:		00:00		0.0
GALLONS OF FUEL OIL CONSUMED				GAL		0		TO CUT:		00:00		0.0
GALLONS OF WATER CONSUMED				GAL		0		TOTALS:		00:00		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		0.0
								LOSS DUE TO TRAFFIC AND BRIDGES		00:00		0.0
								MINOR OPERATING REPAIRS		00:00		0.0
								TRANSFERRING BETWEEN WORKS		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		0.0
								MISCELLANEOUS		00:00		24:00
								TOTALS		00:00		24:00
LOST TIME:												
								MAJOR REPAIRS AND ALTERNATIONS		00:00		00:00
								CESSATION:		00:00		00:00
								COLLISIONS:		00:00		00:00
								TOTALS:		00:00		00:00
								TOTAL TIME/MILES:		00:00		24:00

<b>QUALITY CONTROL REPORT-HOPPER DREDGE</b>			<b>PAGE NO.</b> Page 6 of 377
<b>CONTRACT NO.</b> W9127820F0032	<b>CONTRACT TITLE</b> IDIQ Hopper Dredge for Mobile Harbor	<b>CONTRACTOR</b> Dutra Dredging Co.	<b>REPORT NO.</b> 3
<b>DREDGE</b>	<b>NAME AND TYPE</b> Columbia Hopper Dredge	<b>DATE</b> 12/22/2019	

**QC NARRATIVE(S)**

**GENERAL COMMENTS**

Dredge Planning to Start on 12-25-2019

<b>CONTRACTOR CERTIFICATION</b>	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.		
<b>QC REPRESENTATIVE'S SIGNATURE</b>	<b>DATE</b>	<b>SUPERINTENDENT'S INITIALS</b>	<b>DATE</b>

QUALITY CONTROL REPORT-HOPPER DREDGE										PAGE NO. Page 7 of 377			
CONTRACT NO. W9127820F0001 W9127820F0032		CONTRACT TITLE IDIQ Hopper Dredge for Mobile Harbor				CONTRACTOR Dutra Dredging Co.				REPORT NO. 4			
CHARACTER OF REPORT		<input checked="" type="checkbox"/> MAINTENANCE <input type="checkbox"/> NEW WORK						DATE 12/23/2019					
DREDGE Columbia Hopper Dredge		HOPPER CAP: 4387 CY			AVG VOL OF BIN WATER: 0 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)	
		Mobilization								0		0	
		AVG LENGTH OF CUT			0 FT			AVG WIDTH OF CUT		0 FT			
		AVG DIST TO DUMP									0 NM		
CHARACTER OF MATERIAL		DENSITY OF MATERIALS						0		GMS/LITER		0	
		DENSITY OF WATER						0		GMS/LITER@		0 °F	
RIVER/TIDE STAGE		MIN 0.00		TIME 00:00		MAX 0.00		TIME 00:00		GAGE LOCATION			
		MIN 0.00		TIME 00:00		MAX 0.00		TIME 00:00		GAGE DATUM			
WEATHER CONDITION		WEATHER Weather Not Entered				TEMP 0 °F / 0 °F		VISIBILITY MI		WIND MPH			
DRAFT						DISTRIBUTION OF TIME AND MILES RUN							
		LIGHT		LOADED				AGITATING (MIN)		DREDGE & HAUL (MIN)		MILES RUN (NAUT MI)	
FORWARD		0		0		EFFECTIVE WORKING TIME:							
AFT		0		0		PUMPING:		00:00		00:00		0.0	
DRAG DEPTH		MAX 0		MIN 0		TURNING:		00:00		00:00		0.0	
INDICATORS LAST CHECKED ON						TO DUMP:		00:00		00:00		0.0	
						CONNECTING:		00:00		00:00		0.0	
AVERAGE SPEED OF DREDGE DURING LOADING		FT/MIN		0		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		0		TO CUT:		00:00		00:00		0.0	
GALLONS OF WATER CONSUMED		GAL		0		TOTALS:		00:00		00:00		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
								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
								MISCELLANEOUS		00:00		24:00	0.0
								TOTALS		00:00		24:00	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

<b>QUALITY CONTROL REPORT-HOPPER DREDGE</b>			<b>PAGE NO.</b> Page 8 of 377
<b>CONTRACT NO.</b> W9127820F0032	<b>CONTRACT TITLE</b> IDIQ Hopper Dredge for Mobile Harbor	<b>CONTRACTOR</b> Dutra Dredging Co.	<b>REPORT NO.</b> 4
<b>DREDGE</b>	<b>NAME AND TYPE</b> Columbia Hopper Dredge	<b>DATE</b> 12/23/2019	

**QC NARRATIVE(S)**

**GENERAL COMMENTS**

Dredge Planning to Start on 12-25-2019

<b>CONTRACTOR CERTIFICATION</b>	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.		
<b>QC REPRESENTATIVE'S SIGNATURE</b>	<b>DATE</b>	<b>SUPERINTENDENT'S INITIALS</b>	<b>DATE</b>



QUALITY CONTROL REPORT-HOPPER DREDGE										PAGE NO. Page 9 of 377		
CONTRACT NO. W9127820F0032		CONTRACT TITLE IDIQ Hopper Dredge for Mobile Harbor				CONTRACTOR Dutra Dredging Co.				REPORT NO. 5		
CHARACTER OF REPORT		<input checked="" type="checkbox"/> MAINTENANCE <input type="checkbox"/> NEW WORK						DATE 12/24/2019				
DREDGE Columbia Hopper Dredge		HOPPER CAP: 4387 CY			AVG VOL OF BIN WATER: 0 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)	
		Mobilization								0	0	
		AVG LENGTH OF CUT 0 FT			AVG WIDTH OF CUT 0 FT			AVG DIST TO DUMP 0 NM				
CHARACTER OF MATERIAL		DENSITY OF MATERIALS				0		GMS/LITER		0		
		DENSITY OF WATER				0		GMS/LITER@		0 °F		
RIVER/TIDE STAGE		MIN 0.00		TIME 00:00		MAX 0.00		TIME 00:00		GAGE LOCATION		
		MIN 0.00		TIME 00:00		MAX 0.00		TIME 00:00		GAGE DATUM		
WEATHER CONDITION		WEATHER Weather Not Entered				TEMP 0 °F / 0 °F		VISIBILITY MI		WIND MPH		
DRAFT						DISTRIBUTION OF TIME AND MILES RUN						
		LIGHT		LOADED				AGITATING (MIN)	DREDGE & HAUL (MIN)	MILES RUN (NAUT MI)		
FORWARD		0		0		EFFECTIVE WORKING TIME:						
AFT		0		0		PUMPING:		00:00	00:00	0.0		
DRAG DEPTH		MAX 0		MIN 0		TURNING:		00:00	00:00	0.0		
INDICATORS LAST CHECKED ON						TO DUMP:		00:00	00:00	0.0		
						CONNECTING:		00:00	00:00	0.0		
AVERAGE SPEED OF DREDGE DURING LOADING				FT/MIN		0		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		0		TO CUT:		00:00	00:00	0.0
GALLONS OF WATER CONSUMED				GAL		0		TOTALS:		00:00	00:00	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		
						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		
						MISCELLANEOUS		00:00	24:00	0.0		
						TOTALS		00:00	24:00	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		

<b>QUALITY CONTROL REPORT-HOPPER DREDGE</b>			<b>PAGE NO.</b> Page 10 of 377
<b>CONTRACT NO.</b> W9127820F0032	<b>CONTRACT TITLE</b> IDIQ Hopper Dredge for Mobile Harbor	<b>CONTRACTOR</b> Dutra Dredging Co.	<b>REPORT NO.</b> 5
<b>DREDGE</b>	<b>NAME AND TYPE</b> Columbia Hopper Dredge	<b>DATE</b> 12/24/2019	

**QC NARRATIVE(S)**

**GENERAL COMMENTS**

Dredge Planning to Start on 12-25-2019

<b>CONTRACTOR CERTIFICATION</b>	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.		
<b>QC REPRESENTATIVE'S SIGNATURE</b>	<b>DATE</b>	<b>SUPERINTENDENT'S INITIALS</b>	<b>DATE</b>

QUALITY CONTROL REPORT-HOPPER DREDGE							PAGE NO. Page 11 of 377	
CONTRACT NO. W9127820F0001 W9127820F0032		CONTRACT TITLE IDIQ Hopper Dredge for Mobile Harbor			CONTRACTOR Dutra Dredging Co.		REPORT NO. 6	
CHARACTER OF REPORT		<input checked="" type="checkbox"/> MAINTENANCE <input type="checkbox"/> NEW WORK					DATE 12/25/2019	
DREDGE  Columbia Hopper Dredge		HOPPER CAP: 4387 CY		AVG VOL OF BIN WATER: 0 CY		AVG UNFILLED CAP: 0 CY		
		NO. OF CREW MEMBERS	DREDGE 13	OTHER PLANT 4	WORK SCHEDULE	SHIFTS PER DAY 2	DAYS PER WEEK 7	
LOCATION OF WORK		LOCATION CHANNEL Mobile Bay		REACH DREDGED; STA TO STA Sta 400+00 to 450+00 and Sta 245+00 to 267+73		DISPOSAL AREA USE Mobile Site 102 - SW	QTY DEPOSITED GROSS(CY) 5,270	CUMULATIVE AND QTY DEPOSIT FOR DA(CY) 5,270
		AVG LENGTH OF CUT 5000 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@	55 °F	
RIVER/TIDE STAGE		MIN 0.00	TIME 00:00	MAX 0.00	TIME 00:00	GAGE LOCATION		
		MIN 0.00	TIME 00:00	MAX 0.00	TIME 00:00	GAGE DATUM		
WEATHER CONDITION		WEATHER Weather Caused No Delay		TEMP 55 °F / 72 °F	VISIBILITY 14 MI	WIND 8 MPH		
DRAFT				DISTRIBUTION OF TIME AND MILES RUN				
	LIGHT	LOADED			AGITATING (MIN)	DREDGE & HAUL (MIN)	MILES RUN (NAUT MI)	
FORWARD	8	16		EFFECTIVE WORKING TIME:				
AFT	10	15		PUMPING:	00:00	01:25	0.0	
DRAG DEPTH    MAX 0		MIN 0		TURNING:	00:00	00:00	0.0	
INDICATORS LAST CHECKED ON    08/14/2019				TO DUMP:	00:00	06:06	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	00:09	0.0	
GALLONS OF FUEL OIL CONSUMED		GAL	2,978	DISCONNECTING:	00:00	00:00	0.0	
GALLONS OF WATER CONSUMED		GAL	896	TO CUT:	00:00	06:47	0.0	
				TOTALS:	00:00	14:27	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 3	TOTAL CYS 5,270	DISPOSAL AREA Mobile Site 102 - SW		TOTAL CYS 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	09:33	0.0	
				TOTALS	00:00	09:33	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**

<b>CONTRACT NO.</b> W9127820F0032	<b>CONTRACT TITLE</b> IDIQ Hopper Dredge for Mobile Harbor	<b>CONTRACTOR</b> Dutra Dredging Co.	<b>REPORT NO.</b> 6
<b>DREDGE</b>	<b>NAME AND TYPE</b> Columbia Hopper Dredge		<b>DATE</b> 12/25/2019

**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 245+00 to 267+73	09:33	0	139	143
	Mobile Site 102 - SW	09:33	0	4 0	2,635 0
2	Sta 245+00 to 267+73	11:56	53	227	492
	Mobile Site 102 - SW	12:49	0	5 207	2,635 0
3	Sta 245+00 to 267+73	20:08	32	0	232
	Mobile Site 102 - SW	20:40	0	0 200	0 0

**QC NARRATIVE(S)**

**GENERAL COMMENTS**

Started Contract Task Order at 9:33 am

<b>CONTRACTOR CERTIFICATION</b>	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.		
<b>QC REPRESENTATIVE'S SIGNATURE</b>	<b>DATE</b>	<b>SUPERINTENDENT'S INITIALS</b>	<b>DATE</b>

QUALITY CONTROL REPORT-HOPPER DREDGE										PAGE NO. Page 13 of 377		
CONTRACT NO. W9127820F0001 W9127820F0032		CONTRACT TITLE IDIQ Hopper Dredge for Mobile Harbor				CONTRACTOR Dutra Dredging Co.				REPORT NO. 7		
CHARACTER OF REPORT		<input checked="" type="checkbox"/> MAINTENANCE <input type="checkbox"/> NEW WORK						DATE 12/26/2019				
DREDGE Columbia Hopper Dredge		HOPPER CAP: 4387 CY			AVG VOL OF BIN WATER: 0 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 400+00 to 450+00 and Sta 245+00 to 267+73			Mobile Site 102 - SW		7,905		13,175	
CHARACTER OF MATERIAL		AVG LENGTH OF CUT			AVG WIDTH OF CUT			AVG DIST TO DUMP				
		5000 FT			400 FT			36 NM				
DENSITY OF MATERIALS		DENSITY OF MATERIALS			1250			GMS/LITER		1250		
		DENSITY OF WATER			1006			GMS/LITER@		55 °F		
RIVER/TIDE STAGE		MIN 0.00		TIME 00:00		MAX 0.00		TIME 00:00		GAGE LOCATION		
		MIN 0.00		TIME 00:00		MAX 0.00		TIME 00:00		GAGE DATUM		
WEATHER CONDITION		WEATHER Weather Caused No Delay			TEMP 45 °F / 70 °F		VISIBILITY 14 MI		WIND 7 MPH			
DRAFT						DISTRIBUTION OF TIME AND MILES RUN						
LIGHT		LOADED						AGITATING (MIN)		DREDGE & HAUL (MIN)		MILES RUN (NAUT MI)
FORWARD		8		16		EFFECTIVE WORKING TIME:						
AFT		10		15		PUMPING:		00:00		01:51	0.0	
DRAG DEPTH		MAX 0		MIN 0		TURNING:		00:00		00:00	0.0	
INDICATORS LAST CHECKED ON		08/14/2019				TO DUMP:		00:00		10:49	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		2,978		DISCONNECTING:		00:00		00:00	0.0	
GALLONS OF WATER CONSUMED		GAL		896		TO CUT:		00:00		10:48	0.0	
WORK PERFORMED						TOTALS:		00:00		23:40	0.0	
DREDGING AND HAULING						NON-EFFECTIVE WORKING TIME:						
NO. OF LOADS		TOTAL CYS		DISPOSAL AREA		TOTAL CYS		TAKING ON FUEL AND SUPPLIES		0.0		
4		7,905		Mobile Site 102 - SW		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		00:20	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		00:20	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	

**QUALITY CONTROL REPORT-HOPPER DREDGE**

**PAGE NO.**  
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**REPORT NO.**  
7

**DATE**  
12/26/2019

**CONTRACT NO.**  
W9127820F0001  
W9127820F0032

**CONTRACT TITLE**  
IDIQ Hopper Dredge for Mobile Harbor

**CONTRACTOR**  
Dutra Dredging Co.

**DREDGE**  
Columbia Hopper Dredge

**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 245+00 to 267+73	00:00	21	203	228
	Mobile Site 102 - SW	00:21	0	4 0	2,635 0
2	Sta 245+00 to 267+73	03:48	46	212	495
	Mobile Site 102 - SW	04:34	0	4 233	2,635 0
3	Sta 245+00 to 267+73	12:03	44	234	493
	Mobile Site 102 - SW	12:47	0	4 211	2,635 0
4	Sta 245+00 to 267+73	20:16	0	0	204
	Mobile Site 102 - SW	20:16	0	0 204	0 0

**QC NARRATIVE(S)**

<b>CONTRACTOR CERTIFICATION</b>		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.			
<b>QC REPRESENTATIVE'S SIGNATURE</b>		<b>DATE</b>	<b>SUPERINTENDENT'S INITIALS</b>	<b>DATE</b>	

QUALITY CONTROL REPORT-HOPPER DREDGE										PAGE NO. Page 15 of 377	
CONTRACT NO. W9127820F0001 W9127820F0032		CONTRACT TITLE IDIQ Hopper Dredge for Mobile Harbor				CONTRACTOR Dutra Dredging Co.				REPORT NO. 8	
CHARACTER OF REPORT		<input checked="" type="checkbox"/> MAINTENANCE <input type="checkbox"/> NEW WORK						DATE 12/27/2019			
DREDGE Columbia Hopper Dredge		HOPPER CAP: 4387 CY			AVG VOL OF BIN WATER: 0 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 400+00 to 450+00 and Sta 245+00 to 267+73			Mobile Site 102 - SW		7,920	21,095	
		AVG LENGTH OF CUT 5000 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@		55 °F	
RIVER/TIDE STAGE		MIN 0.00		TIME 00:00		MAX 0.00		TIME 00:00		GAGE LOCATION	
		MIN 0.00		TIME 00:00		MAX 0.00		TIME 00:00		GAGE DATUM	
WEATHER CONDITION		WEATHER Weather Caused No Delay				TEMP 58 °F / 65 °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		16		EFFECTIVE WORKING TIME:					
AFT		10		15		PUMPING:	00:00	02:39	0.0		
DRAG DEPTH		MAX 0		MIN 0		TURNING:	00:00	00:00	0.0		
INDICATORS LAST CHECKED ON		08/14/2019									
AVERAGE SPEED OF DREDGE DURING LOADING		FT/MIN		0		TO DUMP:	00:00	10:42	0.0		
AVERAGE SPEED OF DREDGE DURING AGITATING		FT/MIN		0		CONNECTING:	00:00	00:00	0.0		
GALLONS OF FUEL OIL CONSUMED		GAL		2,490		DUMPING:	00:00	00:12	0.0		
GALLONS OF WATER CONSUMED		GAL		896		DISCONNECTING:	00:00	00:00	0.0		
						TO CUT:	00:00	10:27	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		7,920		Mobile Site 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
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		

<b>QUALITY CONTROL REPORT-HOPPER DREDGE</b>		<b>PAGE NO.</b> Page 16 of 377
<b>CONTRACT NO.</b> W9127820F0001 W9127820F0032	<b>CONTRACT TITLE</b> IDIQ Hopper Dredge for Mobile Harbor	<b>CONTRACTOR</b> Dutra Dredging Co.
<b>DREDGE</b>	<b>NAME AND TYPE</b> Columbia Hopper Dredge	<b>REPORT NO.</b> 8 <b>DATE</b> 12/27/2019

**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 245+00 to 267+73	00:00	51	201	321
	Mobile Site 102 - SW	00:51	0	4 65	2,640 0
2	Sta 245+00 to 267+73	05:21	52	223	513
	Mobile Site 102 - SW	06:13	0	4 234	2,640 0
3	Sta 245+00 to 267+73	13:54	56	218	497
	Mobile Site 102 - SW	14:50	0	4 219	2,640 0
4	Sta 245+00 to 267+73	22:11	0	0	109
	Mobile Site 102 - SW	22:11	0	0 109	0 0

**QC NARRATIVE(S)**

<b>CONTRACTOR CERTIFICATION</b>	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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<b>QC REPRESENTATIVE'S SIGNATURE</b>	<b>DATE</b>	<b>SUPERINTENDENT'S INITIALS</b>	<b>DATE</b>
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QUALITY CONTROL REPORT-HOPPER DREDGE							PAGE NO. Page 17 of 377	
CONTRACT NO. W9127820F0001 W9127820F0032		CONTRACT TITLE IDIQ Hopper Dredge for Mobile Harbor			CONTRACTOR Dutra Dredging Co.		REPORT NO. 9	
CHARACTER OF REPORT		<input checked="" type="checkbox"/> MAINTENANCE <input type="checkbox"/> NEW WORK					DATE 12/28/2019	
DREDGE  Columbia Hopper Dredge		HOPPER CAP: 4387 CY		AVG VOL OF BIN WATER: 0 CY		AVG UNFILLED CAP: 0 CY		
		NO. OF CREW MEMBERS	DREDGE 13	OTHER PLANT 4	WORK SCHEDULE	SHIFTS PER DAY 2	DAYS PER WEEK 7	
LOCATION OF WORK		LOCATION CHANNEL Mobile Bay		REACH DREDGED; STA TO STA Sta 400+00 to 450+00 and Sta 245+00 to 267+73		DISPOSAL AREA USE Mobile Site 102 - SW	QTY DEPOSITED GROSS(CY) 7,920	CUMULATIVE AND QTY DEPOSIT FOR DA(CY) 29,015
		AVG LENGTH OF CUT 5000 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@	55 °F	
RIVER/TIDE STAGE		MIN 0.00	TIME 00:00	MAX 0.00	TIME 00:00	GAGE LOCATION		
		MIN 0.00	TIME 00:00	MAX 0.00	TIME 00:00	GAGE DATUM		
WEATHER CONDITION		WEATHER Weather Caused No Delay		TEMP 58 °F / 70 °F	VISIBILITY 10 MI	WIND 10/E MPH		
DRAFT				DISTRIBUTION OF TIME AND MILES RUN				
	LIGHT	LOADED			AGITATING (MIN)	DREDGE & HAUL (MIN)	MILES RUN (NAUT MI)	
FORWARD	8	16		EFFECTIVE WORKING TIME:				
AFT	10	15		PUMPING:	00:00	02:33	0.0	
DRAG DEPTH    MAX 0		MIN 0		TURNING:	00:00	00:03	0.0	
INDICATORS LAST CHECKED ON		08/14/2019		TO DUMP:	00:00	10:55	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	2,502	DISCONNECTING:	00:00	00:00	0.0	
GALLONS OF WATER CONSUMED		GAL	784	TO CUT:	00:00	09:47	0.0	
				TOTALS:	00:00	23:30	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 7,920	DISPOSAL AREA Mobile Site 102 - SW	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	00:30	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	00:30	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 377

CONTRACT NO. W9127820F0001 W9127820F0032

CONTRACT TITLE IDIQ Hopper Dredge for Mobile Harbor

CONTRACTOR Dutra Dredging Co.

REPORT NO. 9

DREDGE

NAME AND TYPE Columbia Hopper Dredge

DATE 12/28/2019

LOADS

Table with 6 columns: 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). Rows 1-4 show data for Sta 245+00 to 267+73 at Mobile Site 102 - SW.

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 19 of 377			
CONTRACT NO. W9127820F0001 W9127820F0032		CONTRACT TITLE IDIQ Hopper Dredge for Mobile Harbor				CONTRACTOR Dutra Dredging Co.				REPORT NO. 10			
CHARACTER OF REPORT		<input checked="" type="checkbox"/> MAINTENANCE <input type="checkbox"/> NEW WORK						DATE 12/29/2019					
DREDGE  Columbia Hopper Dredge		HOPPER CAP: 4387 CY			AVG VOL OF BIN WATER: 0 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 400+00 to 450+00 and Sta 245+00 to 267+73			Mobile Site 102 - SW		5,270		34,285		
CHARACTER OF MATERIAL		AVG LENGTH OF CUT			AVG WIDTH OF CUT			AVG DIST TO DUMP					
		5000 FT			400 FT			36 NM					
DENSITY OF MATERIALS		DENSITY OF MATERIALS			1250			GMS/LITER		1250			
		DENSITY OF WATER			1006			GMS/LITER@		55 °F			
RIVER/TIDE STAGE		MIN 0.00		TIME 00:00		MAX 0.00		TIME 00:00		GAGE LOCATION			
		MIN 0.00		TIME 00:00		MAX 0.00		TIME 00:00		GAGE DATUM			
WEATHER CONDITION		WEATHER Weather Caused No Delay			TEMP 50 °F / 70 °F		VISIBILITY 10 MI		WIND 20 MPH				
DRAFT						DISTRIBUTION OF TIME AND MILES RUN							
LIGHT		LOADED				AGITATING (MIN)		DREDGE & HAUL (MIN)		MILES RUN (NAUT MI)			
FORWARD		8		16		EFFECTIVE WORKING TIME:							
AFT		10		15		PUMPING:		00:00		02:22 0.0			
DRAG DEPTH		MAX 0		MIN 0		TURNING:		00:00		00:06 0.0			
INDICATORS LAST CHECKED ON		08/14/2019				TO DUMP:		00:00		10:18 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		00:27 0.0			
GALLONS OF FUEL OIL CONSUMED		GAL		2,618		DISCONNECTING:		00:00		00:00 0.0			
GALLONS OF WATER CONSUMED		GAL		672		TO CUT:		00:00		10:47 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			
3		5,270		Mobile Site 102 - SW		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 20 of 377
CONTRACT NO. W9127820F0001 W9127820F0032	CONTRACT TITLE IDIQ Hopper Dredge for Mobile Harbor	CONTRACTOR Dutra Dredging Co.	REPORT NO.  <b>10</b>
DREDGE	NAME AND TYPE Columbia Hopper Dredge	DATE 12/29/2019	

#### 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 245+00 to 267+73	00:00	31	199	438
	Mobile Site 102 - SW	00:31	0	4	2,635
				204	0
2	Sta 245+00 to 267+73	07:18	60	219	545
	Mobile Site 102 - SW	08:24	6	23	2,635
				237	0
3	Sta 245+00 to 267+73	16:23	51	200	457
	Mobile Site 102 - SW	17:14	0	0	0
				206	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 21 of 377				
CONTRACT NO. W9127820F0001 W9127820F0032		CONTRACT TITLE IDIQ Hopper Dredge for Mobile Harbor				CONTRACTOR Dutra Dredging Co.				REPORT NO. 11				
CHARACTER OF REPORT		<input checked="" type="checkbox"/> MAINTENANCE <input type="checkbox"/> NEW WORK						DATE 12/30/2019						
DREDGE  Columbia Hopper Dredge		HOPPER CAP: 4387 CY			AVG VOL OF BIN WATER: 0 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 400+00 to 450+00 and Sta 245+00 to 267+73			Mobile Site 102 - SW		7,905		42,190			
CHARACTER OF MATERIAL		AVG LENGTH OF CUT			AVG WIDTH OF CUT			AVG DIST TO DUMP						
		5000 FT			400 FT			36 NM						
DENSITY OF MATERIALS		DENSITY OF MATERIALS			1250			GMS/LITER		1250				
		DENSITY OF WATER			1006			GMS/LITER@		55 °F				
RIVER/TIDE STAGE		MIN 0.00		TIME 00:00		MAX 0.00		TIME 00:00		GAGE LOCATION				
		MIN 0.00		TIME 00:00		MAX 0.00		TIME 00:00		GAGE DATUM				
WEATHER CONDITION		WEATHER Weather Caused No Delay			TEMP 50 °F / 70 °F		VISIBILITY 10 MI		WIND 20 MPH					
DRAFT						DISTRIBUTION OF TIME AND MILES RUN								
LIGHT		LOADED						AGITATING (MIN)		DREDGE & HAUL (MIN)		MILES RUN (NAUT MI)		
FORWARD		8		16		EFFECTIVE WORKING TIME:								
AFT		10		15		PUMPING:		00:00		02:30		0.0		
DRAG DEPTH		MAX 0		MIN 0		TURNING:		00:00		00:05		0.0		
INDICATORS LAST CHECKED ON		08/14/2019				TO DUMP:		00:00		09:43		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		2,583		DISCONNECTING:		00:00		00:00		0.0		
GALLONS OF WATER CONSUMED		GAL		672		TO CUT:		00:00		11:30		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		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**

<b>CONTRACT NO.</b> W9127820F0001 W9127820F0032	<b>CONTRACT TITLE</b> IDIQ Hopper Dredge for Mobile Harbor	<b>CONTRACTOR</b> Dutra Dredging Co.	<b>REPORT NO.</b>  11
<b>DREDGE</b>	<b>NAME AND TYPE</b> Columbia Hopper Dredge		<b>DATE</b> 12/30/2019

**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 245+00 to 267+73	00:00	0	22	26
	Mobile Site 102 - SW	00:00	0	4 0	2,635 0
2	Sta 245+00 to 267+73	00:26	50	202	510
	Mobile Site 102 - SW	01:21	5	4 249	2,635 0
3	Sta 245+00 to 267+73	08:56	46	219	497
	Mobile Site 102 - SW	09:42	0	4 228	2,635 0
4	Sta 245+00 to 267+73	17:13	54	140	407
	Mobile Site 102 - SW	18:07	0	0 213	0 0

**QC NARRATIVE(S)**

<b>CONTRACTOR CERTIFICATION</b>	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.		
<b>QC REPRESENTATIVE'S SIGNATURE</b>	<b>DATE</b>	<b>SUPERINTENDENT'S INITIALS</b>	<b>DATE</b>

QUALITY CONTROL REPORT-HOPPER DREDGE							PAGE NO.	
							Page 23 of 377	
CONTRACT NO.		CONTRACT TITLE			CONTRACTOR		REPORT NO.	
W9127820F0001 W9127820F0032		IDIQ Hopper Dredge for Mobile Harbor			Dutra Dredging Co.		12	
CHARACTER OF REPORT		<input checked="" type="checkbox"/> MAINTENANCE <input type="checkbox"/> NEW WORK					DATE	
							12/31/2019	
DREDGE		HOPPER CAP: 4387 CY		AVG VOL OF BIN WATER: 0 CY		AVG UNFILLED CAP: 0 CY		
Columbia Hopper Dredge		NO. OF CREW MEMBERS	DREDGE	OTHER PLANT	WORK SCHEDULE	SHIFTS PER DAY	DAYS PER WEEK	
			13	4		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 400+00 to 450+00 and Sta 245+00 to 267+73		Mobile Site 102 - SW	7,905	50,095	
		AVG LENGTH OF CUT 5000 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@	55 °F
RIVER/TIDE STAGE		MIN 0.00	TIME 00:00	MAX 0.00	TIME 00:00	GAGE LOCATION		
		MIN 0.00	TIME 00:00	MAX 0.00	TIME 00:00	GAGE DATUM		
WEATHER CONDITION		WEATHER		TEMP	VISIBILITY	WIND		
		Weather Caused No Delay		48 °F / 68 °F	10 MI	8 MPH		
DRAFT				DISTRIBUTION OF TIME AND MILES RUN				
	LIGHT	LOADED			AGITATING (MIN)	DREDGE & HAUL (MIN)	MILES RUN (NAUT MI)	
FORWARD	8	16		EFFECTIVE WORKING TIME:				
AFT	10	15		PUMPING:	00:00	02:56	0.0	
DRAG DEPTH    MAX 0    MIN 0				TURNING:	00:00	00:26	0.0	
INDICATORS LAST CHECKED ON    08/14/2019				TO DUMP:	00:00	09:03	0.0	
AVERAGE SPEED OF DREDGE DURING LOADING				CONNECTING:	00:00	00:00	0.0	
AVERAGE SPEED OF DREDGE DURING AGITATING				DUMPING:	00:00	00:12	0.0	
GALLONS OF FUEL OIL CONSUMED				DISCONNECTING:	00:00	00:00	0.0	
GALLONS OF WATER CONSUMED				TO CUT:	00:00	11:23	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	
AGITATING				TO AND FROM WHARF OR ANCHORAGE:	00:00	00:00	0.0	
NO.OF LOADS	TOTAL CYS	DISPOSAL AREA		LOSS DUE TO NATURAL ELEMENTS:	00:00	00:00	0.0	
4	7,905	Mobile Site 102 - SW		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	
Crew Boat	Cape Anne		400	24:00	TOTALS	00:00	00:00	
					LOST TIME:			
					MAJOR REPAIRS AND ALTERNATIONS	00:00	00:00	
					CESSATION:	00:00	00:00	
					COLLISIONS:	00:00	00:00	
					TOTALS:	00:00	00:00	
					TOTAL TIME/MILES:	00:00	24:00	

<b>QUALITY CONTROL REPORT-HOPPER DREDGE</b>			<b>PAGE NO.</b> Page 24 of 377	
<b>CONTRACT NO.</b> W9127820F0001 W9127820F0032	<b>CONTRACT TITLE</b> IDIQ Hopper Dredge for Mobile Harbor	<b>CONTRACTOR</b> Dutra Dredging Co.		<b>REPORT NO.</b> 12
<b>DREDGE</b>	<b>NAME AND TYPE</b> Columbia Hopper Dredge			<b>DATE</b> 12/31/2019

**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 245+00 to 267+73	00:00	0	68	72
	Mobile Site 102 - SW	00:00	0	4	2,635
				0	0
2	Sta 245+00 to 267+73	01:12	65	201	524
	Mobile Site 102 - SW	02:27	10	4	2,635
				244	0
3	Sta 245+00 to 267+73	09:56	50	211	503
	Mobile Site 102 - SW	10:50	4	4	2,635
				234	0
4	Sta 245+00 to 267+73	18:19	61	63	341
	Mobile Site 102 - SW	19:32	12	0	0
				205	0

**QC NARRATIVE(S)**

<b>CONTRACTOR CERTIFICATION</b>	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.		
<b>QC REPRESENTATIVE'S SIGNATURE</b>	<b>DATE</b>	<b>SUPERINTENDENT'S INITIALS</b>	<b>DATE</b>



QUALITY CONTROL REPORT-HOPPER DREDGE										PAGE NO. Page 25 of 377	
CONTRACT NO. W9127820F0001 W9127820F0032		CONTRACT TITLE IDIQ Hopper Dredge for Mobile Harbor				CONTRACTOR Dutra Dredging Co.				REPORT NO. 13	
CHARACTER OF REPORT		<input checked="" type="checkbox"/> MAINTENANCE <input type="checkbox"/> NEW WORK						DATE 01/01/2020			
DREDGE  Columbia Hopper Dredge		HOPPER CAP: 4387 CY			AVG VOL OF BIN WATER: 0 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 400+00 to 450+00 and Sta 245+00 to 267+73			Mobile Site 102 - SW		7,905		58,000
CHARACTER OF MATERIAL		AVG LENGTH OF CUT			AVG WIDTH OF CUT			AVG DIST TO DUMP			
		5000 FT			400 FT			36 NM			
DENSITY OF MATERIALS		DENSITY OF MATERIALS			1250			GMS/LITER		1250	
		DENSITY OF WATER			1006			GMS/LITER@		55 °F	
RIVER/TIDE STAGE		MIN 0.00		TIME 00:00		MAX 0.00		TIME 00:00		GAGE LOCATION	
		MIN 0.00		TIME 00:00		MAX 0.00		TIME 00:00		GAGE DATUM	
WEATHER CONDITION		WEATHER Weather Caused No Delay			TEMP 50 °F / 68 °F		VISIBILITY 10 MI		WIND 20 MPH		
DRAFT						DISTRIBUTION OF TIME AND MILES RUN					
LIGHT		LOADED				AGITATING (MIN)		DREDGE & HAUL (MIN)		MILES RUN (NAUT MI)	
FORWARD		8		16		EFFECTIVE WORKING TIME:					
AFT		10		15		PUMPING:		00:00		01:42 0.0	
DRAG DEPTH		MAX 0		MIN 0		TURNING:		00:00		00:13 0.0	
INDICATORS LAST CHECKED ON		08/14/2019				TO DUMP:		00:00		09:16 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		00:58 0.0	
GALLONS OF FUEL OIL CONSUMED		GAL		2,376		DISCONNECTING:		00:00		00:00 0.0	
GALLONS OF WATER CONSUMED		GAL		785		TO CUT:		00:00		10:36 0.0	
WORK PERFORMED						TOTALS:		00:00		22:45 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		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		01:15 0.0	
TOTALS						TOTALS		00:00		01:15 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	

**QUALITY CONTROL REPORT-HOPPER DREDGE**

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<b>CONTRACT NO.</b> W9127820F0001 W9127820F0032	<b>CONTRACT TITLE</b> IDIQ Hopper Dredge for Mobile Harbor	<b>CONTRACTOR</b> Dutra Dredging Co.	<b>REPORT NO.</b>  13
<b>DREDGE</b>	<b>NAME AND TYPE</b> Columbia Hopper Dredge		<b>DATE</b> 01/01/2020

**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 245+00 to 267+73	00:00	0	154	180
	Mobile Site 102 - SW	00:00	0	26	2,635
				0	0
2	Sta 245+00 to 267+73	03:00	52	212	532
	Mobile Site 102 - SW	04:02	10	28	2,635
				230	0
3	Sta 245+00 to 267+73	11:52	50	190	470
	Mobile Site 102 - SW	12:45	3	4	2,635
				223	0
4	Sta 245+00 to 267+73	19:42	0	0	183
	Mobile Site 102 - SW	19:42	0	0	0
				183	0

**QC NARRATIVE(S)**

<b>CONTRACTOR CERTIFICATION</b>	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.		
<b>QC REPRESENTATIVE'S SIGNATURE</b>	<b>DATE</b>	<b>SUPERINTENDENT'S INITIALS</b>	<b>DATE</b>

QUALITY CONTROL REPORT-HOPPER DREDGE							PAGE NO. Page 27 of 377	
CONTRACT NO. W9127820F0001 W9127820F0032		CONTRACT TITLE IDIQ Hopper Dredge for Mobile Harbor			CONTRACTOR Dutra Dredging Co.		REPORT NO. 14	
CHARACTER OF REPORT		<input checked="" type="checkbox"/> MAINTENANCE <input type="checkbox"/> NEW WORK					DATE 01/02/2020	
DREDGE  Columbia Hopper Dredge		HOPPER CAP: 4387 CY		AVG VOL OF BIN WATER: 0 CY		AVG UNFILLED CAP: 0 CY		
		NO. OF CREW MEMBERS	DREDGE 13	OTHER PLANT 4	WORK SCHEDULE	SHIFTS PER DAY 2	DAYS PER WEEK 7	
LOCATION OF WORK		LOCATION CHANNEL Mobile Bay		REACH DREDGED; STA TO STA Sta 400+00 to 450+00 and Sta 245+00 to 267+73		DISPOSAL AREA USE Mobile Site 102 - SW	QTY DEPOSITED GROSS(CY) 5,270	CUMULATIVE AND QTY DEPOSIT FOR DA(CY) 63,270
		AVG LENGTH OF CUT 5000 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@ 55 °F		
RIVER/TIDE STAGE		MIN 0.00	TIME 00:00	MAX 0.00	TIME 00:00	GAGE LOCATION		
		MIN 0.00	TIME 00:00	MAX 0.00	TIME 00:00	GAGE DATUM		
WEATHER CONDITION		WEATHER Weather Caused No Delay		TEMP 49 °F / 62 °F	VISIBILITY 10 MI	WIND 20 MPH		
DRAFT				DISTRIBUTION OF TIME AND MILES RUN				
	LIGHT	LOADED			AGITATING (MIN)	DREDGE & HAUL (MIN)	MILES RUN (NAUT MI)	
FORWARD	8	16		EFFECTIVE WORKING TIME:				
AFT	10	15		PUMPING:	00:00	02:29	0.0	
DRAG DEPTH    MAX 0		MIN 0		TURNING:	00:00	00:11	0.0	
INDICATORS LAST CHECKED ON    08/14/2019				TO DUMP:	00:00	07:29	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	2,503	DISCONNECTING:	00:00	00:00	0.0	
GALLONS OF WATER CONSUMED		GAL	1,309	TO CUT:	00:00	07:54	0.0	
				TOTALS:	00:00	18:11	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 3	TOTAL CYS 5,270	DISPOSAL AREA Mobile Site 102 - SW		TOTAL CYS 0	LOSS DUE TO NATURAL ELEMENTS:	00:00	05:31	0.0
					LOSS DUE TO TRAFFIC AND BRIDGES	00:00	00:18	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	05:49	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**

<b>CONTRACT NO.</b> W9127820F0001 W9127820F0032	<b>CONTRACT TITLE</b> IDIQ Hopper Dredge for Mobile Harbor	<b>CONTRACTOR</b> Dutra Dredging Co.	<b>REPORT NO.</b>  14
<b>DREDGE</b>	<b>NAME AND TYPE</b> Columbia Hopper Dredge		<b>DATE</b> 01/02/2020

**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 245+00 to 267+73	00:00	50	220	305
	Mobile Site 102 - SW	00:54	4	4 27	2,635 0
2	Sta 245+00 to 267+73	05:05	41	229	503
	Mobile Site 102 - SW	05:53	7	4 222	2,635 0
3	400+00 to 450+00	13:28	58	0	283
	Mobile Site 102 - SW	14:26	0	0 225	0 0

**QC NARRATIVE(S)**

<b>CONTRACTOR CERTIFICATION</b>	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.		
<b>QC REPRESENTATIVE'S SIGNATURE</b>	<b>DATE</b>	<b>SUPERINTENDENT'S INITIALS</b>	<b>DATE</b>

QUALITY CONTROL REPORT-HOPPER DREDGE										PAGE NO. Page 29 of 377			
CONTRACT NO. W9127820F0001 W9127820F0032		CONTRACT TITLE IDIQ Hopper Dredge for Mobile Harbor				CONTRACTOR Dutra Dredging Co.				REPORT NO. 15			
CHARACTER OF REPORT		<input checked="" type="checkbox"/> MAINTENANCE <input type="checkbox"/> NEW WORK						DATE 01/03/2020					
DREDGE Columbia Hopper Dredge		HOPPER CAP: 4387 CY			AVG VOL OF BIN WATER: 0 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 400+00 to 450+00 and Sta 245+00 to 267+73			Mobile Site 102 - SW		5,270		68,540		
CHARACTER OF MATERIAL		DENSITY OF MATERIALS			1250			GMS/LITER		1250			
		DENSITY OF WATER			1006			GMS/LITER@		55 °F			
RIVER/TIDE STAGE		MIN 0.00		TIME 00:00		MAX 0.00		TIME 00:00		GAGE LOCATION			
		MIN 0.00		TIME 00:00		MAX 0.00		TIME 00:00		GAGE DATUM			
WEATHER CONDITION		WEATHER Weather Caused No Delay			TEMP 45 °F / 60 °F		VISIBILITY 10 MI		WIND 20 MPH				
DRAFT						DISTRIBUTION OF TIME AND MILES RUN							
LIGHT		LOADED				AGITATING (MIN)		DREDGE & HAUL (MIN)		MILES RUN (NAUT MI)			
FORWARD		8		16		EFFECTIVE WORKING TIME:							
AFT		10		15		PUMPING:		00:00		00:58 0.0			
DRAG DEPTH		MAX 0		MIN 0		TURNING:		00:00		00:00 0.0			
INDICATORS LAST CHECKED ON		08/14/2019				TO DUMP:		00:00		07:09 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		2,121		DISCONNECTING:		00:00		00:00 0.0			
GALLONS OF WATER CONSUMED		GAL		561		TO CUT:		00:00		04:33 0.0			
WORK PERFORMED						TOTALS:		00:00		12:48 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			
3		5,270		Mobile Site 102 - SW		0		TO AND FROM WHARF OR ANCHORAGE:		00:00 00:00 0.0			
								LOSS DUE TO NATURAL ELEMENTS:		00:00 11:12 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 11:12 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**

<b>CONTRACT NO.</b> W9127820F0032	<b>CONTRACT TITLE</b> IDIQ Hopper Dredge for Mobile Harbor	<b>CONTRACTOR</b> Dutra Dredging Co.	<b>REPORT NO.</b> 15
<b>DREDGE</b>	<b>NAME AND TYPE</b> Columbia Hopper Dredge		<b>DATE</b> 01/03/2020

**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 245+00 to 267+73 Mobile Site 102 - SW	00:00 00:00	0 0	205 4 0	209 2,635 0
2	Sta 245+00 to 267+73 Mobile Site 102 - SW	03:29 04:27	58 0	224 4 257	543 2,635 0
3	Sta 245+00 to 267+73 Mobile Site 102 - SW	12:32 12:32	0 0	0 0 16	16 0 0

**QC NARRATIVE(S)**

<b>CONTRACTOR CERTIFICATION</b>	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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<b>QC REPRESENTATIVE'S SIGNATURE</b>	<b>DATE</b>	<b>SUPERINTENDENT'S INITIALS</b>	<b>DATE</b>
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QUALITY CONTROL REPORT-HOPPER DREDGE										PAGE NO. Page 31 of 377	
CONTRACT NO. W9127820F0001 W9127820F0032		CONTRACT TITLE IDIQ Hopper Dredge for Mobile Harbor				CONTRACTOR Dutra Dredging Co.				REPORT NO. 16	
CHARACTER OF REPORT		<input checked="" type="checkbox"/> MAINTENANCE <input type="checkbox"/> NEW WORK						DATE 01/04/2020			
DREDGE Columbia Hopper Dredge		HOPPER CAP: 4387 CY			AVG VOL OF BIN WATER: 0 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 400+00 to 450+00 and Sta 245+00 to 267+73			Mobile Site 102 - SW		5,270	73,810		
		AVG LENGTH OF CUT 5000 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@		55 °F	
RIVER/TIDE STAGE		MIN 0.00	TIME 00:00	MAX 0.00	TIME 00:00	GAGE LOCATION					
		MIN 0.00	TIME 00:00	MAX 0.00	TIME 00:00	GAGE DATUM					
WEATHER CONDITION		WEATHER Weather Caused No Delay			TEMP 40 °F / 62 °F		VISIBILITY 10 MI		WIND 20 MPH		
DRAFT					DISTRIBUTION OF TIME AND MILES RUN						
		LIGHT		LOADED				AGITATING (MIN)	DREDGE & HAUL (MIN)	MILES RUN (NAUT MI)	
FORWARD		8		16		EFFECTIVE WORKING TIME:					
AFT		10		15		PUMPING:		00:00	01:40	0.0	
DRAG DEPTH		MAX 0		MIN 0		TURNING:		00:00	00:06	0.0	
INDICATORS LAST CHECKED ON		08/14/2019									
AVERAGE SPEED OF DREDGE DURING LOADING		FT/MIN		0		TO DUMP:		00:00	07:00	0.0	
AVERAGE SPEED OF DREDGE DURING AGITATING		FT/MIN		0		CONNECTING:		00:00	00:00	0.0	
GALLONS OF FUEL OIL CONSUMED		GAL		1,407		DUMPING:		00:00	00:08	0.0	
GALLONS OF WATER CONSUMED		GAL		935		DISCONNECTING:		00:00	00:00	0.0	
						TO CUT:		00:00	11:04	0.0	
						TOTALS:		00:00	19:58	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 Site 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	04:02	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	04:02	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**

**CONTRACT NO.**  
W9127820F0001  
W9127820F0032

**CONTRACT TITLE**  
IDIQ Hopper Dredge for Mobile Harbor

**CONTRACTOR**  
Dutra Dredging Co.

**REPORT NO.**  
16

**DREDGE**

**NAME AND TYPE**  
Columbia Hopper Dredge

**DATE**  
01/04/2020

**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 245+00 to 267+73	00:00	49	209	513
	Mobile Site 102 - SW	00:51	2	4 249	2,635 0
2	Sta 245+00 to 267+73	08:33	51	211	523
	Mobile Site 102 - SW	09:28	4	4 253	2,635 0
3	Sta 245+00 to 267+73	17:16	0	0	162
	Mobile Site 102 - SW	17:16	0	0 162	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 33 of 377				
CONTRACT NO. W9127820F0001 W9127820F0032		CONTRACT TITLE IDIQ Hopper Dredge for Mobile Harbor				CONTRACTOR Dutra Dredging Co.				REPORT NO. 17				
CHARACTER OF REPORT		<input checked="" type="checkbox"/> MAINTENANCE <input type="checkbox"/> NEW WORK						DATE 01/05/2020						
DREDGE  Columbia Hopper Dredge		HOPPER CAP: 4387 CY			AVG VOL OF BIN WATER: 0 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 400+00 to 450+00 and Sta 245+00 to 267+73			Mobile Site 102 - SW		5,270		79,080			
CHARACTER OF MATERIAL		AVG LENGTH OF CUT			AVG WIDTH OF CUT			AVG DIST TO DUMP						
		5000 FT			400 FT			36 NM						
CHARACTER OF MATERIAL		DENSITY OF MATERIALS				1250		GMS/LITER		1250				
		DENSITY OF WATER				1006		GMS/LITER@		55 °F				
RIVER/TIDE STAGE		MIN 0.00		TIME 00:00		MAX 0.00		TIME 00:00		GAGE LOCATION				
		MIN 0.00		TIME 00:00		MAX 0.00		TIME 00:00		GAGE DATUM				
WEATHER CONDITION		WEATHER Weather Caused No Delay				TEMP 46 °F / 68 °F		VISIBILITY 10 MI		WIND 20 MPH				
DRAFT						DISTRIBUTION OF TIME AND MILES RUN								
LIGHT		LOADED						AGITATING (MIN)		DREDGE & HAUL (MIN)		MILES RUN (NAUT MI)		
FORWARD		8		16		EFFECTIVE WORKING TIME:								
AFT		10		15		PUMPING:		00:00		02:32		0.0		
DRAG DEPTH		MAX 0		MIN 0		TURNING:		00:00		00:10		0.0		
INDICATORS LAST CHECKED ON		08/14/2019				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		00:08		0.0		
GALLONS OF FUEL OIL CONSUMED		GAL		2,075		DISCONNECTING:		00:00		00:00		0.0		
GALLONS OF WATER CONSUMED		GAL		561		TO CUT:		00:00		08:10		0.0		
WORK PERFORMED						TOTALS:		00:00		21:37		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	
3		5,270		Mobile Site 102 - SW		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		02:23		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		02:23		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 34 of 377

<b>CONTRACT NO.</b> W9127820F0001 W9127820F0032	<b>CONTRACT TITLE</b> IDIQ Hopper Dredge for Mobile Harbor	<b>CONTRACTOR</b> Dutra Dredging Co.	<b>REPORT NO.</b> 17
<b>DREDGE</b>	<b>NAME AND TYPE</b> Columbia Hopper Dredge		<b>DATE</b> 01/05/2020

**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 245+00 to 267+73 Mobile Site 102 - SW	00:00 00:47	42 5	216 4 64	331 2,635 0
2	Sta 245+00 to 267+73 Mobile Site 102 - SW	05:31 06:31	55 5	217 4 221	502 2,635 0
3	Sta 245+00 to 267+73 Mobile Site 102 - SW	13:53 14:48	55 0	204 0 205	464 0 0

**QC NARRATIVE(S)**

<b>CONTRACTOR CERTIFICATION</b>	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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<b>QC REPRESENTATIVE'S SIGNATURE</b>	<b>DATE</b>	<b>SUPERINTENDENT'S INITIALS</b>	<b>DATE</b>
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QUALITY CONTROL REPORT-HOPPER DREDGE										PAGE NO. Page 35 of 377			
CONTRACT NO. W9127820F0001 W9127820F0032		CONTRACT TITLE IDIQ Hopper Dredge for Mobile Harbor				CONTRACTOR Dutra Dredging Co.				REPORT NO. 18			
CHARACTER OF REPORT		<input checked="" type="checkbox"/> MAINTENANCE <input type="checkbox"/> NEW WORK						DATE 01/06/2020					
DREDGE Columbia Hopper Dredge		HOPPER CAP: 4387 CY			AVG VOL OF BIN WATER: 0 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 400+00 to 450+00 and Sta 245+00 to 267+73			Mobile Site 102 - SW		7,905		86,985		
CHARACTER OF MATERIAL		AVG LENGTH OF CUT			AVG WIDTH OF CUT			AVG DIST TO DUMP					
		5000 FT			400 FT			36 NM					
CHARACTER OF MATERIAL		DENSITY OF MATERIALS				1250		GMS/LITER		1250			
		DENSITY OF WATER				1006		GMS/LITER@		55 °F			
RIVER/TIDE STAGE		MIN 0.00		TIME 00:00		MAX 0.00		TIME 00:00		GAGE LOCATION			
		MIN 0.00		TIME 00:00		MAX 0.00		TIME 00:00		GAGE DATUM			
WEATHER CONDITION		WEATHER Weather Caused No Delay				TEMP 46 °F / 63 °F		VISIBILITY 10 MI		WIND 20 MPH			
DRAFT						DISTRIBUTION OF TIME AND MILES RUN							
LIGHT		LOADED						AGITATING (MIN)		DREDGE & HAUL (MIN)		MILES RUN (NAUT MI)	
FORWARD		8		16		EFFECTIVE WORKING TIME:							
AFT		10		15		PUMPING:		00:00		02:38		0.0	
DRAG DEPTH		MAX 0		MIN 0		TURNING:		00:00		00:18		0.0	
INDICATORS LAST CHECKED ON		08/14/2019				TO DUMP:		00:00		08:22		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		00:55		0.0	
GALLONS OF FUEL OIL CONSUMED		GAL		2,953		DISCONNECTING:		00:00		00:00		0.0	
GALLONS OF WATER CONSUMED		GAL		748		TO CUT:		00:00		11:47		0.0	
						TOTALS:		00:00		24:00		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		0.0	
4		7,905		Mobile Site 102 - SW		0		LOSS DUE TO TRAFFIC AND BRIDGES		00:00		0.0	
								MINOR OPERATING REPAIRS		00:00		0.0	
								TRANSFERRING BETWEEN WORKS		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		0.0	
Crew Boat		Cape Anne		400		24:00		MISCELLANEOUS		00:00		0.0	
								TOTALS		00:00		0.0	
LOST TIME:													
								MAJOR REPAIRS AND ALTERNATIONS		00:00		0.0	
								CESSATION:		00:00		0.0	
								COLLISIONS:		00:00		0.0	
								TOTALS:		00:00		0.0	
								TOTAL TIME/MILES:		00:00		24:00	0.0

**QUALITY CONTROL REPORT-HOPPER DREDGE**

<b>CONTRACT NO.</b> W9127820F0001 W9127820F0032	<b>CONTRACT TITLE</b> IDIQ Hopper Dredge for Mobile Harbor	<b>CONTRACTOR</b> Dutra Dredging Co.	<b>REPORT NO.</b>  18
<b>DREDGE</b>	<b>NAME AND TYPE</b> Columbia Hopper Dredge		<b>DATE</b> 01/06/2020

**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 245+00 to 267+73	00:00	0	13	17
	Mobile Site 102 - SW	00:00	0	4	2,635
				0	0
2	Sta 245+00 to 267+73	00:17	53	212	537
	Mobile Site 102 - SW	01:15	5	21	2,635
				246	0
3	Sta 245+00 to 267+73	09:14	45	220	540
	Mobile Site 102 - SW	10:03	4	30	2,635
				241	0
4	Sta 245+00 to 267+73	18:14	60	57	346
	Mobile Site 102 - SW	19:23	9	0	0
				220	0

**QC NARRATIVE(S)**

<b>CONTRACTOR CERTIFICATION</b>	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.		
<b>QC REPRESENTATIVE'S SIGNATURE</b>	<b>DATE</b>	<b>SUPERINTENDENT'S INITIALS</b>	<b>DATE</b>

QUALITY CONTROL REPORT-HOPPER DREDGE										PAGE NO. Page 37 of 377	
CONTRACT NO. W9127820F0001 W9127820F0032			CONTRACT TITLE IDIQ Hopper Dredge for Mobile Harbor				CONTRACTOR Dutra Dredging Co.			REPORT NO. 19	
CHARACTER OF REPORT			<input checked="" type="checkbox"/> MAINTENANCE <input type="checkbox"/> NEW WORK						DATE 01/07/2020		
DREDGE  Columbia Hopper Dredge		HOPPER CAP: 4387 CY			AVG VOL OF BIN WATER: 0 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 400+00 to 450+00 and Sta 245+00 to 267+73			Mobile Site 102 - SW		2,635	89,620		
CHARACTER OF MATERIAL		DENSITY OF MATERIALS			1250			GMS/LITER		1250	
		DENSITY OF WATER			1006			GMS/LITER@		55 °F	
RIVER/TIDE STAGE		MIN	0.00	TIME	00:00	MAX	0.00	TIME	00:00	GAGE LOCATION	
		MIN	0.00	TIME	00:00	MAX	0.00	TIME	00:00	GAGE DATUM	
WEATHER CONDITION		WEATHER Weather Caused No Delay			TEMP 35 °F / 65 °F		VISIBILITY 10 MI		WIND 20 MPH		
DRAFT					DISTRIBUTION OF TIME AND MILES RUN						
		LIGHT		LOADED				AGITATING (MIN)	DREDGE & HAUL (MIN)	MILES RUN (NAUT MI)	
FORWARD		8		16		EFFECTIVE WORKING TIME:					
AFT		10		15		PUMPING:	00:00	00:00	0.0		
DRAG DEPTH		MAX 0	MIN 0		TURNING:	00:00	00:00	0.0			
INDICATORS LAST CHECKED ON 08/14/2019					TO DUMP:	00:00	03:18	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	2,290	DISCONNECTING:	00:00	00:00	0.0	
GALLONS OF WATER CONSUMED					GAL	935	TO CUT:	00:00	04:28	0.0	
					TOTALS:	00:00	07:54	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	00:39	0.0			
2	2,635	Mobile Site 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			
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	00:39	0.0			
					LOST TIME:						
					MAJOR REPAIRS AND ALTERNATIONS	00:00	15:27	0.0			
					CESSATION:	00:00	00:00	0.0			
					COLLISIONS:	00:00	00:00	0.0			
					TOTALS:	00:00	15:27	0.0			
					TOTAL TIME/MILES:	00:00	24:00	0.0			

**QUALITY CONTROL REPORT-HOPPER DREDGE**

<b>CONTRACT NO.</b> W9127820F0032	<b>CONTRACT TITLE</b> IDIQ Hopper Dredge for Mobile Harbor	<b>CONTRACTOR</b> Dutra Dredging Co.	<b>REPORT NO.</b> 19
<b>DREDGE</b>	<b>NAME AND TYPE</b> Columbia Hopper Dredge		<b>DATE</b> 01/07/2020

**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 245+00 to 267+73 Mobile Site 102 - SW	00:00 00:00	0 0	198 8 0	206 2,635 0
2	Sta 245+00 to 267+73 Mobile Site 102 - SW	03:26 03:26	0 0	0 0 268	268 0 0

**QC NARRATIVE(S)**

**GENERAL COMMENTS**

Dredge is dockside for maintenance

<b>CONTRACTOR CERTIFICATION</b>	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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<b>QC REPRESENTATIVE'S SIGNATURE</b>	<b>DATE</b>	<b>SUPERINTENDENT'S INITIALS</b>	<b>DATE</b>
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QUALITY CONTROL REPORT-HOPPER DREDGE										PAGE NO. Page 39 of 377				
CONTRACT NO. W9127820F0001 W9127820F0032		CONTRACT TITLE IDIQ Hopper Dredge for Mobile Harbor				CONTRACTOR Dutra Dredging Co.				REPORT NO. 20				
CHARACTER OF REPORT		<input checked="" type="checkbox"/> MAINTENANCE <input type="checkbox"/> NEW WORK						DATE 01/08/2020						
DREDGE  Columbia Hopper Dredge		HOPPER CAP: 4387 CY			AVG VOL OF BIN WATER: 0 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 400+00 to 450+00 and Sta 245+00 to 267+73			Mobile Site 102 - SW		0		89,620			
		AVG LENGTH OF CUT 5000 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@		55 °F				
RIVER/TIDE STAGE		MIN 0.00		TIME 00:00		MAX 0.00		TIME 00:00		GAGE LOCATION				
		MIN 0.00		TIME 00:00		MAX 0.00		TIME 00:00		GAGE DATUM				
WEATHER CONDITION		WEATHER Weather Caused No Delay				TEMP 35 °F / 65 °F		VISIBILITY 10 MI		WIND 20 MPH				
DRAFT						DISTRIBUTION OF TIME AND MILES RUN								
		LIGHT		LOADED				AGITATING (MIN)		DREDGE & HAUL (MIN)		MILES RUN (NAUT MI)		
FORWARD		8		16		EFFECTIVE WORKING TIME:								
AFT		10		15		PUMPING:		00:00		00:00		0.0		
DRAG DEPTH		MAX 0		MIN 0		TURNING:		00:00		00:00		0.0		
INDICATORS LAST CHECKED ON		08/14/2019												
AVERAGE SPEED OF DREDGE DURING LOADING		FT/MIN		0		TO DUMP:		00:00		00:00		0.0		
AVERAGE SPEED OF DREDGE DURING AGITATING		FT/MIN		0		CONNECTING:		00:00		00:00		0.0		
GALLONS OF FUEL OIL CONSUMED		GAL		0		DUMPING:		00:00		00:00		0.0		
GALLONS OF WATER CONSUMED		GAL		0		DISCONNECTING:		00:00		00:00		0.0		
						TO CUT:		00:00		00:00		0.0		
						TOTALS:		00:00		00:00		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	
								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		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

<b>QUALITY CONTROL REPORT-HOPPER DREDGE</b>			<b>PAGE NO.</b> Page 40 of 377
<b>CONTRACT NO.</b> W9127820F0032	<b>CONTRACT TITLE</b> IDIQ Hopper Dredge for Mobile Harbor	<b>CONTRACTOR</b> Dutra Dredging Co.	<b>REPORT NO.</b> 20
<b>DREDGE</b>	<b>NAME AND TYPE</b> Columbia Hopper Dredge	<b>DATE</b> 01/08/2020	

**QC NARRATIVE(S)**

**GENERAL COMMENTS**

Dredge is dockside for maintenance

<b>CONTRACTOR CERTIFICATION</b>	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.		
<b>QC REPRESENTATIVE'S SIGNATURE</b>	<b>DATE</b>	<b>SUPERINTENDENT'S INITIALS</b>	<b>DATE</b>



QUALITY CONTROL REPORT-HOPPER DREDGE										PAGE NO. Page 41 of 377		
CONTRACT NO. W9127820F0001 W9127820F0032		CONTRACT TITLE IDIQ Hopper Dredge for Mobile Harbor				CONTRACTOR Dutra Dredging Co.				REPORT NO. 21		
CHARACTER OF REPORT		<input checked="" type="checkbox"/> MAINTENANCE <input type="checkbox"/> NEW WORK						DATE 01/09/2020				
DREDGE  Columbia Hopper Dredge		HOPPER CAP: 4387 CY			AVG VOL OF BIN WATER: 0 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 400+00 to 450+00 and Sta 245+00 to 267+73			Mobile Site 102 - SW		0		89,620	
		AVG LENGTH OF CUT 5000 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@		55 °F		
RIVER/TIDE STAGE		MIN 0.00		TIME 00:00		MAX 0.00		TIME 00:00		GAGE LOCATION		
		MIN 0.00		TIME 00:00		MAX 0.00		TIME 00:00		GAGE DATUM		
WEATHER CONDITION		WEATHER Weather Caused No Delay				TEMP 35 °F / 60 °F		VISIBILITY 10 MI		WIND 20 MPH		
DRAFT						DISTRIBUTION OF TIME AND MILES RUN						
		LIGHT		LOADED				AGITATING (MIN)		DREDGE & HAUL (MIN)		MILES RUN (NAUT MI)
FORWARD		8		16		EFFECTIVE WORKING TIME:						
AFT		10		15		PUMPING:		00:00		00:00		0.0
DRAG DEPTH		MAX 0		MIN 0		TURNING:		00:00		00:00		0.0
INDICATORS LAST CHECKED ON		08/14/2019										
AVERAGE SPEED OF DREDGE DURING LOADING		FT/MIN		0		TO DUMP:		00:00		00:00		0.0
AVERAGE SPEED OF DREDGE DURING AGITATING		FT/MIN		0		CONNECTING:		00:00		00:00		0.0
GALLONS OF FUEL OIL CONSUMED		GAL		0		DUMPING:		00:00		00:00		0.0
GALLONS OF WATER CONSUMED		GAL		0		DISCONNECTING:		00:00		00:00		0.0
						TO CUT:		00:00		00:00		0.0
						TOTALS:		00:00		00:00		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
						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		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

<b>QUALITY CONTROL REPORT-HOPPER DREDGE</b>			<b>PAGE NO.</b> Page 42 of 377
<b>CONTRACT NO.</b> W9127820F0032	<b>CONTRACT TITLE</b> IDIQ Hopper Dredge for Mobile Harbor	<b>CONTRACTOR</b> Dutra Dredging Co.	<b>REPORT NO.</b> 21
<b>DREDGE</b>	<b>NAME AND TYPE</b> Columbia Hopper Dredge	<b>DATE</b> 01/09/2020	

**QC NARRATIVE(S)**

**GENERAL COMMENTS**

Dredge is dockside for maintenance

<b>CONTRACTOR CERTIFICATION</b>	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.		
<b>QC REPRESENTATIVE'S SIGNATURE</b>	<b>DATE</b>	<b>SUPERINTENDENT'S INITIALS</b>	<b>DATE</b>

QUALITY CONTROL REPORT-HOPPER DREDGE											PAGE NO. Page 43 of 377	
CONTRACT NO. W9127820F0001 W9127820F0032		CONTRACT TITLE IDIQ Hopper Dredge for Mobile Harbor				CONTRACTOR Dutra Dredging Co.				REPORT NO. 22		
CHARACTER OF REPORT		<input checked="" type="checkbox"/> MAINTENANCE <input type="checkbox"/> NEW WORK								DATE 01/10/2020		
DREDGE Columbia Hopper Dredge		HOPPER CAP: 4387 CY				AVG VOL OF BIN WATER: 0 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 Sta 400+00 to 450+00 and Sta 245+00 to 267+73				DISPOSAL AREA USE		QTY DEPOSITED GROSS(CY)	CUMULATIVE AND QTY DEPOSIT FOR DA(CY)	
		Mobile Bay		5000 FT		400 FT		AVG DIST TO DUMP		36 NM		
CHARACTER OF MATERIAL		DENSITY OF MATERIALS				1250				GMS/LITER 1250		
		DENSITY OF WATER				1006				GMS/LITER@ 55 °F		
RIVER/TIDE STAGE		MIN 0.00		TIME 00:00		MAX 0.00		TIME 00:00		GAGE LOCATION		
		MIN 0.00		TIME 00:00		MAX 0.00		TIME 00:00		GAGE DATUM		
WEATHER CONDITION		WEATHER Weather Caused No Delay				TEMP 35 °F / 60 °F		VISIBILITY 10 MI		WIND 20 MPH		
DRAFT						DISTRIBUTION OF TIME AND MILES RUN						
LIGHT		LOADED				AGITATING (MIN)		DREDGE & HAUL (MIN)		MILES RUN (NAUT MI)		
FORWARD		8		16		EFFECTIVE WORKING TIME:						
AFT		10		15		PUMPING:		00:00		00:00		
DRAG DEPTH		MAX 0		MIN 0		TURNING:		00:00		00:00		
INDICATORS LAST CHECKED ON		08/14/2019				TO DUMP:		00:00		00:00		
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		00:00		
GALLONS OF FUEL OIL CONSUMED		GAL		0		DISCONNECTING:		00:00		00:00		
GALLONS OF WATER CONSUMED		GAL		0		TO CUT:		00:00		00:00		
NON-EFFECTIVE WORKING TIME:						TOTALS:		00:00		00:00		
WORK PERFORMED						TAKING ON FUEL AND SUPPLIES		00:00		00:00		
DREDGING AND HAULING				AGITATING		TO AND FROM WHARF OR ANCHORAGE:		00:00		00:00		
NO.OF LOADS	TOTAL CYS	DISPOSAL AREA		TOTAL CYS		LOSS DUE TO NATURAL ELEMENTS:		00:00		00:00		
						LOSS DUE TO TRAFFIC AND BRIDGES		00:00		00:00		
						MINOR OPERATING REPAIRS		00:00		00:00		
						TRANSFERRING BETWEEN WORKS		00:00		00:00		
ATTENDANT PLANT						LAY TIME:		00:00		00:00		
ITEM		NAME OR NUMBER		H.P.	HOURS	FIRE AND BOAT DRILLS:		00:00		00:00		
Crew Boat		Cape Anne		400	24:00	MISCELLANEOUS		00:00		00:00		
						TOTALS		00:00		00:00		
LOST TIME:						MAJOR REPAIRS AND ALTERNATIONS		00:00		24:00		
						CESSATION:		00:00		00:00		
						COLLISIONS:		00:00		00:00		
						TOTALS:		00:00		24:00		
						TOTAL TIME/MILES:		00:00		24:00		

<b>QUALITY CONTROL REPORT-HOPPER DREDGE</b>			<b>PAGE NO.</b> Page 44 of 377
<b>CONTRACT NO.</b> W9127820F0032	<b>CONTRACT TITLE</b> IDIQ Hopper Dredge for Mobile Harbor	<b>CONTRACTOR</b> Dutra Dredging Co.	<b>REPORT NO.</b> 22
<b>DREDGE</b>	<b>NAME AND TYPE</b> Columbia Hopper Dredge	<b>DATE</b> 01/10/2020	

**QC NARRATIVE(S)**

**GENERAL COMMENTS**

Dredge is dockside for maintenance

<b>CONTRACTOR CERTIFICATION</b>	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.		
<b>QC REPRESENTATIVE'S SIGNATURE</b>	<b>DATE</b>	<b>SUPERINTENDENT'S INITIALS</b>	<b>DATE</b>

QUALITY CONTROL REPORT-HOPPER DREDGE										PAGE NO. Page 45 of 377			
CONTRACT NO. W9127820F0032		CONTRACT TITLE IDIQ Hopper Dredge for Mobile Harbor				CONTRACTOR Dutra Dredging Co.				REPORT NO. 23			
CHARACTER OF REPORT		<input checked="" type="checkbox"/> MAINTENANCE <input type="checkbox"/> NEW WORK						DATE 01/11/2020					
DREDGE Columbia Hopper Dredge		HOPPER CAP: 4387 CY			AVG VOL OF BIN WATER: 0 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 400+00 to 450+00 and Sta 245+00 to 267+73			Mobile Site 102 - SW		0		89,620		
		AVG LENGTH OF CUT 5000 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@		55 °F			
RIVER/TIDE STAGE		MIN 0.00		TIME 00:00		MAX 0.00		TIME 00:00		GAGE LOCATION			
		MIN 0.00		TIME 00:00		MAX 0.00		TIME 00:00		GAGE DATUM			
WEATHER CONDITION		WEATHER Weather Caused Non-Critical Delay				TEMP 35 °F / 65 °F		VISIBILITY 10 MI		WIND 20 MPH			
DRAFT						DISTRIBUTION OF TIME AND MILES RUN							
		LIGHT		LOADED				AGITATING (MIN)		DREDGE & HAUL (MIN)		MILES RUN (NAUT MI)	
FORWARD		8		16		EFFECTIVE WORKING TIME:							
AFT		10		15		PUMPING:		00:00		00:27		0.0	
DRAG DEPTH		MAX 0		MIN 0		TURNING:		00:00		00:00		0.0	
INDICATORS LAST CHECKED ON		08/14/2019				TO DUMP:		00:00		02:29		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		0		DISCONNECTING:		00:00		00:00		0.0	
GALLONS OF WATER CONSUMED		GAL		750		TO CUT:		00:00		00:00		0.0	
						TOTALS:		00:00		02:56		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		00:45		0.0	
NO.OF LOADS		TOTAL CYS		DISPOSAL AREA		TOTAL CYS		LOSS DUE TO NATURAL ELEMENTS:		00:00		04:04	0.0
1		0		Mobile Site 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
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		04:49	0.0
								LOST TIME:					
								MAJOR REPAIRS AND ALTERNATIONS		00:00		16:15	0.0
								CESSATION:		00:00		00:00	0.0
								COLLISIONS:		00:00		00:00	0.0
								TOTALS:		00:00		16:15	0.0
								TOTAL TIME/MILES:		00:00		24:00	0.0

<b>QUALITY CONTROL REPORT-HOPPER DREDGE</b>			<b>PAGE NO.</b> Page 46 of 377
<b>CONTRACT NO.</b> W9127820F0032	<b>CONTRACT TITLE</b> IDIQ Hopper Dredge for Mobile Harbor	<b>CONTRACTOR</b> Dutra Dredging Co.	<b>REPORT NO.</b> 23
<b>DREDGE</b>	<b>NAME AND TYPE</b> Columbia Hopper Dredge		<b>DATE</b> 01/11/2020

<b>LOADS</b>					
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	400+00 to 450+00 Mobile Site 102 - SW	00:00 00:27	27 0	149 0 0	176 0 0

**QC NARRATIVE(S)**

**GENERAL COMMENTS**

Dock side for repairs - 975 mins  
To/from - 45 mins  
Weather (7-9' seas) - 244 mins

<b>CONTRACTOR CERTIFICATION</b>	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.		
<b>QC REPRESENTATIVE'S SIGNATURE</b>	<b>DATE</b>	<b>SUPERINTENDENT'S INITIALS</b>	<b>DATE</b>

QUALITY CONTROL REPORT-HOPPER DREDGE										PAGE NO. Page 47 of 377	
CONTRACT NO. W9127820F0001 W9127820F0032		CONTRACT TITLE IDIQ Hopper Dredge for Mobile Harbor				CONTRACTOR Dutra Dredging Co.				REPORT NO. 24	
CHARACTER OF REPORT		<input checked="" type="checkbox"/> MAINTENANCE <input type="checkbox"/> NEW WORK						DATE 01/12/2020			
DREDGE  Columbia Hopper Dredge		HOPPER CAP: 4387 CY			AVG VOL OF BIN WATER: 0 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 245+00 to 275+00			Mobile Site 102 - SW		5,270	94,890	
CHARACTER OF MATERIAL		DENSITY OF MATERIALS			1250			GMS/LITER		1250	
		DENSITY OF WATER			1006			GMS/LITER@		55 °F	
RIVER/TIDE STAGE		MIN 0.00		TIME 00:00		MAX 0.00		TIME 00:00		GAGE LOCATION	
		MIN 0.00		TIME 00:00		MAX 0.00		TIME 00:00		GAGE DATUM	
WEATHER CONDITION		WEATHER Weather Caused Critical Delay			TEMP 56 °F / 68 °F		VISIBILITY 10 MI		WIND 25/SW MPH		
DRAFT					DISTRIBUTION OF TIME AND MILES RUN						
		LIGHT		LOADED				AGITATING (MIN)	DREDGE & HAUL (MIN)	MILES RUN (NAUT MI)	
FORWARD		8		16		EFFECTIVE WORKING TIME:					
AFT		10		15		PUMPING:	00:00	01:44	0.0		
DRAG DEPTH		MAX 0		MIN 0		TURNING:	00:00	00:03	0.0		
INDICATORS LAST CHECKED ON		08/14/2019		TO DUMP:	00:00	05:45	0.0	CONNECTING:	00:00	00:00	0.0
AVERAGE SPEED OF DREDGE DURING LOADING		FT/MIN		0		DUMPING:	00:00	00:50	0.0		
AVERAGE SPEED OF DREDGE DURING AGITATING		FT/MIN		0		DISCONNECTING:	00:00	00:00	0.0		
GALLONS OF FUEL OIL CONSUMED		GAL		580		TO CUT:	00:00	08:15	0.0		
GALLONS OF WATER CONSUMED		GAL		561		TOTALS:	00:00	16:37	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 Site 102 - SW		0	LOSS DUE TO NATURAL ELEMENTS:	00:00	07:23	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	07:23	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****CONTRACT NO.**  
W9127820F0001  
W9127820F0032**CONTRACT TITLE**  
IDIQ Hopper Dredge for Mobile Harbor**CONTRACTOR**  
Dutra Dredging Co.**REPORT NO.**  
24**DREDGE**NAME AND TYPE  
Columbia Hopper Dredge**DATE**  
01/12/2020**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	245+00 to 275+00	07:23	0	57	82
	Mobile Site 102 - SW	07:23	0	25	2,635
				0	0
2	245+00 to 275+00	08:45	47	225	560
	Mobile Site 102 - SW	09:35	3	25	2,635
				260	0
3	245+00 to 275+00	18:05	57	63	355
	Mobile Site 102 - SW	19:02	0	0	0
				235	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 49 of 377	
CONTRACT NO. W9127820F0001 W9127820F0032		CONTRACT TITLE IDIQ Hopper Dredge for Mobile Harbor				CONTRACTOR Dutra Dredging Co.				REPORT NO. 25	
CHARACTER OF REPORT		<input checked="" type="checkbox"/> MAINTENANCE <input type="checkbox"/> NEW WORK						DATE 01/13/2020			
DREDGE  Columbia Hopper Dredge		HOPPER CAP: 4387 CY			AVG VOL OF BIN WATER: 0 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 245+00 to 275+00			Mobile Site 102 - SW	7,905	102,795			
CHARACTER OF MATERIAL		AVG LENGTH OF CUT 3000 FT			AVG WIDTH OF CUT 400 FT			AVG DIST TO DUMP 36 NM			
		DENSITY OF MATERIALS				1250		GMS/LITER		1250	
RIVER/TIDE STAGE		DENSITY OF WATER				1006		GMS/LITER@		55 °F	
		MIN 0.00	TIME 00:00	MAX 0.00	TIME 00:00	GAGE LOCATION					
WEATHER CONDITION		WEATHER			TEMP		VISIBILITY		WIND		
		Weather Caused Critical Delay			56 °F / 68 °F		10 MI		10/SW MPH		
DRAFT					DISTRIBUTION OF TIME AND MILES RUN						
	LIGHT		LOADED			AGITATING (MIN)	DREDGE & HAUL (MIN)	MILES RUN (NAUT MI)			
FORWARD	8		16		EFFECTIVE WORKING TIME:						
AFT	10		15		PUMPING:	00:00	01:27	0.0			
DRAG DEPTH	MAX 0	MIN 0									
INDICATORS LAST CHECKED ON	08/14/2019										
AVERAGE SPEED OF DREDGE DURING LOADING	FT/MIN	0									
AVERAGE SPEED OF DREDGE DURING AGITATING	FT/MIN	0									
GALLONS OF FUEL OIL CONSUMED	GAL	1,573									
GALLONS OF WATER CONSUMED	GAL	561									
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		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.**  
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**CONTRACT NO.**  
W9127820F0001  
W9127820F0032

**CONTRACT TITLE**  
IDIQ Hopper Dredge for Mobile Harbor

**CONTRACTOR**  
Dutra Dredging Co.

**REPORT NO.**  
25

**DREDGE**

**NAME AND TYPE**  
Columbia Hopper Dredge

**DATE**  
01/13/2020

**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	245+00 to 275+00	00:00	0	154	179
	Mobile Site 102 - SW	00:00	0	25	2,635
				0	0
2	400+00 to 450+00	02:59	30	207	509
	Mobile Site 102 - SW	03:29	0	26	2,635
				246	0
3	400+00 to 450+00	11:28	57	246	563
	Mobile Site 102 - SW	12:25	0	29	2,635
				231	0
4	245+00 to 275+00	20:51	0	0	189
	Mobile Site 102 - SW	20:51	0	0	0
				189	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 51 of 377	
CONTRACT NO. W9127820F0001 W9127820F0032		CONTRACT TITLE IDIQ Hopper Dredge for Mobile Harbor				CONTRACTOR Dutra Dredging Co.				REPORT NO. 26	
CHARACTER OF REPORT		<input checked="" type="checkbox"/> MAINTENANCE <input type="checkbox"/> NEW WORK						DATE 01/14/2020			
DREDGE  Columbia Hopper Dredge		HOPPER CAP: 4387 CY			AVG VOL OF BIN WATER: 0 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 400+00 to 450+00			Mobile Site 102 - SW		7,905		110,700
CHARACTER OF MATERIAL		AVG LENGTH OF CUT			AVG WIDTH OF CUT			AVG DIST TO DUMP		36 NM	
		DENSITY OF MATERIALS				1250				GMS/LITER	
RIVER/TIDE STAGE		DENSITY OF WATER			1006			GMS/LITER@		55 °F	
		MIN 0.00		TIME 00:00		MAX 0.00		TIME 00:00		GAGE LOCATION	
WEATHER CONDITION		MIN 0.00			TIME 00:00		MAX 0.00		TIME 00:00		GAGE DATUM
		WEATHER Weather Caused No Delay				TEMP 62 °F / 70 °F		VISIBILITY 2 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		16		EFFECTIVE WORKING TIME:					
AFT		10		15		PUMPING:		00:00		02:05 0.0	
DRAG DEPTH		MAX 0		MIN 0		TURNING:		00:00		00:00 0.0	
INDICATORS LAST CHECKED ON 08/14/2019						TO DUMP:		00:00		10:16 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		00:50 0.0	
GALLONS OF FUEL OIL CONSUMED		GAL		1,791		DISCONNECTING:		00:00		00:00 0.0	
GALLONS OF WATER CONSUMED		GAL		748		TO CUT:		00:00		10:49 0.0	
TOTALS:						00:00		24:00		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 0.0	
3		7,905		Mobile Site 102 - SW		0		LOSS DUE TO TRAFFIC AND BRIDGES		00:00 0.0	
								MINOR OPERATING REPAIRS		00:00 0.0	
								TRANSFERRING BETWEEN WORKS		00:00 0.0	
								LAY TIME:		00:00 0.0	
								FIRE AND BOAT DRILLS:		00:00 0.0	
								MISCELLANEOUS		00:00 0.0	
								TOTALS		00:00 0.0	
ATTENDANT PLANT						LOST TIME:					
ITEM		NAME OR NUMBER		H.P.		HOURS		MAJOR REPAIRS AND ALTERNATIONS		00:00 0.0	
Crew Boat		Cape Anne		400		24:00		CESSATION:		00:00 0.0	
								COLLISIONS:		00:00 0.0	
								TOTALS:		00:00 0.0	
								TOTAL TIME/MILES:		00:00 24:00 0.0	

**QUALITY CONTROL REPORT-HOPPER DREDGE**

**PAGE NO.**  
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<b>CONTRACT NO.</b> W9127820F0001 W9127820F0032	<b>CONTRACT TITLE</b> IDIQ Hopper Dredge for Mobile Harbor	<b>CONTRACTOR</b> Dutra Dredging Co.	<b>REPORT NO.</b> 26
<b>DREDGE</b>	<b>NAME AND TYPE</b> Columbia Hopper Dredge		<b>DATE</b> 01/14/2020

**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	400+00 to 450+00	00:00	41	290	457
	Mobile Site 102 - SW	00:41	0	25	2,635
				101	0
2	400+00 to 450+00	07:37	38	266	652
	Mobile Site 102 - SW	08:15	0	25	2,635
				323	0
3	400+00 to 450+00	18:29	46	60	331
	Mobile Site 102 - SW	19:15	0	0	2,635
				225	0

**QC NARRATIVE(S)**

<b>CONTRACTOR CERTIFICATION</b>	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.		
<b>QC REPRESENTATIVE'S SIGNATURE</b>	<b>DATE</b>	<b>SUPERINTENDENT'S INITIALS</b>	<b>DATE</b>

QUALITY CONTROL REPORT-HOPPER DREDGE										PAGE NO. Page 53 of 377	
CONTRACT NO. W9127820F0001 W9127820F0032		CONTRACT TITLE IDIQ Hopper Dredge for Mobile Harbor				CONTRACTOR Dutra Dredging Co.				REPORT NO. 27	
CHARACTER OF REPORT		<input checked="" type="checkbox"/> MAINTENANCE <input type="checkbox"/> NEW WORK								DATE 01/15/2020	
DREDGE Columbia Hopper Dredge		HOPPER CAP: 4387 CY				AVG VOL OF BIN WATER: 0 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 400+00 to 450+00				Mobile Site 102 - SW		7,905	118,605
CHARACTER OF MATERIAL		DENSITY OF MATERIALS				1250				GMS/LITER 1250	
		DENSITY OF WATER				1006				GMS/LITER@ 55 °F	
RIVER/TIDE STAGE		MIN 0.00		TIME 00:00		MAX 0.00		TIME 00:00		GAGE LOCATION	
		MIN 0.00		TIME 00:00		MAX 0.00		TIME 00:00		GAGE DATUM	
WEATHER CONDITION		WEATHER Weather Caused Non-Critical Delay				TEMP 61 °F / 72 °F		VISIBILITY 2 MI		WIND 8/SE MPH	
DRAFT						DISTRIBUTION OF TIME AND MILES RUN					
LIGHT		LOADED						AGITATING (MIN)	DREDGE & HAUL (MIN)	MILES RUN (NAUT MI)	
FORWARD		8		16		EFFECTIVE WORKING TIME:					
AFT		10		15		PUMPING:	00:00	01:27	0.0		
DRAG DEPTH		MAX 0		MIN 0		TURNING:	00:00	00:00	0.0		
INDICATORS LAST CHECKED ON		08/14/2019				TO DUMP:	00:00	10:50	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	00:35	0.0		
GALLONS OF FUEL OIL CONSUMED		GAL		1,709		DISCONNECTING:	00:00	00:00	0.0		
GALLONS OF WATER CONSUMED		GAL		1,309		TO CUT:	00:00	11:08	0.0		
						TOTALS:	00:00	24:00	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		
4	7,905	Mobile Site 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		
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**

<b>CONTRACT NO.</b> W9127820F0032	<b>CONTRACT TITLE</b> IDIQ Hopper Dredge for Mobile Harbor	<b>CONTRACTOR</b> Dutra Dredging Co.	<b>REPORT NO.</b> 27
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<b>DREDGE</b>	NAME AND TYPE Columbia Hopper Dredge	<b>DATE</b> 01/15/2020
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**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	245+00 to 275+00	00:00	0	151	155
	Mobile Site 102 - SW	00:00	0	4	2,635
				0	0
2	400+00 to 450+00	02:35	54	258	566
	Mobile Site 102 - SW	03:29	0	25	2,635
				229	0
3	400+00 to 450+00	12:01	33	241	564
	Mobile Site 102 - SW	12:34	0	6	2,635
				284	0
4	245+00 to 275+00	21:25	0	0	155
	Mobile Site 102 - SW	21:25	0	0	0
				155	0

**QC NARRATIVE(S)**

<b>CONTRACTOR CERTIFICATION</b>	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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<b>QC REPRESENTATIVE'S SIGNATURE</b>	<b>DATE</b>	<b>SUPERINTENDENT'S INITIALS</b>	<b>DATE</b>

QUALITY CONTROL REPORT-HOPPER DREDGE										PAGE NO. Page 55 of 377	
CONTRACT NO. W9127820F0001 W9127820F0032		CONTRACT TITLE IDIQ Hopper Dredge for Mobile Harbor				CONTRACTOR Dutra Dredging Co.				REPORT NO. 28	
CHARACTER OF REPORT		<input checked="" type="checkbox"/> MAINTENANCE <input type="checkbox"/> NEW WORK						DATE 01/16/2020			
DREDGE  Columbia Hopper Dredge		HOPPER CAP: 4387 CY			AVG VOL OF BIN WATER: 0 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 400+00 to 450+00 and 450+00 to 510+00			Mobile Site 102 - SW		7,905	126,510
CHARACTER OF MATERIAL		AVG LENGTH OF CUT			AVG WIDTH OF CUT			AVG DIST TO DUMP			
		5000 FT			400 FT			36 NM			
CHARACTER OF MATERIAL		DENSITY OF MATERIALS				1250		GMS/LITER		1250	
		DENSITY OF WATER				1006		GMS/LITER@		55 °F	
RIVER/TIDE STAGE		MIN 0.00		TIME 00:00		MAX 0.00		TIME 00:00		GAGE LOCATION	
		MIN 0.00		TIME 00:00		MAX 0.00		TIME 00:00		GAGE DATUM	
WEATHER CONDITION		WEATHER Weather Caused No Delay				TEMP 65 °F / 73 °F		VISIBILITY 5 MI		WIND 18/N MPH	
DRAFT						DISTRIBUTION OF TIME AND MILES RUN					
		LIGHT		LOADED				AGITATING (MIN)	DREDGE & HAUL (MIN)	MILES RUN (NAUT MI)	
FORWARD		8		16		EFFECTIVE WORKING TIME:					
AFT		10		15		PUMPING:	00:00	01:53	0.0		
DRAG DEPTH		MAX 0		MIN 0		TURNING:	00:00	00:00	0.0		
INDICATORS LAST CHECKED ON		08/14/2019		TO DUMP:	00:00	10:59	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	00:54	0.0		
GALLONS OF FUEL OIL CONSUMED		GAL		1,438		DISCONNECTING:	00:00	00:00	0.0		
GALLONS OF WATER CONSUMED		GAL		561		TO CUT:	00:00	10:14	0.0		
						TOTALS:	00:00	24:00	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		
4	7,905	Mobile Site 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		
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**

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<b>CONTRACT NO.</b> W9127820F0001 W9127820F0032	<b>CONTRACT TITLE</b> IDIQ Hopper Dredge for Mobile Harbor	<b>CONTRACTOR</b> Dutra Dredging Co.	<b>REPORT NO.</b>  28
<b>DREDGE</b>	<b>NAME AND TYPE</b> Columbia Hopper Dredge		<b>DATE</b> 01/16/2020

**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	400+00 to 450+00 Mobile Site 102 - SW	00:00 00:34	34 0	250	390
				25	2,635
				81	0
2	400+00 to 450+00 Mobile Site 102 - SW	06:30 07:13	43 0	211	513
				4	2,635
				255	0
3	450+00 to 510+00 Mobile Site 102 - SW	15:03 15:39	36 0	198	450
				25	2,635
				191	0
4	450+00 to 510+00 Mobile Site 102 - SW	22:33 22:33	0 0	0	87
				0	0
				87	0

**QC NARRATIVE(S)**

<b>CONTRACTOR CERTIFICATION</b>	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.		
<b>QC REPRESENTATIVE'S SIGNATURE</b>	<b>DATE</b>	<b>SUPERINTENDENT'S INITIALS</b>	<b>DATE</b>



QUALITY CONTROL REPORT-HOPPER DREDGE										PAGE NO. Page 57 of 377	
CONTRACT NO. W9127820F0001 W9127820F0032		CONTRACT TITLE IDIQ Hopper Dredge for Mobile Harbor				CONTRACTOR Dutra Dredging Co.				REPORT NO. 29	
CHARACTER OF REPORT		<input checked="" type="checkbox"/> MAINTENANCE <input type="checkbox"/> NEW WORK						DATE 01/17/2020			
DREDGE Columbia Hopper Dredge		HOPPER CAP: 4387 CY		AVG VOL OF BIN WATER: 0 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 450+00 to 510+00		Mobile Site 102 - SW	5,270	131,780				
CHARACTER OF MATERIAL		AVG LENGTH OF CUT 6000 FT		AVG WIDTH OF CUT 400 FT		AVG DIST TO DUMP 35 NM					
		DENSITY OF MATERIALS				1250	GMS/LITER	1250			
RIVER/TIDE STAGE		DENSITY OF WATER				1006	GMS/LITER@	55 °F			
		MIN 0.00	TIME 00:00	MAX 0.00	TIME 00:00	GAGE LOCATION					
WEATHER CONDITION		WEATHER Weather Caused Critical Delay		TEMP 64 °F / 72 °F	VISIBILITY 10 MI	WIND 20/E MPH					
DRAFT					DISTRIBUTION OF TIME AND MILES RUN						
FORWARD	LIGHT	LOADED				AGITATING (MIN)	DREDGE & HAUL (MIN)	MILES RUN (NAUT MI)			
	8	16			EFFECTIVE WORKING TIME:						
AFT	10	15			PUMPING:	00:00	01:43	0.0			
DRAG DEPTH    MAX 0		MIN 0			TURNING:	00:00	00:00	0.0			
INDICATORS LAST CHECKED ON    08/14/2019					TO DUMP:	00:00	09:15	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	00:29	0.0		
GALLONS OF FUEL OIL CONSUMED		GAL	2,482			DISCONNECTING:	00:00	00:00	0.0		
GALLONS OF WATER CONSUMED		GAL	561			TO CUT:	00:00	08:31	0.0		
					TOTALS:	00:00	19:58	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 3	TOTAL CYS 5,270	DISPOSAL AREA Mobile Site 102 - SW		TOTAL CYS 0	LOSS DUE TO NATURAL ELEMENTS:	00:00	03:17	0.0			
					LOSS DUE TO TRAFFIC AND BRIDGES	00:00	00:45	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	04:02	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			

<b>QUALITY CONTROL REPORT-HOPPER DREDGE</b>			PAGE NO. Page 58 of 377	
<b>CONTRACT NO.</b> W9127820F0032	<b>CONTRACT TITLE</b> IDIQ Hopper Dredge for Mobile Harbor	<b>CONTRACTOR</b> Dutra Dredging Co.		<b>REPORT NO.</b> 29
<b>DREDGE</b>	<b>NAME AND TYPE</b> Columbia Hopper Dredge			<b>DATE</b> 01/17/2020

**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	450+00 to 510+00	00:00	37	203	353
	Mobile Site 102 - SW	00:37	0	4 109	2,635 0
2	450+00 to 510+00	05:53	32	195	462
	Mobile Site 102 - SW	06:25	0	25 210	2,635 0
3	450+00 to 510+00	14:20	34	157	383
	Mobile Site 102 - SW	14:54	0	0 192	0 0

**QC NARRATIVE(S)**

<b>CONTRACTOR CERTIFICATION</b>	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.		
<b>QC REPRESENTATIVE'S SIGNATURE</b>	<b>DATE</b>	<b>SUPERINTENDENT'S INITIALS</b>	<b>DATE</b>

QUALITY CONTROL REPORT-HOPPER DREDGE							PAGE NO.		
							Page 59 of 377		
CONTRACT NO. W9127820F0001 W9127820F0032		CONTRACT TITLE IDIQ Hopper Dredge for Mobile Harbor			CONTRACTOR Dutra Dredging Co.		REPORT NO. 30		
CHARACTER OF REPORT		<input checked="" type="checkbox"/> MAINTENANCE <input type="checkbox"/> NEW WORK					DATE 01/18/2020		
DREDGE  Columbia Hopper Dredge		HOPPER CAP: 4387 CY		AVG VOL OF BIN WATER: 0 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 450+00 to 510+00		Mobile Site 102 - SW	0	131,780		
CHARACTER OF MATERIAL		AVG LENGTH OF CUT 6000 FT		AVG WIDTH OF CUT 400 FT		AVG DIST TO DUMP 35 NM			
		DENSITY OF MATERIALS				1250	GMS/LITER	1250	
RIVER/TIDE STAGE		DENSITY OF WATER				1006	GMS/LITER@	55 °F	
		MIN 0.00	TIME 00:00	MAX 0.00	TIME 00:00	GAGE LOCATION			
WEATHER CONDITION		MIN 0.00		TIME 00:00		MAX 0.00		TIME 00:00	
		WEATHER Weather Caused Critical Delay		TEMP 62 °F / 70 °F		VISIBILITY 10 MI		WIND 25/E MPH	
DRAFT				DISTRIBUTION OF TIME AND MILES RUN					
LIGHT		LOADED				AGITATING (MIN)	DREDGE & HAUL (MIN)	MILES RUN (NAUT MI)	
FORWARD		8		16		EFFECTIVE WORKING TIME:			
AFT		10		15		PUMPING:	00:00	00:00	0.0
DRAG DEPTH		MAX 0		MIN 0		TURNING:	00:00	00:00	0.0
INDICATORS LAST CHECKED ON		08/14/2019				TO DUMP:	00:00	00:18	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		241		DISCONNECTING:	00:00	00:00	0.0
GALLONS OF WATER CONSUMED		GAL		561		TO CUT:	00:00	00:00	0.0
WORK PERFORMED				NON-EFFECTIVE WORKING TIME:					
DREDGING AND HAULING		AGITATING				TOTALS:	00:00	00:18	0.0
NO.OF LOADS	TOTAL CYS	DISPOSAL AREA		TOTAL CYS		TAKING ON FUEL AND SUPPLIES	00:00	00:00	0.0
1	0	Mobile Site 102 - SW		0		TO AND FROM WHARF OR ANCHORAGE:	00:00	00:00	0.0
						LOSS DUE TO NATURAL ELEMENTS:	00:00	23:42	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:					
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	23:42	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

<b>QUALITY CONTROL REPORT-HOPPER DREDGE</b>					<b>PAGE NO.</b>
					Page 60 of 377
<b>CONTRACT NO.</b> W9127820F0001 W9127820F0032	<b>CONTRACT TITLE</b> IDIQ Hopper Dredge for Mobile Harbor	<b>CONTRACTOR</b> Dutra Dredging Co.	<b>REPORT NO.</b> 30		
<b>DREDGE</b>	<b>NAME AND TYPE</b> Columbia Hopper Dredge			<b>DATE</b> 01/18/2020	
<b>LOADS</b>					
<b>LOAD NUMBER</b>	<b>DREDGING AREA DISPOSAL AREA</b>	<b>START TIME STOP TIME (HH:MM)</b>	<b>PUMPING TURNING (MIN)</b>	<b>TO DUMP DUMPING TO CUT (MIN)</b>	<b>TOTAL TIME DREDGED AMOUNT AGITATED AMOUNT (MIN/CYS)</b>
1	450+00 to 510+00 Mobile Site 102 - SW	00:00 00:00	0 0	18 0 0	18 0 0

**QC NARRATIVE(S)**

<b>CONTRACTOR CERTIFICATION</b>	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.		
<b>QC REPRESENTATIVE'S SIGNATURE</b>	<b>DATE</b>	<b>SUPERINTENDENT'S INITIALS</b>	<b>DATE</b>

QUALITY CONTROL REPORT-HOPPER DREDGE										PAGE NO. Page 61 of 377	
CONTRACT NO. W9127820F0001 W9127820F0032		CONTRACT TITLE IDIQ Hopper Dredge for Mobile Harbor				CONTRACTOR Dutra Dredging Co.				REPORT NO. 31	
CHARACTER OF REPORT		<input checked="" type="checkbox"/> MAINTENANCE <input type="checkbox"/> NEW WORK						DATE 01/19/2020			
DREDGE  Columbia Hopper Dredge		HOPPER CAP: 4387 CY			AVG VOL OF BIN WATER: 0 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 450+00 to 510+00			Mobile Site 102 - SW		10,540	142,320	
CHARACTER OF MATERIAL		AVG LENGTH OF CUT			AVG WIDTH OF CUT			AVG DIST TO DUMP			
		6000 FT			400 FT			35 NM			
DENSITY OF MATERIALS		DENSITY OF MATERIALS			1250			GMS/LITER		1250	
		DENSITY OF WATER			1006			GMS/LITER@		55 °F	
RIVER/TIDE STAGE		MIN 0.00		TIME 00:00		MAX 0.00		TIME 00:00		GAGE LOCATION	
		MIN 0.00		TIME 00:00		MAX 0.00		TIME 00:00		GAGE DATUM	
WEATHER CONDITION		WEATHER Weather Caused Critical Delay			TEMP 38 °F / 69 °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			16			EFFECTIVE WORKING TIME:			
AFT		10			15			PUMPING:	00:00	01:53	0.0
DRAG DEPTH		MAX 0			MIN 0			TURNING:	00:00	00:00	0.0
INDICATORS LAST CHECKED ON		08/14/2019						TO DUMP:	00:00	10:42	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	00:58	0.0
GALLONS OF FUEL OIL CONSUMED		GAL			2,662			DISCONNECTING:	00:00	00:00	0.0
GALLONS OF WATER CONSUMED		GAL			561			TO CUT:	00:00	10:27	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	
5	10,540	Mobile Site 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	
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	

<b>QUALITY CONTROL REPORT-HOPPER DREDGE</b>				<b>PAGE NO.</b> Page 62 of 377	
<b>CONTRACT NO.</b> W9127820F0001 W9127820F0032		<b>CONTRACT TITLE</b> IDIQ Hopper Dredge for Mobile Harbor		<b>CONTRACTOR</b> Dutra Dredging Co.	
<b>DREDGE</b>		<b>NAME AND TYPE</b> Columbia Hopper Dredge			<b>REPORT NO.</b>  31
					<b>DATE</b> 01/19/2020

**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	450+00 to 510+00	00:00	0	32	36
	Mobile Site 102 - SW	00:00	0	4	2,635
				0	0
2	450+00 to 510+00	00:36	38	200	478
	Mobile Site 102 - SW	01:14	0	25	2,635
				215	0
3	450+00 to 510+00	08:34	38	216	474
	Mobile Site 102 - SW	09:12	0	4	2,635
				216	0
4	450+00 to 510+00	16:28	37	194	446
	Mobile Site 102 - SW	17:05	0	25	2,635
				190	0
5	450+00 to 510+00	23:54	0	0	6
	Mobile Site 102 - SW	23:54	0	0	0
				6	0

**QC NARRATIVE(S)**

<b>CONTRACTOR CERTIFICATION</b>		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.			
<b>QC REPRESENTATIVE'S SIGNATURE</b>		<b>DATE</b>	<b>SUPERINTENDENT'S INITIALS</b>		<b>DATE</b>

QUALITY CONTROL REPORT-HOPPER DREDGE										PAGE NO. Page 63 of 377		
CONTRACT NO. W9127820F0001 W9127820F0032		CONTRACT TITLE IDIQ Hopper Dredge for Mobile Harbor				CONTRACTOR Dutra Dredging Co.				REPORT NO. 32		
CHARACTER OF REPORT		<input checked="" type="checkbox"/> MAINTENANCE <input type="checkbox"/> NEW WORK						DATE 01/20/2020				
DREDGE  Columbia Hopper Dredge		HOPPER CAP: 4387 CY			AVG VOL OF BIN WATER: 0 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 450+00 to 510+00			Mobile Site 102 - SW		7,905		150,225	
CHARACTER OF MATERIAL		AVG LENGTH OF CUT 6000 FT			AVG WIDTH OF CUT 400 FT			AVG DIST TO DUMP 35 NM				
		DENSITY OF MATERIALS				1250				GMS/LITER 1250		
RIVER/TIDE STAGE		DENSITY OF WATER				1006				GMS/LITER@ 55 °F		
		MIN 0.00		TIME 00:00		MAX 0.00		TIME 00:00		GAGE LOCATION		
WEATHER CONDITION		MIN 0.00		TIME 00:00		MAX 0.00		TIME 00:00		GAGE DATUM		
		WEATHER Weather Caused No Delay				TEMP 30 °F / 48 °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		16		EFFECTIVE WORKING TIME:						
AFT		10		15		PUMPING:		00:00		01:40		0.0
DRAG DEPTH		MAX 0		MIN 0		TURNING:		00:00		00:00		0.0
INDICATORS LAST CHECKED ON		08/14/2019				TO DUMP:		00:00		10:00		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		00:33		0.0
GALLONS OF FUEL OIL CONSUMED		GAL		2,179		DISCONNECTING:		00:00		00:00		0.0
GALLONS OF WATER CONSUMED		GAL		935		TO CUT:		00:00		11:47		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		0.0
4		7,905		Mobile Site 102 - SW		0		LOSS DUE TO TRAFFIC AND BRIDGES		00:00		0.0
								MINOR OPERATING REPAIRS		00:00		0.0
								TRANSFERRING BETWEEN WORKS		00:00		0.0
								LAY TIME:		00:00		0.0
								FIRE AND BOAT DRILLS:		00:00		0.0
								MISCELLANEOUS		00:00		0.0
								TOTALS		00:00		0.0
						LOST TIME:						
								MAJOR REPAIRS AND ALTERNATIONS		00:00		0.0
								CESSATION:		00:00		0.0
								COLLISIONS:		00:00		0.0
								TOTALS:		00:00		0.0
								TOTAL TIME/MILES:		00:00		24:00
												0.0

QUALITY CONTROL REPORT-HOPPER DREDGE				PAGE NO. Page 64 of 377	
CONTRACT NO. W9127820F0001 W9127820F0032	CONTRACT TITLE IDIQ Hopper Dredge for Mobile Harbor	CONTRACTOR Dutra Dredging Co.		REPORT NO. 32	
DREDGE	NAME AND TYPE Columbia Hopper Dredge			DATE 01/20/2020	
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	450+00 to 510+00	00:00	34	187	441
	Mobile Site 102 - SW	00:34	0	4 216	2,635 0
2	450+00 to 510+00	07:21	37	213	474
	Mobile Site 102 - SW	07:58	0	25 199	2,635 0
3	450+00 to 510+00	15:15	29	200	425
	Mobile Site 102 - SW	15:44	0	4 192	2,635 0
4	450+00 to 510+00	22:20	0	0	100
	Mobile Site 102 - SW	22:20	0	0 100	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 65 of 377		
CONTRACT NO. W9127820F0001 W9127820F0032		CONTRACT TITLE IDIQ Hopper Dredge for Mobile Harbor				CONTRACTOR Dutra Dredging Co.				REPORT NO. 33		
CHARACTER OF REPORT		<input checked="" type="checkbox"/> MAINTENANCE <input type="checkbox"/> NEW WORK						DATE 01/21/2020				
DREDGE Columbia Hopper Dredge		HOPPER CAP: 4387 CY			AVG VOL OF BIN WATER: 0 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 450+00 to 510+00			Mobile Site 102 - SW		7,905		158,130	
CHARACTER OF MATERIAL		AVG LENGTH OF CUT 6000 FT			AVG WIDTH OF CUT 400 FT			AVG DIST TO DUMP 35 NM				
		DENSITY OF MATERIALS				1250				GMS/LITER		1250
RIVER/TIDE STAGE		DENSITY OF WATER				1006				GMS/LITER@		55 °F
		MIN 0.00		TIME 00:00		MAX 0.00		TIME 00:00		GAGE LOCATION		
WEATHER CONDITION		MIN 0.00		TIME 00:00		MAX 0.00		TIME 00:00		GAGE DATUM		
		WEATHER Weather Caused No Delay				TEMP 30 °F / 48 °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		16		EFFECTIVE WORKING TIME:						
AFT		10		15		PUMPING:		00:00		01:56 0.0		
DRAG DEPTH    MAX 0    MIN 0						TURNING:		00:00		00:00 0.0		
INDICATORS LAST CHECKED ON    08/14/2019						TO DUMP:		00:00		10:00 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		00:54 0.0		
GALLONS OF FUEL OIL CONSUMED    GAL    2,684						DISCONNECTING:		00:00		00:00 0.0		
GALLONS OF WATER CONSUMED    GAL    748						TO CUT:		00:00		11:10 0.0		
						TOTALS:		00:00		24:00 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 4		TOTAL CYS 7,905		DISPOSAL AREA Mobile Site 102 - SW		TOTAL CYS 0		LOSS DUE TO NATURAL ELEMENTS:		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 0.0		
Crew Boat		Cape Anne		400		24:00		MISCELLANEOUS		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 67 of 377		
CONTRACT NO. W9127820F0001 W9127820F0032		CONTRACT TITLE IDIQ Hopper Dredge for Mobile Harbor				CONTRACTOR Dutra Dredging Co.				REPORT NO. 34		
CHARACTER OF REPORT		<input checked="" type="checkbox"/> MAINTENANCE <input type="checkbox"/> NEW WORK						DATE 01/22/2020				
DREDGE Columbia Hopper Dredge		HOPPER CAP: 4387 CY		AVG VOL OF BIN WATER: 0 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 450+00 to 510+00			Mobile Site 102 - SW	7,905	166,035				
CHARACTER OF MATERIAL		AVG LENGTH OF CUT 6000 FT		AVG WIDTH OF CUT 400 FT		AVG DIST TO DUMP 35 NM						
		DENSITY OF MATERIALS				1250		GMS/LITER		1250		
DENSITY OF WATER				1006		GMS/LITER@		55 °F				
RIVER/TIDE STAGE		MIN 0.00	TIME 00:00	MAX 0.00	TIME 00:00	GAGE LOCATION						
		MIN 0.00	TIME 00:00	MAX 0.00	TIME 00:00	GAGE DATUM						
WEATHER CONDITION		WEATHER Weather Caused No Delay			TEMP 42 °F / 57 °F	VISIBILITY 10 MI	WIND 25/E MPH					
DRAFT					DISTRIBUTION OF TIME AND MILES RUN							
	LIGHT		LOADED			AGITATING (MIN)	DREDGE & HAUL (MIN)	MILES RUN (NAUT MI)				
FORWARD	8		16		EFFECTIVE WORKING TIME:							
AFT	10		15		PUMPING:	00:00	02:33	0.0				
DRAG DEPTH	MAX 0	MIN 0	TURNING:									
						00:00	00:00	0.0				
INDICATORS LAST CHECKED ON	08/14/2019											
						TO DUMP:	00:00	09:58	0.0			
						CONNECTING:	00:00	00:00	0.0			
AVERAGE SPEED OF DREDGE DURING LOADING		FT/MIN		0		DUMPING:	00:00	00:35	0.0			
AVERAGE SPEED OF DREDGE DURING AGITATING		FT/MIN		0		DISCONNECTING:	00:00	00:00	0.0			
GALLONS OF FUEL OIL CONSUMED		GAL		2,455		TO CUT:	00:00	10:29	0.0			
GALLONS OF WATER CONSUMED		GAL		374		TOTALS:	00:00	23:35	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	0		LOSS DUE TO NATURAL ELEMENTS:	00:00	00:00	0.0			
4	7,905	Mobile Site 102 - SW				LOSS DUE TO TRAFFIC AND BRIDGES	00:00	00:00	0.0			
						MINOR OPERATING REPAIRS	00:00	00:25	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	00:25	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 69 of 377		
CONTRACT NO. W9127820F0001 W9127820F0032		CONTRACT TITLE IDIQ Hopper Dredge for Mobile Harbor				CONTRACTOR Dutra Dredging Co.				REPORT NO. 35		
CHARACTER OF REPORT		<input checked="" type="checkbox"/> MAINTENANCE <input type="checkbox"/> NEW WORK						DATE 01/23/2020				
DREDGE  Columbia Hopper Dredge		HOPPER CAP: 4387 CY			AVG VOL OF BIN WATER: 0 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 450+00 to 510+00			Mobile Site 102 - SW		7,905		173,940	
CHARACTER OF MATERIAL		AVG LENGTH OF CUT			AVG WIDTH OF CUT			AVG DIST TO DUMP		35 NM		
		DENSITY OF MATERIALS						1250		GMS/LITER		1250
RIVER/TIDE STAGE		DENSITY OF WATER						1006		GMS/LITER@		55 °F
		MIN 0.00		TIME 00:00		MAX 0.00		TIME 00:00		GAGE LOCATION		
WEATHER CONDITION		MIN 0.00		TIME 00:00		MAX 0.00		TIME 00:00		GAGE DATUM		
		WEATHER Weather Caused No Delay			TEMP 50 °F / 61 °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		16		EFFECTIVE WORKING TIME:						
AFT		10		15		PUMPING:		00:00		02:10 0.0		
DRAG DEPTH		MAX 0		MIN 0		TURNING:		00:00		00:00 0.0		
INDICATORS LAST CHECKED ON		08/14/2019				TO DUMP:		00:00		11:15 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		00:54 0.0		
GALLONS OF FUEL OIL CONSUMED		GAL		2,656		DISCONNECTING:		00:00		00:00 0.0		
GALLONS OF WATER CONSUMED		GAL		561		TO CUT:		00:00		09:41 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				
4		7,905		Mobile Site 102 - SW		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		00:00 0.0		
TOTALS						TOTALS		00:00		00:00 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		



QUALITY CONTROL REPORT-HOPPER DREDGE										PAGE NO. Page 71 of 377	
CONTRACT NO. W9127820F0001 W9127820F0032		CONTRACT TITLE IDIQ Hopper Dredge for Mobile Harbor				CONTRACTOR Dutra Dredging Co.				REPORT NO. 36	
CHARACTER OF REPORT		<input checked="" type="checkbox"/> MAINTENANCE <input type="checkbox"/> NEW WORK						DATE 01/24/2020			
DREDGE Columbia Hopper Dredge		HOPPER CAP: 4387 CY		AVG VOL OF BIN WATER: 0 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 450+00 to 510+00		Mobile Site 102 - SW	7,905	181,845				
CHARACTER OF MATERIAL		AVG LENGTH OF CUT 6000 FT		AVG WIDTH OF CUT 400 FT		AVG DIST TO DUMP 35 NM					
		DENSITY OF MATERIALS				1250		GMS/LITER		1250	
DENSITY OF WATER				1006		GMS/LITER@		55 °F			
RIVER/TIDE STAGE		MIN 0.00	TIME 00:00	MAX 0.00	TIME 00:00	GAGE LOCATION					
		MIN 0.00	TIME 00:00	MAX 0.00	TIME 00:00	GAGE DATUM					
WEATHER CONDITION		WEATHER Weather Caused No Delay			TEMP 48 °F / 67 °F		VISIBILITY 10 MI		WIND 15/W MPH		
DRAFT					DISTRIBUTION OF TIME AND MILES RUN						
	LIGHT		LOADED			AGITATING (MIN)	DREDGE & HAUL (MIN)	MILES RUN (NAUT MI)			
FORWARD	8		16		EFFECTIVE WORKING TIME:						
AFT	10		15		PUMPING:	00:00	01:55	0.0			
DRAG DEPTH	MAX 0	MIN 0			TURNING:	00:00	00:05	0.0			
INDICATORS LAST CHECKED ON	08/14/2019										
AVERAGE SPEED OF DREDGE DURING LOADING		FT/MIN		0	TO DUMP:	00:00	11:07	0.0			
AVERAGE SPEED OF DREDGE DURING AGITATING		FT/MIN		0	CONNECTING:	00:00	00:00	0.0			
GALLONS OF FUEL OIL CONSUMED		GAL		2,296	DUMPING:	00:00	00:33	0.0			
GALLONS OF WATER CONSUMED		GAL		561	DISCONNECTING:	00:00	00:00	0.0			
					TO CUT:	00:00	10:05	0.0			
					TOTALS:	00:00	23:45	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	7,905	Mobile Site 102 - SW		0	LOSS DUE TO TRAFFIC AND BRIDGES	00:00	00:15	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	00:15	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 73 of 377	
CONTRACT NO. W9127820F0001 W9127820F0032		CONTRACT TITLE IDIQ Hopper Dredge for Mobile Harbor				CONTRACTOR Dutra Dredging Co.				REPORT NO. 37	
CHARACTER OF REPORT		<input checked="" type="checkbox"/> MAINTENANCE <input type="checkbox"/> NEW WORK						DATE 01/25/2020			
DREDGE  Columbia Hopper Dredge		HOPPER CAP: 4387 CY			AVG VOL OF BIN WATER: 0 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 450+00 to 510+00			Mobile Site 102 - SW		10,540	192,385	
CHARACTER OF MATERIAL		AVG LENGTH OF CUT			AVG WIDTH OF CUT			AVG DIST TO DUMP			
		6000 FT			400 FT			35 NM			
DENSITY OF MATERIALS		DENSITY OF MATERIALS			1250			GMS/LITER		1250	
		DENSITY OF WATER			1006			GMS/LITER@		55 °F	
RIVER/TIDE STAGE		MIN	0.00	TIME	00:00	MAX	0.00	TIME	00:00	GAGE LOCATION	
		MIN	0.00	TIME	00:00	MAX	0.00	TIME	00:00	GAGE DATUM	
WEATHER CONDITION		WEATHER Weather Caused No Delay				TEMP 52 °F / 60 °F		VISIBILITY 10 MI		WIND 15/W MPH	
DRAFT					DISTRIBUTION OF TIME AND MILES RUN						
LIGHT		LOADED					AGITATING (MIN)	DREDGE & HAUL (MIN)	MILES RUN (NAUT MI)		
FORWARD		8	16			EFFECTIVE WORKING TIME:					
AFT		10	15			PUMPING:		00:00	01:51	0.0	
DRAG DEPTH		MAX 0	MIN 0			TURNING:		00:00	00:00	0.0	
INDICATORS LAST CHECKED ON		08/14/2019									
AVERAGE SPEED OF DREDGE DURING LOADING		FT/MIN	0			TO DUMP:		00:00	10:19	0.0	
AVERAGE SPEED OF DREDGE DURING AGITATING		FT/MIN	0			CONNECTING:		00:00	00:00	0.0	
GALLONS OF FUEL OIL CONSUMED		GAL	2,906			DUMPING:		00:00	00:16	0.0	
GALLONS OF WATER CONSUMED		GAL	935			DISCONNECTING:		00:00	00:00	0.0	
					TO CUT:		00:00	11:34	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	
5		10,540	Mobile Site 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		
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 75 of 377						
CONTRACT NO. W9127820F0001 W9127820F0032		CONTRACT TITLE IDIQ Hopper Dredge for Mobile Harbor				CONTRACTOR Dutra Dredging Co.				REPORT NO. 38						
CHARACTER OF REPORT		<input checked="" type="checkbox"/> MAINTENANCE <input type="checkbox"/> NEW WORK						DATE 01/26/2020								
DREDGE Columbia Hopper Dredge		HOPPER CAP: 4387 CY			AVG VOL OF BIN WATER: 0 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 450+00 to 510+00			Mobile Site 102 - SW		7,905		200,290				
CHARACTER OF MATERIAL		AVG LENGTH OF CUT			AVG WIDTH OF CUT			AVG DIST TO DUMP		30 NM						
		6000 FT			400 FT											
RIVER/TIDE STAGE		DENSITY OF MATERIALS			1250			GMS/LITER		1250						
		DENSITY OF WATER			1006			GMS/LITER@		55 °F						
WEATHER CONDITION		WEATHER			TEMP			VISIBILITY		WIND						
		Weather Caused No Delay			42 °F / 60 °F			10 MI		15/W MPH						
DRAFT						DISTRIBUTION OF TIME AND MILES RUN										
LIGHT		LOADED				AGITATING (MIN)		DREDGE & HAUL (MIN)		MILES RUN (NAUT MI)						
FORWARD		8				16		EFFECTIVE WORKING TIME:								
AFT		10				15				PUMPING:		00:00		02:24		0.0
DRAG DEPTH		MAX 0				MIN 0				TURNING:		00:00		00:00		0.0
INDICATORS LAST CHECKED ON		08/14/2019						TO DUMP:		00:00		10:30		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				2,686				DISCONNECTING:		00:00		00:00		0.0
GALLONS OF WATER CONSUMED		GAL				784				TO CUT:		00:00		10:54		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		
4		7,905		Mobile Site 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				
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**

<b>CONTRACT NO.</b> W9127820F0001 W9127820F0032	<b>CONTRACT TITLE</b> IDIQ Hopper Dredge for Mobile Harbor	<b>CONTRACTOR</b> Dutra Dredging Co.	<b>REPORT NO.</b> 38
<b>DREDGE</b>	<b>NAME AND TYPE</b> Columbia Hopper Dredge	<b>DATE</b> 01/26/2020	

**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	450+00 to 510+00 Mobile Site 102 - SW	00:00 00:35	35 0	182 4 87	308 2,635 0
2	450+00 to 510+00 Mobile Site 102 - SW	05:08 05:45	37 0	190 4 209	440 2,635 0
3	450+00 to 510+00 Mobile Site 102 - SW	12:28 13:04	36 0	203 4 186	429 2,635 0
4	450+00 to 510+00 Mobile Site 102 - SW	19:37 20:13	36 0	55 0 172	263 0 0

**QC NARRATIVE(S)**

<b>CONTRACTOR CERTIFICATION</b>	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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<b>QC REPRESENTATIVE'S SIGNATURE</b>	<b>DATE</b>	<b>SUPERINTENDENT'S INITIALS</b>	<b>DATE</b>
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QUALITY CONTROL REPORT-HOPPER DREDGE										PAGE NO. Page 77 of 377	
CONTRACT NO. W9127820F0001 W9127820F0032		CONTRACT TITLE IDIQ Hopper Dredge for Mobile Harbor				CONTRACTOR Dutra Dredging Co.				REPORT NO. 39	
CHARACTER OF REPORT		<input checked="" type="checkbox"/> MAINTENANCE <input type="checkbox"/> NEW WORK						DATE 01/27/2020			
DREDGE Columbia Hopper Dredge		HOPPER CAP: 4387 CY			AVG VOL OF BIN WATER: 0 CY			AVG UNFILLED CAP: 0 CY			
		NO. OF CREW MEMBERS	DREDGE 13		OTHER PLANT 4	WORK SCHEDULE		SHIFTS PER DAY 2	DAYS PER WEEK 7		
LOCATION OF WORK		LOCATION CHANNEL Mobile Bay	REACH DREDGED; STA TO STA Sta 450+00 to 510+00			DISPOSAL AREA USE Mobile Site 102 - SW	QTY DEPOSITED GROSS(CY) 7,905	CUMULATIVE AND QTY DEPOSIT FOR DA(CY) 208,195			
		AVG LENGTH OF CUT 6000 FT			AVG WIDTH OF CUT 400 FT			AVG DIST TO DUMP 30 NM			
CHARACTER OF MATERIAL		DENSITY OF MATERIALS				1250		GMS/LITER		1250	
		DENSITY OF WATER				1006		GMS/LITER@		55 °F	
RIVER/TIDE STAGE		MIN 0.00	TIME 00:00	MAX 0.00	TIME 00:00	GAGE LOCATION					
		MIN 0.00	TIME 00:00	MAX 0.00	TIME 00:00	GAGE DATUM					
WEATHER CONDITION		WEATHER Weather Caused No Delay			TEMP 42 °F / 60 °F		VISIBILITY 10 MI		WIND 10 MPH		
DRAFT						DISTRIBUTION OF TIME AND MILES RUN					
		LIGHT		LOADED				AGITATING (MIN)	DREDGE & HAUL (MIN)	MILES RUN (NAUT MI)	
FORWARD		8		16		EFFECTIVE WORKING TIME:					
AFT		10		15		PUMPING:	00:00	02:14	0.0		
DRAG DEPTH		MAX 0	MIN 0	TURNING:	00:00	00:00	0.0				
INDICATORS LAST CHECKED ON		08/14/2019									
AVERAGE SPEED OF DREDGE DURING LOADING		FT/MIN	0	TO DUMP:	00:00	11:33	0.0				
AVERAGE SPEED OF DREDGE DURING AGITATING		FT/MIN	0	CONNECTING:	00:00	00:00	0.0				
GALLONS OF FUEL OIL CONSUMED		GAL	2,376	DUMPING:	00:00	00:12	0.0				
GALLONS OF WATER CONSUMED		GAL	448	DISCONNECTING:	00:00	00:00	0.0				
				TO CUT:	00:00	09:49	0.0				
				TOTALS:	00:00	23:48	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 4		TOTAL CYS 7,905	DISPOSAL AREA Mobile Site 102 - SW	TOTAL CYS 0	LOSS DUE TO NATURAL ELEMENTS:	00:00	00:00	0.0			
					LOSS DUE TO TRAFFIC AND BRIDGES	00:00	00:12	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	00:12	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 79 of 377	
CONTRACT NO. W9127820F0001 W9127820F0032		CONTRACT TITLE IDIQ Hopper Dredge for Mobile Harbor				CONTRACTOR Dutra Dredging Co.				REPORT NO. 40	
CHARACTER OF REPORT		<input checked="" type="checkbox"/> MAINTENANCE <input type="checkbox"/> NEW WORK						DATE 01/28/2020			
DREDGE  Columbia Hopper Dredge		HOPPER CAP: 4387 CY		AVG VOL OF BIN WATER: 0 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 450+00 to 510+00		Mobile Site 102 - SW	10,540	218,735				
CHARACTER OF MATERIAL		AVG LENGTH OF CUT 6000 FT		AVG WIDTH OF CUT 400 FT		AVG DIST TO DUMP 30 NM					
		DENSITY OF MATERIALS				1250	GMS/LITER	1250			
RIVER/TIDE STAGE		DENSITY OF WATER				1006	GMS/LITER@	55 °F			
		MIN 0.00	TIME 00:00	MAX 0.00	TIME 00:00	GAGE LOCATION					
WEATHER CONDITION		WEATHER Weather Caused No Delay		TEMP 42 °F / 60 °F	VISIBILITY 10 MI	WIND 10 MPH					
DRAFT					DISTRIBUTION OF TIME AND MILES RUN						
	LIGHT		LOADED			AGITATING (MIN)	DREDGE & HAUL (MIN)	MILES RUN (NAUT MI)			
FORWARD	8		16		EFFECTIVE WORKING TIME:						
AFT	10		15		PUMPING:	00:00	02:01	0.0			
DRAG DEPTH	MAX 0	MIN 0									
INDICATORS LAST CHECKED ON	08/14/2019										
AVERAGE SPEED OF DREDGE DURING LOADING	FT/MIN	0									
AVERAGE SPEED OF DREDGE DURING AGITATING	FT/MIN	0									
GALLONS OF FUEL OIL CONSUMED	GAL	3,151									
GALLONS OF WATER CONSUMED	GAL	896									
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	10,540	Mobile Site 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			
					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 81 of 377				
CONTRACT NO. W9127820F0001 W9127820F0032		CONTRACT TITLE IDIQ Hopper Dredge for Mobile Harbor				CONTRACTOR Dutra Dredging Co.				REPORT NO. 41				
CHARACTER OF REPORT		<input checked="" type="checkbox"/> MAINTENANCE <input type="checkbox"/> NEW WORK						DATE 01/29/2020						
DREDGE Columbia Hopper Dredge		HOPPER CAP: 4387 CY			AVG VOL OF BIN WATER: 0 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 450+00 to 510+00			Mobile Site 102 - SW		5,270		224,005			
CHARACTER OF MATERIAL		AVG LENGTH OF CUT 6000 FT			AVG WIDTH OF CUT 400 FT			AVG DIST TO DUMP 30 NM						
		DENSITY OF MATERIALS				1250				GMS/LITER 1250				
RIVER/TIDE STAGE		DENSITY OF WATER			1006			GMS/LITER@ 55 °F						
		MIN 0.00		TIME 00:00		MAX 0.00		TIME 00:00		GAGE LOCATION				
WEATHER CONDITION		MIN 0.00			TIME 00:00			MAX 0.00		TIME 00:00				
		WEATHER Weather Caused Critical Delay			TEMP 43 °F / 58 °F		VISIBILITY 10 MI		WIND 35 MPH					
DRAFT						DISTRIBUTION OF TIME AND MILES RUN								
		LIGHT		LOADED				AGITATING (MIN)		DREDGE & HAUL (MIN)		MILES RUN (NAUT MI)		
FORWARD		8		16		EFFECTIVE WORKING TIME:								
AFT		10		15		PUMPING:		00:00		01:09		0.0		
DRAG DEPTH		MAX 0		MIN 0		TURNING:		00:00		00:00		0.0		
INDICATORS LAST CHECKED ON		08/14/2019				TO DUMP:		00:00		06:40		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		00:08		0.0		
GALLONS OF FUEL OIL CONSUMED		GAL		2,557		DISCONNECTING:		00:00		00:00		0.0		
GALLONS OF WATER CONSUMED		GAL		672		TO CUT:		00:00		07:17		0.0		
						TOTALS:		00:00		15:14		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 Site 102 - SW		0		LOSS DUE TO NATURAL ELEMENTS:		00:00		08:46		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		08:46		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 83 of 377			
CONTRACT NO. W9127820F0001 W9127820F0032		CONTRACT TITLE IDIQ Hopper Dredge for Mobile Harbor				CONTRACTOR Dutra Dredging Co.				REPORT NO. 42			
CHARACTER OF REPORT		<input checked="" type="checkbox"/> MAINTENANCE <input type="checkbox"/> NEW WORK						DATE 01/30/2020					
DREDGE  Columbia Hopper Dredge		HOPPER CAP: 4387 CY			AVG VOL OF BIN WATER: 0 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 450+00 to 510+00			Mobile Site 102 - SW		2,635		226,640		
CHARACTER OF MATERIAL		AVG LENGTH OF CUT			AVG WIDTH OF CUT			AVG DIST TO DUMP		30 NM			
		DENSITY OF MATERIALS				1250				GMS/LITER		1250	
RIVER/TIDE STAGE		DENSITY OF WATER			1006				GMS/LITER@		55 °F		
		MIN 0.00		TIME 00:00		MAX 0.00		TIME 00:00		GAGE LOCATION			
WEATHER CONDITION		MIN 0.00			TIME 00:00		MAX 0.00		TIME 00:00		GAGE DATUM		
		WEATHER Weather Caused Critical Delay				TEMP 49 °F / 62 °F		VISIBILITY 10 MI		WIND 14 MPH			
DRAFT						DISTRIBUTION OF TIME AND MILES RUN							
LIGHT		LOADED				AGITATING (MIN)		DREDGE & HAUL (MIN)		MILES RUN (NAUT MI)			
FORWARD		8		16		EFFECTIVE WORKING TIME:							
AFT		10		15		PUMPING:		00:00		00:59	0.0		
DRAG DEPTH		MAX 0		MIN 0		TURNING:		00:00		00:00	0.0		
INDICATORS LAST CHECKED ON 08/14/2019						TO DUMP:		00:00		03:18	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		800		DISCONNECTING:		00:00		00:00	0.0		
GALLONS OF WATER CONSUMED		GAL		561		TO CUT:		00:00		03:57	0.0		
WORK PERFORMED						TOTALS:		00:00		08:18	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		04:00	0.0
2		2,635		Mobile Site 102 - SW		0		TO AND FROM WHARF OR ANCHORAGE:		00:00		02:02	0.0
ATTENDANT PLANT						LOSS DUE TO NATURAL ELEMENTS:		00:00		00:00	0.0		
ITEM		NAME OR NUMBER		H.P.		HOURS		LOSS DUE TO TRAFFIC AND BRIDGES		00:00		00:00	0.0
Crew Boat		Cape Anne		400		24:00		MINOR OPERATING REPAIRS		00:00		09:40	0.0
DREDGE						TRANSFERRING BETWEEN WORKS		00:00		00:00	0.0		
CONTRACTOR						LAY TIME:		00:00		00:00	0.0		
DREDGE						FIRE AND BOAT DRILLS:		00:00		00:00	0.0		
DREDGE						MISCELLANEOUS		00:00		00:00	0.0		
DREDGE						TOTALS		00:00		15:42	0.0		
DREDGE						LOST TIME:							
DREDGE						MAJOR REPAIRS AND ALTERNATIONS		00:00		00:00	0.0		
DREDGE						CESSATION:		00:00		00:00	0.0		
DREDGE						COLLISIONS:		00:00		00:00	0.0		
DREDGE						TOTALS:		00:00		00:00	0.0		
DREDGE						TOTAL TIME/MILES:		00:00		24:00	0.0		



QUALITY CONTROL REPORT-HOPPER DREDGE										PAGE NO. Page 85 of 377	
CONTRACT NO. W9127820F0001 W9127820F0032		CONTRACT TITLE IDIQ Hopper Dredge for Mobile Harbor				CONTRACTOR Dutra Dredging Co.				REPORT NO. 43	
CHARACTER OF REPORT		<input checked="" type="checkbox"/> MAINTENANCE <input type="checkbox"/> NEW WORK						DATE 01/31/2020			
DREDGE  Columbia Hopper Dredge		HOPPER CAP: 4387 CY				AVG VOL OF BIN WATER: 0 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 450+00 to 510+00				Mobile Site 102 - SW		7,905	234,545
CHARACTER OF MATERIAL		DENSITY OF MATERIALS				1250				GMS/LITER 1250	
		DENSITY OF WATER				1006				GMS/LITER@ 55 °F	
RIVER/TIDE STAGE		MIN 0.00		TIME 00:00		MAX 0.00		TIME 00:00		GAGE LOCATION	
		MIN 0.00		TIME 00:00		MAX 0.00		TIME 00:00		GAGE DATUM	
WEATHER CONDITION		WEATHER Weather Caused No Delay				TEMP 45 °F / 62 °F		VISIBILITY 10 MI		WIND 14 MPH	
DRAFT						DISTRIBUTION OF TIME AND MILES RUN					
LIGHT		LOADED						AGITATING (MIN)	DREDGE & HAUL (MIN)	MILES RUN (NAUT MI)	
FORWARD		8		16		EFFECTIVE WORKING TIME:					
AFT		10		15		PUMPING:	00:00	02:17	0.0		
DRAG DEPTH		MAX 0		MIN 0		TURNING:	00:00	00:00	0.0		
INDICATORS LAST CHECKED ON		08/14/2019				TO DUMP:	00:00	10:31	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	00:38	0.0		
GALLONS OF FUEL OIL CONSUMED		GAL		2,730		DISCONNECTING:	00:00	00:00	0.0		
GALLONS OF WATER CONSUMED		GAL		672		TO CUT:	00:00	09:24	0.0		
						TOTALS:	00:00	22:50	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		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	00:20	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	00:50	0.0		
						TOTALS	00:00	01:10	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.**  
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**CONTRACT NO.**  
W9127820F0001  
W9127820F0032

**CONTRACT TITLE**  
IDIQ Hopper Dredge for Mobile Harbor

**CONTRACTOR**  
Dutra Dredging Co.

**REPORT NO.**  
43

**DREDGE**

**NAME AND TYPE**  
Columbia Hopper Dredge

**DATE**  
01/31/2020

**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	450+00 to 510+00	00:00	18	203	225
	Mobile Site 102 - SW	00:18	0	4	2,635
				0	0
2	450+00 to 510+00	03:45	38	210	468
	Mobile Site 102 - SW	04:23	0	30	2,635
				190	0
3	450+00 to 510+00	12:23	35	200	427
	Mobile Site 102 - SW	12:58	0	4	2,635
				188	0
4	450+00 to 510+00	19:50	46	18	250
	Mobile Site 102 - SW	20:36	0	0	0
				186	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 87 of 377			
CONTRACT NO. W9127820F0001 W9127820F0032		CONTRACT TITLE IDIQ Hopper Dredge for Mobile Harbor				CONTRACTOR Dutra Dredging Co.				REPORT NO. 44			
CHARACTER OF REPORT		<input checked="" type="checkbox"/> MAINTENANCE <input type="checkbox"/> NEW WORK						DATE 02/01/2020					
DREDGE Columbia Hopper Dredge		HOPPER CAP: 4387 CY			AVG VOL OF BIN WATER: 0 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 450+00 to 510+00			Mobile Site 102 - SW		7,905		242,450		
CHARACTER OF MATERIAL		DENSITY OF MATERIALS			1250			GMS/LITER		1250			
		DENSITY OF WATER			1006			GMS/LITER@		55 °F			
RIVER/TIDE STAGE		MIN 0.00		TIME 00:00		MAX 0.00		TIME 00:00		GAGE LOCATION			
		MIN 0.00		TIME 00:00		MAX 0.00		TIME 00:00		GAGE DATUM			
WEATHER CONDITION		WEATHER Weather Caused No Delay			TEMP 45 °F / 62 °F		VISIBILITY 10 MI		WIND 14 MPH				
DRAFT						DISTRIBUTION OF TIME AND MILES RUN							
LIGHT		LOADED				AGITATING (MIN)		DREDGE & HAUL (MIN)		MILES RUN (NAUT MI)			
FORWARD		8		16		EFFECTIVE WORKING TIME:							
AFT		10		15		PUMPING:		00:00		01:55 0.0			
DRAG DEPTH		MAX 0		MIN 0		TURNING:		00:00		00:00 0.0			
INDICATORS LAST CHECKED ON		08/14/2019				TO DUMP:		00:00		12:07 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		00:38 0.0			
GALLONS OF FUEL OIL CONSUMED		GAL		2,805		DISCONNECTING:		00:00		00:00 0.0			
GALLONS OF WATER CONSUMED		GAL		784		TO CUT:		00:00		09:20 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		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 89 of 377	
CONTRACT NO. W9127820F0001 W9127820F0032		CONTRACT TITLE IDIQ Hopper Dredge for Mobile Harbor				CONTRACTOR Dutra Dredging Co.				REPORT NO. 45	
CHARACTER OF REPORT		<input checked="" type="checkbox"/> MAINTENANCE <input type="checkbox"/> NEW WORK						DATE 02/02/2020			
DREDGE  Columbia Hopper Dredge		HOPPER CAP: 4387 CY			AVG VOL OF BIN WATER: 0 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 450+00 to 510+00			Mobile Site 102 - SW		10,540	252,990	
CHARACTER OF MATERIAL		AVG LENGTH OF CUT			AVG WIDTH OF CUT			AVG DIST TO DUMP		30 NM	
		6000 FT			400 FT						
DENSITY OF MATERIALS		DENSITY OF MATERIALS			1250			GMS/LITER		1250	
		DENSITY OF WATER			1006			GMS/LITER@		55 °F	
RIVER/TIDE STAGE		MIN	0.00	TIME	00:00	MAX	0.00	TIME	00:00	GAGE LOCATION	
		MIN	0.00	TIME	00:00	MAX	0.00	TIME	00:00	GAGE DATUM	
WEATHER CONDITION		WEATHER Weather Caused No Delay				TEMP 37 °F / 68 °F		VISIBILITY 10 MI		WIND 10 MPH	
DRAFT						DISTRIBUTION OF TIME AND MILES RUN					
LIGHT		LOADED						AGITATING (MIN)	DREDGE & HAUL (MIN)	MILES RUN (NAUT MI)	
FORWARD		8		16		EFFECTIVE WORKING TIME:					
AFT		10		15		PUMPING:	00:00	01:51	0.0		
DRAG DEPTH		MAX 0		MIN 0		TURNING:	00:00	00:06	0.0		
INDICATORS LAST CHECKED ON		08/14/2019				TO DUMP:	00:00	11:42	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	00:37	0.0		
GALLONS OF FUEL OIL CONSUMED		GAL		3,203		DISCONNECTING:	00:00	00:00	0.0		
GALLONS OF WATER CONSUMED		GAL		784		TO CUT:	00:00	09:24	0.0		
						TOTALS:					
						00:00    23:40    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		
5	10,540	Mobile Site 102 - SW		0		LOSS DUE TO TRAFFIC AND BRIDGES	00:00	00:20	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	00:20	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 91 of 377			
CONTRACT NO. W9127820F0001 W9127820F0032		CONTRACT TITLE IDIQ Hopper Dredge for Mobile Harbor				CONTRACTOR Dutra Dredging Co.				REPORT NO. 46			
CHARACTER OF REPORT		<input checked="" type="checkbox"/> MAINTENANCE <input type="checkbox"/> NEW WORK						DATE 02/03/2020					
DREDGE  Columbia Hopper Dredge		HOPPER CAP: 4387 CY			AVG VOL OF BIN WATER: 0 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 450+00 to 510+00			Mobile Site 102 - SW		7,905		260,895		
CHARACTER OF MATERIAL		AVG LENGTH OF CUT 6000 FT			AVG WIDTH OF CUT 400 FT			AVG DIST TO DUMP 30 NM					
		DENSITY OF MATERIALS				1250				GMS/LITER 1250			
DENSITY OF WATER				1006				GMS/LITER@ 55 °F					
RIVER/TIDE STAGE		MIN 0.00		TIME 00:00		MAX 0.00		TIME 00:00		GAGE LOCATION			
		MIN 0.00		TIME 00:00		MAX 0.00		TIME 00:00		GAGE DATUM			
WEATHER CONDITION		WEATHER Weather Caused No Delay			TEMP 48 °F / 67 °F		VISIBILITY 10 MI		WIND 8 MPH				
DRAFT						DISTRIBUTION OF TIME AND MILES RUN							
		LIGHT		LOADED				AGITATING (MIN)		DREDGE & HAUL (MIN)		MILES RUN (NAUT MI)	
FORWARD		8		16		EFFECTIVE WORKING TIME:							
AFT		10		15		PUMPING:		00:00		02:08		0.0	
DRAG DEPTH		MAX 0		MIN 0		TURNING:		00:00		00:00		0.0	
INDICATORS LAST CHECKED ON		08/14/2019				TO DUMP:		00:00		10:20		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		00:33		0.0	
GALLONS OF FUEL OIL CONSUMED		GAL		2,738		DISCONNECTING:		00:00		00:00		0.0	
GALLONS OF WATER CONSUMED		GAL		672		TO CUT:		00:00		10:59		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 4		TOTAL CYS 7,905		DISPOSAL AREA Mobile Site 102 - SW		TOTAL CYS 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 93 of 377	
CONTRACT NO. W9127820F0001 W9127820F0032		CONTRACT TITLE IDIQ Hopper Dredge for Mobile Harbor				CONTRACTOR Dutra Dredging Co.				REPORT NO. 47	
CHARACTER OF REPORT		<input checked="" type="checkbox"/> MAINTENANCE <input type="checkbox"/> NEW WORK						DATE 02/04/2020			
DREDGE Columbia Hopper Dredge		HOPPER CAP: 4387 CY				AVG VOL OF BIN WATER: 0 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 450+00 to 510+00				Mobile Site 102 - SW		7,905	268,800
CHARACTER OF MATERIAL		DENSITY OF MATERIALS				1250				GMS/LITER 1250	
		DENSITY OF WATER				1006				GMS/LITER@ 55 °F	
RIVER/TIDE STAGE		MIN 0.00		TIME 00:00		MAX 0.00		TIME 00:00		GAGE LOCATION	
		MIN 0.00		TIME 00:00		MAX 0.00		TIME 00:00		GAGE DATUM	
WEATHER CONDITION		WEATHER Weather Caused No Delay				TEMP 55 °F / 68 °F		VISIBILITY 10 MI		WIND 8 MPH	
DRAFT						DISTRIBUTION OF TIME AND MILES RUN					
LIGHT		LOADED						AGITATING (MIN)	DREDGE & HAUL (MIN)	MILES RUN (NAUT MI)	
FORWARD		8		16		EFFECTIVE WORKING TIME:					
AFT		10		15		PUMPING:	00:00	02:18	0.0		
DRAG DEPTH		MAX 0		MIN 0		TURNING:	00:00	00:00	0.0		
INDICATORS LAST CHECKED ON		08/14/2019				TO DUMP:	00:00	11:58	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	00:33	0.0		
GALLONS OF FUEL OIL CONSUMED		GAL		2,851		DISCONNECTING:	00:00	00:00	0.0		
GALLONS OF WATER CONSUMED		GAL		896		TO CUT:	00:00	09:11	0.0		
						TOTALS:	00:00	24:00	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		
4	7,905	Mobile Site 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		
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 95 of 377	
CONTRACT NO. W9127820F0001 W9127820F0032		CONTRACT TITLE IDIQ Hopper Dredge for Mobile Harbor				CONTRACTOR Dutra Dredging Co.				REPORT NO. 48	
CHARACTER OF REPORT		<input checked="" type="checkbox"/> MAINTENANCE <input type="checkbox"/> NEW WORK						DATE 02/05/2020			
DREDGE  Columbia Hopper Dredge		HOPPER CAP: 4387 CY			AVG VOL OF BIN WATER: 0 CY			AVG UNFILLED CAP: 0 CY			
		NO. OF CREW MEMBERS	DREDGE 13		OTHER PLANT 4	WORK SCHEDULE		SHIFTS PER DAY 2	DAYS PER WEEK 7		
LOCATION OF WORK		LOCATION CHANNEL Mobile Bay	REACH DREDGED; STA TO STA 1115+00 to 1175+00			DISPOSAL AREA USE Mobile Site 102 - SW		QTY DEPOSITED GROSS(CY) 10,540	CUMULATIVE AND QTY DEPOSIT FOR DA(CY) 279,340		
		AVG LENGTH OF CUT 6000 FT			AVG WIDTH OF CUT 400 FT			AVG DIST TO DUMP 26 NM			
CHARACTER OF MATERIAL		DENSITY OF MATERIALS				1250		GMS/LITER		1250	
		DENSITY OF WATER				1006		GMS/LITER@		60 °F	
RIVER/TIDE STAGE		MIN 0.00	TIME 00:00	MAX 0.00	TIME 00:00	GAGE LOCATION					
		MIN 0.00	TIME 00:00	MAX 0.00	TIME 00:00	GAGE DATUM					
WEATHER CONDITION		WEATHER Weather Caused Critical Delay			TEMP 66 °F / 72 °F		VISIBILITY 10 MI	WIND 25/S MPH			
DRAFT					DISTRIBUTION OF TIME AND MILES RUN						
	LIGHT		LOADED			AGITATING (MIN)	DREDGE & HAUL (MIN)	MILES RUN (NAUT MI)			
FORWARD	8		16		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	08/14/2019										
AVERAGE SPEED OF DREDGE DURING LOADING		FT/MIN		0	TO DUMP:	00:00	07:19	0.0			
AVERAGE SPEED OF DREDGE DURING AGITATING		FT/MIN		0	CONNECTING:	00:00	00:00	0.0			
GALLONS OF FUEL OIL CONSUMED		GAL		2,500	DUMPING:	00:00	00:16	0.0			
GALLONS OF WATER CONSUMED		GAL		741	DISCONNECTING:	00:00	00:00	0.0			
					TO CUT:	00:00	08:19	0.0			
					TOTALS:	00:00	18:00	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 5	TOTAL CYS 10,540	DISPOSAL AREA Mobile Site 102 - SW		TOTAL CYS 0	LOSS DUE TO NATURAL ELEMENTS:	00:00	06:00	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	06:00	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 97 of 377	
CONTRACT NO. W9127820F0032		CONTRACT TITLE IDIQ Hopper Dredge for Mobile Harbor				CONTRACTOR Dutra Dredging Co.				REPORT NO. 49	
CHARACTER OF REPORT		<input checked="" type="checkbox"/> MAINTENANCE <input type="checkbox"/> NEW WORK						DATE 02/06/2020			
DREDGE Columbia Hopper Dredge		HOPPER CAP: 4387 CY			AVG VOL OF BIN WATER: 0 CY			AVG UNFILLED CAP: 0 CY			
		NO. OF CREW MEMBERS	DREDGE 13		OTHER PLANT 4	WORK SCHEDULE		SHIFTS PER DAY 2	DAYS PER WEEK 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	1115+00 to 1175+00			Mobile Site 102 - SW		0	279,340		
CHARACTER OF MATERIAL		DENSITY OF MATERIALS			1250			GMS/LITER		1250	
		DENSITY OF WATER			1006			GMS/LITER@		60 °F	
RIVER/TIDE STAGE		MIN	0.00	TIME	00:00	MAX	0.00	TIME	00:00	GAGE LOCATION	
		MIN	0.00	TIME	00:00	MAX	0.00	TIME	00:00	GAGE DATUM	
WEATHER CONDITION		WEATHER Weather Caused Critical Delay				TEMP 40 °F / 70 °F		VISIBILITY 10 MI		WIND 25/W MPH	
DRAFT						DISTRIBUTION OF TIME AND MILES RUN					
		LIGHT		LOADED				AGITATING (MIN)	DREDGE & HAUL (MIN)	MILES RUN (NAUT MI)	
FORWARD		8		16		EFFECTIVE WORKING TIME:					
AFT		10		15		PUMPING:	00:00	00:00	0.0		
DRAG DEPTH		MAX 0	MIN 0			TURNING:	00:00	00:00	0.0		
INDICATORS LAST CHECKED ON		08/14/2019									
AVERAGE SPEED OF DREDGE DURING LOADING		FT/MIN	0			TO DUMP:	00:00	00:00	0.0		
AVERAGE SPEED OF DREDGE DURING AGITATING		FT/MIN	0			CONNECTING:	00:00	00:00	0.0		
GALLONS OF FUEL OIL CONSUMED		GAL	2,277			DUMPING:	00:00	00:00	0.0		
GALLONS OF WATER CONSUMED		GAL	448			DISCONNECTING:	00:00	00:00	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	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		
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	24:00	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 99 of 377	
CONTRACT NO. W9127820F0001 W9127820F0032			CONTRACT TITLE IDIQ Hopper Dredge for Mobile Harbor				CONTRACTOR Dutra Dredging Co.			REPORT NO. 50	
CHARACTER OF REPORT			<input checked="" type="checkbox"/> MAINTENANCE <input type="checkbox"/> NEW WORK						DATE 02/07/2020		
DREDGE  Columbia Hopper Dredge		HOPPER CAP: 4387 CY			AVG VOL OF BIN WATER: 0 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	1115+00 to 1175+00			Mobile Site 102 - SW		7,905	287,245		
CHARACTER OF MATERIAL		DENSITY OF MATERIALS			1250			GMS/LITER		1250	
		DENSITY OF WATER			1006			GMS/LITER@		60 °F	
RIVER/TIDE STAGE		MIN	0.00	TIME	00:00	MAX	0.00	TIME	00:00	GAGE LOCATION	
		MIN	0.00	TIME	00:00	MAX	0.00	TIME	00:00	GAGE DATUM	
WEATHER CONDITION		WEATHER Weather Caused Critical Delay			TEMP 48 °F / 58 °F		VISIBILITY 10 MI		WIND 20/W MPH		
DRAFT					DISTRIBUTION OF TIME AND MILES RUN						
FORWARD	LIGHT		LOADED				AGITATING (MIN)	DREDGE & HAUL (MIN)	MILES RUN (NAUT MI)		
	8		16			EFFECTIVE WORKING TIME:					
AFT	10		15			PUMPING:	00:00	01:55	0.0		
DRAG DEPTH		MAX 0	MIN 0			TURNING:	00:00	00:00	0.0		
INDICATORS LAST CHECKED ON 08/14/2019					TO DUMP:	00:00	07:04	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	255			DISCONNECTING:	00:00	00:00	0.0		
GALLONS OF WATER CONSUMED		GAL	560			TO CUT:	00:00	05:49	0.0		
					TOTALS:	00:00	15:00	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		0	LOSS DUE TO NATURAL ELEMENTS:	00:00	09:00	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	09:00	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 101 of 377	
CONTRACT NO. W9127820F0001 W9127820F0032		CONTRACT TITLE IDIQ Hopper Dredge for Mobile Harbor				CONTRACTOR Dutra Dredging Co.				REPORT NO. 51	
CHARACTER OF REPORT		<input checked="" type="checkbox"/> MAINTENANCE <input type="checkbox"/> NEW WORK						DATE 02/08/2020			
DREDGE Columbia Hopper Dredge		HOPPER CAP: 4387 CY			AVG VOL OF BIN WATER: 0 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			1115+00 to 1175+00			Mobile Site 102 - SW		10,540	297,785
CHARACTER OF MATERIAL		AVG LENGTH OF CUT			AVG WIDTH OF CUT			AVG DIST TO DUMP			
		6000 FT			400 FT			26 NM			
DENSITY OF MATERIALS		DENSITY OF MATERIALS			1250			GMS/LITER		1250	
		DENSITY OF WATER			1006			GMS/LITER@		60 °F	
RIVER/TIDE STAGE		MIN 0.00		TIME 00:00		MAX 0.00		TIME 00:00		GAGE LOCATION	
		MIN 0.00		TIME 00:00		MAX 0.00		TIME 00:00		GAGE DATUM	
WEATHER CONDITION		WEATHER Weather Caused No Delay			TEMP 48 °F / 65 °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		16		EFFECTIVE WORKING TIME:					
AFT		10		15		PUMPING:		00:00		03:46 0.0	
DRAG DEPTH		MAX 0		MIN 0		TURNING:		00:00		00:00 0.0	
INDICATORS LAST CHECKED ON		08/14/2019				TO DUMP:		00:00		10:14 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		00:28 0.0	
GALLONS OF FUEL OIL CONSUMED		GAL		2,008		DISCONNECTING:		00:00		00:00 0.0	
GALLONS OF WATER CONSUMED		GAL		896		TO CUT:		00:00		09:32 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			
5		10,540		Mobile Site 102 - SW		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 00:00 0.0	
TOTALS						TOTALS		00:00		00:00 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										PAGE NO. Page 103 of 377	
CONTRACT NO. W9127820F0001 W9127820F0032		CONTRACT TITLE IDIQ Hopper Dredge for Mobile Harbor				CONTRACTOR Dutra Dredging Co.				REPORT NO. 52	
CHARACTER OF REPORT		<input checked="" type="checkbox"/> MAINTENANCE <input type="checkbox"/> NEW WORK						DATE 02/09/2020			
DREDGE  Columbia Hopper Dredge		HOPPER CAP: 4387 CY			AVG VOL OF BIN WATER: 0 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		1115+00 to 1175+00			Mobile Site 102 - SW		13,175		310,960
CHARACTER OF MATERIAL		AVG LENGTH OF CUT			AVG WIDTH OF CUT			AVG DIST TO DUMP			
		6000 FT			400 FT			26 NM			
DENSITY OF MATERIALS		DENSITY OF MATERIALS			1250			GMS/LITER		1250	
		DENSITY OF WATER			1006			GMS/LITER@		60 °F	
RIVER/TIDE STAGE		MIN 0.00		TIME 00:00		MAX 0.00		TIME 00:00		GAGE LOCATION	
		MIN 0.00		TIME 00:00		MAX 0.00		TIME 00:00		GAGE DATUM	
WEATHER CONDITION		WEATHER Weather Caused Critical Delay			TEMP 55 °F / 69 °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		16		EFFECTIVE WORKING TIME:					
AFT		10		15		PUMPING:		00:00		02:42 0.0	
DRAG DEPTH		MAX 0		MIN 0		TURNING:		00:00		00:00 0.0	
INDICATORS LAST CHECKED ON		08/14/2019				TO DUMP:		00:00		09:55 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		00:20 0.0	
GALLONS OF FUEL OIL CONSUMED		GAL		1,666		DISCONNECTING:		00:00		00:00 0.0	
GALLONS OF WATER CONSUMED		GAL		672		TO CUT:		00:00		09:21 0.0	
TOTALS:						00:00		22:18		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 01:42 0.0	
6		13,175		Mobile Site 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	
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		01:42		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 105 of 377		
CONTRACT NO. W9127820F0001 W9127820F0032		CONTRACT TITLE IDIQ Hopper Dredge for Mobile Harbor				CONTRACTOR Dutra Dredging Co.				REPORT NO. 53		
CHARACTER OF REPORT		<input checked="" type="checkbox"/> MAINTENANCE <input type="checkbox"/> NEW WORK						DATE 02/10/2020				
DREDGE Columbia Hopper Dredge		HOPPER CAP: 4387 CY			AVG VOL OF BIN WATER: 0 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		1115+00 to 1175+00			Mobile Site 102 - SW		2,635		313,595	
CHARACTER OF MATERIAL		DENSITY OF MATERIALS			1250			GMS/LITER		1250		
		DENSITY OF WATER			1006			GMS/LITER@		60 °F		
RIVER/TIDE STAGE		MIN 0.00		TIME 00:00		MAX 0.00		TIME 00:00		GAGE LOCATION		
		MIN 0.00		TIME 00:00		MAX 0.00		TIME 00:00		GAGE DATUM		
WEATHER CONDITION		WEATHER Weather Caused Critical Delay				TEMP 55 °F / 71 °F		VISIBILITY 10 MI		WIND 25/E MPH		
DRAFT						DISTRIBUTION OF TIME AND MILES RUN						
		LIGHT		LOADED				AGITATING (MIN)		DREDGE & HAUL (MIN)		MILES RUN (NAUT MI)
FORWARD		8		16		EFFECTIVE WORKING TIME:						
AFT		10		15		PUMPING:		00:00		01:18		0.0
DRAG DEPTH		MAX 0		MIN 0		TURNING:		00:00		00:00		0.0
INDICATORS LAST CHECKED ON		08/14/2019				TO DUMP:		00:00		03:40		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		00:04		0.0
GALLONS OF FUEL OIL CONSUMED		GAL		3,359		DISCONNECTING:		00:00		00:00		0.0
GALLONS OF WATER CONSUMED		GAL		561		TO CUT:		00:00		03:28		0.0
						TOTALS:		00:00		08:30		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
NO.OF LOADS		TOTAL CYS		DISPOSAL AREA		TOTAL CYS		LOSS DUE TO NATURAL ELEMENTS:		00:00		15:30
2		2,635		Mobile Site 102 - SW		0		LOSS DUE TO TRAFFIC AND BRIDGES		00:00		00:00
								MINOR OPERATING REPAIRS		00:00		00:00
								TRANSFERRING BETWEEN WORKS		00:00		00:00
								LAY TIME:		00:00		00:00
								FIRE AND BOAT DRILLS:		00:00		00:00
								MISCELLANEOUS		00:00		00:00
								TOTALS		00:00		15:30
								LOST TIME:				
								MAJOR REPAIRS AND ALTERNATIONS		00:00		00:00
								CESSATION:		00:00		00:00
								COLLISIONS:		00:00		00:00
								TOTALS:		00:00		00:00
								TOTAL TIME/MILES:		00:00		24:00



QUALITY CONTROL REPORT-HOPPER DREDGE										PAGE NO. Page 107 of 377	
CONTRACT NO. W9127820F0001 W9127820F0032		CONTRACT TITLE IDIQ Hopper Dredge for Mobile Harbor				CONTRACTOR Dutra Dredging Co.				REPORT NO. 54	
CHARACTER OF REPORT		<input checked="" type="checkbox"/> MAINTENANCE <input type="checkbox"/> NEW WORK						DATE 02/11/2020			
DREDGE Columbia Hopper Dredge		HOPPER CAP: 4387 CY			AVG VOL OF BIN WATER: 0 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		1115+00 to 1175+00			Mobile Site 102 - SW		7,905		321,500
CHARACTER OF MATERIAL		DENSITY OF MATERIALS			1250			GMS/LITER		1250	
		DENSITY OF WATER			1006			GMS/LITER@		60 °F	
RIVER/TIDE STAGE		MIN 0.00		TIME 00:00		MAX 0.00		TIME 00:00		GAGE LOCATION	
		MIN 0.00		TIME 00:00		MAX 0.00		TIME 00:00		GAGE DATUM	
WEATHER CONDITION		WEATHER Weather Caused Critical Delay			TEMP 60 °F / 74 °F		VISIBILITY 0.5 MI		WIND 15/S MPH		
DRAFT						DISTRIBUTION OF TIME AND MILES RUN					
LIGHT		LOADED				AGITATING (MIN)		DREDGE & HAUL (MIN)		MILES RUN (NAUT MI)	
FORWARD		8		16		EFFECTIVE WORKING TIME:					
AFT		10		15		PUMPING:		00:00		01:34 0.0	
DRAG DEPTH		MAX 0		MIN 0		TURNING:		00:00		00:12 0.0	
INDICATORS LAST CHECKED ON		08/14/2019				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		767		DISCONNECTING:		00:00		00:00 0.0	
GALLONS OF WATER CONSUMED		GAL		748		TO CUT:		00:00		08:01 0.0	
NON-EFFECTIVE WORKING TIME:						TOTALS:		00:00		17:04 0.0	
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		LOSS DUE TO NATURAL ELEMENTS:		00:00		06:56 0.0	
4		7,905		Mobile Site 102 - SW		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 06:56 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 109 of 377	
CONTRACT NO. W9127820F0001 W9127820F0032		CONTRACT TITLE IDIQ Hopper Dredge for Mobile Harbor				CONTRACTOR Dutra Dredging Co.				REPORT NO. 55	
CHARACTER OF REPORT		<input checked="" type="checkbox"/> MAINTENANCE <input type="checkbox"/> NEW WORK						DATE 02/12/2020			
DREDGE Columbia Hopper Dredge		HOPPER CAP: 4387 CY			AVG VOL OF BIN WATER: 0 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		1115+00 to 1175+00			Mobile Site 102 - SW		10,540		332,040
CHARACTER OF MATERIAL		AVG LENGTH OF CUT			AVG WIDTH OF CUT			AVG DIST TO DUMP			
		6000 FT			400 FT			26 NM			
DENSITY OF MATERIALS		DENSITY OF MATERIALS			1250			GMS/LITER		1250	
		DENSITY OF WATER			1006			GMS/LITER@		60 °F	
RIVER/TIDE STAGE		MIN 0.00		TIME 00:00		MAX 0.00		TIME 00:00		GAGE LOCATION	
		MIN 0.00		TIME 00:00		MAX 0.00		TIME 00:00		GAGE DATUM	
WEATHER CONDITION		WEATHER Weather Caused No Delay			TEMP 64 °F / 74 °F		VISIBILITY 5 MI		WIND 15/S MPH		
DRAFT						DISTRIBUTION OF TIME AND MILES RUN					
LIGHT		LOADED				AGITATING (MIN)		DREDGE & HAUL (MIN)		MILES RUN (NAUT MI)	
FORWARD		8		16		EFFECTIVE WORKING TIME:					
AFT		10		15		PUMPING:		00:00		03:21 0.0	
DRAG DEPTH		MAX 0		MIN 0		TURNING:		00:00		00:00 0.0	
INDICATORS LAST CHECKED ON		08/14/2019				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		00:16 0.0	
GALLONS OF FUEL OIL CONSUMED		GAL		1,496		DISCONNECTING:		00:00		00:00 0.0	
GALLONS OF WATER CONSUMED		GAL		935		TO CUT:		00:00		09:47 0.0	
TOTALS:						00:00		24:00		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 0.0	
5		10,540		Mobile Site 102 - SW		0		LOSS DUE TO TRAFFIC AND BRIDGES		00:00 0.0	
								MINOR OPERATING REPAIRS		00:00 0.0	
								TRANSFERRING BETWEEN WORKS		00:00 0.0	
								LAY TIME:		00:00 0.0	
								FIRE AND BOAT DRILLS:		00:00 0.0	
								MISCELLANEOUS		00:00 0.0	
								TOTALS		00:00 0.0	
ATTENDANT PLANT						LOST TIME:					
ITEM		NAME OR NUMBER		H.P.		HOURS		MAJOR REPAIRS AND ALTERNATIONS		00:00 0.0	
Crew Boat		Cape Anne		400		24:00		CESSATION:		00:00 0.0	
								COLLISIONS:		00:00 0.0	
								TOTALS:		00:00 0.0	
								TOTAL TIME/MILES:		00:00 24:00 0.0	



QUALITY CONTROL REPORT-HOPPER DREDGE										PAGE NO. Page 111 of 377	
CONTRACT NO. W9127820F0001 W9127820F0032		CONTRACT TITLE IDIQ Hopper Dredge for Mobile Harbor				CONTRACTOR Dutra Dredging Co.				REPORT NO. 56	
CHARACTER OF REPORT		<input checked="" type="checkbox"/> MAINTENANCE <input type="checkbox"/> NEW WORK						DATE 02/13/2020			
DREDGE Columbia Hopper Dredge		HOPPER CAP: 4387 CY			AVG VOL OF BIN WATER: 0 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		1115+00 to 1175+00			Mobile Site 102 - SW		10,540		342,580
CHARACTER OF MATERIAL		AVG LENGTH OF CUT			AVG WIDTH OF CUT			AVG DIST TO DUMP			
		6000 FT			400 FT			26 NM			
DENSITY OF MATERIALS		DENSITY OF MATERIALS			1250			GMS/LITER		1250	
		DENSITY OF WATER			1006			GMS/LITER@		60 °F	
RIVER/TIDE STAGE		MIN 0.00		TIME 00:00		MAX 0.00		TIME 00:00		GAGE LOCATION	
		MIN 0.00		TIME 00:00		MAX 0.00		TIME 00:00		GAGE DATUM	
WEATHER CONDITION		WEATHER Weather Caused No Delay			TEMP 58 °F / 75 °F		VISIBILITY 5 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		16		EFFECTIVE WORKING TIME:					
AFT		10		15		PUMPING:		00:00		02:43 0.0	
DRAG DEPTH		MAX 0		MIN 0		TURNING:		00:00		00:00 0.0	
INDICATORS LAST CHECKED ON		08/14/2019				TO DUMP:		00:00		11:24 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		00:16 0.0	
GALLONS OF FUEL OIL CONSUMED		GAL		1,908		DISCONNECTING:		00:00		00:00 0.0	
GALLONS OF WATER CONSUMED		GAL		1,122		TO CUT:		00:00		09:37 0.0	
TOTALS:						00:00		24:00		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 0.0	
5		10,540		Mobile Site 102 - SW		0		LOSS DUE TO TRAFFIC AND BRIDGES		00:00 0.0	
								MINOR OPERATING REPAIRS		00:00 0.0	
								TRANSFERRING BETWEEN WORKS		00:00 0.0	
								LAY TIME:		00:00 0.0	
								FIRE AND BOAT DRILLS:		00:00 0.0	
								MISCELLANEOUS		00:00 0.0	
								TOTALS		00:00 0.0	
ATTENDANT PLANT						LOST TIME:					
ITEM		NAME OR NUMBER		H.P.		HOURS		MAJOR REPAIRS AND ALTERNATIONS		00:00 0.0	
Crew Boat		Cape Anne		400		24:00		CESSATION:		00:00 0.0	
								COLLISIONS:		00:00 0.0	
								TOTALS:		00:00 0.0	
								TOTAL TIME/MILES:		00:00 24:00 0.0	





QUALITY CONTROL REPORT-HOPPER DREDGE										PAGE NO. Page 113 of 377		
CONTRACT NO. W9127820F0001 W9127820F0032		CONTRACT TITLE IDIQ Hopper Dredge for Mobile Harbor				CONTRACTOR Dutra Dredging Co.				REPORT NO. 57		
CHARACTER OF REPORT		<input checked="" type="checkbox"/> MAINTENANCE <input type="checkbox"/> NEW WORK						DATE 02/14/2020				
DREDGE Columbia Hopper Dredge		HOPPER CAP: 4387 CY			AVG VOL OF BIN WATER: 0 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		1115+00 to 1175+00			Mobile Site 102 - SW		13,175		355,755	
CHARACTER OF MATERIAL		AVG LENGTH OF CUT			AVG WIDTH OF CUT			AVG DIST TO DUMP				
		6000 FT			400 FT			26 NM				
CHARACTER OF MATERIAL		DENSITY OF MATERIALS				1250		GMS/LITER		1250		
		DENSITY OF WATER				1006		GMS/LITER@		60 °F		
RIVER/TIDE STAGE		MIN 0.00		TIME 00:00		MAX 0.00		TIME 00:00		GAGE LOCATION		
		MIN 0.00		TIME 00:00		MAX 0.00		TIME 00:00		GAGE DATUM		
WEATHER CONDITION		WEATHER Weather Caused No Delay				TEMP 48 °F / 63 °F		VISIBILITY 10 MI		WIND 25/NE MPH		
DRAFT						DISTRIBUTION OF TIME AND MILES RUN						
		LIGHT		LOADED				AGITATING (MIN)		DREDGE & HAUL (MIN)		MILES RUN (NAUT MI)
FORWARD		8		16		EFFECTIVE WORKING TIME:						
AFT		10		15		PUMPING:		00:00		03:10		0.0
DRAG DEPTH		MAX 0		MIN 0		TURNING:		00:00		00:06		0.0
INDICATORS LAST CHECKED ON		08/14/2019				TO DUMP:		00:00		09:11		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		00:20		0.0
GALLONS OF FUEL OIL CONSUMED		GAL		2,577		DISCONNECTING:		00:00		00:00		0.0
GALLONS OF WATER CONSUMED		GAL		935		TO CUT:		00:00		11:13		0.0
						TOTALS:		00:00		24:00		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		0.0
6		13,175		Mobile Site 102 - SW		0		LOSS DUE TO TRAFFIC AND BRIDGES		00:00		0.0
								MINOR OPERATING REPAIRS		00:00		0.0
								TRANSFERRING BETWEEN WORKS		00:00		0.0
								LAY TIME:		00:00		0.0
								FIRE AND BOAT DRILLS:		00:00		0.0
Crew Boat		Cape Anne		400		24:00		MISCELLANEOUS		00:00		0.0
								TOTALS		00:00		0.0
LOST TIME:												
								MAJOR REPAIRS AND ALTERNATIONS		00:00		0.0
								CESSATION:		00:00		0.0
								COLLISIONS:		00:00		0.0
								TOTALS:		00:00		0.0
								TOTAL TIME/MILES:		00:00		24:00
												0.0

QUALITY CONTROL REPORT-HOPPER DREDGE					PAGE NO. Page 114 of 377	
CONTRACT NO. W9127820F0032		CONTRACT TITLE IDIQ Hopper Dredge for Mobile Harbor		CONTRACTOR Dutra Dredging Co.		REPORT NO. 57
DREDGE		NAME AND TYPE Columbia Hopper Dredge				DATE 02/14/2020
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	1115+00 to 1175+00	00:00	0	51	55	
	Mobile Site 102 - SW	00:00	0	4	2,635	
				0	0	
2	1115+00 to 1175+00	00:55	35	121	315	
	Mobile Site 102 - SW	01:34	4	4	2,635	
				151	0	
3	1115+00 to 1175+00	06:10	37	134	303	
	Mobile Site 102 - SW	06:47	0	4	2,635	
				128	0	
4	1115+00 to 1175+00	11:13	39	133	306	
	Mobile Site 102 - SW	11:52	0	4	2,635	
				130	0	
5	1115+00 to 1175+00	16:19	43	112	293	
	Mobile Site 102 - SW	17:04	2	4	2,635	
				132	0	
6	1115+00 to 1175+00	21:12	36	0	168	
	Mobile Site 102 - SW	21:48	0	0	0	
				132	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 115 of 377	
CONTRACT NO. W9127820F0001 W9127820F0032		CONTRACT TITLE IDIQ Hopper Dredge for Mobile Harbor				CONTRACTOR Dutra Dredging Co.				REPORT NO. 58	
CHARACTER OF REPORT		<input checked="" type="checkbox"/> MAINTENANCE <input type="checkbox"/> NEW WORK						DATE 02/15/2020			
DREDGE  Columbia Hopper Dredge		HOPPER CAP: 4387 CY			AVG VOL OF BIN WATER: 0 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		1115+00 to 1175+00			Mobile Site 102 - SW		13,175		368,930
CHARACTER OF MATERIAL		AVG LENGTH OF CUT			AVG WIDTH OF CUT			AVG DIST TO DUMP			
		6000 FT			400 FT			26 NM			
DENSITY OF MATERIALS		DENSITY OF MATERIALS			1250			GMS/LITER		1250	
		DENSITY OF WATER			1006			GMS/LITER@		60 °F	
RIVER/TIDE STAGE		MIN 0.00		TIME 00:00		MAX 0.00		TIME 00:00		GAGE LOCATION	
		MIN 0.00		TIME 00:00		MAX 0.00		TIME 00:00		GAGE DATUM	
WEATHER CONDITION		WEATHER Weather Caused No Delay			TEMP 50 °F / 67 °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		16		EFFECTIVE WORKING TIME:					
AFT		10		15		PUMPING:		00:00		02:26 0.0	
DRAG DEPTH		MAX 0		MIN 0		TURNING:		00:00		00:00 0.0	
INDICATORS LAST CHECKED ON		08/14/2019				TO DUMP:		00:00		11:20 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		00:20 0.0	
GALLONS OF FUEL OIL CONSUMED		GAL		1,941		DISCONNECTING:		00:00		00:00 0.0	
GALLONS OF WATER CONSUMED		GAL		561		TO CUT:		00:00		09:54 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			
6		13,175		Mobile Site 102 - SW		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 00:00 0.0	
TOTALS						TOTALS		00:00		00:00 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					PAGE NO. Page 116 of 377	
CONTRACT NO. W9127820F0001 W9127820F0032		CONTRACT TITLE IDIQ Hopper Dredge for Mobile Harbor		CONTRACTOR Dutra Dredging Co.		REPORT NO. 58
DREDGE		NAME AND TYPE Columbia Hopper Dredge			DATE 02/15/2020	
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	1115+00 to 1175+00	00:00	2	133	139	
	Mobile Site 102 - SW	00:02	0	4	2,635	
				0	0	
2	1115+00 to 1175+00	02:19	29	143	304	
	Mobile Site 102 - SW	02:48	0	4	2,635	
				128	0	
3	1115+00 to 1175+00	07:23	40	141	305	
	Mobile Site 102 - SW	08:03	0	4	2,635	
				120	0	
4	1115+00 to 1175+00	12:28	39	138	303	
	Mobile Site 102 - SW	13:07	0	4	2,635	
				122	0	
5	1115+00 to 1175+00	17:31	36	125	299	
	Mobile Site 102 - SW	18:07	0	4	2,635	
				134	0	
6	1115+00 to 1175+00	22:30	0	0	90	
	Mobile Site 102 - SW	22:30	0	0	0	
				90	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 117 of 377	
CONTRACT NO. W9127820F0001 W9127820F0032		CONTRACT TITLE IDIQ Hopper Dredge for Mobile Harbor				CONTRACTOR Dutra Dredging Co.				REPORT NO. 59	
CHARACTER OF REPORT		<input checked="" type="checkbox"/> MAINTENANCE <input type="checkbox"/> NEW WORK						DATE 02/16/2020			
DREDGE Columbia Hopper Dredge		HOPPER CAP: 4387 CY			AVG VOL OF BIN WATER: 0 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		1115+00 to 1175+00			Mobile Site 102 - SW		10,540		379,470
CHARACTER OF MATERIAL		DENSITY OF MATERIALS			1250			GMS/LITER		1250	
		DENSITY OF WATER			1006			GMS/LITER@		60 °F	
RIVER/TIDE STAGE		MIN 0.00		TIME 00:00		MAX 0.00		TIME 00:00		GAGE LOCATION	
		MIN 0.00		TIME 00:00		MAX 0.00		TIME 00:00		GAGE DATUM	
WEATHER CONDITION		WEATHER Weather Caused No Delay			TEMP 57 °F / 63 °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		16		EFFECTIVE WORKING TIME:					
AFT		10		15		PUMPING:		00:00		02:57 0.0	
DRAG DEPTH		MAX 0		MIN 0		TURNING:		00:00		00:00 0.0	
INDICATORS LAST CHECKED ON		08/14/2019				TO DUMP:		00:00		10:56 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		00:22 0.0	
GALLONS OF FUEL OIL CONSUMED		GAL		2,218		DISCONNECTING:		00:00		00:00 0.0	
GALLONS OF WATER CONSUMED		GAL		561		TO CUT:		00:00		09:45 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			
5		10,540		Mobile Site 102 - SW		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 00:00 0.0	
TOTALS						TOTALS		00:00		00:00 0.0	
LOST TIME:						MAJOR REPAIRS AND ALTERNATIONS		00:00		00:00 0.0	
MAJOR REPAIRS AND ALTERNATIONS						CESSATION:		00:00		00:00 0.0	
CESSATION:						COLLISIONS:		00:00		00:00 0.0	
COLLISIONS:						TOTALS:		00:00		00:00 0.0	
TOTALS:						TOTAL TIME/MILES:		00:00		24:00 0.0	
TOTAL TIME/MILES:						TOTAL TIME/MILES:		00:00		24:00 0.0	



QUALITY CONTROL REPORT-HOPPER DREDGE										PAGE NO. Page 119 of 377	
CONTRACT NO. W9127820F0001 W9127820F0032		CONTRACT TITLE IDIQ Hopper Dredge for Mobile Harbor				CONTRACTOR Dutra Dredging Co.				REPORT NO. 60	
CHARACTER OF REPORT		<input checked="" type="checkbox"/> MAINTENANCE <input type="checkbox"/> NEW WORK						DATE 02/17/2020			
DREDGE Columbia Hopper Dredge		HOPPER CAP: 4387 CY			AVG VOL OF BIN WATER: 0 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			1115+00 to 1175+00			Mobile Site 102 - SW		13,175	392,645
CHARACTER OF MATERIAL		AVG LENGTH OF CUT			AVG WIDTH OF CUT			AVG DIST TO DUMP			
		6000 FT			400 FT			26 NM			
DENSITY OF MATERIALS		DENSITY OF MATERIALS			1250			GMS/LITER		1250	
		DENSITY OF WATER			1006			GMS/LITER@		60 °F	
RIVER/TIDE STAGE		MIN 0.00		TIME 00:00		MAX 0.00		TIME 00:00		GAGE LOCATION	
		MIN 0.00		TIME 00:00		MAX 0.00		TIME 00:00		GAGE DATUM	
WEATHER CONDITION		WEATHER Weather Caused No Delay			TEMP 63 °F / 71 °F		VISIBILITY 10 MI		WIND 10/E MPH		
DRAFT						DISTRIBUTION OF TIME AND MILES RUN					
LIGHT		LOADED						AGITATING (MIN)	DREDGE & HAUL (MIN)	MILES RUN (NAUT MI)	
FORWARD		8		16		EFFECTIVE WORKING TIME:					
AFT		10		15		PUMPING:	00:00	02:40	0.0		
DRAG DEPTH		MAX 0		MIN 0		TURNING:	00:00	00:00	0.0		
INDICATORS LAST CHECKED ON 08/14/2019						TO DUMP:	00:00	10:01	0.0		
AVERAGE SPEED OF DREDGE DURING LOADING						CONNECTING:	00:00	00:00	0.0		
AVERAGE SPEED OF DREDGE DURING AGITATING						DUMPING:	00:00	00:20	0.0		
GALLONS OF FUEL OIL CONSUMED						DISCONNECTING:	00:00	00:00	0.0		
GALLONS OF WATER CONSUMED						TO CUT:	00:00	10:59	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		
AGITATING				NO.OF LOADS		TO AND FROM WHARF OR ANCHORAGE:	00:00	00:00	0.0		
TOTAL CYS		DISPOSAL AREA		TOTAL CYS		LOSS DUE TO NATURAL ELEMENTS:	00:00	00:00	0.0		
6		13,175		0		LOSS DUE TO TRAFFIC AND BRIDGES	00:00	00:00	0.0		
		Mobile Site 102 - SW				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 120 of 377	
CONTRACT NO. W9127820F0001 W9127820F0032		CONTRACT TITLE IDIQ Hopper Dredge for Mobile Harbor		CONTRACTOR Dutra Dredging Co.		REPORT NO. 60
DREDGE		NAME AND TYPE Columbia Hopper Dredge			DATE 02/17/2020	
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	1115+00 to 1175+00	00:00	0	15	19	
	Mobile Site 102 - SW	00:00	0	4	2,635	
				0	0	
2	1115+00 to 1175+00	00:19	42	180	411	
	Mobile Site 102 - SW	01:01	0	4	2,635	
				185	0	
3	1115+00 to 1175+00	07:10	40	147	344	
	Mobile Site 102 - SW	07:50	0	4	2,635	
				153	0	
4	1115+00 to 1175+00	12:54	40	134	299	
	Mobile Site 102 - SW	13:34	0	4	2,635	
				121	0	
5	1115+00 to 1175+00	17:53	38	125	290	
	Mobile Site 102 - SW	18:31	0	4	2,635	
				123	0	
6	1115+00 to 1175+00	22:43	0	0	77	
	Mobile Site 102 - SW	22:43	0	0	0	
				77	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 121 of 377	
CONTRACT NO. W9127820F0001 W9127820F0032		CONTRACT TITLE IDIQ Hopper Dredge for Mobile Harbor				CONTRACTOR Dutra Dredging Co.				REPORT NO. 61	
CHARACTER OF REPORT		<input checked="" type="checkbox"/> MAINTENANCE <input type="checkbox"/> NEW WORK						DATE 02/18/2020			
DREDGE  Columbia Hopper Dredge		HOPPER CAP: 4387 CY			AVG VOL OF BIN WATER: 0 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		1115+00 to 1175+00			Mobile Site 102 - SW		7,905		400,550
CHARACTER OF MATERIAL		DENSITY OF MATERIALS			1250			GMS/LITER		1250	
		DENSITY OF WATER			1006			GMS/LITER@		60 °F	
RIVER/TIDE STAGE		MIN 0.00		TIME 00:00		MAX 0.00		TIME 00:00		GAGE LOCATION	
		MIN 0.00		TIME 00:00		MAX 0.00		TIME 00:00		GAGE DATUM	
WEATHER CONDITION		WEATHER Weather Caused No Delay			TEMP 66 °F / 74 °F		VISIBILITY 0.5 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		16		EFFECTIVE WORKING TIME:					
AFT		10		15		PUMPING:		00:00		02:51 0.0	
DRAG DEPTH		MAX 0		MIN 0		TURNING:		00:00		00:00 0.0	
INDICATORS LAST CHECKED ON		08/14/2019				TO DUMP:		00:00		10:13 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		2,732		DISCONNECTING:		00:00		00:00 0.0	
GALLONS OF WATER CONSUMED		GAL		935		TO CUT:		00:00		09:26 0.0	
WORK PERFORMED						TOTALS:		00:00		22:42 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		0		00:00		01:18 0.0	
ATTENDANT PLANT						TO AND FROM WHARF OR ANCHORAGE:		00:00		00:00 0.0	
ITEM		NAME OR NUMBER		H.P.		HOURS		LOSS DUE TO NATURAL ELEMENTS:			
Crew Boat		Cape Anne		400		24:00		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		01:18 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 123 of 377	
CONTRACT NO. W9127820F0001 W9127820F0032		CONTRACT TITLE IDIQ Hopper Dredge for Mobile Harbor				CONTRACTOR Dutra Dredging Co.				REPORT NO. 62	
CHARACTER OF REPORT		<input checked="" type="checkbox"/> MAINTENANCE <input type="checkbox"/> NEW WORK						DATE 02/19/2020			
DREDGE Columbia Hopper Dredge		HOPPER CAP: 4387 CY			AVG VOL OF BIN WATER: 0 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		1115+00 to 1175+00			Mobile Site 102 - SW		13,175		413,725
CHARACTER OF MATERIAL		DENSITY OF MATERIALS			1250			GMS/LITER		1250	
		DENSITY OF WATER			1006			GMS/LITER@		60 °F	
RIVER/TIDE STAGE		MIN 0.00		TIME 00:00		MAX 0.00		TIME 00:00		GAGE LOCATION	
		MIN 0.00		TIME 00:00		MAX 0.00		TIME 00:00		GAGE DATUM	
WEATHER CONDITION		WEATHER Weather Caused No Delay			TEMP 64 °F / 73 °F		VISIBILITY 0.5 MI		WIND 15/W MPH		
DRAFT						DISTRIBUTION OF TIME AND MILES RUN					
LIGHT		LOADED				AGITATING (MIN)		DREDGE & HAUL (MIN)		MILES RUN (NAUT MI)	
FORWARD		8		16		EFFECTIVE WORKING TIME:					
AFT		10		15		PUMPING:		00:00		02:26 0.0	
DRAG DEPTH		MAX 0		MIN 0		TURNING:		00:00		00:00 0.0	
INDICATORS LAST CHECKED ON		08/14/2019				TO DUMP:		00:00		11:04 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		00:20 0.0	
GALLONS OF FUEL OIL CONSUMED		GAL		1,395		DISCONNECTING:		00:00		00:00 0.0	
GALLONS OF WATER CONSUMED		GAL		561		TO CUT:		00:00		10:10 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			
6		13,175		Mobile Site 102 - SW		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 00:00 0.0	
TOTALS						TOTALS		00:00		00:00 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					PAGE NO. Page 124 of 377	
CONTRACT NO. W9127820F0032		CONTRACT TITLE IDIQ Hopper Dredge for Mobile Harbor		CONTRACTOR Dutra Dredging Co.		REPORT NO. 62
DREDGE		NAME AND TYPE Columbia Hopper Dredge				DATE 02/19/2020
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	1115+00 to 1175+00	00:00	0	80	84	
	Mobile Site 102 - SW	00:00	0	4	2,635	
				0	0	
2	1115+00 to 1175+00	01:24	40	171	398	
	Mobile Site 102 - SW	02:04	0	4	2,635	
				183	0	
3	1055+00 to 1115+00	08:02	33	141	306	
	Mobile Site 102 - SW	08:35	0	4	2,635	
				128	0	
4	1055+00 to 1115+00	13:08	39	143	322	
	Mobile Site 102 - SW	13:47	0	4	2,635	
				136	0	
5	1055+00 to 1115+00	18:30	34	129	305	
	Mobile Site 102 - SW	19:04	0	4	2,635	
				138	0	
6	1055+00 to 1115+00	23:35	0	0	25	
	Mobile Site 102 - SW	23:35	0	0	0	
				25	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 125 of 377	
CONTRACT NO. W9127820F0001 W9127820F0032		CONTRACT TITLE IDIQ Hopper Dredge for Mobile Harbor				CONTRACTOR Dutra Dredging Co.				REPORT NO. 63	
CHARACTER OF REPORT		<input checked="" type="checkbox"/> MAINTENANCE <input type="checkbox"/> NEW WORK						DATE 02/20/2020			
DREDGE Columbia Hopper Dredge		HOPPER CAP: 4387 CY			AVG VOL OF BIN WATER: 0 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		1055+43 to 1115+00			Mobile Site 102 - SW		2,635	416,360	
CHARACTER OF MATERIAL		DENSITY OF MATERIALS			1250			GMS/LITER		1250	
		DENSITY OF WATER			1006			GMS/LITER@		60 °F	
RIVER/TIDE STAGE		MIN 0.00		TIME 00:00		MAX 0.00		TIME 00:00		GAGE LOCATION	
		MIN 0.00		TIME 00:00		MAX 0.00		TIME 00:00		GAGE DATUM	
WEATHER CONDITION		WEATHER Weather Caused No Delay			TEMP 38 °F / 65 °F		VISIBILITY 0.5 MI		WIND 35/NW MPH		
DRAFT					DISTRIBUTION OF TIME AND MILES RUN						
LIGHT		LOADED					AGITATING (MIN)	DREDGE & HAUL (MIN)	MILES RUN (NAUT MI)		
FORWARD		8			16			EFFECTIVE WORKING TIME:			
AFT		10			15			PUMPING:	00:00	00:40	0.0
DRAG DEPTH		MAX 0			MIN 0			TURNING:	00:00	00:00	0.0
INDICATORS LAST CHECKED ON		08/14/2019						TO DUMP:	00:00	02:10	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			2,847			DISCONNECTING:	00:00	00:00	0.0
GALLONS OF WATER CONSUMED		GAL			935			TO CUT:	00:00	04:55	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	01:30	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 Site 102 - SW		0		LOSS DUE TO TRAFFIC AND BRIDGES		00:00	00:00	0.0	
						MINOR OPERATING REPAIRS		00:00	14:41	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	16:11	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 127 of 377			
CONTRACT NO. W9127820F0001 W9127820F0032		CONTRACT TITLE IDIQ Hopper Dredge for Mobile Harbor				CONTRACTOR Dutra Dredging Co.				REPORT NO. 64			
CHARACTER OF REPORT		<input checked="" type="checkbox"/> MAINTENANCE <input type="checkbox"/> NEW WORK						DATE 02/21/2020					
DREDGE  Columbia Hopper Dredge		HOPPER CAP: 4387 CY			AVG VOL OF BIN WATER: 0 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		1055+43 to 1115+00			Mobile Site 102 - SW		5,270		421,630		
CHARACTER OF MATERIAL		AVG LENGTH OF CUT			AVG WIDTH OF CUT			AVG DIST TO DUMP					
		6000 FT			400 FT			26 NM					
CHARACTER OF MATERIAL		DENSITY OF MATERIALS				1250		GMS/LITER		1250			
		DENSITY OF WATER				1006		GMS/LITER@		60 °F			
RIVER/TIDE STAGE		MIN 0.00		TIME 00:00		MAX 0.00		TIME 00:00		GAGE LOCATION			
		MIN 0.00		TIME 00:00		MAX 0.00		TIME 00:00		GAGE DATUM			
WEATHER CONDITION		WEATHER Weather Caused No Delay				TEMP 38 °F / 65 °F		VISIBILITY 0.5 MI		WIND 35/NW MPH			
DRAFT						DISTRIBUTION OF TIME AND MILES RUN							
		LIGHT		LOADED				AGITATING (MIN)		DREDGE & HAUL (MIN)		MILES RUN (NAUT MI)	
FORWARD		8		16		EFFECTIVE WORKING TIME:							
AFT		10		15		PUMPING:		00:00		01:08		0.0	
DRAG DEPTH		MAX 0		MIN 0		TURNING:		00:00		00:00		0.0	
INDICATORS LAST CHECKED ON		08/14/2019				TO DUMP:		00:00		04:39		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		00:08		0.0	
GALLONS OF FUEL OIL CONSUMED		GAL		1,052		DISCONNECTING:		00:00		00:00		0.0	
GALLONS OF WATER CONSUMED		GAL		700		TO CUT:		00:00		04:02		0.0	
						TOTALS:		00:00		09:57		0.0	
WORK PERFORMED						NON-EFFECTIVE WORKING TIME:							
						TAKING ON FUEL AND SUPPLIES		00:00		03:22		0.0	
						TO AND FROM WHARF OR ANCHORAGE:		00:00		01:18		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		0		LOSS DUE TO TRAFFIC AND BRIDGES		00:00		00:00	0.0
								MINOR OPERATING REPAIRS		00:00		09:23	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		14:03	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 128 of 377

**CONTRACT NO.**  
W9127820F0032

**CONTRACT TITLE**  
IDIQ Hopper Dredge for Mobile Harbor

**CONTRACTOR**  
Dutra Dredging Co.

**REPORT NO.**  
64

**DREDGE**

**NAME AND TYPE**  
Columbia Hopper Dredge

**DATE**  
02/21/2020

**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	1055+00 to 1115+00	14:03	32	133	169
	Mobile Site 102 - SW	14:35	0	4 0	2,635 0
2	1055+00 to 1115+00	16:52	36	146	316
	Mobile Site 102 - SW	17:28	0	4 130	2,635 0
3	1055+00 to 1115+00	22:08	0	0	112
	Mobile Site 102 - SW	22:08	0	0 112	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 129 of 377	
CONTRACT NO. W9127820F0001 W9127820F0032		CONTRACT TITLE IDIQ Hopper Dredge for Mobile Harbor				CONTRACTOR Dutra Dredging Co.				REPORT NO. 65	
CHARACTER OF REPORT		<input checked="" type="checkbox"/> MAINTENANCE <input type="checkbox"/> NEW WORK						DATE 02/22/2020			
DREDGE  Columbia Hopper Dredge		HOPPER CAP: 4387 CY			AVG VOL OF BIN WATER: 0 CY			AVG UNFILLED CAP: 0 CY			
		NO. OF CREW MEMBERS	DREDGE 13		OTHER PLANT 4	WORK SCHEDULE		SHIFTS PER DAY 2	DAYS PER WEEK 7		
LOCATION OF WORK		LOCATION CHANNEL Mobile Bay	REACH DREDGED; STA TO STA 1055+43 to 1115+00			DISPOSAL AREA USE Mobile Site 102 - SW		QTY DEPOSITED GROSS(CY) 10,540	CUMULATIVE AND QTY DEPOSIT FOR DA(CY) 432,170		
		AVG LENGTH OF CUT 6000 FT			AVG WIDTH OF CUT 400 FT			AVG DIST TO DUMP 26 NM			
CHARACTER OF MATERIAL		DENSITY OF MATERIALS				1250		GMS/LITER		1250	
		DENSITY OF WATER				1006		GMS/LITER@		60 °F	
RIVER/TIDE STAGE		MIN 0.00	TIME 00:00	MAX 0.00	TIME 00:00	GAGE LOCATION					
		MIN 0.00	TIME 00:00	MAX 0.00	TIME 00:00	GAGE DATUM					
WEATHER CONDITION		WEATHER Weather Caused No Delay			TEMP 45 °F / 68 °F		VISIBILITY 0.5 MI		WIND 10 MPH		
DRAFT					DISTRIBUTION OF TIME AND MILES RUN						
	LIGHT		LOADED				AGITATING (MIN)	DREDGE & HAUL (MIN)	MILES RUN (NAUT MI)		
FORWARD	8		16			EFFECTIVE WORKING TIME:					
AFT	10		15			PUMPING:	00:00	03:05	0.0		
DRAG DEPTH	MAX 0		MIN 0			TURNING:	00:00	00:04	0.0		
INDICATORS LAST CHECKED ON	08/14/2019										
AVERAGE SPEED OF DREDGE DURING LOADING			FT/MIN	0			TO DUMP:	00:00	10:57	0.0	
AVERAGE SPEED OF DREDGE DURING AGITATING			FT/MIN	0			CONNECTING:	00:00	00:00	0.0	
GALLONS OF FUEL OIL CONSUMED			GAL	2,200			DUMPING:	00:00	00:16	0.0	
GALLONS OF WATER CONSUMED			GAL	550			DISCONNECTING:	00:00	00:00	0.0	
						TO CUT:	00:00	09:38	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		
NO.OF LOADS	TOTAL CYS	DISPOSAL AREA		TOTAL CYS		LOSS DUE TO NATURAL ELEMENTS:	00:00	00:00	0.0		
5	10,540	Mobile Site 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		
						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 131 of 377			
CONTRACT NO. W9127820F0001 W9127820F0032		CONTRACT TITLE IDIQ Hopper Dredge for Mobile Harbor				CONTRACTOR Dutra Dredging Co.				REPORT NO. 66			
CHARACTER OF REPORT		<input checked="" type="checkbox"/> MAINTENANCE <input type="checkbox"/> NEW WORK						DATE 02/23/2020					
DREDGE  Columbia Hopper Dredge		HOPPER CAP: 4387 CY			AVG VOL OF BIN WATER: 0 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		1055+43 to 1115+00			Mobile Site 102 - SW		13,175		445,345		
CHARACTER OF MATERIAL		AVG LENGTH OF CUT			AVG WIDTH OF CUT			AVG DIST TO DUMP					
		6000 FT			400 FT			26 NM					
CHARACTER OF MATERIAL		DENSITY OF MATERIALS				1250		GMS/LITER		1250			
		DENSITY OF WATER				1006		GMS/LITER@		60 °F			
RIVER/TIDE STAGE		MIN 0.00		TIME 00:00		MAX 0.00		TIME 00:00		GAGE LOCATION			
		MIN 0.00		TIME 00:00		MAX 0.00		TIME 00:00		GAGE DATUM			
WEATHER CONDITION		WEATHER Weather Caused No Delay				TEMP 45 °F / 68 °F		VISIBILITY 0.5 MI		WIND 10 MPH			
DRAFT						DISTRIBUTION OF TIME AND MILES RUN							
		LIGHT		LOADED				AGITATING (MIN)		DREDGE & HAUL (MIN)		MILES RUN (NAUT MI)	
FORWARD		8		16		EFFECTIVE WORKING TIME:							
AFT		10		15		PUMPING:		00:00		02:33		0.0	
DRAG DEPTH		MAX 0		MIN 0		TURNING:		00:00		00:08		0.0	
INDICATORS LAST CHECKED ON		08/14/2019				TO DUMP:		00:00		09:26		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		00:46		0.0	
GALLONS OF FUEL OIL CONSUMED		GAL		2,200		DISCONNECTING:		00:00		00:00		0.0	
GALLONS OF WATER CONSUMED		GAL		550		TO CUT:		00:00		11:07		0.0	
						TOTALS:		00:00		24:00		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
6		13,175		Mobile Site 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
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 132 of 377	
CONTRACT NO. W9127820F0032		CONTRACT TITLE IDIQ Hopper Dredge for Mobile Harbor		CONTRACTOR Dutra Dredging Co.		REPORT NO. 66
DREDGE		NAME AND TYPE Columbia Hopper Dredge				DATE 02/23/2020
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	1055+00 to 1115+00	00:00	0	19	23	
	Mobile Site 102 - SW	00:00	0	4	2,635	
				0	0	
2	1055+00 to 1115+00	00:23	33	140	317	
	Mobile Site 102 - SW	00:56	0	4	2,635	
				140	0	
3	1055+00 to 1115+00	05:40	40	142	345	
	Mobile Site 102 - SW	06:20	0	30	2,635	
				133	0	
4	1055+00 to 1115+00	11:25	39	130	311	
	Mobile Site 102 - SW	12:08	4	4	2,635	
				134	0	
5	1055+00 to 1115+00	16:36	41	135	307	
	Mobile Site 102 - SW	17:21	4	4	2,635	
				123	0	
6	1055+00 to 1115+00	21:43	0	0	137	
	Mobile Site 102 - SW	21:43	0	0	0	
				137	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 133 of 377	
CONTRACT NO. W9127820F0001 W9127820F0032		CONTRACT TITLE IDIQ Hopper Dredge for Mobile Harbor				CONTRACTOR Dutra Dredging Co.				REPORT NO. 67	
CHARACTER OF REPORT		<input checked="" type="checkbox"/> MAINTENANCE <input type="checkbox"/> NEW WORK						DATE 02/24/2020			
DREDGE Columbia Hopper Dredge		HOPPER CAP: 4387 CY			AVG VOL OF BIN WATER: 0 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		1055+43 to 1115+00			Mobile Site 102 - SW		10,540		455,885
CHARACTER OF MATERIAL		AVG LENGTH OF CUT			AVG WIDTH OF CUT			AVG DIST TO DUMP			
		6000 FT			400 FT			26 NM			
DENSITY OF MATERIALS		DENSITY OF MATERIALS			1250			GMS/LITER		1250	
		DENSITY OF WATER			1006			GMS/LITER@		60 °F	
RIVER/TIDE STAGE		MIN 0.00		TIME 00:00		MAX 0.00		TIME 00:00		GAGE LOCATION	
		MIN 0.00		TIME 00:00		MAX 0.00		TIME 00:00		GAGE DATUM	
WEATHER CONDITION		WEATHER Weather Caused No Delay			TEMP 45 °F / 68 °F		VISIBILITY 0.5 MI		WIND 10 MPH		
DRAFT						DISTRIBUTION OF TIME AND MILES RUN					
LIGHT		LOADED				AGITATING (MIN)		DREDGE & HAUL (MIN)		MILES RUN (NAUT MI)	
FORWARD		8		16		EFFECTIVE WORKING TIME:					
AFT		10		15		PUMPING:		00:00		03:52 0.0	
DRAG DEPTH		MAX 0		MIN 0		TURNING:		00:00		00:12 0.0	
INDICATORS LAST CHECKED ON		08/14/2019				TO DUMP:		00:00		10:33 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		2,444		DISCONNECTING:		00:00		00:00 0.0	
GALLONS OF WATER CONSUMED		GAL		374		TO CUT:		00:00		09:07 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			
5		10,540		Mobile Site 102 - SW		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 00:00 0.0	
TOTALS						TOTALS		00:00		00:00 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										PAGE NO. Page 135 of 377				
CONTRACT NO. W9127820F0001 W9127820F0032		CONTRACT TITLE IDIQ Hopper Dredge for Mobile Harbor				CONTRACTOR Dutra Dredging Co.				REPORT NO. 68				
CHARACTER OF REPORT		<input checked="" type="checkbox"/> MAINTENANCE <input type="checkbox"/> NEW WORK						DATE 02/25/2020						
DREDGE  Columbia Hopper Dredge		HOPPER CAP: 4387 CY			AVG VOL OF BIN WATER: 0 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		1055+43 to 1115+00			Mobile Site 102 - SW		10,540		466,425			
CHARACTER OF MATERIAL		AVG LENGTH OF CUT			AVG WIDTH OF CUT			AVG DIST TO DUMP						
		6000 FT			400 FT			26 NM						
DENSITY OF MATERIALS		DENSITY OF MATERIALS			1250			GMS/LITER		1250				
		DENSITY OF WATER			1006			GMS/LITER@		60 °F				
RIVER/TIDE STAGE		MIN 0.00		TIME 00:00		MAX 0.00		TIME 00:00		GAGE LOCATION				
		MIN 0.00		TIME 00:00		MAX 0.00		TIME 00:00		GAGE DATUM				
WEATHER CONDITION		WEATHER Weather Caused No Delay			TEMP 45 °F / 68 °F		VISIBILITY 0.5 MI		WIND 12 MPH					
DRAFT						DISTRIBUTION OF TIME AND MILES RUN								
LIGHT		LOADED						AGITATING (MIN)		DREDGE & HAUL (MIN)		MILES RUN (NAUT MI)		
FORWARD		8		16		EFFECTIVE WORKING TIME:								
AFT		10		15		PUMPING:		00:00		02:45		0.0		
DRAG DEPTH		MAX 0		MIN 0		TURNING:		00:00		00:06		0.0		
INDICATORS LAST CHECKED ON		08/14/2019				TO DUMP:		00:00		10:27		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		2,480		DISCONNECTING:		00:00		00:00		0.0		
GALLONS OF WATER CONSUMED		GAL		935		TO CUT:		00:00		10:26		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	
5		10,540		Mobile Site 102 - SW		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 137 of 377		
CONTRACT NO. W9127820F0001 W9127820F0032		CONTRACT TITLE IDIQ Hopper Dredge for Mobile Harbor				CONTRACTOR Dutra Dredging Co.				REPORT NO. 69		
CHARACTER OF REPORT		<input checked="" type="checkbox"/> MAINTENANCE <input type="checkbox"/> NEW WORK						DATE 02/26/2020				
DREDGE Columbia Hopper Dredge		HOPPER CAP: 4387 CY			AVG VOL OF BIN WATER: 0 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		1055+43 to 1115+00			Mobile Site 102 - SW		10,540		476,965	
CHARACTER OF MATERIAL		AVG LENGTH OF CUT			AVG WIDTH OF CUT			AVG DIST TO DUMP				
		6000 FT			400 FT			26 NM				
CHARACTER OF MATERIAL		DENSITY OF MATERIALS				1250		GMS/LITER		1250		
		DENSITY OF WATER				1006		GMS/LITER@		60 °F		
RIVER/TIDE STAGE		MIN 0.00		TIME 00:00		MAX 0.00		TIME 00:00		GAGE LOCATION		
		MIN 0.00		TIME 00:00		MAX 0.00		TIME 00:00		GAGE DATUM		
WEATHER CONDITION		WEATHER Weather Caused No Delay				TEMP 40 °F / 60 °F		VISIBILITY 0.5 MI		WIND 15 MPH		
DRAFT						DISTRIBUTION OF TIME AND MILES RUN						
		LIGHT		LOADED				AGITATING (MIN)		DREDGE & HAUL (MIN)		MILES RUN (NAUT MI)
FORWARD		8		16		EFFECTIVE WORKING TIME:						
AFT		10		15		PUMPING:		00:00		02:27		0.0
DRAG DEPTH		MAX 0		MIN 0		TURNING:		00:00		00:00		0.0
INDICATORS LAST CHECKED ON		08/14/2019				TO DUMP:		00:00		09:42		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		00:43		0.0
GALLONS OF FUEL OIL CONSUMED		GAL		2,578		DISCONNECTING:		00:00		00:00		0.0
GALLONS OF WATER CONSUMED		GAL		1,122		TO CUT:		00:00		11:08		0.0
						TOTALS:		00:00		24:00		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		0.0
5		10,540		Mobile Site 102 - SW		0		LOSS DUE TO TRAFFIC AND BRIDGES		00:00		0.0
								MINOR OPERATING REPAIRS		00:00		0.0
								TRANSFERRING BETWEEN WORKS		00:00		0.0
								LAY TIME:		00:00		0.0
								FIRE AND BOAT DRILLS:		00:00		0.0
Crew Boat		Cape Anne		400		24:00		MISCELLANEOUS		00:00		0.0
								TOTALS		00:00		0.0
LOST TIME:												
								MAJOR REPAIRS AND ALTERNATIONS		00:00		0.0
								CESSATION:		00:00		0.0
								COLLISIONS:		00:00		0.0
								TOTALS:		00:00		0.0
								TOTAL TIME/MILES:		00:00		24:00
												0.0



QUALITY CONTROL REPORT-HOPPER DREDGE										PAGE NO. Page 139 of 377	
CONTRACT NO. W9127820F0001 W9127820F0032		CONTRACT TITLE IDIQ Hopper Dredge for Mobile Harbor				CONTRACTOR Dutra Dredging Co.				REPORT NO. 70	
CHARACTER OF REPORT		<input checked="" type="checkbox"/> MAINTENANCE <input type="checkbox"/> NEW WORK						DATE 02/27/2020			
DREDGE Columbia Hopper Dredge		HOPPER CAP: 4387 CY		AVG VOL OF BIN WATER: 0 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	1055+43 to 1115+00		Mobile Site 102 - SW	13,175	490,140				
CHARACTER OF MATERIAL		AVG LENGTH OF CUT 6000 FT		AVG WIDTH OF CUT 400 FT		AVG DIST TO DUMP 26 NM					
		DENSITY OF MATERIALS		1250		GMS/LITER 1250					
RIVER/TIDE STAGE		DENSITY OF WATER		1006		GMS/LITER@ 60 °F					
		MIN 0.00	TIME 00:00	MAX 0.00	TIME 00:00	GAGE LOCATION					
WEATHER CONDITION		MIN 0.00	TIME 00:00	MAX 0.00	TIME 00:00	GAGE DATUM					
		WEATHER Weather Caused No Delay		TEMP 45 °F / 68 °F	VISIBILITY 0.5 MI	WIND 15 MPH					
DRAFT					DISTRIBUTION OF TIME AND MILES RUN						
FORWARD	LIGHT	LOADED				AGITATING (MIN)	DREDGE & HAUL (MIN)	MILES RUN (NAUT MI)			
	8	16			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    08/14/2019					TO DUMP:	00:00	09:38	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	01:11	0.0		
GALLONS OF FUEL OIL CONSUMED		GAL	2,050			DISCONNECTING:	00:00	00:00	0.0		
GALLONS OF WATER CONSUMED		GAL	748			TO CUT:	00:00	11:05	0.0		
					TOTALS:	00:00	24:00	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			
6	13,175	Mobile Site 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			
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			

<b>QUALITY CONTROL REPORT-HOPPER DREDGE</b>			<b>PAGE NO.</b> Page 140 of 377	
<b>CONTRACT NO.</b> W9127820F0032	<b>CONTRACT TITLE</b> IDIQ Hopper Dredge for Mobile Harbor	<b>CONTRACTOR</b> Dutra Dredging Co.		<b>REPORT NO.</b> 70
<b>DREDGE</b>	<b>NAME AND TYPE</b> Columbia Hopper Dredge			<b>DATE</b> 02/27/2020

**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	1055+00 to 1115+00	00:00	0	39	57
	Mobile Site 102 - SW	00:00	0	18	2,635
				0	0
2	1055+00 to 1115+00	00:57	32	131	325
	Mobile Site 102 - SW	01:29	0	20	2,635
				142	0
3	1055+00 to 1115+00	06:22	30	141	313
	Mobile Site 102 - SW	06:52	0	4	2,635
				138	0
4	1055+00 to 1115+00	11:35	37	136	330
	Mobile Site 102 - SW	12:12	0	25	2,635
				132	0
5	1055+00 to 1115+00	17:05	27	131	298
	Mobile Site 102 - SW	17:32	0	4	2,635
				136	0
6	1055+00 to 1115+00	22:03	0	0	117
	Mobile Site 102 - SW	22:03	0	0	0
				117	0

**QC NARRATIVE(S)**

<b>CONTRACTOR CERTIFICATION</b>	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.		
<b>QC REPRESENTATIVE'S SIGNATURE</b>	<b>DATE</b>	<b>SUPERINTENDENT'S INITIALS</b>	<b>DATE</b>

QUALITY CONTROL REPORT-HOPPER DREDGE										PAGE NO. Page 141 of 377			
CONTRACT NO. W9127820F0001 W9127820F0032		CONTRACT TITLE IDIQ Hopper Dredge for Mobile Harbor				CONTRACTOR Dutra Dredging Co.				REPORT NO. 71			
CHARACTER OF REPORT		<input checked="" type="checkbox"/> MAINTENANCE <input type="checkbox"/> NEW WORK						DATE 02/28/2020					
DREDGE  Columbia Hopper Dredge		HOPPER CAP: 4387 CY			AVG VOL OF BIN WATER: 0 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		1055+43 to 1115+00			Mobile Site 102 - SW		10,540		500,680		
CHARACTER OF MATERIAL		AVG LENGTH OF CUT			AVG WIDTH OF CUT			AVG DIST TO DUMP					
		6000 FT			400 FT			26 NM					
CHARACTER OF MATERIAL		DENSITY OF MATERIALS				1250		GMS/LITER		1250			
		DENSITY OF WATER				1006		GMS/LITER@		60 °F			
RIVER/TIDE STAGE		MIN 0.00		TIME 00:00		MAX 0.00		TIME 00:00		GAGE LOCATION			
		MIN 0.00		TIME 00:00		MAX 0.00		TIME 00:00		GAGE DATUM			
WEATHER CONDITION		WEATHER Weather Caused No Delay				TEMP 33 °F / 61 °F		VISIBILITY 0.5 MI		WIND 10 MPH			
DRAFT						DISTRIBUTION OF TIME AND MILES RUN							
		LIGHT		LOADED				AGITATING (MIN)		DREDGE & HAUL (MIN)		MILES RUN (NAUT MI)	
FORWARD		8		16		EFFECTIVE WORKING TIME:							
AFT		10		15		PUMPING:		00:00		02:43		0.0	
DRAG DEPTH		MAX 0		MIN 0		TURNING:		00:00		00:00		0.0	
INDICATORS LAST CHECKED ON		08/14/2019				TO DUMP:		00:00		10:44		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		00:58		0.0	
GALLONS OF FUEL OIL CONSUMED		GAL		2,074		DISCONNECTING:		00:00		00:00		0.0	
GALLONS OF WATER CONSUMED		GAL		561		TO CUT:		00:00		09:35		0.0	
						TOTALS:		00:00		24:00		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
5		10,540		Mobile Site 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
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 143 of 377			
CONTRACT NO. W9127820F0001 W9127820F0032		CONTRACT TITLE IDIQ Hopper Dredge for Mobile Harbor				CONTRACTOR Dutra Dredging Co.				REPORT NO. 72			
CHARACTER OF REPORT		<input checked="" type="checkbox"/> MAINTENANCE <input type="checkbox"/> NEW WORK						DATE 02/29/2020					
DREDGE  Columbia Hopper Dredge		HOPPER CAP: 4387 CY			AVG VOL OF BIN WATER: 0 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		1055+43 to 1115+00			Mobile Site 102 - SW		13,175		513,855		
CHARACTER OF MATERIAL		AVG LENGTH OF CUT			AVG WIDTH OF CUT			AVG DIST TO DUMP					
		6000 FT			400 FT			26 NM					
CHARACTER OF MATERIAL		DENSITY OF MATERIALS				1250		GMS/LITER		1250			
		DENSITY OF WATER				1006		GMS/LITER@		60 °F			
RIVER/TIDE STAGE		MIN 0.00		TIME 00:00		MAX 0.00		TIME 00:00		GAGE LOCATION			
		MIN 0.00		TIME 00:00		MAX 0.00		TIME 00:00		GAGE DATUM			
WEATHER CONDITION		WEATHER Weather Caused No Delay				TEMP 42 °F / 69 °F		VISIBILITY 10 MI		WIND 8 MPH			
DRAFT						DISTRIBUTION OF TIME AND MILES RUN							
		LIGHT		LOADED				AGITATING (MIN)		DREDGE & HAUL (MIN)		MILES RUN (NAUT MI)	
FORWARD		8		16		EFFECTIVE WORKING TIME:							
AFT		10		15		PUMPING:		00:00		02:11		0.0	
DRAG DEPTH		MAX 0		MIN 0		TURNING:		00:00		00:00		0.0	
INDICATORS LAST CHECKED ON		08/14/2019				TO DUMP:		00:00		09:58		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		01:23		0.0	
GALLONS OF FUEL OIL CONSUMED		GAL		3,229		DISCONNECTING:		00:00		00:00		0.0	
GALLONS OF WATER CONSUMED		GAL		561		TO CUT:		00:00		10:28		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
6		13,175		Mobile Site 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
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 144 of 377		
CONTRACT NO. W9127820F0032		CONTRACT TITLE IDIQ Hopper Dredge for Mobile Harbor		CONTRACTOR Dutra Dredging Co.		REPORT NO. 72	
DREDGE		NAME AND TYPE Columbia Hopper Dredge				DATE 02/29/2020	
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	1055+00 to 1115+00	00:00	0	50	75		
	Mobile Site 102 - SW	00:00	0	25	2,635		
				0	0		
2	1055+00 to 1115+00	01:15	33	137	316		
	Mobile Site 102 - SW	01:48	0	4	2,635		
				142	0		
3	1055+00 to 1115+00	06:31	31	139	324		
	Mobile Site 102 - SW	07:02	0	25	2,635		
				129	0		
4	1055+00 to 1115+00	11:55	34	139	307		
	Mobile Site 102 - SW	12:29	0	4	2,635		
				130	0		
5	1055+00 to 1115+00	17:02	33	133	328		
	Mobile Site 102 - SW	17:35	0	25	2,635		
				137	0		
6	1055+00 to 1115+00	22:30	0	0	90		
	Mobile Site 102 - SW	22:30	0	0	0		
				90	0		

**QC NARRATIVE(S)**

<b>CONTRACTOR CERTIFICATION</b>		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.					
<b>QC REPRESENTATIVE'S SIGNATURE</b>			<b>DATE</b>	<b>SUPERINTENDENT'S INITIALS</b>		<b>DATE</b>	



QUALITY CONTROL REPORT-HOPPER DREDGE										PAGE NO. Page 145 of 377	
CONTRACT NO. W9127820F0001 W9127820F0032		CONTRACT TITLE IDIQ Hopper Dredge for Mobile Harbor				CONTRACTOR Dutra Dredging Co.				REPORT NO. 73	
CHARACTER OF REPORT		<input checked="" type="checkbox"/> MAINTENANCE <input type="checkbox"/> NEW WORK						DATE 03/01/2020			
DREDGE Columbia Hopper Dredge		HOPPER CAP: 4387 CY			AVG VOL OF BIN WATER: 0 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		1055+43 to 1115+00			Mobile Site 102 - SW		10,540		524,395
CHARACTER OF MATERIAL		AVG LENGTH OF CUT			AVG WIDTH OF CUT			AVG DIST TO DUMP			
		6000 FT			400 FT			26 NM			
DENSITY OF MATERIALS		DENSITY OF MATERIALS			1250			GMS/LITER		1250	
		DENSITY OF WATER			1006			GMS/LITER@		60 °F	
RIVER/TIDE STAGE		MIN 0.00		TIME 00:00		MAX 0.00		TIME 00:00		GAGE LOCATION	
		MIN 0.00		TIME 00:00		MAX 0.00		TIME 00:00		GAGE DATUM	
WEATHER CONDITION		WEATHER Weather Caused No Delay			TEMP 42 °F / 69 °F		VISIBILITY 10 MI		WIND 8 MPH		
DRAFT						DISTRIBUTION OF TIME AND MILES RUN					
LIGHT		LOADED				AGITATING (MIN)		DREDGE & HAUL (MIN)		MILES RUN (NAUT MI)	
FORWARD		8		16		EFFECTIVE WORKING TIME:					
AFT		10		15		PUMPING:		00:00		02:48 0.0	
DRAG DEPTH		MAX 0		MIN 0		TURNING:		00:00		00:00 0.0	
INDICATORS LAST CHECKED ON		08/14/2019				TO DUMP:		00:00		10:23 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		00:58 0.0	
GALLONS OF FUEL OIL CONSUMED		GAL		2,145		DISCONNECTING:		00:00		00:00 0.0	
GALLONS OF WATER CONSUMED		GAL		748		TO CUT:		00:00		09:51 0.0	
TOTALS:						00:00		24:00		0.0	
NON-EFFECTIVE WORKING TIME:											
TAKING ON FUEL AND SUPPLIES						00:00		00:00		0.0	
DREDGING AND HAULING						AGITATING					
NO.OF LOADS		TOTAL CYS		DISPOSAL AREA		TOTAL CYS		TO AND FROM WHARF OR ANCHORAGE:			
5		10,540		Mobile Site 102 - SW		0		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	
ATTENDANT PLANT						LAY TIME:					
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 147 of 377		
CONTRACT NO. W9127820F0001 W9127820F0032		CONTRACT TITLE IDIQ Hopper Dredge for Mobile Harbor				CONTRACTOR Dutra Dredging Co.				REPORT NO. 74		
CHARACTER OF REPORT		<input checked="" type="checkbox"/> MAINTENANCE <input type="checkbox"/> NEW WORK						DATE 03/02/2020				
DREDGE  Columbia Hopper Dredge		HOPPER CAP: 4387 CY			AVG VOL OF BIN WATER: 0 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		1055+43 to 1115+00			Mobile Site 102 - SW		13,175		537,570	
CHARACTER OF MATERIAL		AVG LENGTH OF CUT			AVG WIDTH OF CUT			AVG DIST TO DUMP				
		6000 FT			400 FT			26 NM				
CHARACTER OF MATERIAL		DENSITY OF MATERIALS				1250		GMS/LITER		1250		
		DENSITY OF WATER				1006		GMS/LITER@		60 °F		
RIVER/TIDE STAGE		MIN 0.00		TIME 00:00		MAX 0.00		TIME 00:00		GAGE LOCATION		
		MIN 0.00		TIME 00:00		MAX 0.00		TIME 00:00		GAGE DATUM		
WEATHER CONDITION		WEATHER Weather Caused No Delay				TEMP 65 °F / 73 °F		VISIBILITY 10 MI		WIND 15/S MPH		
DRAFT						DISTRIBUTION OF TIME AND MILES RUN						
		LIGHT		LOADED				AGITATING (MIN)		DREDGE & HAUL (MIN)		MILES RUN (NAUT MI)
FORWARD		8		16		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		08/14/2019				TO DUMP:		00:00		10:26		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		00:36		0.0
GALLONS OF FUEL OIL CONSUMED		GAL		2,919		DISCONNECTING:		00:00		00:00		0.0
GALLONS OF WATER CONSUMED		GAL		748		TO CUT:		00:00		10:42		0.0
						TOTALS:		00:00		24:00		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		0.0
6		13,175		Mobile Site 102 - SW		0		LOSS DUE TO TRAFFIC AND BRIDGES		00:00		0.0
								MINOR OPERATING REPAIRS		00:00		0.0
								TRANSFERRING BETWEEN WORKS		00:00		0.0
								LAY TIME:		00:00		0.0
ATTENDANT PLANT								FIRE AND BOAT DRILLS:		00:00		0.0
ITEM		NAME OR NUMBER		H.P.		HOURS		MISCELLANEOUS		00:00		0.0
Crew Boat		Cape Anne		400		24:00		TOTALS		00:00		0.0
								LOST TIME:				
								MAJOR REPAIRS AND ALTERNATIONS		00:00		0.0
								CESSATION:		00:00		0.0
								COLLISIONS:		00:00		0.0
								TOTALS:		00:00		0.0
								TOTAL TIME/MILES:		00:00		24:00

QUALITY CONTROL REPORT-HOPPER DREDGE					PAGE NO. Page 148 of 377		
CONTRACT NO. W9127820F0001 W9127820F0032		CONTRACT TITLE IDIQ Hopper Dredge for Mobile Harbor		CONTRACTOR Dutra Dredging Co.		REPORT NO. 74	
DREDGE		NAME AND TYPE Columbia Hopper Dredge				DATE 03/02/2020	
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	1055+00 to 1115+00	00:00	0	63	67		
	Mobile Site 102 - SW	00:00	0	4	2,635		
				0	0		
2	1055+00 to 1115+00	01:07	36	147	335		
	Mobile Site 102 - SW	01:43	0	20	2,635		
				132	0		
3	1055+00 to 1115+00	06:42	30	140	339		
	Mobile Site 102 - SW	07:12	0	4	2,635		
				165	0		
4	1055+00 to 1115+00	12:21	36	141	317		
	Mobile Site 102 - SW	12:57	0	4	2,635		
				136	0		
5	1055+00 to 1115+00	17:38	34	135	331		
	Mobile Site 102 - SW	18:12	0	4	2,635		
				158	0		
6	1055+00 to 1115+00	23:09	0	0	51		
	Mobile Site 102 - SW	23:09	0	0	0		
				51	0		

**QC NARRATIVE(S)**

<b>CONTRACTOR CERTIFICATION</b>		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.					
<b>QC REPRESENTATIVE'S SIGNATURE</b>			<b>DATE</b>	<b>SUPERINTENDENT'S INITIALS</b>		<b>DATE</b>	

QUALITY CONTROL REPORT-HOPPER DREDGE										PAGE NO. Page 149 of 377	
CONTRACT NO. W9127820F0001 W9127820F0032		CONTRACT TITLE IDIQ Hopper Dredge for Mobile Harbor				CONTRACTOR Dutra Dredging Co.				REPORT NO. 75	
CHARACTER OF REPORT		<input checked="" type="checkbox"/> MAINTENANCE <input type="checkbox"/> NEW WORK						DATE 03/03/2020			
DREDGE  Columbia Hopper Dredge		HOPPER CAP: 4387 CY			AVG VOL OF BIN WATER: 0 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	1055+43 to 1115+00			Mobile Site 102 - SW	10,540	548,110			
CHARACTER OF MATERIAL		AVG LENGTH OF CUT 6000 FT			AVG WIDTH OF CUT 400 FT			AVG DIST TO DUMP 26 NM			
		DENSITY OF MATERIALS				1250			GMS/LITER 1250		
RIVER/TIDE STAGE		DENSITY OF WATER				1006			GMS/LITER@ 60 °F		
		MIN 0.00	TIME 00:00	MAX 0.00	TIME 00:00	GAGE LOCATION					
WEATHER CONDITION		MIN 0.00	TIME 00:00	MAX 0.00	TIME 00:00	GAGE DATUM					
		WEATHER Weather Caused No Delay			TEMP 65 °F / 72 °F		VISIBILITY 5 MI	WIND 15/S MPH			
DRAFT					DISTRIBUTION OF TIME AND MILES RUN						
LIGHT		LOADED				AGITATING (MIN)	DREDGE & HAUL (MIN)	MILES RUN (NAUT MI)			
FORWARD		8	16			EFFECTIVE WORKING TIME:					
AFT		10	15			PUMPING:	00:00	02:02	0.0		
DRAG DEPTH		MAX 0	MIN 0			TURNING:	00:00	00:06	0.0		
INDICATORS LAST CHECKED ON 08/14/2019					TO DUMP:	00:00	09:33	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	3,025			DISCONNECTING:	00:00	00:00	0.0		
GALLONS OF WATER CONSUMED		GAL	748			TO CUT:	00:00	08:46	0.0		
					TOTALS:	00:00	20:43	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 4	TOTAL CYS 10,540	DISPOSAL AREA Mobile Site 102 - SW		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	00:57	0.0			
					TRANSFERRING BETWEEN WORKS	00:00	00:00	0.0			
					LAY TIME:	00:00	00:00	0.0			
ATTENDANT PLANT				HOURS	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	00:57	0.0			
					LOST TIME:						
					MAJOR REPAIRS AND ALTERNATIONS	00:00	00:00	0.0			
					CESSATION:	00:00	02:20	0.0			
					COLLISIONS:	00:00	00:00	0.0			
					TOTALS:	00:00	02:20	0.0			
					TOTAL TIME/MILES:	00:00	24:00	0.0			

<b>QUALITY CONTROL REPORT-HOPPER DREDGE</b>			<b>PAGE NO.</b> Page 150 of 377
<b>CONTRACT NO.</b> W9127820F0032	<b>CONTRACT TITLE</b> IDIQ Hopper Dredge for Mobile Harbor	<b>CONTRACTOR</b> Dutra Dredging Co.	<b>REPORT NO.</b> 75
<b>DREDGE</b>	<b>NAME AND TYPE</b> Columbia Hopper Dredge		<b>DATE</b> 03/03/2020

**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	1055+00 to 1115+00	00:00	37	143	294
	Mobile Site 102 - SW	00:37	0	4 110	2,635 0
2	1055+00 to 1115+00	04:54	30	147	328
	Mobile Site 102 - SW	05:24	0	4 147	2,635 0
3	1055+00 to 1115+00	10:22	35	140	321
	Mobile Site 102 - SW	10:57	0	4 142	2,635 0
4	1055+00 to 1115+00	15:43	20	143	300
	Mobile Site 102 - SW	16:09	6	4 127	2,635 0

**QC NARRATIVE(S)**

<b>CONTRACTOR CERTIFICATION</b>	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.		
<b>QC REPRESENTATIVE'S SIGNATURE</b>	<b>DATE</b>	<b>SUPERINTENDENT'S INITIALS</b>	<b>DATE</b>

QUALITY CONTROL REPORT-HOPPER DREDGE										PAGE NO. Page 151 of 377	
CONTRACT NO. W9127820F0001 W9127820F0032		CONTRACT TITLE IDIQ Hopper Dredge for Mobile Harbor				CONTRACTOR Dutra Dredging Co.				REPORT NO. 76	
CHARACTER OF REPORT		<input checked="" type="checkbox"/> MAINTENANCE <input type="checkbox"/> NEW WORK						DATE 08/08/2020			
DREDGE  Columbia Hopper Dredge		HOPPER CAP: 4387 CY			AVG VOL OF BIN WATER: 0 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		450+00 to 510+00			Mobile Site 102 - SW		2,635		550,745
CHARACTER OF MATERIAL		AVG LENGTH OF CUT			AVG WIDTH OF CUT			AVG DIST TO DUMP			
		6000 FT			400 FT			26 NM			
DENSITY OF MATERIALS		DENSITY OF MATERIALS			1250			GMS/LITER		1250	
		DENSITY OF WATER			1006			GMS/LITER@		84 °F	
RIVER/TIDE STAGE		MIN 0.00		TIME 00:00		MAX 0.00		TIME 00:00		GAGE LOCATION	
		MIN 0.00		TIME 00:00		MAX 0.00		TIME 00:00		GAGE DATUM	
WEATHER CONDITION		WEATHER Weather Caused No Delay			TEMP 82 °F / 92 °F		VISIBILITY 10 MI		WIND 10/W MPH		
DRAFT						DISTRIBUTION OF TIME AND MILES RUN					
LIGHT		LOADED				AGITATING (MIN)		DREDGE & HAUL (MIN)		MILES RUN (NAUT MI)	
FORWARD		8		16		EFFECTIVE WORKING TIME:					
AFT		10		15		PUMPING:		00:00		00:25 0.0	
DRAG DEPTH		MAX 0		MIN 0		TURNING:		00:00		00:07 0.0	
INDICATORS LAST CHECKED ON		08/14/2019				TO DUMP:		00:00		04:19 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		00:04 0.0	
GALLONS OF FUEL OIL CONSUMED		GAL		1,200		DISCONNECTING:		00:00		00:00 0.0	
GALLONS OF WATER CONSUMED		GAL		748		TO CUT:		00:00		08:55 0.0	
WORK PERFORMED						TOTALS:		00:00		13:50 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		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		10:10 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		10:10 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	





QUALITY CONTROL REPORT-HOPPER DREDGE										PAGE NO. Page 153 of 377	
CONTRACT NO. W9127820F0001 W9127820F0032		CONTRACT TITLE IDIQ Hopper Dredge for Mobile Harbor				CONTRACTOR Dutra Dredging Co.				REPORT NO. 77	
CHARACTER OF REPORT		<input checked="" type="checkbox"/> MAINTENANCE <input type="checkbox"/> NEW WORK						DATE 08/09/2020			
DREDGE  Columbia Hopper Dredge		HOPPER CAP: 4387 CY			AVG VOL OF BIN WATER: 0 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		450+00 to 510+00			Mobile Site 102 - SW		7,905		558,650
CHARACTER OF MATERIAL		AVG LENGTH OF CUT			AVG WIDTH OF CUT			AVG DIST TO DUMP			
		6000 FT			400 FT			26 NM			
DENSITY OF MATERIALS		DENSITY OF MATERIALS			1250			GMS/LITER		1250	
		DENSITY OF WATER			1006			GMS/LITER@		84 °F	
RIVER/TIDE STAGE		MIN 0.00		TIME 00:00		MAX 0.00		TIME 00:00		GAGE LOCATION	
		MIN 0.00		TIME 00:00		MAX 0.00		TIME 00:00		GAGE DATUM	
WEATHER CONDITION		WEATHER Weather Caused No Delay			TEMP 82 °F / 92 °F		VISIBILITY 10 MI		WIND 10/W MPH		
DRAFT						DISTRIBUTION OF TIME AND MILES RUN					
LIGHT		LOADED						AGITATING (MIN)	DREDGE & HAUL (MIN)		MILES RUN (NAUT MI)
FORWARD		8		16		EFFECTIVE WORKING TIME:					
AFT		10		15		PUMPING:		00:00	01:23	0.0	
DRAG DEPTH		MAX 0		MIN 0		TURNING:		00:00	00:00	0.0	
INDICATORS LAST CHECKED ON		08/14/2019				TO DUMP:		00:00	13:28	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		2,277		DISCONNECTING:		00:00	00:00	0.0	
GALLONS OF WATER CONSUMED		GAL		748		TO CUT:		00:00	08:57	0.0	
						TOTALS:		00:00	24:00	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	
4	7,905	Mobile Site 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	
						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 ALTERNATIONS		00:00	00:00	0.0	
Crew Boat		Cape Anne		400	24:00	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 155 of 377	
CONTRACT NO. W9127820F0001 W9127820F0032		CONTRACT TITLE IDIQ Hopper Dredge for Mobile Harbor				CONTRACTOR Dutra Dredging Co.				REPORT NO. 78	
CHARACTER OF REPORT		<input checked="" type="checkbox"/> MAINTENANCE <input type="checkbox"/> NEW WORK						DATE 08/10/2020			
DREDGE Columbia Hopper Dredge		HOPPER CAP: 4387 CY			AVG VOL OF BIN WATER: 0 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		450+00 to 510+00			Mobile Site 102 - SW		5,270	563,920	
CHARACTER OF MATERIAL		AVG LENGTH OF CUT			AVG WIDTH OF CUT			AVG DIST TO DUMP			
		6000 FT			400 FT			26 NM			
DENSITY OF MATERIALS		DENSITY OF MATERIALS			1250			GMS/LITER		1250	
		DENSITY OF WATER			1006			GMS/LITER@		84 °F	
RIVER/TIDE STAGE		MIN 0.00		TIME 00:00		MAX 0.00		TIME 00:00		GAGE LOCATION	
		MIN 0.00		TIME 00:00		MAX 0.00		TIME 00:00		GAGE DATUM	
WEATHER CONDITION		WEATHER Weather Caused No Delay			TEMP 83 °F / 93 °F		VISIBILITY 10 MI		WIND 10/W MPH		
DRAFT						DISTRIBUTION OF TIME AND MILES RUN					
LIGHT		LOADED				AGITATING (MIN)		DREDGE & HAUL (MIN)		MILES RUN (NAUT MI)	
FORWARD		8		16		EFFECTIVE WORKING TIME:					
AFT		10		15		PUMPING:		00:00		01:25	0.0
DRAG DEPTH		MAX 0		MIN 0		TURNING:		00:00		00:00	0.0
INDICATORS LAST CHECKED ON 08/14/2019						TO DUMP:		00:00		10:08	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		1,925		DISCONNECTING:		00:00		00:00	0.0
GALLONS OF WATER CONSUMED		GAL		748		TO CUT:		00:00		12:19	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			
3		5,270		Mobile Site 102 - SW		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	
Crew Boat		Cape Anne		400		24:00		MISCELLANEOUS		00:00	
TOTALS						TOTALS		00:00		00:00	0.0
LOST TIME:						LOST TIME:		00:00		00:00	0.0
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**

**PAGE NO.**  
Page 156 of 377

**CONTRACT NO.**  
W9127820F0001  
W9127820F0032

**CONTRACT TITLE**  
IDIQ Hopper Dredge for Mobile Harbor

**CONTRACTOR**  
Dutra Dredging Co.

**REPORT NO.**  
78

**DREDGE**

**NAME AND TYPE**  
Columbia Hopper Dredge

**DATE**  
08/10/2020

**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	450+00 to 510+00	00:00	29	260	529
	Mobile Site 102 - SW	00:29	0	4 236	2,635 0
2	450+00 to 510+00	08:49	28	275	572
	Mobile Site 102 - SW	09:17	0	4 265	2,635 0
3	450+00 to 510+00	18:21	28	73	339
	Mobile Site 102 - SW	18:49	0	0 238	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 157 of 377	
CONTRACT NO. W9127820F0001 W9127820F0032		CONTRACT TITLE IDIQ Hopper Dredge for Mobile Harbor				CONTRACTOR Dutra Dredging Co.				REPORT NO. 79	
CHARACTER OF REPORT		<input checked="" type="checkbox"/> MAINTENANCE <input type="checkbox"/> NEW WORK						DATE 08/11/2020			
DREDGE Columbia Hopper Dredge		HOPPER CAP: 4387 CY			AVG VOL OF BIN WATER: 0 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		450+00 to 510+00			Mobile Site 102 - SW		7,905		571,825
CHARACTER OF MATERIAL		AVG LENGTH OF CUT			AVG WIDTH OF CUT			AVG DIST TO DUMP			
		6000 FT			400 FT			26 NM			
DENSITY OF MATERIALS		DENSITY OF MATERIALS			1250			GMS/LITER		1250	
		DENSITY OF WATER			1006			GMS/LITER@		84 °F	
RIVER/TIDE STAGE		MIN 0.00		TIME 00:00		MAX 0.00		TIME 00:00		GAGE LOCATION	
		MIN 0.00		TIME 00:00		MAX 0.00		TIME 00:00		GAGE DATUM	
WEATHER CONDITION		WEATHER Weather Caused No Delay			TEMP 72 °F / 94 °F		VISIBILITY 10 MI		WIND 6 E MPH		
DRAFT						DISTRIBUTION OF TIME AND MILES RUN					
LIGHT		LOADED				AGITATING (MIN)		DREDGE & HAUL (MIN)		MILES RUN (NAUT MI)	
FORWARD		8		16		EFFECTIVE WORKING TIME:					
AFT		10		15		PUMPING:		00:00		00:55 0.0	
DRAG DEPTH		MAX 0		MIN 0		TURNING:		00:00		00:00 0.0	
INDICATORS LAST CHECKED ON 08/14/2019						TO DUMP:		00:00		11:34 0.0	
AVERAGE SPEED OF DREDGE DURING LOADING						FT/MIN		0		CONNECTING:	
AVERAGE SPEED OF DREDGE DURING AGITATING						FT/MIN		0		00:00 0.0	
GALLONS OF FUEL OIL CONSUMED						GAL		1,545		DUMPING:	
GALLONS OF WATER CONSUMED						GAL		374		00:00 0.0	
WORK PERFORMED						DISCONNECTING:		00:00		09:54 0.0	
DREDGING AND HAULING						AGITATING		TOTALS:		00:00 22:35 0.0	
NO.OF LOADS		TOTAL CYS		DISPOSAL AREA		TOTAL CYS		NON-EFFECTIVE WORKING TIME:			
4		7,905		Mobile Site 102 - SW		0		TAKING ON FUEL AND SUPPLIES			
ATTENDANT PLANT						TO AND FROM WHARF OR ANCHORAGE:		00:00		00:00 0.0	
ITEM		NAME OR NUMBER		H.P.		HOURS		LOSS DUE TO NATURAL ELEMENTS:			
Crew Boat		Cape Anne		400		24:00		00:00 0.0			
TOTALS						00:00		01:25		0.0	
LOST TIME:						FIRE AND BOAT DRILLS:		00:00		00:00 0.0	
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**

<b>CONTRACT NO.</b> W9127820F0001 W9127820F0032	<b>CONTRACT TITLE</b> IDIQ Hopper Dredge for Mobile Harbor	<b>CONTRACTOR</b> Dutra Dredging Co.	<b>REPORT NO.</b>  79
<b>DREDGE</b>	<b>NAME AND TYPE</b> Columbia Hopper Dredge		<b>DATE</b> 08/11/2020

**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	450+00 to 510+00	00:00	0	203	207
	Mobile Site 102 - SW	00:00	0	4	2,635
				0	0
2	450+00 to 510+00	04:52	27	269	543
	Mobile Site 102 - SW	05:19	0	4	2,635
				243	0
3	450+00 to 510+00	13:55	28	222	496
	Mobile Site 102 - SW	14:23	0	4	2,635
				242	0
4	450+00 to 510+00	22:11	0	0	109
	Mobile Site 102 - SW	22:11	0	0	0
				109	0

**QC NARRATIVE(S)**

**GENERAL COMMENTS**

0323-0448 (85 MIN) DREDGE PACK - issue resolved.

<b>CONTRACTOR CERTIFICATION</b>	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.		
<b>QC REPRESENTATIVE'S SIGNATURE</b>	<b>DATE</b>	<b>SUPERINTENDENT'S INITIALS</b>	<b>DATE</b>

QUALITY CONTROL REPORT-HOPPER DREDGE										PAGE NO. Page 159 of 377	
CONTRACT NO. W9127820F0001 W9127820F0032		CONTRACT TITLE IDIQ Hopper Dredge for Mobile Harbor				CONTRACTOR Dutra Dredging Co.				REPORT NO. 80	
CHARACTER OF REPORT		<input checked="" type="checkbox"/> MAINTENANCE <input type="checkbox"/> NEW WORK						DATE 08/12/2020			
DREDGE Columbia Hopper Dredge		HOPPER CAP: 4387 CY			AVG VOL OF BIN WATER: 0 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		450+00 to 510+00			Mobile Site 102 - SW		7,905	579,730	
CHARACTER OF MATERIAL		AVG LENGTH OF CUT			AVG WIDTH OF CUT			AVG DIST TO DUMP			
		6000 FT			400 FT			26 NM			
DENSITY OF MATERIALS		DENSITY OF MATERIALS			1250			GMS/LITER		1250	
		DENSITY OF WATER			1006			GMS/LITER@		84 °F	
RIVER/TIDE STAGE		MIN 0.00		TIME 00:00		MAX 0.00		TIME 00:00		GAGE LOCATION	
		MIN 0.00		TIME 00:00		MAX 0.00		TIME 00:00		GAGE DATUM	
WEATHER CONDITION		WEATHER Weather Caused No Delay			TEMP 75 °F / 91 °F		VISIBILITY 10 MI		WIND 10 E MPH		
DRAFT						DISTRIBUTION OF TIME AND MILES RUN					
LIGHT		LOADED						AGITATING (MIN)	DREDGE & HAUL (MIN)	MILES RUN (NAUT MI)	
FORWARD		8		16		EFFECTIVE WORKING TIME:					
AFT		10		15		PUMPING:	00:00	01:45	0.0		
DRAG DEPTH		MAX 0		MIN 0		TURNING:	00:00	00:00	0.0		
INDICATORS LAST CHECKED ON		08/14/2019				TO DUMP:	00:00	11:46	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		2,650		DISCONNECTING:	00:00	00:00	0.0		
GALLONS OF WATER CONSUMED		GAL		935		TO CUT:	00:00	10:17	0.0		
						TOTALS:	00:00	24:00	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		
4	7,905	Mobile Site 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		
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**

<b>CONTRACT NO.</b> W9127820F0001 W9127820F0032	<b>CONTRACT TITLE</b> IDIQ Hopper Dredge for Mobile Harbor	<b>CONTRACTOR</b> Dutra Dredging Co.	<b>REPORT NO.</b> 80
<b>DREDGE</b>	<b>NAME AND TYPE</b> Columbia Hopper Dredge		<b>DATE</b> 08/12/2020

**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	450+00 to 510+00 Mobile Site 102 - SW	00:00 00:27	27 0	247 4 103	381 2,635 0
2	450+00 to 510+00 Mobile Site 102 - SW	06:21 07:00	39 0	224 4 219	486 2,635 0
3	450+00 to 510+00 Mobile Site 102 - SW	14:27 15:06	39 0	235 4 231	509 2,635 0
4	450+00 to 510+00 Mobile Site 102 - SW	22:56 22:56	0 0	0 0 64	64 0 0

**QC NARRATIVE(S)**

<b>CONTRACTOR CERTIFICATION</b>	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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<b>QC REPRESENTATIVE'S SIGNATURE</b>	<b>DATE</b>	<b>SUPERINTENDENT'S INITIALS</b>	<b>DATE</b>
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QUALITY CONTROL REPORT-HOPPER DREDGE										PAGE NO. Page 161 of 377			
CONTRACT NO. W9127820F0001 W9127820F0032		CONTRACT TITLE IDIQ Hopper Dredge for Mobile Harbor				CONTRACTOR Dutra Dredging Co.				REPORT NO. 81			
CHARACTER OF REPORT		<input checked="" type="checkbox"/> MAINTENANCE <input type="checkbox"/> NEW WORK						DATE 08/13/2020					
DREDGE Columbia Hopper Dredge		HOPPER CAP: 4387 CY			AVG VOL OF BIN WATER: 0 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		450+00 to 510+00			Mobile Site 102 - SW		7,905		587,635		
CHARACTER OF MATERIAL		AVG LENGTH OF CUT			AVG WIDTH OF CUT			AVG DIST TO DUMP					
		6000 FT			400 FT			26 NM					
CHARACTER OF MATERIAL		DENSITY OF MATERIALS				1250		GMS/LITER		1250			
		DENSITY OF WATER				1006		GMS/LITER@		84 °F			
RIVER/TIDE STAGE		MIN 0.00		TIME 00:00		MAX 0.00		TIME 00:00		GAGE LOCATION			
		MIN 0.00		TIME 00:00		MAX 0.00		TIME 00:00		GAGE DATUM			
WEATHER CONDITION		WEATHER Weather Caused No Delay				TEMP 75 °F / 90 °F		VISIBILITY 10 MI		WIND 10 W MPH			
DRAFT						DISTRIBUTION OF TIME AND MILES RUN							
		LIGHT		LOADED				AGITATING (MIN)		DREDGE & HAUL (MIN)		MILES RUN (NAUT MI)	
FORWARD		8		16		EFFECTIVE WORKING TIME:							
AFT		10		15		PUMPING:		00:00		01:27		0.0	
DRAG DEPTH		MAX 0		MIN 0		TURNING:		00:00		00:00		0.0	
INDICATORS LAST CHECKED ON		08/14/2019				TO DUMP:		00:00		11:37		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		2,524		DISCONNECTING:		00:00		00:00		0.0	
GALLONS OF WATER CONSUMED		GAL		935		TO CUT:		00:00		10:44		0.0	
						TOTALS:		00:00		24:00		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		0.0	
4		7,905		Mobile Site 102 - SW		0		LOSS DUE TO TRAFFIC AND BRIDGES		00:00		0.0	
								MINOR OPERATING REPAIRS		00:00		0.0	
								TRANSFERRING BETWEEN WORKS		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		0.0	
Crew Boat		Cape Anne		400		24:00		MISCELLANEOUS		00:00		0.0	
								TOTALS		00:00		0.0	
LOST TIME:													
								MAJOR REPAIRS AND ALTERNATIONS		00:00		0.0	
								CESSATION:		00:00		0.0	
								COLLISIONS:		00:00		0.0	
								TOTALS:		00:00		0.0	
								TOTAL TIME/MILES:		00:00		24:00	0.0



QUALITY CONTROL REPORT-HOPPER DREDGE										PAGE NO. Page 163 of 377			
CONTRACT NO. W9127820F0001 W9127820F0032		CONTRACT TITLE IDIQ Hopper Dredge for Mobile Harbor				CONTRACTOR Dutra Dredging Co.				REPORT NO. 82			
CHARACTER OF REPORT		<input checked="" type="checkbox"/> MAINTENANCE <input type="checkbox"/> NEW WORK						DATE 08/14/2020					
DREDGE  Columbia Hopper Dredge		HOPPER CAP: 4387 CY			AVG VOL OF BIN WATER: 0 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		450+00 to 510+00			Mobile Site 102 - SW		7,905		595,540		
CHARACTER OF MATERIAL		AVG LENGTH OF CUT			AVG WIDTH OF CUT			AVG DIST TO DUMP					
		6000 FT			400 FT			26 NM					
CHARACTER OF MATERIAL		DENSITY OF MATERIALS				1250		GMS/LITER		1250			
		DENSITY OF WATER				1006		GMS/LITER@		84 °F			
RIVER/TIDE STAGE		MIN 0.00		TIME 00:00		MAX 0.00		TIME 00:00		GAGE LOCATION			
		MIN 0.00		TIME 00:00		MAX 0.00		TIME 00:00		GAGE DATUM			
WEATHER CONDITION		WEATHER Weather Caused No Delay				TEMP 73 °F / 92 °F		VISIBILITY 10 MI		WIND 5-20 SW MPH			
DRAFT						DISTRIBUTION OF TIME AND MILES RUN							
		LIGHT		LOADED				AGITATING (MIN)		DREDGE & HAUL (MIN)		MILES RUN (NAUT MI)	
FORWARD		8		16		EFFECTIVE WORKING TIME:							
AFT		10		15		PUMPING:		00:00		01:19		0.0	
DRAG DEPTH		MAX 0		MIN 0		TURNING:		00:00		00:00		0.0	
INDICATORS LAST CHECKED ON		08/14/2019				TO DUMP:		00:00		11:29		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		2,602		DISCONNECTING:		00:00		00:00		0.0	
GALLONS OF WATER CONSUMED		GAL		935		TO CUT:		00:00		11:00		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		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**

<b>CONTRACT NO.</b> W9127820F0001 W9127820F0032	<b>CONTRACT TITLE</b> IDIQ Hopper Dredge for Mobile Harbor	<b>CONTRACTOR</b> Dutra Dredging Co.	<b>REPORT NO.</b> 82
<b>DREDGE</b>	<b>NAME AND TYPE</b> Columbia Hopper Dredge	<b>DATE</b> 08/14/2020	

**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	450+00 to 510+00 Mobile Site 102 - SW	00:00 00:28	28 0	240 4 139	411 2,635 0
2	450+00 to 510+00 Mobile Site 102 - SW	06:51 07:15	24 0	218 4 207	453 2,635 0
3	450+00 to 510+00 Mobile Site 102 - SW	14:24 14:51	27 0	231 4 234	496 2,635 0
4	450+00 to 510+00 Mobile Site 102 - SW	22:40 22:40	0 0	0 0 80	80 0 0

**QC NARRATIVE(S)**

<b>CONTRACTOR CERTIFICATION</b>	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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<b>QC REPRESENTATIVE'S SIGNATURE</b>	<b>DATE</b>	<b>SUPERINTENDENT'S INITIALS</b>	<b>DATE</b>
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QUALITY CONTROL REPORT-HOPPER DREDGE										PAGE NO. Page 165 of 377	
CONTRACT NO. W9127820F0001 W9127820F0032		CONTRACT TITLE IDIQ Hopper Dredge for Mobile Harbor				CONTRACTOR Dutra Dredging Co.				REPORT NO. 83	
CHARACTER OF REPORT		<input checked="" type="checkbox"/> MAINTENANCE <input type="checkbox"/> NEW WORK						DATE 08/15/2020			
DREDGE Columbia Hopper Dredge		HOPPER CAP: 4387 CY			AVG VOL OF BIN WATER: 0 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		450+00 to 510+00			Mobile Site 102 - SW		2,635	598,175	
CHARACTER OF MATERIAL		AVG LENGTH OF CUT			AVG WIDTH OF CUT			AVG DIST TO DUMP			
		6000 FT			400 FT			26 NM			
CHARACTER OF MATERIAL		DENSITY OF MATERIALS				1250		GMS/LITER		1250	
		DENSITY OF WATER				1006		GMS/LITER@		84 °F	
RIVER/TIDE STAGE		MIN 0.00		TIME 00:00		MAX 0.00		TIME 00:00		GAGE LOCATION	
		MIN 0.00		TIME 00:00		MAX 0.00		TIME 00:00		GAGE DATUM	
WEATHER CONDITION		WEATHER Weather Caused No Delay				TEMP 70 °F / 90 °F		VISIBILITY 10 MI		WIND 5-20 W MPH	
DRAFT						DISTRIBUTION OF TIME AND MILES RUN					
		LIGHT		LOADED				AGITATING (MIN)	DREDGE & HAUL (MIN)	MILES RUN (NAUT MI)	
FORWARD		8		16		EFFECTIVE WORKING TIME:					
AFT		10		15		PUMPING:	00:00	00:28	0.0		
DRAG DEPTH		MAX 0		MIN 0		TURNING:	00:00	00:00	0.0		
INDICATORS LAST CHECKED ON		08/14/2019				TO DUMP:	00:00	04:10	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		2,602		DISCONNECTING:	00:00	00:00	0.0		
GALLONS OF WATER CONSUMED		GAL		935		TO CUT:	00:00	02:47	0.0		
						TOTALS:	00:00	07:29	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
2		2,635		Mobile Site 102 - SW		0		LOSS DUE TO TRAFFIC AND BRIDGES	00:00	00:00	0.0
						MINOR OPERATING REPAIRS	00:00	16:31	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	16:31	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.**  
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<b>CONTRACT NO.</b> W9127820F0032	<b>CONTRACT TITLE</b> IDIQ Hopper Dredge for Mobile Harbor	<b>CONTRACTOR</b> Dutra Dredging Co.	<b>REPORT NO.</b> 83
<b>DREDGE</b>	<b>NAME AND TYPE</b> Columbia Hopper Dredge		<b>DATE</b> 08/15/2020

**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	450+00 to 510+00	00:00	28	250	396
	Mobile Site 102 - SW	00:28	0	4 114	2,635 0
2	450+00 to 510+00	06:36	0	0	53
	Mobile Site 102 - SW	06:36	0	0 53	0 0

**QC NARRATIVE(S)**

**GENERAL COMMENTS**

0636-2307 (991MIN) MAKING REPAIRS TO PORT MAIN ENGINE-POWER PACK (ON ANCHOR AT DUMP)

<b>CONTRACTOR CERTIFICATION</b>	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.		
<b>QC REPRESENTATIVE'S SIGNATURE</b>	<b>DATE</b>	<b>SUPERINTENDENT'S INITIALS</b>	<b>DATE</b>

QUALITY CONTROL REPORT-HOPPER DREDGE										PAGE NO. Page 167 of 377			
CONTRACT NO. W9127820F0001 W9127820F0032		CONTRACT TITLE IDIQ Hopper Dredge for Mobile Harbor				CONTRACTOR Dutra Dredging Co.				REPORT NO. 84			
CHARACTER OF REPORT		<input checked="" type="checkbox"/> MAINTENANCE <input type="checkbox"/> NEW WORK						DATE 08/16/2020					
DREDGE  Columbia Hopper Dredge		HOPPER CAP: 4387 CY			AVG VOL OF BIN WATER: 0 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		450+00 to 510+00			Mobile Site 102 - SW		7,905		606,080		
CHARACTER OF MATERIAL		AVG LENGTH OF CUT			AVG WIDTH OF CUT			AVG DIST TO DUMP					
		6000 FT			400 FT			26 NM					
CHARACTER OF MATERIAL		DENSITY OF MATERIALS				1250		GMS/LITER		1250			
		DENSITY OF WATER				1006		GMS/LITER@		84 °F			
RIVER/TIDE STAGE		MIN 0.00		TIME 00:00		MAX 0.00		TIME 00:00		GAGE LOCATION			
		MIN 0.00		TIME 00:00		MAX 0.00		TIME 00:00		GAGE DATUM			
WEATHER CONDITION		WEATHER Weather Caused No Delay				TEMP 75 °F / 94 °F		VISIBILITY 10 MI		WIND 10-18 W MPH			
DRAFT						DISTRIBUTION OF TIME AND MILES RUN							
		LIGHT		LOADED				AGITATING (MIN)		DREDGE & HAUL (MIN)		MILES RUN (NAUT MI)	
FORWARD		8		16		EFFECTIVE WORKING TIME:							
AFT		10		15		PUMPING:		00:00		01:17		0.0	
DRAG DEPTH		MAX 0		MIN 0		TURNING:		00:00		00:00		0.0	
INDICATORS LAST CHECKED ON		08/14/2019				TO DUMP:		00:00		11:17		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		2,768		DISCONNECTING:		00:00		00:00		0.0	
GALLONS OF WATER CONSUMED		GAL		748		TO CUT:		00:00		11:14		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		7,905		Mobile Site 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
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 169 of 377	
CONTRACT NO. W9127820F0001 W9127820F0032		CONTRACT TITLE IDIQ Hopper Dredge for Mobile Harbor				CONTRACTOR Dutra Dredging Co.				REPORT NO. 85	
CHARACTER OF REPORT		<input checked="" type="checkbox"/> MAINTENANCE <input type="checkbox"/> NEW WORK						DATE 08/17/2020			
DREDGE Columbia Hopper Dredge		HOPPER CAP: 4387 CY			AVG VOL OF BIN WATER: 0 CY			AVG UNFILLED CAP: 0 CY			
		NO. OF CREW MEMBERS	DREDGE 13		OTHER PLANT 4	WORK SCHEDULE		SHIFTS PER DAY 2	DAYS PER WEEK 7		
LOCATION OF WORK		LOCATION CHANNEL Mobile Bay			REACH DREDGED; STA TO STA 450+00 to 510+00			DISPOSAL AREA USE Mobile Site 102 - SW	QTY DEPOSITED GROSS(CY) 7,905	CUMULATIVE AND QTY DEPOSIT FOR DA(CY) 613,985	
		AVG LENGTH OF CUT 6000 FT			AVG WIDTH OF CUT 400 FT			AVG DIST TO DUMP 26 NM			
CHARACTER OF MATERIAL		DENSITY OF MATERIALS				1250		GMS/LITER		1250	
		DENSITY OF WATER				1006		GMS/LITER@		84 °F	
RIVER/TIDE STAGE		MIN	0.00	TIME	00:00	MAX	0.00	TIME	00:00	GAGE LOCATION	
		MIN	0.00	TIME	00:00	MAX	0.00	TIME	00:00	GAGE DATUM	
WEATHER CONDITION		WEATHER Weather Caused No Delay				TEMP 71 °F / 91 °F		VISIBILITY 10 MI		WIND 5-15 E MPH	
DRAFT						DISTRIBUTION OF TIME AND MILES RUN					
		LIGHT		LOADED				AGITATING (MIN)	DREDGE & HAUL (MIN)	MILES RUN (NAUT MI)	
FORWARD		8		16		EFFECTIVE WORKING TIME:					
AFT		10		15		PUMPING:	00:00	01:16	0.0		
DRAG DEPTH		MAX 0		MIN 0		TURNING:	00:00	00:00	0.0		
INDICATORS LAST CHECKED ON		08/14/2019									
AVERAGE SPEED OF DREDGE DURING LOADING		FT/MIN		0		TO DUMP:	00:00	11:07	0.0		
AVERAGE SPEED OF DREDGE DURING AGITATING		FT/MIN		0		CONNECTING:	00:00	00:00	0.0		
GALLONS OF FUEL OIL CONSUMED		GAL		2,388		DUMPING:	00:00	00:12	0.0		
GALLONS OF WATER CONSUMED		GAL		561		DISCONNECTING:	00:00	00:00	0.0		
						TO CUT:	00:00	11:25	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		
NO.OF LOADS 4		TOTAL CYS 7,905	DISPOSAL AREA Mobile Site 102 - SW			TOTAL CYS 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 171 of 377	
CONTRACT NO. W9127820F0001 W9127820F0032		CONTRACT TITLE IDIQ Hopper Dredge for Mobile Harbor				CONTRACTOR Dutra Dredging Co.				REPORT NO. 86	
CHARACTER OF REPORT		<input checked="" type="checkbox"/> MAINTENANCE <input type="checkbox"/> NEW WORK						DATE 08/18/2020			
DREDGE Columbia Hopper Dredge		HOPPER CAP: 4387 CY			AVG VOL OF BIN WATER: 0 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		450+00 to 510+00			Mobile Site 102 - SW		7,905	621,890	
CHARACTER OF MATERIAL		AVG LENGTH OF CUT			AVG WIDTH OF CUT			AVG DIST TO DUMP			
		6000 FT			400 FT			26 NM			
DENSITY OF MATERIALS		DENSITY OF MATERIALS			1250			GMS/LITER		1250	
		DENSITY OF WATER			1006			GMS/LITER@		84 °F	
RIVER/TIDE STAGE		MIN 0.00		TIME 00:00		MAX 0.00		TIME 00:00		GAGE LOCATION	
		MIN 0.00		TIME 00:00		MAX 0.00		TIME 00:00		GAGE DATUM	
WEATHER CONDITION		WEATHER Weather Caused No Delay			TEMP 71 °F / 84 °F		VISIBILITY 10 MI		WIND 5-15 Var MPH		
DRAFT					DISTRIBUTION OF TIME AND MILES RUN						
LIGHT		LOADED					AGITATING (MIN)	DREDGE & HAUL (MIN)	MILES RUN (NAUT MI)		
FORWARD		8			16			EFFECTIVE WORKING TIME:			
AFT		10			15			PUMPING:	00:00	01:15	0.0
DRAG DEPTH		MAX 0			MIN 0			TURNING:	00:00	00:00	0.0
INDICATORS LAST CHECKED ON		08/14/2019						TO DUMP:	00:00	11:37	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			2,562			DISCONNECTING:	00:00	00:00	0.0
GALLONS OF WATER CONSUMED		GAL			748			TO CUT:	00:00	10:56	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	
4	7,905	Mobile Site 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	
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 173 of 377	
CONTRACT NO. W9127820F0001 W9127820F0032		CONTRACT TITLE IDIQ Hopper Dredge for Mobile Harbor				CONTRACTOR Dutra Dredging Co.				REPORT NO. 87	
CHARACTER OF REPORT		<input checked="" type="checkbox"/> MAINTENANCE <input type="checkbox"/> NEW WORK						DATE 08/19/2020			
DREDGE  Columbia Hopper Dredge		HOPPER CAP: 4387 CY			AVG VOL OF BIN WATER: 0 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		450+00 to 510+00			Mobile Site 102 - SW		7,905		629,795
CHARACTER OF MATERIAL		AVG LENGTH OF CUT			AVG WIDTH OF CUT			AVG DIST TO DUMP			
		6000 FT			400 FT			26 NM			
DENSITY OF MATERIALS		DENSITY OF MATERIALS			1250			GMS/LITER		1250	
		DENSITY OF WATER			1006			GMS/LITER@		84 °F	
RIVER/TIDE STAGE		MIN 0.00		TIME 00:00		MAX 0.00		TIME 00:00		GAGE LOCATION	
		MIN 0.00		TIME 00:00		MAX 0.00		TIME 00:00		GAGE DATUM	
WEATHER CONDITION		WEATHER Weather Caused No Delay			TEMP 75 °F / 95 °F		VISIBILITY 10 MI		WIND 10-15 WSW 5-10 SSE MPH		
DRAFT						DISTRIBUTION OF TIME AND MILES RUN					
LIGHT		LOADED				AGITATING (MIN)		DREDGE & HAUL (MIN)		MILES RUN (NAUT MI)	
FORWARD		8		16		EFFECTIVE WORKING TIME:					
AFT		10		15		PUMPING:		00:00		01:17 0.0	
DRAG DEPTH		MAX 0		MIN 0		TURNING:		00:00		00:00 0.0	
INDICATORS LAST CHECKED ON		08/14/2019				TO DUMP:		00:00		11:38 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		2,662		DISCONNECTING:		00:00		00:00 0.0	
GALLONS OF WATER CONSUMED		GAL		561		TO CUT:		00:00		10:53 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			
4		7,905		Mobile Site 102 - SW		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 00:00 0.0	
TOTALS						TOTALS		00:00		00:00 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										PAGE NO. Page 175 of 377			
CONTRACT NO. W9127820F0001 W9127820F0032		CONTRACT TITLE IDIQ Hopper Dredge for Mobile Harbor				CONTRACTOR Dutra Dredging Co.				REPORT NO. 88			
CHARACTER OF REPORT		<input checked="" type="checkbox"/> MAINTENANCE <input type="checkbox"/> NEW WORK						DATE 08/20/2020					
DREDGE Columbia Hopper Dredge		HOPPER CAP: 4387 CY			AVG VOL OF BIN WATER: 0 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		450+00 to 510+00			Mobile Site 102 - SW		7,905		637,700		
CHARACTER OF MATERIAL		DENSITY OF MATERIALS			1250			GMS/LITER		1250			
		DENSITY OF WATER			1006			GMS/LITER@		84 °F			
RIVER/TIDE STAGE		MIN 0.00		TIME 00:00		MAX 0.00		TIME 00:00		GAGE LOCATION			
		MIN 0.00		TIME 00:00		MAX 0.00		TIME 00:00		GAGE DATUM			
WEATHER CONDITION		WEATHER Weather Caused No Delay				TEMP 74 °F / 88 °F		VISIBILITY 10 MI		WIND 5-12 E MPH			
DRAFT						DISTRIBUTION OF TIME AND MILES RUN							
LIGHT		LOADED						AGITATING (MIN)		DREDGE & HAUL (MIN)		MILES RUN (NAUT MI)	
FORWARD		8		16		EFFECTIVE WORKING TIME:							
AFT		10		15		PUMPING:		00:00		01:40		0.0	
DRAG DEPTH		MAX 0		MIN 0		TURNING:		00:00		00:00		0.0	
INDICATORS LAST CHECKED ON		08/14/2019				TO DUMP:		00:00		11:17		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		2,864		DISCONNECTING:		00:00		00:00		0.0	
GALLONS OF WATER CONSUMED		GAL		748		TO CUT:		00:00		10:51		0.0	
						TOTALS:		00:00		24:00		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
4		7,905		Mobile Site 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
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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<b>CONTRACT NO.</b> W9127820F0001 W9127820F0032	<b>CONTRACT TITLE</b> IDIQ Hopper Dredge for Mobile Harbor	<b>CONTRACTOR</b> Dutra Dredging Co.	<b>REPORT NO.</b> 88
<b>DREDGE</b>	<b>NAME AND TYPE</b> Columbia Hopper Dredge		<b>DATE</b> 08/20/2020

**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	450+00 to 510+00	00:00	25	237	316
	Mobile Site 102 - SW	00:25	0	4	2,635
				50	0
2	450+00 to 510+00	05:16	31	241	477
	Mobile Site 102 - SW	05:47	0	4	2,635
				201	0
3	450+00 to 510+00	13:13	27	199	424
	Mobile Site 102 - SW	13:40	0	4	2,635
				194	0
4	450+00 to 510+00	20:17	17	0	223
	Mobile Site 102 - SW	20:34	0	0	0
				206	0

**QC NARRATIVE(S)**

<b>CONTRACTOR CERTIFICATION</b>	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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<b>QC REPRESENTATIVE'S SIGNATURE</b>	<b>DATE</b>	<b>SUPERINTENDENT'S INITIALS</b>	<b>DATE</b>
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QUALITY CONTROL REPORT-HOPPER DREDGE										PAGE NO. Page 177 of 377			
CONTRACT NO. W9127820F0001 W9127820F0032		CONTRACT TITLE IDIQ Hopper Dredge for Mobile Harbor				CONTRACTOR Dutra Dredging Co.				REPORT NO. 89			
CHARACTER OF REPORT		<input checked="" type="checkbox"/> MAINTENANCE <input type="checkbox"/> NEW WORK						DATE 08/21/2020					
DREDGE  Columbia Hopper Dredge		HOPPER CAP: 4387 CY			AVG VOL OF BIN WATER: 0 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		450+00 to 510+00			Mobile Site 102 - SW		7,905		645,605		
CHARACTER OF MATERIAL		AVG LENGTH OF CUT			AVG WIDTH OF CUT			AVG DIST TO DUMP					
		6000 FT			400 FT			26 NM					
CHARACTER OF MATERIAL		DENSITY OF MATERIALS				1250		GMS/LITER		1250			
		DENSITY OF WATER				1006		GMS/LITER@		84 °F			
RIVER/TIDE STAGE		MIN 0.00		TIME 00:00		MAX 0.00		TIME 00:00		GAGE LOCATION			
		MIN 0.00		TIME 00:00		MAX 0.00		TIME 00:00		GAGE DATUM			
WEATHER CONDITION		WEATHER Weather Caused No Delay				TEMP 69 °F / 89 °F		VISIBILITY 10 MI		WIND 10-20 S MPH			
DRAFT						DISTRIBUTION OF TIME AND MILES RUN							
		LIGHT		LOADED				AGITATING (MIN)		DREDGE & HAUL (MIN)		MILES RUN (NAUT MI)	
FORWARD		8		16		EFFECTIVE WORKING TIME:							
AFT		10		15		PUMPING:		00:00		01:35		0.0	
DRAG DEPTH		MAX 0		MIN 0		TURNING:		00:00		00:14		0.0	
INDICATORS LAST CHECKED ON		08/14/2019				TO DUMP:		00:00		12:27		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		2,864		DISCONNECTING:		00:00		00:00		0.0	
GALLONS OF WATER CONSUMED		GAL		748		TO CUT:		00:00		09:32		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		7,905		Mobile Site 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
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 179 of 377	
CONTRACT NO. W9127820F0001 W9127820F0032		CONTRACT TITLE IDIQ Hopper Dredge for Mobile Harbor				CONTRACTOR Dutra Dredging Co.				REPORT NO. 90	
CHARACTER OF REPORT		<input checked="" type="checkbox"/> MAINTENANCE <input type="checkbox"/> NEW WORK						DATE 08/22/2020			
DREDGE  Columbia Hopper Dredge		HOPPER CAP: 4387 CY			AVG VOL OF BIN WATER: 0 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		450+00 to 510+00			Mobile Site 102 - SW		7,905	653,510	
CHARACTER OF MATERIAL		AVG LENGTH OF CUT			AVG WIDTH OF CUT			AVG DIST TO DUMP		26 NM	
		6000 FT			400 FT						
DENSITY OF MATERIALS		DENSITY OF MATERIALS			1250			GMS/LITER		1250	
		DENSITY OF WATER			1006			GMS/LITER@		84 °F	
RIVER/TIDE STAGE		MIN	0.00	TIME	00:00	MAX	0.00	TIME	00:00	GAGE LOCATION	
		MIN	0.00	TIME	00:00	MAX	0.00	TIME	00:00	GAGE DATUM	
WEATHER CONDITION		WEATHER Weather Caused No Delay				TEMP 73 °F / 91 °F		VISIBILITY 10 MI		WIND 10-20 SE MPH	
DRAFT					DISTRIBUTION OF TIME AND MILES RUN						
LIGHT		LOADED					AGITATING (MIN)	DREDGE & HAUL (MIN)	MILES RUN (NAUT MI)		
FORWARD		8	16			EFFECTIVE WORKING TIME:					
AFT		10	15			PUMPING:	00:00	01:15	0.0		
DRAG DEPTH		MAX 0	MIN 0			TURNING:	00:00	00:00	0.0		
INDICATORS LAST CHECKED ON		08/14/2019			TO DUMP:	00:00	12:29	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	3,491			DISCONNECTING:	00:00	00:00	0.0		
GALLONS OF WATER CONSUMED		GAL	748			TO CUT:	00:00	09:44	0.0		
					TOTALS:	00:00	23:40	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			
4	7,905	Mobile Site 102 - SW		0	LOSS DUE TO TRAFFIC AND BRIDGES	00:00	00:20	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	00:20	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			

<b>QUALITY CONTROL REPORT-HOPPER DREDGE</b>			<b>PAGE NO.</b> Page 180 of 377
<b>CONTRACT NO.</b> W9127820F0032	<b>CONTRACT TITLE</b> IDIQ Hopper Dredge for Mobile Harbor	<b>CONTRACTOR</b> Dutra Dredging Co.	<b>REPORT NO.</b> 90
<b>DREDGE</b>	<b>NAME AND TYPE</b> Columbia Hopper Dredge	<b>DATE</b> 08/22/2020	

<b>LOADS</b>					
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	450+00 to 510+00	00:00	0	105	109
	Mobile Site 102 - SW	00:00	0	4	2,635
				0	0
2	450+00 to 510+00	01:49	24	217	437
	Mobile Site 102 - SW	02:13	0	4	2,635
				192	0
3	450+00 to 510+00	09:06	24	227	453
	Mobile Site 102 - SW	09:30	0	4	2,635
				198	0
4	450+00 to 510+00	16:59	27	200	421
	Mobile Site 102 - SW	17:26	0	0	0
				194	0

**QC NARRATIVE(S)**

**GENERAL COMMENTS**

1248-1308 (20MIN) TRAFFIC GULF BRIDGE P-5

<b>CONTRACTOR CERTIFICATION</b>	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.		
<b>QC REPRESENTATIVE'S SIGNATURE</b>	<b>DATE</b>	<b>SUPERINTENDENT'S INITIALS</b>	<b>DATE</b>

QUALITY CONTROL REPORT-HOPPER DREDGE										PAGE NO. Page 181 of 377	
CONTRACT NO. W9127820F0001 W9127820F0032		CONTRACT TITLE IDIQ Hopper Dredge for Mobile Harbor				CONTRACTOR Dutra Dredging Co.				REPORT NO. 91	
CHARACTER OF REPORT		<input checked="" type="checkbox"/> MAINTENANCE <input type="checkbox"/> NEW WORK						DATE 08/23/2020			
DREDGE Columbia Hopper Dredge		HOPPER CAP: 4387 CY			AVG VOL OF BIN WATER: 0 CY			AVG UNFILLED CAP: 0 CY			
		NO. OF CREW MEMBERS	DREDGE 13		OTHER PLANT 4	WORK SCHEDULE		SHIFTS PER DAY 2	DAYS PER WEEK 7		
LOCATION OF WORK		LOCATION CHANNEL Mobile Bay			REACH DREDGED; STA TO STA 450+00 to 510+00			DISPOSAL AREA USE Mobile Site 102 - SW	QTY DEPOSITED GROSS(CY) 7,905	CUMULATIVE AND QTY DEPOSIT FOR DA(CY) 661,415	
		AVG LENGTH OF CUT 6000 FT			AVG WIDTH OF CUT 400 FT			AVG DIST TO DUMP 26 NM			
CHARACTER OF MATERIAL		DENSITY OF MATERIALS				1250		GMS/LITER		1250	
		DENSITY OF WATER				1006		GMS/LITER@		84 °F	
RIVER/TIDE STAGE		MIN	0.00	TIME	00:00	MAX	0.00	TIME	00:00	GAGE LOCATION	
		MIN	0.00	TIME	00:00	MAX	0.00	TIME	00:00	GAGE DATUM	
WEATHER CONDITION		WEATHER Weather Caused Critical Delay				TEMP 79 °F / 86 °F		VISIBILITY 10 MI	WIND 5-20 E MPH		
DRAFT					DISTRIBUTION OF TIME AND MILES RUN						
	LIGHT		LOADED				AGITATING (MIN)	DREDGE & HAUL (MIN)	MILES RUN (NAUT MI)		
FORWARD	8		16			EFFECTIVE WORKING TIME:					
AFT	10		15			PUMPING:	00:00	00:46	0.0		
DRAG DEPTH	MAX 0		MIN 0			TURNING:	00:00	00:00	0.0		
INDICATORS LAST CHECKED ON	08/14/2019										
AVERAGE SPEED OF DREDGE DURING LOADING			FT/MIN	0			TO DUMP:	00:00	07:26	0.0	
AVERAGE SPEED OF DREDGE DURING AGITATING			FT/MIN	0			CONNECTING:	00:00	00:00	0.0	
GALLONS OF FUEL OIL CONSUMED			GAL	1,862			DUMPING:	00:00	00:12	0.0	
GALLONS OF WATER CONSUMED			GAL	748			DISCONNECTING:	00:00	00:00	0.0	
						TO CUT:	00:00	07:36	0.0		
						TOTALS:	00:00	16:00	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		
NO.OF LOADS 4	TOTAL CYS 7,905	DISPOSAL AREA Mobile Site 102 - SW			TOTAL CYS 0	LOSS DUE TO NATURAL ELEMENTS:	00:00	08:00	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	08:00	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		

<b>QUALITY CONTROL REPORT-HOPPER DREDGE</b>			<b>PAGE NO.</b> Page 182 of 377	
<b>CONTRACT NO.</b> W9127820F0001 W9127820F0032	<b>CONTRACT TITLE</b> IDIQ Hopper Dredge for Mobile Harbor		<b>CONTRACTOR</b> Dutra Dredging Co.	
<b>DREDGE</b>	<b>NAME AND TYPE</b> Columbia Hopper Dredge			<b>REPORT NO.</b> 91
				<b>DATE</b> 08/23/2020

<b>LOADS</b>					
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	450+00 to 510+00	00:00	0	19	23
	Mobile Site 102 - SW	00:00	0	4	2,635
				0	0
2	450+00 to 510+00	00:23	24	210	433
	Mobile Site 102 - SW	00:47	0	4	2,635
				195	0
3	450+00 to 510+00	07:36	22	217	447
	Mobile Site 102 - SW	07:58	0	4	2,635
				204	0
4	450+00 to 510+00	15:03	0	0	57
	Mobile Site 102 - SW	15:03	0	0	0
				57	0

**QC NARRATIVE(S)**

**GENERAL COMMENTS**

1600-2400 ( 480MIN ) WX HURRICANE MARCO

<b>CONTRACTOR CERTIFICATION</b>		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.			
<b>QC REPRESENTATIVE'S SIGNATURE</b>		<b>DATE</b>	<b>SUPERINTENDENT'S INITIALS</b>		<b>DATE</b>

QUALITY CONTROL REPORT-HOPPER DREDGE										PAGE NO. Page 183 of 377	
CONTRACT NO. W9127820F0001 W9127820F0032		CONTRACT TITLE IDIQ Hopper Dredge for Mobile Harbor				CONTRACTOR Dutra Dredging Co.				REPORT NO. 92	
CHARACTER OF REPORT		<input checked="" type="checkbox"/> MAINTENANCE <input type="checkbox"/> NEW WORK						DATE 08/24/2020			
DREDGE  Columbia Hopper Dredge		HOPPER CAP: 4387 CY			AVG VOL OF BIN WATER: 0 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	450+00 to 510+00			Mobile Site 102 - SW		0	661,415		
CHARACTER OF MATERIAL		AVG LENGTH OF CUT 6000 FT			AVG WIDTH OF CUT 400 FT			AVG DIST TO DUMP 26 NM			
		DENSITY OF MATERIALS				1250			GMS/LITER 1250		
RIVER/TIDE STAGE		DENSITY OF WATER				1006			GMS/LITER@ 84 °F		
		MIN 0.00	TIME 00:00	MAX 0.00	TIME 00:00	GAGE LOCATION					
WEATHER CONDITION		MIN 0.00			TIME 00:00			MAX 0.00		TIME 00:00	GAGE DATUM
		WEATHER Weather Caused Critical Delay			TEMP 79 °F / 86 °F		VISIBILITY 10 MI		WIND 25 E MPH		
DRAFT					DISTRIBUTION OF TIME AND MILES RUN						
		LIGHT		LOADED				AGITATING (MIN)	DREDGE & HAUL (MIN)	MILES RUN (NAUT MI)	
FORWARD		8		16		EFFECTIVE WORKING TIME:					
AFT		10		15		PUMPING:	00:00	00:00	0.0		
DRAG DEPTH		MAX 0		MIN 0		TURNING:	00:00	00:00	0.0		
INDICATORS LAST CHECKED ON		08/14/2019									
AVERAGE SPEED OF DREDGE DURING LOADING		FT/MIN		0		TO DUMP:	00:00	00:00	0.0		
AVERAGE SPEED OF DREDGE DURING AGITATING		FT/MIN		0		CONNECTING:	00:00	00:00	0.0		
GALLONS OF FUEL OIL CONSUMED		GAL		1,862		DUMPING:	00:00	00:00	0.0		
GALLONS OF WATER CONSUMED		GAL		748		DISCONNECTING:	00:00	00:00	0.0		
						TO CUT:	00:00	01:30	0.0		
						TOTALS:	00:00	01:30	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	01:00	0.0		
NO.OF LOADS		TOTAL CYS	DISPOSAL AREA		TOTAL CYS	LOSS DUE TO NATURAL ELEMENTS:	00:00	06:50	0.0		
1		0	Mobile Site 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		
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	14:40	0.0		
						TOTALS	00:00	22:30	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 184 of 377	
CONTRACT NO. W9127820F0001 W9127820F0032		CONTRACT TITLE IDIQ Hopper Dredge for Mobile Harbor		CONTRACTOR Dutra Dredging Co.	
DREDGE		NAME AND TYPE Columbia Hopper Dredge			REPORT NO. 92
		DATE 08/24/2020			
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	450+00 to 510+00 Mobile Site 102 - SW	06:50 06:50	0 0	0 0 90	90 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 185 of 377	
CONTRACT NO. W9127820F0001 W9127820F0032		CONTRACT TITLE IDIQ Hopper Dredge for Mobile Harbor				CONTRACTOR Dutra Dredging Co.				REPORT NO. 93	
CHARACTER OF REPORT		<input checked="" type="checkbox"/> MAINTENANCE <input type="checkbox"/> NEW WORK						DATE 08/25/2020			
DREDGE Columbia Hopper Dredge		HOPPER CAP: 4387 CY			AVG VOL OF BIN WATER: 0 CY			AVG UNFILLED CAP: 0 CY			
		NO. OF CREW MEMBERS	DREDGE 13		OTHER PLANT 4	WORK SCHEDULE		SHIFTS PER DAY 2	DAYS PER WEEK 7		
LOCATION OF WORK		LOCATION CHANNEL Mobile Bay			REACH DREDGED; STA TO STA 450+00 to 510+00			DISPOSAL AREA USE Mobile Site 102 - SW	QTY DEPOSITED GROSS(CY) 0	CUMULATIVE AND QTY DEPOSIT FOR DA(CY) 661,415	
		AVG LENGTH OF CUT 6000 FT			AVG WIDTH OF CUT 400 FT			AVG DIST TO DUMP 26 NM			
CHARACTER OF MATERIAL		DENSITY OF MATERIALS				1250		GMS/LITER		1250	
		DENSITY OF WATER				1006		GMS/LITER@		84 °F	
RIVER/TIDE STAGE		MIN 0.00	TIME 00:00		MAX 0.00	TIME 00:00		GAGE LOCATION			
		MIN 0.00	TIME 00:00		MAX 0.00	TIME 00:00		GAGE DATUM			
WEATHER CONDITION		WEATHER Weather Caused Critical Delay			TEMP 76 °F / 91 °F		VISIBILITY 10 MI		WIND 35 E MPH		
DRAFT						DISTRIBUTION OF TIME AND MILES RUN					
		LIGHT		LOADED				AGITATING (MIN)	DREDGE & HAUL (MIN)	MILES RUN (NAUT MI)	
FORWARD		8		16		EFFECTIVE WORKING TIME:					
AFT		10		15		PUMPING:	00:00	00:00	0.0		
DRAG DEPTH		MAX 0		MIN 0		TURNING:	00:00	00:00	0.0		
INDICATORS LAST CHECKED ON		08/14/2019									
AVERAGE SPEED OF DREDGE DURING LOADING		FT/MIN		0		TO DUMP:	00:00	00:00	0.0		
AVERAGE SPEED OF DREDGE DURING AGITATING		FT/MIN		0		CONNECTING:	00:00	00:00	0.0		
GALLONS OF FUEL OIL CONSUMED		GAL		500		DUMPING:	00:00	00:00	0.0		
GALLONS OF WATER CONSUMED		GAL		935		DISCONNECTING:	00:00	00:00	0.0		
						TO CUT:	00:00	00:00	0.0		
						TOTALS:	00:00	00:00	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		
NO.OF LOADS		TOTAL CYS	DISPOSAL AREA		TOTAL CYS	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		
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	24:00	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 187 of 377	
CONTRACT NO. W9127820F0001 W9127820F0032		CONTRACT TITLE IDIQ Hopper Dredge for Mobile Harbor				CONTRACTOR Dutra Dredging Co.				REPORT NO. 94	
CHARACTER OF REPORT		<input checked="" type="checkbox"/> MAINTENANCE <input type="checkbox"/> NEW WORK						DATE 08/26/2020			
DREDGE Columbia Hopper Dredge		HOPPER CAP: 4387 CY			AVG VOL OF BIN WATER: 0 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		450+00 to 510+00			Mobile Site 102 - SW		0		661,415
CHARACTER OF MATERIAL		AVG LENGTH OF CUT			AVG WIDTH OF CUT			AVG DIST TO DUMP			
		6000 FT			400 FT			26 NM			
DENSITY OF MATERIALS		DENSITY OF MATERIALS			1250			GMS/LITER		1250	
		DENSITY OF WATER			1006			GMS/LITER@		84 °F	
RIVER/TIDE STAGE		MIN 0.00		TIME 00:00		MAX 0.00		TIME 00:00		GAGE LOCATION	
		MIN 0.00		TIME 00:00		MAX 0.00		TIME 00:00		GAGE DATUM	
WEATHER CONDITION		WEATHER Weather Caused Critical Delay			TEMP 76 °F / 91 °F		VISIBILITY 10 MI		WIND 35 E MPH		
DRAFT						DISTRIBUTION OF TIME AND MILES RUN					
LIGHT		LOADED				AGITATING (MIN)		DREDGE & HAUL (MIN)		MILES RUN (NAUT MI)	
FORWARD		8		16		EFFECTIVE WORKING TIME:					
AFT		10		15		PUMPING:		00:00		00:00	
DRAG DEPTH		MAX 0		MIN 0		TURNING:		00:00		00:00	
INDICATORS LAST CHECKED ON 08/14/2019						TO DUMP:		00:00		00:00	
AVERAGE SPEED OF DREDGE DURING LOADING						FT/MIN		0		CONNECTING:	
AVERAGE SPEED OF DREDGE DURING AGITATING						FT/MIN		0		00:00	
GALLONS OF FUEL OIL CONSUMED						GAL		400		DUMPING:	
GALLONS OF WATER CONSUMED						GAL		935		00:00	
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	
TO AND FROM WHARF OR ANCHORAGE:						00:00		00:00		00:00	
LOSS DUE TO NATURAL ELEMENTS:						00:00		24:00		00:00	
LOSS DUE TO TRAFFIC AND BRIDGES						00:00		00:00		00:00	
MINOR OPERATING REPAIRS						00:00		00:00		00:00	
TRANSFERRING BETWEEN WORKS						00:00		00:00		00:00	
ATTENDANT PLANT						LAY TIME:					
ITEM		NAME OR NUMBER		H.P.		HOURS		00:00		00:00	
Crew Boat		Cape Anne		400		24:00		00:00		00:00	
FIRE AND BOAT DRILLS:						00:00		00:00		00:00	
MISCELLANEOUS						00:00		00:00		00:00	
TOTALS						00:00		24:00		00:00	
LOST TIME:						TOTAL TIME/MILES:					
MAJOR REPAIRS AND ALTERNATIONS						00:00		00:00		00:00	
CESSATION:						00:00		00:00		00:00	
COLLISIONS:						00:00		00:00		00:00	
TOTALS:						00:00		00:00		00:00	
TOTAL TIME/MILES:						00:00		24:00		00:00	



QUALITY CONTROL REPORT-HOPPER DREDGE										PAGE NO. Page 189 of 377			
CONTRACT NO. W9127820F0001 W9127820F0032		CONTRACT TITLE IDIQ Hopper Dredge for Mobile Harbor				CONTRACTOR Dutra Dredging Co.				REPORT NO. 95			
CHARACTER OF REPORT		<input checked="" type="checkbox"/> MAINTENANCE <input type="checkbox"/> NEW WORK						DATE 08/27/2020					
DREDGE  Columbia Hopper Dredge		HOPPER CAP: 4387 CY			AVG VOL OF BIN WATER: 0 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		450+00 to 510+00			Mobile Site 102 - SW		0		661,415		
CHARACTER OF MATERIAL		AVG LENGTH OF CUT			AVG WIDTH OF CUT			AVG DIST TO DUMP					
		6000 FT			400 FT			26 NM					
DENSITY OF MATERIALS		DENSITY OF MATERIALS			1250			GMS/LITER		1250			
		DENSITY OF WATER			1006			GMS/LITER@		84 °F			
RIVER/TIDE STAGE		MIN 0.00		TIME 00:00		MAX 0.00		TIME 00:00		GAGE LOCATION			
		MIN 0.00		TIME 00:00		MAX 0.00		TIME 00:00		GAGE DATUM			
WEATHER CONDITION		WEATHER Weather Caused Critical Delay			TEMP 77 °F / 96 °F		VISIBILITY 10 MI		WIND 30 E MPH				
DRAFT						DISTRIBUTION OF TIME AND MILES RUN							
		LIGHT		LOADED				AGITATING (MIN)		DREDGE & HAUL (MIN)		MILES RUN (NAUT MI)	
FORWARD		8		16		EFFECTIVE WORKING TIME:							
AFT		10		15		PUMPING:		00:00		00:00		0.0	
DRAG DEPTH		MAX 0		MIN 0		TURNING:		00:00		00:00		0.0	
INDICATORS LAST CHECKED ON		08/14/2019				TO DUMP:		00:00		00:00		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		195		DISCONNECTING:		00:00		00:00		0.0	
GALLONS OF WATER CONSUMED		GAL		48		TO CUT:		00:00		00:00		0.0	
						TOTALS:		00:00		00:00		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	
NO.OF LOADS		TOTAL CYS		DISPOSAL AREA		TOTAL CYS		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
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		24:00	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 191 of 377			
CONTRACT NO. W9127820F0001 W9127820F0032		CONTRACT TITLE IDIQ Hopper Dredge for Mobile Harbor				CONTRACTOR Dutra Dredging Co.				REPORT NO. 96			
CHARACTER OF REPORT		<input checked="" type="checkbox"/> MAINTENANCE <input type="checkbox"/> NEW WORK						DATE 08/28/2020					
DREDGE Columbia Hopper Dredge		HOPPER CAP: 4387 CY			AVG VOL OF BIN WATER: 0 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		450+00 to 510+00			Mobile Site 102 - SW		2,635		664,050		
CHARACTER OF MATERIAL		AVG LENGTH OF CUT			AVG WIDTH OF CUT			AVG DIST TO DUMP					
		6000 FT			400 FT			26 NM					
CHARACTER OF MATERIAL		DENSITY OF MATERIALS				1250		GMS/LITER		1250			
		DENSITY OF WATER				1006		GMS/LITER@		84 °F			
RIVER/TIDE STAGE		MIN 1.28		TIME 13:00		MAX 2.36		TIME 21:00		GAGE LOCATION			
		MIN 0.00		TIME 00:00		MAX 0.00		TIME 00:00		GAGE DATUM			
WEATHER CONDITION		WEATHER Weather Caused Critical Delay				TEMP 77 °F / 96 °F		VISIBILITY 10 MI		WIND 25 E MPH			
DRAFT						DISTRIBUTION OF TIME AND MILES RUN							
		LIGHT		LOADED				AGITATING (MIN)		DREDGE & HAUL (MIN)		MILES RUN (NAUT MI)	
FORWARD		8		16		EFFECTIVE WORKING TIME:							
AFT		10		15		PUMPING:		00:00		01:02		0.0	
DRAG DEPTH		MAX 0		MIN 0		TURNING:		00:00		00:00		0.0	
INDICATORS LAST CHECKED ON		08/14/2019				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		856		DISCONNECTING:		00:00		00:00		0.0	
GALLONS OF WATER CONSUMED		GAL		561		TO CUT:		00:00		04:27		0.0	
						TOTALS:		00:00		11:30		0.0	
WORK PERFORMED						NON-EFFECTIVE WORKING TIME:							
						TAKING ON FUEL AND SUPPLIES		00:00		03:10		0.0	
						TO AND FROM WHARF OR ANCHORAGE:		00:00		00:50		0.0	
NO.OF LOADS		TOTAL CYS		DISPOSAL AREA		TOTAL CYS		LOSS DUE TO NATURAL ELEMENTS:		00:00		04:30	0.0
2		2,635		Mobile Site 102 - SW		0		LOSS DUE TO TRAFFIC AND BRIDGES		00:00		00:00	0.0
								MINOR OPERATING REPAIRS		00:00		04:00	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		12:30	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

<b>QUALITY CONTROL REPORT-HOPPER DREDGE</b>			<b>PAGE NO.</b> Page 192 of 377
<b>CONTRACT NO.</b> W9127820F0032	<b>CONTRACT TITLE</b> IDIQ Hopper Dredge for Mobile Harbor	<b>CONTRACTOR</b> Dutra Dredging Co.	<b>REPORT NO.</b> 96
<b>DREDGE</b>	<b>NAME AND TYPE</b> Columbia Hopper Dredge		<b>DATE</b> 08/28/2020

<b>LOADS</b>					
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	450+00 to 510+00	12:30	30	207	295
	Mobile Site 102 - SW	13:00	0	4	2,635
				54	0
2	450+00 to 510+00	17:25	32	150	395
	Mobile Site 102 - SW	17:57	0	0	0
				213	0

**QC NARRATIVE(S)**

<b>CONTRACTOR CERTIFICATION</b>	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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<b>QC REPRESENTATIVE'S SIGNATURE</b>	<b>DATE</b>	<b>SUPERINTENDENT'S INITIALS</b>	<b>DATE</b>
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QUALITY CONTROL REPORT-HOPPER DREDGE										PAGE NO. Page 193 of 377	
CONTRACT NO. W9127820F0001 W9127820F0032		CONTRACT TITLE IDIQ Hopper Dredge for Mobile Harbor				CONTRACTOR Dutra Dredging Co.				REPORT NO. 97	
CHARACTER OF REPORT		<input checked="" type="checkbox"/> MAINTENANCE <input type="checkbox"/> NEW WORK						DATE 08/29/2020			
DREDGE Columbia Hopper Dredge		HOPPER CAP: 4387 CY			AVG VOL OF BIN WATER: 0 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		450+00 to 510+00			Mobile Site 102 - SW		10,540		674,590
CHARACTER OF MATERIAL		AVG LENGTH OF CUT			AVG WIDTH OF CUT			AVG DIST TO DUMP			
		6000 FT			400 FT			26 NM			
RIVER/TIDE STAGE		DENSITY OF MATERIALS			1250			GMS/LITER		1250	
		DENSITY OF WATER			1006			GMS/LITER@		84 °F	
WEATHER CONDITION		WEATHER			TEMP		VISIBILITY		WIND		
		Weather Caused Critical Delay			77 °F / 95 °F		10 MI		15 E MPH		
DRAFT						DISTRIBUTION OF TIME AND MILES RUN					
LIGHT		LOADED				AGITATING (MIN)		DREDGE & HAUL (MIN)		MILES RUN (NAUT MI)	
FORWARD		8		16		EFFECTIVE WORKING TIME:					
AFT		10		15		PUMPING:		00:00		02:00	
DRAG DEPTH		MAX 0		MIN 0		TURNING:		00:00		00:00	
INDICATORS LAST CHECKED ON		08/14/2019				TO DUMP:		00:00		11:01	
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		2,782		DISCONNECTING:		00:00		00:00	
GALLONS OF WATER CONSUMED		GAL		748		TO CUT:		00:00		10:32	
WORK PERFORMED						TOTALS:		00:00		23:45	
DREDGING AND HAULING						NON-EFFECTIVE WORKING TIME:					
NO. OF LOADS		TOTAL CYS		DISPOSAL AREA		TOTAL CYS		TAKING ON FUEL AND SUPPLIES			
4		10,540		Mobile Site 102 - SW		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		00:15	
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		00:15	
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					
Crew Boat		Cape Anne		400		24:00					



QUALITY CONTROL REPORT-HOPPER DREDGE										PAGE NO. Page 195 of 377	
CONTRACT NO. W9127820F0001 W9127820F0032		CONTRACT TITLE IDIQ Hopper Dredge for Mobile Harbor				CONTRACTOR Dutra Dredging Co.				REPORT NO. 98	
CHARACTER OF REPORT		<input checked="" type="checkbox"/> MAINTENANCE <input type="checkbox"/> NEW WORK						DATE 08/30/2020			
DREDGE Columbia Hopper Dredge		HOPPER CAP: 4387 CY			AVG VOL OF BIN WATER: 0 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		450+00 to 510+00			Mobile Site 102 - SW		7,905	682,495	
CHARACTER OF MATERIAL		AVG LENGTH OF CUT			AVG WIDTH OF CUT			AVG DIST TO DUMP			
		6000 FT			400 FT			26 NM			
DENSITY OF MATERIALS		DENSITY OF MATERIALS			1250			GMS/LITER		1250	
		DENSITY OF WATER			1006			GMS/LITER@		84 °F	
RIVER/TIDE STAGE		MIN 1.04		TIME 20:00		MAX 2.30		TIME 12:00		GAGE LOCATION	
		MIN 0.00		TIME 00:00		MAX 0.00		TIME 00:00		GAGE DATUM	
WEATHER CONDITION		WEATHER Weather Caused No Delay			TEMP 75 °F / 95 °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		16		EFFECTIVE WORKING TIME:					
AFT		10		15		PUMPING:	00:00	02:25	0.0		
DRAG DEPTH		MAX 0		MIN 0		TURNING:	00:00	00:00	0.0		
INDICATORS LAST CHECKED ON		08/14/2019				TO DUMP:	00:00	11:18	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		2,460		DISCONNECTING:	00:00	00:00	0.0		
GALLONS OF WATER CONSUMED		GAL		748		TO CUT:	00:00	10:05	0.0		
NON-EFFECTIVE WORKING TIME:						TOTALS:	00:00	24:00	0.0		
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 Site 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		
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 197 of 377	
CONTRACT NO. W9127820F0001 W9127820F0032		CONTRACT TITLE IDIQ Hopper Dredge for Mobile Harbor				CONTRACTOR Dutra Dredging Co.				REPORT NO. 99	
CHARACTER OF REPORT		<input checked="" type="checkbox"/> MAINTENANCE <input type="checkbox"/> NEW WORK						DATE 08/31/2020			
DREDGE Columbia Hopper Dredge		HOPPER CAP: 4387 CY			AVG VOL OF BIN WATER: 0 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		450+00 to 510+00			Mobile Site 102 - SW		9,460	691,955	
CHARACTER OF MATERIAL		AVG LENGTH OF CUT			AVG WIDTH OF CUT			AVG DIST TO DUMP			
		6000 FT			400 FT			26 NM			
DENSITY OF MATERIALS		DENSITY OF MATERIALS			1250			GMS/LITER		1250	
		DENSITY OF WATER			1006			GMS/LITER@		84 °F	
RIVER/TIDE STAGE		MIN	1.04	TIME	20:00	MAX	2.30	TIME	12:00	GAGE LOCATION	
		MIN	0.00	TIME	00:00	MAX	0.00	TIME	00:00	GAGE DATUM	
WEATHER CONDITION		WEATHER Weather Caused No Delay				TEMP 80 °F / 90 °F		VISIBILITY 10 MI		WIND 15 SW MPH	
DRAFT					DISTRIBUTION OF TIME AND MILES RUN						
LIGHT		LOADED					AGITATING (MIN)	DREDGE & HAUL (MIN)	MILES RUN (NAUT MI)		
FORWARD		8	16			EFFECTIVE WORKING TIME:					
AFT		10	15			PUMPING:	00:00	02:01	0.0		
DRAG DEPTH		MAX 0	MIN 0			TURNING:	00:00	00:00	0.0		
INDICATORS LAST CHECKED ON 08/14/2019					TO DUMP:	00:00	10:54	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	3,971			DISCONNECTING:	00:00	00:00	0.0		
GALLONS OF WATER CONSUMED		GAL	748			TO CUT:	00:00	10:49	0.0		
					TOTALS:	00:00	24:00	0.0			
NON-EFFECTIVE WORKING TIME:					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	9,460	Mobile Site 102 - SW		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**

<b>CONTRACT NO.</b> W9127820F0001 W9127820F0032	<b>CONTRACT TITLE</b> IDIQ Hopper Dredge for Mobile Harbor	<b>CONTRACTOR</b> Dutra Dredging Co.	<b>REPORT NO.</b> 99
<b>DREDGE</b>	<b>NAME AND TYPE</b> Columbia Hopper Dredge		<b>DATE</b> 08/31/2020

**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	450+00 to 510+00	00:00	0	26	30
	Mobile Site 102 - SW	00:00	0	4	2,365
				0	0
2	450+00 to 510+00	00:30	31	225	448
	Mobile Site 102 - SW	01:01	0	4	2,365
				188	0
3	450+00 to 510+00	07:58	45	200	435
	Mobile Site 102 - SW	08:43	0	4	2,365
				186	0
4	450+00 to 510+00	15:13	45	203	465
	Mobile Site 102 - SW	15:58	0	4	2,365
				213	0
5	450+00 to 510+00	22:58	0	0	62
	Mobile Site 102 - SW	22:58	0	0	0
				62	0

**QC NARRATIVE(S)**

<b>CONTRACTOR CERTIFICATION</b>	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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<b>QC REPRESENTATIVE'S SIGNATURE</b>	<b>DATE</b>	<b>SUPERINTENDENT'S INITIALS</b>	<b>DATE</b>
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QUALITY CONTROL REPORT-HOPPER DREDGE										PAGE NO. Page 199 of 377	
CONTRACT NO. W9127820F0001 W9127820F0032			CONTRACT TITLE IDIQ Hopper Dredge for Mobile Harbor				CONTRACTOR Dutra Dredging Co.			REPORT NO. 100	
CHARACTER OF REPORT			<input checked="" type="checkbox"/> MAINTENANCE <input type="checkbox"/> NEW WORK						DATE 09/01/2020		
DREDGE Columbia Hopper Dredge		HOPPER CAP: 4387 CY			AVG VOL OF BIN WATER: 0 CY			AVG UNFILLED CAP: 0 CY			
		NO. OF CREW MEMBERS	DREDGE		OTHER PLANT	WORK SCHEDULE		SHIFTS PER DAY	DAYS PER WEEK		
		13	4				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			450+00 to 510+00 and 510+00 to 570+00		Mobile Site 102 - SW	7,095	699,050		
		AVG LENGTH OF CUT			6000 FT		AVG WIDTH OF CUT		400 FT		
							AVG DIST TO DUMP		26 NM		
CHARACTER OF MATERIAL		DENSITY OF MATERIALS				1250		GMS/LITER		1250	
		DENSITY OF WATER				1006		GMS/LITER@		84 °F	
RIVER/TIDE STAGE		MIN	1.04	TIME	20:00	MAX	2.30	TIME	12:00	GAGE LOCATION	
		MIN	0.00	TIME	00:00	MAX	0.00	TIME	00:00	GAGE DATUM	
WEATHER CONDITION		WEATHER Weather Caused No Delay				TEMP 82 °F / 92 °F		VISIBILITY 10 MI		WIND 13 SW MPH	
DRAFT					DISTRIBUTION OF TIME AND MILES RUN						
		LIGHT		LOADED				AGITATING (MIN)	DREDGE & HAUL (MIN)	MILES RUN (NAUT MI)	
FORWARD		8		16		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		08/14/2019		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		2,401		DISCONNECTING:	00:00	00:00	0.0		
GALLONS OF WATER CONSUMED		GAL		748		TO CUT:	00:00	10:10	0.0		
						TOTALS:	00:00	23:16	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		7,095	Mobile Site 102 - SW		0	LOSS DUE TO TRAFFIC AND BRIDGES	00:00	00:44	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	00:44	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		

<b>QUALITY CONTROL REPORT-HOPPER DREDGE</b>			<b>PAGE NO.</b> Page 200 of 377	
<b>CONTRACT NO.</b> W9127820F0001 W9127820F0032	<b>CONTRACT TITLE</b> IDIQ Hopper Dredge for Mobile Harbor	<b>CONTRACTOR</b> Dutra Dredging Co.		<b>REPORT NO.</b>  100
<b>DREDGE</b>	<b>NAME AND TYPE</b> Columbia Hopper Dredge			<b>DATE</b> 09/01/2020

**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	450+00 to 510+00	00:00	45	222	397
	Mobile Site 102 - SW	00:45	0	4	2,365
				126	0
2	450+00 to 510+00	06:37	45	215	453
	Mobile Site 102 - SW	07:22	0	4	2,365
				189	0
3	510+00 to 570+00	14:10	45	202	454
	Mobile Site 102 - SW	14:55	0	4	2,365
				203	0
4	510+00 to 570+00	21:44	0	0	92
	Mobile Site 102 - SW	21:44	0	0	0
				92	0

**QC NARRATIVE(S)**

<b>CONTRACTOR CERTIFICATION</b>	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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<b>QC REPRESENTATIVE'S SIGNATURE</b>	<b>DATE</b>	<b>SUPERINTENDENT'S INITIALS</b>	<b>DATE</b>
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QUALITY CONTROL REPORT-HOPPER DREDGE										PAGE NO. Page 201 of 377	
CONTRACT NO. W9127820F0001 W9127820F0032		CONTRACT TITLE IDIQ Hopper Dredge for Mobile Harbor				CONTRACTOR Dutra Dredging Co.				REPORT NO. 101	
CHARACTER OF REPORT		<input checked="" type="checkbox"/> MAINTENANCE <input type="checkbox"/> NEW WORK						DATE 09/02/2020			
DREDGE Columbia Hopper Dredge		HOPPER CAP: 4387 CY			AVG VOL OF BIN WATER: 0 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			450+00 to 510+00 and 510+00 to 570+00			Mobile Site 102 - SW		7,905	706,955
CHARACTER OF MATERIAL		AVG LENGTH OF CUT			AVG WIDTH OF CUT			AVG DIST TO DUMP			
		6000 FT			400 FT			26 NM			
RIVER/TIDE STAGE		DENSITY OF MATERIALS						1250		GMS/LITER 1250	
		DENSITY OF WATER						1006		GMS/LITER@ 84 °F	
WEATHER CONDITION		MIN 1.15			TIME 23:00			MAX 1.85		TIME 09:00	
		MIN 0.00			TIME 00:00			MAX 0.00		TIME 00:00	
WEATHER		Weather Caused No Delay			TEMP 82 °F / 95 °F		VISIBILITY 10 MI		WIND 12 SW MPH		
DRAFT					DISTRIBUTION OF TIME AND MILES RUN						
LIGHT		LOADED					AGITATING (MIN)	DREDGE & HAUL (MIN)	MILES RUN (NAUT MI)		
FORWARD		8			16			EFFECTIVE WORKING TIME:			
AFT		10			15			PUMPING:	00:00	02:19	0.0
DRAG DEPTH		MAX 0			MIN 0			TURNING:	00:00	00:00	0.0
INDICATORS LAST CHECKED ON		08/14/2019						TO DUMP:	00:00	10:20	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	00:28	0.0
GALLONS OF FUEL OIL CONSUMED		GAL			2,143			DISCONNECTING:	00:00	00:00	0.0
GALLONS OF WATER CONSUMED		GAL			795			TO CUT:	00:00	10:53	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	
4	7,905	Mobile Site 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	
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**

<b>CONTRACT NO.</b> W9127820F0001 W9127820F0032	<b>CONTRACT TITLE</b> IDIQ Hopper Dredge for Mobile Harbor	<b>CONTRACTOR</b> Dutra Dredging Co.	<b>REPORT NO.</b> 101
<b>DREDGE</b>	<b>NAME AND TYPE</b> Columbia Hopper Dredge	<b>DATE</b> 09/02/2020	

**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	510+00 to 570+00 Mobile Site 102 - SW	00:00 00:45	45 0	215 20 92	372 2,635 0
2	510+00 to 570+00 Mobile Site 102 - SW	06:12 06:57	45 0	209 4 181	439 2,635 0
3	510+00 to 570+00 Mobile Site 102 - SW	13:31 14:16	45 0	196 4 195	440 2,635 0
4	510+00 to 570+00 Mobile Site 102 - SW	20:51 20:55	4 0	0 0 185	189 0 0

**QC NARRATIVE(S)**

<b>CONTRACTOR CERTIFICATION</b>	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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<b>QC REPRESENTATIVE'S SIGNATURE</b>	<b>DATE</b>	<b>SUPERINTENDENT'S INITIALS</b>	<b>DATE</b>
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QUALITY CONTROL REPORT-HOPPER DREDGE										PAGE NO. Page 203 of 377			
CONTRACT NO. W9127820F0001 W9127820F0032		CONTRACT TITLE IDIQ Hopper Dredge for Mobile Harbor				CONTRACTOR Dutra Dredging Co.				REPORT NO. 102			
CHARACTER OF REPORT		<input checked="" type="checkbox"/> MAINTENANCE <input type="checkbox"/> NEW WORK						DATE 09/03/2020					
DREDGE  Columbia Hopper Dredge		HOPPER CAP: 4387 CY			AVG VOL OF BIN WATER: 0 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		510+00 to 570+00			Mobile Site 102 - SW		7,905		714,860		
CHARACTER OF MATERIAL		AVG LENGTH OF CUT			AVG WIDTH OF CUT			AVG DIST TO DUMP					
		6000 FT			400 FT			32 NM					
CHARACTER OF MATERIAL		DENSITY OF MATERIALS				1250		GMS/LITER		1250			
		DENSITY OF WATER				1006		GMS/LITER@		84 °F			
RIVER/TIDE STAGE		MIN 1.15		TIME 00:00		MAX 1.45		TIME 08:00		GAGE LOCATION			
		MIN 0.00		TIME 00:00		MAX 0.00		TIME 00:00		GAGE DATUM			
WEATHER CONDITION		WEATHER Weather Caused No Delay				TEMP 78 °F / 95 °F		VISIBILITY 10 MI		WIND 12 SW MPH			
DRAFT						DISTRIBUTION OF TIME AND MILES RUN							
		LIGHT		LOADED				AGITATING (MIN)		DREDGE & HAUL (MIN)		MILES RUN (NAUT MI)	
FORWARD		8		16		EFFECTIVE WORKING TIME:							
AFT		10		15		PUMPING:		00:00		02:58		0.0	
DRAG DEPTH		MAX 0		MIN 0		TURNING:		00:00		00:00		0.0	
INDICATORS LAST CHECKED ON		08/14/2019				TO DUMP:		00:00		11:06		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		00:25		0.0	
GALLONS OF FUEL OIL CONSUMED		GAL		2,574		DISCONNECTING:		00:00		00:00		0.0	
GALLONS OF WATER CONSUMED		GAL		374		TO CUT:		00:00		09:31		0.0	
						TOTALS:		00:00		24:00		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
4		7,905		Mobile Site 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
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 205 of 377	
CONTRACT NO. W9127820F0001 W9127820F0032		CONTRACT TITLE IDIQ Hopper Dredge for Mobile Harbor				CONTRACTOR Dutra Dredging Co.				REPORT NO. 103	
CHARACTER OF REPORT		<input checked="" type="checkbox"/> MAINTENANCE <input type="checkbox"/> NEW WORK						DATE 09/04/2020			
DREDGE  Columbia Hopper Dredge		HOPPER CAP: 4387 CY			AVG VOL OF BIN WATER: 0 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		510+00 to 570+00			Mobile Site 102 - SW		7,905		722,765
CHARACTER OF MATERIAL		DENSITY OF MATERIALS			1250			GMS/LITER		1250	
		DENSITY OF WATER			1006			GMS/LITER@		84 °F	
RIVER/TIDE STAGE		MIN 1.16		TIME 22:00		MAX 1.87		TIME 14:00		GAGE LOCATION	
		MIN 0.00		TIME 00:00		MAX 0.00		TIME 00:00		GAGE DATUM	
WEATHER CONDITION		WEATHER Weather Caused No Delay			TEMP 78 °F / 95 °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		16		EFFECTIVE WORKING TIME:					
AFT		10		15		PUMPING:		00:00		02:14 0.0	
DRAG DEPTH		MAX 0		MIN 0		TURNING:		00:00		00:08 0.0	
INDICATORS LAST CHECKED ON		08/14/2019				TO DUMP:		00:00		11:01 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		01:00 0.0	
GALLONS OF FUEL OIL CONSUMED		GAL		2,115		DISCONNECTING:		00:00		00:00 0.0	
GALLONS OF WATER CONSUMED		GAL		748		TO CUT:		00:00		09:37 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			
4		7,905		Mobile Site 102 - SW		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 00:00 0.0	
TOTALS						TOTALS		00:00		00:00 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										PAGE NO. Page 207 of 377	
CONTRACT NO. W9127820F0032		CONTRACT TITLE IDIQ Hopper Dredge for Mobile Harbor				CONTRACTOR Dutra Dredging Co.				REPORT NO. 104	
CHARACTER OF REPORT		<input checked="" type="checkbox"/> MAINTENANCE <input type="checkbox"/> NEW WORK						DATE 09/05/2020			
DREDGE Columbia Hopper Dredge		HOPPER CAP: 4387 CY			AVG VOL OF BIN WATER: 0 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	510+00 to 570+00			Mobile Site 102 - SW		7,095	729,860		
CHARACTER OF MATERIAL		DENSITY OF MATERIALS			1250			GMS/LITER		1250	
		DENSITY OF WATER			1006			GMS/LITER@		84 °F	
RIVER/TIDE STAGE		MIN	1.16	TIME	22:00	MAX	1.87	TIME	14:00	GAGE LOCATION	
		MIN	0.00	TIME	00:00	MAX	0.00	TIME	00:00	GAGE DATUM	
WEATHER CONDITION		WEATHER Weather Caused No Delay			TEMP 80 °F / 92 °F		VISIBILITY 10 MI		WIND 10 E MPH		
DRAFT					DISTRIBUTION OF TIME AND MILES RUN						
		LIGHT		LOADED				AGITATING (MIN)	DREDGE & HAUL (MIN)	MILES RUN (NAUT MI)	
FORWARD		8		16		EFFECTIVE WORKING TIME:					
AFT		10		15		PUMPING:	00:00	02:22	0.0		
DRAG DEPTH		MAX 0	MIN 0			TURNING:	00:00	00:00	0.0		
INDICATORS LAST CHECKED ON		08/14/2019									
AVERAGE SPEED OF DREDGE DURING LOADING		FT/MIN		0		TO DUMP:	00:00	10:52	0.0		
AVERAGE SPEED OF DREDGE DURING AGITATING		FT/MIN		0		CONNECTING:	00:00	00:00	0.0		
GALLONS OF FUEL OIL CONSUMED		GAL		2,137		DUMPING:	00:00	01:02	0.0		
GALLONS OF WATER CONSUMED		GAL		748		DISCONNECTING:	00:00	00:00	0.0		
						TO CUT:	00:00	09:44	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		7,095	Mobile Site 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		
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**

<b>CONTRACT NO.</b> W9127820F0001 W9127820F0032	<b>CONTRACT TITLE</b> IDIQ Hopper Dredge for Mobile Harbor	<b>CONTRACTOR</b> Dutra Dredging Co.	<b>REPORT NO.</b>  104
<b>DREDGE</b>	<b>NAME AND TYPE</b> Columbia Hopper Dredge		<b>DATE</b> 09/05/2020

**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	510+00 to 570+00	00:00	0	122	136
	Mobile Site 102 - SW	00:00	0	14	0
				0	0
2	510+00 to 570+00	02:16	45	205	477
	Mobile Site 102 - SW	03:01	0	28	2,365
				199	0
3	510+00 to 570+00	10:13	45	219	470
	Mobile Site 102 - SW	10:58	0	20	2,365
				186	0
4	510+00 to 570+00	18:03	52	106	357
	Mobile Site 102 - SW	18:55	0	0	2,365
				199	0

**QC NARRATIVE(S)**

<b>CONTRACTOR CERTIFICATION</b>	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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<b>QC REPRESENTATIVE'S SIGNATURE</b>	<b>DATE</b>	<b>SUPERINTENDENT'S INITIALS</b>	<b>DATE</b>
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QUALITY CONTROL REPORT-HOPPER DREDGE										PAGE NO. Page 209 of 377				
CONTRACT NO. W9127820F0001 W9127820F0032		CONTRACT TITLE IDIQ Hopper Dredge for Mobile Harbor				CONTRACTOR Dutra Dredging Co.				REPORT NO. 105				
CHARACTER OF REPORT		<input checked="" type="checkbox"/> MAINTENANCE <input type="checkbox"/> NEW WORK						DATE 09/06/2020						
DREDGE  Columbia Hopper Dredge		HOPPER CAP: 4387 CY			AVG VOL OF BIN WATER: 0 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		510+00 to 570+00			Mobile Site 102 - SW		7,095		736,955			
CHARACTER OF MATERIAL		AVG LENGTH OF CUT			AVG WIDTH OF CUT			AVG DIST TO DUMP						
		6000 FT			400 FT			32 NM						
CHARACTER OF MATERIAL		DENSITY OF MATERIALS				1250		GMS/LITER		1250				
		DENSITY OF WATER				1006		GMS/LITER@		84 °F				
RIVER/TIDE STAGE		MIN 1.16		TIME 22:00		MAX 1.87		TIME 14:00		GAGE LOCATION				
		MIN 0.00		TIME 00:00		MAX 0.00		TIME 00:00		GAGE DATUM				
WEATHER CONDITION		WEATHER Weather Caused No Delay				TEMP 80 °F / 90 °F		VISIBILITY 10 MI		WIND 10 E MPH				
DRAFT						DISTRIBUTION OF TIME AND MILES RUN								
LIGHT		LOADED						AGITATING (MIN)		DREDGE & HAUL (MIN)		MILES RUN (NAUT MI)		
FORWARD		8		16		EFFECTIVE WORKING TIME:								
AFT		10		15		PUMPING:		00:00		02:21		0.0		
DRAG DEPTH		MAX 0		MIN 0		TURNING:		00:00		00:00		0.0		
INDICATORS LAST CHECKED ON		08/14/2019				TO DUMP:		00:00		11:10		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		01:01		0.0		
GALLONS OF FUEL OIL CONSUMED		GAL		3,006		DISCONNECTING:		00:00		00:00		0.0		
GALLONS OF WATER CONSUMED		GAL		748		TO CUT:		00:00		09:28		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		7,095		Mobile Site 102 - SW		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 210 of 377

**CONTRACT NO.**  
W9127820F0001  
W9127820F0032

**CONTRACT TITLE**  
IDIQ Hopper Dredge for Mobile Harbor

**CONTRACTOR**  
Dutra Dredging Co.

**REPORT NO.**  
105

**DREDGE**

**NAME AND TYPE**  
Columbia Hopper Dredge

**DATE**  
09/06/2020

**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	510+00 to 570+00	00:00	0	105	125
	Mobile Site 102 - SW	00:00	0	20	2,365
				0	0
2	510+00 to 570+00	02:05	50	205	471
	Mobile Site 102 - SW	02:55	0	21	2,365
				195	0
3	510+00 to 570+00	09:56	46	215	464
	Mobile Site 102 - SW	10:42	0	20	2,365
				183	0
4	510+00 to 570+00	17:40	45	145	380
	Mobile Site 102 - SW	18:25	0	0	0
				190	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 211 of 377	
CONTRACT NO. W9127820F0001 W9127820F0032		CONTRACT TITLE IDIQ Hopper Dredge for Mobile Harbor				CONTRACTOR Dutra Dredging Co.				REPORT NO. 106	
CHARACTER OF REPORT		<input checked="" type="checkbox"/> MAINTENANCE <input type="checkbox"/> NEW WORK						DATE 09/07/2020			
DREDGE Columbia Hopper Dredge		HOPPER CAP: 4387 CY			AVG VOL OF BIN WATER: 0 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		510+00 to 570+00			Mobile Site 102 - SW		10,540		747,495
CHARACTER OF MATERIAL		AVG LENGTH OF CUT			AVG WIDTH OF CUT			AVG DIST TO DUMP			
		6000 FT			400 FT			32 NM			
DENSITY OF MATERIALS		DENSITY OF MATERIALS			1250			GMS/LITER		1250	
		DENSITY OF WATER			1006			GMS/LITER@		84 °F	
RIVER/TIDE STAGE		MIN 1.23		TIME 13:00		MAX 1.78		TIME 20:00		GAGE LOCATION	
		MIN 0.00		TIME 00:00		MAX 0.00		TIME 00:00		GAGE DATUM	
WEATHER CONDITION		WEATHER Weather Caused No Delay			TEMP 78 °F / 95 °F		VISIBILITY 10 MI		WIND 10 E MPH		
DRAFT						DISTRIBUTION OF TIME AND MILES RUN					
LIGHT		LOADED						AGITATING (MIN)	DREDGE & HAUL (MIN)		MILES RUN (NAUT MI)
FORWARD		8		16		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		08/14/2019				TO DUMP:		00:00	10:49	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	01:03	0.0	
GALLONS OF FUEL OIL CONSUMED		GAL		1,814		DISCONNECTING:		00:00	00:00	0.0	
GALLONS OF WATER CONSUMED		GAL		935		TO CUT:		00:00	09:53	0.0	
						TOTALS:		00:00	24:00	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	
4	10,540	Mobile Site 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	
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 213 of 377	
CONTRACT NO. W9127820F0001 W9127820F0032		CONTRACT TITLE IDIQ Hopper Dredge for Mobile Harbor				CONTRACTOR Dutra Dredging Co.				REPORT NO. 107	
CHARACTER OF REPORT		<input checked="" type="checkbox"/> MAINTENANCE <input type="checkbox"/> NEW WORK						DATE 09/08/2020			
DREDGE Columbia Hopper Dredge		HOPPER CAP: 4387 CY			AVG VOL OF BIN WATER: 0 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		510+00 to 570+00			Mobile Site 102 - SW		5,270		752,765
CHARACTER OF MATERIAL		DENSITY OF MATERIALS			1250			GMS/LITER		1250	
		DENSITY OF WATER			1006			GMS/LITER@		84 °F	
RIVER/TIDE STAGE		MIN 0.00		TIME 13:00		MAX 2.37		TIME 04:00		GAGE LOCATION	
		MIN 0.00		TIME 00:00		MAX 0.00		TIME 00:00		GAGE DATUM	
WEATHER CONDITION		WEATHER Weather Caused No Delay			TEMP 78 °F / 95 °F		VISIBILITY 10 MI		WIND 10 E MPH		
DRAFT						DISTRIBUTION OF TIME AND MILES RUN					
LIGHT		LOADED				AGITATING (MIN)		DREDGE & HAUL (MIN)		MILES RUN (NAUT MI)	
FORWARD		8		16		EFFECTIVE WORKING TIME:					
AFT		10		15		PUMPING:		00:00		00:45	0.0
DRAG DEPTH		MAX 0		MIN 0		TURNING:		00:00		00:00	0.0
INDICATORS LAST CHECKED ON		08/14/2019				TO DUMP:		00:00		03:44	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		03:00	0.0
GALLONS OF FUEL OIL CONSUMED		GAL		5,657		DISCONNECTING:		00:00		00:00	0.0
GALLONS OF WATER CONSUMED		GAL		935		TO CUT:		00:00		03:30	0.0
NON-EFFECTIVE WORKING TIME:						TOTALS:		00:00		10:59	0.0
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:		0.0	
2		5,270		Mobile Site 102 - SW		0		LOSS DUE TO TRAFFIC AND BRIDGES		0.0	
								MINOR OPERATING REPAIRS		0.0	
								TRANSFERRING BETWEEN WORKS		0.0	
								LAY TIME:		0.0	
								FIRE AND BOAT DRILLS:		0.0	
								MISCELLANEOUS		0.0	
								TOTALS		0.0	
ATTENDANT PLANT						LOST TIME:					
ITEM		NAME OR NUMBER		H.P.		HOURS		MAJOR REPAIRS AND ALTERNATIONS		0.0	
Crew Boat		Cape Anne		400		24:00		CESSATION:		0.0	
								COLLISIONS:		0.0	
								TOTALS:		0.0	
								TOTAL TIME/MILES:		0.0	
								TOTALS:		0.0	
								TOTAL TIME/MILES:		24:00	



QUALITY CONTROL REPORT-HOPPER DREDGE										PAGE NO. Page 215 of 377		
CONTRACT NO. W9127820F0001 W9127820F0032		CONTRACT TITLE IDIQ Hopper Dredge for Mobile Harbor				CONTRACTOR Dutra Dredging Co.				REPORT NO. 108		
CHARACTER OF REPORT		<input checked="" type="checkbox"/> MAINTENANCE <input type="checkbox"/> NEW WORK						DATE 10/12/2020				
DREDGE Columbia Hopper Dredge		HOPPER CAP: 4387 CY			AVG VOL OF BIN WATER: 0 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		450+00 to 510+00			Mobile Site 102 - SW		2,635		755,400	
CHARACTER OF MATERIAL		AVG LENGTH OF CUT			AVG WIDTH OF CUT			AVG DIST TO DUMP				
		6000 FT			400 FT			32 NM				
CHARACTER OF MATERIAL		DENSITY OF MATERIALS				1250		GMS/LITER		1250		
		DENSITY OF WATER				1006		GMS/LITER@		70 °F		
RIVER/TIDE STAGE		MIN 1.18		TIME 16:00		MAX 0.00		TIME 00:00		GAGE LOCATION		
		MIN 0.00		TIME 00:00		MAX 0.00		TIME 00:00		GAGE DATUM		
WEATHER CONDITION		WEATHER Weather Caused No Delay				TEMP 64 °F / 81 °F		VISIBILITY 10 MI		WIND 10 E MPH		
DRAFT						DISTRIBUTION OF TIME AND MILES RUN						
LIGHT		LOADED						AGITATING (MIN)		DREDGE & HAUL (MIN)		MILES RUN (NAUT MI)
FORWARD		8		16		EFFECTIVE WORKING TIME:						
AFT		10		15		PUMPING:		00:00		00:27	0.0	
DRAG DEPTH		MAX 0		MIN 0		TURNING:		00:00		00:00	0.0	
INDICATORS LAST CHECKED ON		08/14/2019				TO DUMP:		00:00		04:02	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		00:04	0.0	
GALLONS OF FUEL OIL CONSUMED		GAL		1,000		DISCONNECTING:		00:00		00:00	0.0	
GALLONS OF WATER CONSUMED		GAL		500		TO CUT:		00:00		01:19	0.0	
						TOTALS:		00:00		05:52	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:		0.0		
2		2,635		Mobile Site 102 - SW		0		LOSS DUE TO TRAFFIC AND BRIDGES		0.0		
								MINOR OPERATING REPAIRS		00:00	01:50	
								TRANSFERRING BETWEEN WORKS		00:00	00:00	
								LAY TIME:		00:00	00:00	
ITEM		NAME OR NUMBER		H.P.		HOURS		FIRE AND BOAT DRILLS:		00:00	00:00	
Crew Boat		Cape Anne		400		24:00		MISCELLANEOUS		00:00	00:00	
								TOTALS		00:00	01:50	
LOST TIME:												
								MAJOR REPAIRS AND ALTERNATIONS		00:00	16:18	
								CESSATION:		00:00	00:00	
								COLLISIONS:		00:00	00:00	
								TOTALS:		00:00	16:18	
								TOTAL TIME/MILES:		00:00	24:00	

<b>QUALITY CONTROL REPORT-HOPPER DREDGE</b>			<b>PAGE NO.</b> Page 216 of 377
<b>CONTRACT NO.</b> W9127820F0001 W9127820F0032	<b>CONTRACT TITLE</b> IDIQ Hopper Dredge for Mobile Harbor	<b>CONTRACTOR</b> Dutra Dredging Co.	<b>REPORT NO.</b> 108
<b>DREDGE</b>	<b>NAME AND TYPE</b> Columbia Hopper Dredge		<b>DATE</b> 10/12/2020

<b>LOADS</b>					
<b>LOAD NUMBER</b>	<b>DREDGING AREA DISPOSAL AREA</b>	<b>START TIME STOP TIME (HH:MM)</b>	<b>PUMPING TURNING (MIN)</b>	<b>TO DUMP DUMPING TO CUT (MIN)</b>	<b>TOTAL TIME DREDGED AMOUNT AGITATED AMOUNT (MIN/CYS)</b>
1	450+00 to 510+00	16:18	27	242	273
	Mobile Site 102 - SW	16:45	0	4	2,635
				0	0
2	450+00 to 510+00	20:51	0	0	79
	Mobile Site 102 - SW	20:51	0	0	0
				79	0

**QC NARRATIVE(S)**

<b>CONTRACTOR CERTIFICATION</b>	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.		
<b>QC REPRESENTATIVE'S SIGNATURE</b>	<b>DATE</b>	<b>SUPERINTENDENT'S INITIALS</b>	<b>DATE</b>



QUALITY CONTROL REPORT-HOPPER DREDGE										PAGE NO. Page 217 of 377	
CONTRACT NO. W9127820F0001 W9127820F0032		CONTRACT TITLE IDIQ Hopper Dredge for Mobile Harbor				CONTRACTOR Dutra Dredging Co.				REPORT NO. 109	
CHARACTER OF REPORT		<input checked="" type="checkbox"/> MAINTENANCE <input type="checkbox"/> NEW WORK						DATE 10/13/2020			
DREDGE Columbia Hopper Dredge		HOPPER CAP: 4387 CY		AVG VOL OF BIN WATER: 0 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	450+00 to 510+00		Mobile Site 102 - SW	0	755,400				
CHARACTER OF MATERIAL		AVG LENGTH OF CUT 6000 FT		AVG WIDTH OF CUT 400 FT		AVG DIST TO DUMP 32 NM					
		DENSITY OF MATERIALS			1250			GMS/LITER		1250	
RIVER/TIDE STAGE		DENSITY OF WATER			1006			GMS/LITER@		70 °F	
		MIN 1.18	TIME 16:00	MAX 0.00	TIME 00:00	GAGE LOCATION					
WEATHER CONDITION		MIN 0.00	TIME 00:00	MAX 0.00	TIME 00:00	GAGE DATUM					
		WEATHER Weather Caused No Delay			TEMP 69 °F / 79 °F	VISIBILITY 10 MI	WIND 10 E MPH				
DRAFT					DISTRIBUTION OF TIME AND MILES RUN						
	LIGHT		LOADED			AGITATING (MIN)	DREDGE & HAUL (MIN)	MILES RUN (NAUT MI)			
FORWARD	8		16		EFFECTIVE WORKING TIME:						
AFT	10		15		PUMPING:	00:00	00:33	0.0			
DRAG DEPTH	MAX 0	MIN 0									
TURNING:	00:00	00:00	0.0								
INDICATORS LAST CHECKED ON	08/14/2019										
TO DUMP:	00:00	02:55	0.0								
CONNECTING:	00:00	00:00	0.0								
DUMPING:	00:00	00:00	0.0								
DISCONNECTING:	00:00	00:00	0.0								
AVERAGE SPEED OF DREDGE DURING LOADING	FT/MIN	0									
TO CUT:	00:00	03:21	0.0								
AVERAGE SPEED OF DREDGE DURING AGITATING	FT/MIN	0									
GALLONS OF FUEL OIL CONSUMED	GAL	1,000									
TOTALS:	00:00	06:49	0.0								
GALLONS OF WATER CONSUMED	GAL	500									
WORK PERFORMED					NON-EFFECTIVE WORKING TIME:						
TAKING ON FUEL AND SUPPLIES	00:00	00:00	0.0								
DREDGING AND HAULING			AGITATING		TO AND FROM WHARF OR ANCHORAGE:						
NO.OF LOADS	TOTAL CYS	DISPOSAL AREA	TOTAL CYS	0.0							
1	0	Mobile Site 102 - SW	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							
ATTENDANT PLANT					LAY TIME:						
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	17:11	0.0			
					CESSATION:	00:00	00:00	0.0			
					COLLISIONS:	00:00	00:00	0.0			
					TOTALS:	00:00	17:11	0.0			
					TOTAL TIME/MILES:	00:00	24:00	0.0			



QUALITY CONTROL REPORT-HOPPER DREDGE										PAGE NO. Page 219 of 377	
CONTRACT NO. W9127820F0001 W9127820F0032		CONTRACT TITLE IDIQ Hopper Dredge for Mobile Harbor				CONTRACTOR Dutra Dredging Co.				REPORT NO. 110	
CHARACTER OF REPORT		<input checked="" type="checkbox"/> MAINTENANCE <input type="checkbox"/> NEW WORK						DATE 10/14/2020			
DREDGE Columbia Hopper Dredge		HOPPER CAP: 4387 CY			AVG VOL OF BIN WATER: 0 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		450+00 to 510+00			Mobile Site 102 - SW		2,635		758,035
CHARACTER OF MATERIAL		AVG LENGTH OF CUT			AVG WIDTH OF CUT			AVG DIST TO DUMP			
		6000 FT			400 FT			32 NM			
DENSITY OF MATERIALS		DENSITY OF MATERIALS			1250			GMS/LITER		1250	
		DENSITY OF WATER			1006			GMS/LITER@		70 °F	
RIVER/TIDE STAGE		MIN 1.65		TIME 23:00		MAX 0.00		TIME 00:00		GAGE LOCATION	
		MIN 0.00		TIME 00:00		MAX 0.00		TIME 00:00		GAGE DATUM	
WEATHER CONDITION		WEATHER Weather Caused No Delay			TEMP 64 °F / 81 °F		VISIBILITY 10 MI		WIND 10 E MPH		
DRAFT						DISTRIBUTION OF TIME AND MILES RUN					
LIGHT		LOADED						AGITATING (MIN)	DREDGE & HAUL (MIN)	MILES RUN (NAUT MI)	
FORWARD		8		16		EFFECTIVE WORKING TIME:					
AFT		10		15		PUMPING:		00:00	00:29	0.0	
DRAG DEPTH		MAX 0		MIN 0		TURNING:		00:00	00:00	0.0	
INDICATORS LAST CHECKED ON		08/14/2019				TO DUMP:		00:00	00:48	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	00:04	0.0	
GALLONS OF FUEL OIL CONSUMED		GAL		818		DISCONNECTING:		00:00	00:00	0.0	
GALLONS OF WATER CONSUMED		GAL		896		TO CUT:		00:00	03:07	0.0	
						TOTALS:		00:00	04:28	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	
2	2,635	Mobile Site 102 - SW		0		LOSS DUE TO TRAFFIC AND BRIDGES		00:00	00:00	0.0	
						MINOR OPERATING REPAIRS		00:00	19:32	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	19:32	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 221 of 377	
CONTRACT NO. W9127820F0001 W9127820F0032		CONTRACT TITLE IDIQ Hopper Dredge for Mobile Harbor				CONTRACTOR Dutra Dredging Co.				REPORT NO. 111	
CHARACTER OF REPORT		<input checked="" type="checkbox"/> MAINTENANCE <input type="checkbox"/> NEW WORK						DATE 10/15/2020			
DREDGE Columbia Hopper Dredge		HOPPER CAP: 4387 CY			AVG VOL OF BIN WATER: 0 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		450+00 to 510+00			Mobile Site 102 - SW		7,095		765,130
CHARACTER OF MATERIAL		DENSITY OF MATERIALS			1250			GMS/LITER		1250	
		DENSITY OF WATER			1006			GMS/LITER@		70 °F	
RIVER/TIDE STAGE		MIN 1.65		TIME 23:00		MAX 0.00		TIME 00:00		GAGE LOCATION	
		MIN 0.00		TIME 00:00		MAX 0.00		TIME 00:00		GAGE DATUM	
WEATHER CONDITION		WEATHER Weather Caused No Delay			TEMP 60 °F / 80 °F		VISIBILITY 10 MI		WIND 10 SSE MPH		
DRAFT						DISTRIBUTION OF TIME AND MILES RUN					
LIGHT		LOADED				AGITATING (MIN)		DREDGE & HAUL (MIN)		MILES RUN (NAUT MI)	
FORWARD		8		16		EFFECTIVE WORKING TIME:					
AFT		10		15		PUMPING:		00:00		01:07 0.0	
DRAG DEPTH		MAX 0		MIN 0		TURNING:		00:00		00:07 0.0	
INDICATORS LAST CHECKED ON		08/14/2019				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		1,454		DISCONNECTING:		00:00		00:00 0.0	
GALLONS OF WATER CONSUMED		GAL		896		TO CUT:		00:00		09:21 0.0	
TOTALS:						00:00		21:11		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 0.0	
4		7,095		Mobile Site 102 - SW		0		LOSS DUE TO TRAFFIC AND BRIDGES		00:00 0.0	
								MINOR OPERATING REPAIRS		00:00 02:49 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 02:49 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**

<b>CONTRACT NO.</b> W9127820F0001 W9127820F0032	<b>CONTRACT TITLE</b> IDIQ Hopper Dredge for Mobile Harbor	<b>CONTRACTOR</b> Dutra Dredging Co.	<b>REPORT NO.</b>  111
<b>DREDGE</b>	<b>NAME AND TYPE</b> Columbia Hopper Dredge		<b>DATE</b> 10/15/2020

**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	450+00 to 510+00	00:00	3	229	236
	Mobile Site 102 - SW	00:03	0	4	2,365
				0	0
2	450+00 to 510+00	03:56	30	202	432
	Mobile Site 102 - SW	04:26	0	4	2,365
				196	0
3	450+00 to 510+00	11:08	34	193	422
	Mobile Site 102 - SW	11:49	7	4	2,365
				184	0
4	450+00 to 510+00	18:10	0	0	181
	Mobile Site 102 - SW	18:10	0	0	0
				181	0

**QC NARRATIVE(S)**

<b>CONTRACTOR CERTIFICATION</b>	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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<b>QC REPRESENTATIVE'S SIGNATURE</b>	<b>DATE</b>	<b>SUPERINTENDENT'S INITIALS</b>	<b>DATE</b>
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QUALITY CONTROL REPORT-HOPPER DREDGE										PAGE NO. Page 223 of 377	
CONTRACT NO. W9127820F0001 W9127820F0032		CONTRACT TITLE IDIQ Hopper Dredge for Mobile Harbor				CONTRACTOR Dutra Dredging Co.				REPORT NO. 112	
CHARACTER OF REPORT		<input checked="" type="checkbox"/> MAINTENANCE <input type="checkbox"/> NEW WORK						DATE 10/16/2020			
DREDGE Columbia Hopper Dredge		HOPPER CAP: 4387 CY			AVG VOL OF BIN WATER: 0 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		450+00 to 510+00			Mobile Site 102 - SW		7,095		772,225
CHARACTER OF MATERIAL		DENSITY OF MATERIALS			1250			GMS/LITER		1250	
		DENSITY OF WATER			1006			GMS/LITER@		70 °F	
RIVER/TIDE STAGE		MIN 1.65		TIME 23:00		MAX 0.00		TIME 00:00		GAGE LOCATION	
		MIN 0.00		TIME 00:00		MAX 0.00		TIME 00:00		GAGE DATUM	
WEATHER CONDITION		WEATHER Weather Caused No Delay			TEMP 60 °F / 81 °F		VISIBILITY 10 MI		WIND 10 SSE MPH		
DRAFT						DISTRIBUTION OF TIME AND MILES RUN					
LIGHT		LOADED				AGITATING (MIN)		DREDGE & HAUL (MIN)		MILES RUN (NAUT MI)	
FORWARD		8		16		EFFECTIVE WORKING TIME:					
AFT		10		15		PUMPING:		00:00		01:51 0.0	
DRAG DEPTH		MAX 0		MIN 0		TURNING:		00:00		00:05 0.0	
INDICATORS LAST CHECKED ON		08/14/2019				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		2,966		DISCONNECTING:		00:00		00:00 0.0	
GALLONS OF WATER CONSUMED		GAL		896		TO CUT:		00:00		09:38 0.0	
TOTALS:						00:00		22:10		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 0.0	
4		7,095		Mobile Site 102 - SW		0		LOSS DUE TO TRAFFIC AND BRIDGES		00:00 0.0	
								MINOR OPERATING REPAIRS		00:00 0.0	
								TRANSFERRING BETWEEN WORKS		00:00 01:50 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 01:50 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**

<b>CONTRACT NO.</b> W9127820F0001 W9127820F0032	<b>CONTRACT TITLE</b> IDIQ Hopper Dredge for Mobile Harbor	<b>CONTRACTOR</b> Dutra Dredging Co.	<b>REPORT NO.</b> 112
<b>DREDGE</b>	<b>NAME AND TYPE</b> Columbia Hopper Dredge		<b>DATE</b> 10/16/2020

**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	450+00 to 510+00 Mobile Site 102 - SW	01:50 02:20	30 0	199 4 0	233 2,365 0
2	450+00 to 510+00 Mobile Site 102 - SW	05:43 06:17	34 0	215 4 202	455 2,365 0
3	450+00 to 510+00 Mobile Site 102 - SW	13:18 13:52	34 0	210 4 185	433 2,365 0
4	450+00 to 510+00 Mobile Site 102 - SW	20:31 20:49	13 5	0 0 191	209 0 0

**QC NARRATIVE(S)**

<b>CONTRACTOR CERTIFICATION</b>	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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<b>QC REPRESENTATIVE'S SIGNATURE</b>	<b>DATE</b>	<b>SUPERINTENDENT'S INITIALS</b>	<b>DATE</b>
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QUALITY CONTROL REPORT-HOPPER DREDGE										PAGE NO. Page 225 of 377			
CONTRACT NO. W9127820F0001 W9127820F0032		CONTRACT TITLE IDIQ Hopper Dredge for Mobile Harbor				CONTRACTOR Dutra Dredging Co.				REPORT NO. 113			
CHARACTER OF REPORT		<input checked="" type="checkbox"/> MAINTENANCE <input type="checkbox"/> NEW WORK						DATE 10/17/2020					
DREDGE Columbia Hopper Dredge		HOPPER CAP: 4387 CY			AVG VOL OF BIN WATER: 0 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		450+00 to 510+00			Mobile Site 102 - SW		7,095		779,320		
CHARACTER OF MATERIAL		AVG LENGTH OF CUT			AVG WIDTH OF CUT			AVG DIST TO DUMP					
		6000 FT			400 FT			32 NM					
CHARACTER OF MATERIAL		DENSITY OF MATERIALS				1250		GMS/LITER		1250			
		DENSITY OF WATER				1006		GMS/LITER@		70 °F			
RIVER/TIDE STAGE		MIN 1.65		TIME 23:00		MAX 0.00		TIME 00:00		GAGE LOCATION			
		MIN 0.00		TIME 00:00		MAX 0.00		TIME 00:00		GAGE DATUM			
WEATHER CONDITION		WEATHER Weather Caused No Delay				TEMP 59 °F / 80 °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		16		EFFECTIVE WORKING TIME:							
AFT		10		15		PUMPING:		00:00		01:38		0.0	
DRAG DEPTH		MAX 0		MIN 0		TURNING:		00:00		00:03		0.0	
INDICATORS LAST CHECKED ON		08/14/2019				TO DUMP:		00:00		12:15		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		00:38		0.0	
GALLONS OF FUEL OIL CONSUMED		GAL		2,832		DISCONNECTING:		00:00		00:00		0.0	
GALLONS OF WATER CONSUMED		GAL		896		TO CUT:		00:00		09:26		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		7,095		Mobile Site 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
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 226 of 377

**CONTRACT NO.**  
W9127820F0001  
W9127820F0032

**CONTRACT TITLE**  
IDIQ Hopper Dredge for Mobile Harbor

**CONTRACTOR**  
Dutra Dredging Co.

**REPORT NO.**  
113

**DREDGE**

**NAME AND TYPE**  
Columbia Hopper Dredge

**DATE**  
10/17/2020

**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	450+00 to 510+00 Mobile Site 102 - SW	00:00	9	197	213
		00:12	3	4	2,365
				0	0
2	450+00 to 510+00 Mobile Site 102 - SW	03:33	30	203	448
		04:03	0	4	2,365
				211	0
3	450+00 to 510+00 Mobile Site 102 - SW	11:01	32	217	451
		11:33	0	30	2,365
				172	0
4	450+00 to 510+00 Mobile Site 102 - SW	18:32	27	118	328
		18:59	0	0	0
				183	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 227 of 377	
CONTRACT NO. W9127820F0001 W9127820F0032			CONTRACT TITLE IDIQ Hopper Dredge for Mobile Harbor				CONTRACTOR Dutra Dredging Co.			REPORT NO. 114	
CHARACTER OF REPORT			<input checked="" type="checkbox"/> MAINTENANCE <input type="checkbox"/> NEW WORK						DATE 10/18/2020		
DREDGE Columbia Hopper Dredge		HOPPER CAP: 4387 CY			AVG VOL OF BIN WATER: 0 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	450+00 to 510+00			Mobile Site 102 - SW	2,365	781,685			
CHARACTER OF MATERIAL		DENSITY OF MATERIALS			1250			GMS/LITER	1250		
		DENSITY OF WATER			1006			GMS/LITER@	70 °F		
RIVER/TIDE STAGE		MIN	1.65	TIME	23:00	MAX	0.00	TIME	00:00	GAGE LOCATION	
		MIN	0.00	TIME	00:00	MAX	0.00	TIME	00:00	GAGE DATUM	
WEATHER CONDITION		WEATHER Weather Caused No Delay			TEMP 60 °F / 82 °F		VISIBILITY 10 MI	WIND 10/E MPH			
DRAFT					DISTRIBUTION OF TIME AND MILES RUN						
FORWARD	LIGHT		LOADED				AGITATING (MIN)	DREDGE & HAUL (MIN)	MILES RUN (NAUT MI)		
	8		16			EFFECTIVE WORKING TIME:					
AFT	10		15			PUMPING:	00:00	00:33	0.0		
DRAG DEPTH    MAX 0    MIN 0					TURNING:	00:00	00:00	0.0			
INDICATORS LAST CHECKED ON    08/14/2019					TO DUMP:	00:00	02:44	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	00:46	0.0	
GALLONS OF FUEL OIL CONSUMED					GAL	850	DISCONNECTING:	00:00	00:00	0.0	
GALLONS OF WATER CONSUMED					GAL	896	TO CUT:	00:00	02:59	0.0	
							TOTALS:	00:00	07:02	0.0	
WORK PERFORMED							NON-EFFECTIVE WORKING TIME:				
DREDGING AND HAULING					AGITATING		TAKING ON FUEL AND SUPPLIES	00:00	06:00	0.0	
NO.OF LOADS	TOTAL CYS	DISPOSAL AREA		TOTAL CYS	TO AND FROM WHARF OR ANCHORAGE:	00:00	00:00	00:00	0.0		
2	2,365	Mobile Site 102 - SW		0	LOSS DUE TO NATURAL ELEMENTS:	00:00	00:00	00:00	0.0		
					LOSS DUE TO TRAFFIC AND BRIDGES	00:00	00:00	00:00	0.0		
					MINOR OPERATING REPAIRS	00:00	07:12	00:00	0.0		
					TRANSFERRING BETWEEN WORKS	00:00	03:46	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	00:00	0.0		
Crew Boat	Cape Anne		400	24:00	MISCELLANEOUS	00:00	00:00	00:00	0.0		
					TOTALS	00:00	16:58	00:00	0.0		
					LOST TIME:						
					MAJOR REPAIRS AND ALTERNATIONS	00:00	00:00	00:00	0.0		
					CESSATION:	00:00	00:00	00:00	0.0		
					COLLISIONS:	00:00	00:00	00:00	0.0		
					TOTALS:	00:00	00:00	00:00	0.0		
					TOTAL TIME/MILES:	00:00	24:00	00:00	0.0		

QUALITY CONTROL REPORT-HOPPER DREDGE

PAGE NO. Page 228 of 377

CONTRACT NO.  
W9127820F0001  
W9127820F0032

CONTRACT TITLE  
IDIQ Hopper Dredge for Mobile Harbor

CONTRACTOR  
Dutra Dredging Co.

REPORT NO.  
114

DREDGE

NAME AND TYPE  
Columbia Hopper Dredge

DATE  
10/18/2020

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	450+00 to 510+00	00:00	0	104	150
	Mobile Site 102 - SW	00:00	0	46	2,365
				0	0
2	450+00 to 510+00	02:30	33	60	272
	Mobile Site 102 - SW	03:03	0	0	0
				179	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 229 of 377				
CONTRACT NO. W9127820F0001 W9127820F0032		CONTRACT TITLE IDIQ Hopper Dredge for Mobile Harbor				CONTRACTOR Dutra Dredging Co.				REPORT NO. 115				
CHARACTER OF REPORT		<input checked="" type="checkbox"/> MAINTENANCE <input type="checkbox"/> NEW WORK						DATE 10/19/2020						
DREDGE  Columbia Hopper Dredge		HOPPER CAP: 4387 CY			AVG VOL OF BIN WATER: 0 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		450+00 to 510+00			Mobile Site 102 - SW		2,365		784,050			
CHARACTER OF MATERIAL		AVG LENGTH OF CUT			AVG WIDTH OF CUT			AVG DIST TO DUMP						
		6000 FT			400 FT			32 NM						
DENSITY OF MATERIALS		DENSITY OF MATERIALS						1250		GMS/LITER 1250				
		DENSITY OF WATER						1006		GMS/LITER@ 70 °F				
RIVER/TIDE STAGE		MIN 1.65		TIME 23:00		MAX 0.00		TIME 00:00		GAGE LOCATION				
		MIN 0.00		TIME 00:00		MAX 0.00		TIME 00:00		GAGE DATUM				
WEATHER CONDITION		WEATHER Weather Caused No Delay			TEMP 60 °F / 82 °F		VISIBILITY 10 MI		WIND 10/E MPH					
DRAFT						DISTRIBUTION OF TIME AND MILES RUN								
LIGHT		LOADED						AGITATING (MIN)		DREDGE & HAUL (MIN)		MILES RUN (NAUT MI)		
FORWARD		8		16		EFFECTIVE WORKING TIME:								
AFT		10		15		PUMPING:		00:00		00:00		0.0		
DRAG DEPTH		MAX 0		MIN 0		TURNING:		00:00		00:00		0.0		
INDICATORS LAST CHECKED ON		08/14/2019				TO DUMP:		00:00		02:49		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		850		DISCONNECTING:		00:00		00:00		0.0		
GALLONS OF WATER CONSUMED		GAL		896		TO CUT:		00:00		00:00		0.0		
						TOTALS:		00:00		02:53		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	
1		2,365		Mobile Site 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		21:07	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		21:07		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 230 of 377

**CONTRACT NO.**  
W9127820F0001  
W9127820F0032

**CONTRACT TITLE**  
IDIQ Hopper Dredge for Mobile Harbor

**CONTRACTOR**  
Dutra Dredging Co.

**REPORT NO.**  
115

**DREDGE**

**NAME AND TYPE**  
Columbia Hopper Dredge

**DATE**  
10/19/2020

**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	450+00 to 510+00	00:00	0	169	173
	Mobile Site 102 - SW	00:00	0	4	2,365
					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 231 of 377		
CONTRACT NO. W9127820F0032			CONTRACT TITLE IDIQ Hopper Dredge for Mobile Harbor				CONTRACTOR Dutra Dredging Co.				REPORT NO. 116		
CHARACTER OF REPORT			<input checked="" type="checkbox"/> MAINTENANCE <input type="checkbox"/> NEW WORK							DATE 11/23/2020			
DREDGE Columbia Hopper Dredge		HOPPER CAP: 4387 CY			AVG VOL OF BIN WATER: 0 CY			AVG UNFILLED CAP: 0 CY					
		NO. OF CREW MEMBERS		DREDGE 13		OTHER PLANT 4		WORK SCHEDULE		SHIFTS PER DAY 2	DAYS PER WEEK 7		
LOCATION OF WORK		LOCATION CHANNEL Mobile Bay			REACH DREDGED; STA TO STA 256+00 to 316+00			DISPOSAL AREA USE Mobile Site 102 - SW		QTY DEPOSITED GROSS(CY) 2,635	CUMULATIVE AND QTY DEPOSIT FOR DA(CY) 786,685		
		AVG LENGTH OF CUT 6000 FT			AVG WIDTH OF CUT 400 FT			AVG DIST TO DUMP 39 NM					
CHARACTER OF MATERIAL		DENSITY OF MATERIALS				1250		GMS/LITER		1250			
		DENSITY OF WATER				1006		GMS/LITER@		68 °F			
RIVER/TIDE STAGE		MIN 0.54		TIME 14:00		MAX 1.44		TIME 22:00		GAGE LOCATION			
		MIN 0.00		TIME 00:00		MAX 0.00		TIME 00:00		GAGE DATUM			
WEATHER CONDITION		WEATHER Weather Caused No Delay				TEMP 47 °F / 68 °F		VISIBILITY 10 MI		WIND 10/N MPH			
DRAFT						DISTRIBUTION OF TIME AND MILES RUN							
		LIGHT		LOADED				AGITATING (MIN)	DREDGE & HAUL (MIN)	MILES RUN (NAUT MI)			
FORWARD		8		16		EFFECTIVE WORKING TIME:							
AFT		10		15		PUMPING:		00:00	01:58	0.0			
DRAG DEPTH		MAX 0		MIN 0		TURNING:		00:00	00:00	0.0			
INDICATORS LAST CHECKED ON		08/14/2019											
AVERAGE SPEED OF DREDGE DURING LOADING		FT/MIN		0		TO DUMP:		00:00	04:37	0.0			
AVERAGE SPEED OF DREDGE DURING AGITATING		FT/MIN		0		CONNECTING:		00:00	00:00	0.0			
GALLONS OF FUEL OIL CONSUMED		GAL		1,871		DUMPING:		00:00	00:04	0.0			
GALLONS OF WATER CONSUMED		GAL		784		DISCONNECTING:		00:00	00:00	0.0			
						TO CUT:		00:00	06:48	0.0			
						TOTALS:		00:00	13:27	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 2		TOTAL CYS 2,635		DISPOSAL AREA Mobile Site 102 - SW		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	10:33	0.0			
						TOTALS		00:00	10:33	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 233 of 377	
CONTRACT NO. W9127820F0001 W9127820F0032		CONTRACT TITLE IDIQ Hopper Dredge for Mobile Harbor				CONTRACTOR Dutra Dredging Co.				REPORT NO. 117	
CHARACTER OF REPORT		<input checked="" type="checkbox"/> MAINTENANCE <input type="checkbox"/> NEW WORK						DATE 11/24/2020			
DREDGE Columbia Hopper Dredge		HOPPER CAP: 4387 CY			AVG VOL OF BIN WATER: 0 CY			AVG UNFILLED CAP: 0 CY			
		NO. OF CREW MEMBERS	DREDGE 13		OTHER PLANT 4	WORK SCHEDULE		SHIFTS PER DAY 2	DAYS PER WEEK 7		
LOCATION OF WORK		LOCATION CHANNEL Mobile Bay			REACH DREDGED; STA TO STA 256+00 to 316+00			DISPOSAL AREA USE Mobile Site 102 - SW	QTY DEPOSITED GROSS(CY) 7,905	CUMULATIVE AND QTY DEPOSIT FOR DA(CY) 794,590	
		AVG LENGTH OF CUT 6000 FT			AVG WIDTH OF CUT 400 FT			AVG DIST TO DUMP 39 NM			
CHARACTER OF MATERIAL		DENSITY OF MATERIALS				1250		GMS/LITER		1250	
		DENSITY OF WATER				1006		GMS/LITER@		68 °F	
RIVER/TIDE STAGE		MIN	1.27	TIME	14:00	MAX	1.44	TIME	01:00	GAGE LOCATION	
		MIN	0.00	TIME	00:00	MAX	0.00	TIME	00:00	GAGE DATUM	
WEATHER CONDITION		WEATHER Weather Caused No Delay				TEMP 47 °F / 68 °F		VISIBILITY 10 MI		WIND 10/N MPH	
DRAFT						DISTRIBUTION OF TIME AND MILES RUN					
		LIGHT		LOADED				AGITATING (MIN)	DREDGE & HAUL (MIN)	MILES RUN (NAUT MI)	
FORWARD		8		16		EFFECTIVE WORKING TIME:					
AFT		10		15		PUMPING:	00:00	02:24	0.0		
DRAG DEPTH		MAX 0		MIN 0		TURNING:	00:00	00:08	0.0		
INDICATORS LAST CHECKED ON		08/14/2019		TO DUMP:	00:00	10:56	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	2,153		DISCONNECTING:	00:00	00:00	0.0			
GALLONS OF WATER CONSUMED		GAL	935		TO CUT:	00:00	10:20	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 4	TOTAL CYS 7,905	DISPOSAL AREA Mobile Site 102 - SW		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		
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		

<b>QUALITY CONTROL REPORT-HOPPER DREDGE</b>			<b>PAGE NO.</b> Page 234 of 377
<b>CONTRACT NO.</b> W9127820F0001 W9127820F0032	<b>CONTRACT TITLE</b> IDIQ Hopper Dredge for Mobile Harbor	<b>CONTRACTOR</b> Dutra Dredging Co.	<b>REPORT NO.</b> 117
<b>DREDGE</b>	<b>NAME AND TYPE</b> Columbia Hopper Dredge	<b>DATE</b> 11/24/2020	

**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	256+00 to 316+00	00:00	0	175	179
	Mobile Site 102 - SW	00:00	0	4	2,635
				0	0
2	256+00 to 316+00	02:59	36	226	473
	Mobile Site 102 - SW	03:35	0	4	2,635
				207	0
3	256+00 to 316+00	10:52	50	231	501
	Mobile Site 102 - SW	11:42	0	4	2,635
				216	0
4	256+00 to 316+00	19:13	58	24	287
	Mobile Site 102 - SW	20:19	8	0	0
				197	0

**QC NARRATIVE(S)**

<b>CONTRACTOR CERTIFICATION</b>	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.		
<b>QC REPRESENTATIVE'S SIGNATURE</b>	<b>DATE</b>	<b>SUPERINTENDENT'S INITIALS</b>	<b>DATE</b>

QUALITY CONTROL REPORT-HOPPER DREDGE										PAGE NO. Page 235 of 377	
CONTRACT NO. W9127820F0001 W9127820F0032		CONTRACT TITLE IDIQ Hopper Dredge for Mobile Harbor				CONTRACTOR Dutra Dredging Co.				REPORT NO. 118	
CHARACTER OF REPORT		<input checked="" type="checkbox"/> MAINTENANCE <input type="checkbox"/> NEW WORK						DATE 11/25/2020			
DREDGE  Columbia Hopper Dredge		HOPPER CAP: 4387 CY			AVG VOL OF BIN WATER: 0 CY			AVG UNFILLED CAP: 0 CY			
		NO. OF CREW MEMBERS	DREDGE 13		OTHER PLANT 4	WORK SCHEDULE		SHIFTS PER DAY 2	DAYS PER WEEK 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	256+00 to 316+00			Mobile Site 102 - SW		7,905	802,495		
CHARACTER OF MATERIAL		AVG LENGTH OF CUT 6000 FT			AVG WIDTH OF CUT 400 FT			AVG DIST TO DUMP 39 NM			
		DENSITY OF MATERIALS				1250		GMS/LITER		1250	
RIVER/TIDE STAGE		DENSITY OF WATER				1006		GMS/LITER@		68 °F	
		MIN 1.73	TIME 16:00	MAX 1.83	TIME 07:00	GAGE LOCATION					
WEATHER CONDITION		MIN 0.00	TIME 00:00	MAX 0.00	TIME 00:00	GAGE DATUM					
		WEATHER Weather Caused No Delay			TEMP 51 °F / 68 °F		VISIBILITY 10 MI		WIND 10/N MPH		
DRAFT						DISTRIBUTION OF TIME AND MILES RUN					
		LIGHT		LOADED				AGITATING (MIN)	DREDGE & HAUL (MIN)	MILES RUN (NAUT MI)	
FORWARD		8		16		EFFECTIVE WORKING TIME:					
AFT		10		15		PUMPING:	00:00	01:47	0.0		
DRAG DEPTH		MAX 0		MIN 0		TURNING:	00:00	00:08	0.0		
INDICATORS LAST CHECKED ON		08/14/2019									
AVERAGE SPEED OF DREDGE DURING LOADING		FT/MIN	0		TO DUMP:	00:00	10:58	0.0			
AVERAGE SPEED OF DREDGE DURING AGITATING		FT/MIN	0		CONNECTING:	00:00	00:00	0.0			
GALLONS OF FUEL OIL CONSUMED		GAL	2,153		DUMPING:	00:00	00:14	0.0			
GALLONS OF WATER CONSUMED		GAL	935		DISCONNECTING:	00:00	00:00	0.0			
						TO CUT:	00:00	10:53	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 4		TOTAL CYS 7,905	DISPOSAL AREA Mobile Site 102 - SW		TOTAL CYS 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		

<b>QUALITY CONTROL REPORT-HOPPER DREDGE</b>				PAGE NO. Page 236 of 377	
CONTRACT NO. W9127820F0001 W9127820F0032	CONTRACT TITLE IDIQ Hopper Dredge for Mobile Harbor		CONTRACTOR Dutra Dredging Co.		REPORT NO.  118
DREDGE	NAME AND TYPE Columbia Hopper Dredge			DATE 11/25/2020	

**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	256+00 to 316+00	00:00	0	198	202
	Mobile Site 102 - SW	00:00	0	4	2,635
				0	0
2	256+00 to 316+00	03:22	55	221	511
	Mobile Site 102 - SW	04:25	8	4	2,635
				223	0
3	256+00 to 316+00	11:53	52	239	534
	Mobile Site 102 - SW	12:45	0	6	2,635
				237	0
4	256+00 to 316+00	20:47	0	0	193
	Mobile Site 102 - SW	20:47	0	0	0
				193	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 237 of 377	
CONTRACT NO. W9127820F0001 W9127820F0032		CONTRACT TITLE IDIQ Hopper Dredge for Mobile Harbor				CONTRACTOR Dutra Dredging Co.				REPORT NO. 119	
CHARACTER OF REPORT		<input checked="" type="checkbox"/> MAINTENANCE <input type="checkbox"/> NEW WORK						DATE 11/26/2020			
DREDGE Columbia Hopper Dredge		HOPPER CAP: 4387 CY			AVG VOL OF BIN WATER: 0 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		256+00 to 316+00			Mobile Site 102 - SW		7,905	810,400	
CHARACTER OF MATERIAL		DENSITY OF MATERIALS			1250			GMS/LITER		1250	
		DENSITY OF WATER			1006			GMS/LITER@		68 °F	
RIVER/TIDE STAGE		MIN 1.64		TIME 09:00		MAX 1.88		TIME 01:00		GAGE LOCATION	
		MIN 0.00		TIME 00:00		MAX 0.00		TIME 00:00		GAGE DATUM	
WEATHER CONDITION		WEATHER Weather Caused No Delay			TEMP 51 °F / 68 °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			16			EFFECTIVE WORKING TIME:			
AFT		10			15			PUMPING:	00:00	02:57	0.0
DRAG DEPTH		MAX 0			MIN 0			TURNING:	00:00	00:26	0.0
INDICATORS LAST CHECKED ON		08/14/2019						TO DUMP:	00:00	10:35	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			3,176			DISCONNECTING:	00:00	00:00	0.0
GALLONS OF WATER CONSUMED		GAL			561			TO CUT:	00:00	09:15	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	
4	7,905	Mobile Site 102 - SW		0		LOSS DUE TO TRAFFIC AND BRIDGES		00:00	00:35	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	00:35	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**

<b>CONTRACT NO.</b> W9127820F0001 W9127820F0032	<b>CONTRACT TITLE</b> IDIQ Hopper Dredge for Mobile Harbor	<b>CONTRACTOR</b> Dutra Dredging Co.	<b>REPORT NO.</b> 119
<b>DREDGE</b>	<b>NAME AND TYPE</b> Columbia Hopper Dredge	<b>DATE</b> 11/26/2020	

**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	256+00 to 316+00 Mobile Site 102 - SW	00:00 01:10	60 10	211 4 22	307 2,635 0
2	256+00 to 316+00 Mobile Site 102 - SW	05:42 06:50	58 10	210 4 208	490 2,635 0
3	256+00 to 316+00 Mobile Site 102 - SW	13:52 14:57	59 6	214 4 209	492 2,635 0
4	256+00 to 316+00 Mobile Site 102 - SW	22:04 22:04	0 0	0 0 116	116 0 0

**QC NARRATIVE(S)**

<b>CONTRACTOR CERTIFICATION</b>	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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<b>QC REPRESENTATIVE'S SIGNATURE</b>	<b>DATE</b>	<b>SUPERINTENDENT'S INITIALS</b>	<b>DATE</b>
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QUALITY CONTROL REPORT-HOPPER DREDGE										PAGE NO. Page 239 of 377				
CONTRACT NO. W9127820F0001 W9127820F0032		CONTRACT TITLE IDIQ Hopper Dredge for Mobile Harbor				CONTRACTOR Dutra Dredging Co.				REPORT NO. 120				
CHARACTER OF REPORT		<input checked="" type="checkbox"/> MAINTENANCE <input type="checkbox"/> NEW WORK						DATE 11/27/2020						
DREDGE  Columbia Hopper Dredge		HOPPER CAP: 4387 CY			AVG VOL OF BIN WATER: 0 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		256+00 to 316+00			Mobile Site 102 - SW		2,635		813,035			
CHARACTER OF MATERIAL		AVG LENGTH OF CUT			AVG WIDTH OF CUT			AVG DIST TO DUMP						
		6000 FT			400 FT			39 NM						
CHARACTER OF MATERIAL		DENSITY OF MATERIALS				1250		GMS/LITER		1250				
		DENSITY OF WATER				1006		GMS/LITER@		68 °F				
RIVER/TIDE STAGE		MIN 1.63		TIME 02:00		MAX 2.21		TIME 23:00		GAGE LOCATION				
		MIN 0.00		TIME 00:00		MAX 0.00		TIME 00:00		GAGE DATUM				
WEATHER CONDITION		WEATHER Weather Caused No Delay				TEMP 50 °F / 65 °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		16		EFFECTIVE WORKING TIME:								
AFT		10		15		PUMPING:		00:00		01:46		0.0		
DRAG DEPTH		MAX 0		MIN 0		TURNING:		00:00		00:10		0.0		
INDICATORS LAST CHECKED ON		08/14/2019				TO DUMP:		00:00		04:26		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		2,801		DISCONNECTING:		00:00		00:00		0.0		
GALLONS OF WATER CONSUMED		GAL		561		TO CUT:		00:00		05:20		0.0		
						TOTALS:		00:00		11:46		0.0		
WORK PERFORMED						NON-EFFECTIVE WORKING TIME:								
						TAKING ON FUEL AND SUPPLIES		00:00		05:12		0.0		
						TO AND FROM WHARF OR ANCHORAGE:		00:00		03:02		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 Site 102 - SW		0		LOSS DUE TO TRAFFIC AND BRIDGES		00:00		00:00	0.0	
								MINOR OPERATING REPAIRS		00:00		04:00		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		12:14		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

<b>QUALITY CONTROL REPORT-HOPPER DREDGE</b>				<b>PAGE NO.</b> Page 240 of 377	
<b>CONTRACT NO.</b> W9127820F0032	<b>CONTRACT TITLE</b> IDIQ Hopper Dredge for Mobile Harbor		<b>CONTRACTOR</b> Dutra Dredging Co.		<b>REPORT NO.</b> 120
<b>DREDGE</b>	<b>NAME AND TYPE</b> Columbia Hopper Dredge				<b>DATE</b> 11/27/2020

**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	256+00 to 316+00	00:00	55	235	389
	Mobile Site 102 - SW	00:55	0	4 95	2,635 0
2	256+00 to 316+00	06:29	51	31	317
	Mobile Site 102 - SW	07:30	10	0 225	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 241 of 377	
CONTRACT NO. W9127820F0001 W9127820F0032		CONTRACT TITLE IDIQ Hopper Dredge for Mobile Harbor				CONTRACTOR Dutra Dredging Co.				REPORT NO. 121	
CHARACTER OF REPORT		<input checked="" type="checkbox"/> MAINTENANCE <input type="checkbox"/> NEW WORK						DATE 11/28/2020			
DREDGE Columbia Hopper Dredge		HOPPER CAP: 4387 CY			AVG VOL OF BIN WATER: 0 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		256+00 to 316+00			Mobile Site 102 - SW		7,905		820,940
CHARACTER OF MATERIAL		DENSITY OF MATERIALS			1250			GMS/LITER		1250	
		DENSITY OF WATER			1006			GMS/LITER@		68 °F	
RIVER/TIDE STAGE		MIN 0.53		TIME 07:00		MAX 2.21		TIME 01:00		GAGE LOCATION	
		MIN 0.00		TIME 00:00		MAX 0.00		TIME 00:00		GAGE DATUM	
WEATHER CONDITION		WEATHER Weather Caused No Delay			TEMP 50 °F / 65 °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		16		EFFECTIVE WORKING TIME:					
AFT		10		15		PUMPING:		00:00		02:31 0.0	
DRAG DEPTH		MAX 0		MIN 0		TURNING:		00:00		00:00 0.0	
INDICATORS LAST CHECKED ON		08/14/2019				TO DUMP:		00:00		10:43 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		1,418		DISCONNECTING:		00:00		00:00 0.0	
GALLONS OF WATER CONSUMED		GAL		374		TO CUT:		00:00		10:34 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			
4		7,905		Mobile Site 102 - SW		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 00:00 0.0	
TOTALS						TOTALS		00:00		00:00 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	

<b>QUALITY CONTROL REPORT-HOPPER DREDGE</b>			<b>PAGE NO.</b>
			Page 242 of 377
<b>CONTRACT NO.</b> W9127820F0001 W9127820F0032	<b>CONTRACT TITLE</b> IDIQ Hopper Dredge for Mobile Harbor	<b>CONTRACTOR</b> Dutra Dredging Co.	<b>REPORT NO.</b>  121
<b>DREDGE</b>	<b>NAME AND TYPE</b> Columbia Hopper Dredge	<b>DATE</b> 11/28/2020	

**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	256+00 to 316+00	00:00	0	169	173
	Mobile Site 102 - SW	00:00	0	4	2,635
				0	0
2	256+00 to 316+00	02:53	55	231	517
	Mobile Site 102 - SW	03:48	0	4	2,635
				227	0
3	256+00 to 316+00	11:30	55	243	505
	Mobile Site 102 - SW	12:25	0	4	2,635
				203	0
4	256+00 to 316+00	19:55	41	0	245
	Mobile Site 102 - SW	20:36	0	0	0
				204	0

**QC NARRATIVE(S)**

<b>CONTRACTOR CERTIFICATION</b>	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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<b>QC REPRESENTATIVE'S SIGNATURE</b>	<b>DATE</b>	<b>SUPERINTENDENT'S INITIALS</b>	<b>DATE</b>

QUALITY CONTROL REPORT-HOPPER DREDGE										PAGE NO. Page 243 of 377	
CONTRACT NO. W9127820F0001 W9127820F0032		CONTRACT TITLE IDIQ Hopper Dredge for Mobile Harbor				CONTRACTOR Dutra Dredging Co.				REPORT NO. 122	
CHARACTER OF REPORT		<input checked="" type="checkbox"/> MAINTENANCE <input type="checkbox"/> NEW WORK						DATE 11/29/2020			
DREDGE Columbia Hopper Dredge		HOPPER CAP: 4387 CY			AVG VOL OF BIN WATER: 0 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		256+00 to 316+00			Mobile Site 102 - SW		5,270		826,210
CHARACTER OF MATERIAL		AVG LENGTH OF CUT			AVG WIDTH OF CUT			AVG DIST TO DUMP			
		6000 FT			400 FT			39 NM			
DENSITY OF MATERIALS		DENSITY OF MATERIALS			1250			GMS/LITER		1250	
		DENSITY OF WATER			1006			GMS/LITER@		68 °F	
RIVER/TIDE STAGE		MIN 0.45		TIME 08:00		MAX 2.64		TIME 18:00		GAGE LOCATION	
		MIN 0.00		TIME 00:00		MAX 0.00		TIME 00:00		GAGE DATUM	
WEATHER CONDITION		WEATHER Weather Caused Critical Delay			TEMP 50 °F / 65 °F		VISIBILITY 10 MI		WIND 35/NW MPH		
DRAFT						DISTRIBUTION OF TIME AND MILES RUN					
LIGHT		LOADED				AGITATING (MIN)		DREDGE & HAUL (MIN)		MILES RUN (NAUT MI)	
FORWARD		8		16		EFFECTIVE WORKING TIME:					
AFT		10		15		PUMPING:		00:00		02:09 0.0	
DRAG DEPTH		MAX 0		MIN 0		TURNING:		00:00		00:10 0.0	
INDICATORS LAST CHECKED ON		08/14/2019				TO DUMP:		00:00		10:26 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		00:34 0.0	
GALLONS OF FUEL OIL CONSUMED		GAL		2,882		DISCONNECTING:		00:00		00:00 0.0	
GALLONS OF WATER CONSUMED		GAL		748		TO CUT:		00:00		07:54 0.0	
TOTALS:						00:00		21:13		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		LOSS DUE TO NATURAL ELEMENTS:		00:00		02:12 0.0	
3		5,270		Mobile Site 102 - SW		LOSS DUE TO TRAFFIC AND BRIDGES		00:00		00:35 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		02:47		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**

<b>CONTRACT NO.</b> W9127820F0032	<b>CONTRACT TITLE</b> IDIQ Hopper Dredge for Mobile Harbor	<b>CONTRACTOR</b> Dutra Dredging Co.	<b>REPORT NO.</b> 122
<b>DREDGE</b>	<b>NAME AND TYPE</b> Columbia Hopper Dredge		<b>DATE</b> 11/29/2020

**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	256+00 to 316+00	00:00	12	223	239
	Mobile Site 102 - SW	00:12	0	4	2,635
				0	0
2	256+00 to 316+00	03:59	57	245	598
	Mobile Site 102 - SW	04:56	0	30	2,635
				266	0
3	256+00 to 316+00	13:57	60	158	436
	Mobile Site 102 - SW	15:07	10	0	0
				208	0

**QC NARRATIVE(S)**

<b>CONTRACTOR CERTIFICATION</b>	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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<b>QC REPRESENTATIVE'S SIGNATURE</b>	<b>DATE</b>	<b>SUPERINTENDENT'S INITIALS</b>	<b>DATE</b>
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QUALITY CONTROL REPORT-HOPPER DREDGE										PAGE NO. Page 245 of 377			
CONTRACT NO. W9127820F0001 W9127820F0032		CONTRACT TITLE IDIQ Hopper Dredge for Mobile Harbor				CONTRACTOR Dutra Dredging Co.				REPORT NO. 123			
CHARACTER OF REPORT		<input checked="" type="checkbox"/> MAINTENANCE <input type="checkbox"/> NEW WORK						DATE 11/30/2020					
DREDGE Columbia Hopper Dredge		HOPPER CAP: 4387 CY			AVG VOL OF BIN WATER: 0 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		256+00 to 316+00			Mobile Site 102 - SW		5,270		831,480		
CHARACTER OF MATERIAL		DENSITY OF MATERIALS			1250			GMS/LITER		1250			
		DENSITY OF WATER			1006			GMS/LITER@		68 °F			
RIVER/TIDE STAGE		MIN 0.45		TIME 08:00		MAX 2.84		TIME 14:00		GAGE LOCATION			
		MIN 0.00		TIME 00:00		MAX 0.00		TIME 00:00		GAGE DATUM			
WEATHER CONDITION		WEATHER Weather Caused Critical Delay			TEMP 40 °F / 60 °F		VISIBILITY 10 MI		WIND 35/NW MPH				
DRAFT						DISTRIBUTION OF TIME AND MILES RUN							
LIGHT		LOADED				AGITATING (MIN)		DREDGE & HAUL (MIN)		MILES RUN (NAUT MI)			
FORWARD		8		16		EFFECTIVE WORKING TIME:							
AFT		10		15		PUMPING:		00:00		00:25    0.0			
DRAG DEPTH		MAX 0		MIN 0		TURNING:		00:00		00:06    0.0			
INDICATORS LAST CHECKED ON		08/14/2019				TO DUMP:		00:00		04:38    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		00:18    0.0			
GALLONS OF FUEL OIL CONSUMED		GAL		2,312		DISCONNECTING:		00:00		00:00    0.0			
GALLONS OF WATER CONSUMED		GAL		748		TO CUT:		00:00		04:19    0.0			
WORK PERFORMED						TOTALS:		00:00		09:46    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			
3		5,270		Mobile Site 102 - SW		0		TO AND FROM WHARF OR ANCHORAGE:		00:00    00:00    0.0			
								LOSS DUE TO NATURAL ELEMENTS:		00:00    14:14    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    14:14    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.**  
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<b>CONTRACT NO.</b> W9127820F0001 W9127820F0032	<b>CONTRACT TITLE</b> IDIQ Hopper Dredge for Mobile Harbor	<b>CONTRACTOR</b> Dutra Dredging Co.	<b>REPORT NO.</b> 123
<b>DREDGE</b>	<b>NAME AND TYPE</b> Columbia Hopper Dredge		<b>DATE</b> 11/30/2020

**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	256+00 to 316+00	14:14	0	64	78
	Mobile Site 102 - SW	14:14	0	14	2,635
				0	0
2	256+00 to 316+00	15:32	25	214	460
	Mobile Site 102 - SW	16:03	6	4	2,635
				211	0
3	256+00 to 316+00	23:12	0	0	48
	Mobile Site 102 - SW	23:12	0	0	0
				48	0

**QC NARRATIVE(S)**

<b>CONTRACTOR CERTIFICATION</b>	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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<b>QC REPRESENTATIVE'S SIGNATURE</b>	<b>DATE</b>	<b>SUPERINTENDENT'S INITIALS</b>	<b>DATE</b>
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QUALITY CONTROL REPORT-HOPPER DREDGE										PAGE NO. Page 247 of 377	
CONTRACT NO. W9127820F0001 W9127820F0032		CONTRACT TITLE IDIQ Hopper Dredge for Mobile Harbor				CONTRACTOR Dutra Dredging Co.				REPORT NO. 124	
CHARACTER OF REPORT		<input checked="" type="checkbox"/> MAINTENANCE <input type="checkbox"/> NEW WORK						DATE 12/01/2020			
DREDGE Columbia Hopper Dredge		HOPPER CAP: 4387 CY			AVG VOL OF BIN WATER: 0 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		256+00 to 316+00			Mobile Site 102 - SW		4,730	836,210	
CHARACTER OF MATERIAL		DENSITY OF MATERIALS			1250			GMS/LITER		1250	
		DENSITY OF WATER			1006			GMS/LITER@		68 °F	
RIVER/TIDE STAGE		MIN 0.45		TIME 08:00		MAX 2.84		TIME 14:00		GAGE LOCATION	
		MIN 0.00		TIME 00:00		MAX 0.00		TIME 00:00		GAGE DATUM	
WEATHER CONDITION		WEATHER Weather Caused No Delay			TEMP 33 °F / 47 °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			16			EFFECTIVE WORKING TIME:			
AFT		10			15			PUMPING:	00:00	03:05	0.0
DRAG DEPTH		MAX 0			MIN 0			TURNING:	00:00	00:10	0.0
INDICATORS LAST CHECKED ON		08/14/2019						TO DUMP:	00:00	10:54	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			2,000			DISCONNECTING:	00:00	00:00	0.0
GALLONS OF WATER CONSUMED		GAL			748			TO CUT:	00:00	09:43	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	4,730	Mobile Site 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	
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 248 of 377

**CONTRACT NO.**  
W9127820F0001  
W9127820F0032

**CONTRACT TITLE**  
IDIQ Hopper Dredge for Mobile Harbor

**CONTRACTOR**  
Dutra Dredging Co.

**REPORT NO.**  
124

**DREDGE**

**NAME AND TYPE**  
Columbia Hopper Dredge

**DATE**  
12/01/2020

**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	256+00 to 316+00	00:00	63	224	465
	Mobile Site 102 - SW	01:03	0	4	2,365
				174	0
2	256+00 to 316+00	07:45	61	286	568
	Mobile Site 102 - SW	08:46	0	4	2,365
				217	0
3	316+00 to 376+00	17:13	61	144	407
	Mobile Site 102 - SW	18:24	10	0	0
				192	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 249 of 377	
CONTRACT NO. W9127820F0001 W9127820F0032		CONTRACT TITLE IDIQ Hopper Dredge for Mobile Harbor				CONTRACTOR Dutra Dredging Co.				REPORT NO. 125	
CHARACTER OF REPORT		<input checked="" type="checkbox"/> MAINTENANCE <input type="checkbox"/> NEW WORK						DATE 12/02/2020			
DREDGE  Columbia Hopper Dredge		HOPPER CAP: 4387 CY			AVG VOL OF BIN WATER: 0 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		316+00 to 376+00			Mobile Site 102 - SW		7,095		843,305
CHARACTER OF MATERIAL		AVG LENGTH OF CUT			AVG WIDTH OF CUT			AVG DIST TO DUMP			
		6000 FT			400 FT			39 NM			
DENSITY OF MATERIALS		DENSITY OF MATERIALS			1250			GMS/LITER		1250	
		DENSITY OF WATER			1006			GMS/LITER@		68 °F	
RIVER/TIDE STAGE		MIN 0.45		TIME 08:00		MAX 2.84		TIME 14:00		GAGE LOCATION	
		MIN 0.00		TIME 00:00		MAX 0.00		TIME 00:00		GAGE DATUM	
WEATHER CONDITION		WEATHER Weather Caused No Delay			TEMP 35 °F / 53 °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		16		EFFECTIVE WORKING TIME:					
AFT		10		15		PUMPING:		00:00		02:56 0.0	
DRAG DEPTH		MAX 0		MIN 0		TURNING:		00:00		00:00 0.0	
INDICATORS LAST CHECKED ON		08/14/2019				TO DUMP:		00:00		10:17 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		2,297		DISCONNECTING:		00:00		00:00 0.0	
GALLONS OF WATER CONSUMED		GAL		748		TO CUT:		00:00		10:35 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			
4		7,095		Mobile Site 102 - SW		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		00:00 0.0	
TOTALS						TOTALS		00:00		00:00 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	



QUALITY CONTROL REPORT-HOPPER DREDGE										PAGE NO. Page 251 of 377	
CONTRACT NO. W9127820F0001 W9127820F0032		CONTRACT TITLE IDIQ Hopper Dredge for Mobile Harbor				CONTRACTOR Dutra Dredging Co.				REPORT NO. 126	
CHARACTER OF REPORT		<input checked="" type="checkbox"/> MAINTENANCE <input type="checkbox"/> NEW WORK						DATE 12/03/2020			
DREDGE Columbia Hopper Dredge		HOPPER CAP: 4387 CY			AVG VOL OF BIN WATER: 0 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		316+00 to 376+00			Mobile Site 102 - SW		7,095		850,400
CHARACTER OF MATERIAL		DENSITY OF MATERIALS			1250			GMS/LITER		1250	
		DENSITY OF WATER			1006			GMS/LITER@		68 °F	
RIVER/TIDE STAGE		MIN 0.45		TIME 08:00		MAX 2.84		TIME 14:00		GAGE LOCATION	
		MIN 0.00		TIME 00:00		MAX 0.00		TIME 00:00		GAGE DATUM	
WEATHER CONDITION		WEATHER Weather Caused Critical Delay			TEMP 48 °F / 68 °F		VISIBILITY 10 MI		WIND 25/SE MPH		
DRAFT						DISTRIBUTION OF TIME AND MILES RUN					
LIGHT		LOADED				AGITATING (MIN)		DREDGE & HAUL (MIN)		MILES RUN (NAUT MI)	
FORWARD		8		16		EFFECTIVE WORKING TIME:					
AFT		10		15		PUMPING:		00:00		01:46 0.0	
DRAG DEPTH		MAX 0		MIN 0		TURNING:		00:00		00:05 0.0	
INDICATORS LAST CHECKED ON		08/14/2019				TO DUMP:		00:00		09:22 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		2,261		DISCONNECTING:		00:00		00:00 0.0	
GALLONS OF WATER CONSUMED		GAL		748		TO CUT:		00:00		08:49 0.0	
WORK PERFORMED						TOTALS:		00:00		20:14 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		7,095		Mobile Site 102 - SW		0		TO AND FROM WHARF OR ANCHORAGE:		00:00 00:00 0.0	
								LOSS DUE TO NATURAL ELEMENTS:		00:00 03:46 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 03:46 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 253 of 377			
CONTRACT NO. W9127820F0001 W9127820F0032		CONTRACT TITLE IDIQ Hopper Dredge for Mobile Harbor				CONTRACTOR Dutra Dredging Co.				REPORT NO. 127			
CHARACTER OF REPORT		<input checked="" type="checkbox"/> MAINTENANCE <input type="checkbox"/> NEW WORK						DATE 12/04/2020					
DREDGE  Columbia Hopper Dredge		HOPPER CAP: 4387 CY			AVG VOL OF BIN WATER: 0 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		316+00 to 376+00			Mobile Site 102 - SW		4,730		855,130		
CHARACTER OF MATERIAL		AVG LENGTH OF CUT			AVG WIDTH OF CUT			AVG DIST TO DUMP					
		6000 FT			400 FT			39 NM					
CHARACTER OF MATERIAL		DENSITY OF MATERIALS				1250		GMS/LITER		1250			
		DENSITY OF WATER				1006		GMS/LITER@		68 °F			
RIVER/TIDE STAGE		MIN 0.45		TIME 08:00		MAX 2.84		TIME 14:00		GAGE LOCATION			
		MIN 0.00		TIME 00:00		MAX 0.00		TIME 00:00		GAGE DATUM			
WEATHER CONDITION		WEATHER Weather Caused Critical Delay				TEMP 42 °F / 55 °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		16		EFFECTIVE WORKING TIME:							
AFT		10		15		PUMPING:		00:00		01:53		0.0	
DRAG DEPTH		MAX 0		MIN 0		TURNING:		00:00		00:00		0.0	
INDICATORS LAST CHECKED ON		08/14/2019				TO DUMP:		00:00		07:44		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		3,581		DISCONNECTING:		00:00		00:00		0.0	
GALLONS OF WATER CONSUMED		GAL		748		TO CUT:		00:00		06:35		0.0	
						TOTALS:		00:00		16:20		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		07:40	0.0
3		4,730		Mobile Site 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
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		07:40	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 255 of 377	
CONTRACT NO. W9127820F0001 W9127820F0032		CONTRACT TITLE IDIQ Hopper Dredge for Mobile Harbor				CONTRACTOR Dutra Dredging Co.				REPORT NO. 128	
CHARACTER OF REPORT		<input checked="" type="checkbox"/> MAINTENANCE <input type="checkbox"/> NEW WORK						DATE 12/05/2020			
DREDGE Columbia Hopper Dredge		HOPPER CAP: 4387 CY			AVG VOL OF BIN WATER: 0 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		316+00 to 376+00			Mobile Site 102 - SW		4,730	859,860	
CHARACTER OF MATERIAL		AVG LENGTH OF CUT			AVG WIDTH OF CUT			AVG DIST TO DUMP			
		6000 FT			400 FT			39 NM			
DENSITY OF MATERIALS		DENSITY OF MATERIALS			1250			GMS/LITER		1250	
		DENSITY OF WATER			1006			GMS/LITER@		68 °F	
RIVER/TIDE STAGE		MIN 0.45		TIME 08:00		MAX 2.84		TIME 14:00		GAGE LOCATION	
		MIN 0.00		TIME 00:00		MAX 0.00		TIME 00:00		GAGE DATUM	
WEATHER CONDITION		WEATHER Weather Caused No Delay			TEMP 41 °F / 57 °F		VISIBILITY 10 MI		WIND 15/NE MPH		
DRAFT					DISTRIBUTION OF TIME AND MILES RUN						
LIGHT		LOADED					AGITATING (MIN)	DREDGE & HAUL (MIN)	MILES RUN (NAUT MI)		
FORWARD		8			16			EFFECTIVE WORKING TIME:			
AFT		10			15			PUMPING:	00:00	03:01	0.0
DRAG DEPTH		MAX 0			MIN 0			TURNING:	00:00	00:00	0.0
INDICATORS LAST CHECKED ON		08/14/2019						TO DUMP:	00:00	09:36	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	00:08	0.0
GALLONS OF FUEL OIL CONSUMED		GAL			1,809			DISCONNECTING:	00:00	00:00	0.0
GALLONS OF WATER CONSUMED		GAL			748			TO CUT:	00:00	11:15	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	4,730	Mobile Site 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		
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 256 of 377

**CONTRACT NO.**  
W9127820F0001  
W9127820F0032

**CONTRACT TITLE**  
IDIQ Hopper Dredge for Mobile Harbor

**CONTRACTOR**  
Dutra Dredging Co.

**REPORT NO.**  
128

**DREDGE**

**NAME AND TYPE**  
Columbia Hopper Dredge

**DATE**  
12/05/2020

**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	316+00 to 376+00	00:00	60	210	501
	Mobile Site 102 - SW	01:00	0	4 227	2,365 0
2	316+00 to 376+00	08:21	61	237	528
	Mobile Site 102 - SW	09:22	0	4 226	2,365 0
3	316+00 to 376+00	17:09	60	129	411
	Mobile Site 102 - SW	18:09	0	0 222	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 257 of 377	
CONTRACT NO. W9127820F0001 W9127820F0032		CONTRACT TITLE IDIQ Hopper Dredge for Mobile Harbor				CONTRACTOR Dutra Dredging Co.				REPORT NO. 129	
CHARACTER OF REPORT		<input checked="" type="checkbox"/> MAINTENANCE <input type="checkbox"/> NEW WORK						DATE 12/06/2020			
DREDGE  Columbia Hopper Dredge		HOPPER CAP: 4387 CY			AVG VOL OF BIN WATER: 0 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		316+00 to 376+00			Mobile Site 102 - SW		7,095	866,955	
CHARACTER OF MATERIAL		DENSITY OF MATERIALS			1250			GMS/LITER		1250	
		DENSITY OF WATER			1006			GMS/LITER@		68 °F	
RIVER/TIDE STAGE		MIN 0.45		TIME 08:00		MAX 2.84		TIME 14:00		GAGE LOCATION	
		MIN 0.00		TIME 00:00		MAX 0.00		TIME 00:00		GAGE DATUM	
WEATHER CONDITION		WEATHER Weather Caused No Delay			TEMP 50 °F / 62 °F		VISIBILITY 10 MI		WIND 15/NE MPH		
DRAFT					DISTRIBUTION OF TIME AND MILES RUN						
LIGHT		LOADED					AGITATING (MIN)	DREDGE & HAUL (MIN)	MILES RUN (NAUT MI)		
FORWARD		8			16			EFFECTIVE WORKING TIME:			
AFT		10			15			PUMPING:	00:00	02:14	0.0
DRAG DEPTH		MAX 0			MIN 0			TURNING:	00:00	00:00	0.0
INDICATORS LAST CHECKED ON		08/14/2019						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			2,041			DISCONNECTING:	00:00	00:00	0.0
GALLONS OF WATER CONSUMED		GAL			748			TO CUT:	00:00	10:33	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	
4	7,095	Mobile Site 102 - SW		0		LOSS DUE TO TRAFFIC AND BRIDGES		00:00	00:23	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	00:23	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		

<b>QUALITY CONTROL REPORT-HOPPER DREDGE</b>				<b>PAGE NO.</b> Page 258 of 377	
<b>CONTRACT NO.</b> W9127820F0001 W9127820F0032		<b>CONTRACT TITLE</b> IDIQ Hopper Dredge for Mobile Harbor		<b>CONTRACTOR</b> Dutra Dredging Co.	
<b>DREDGE</b>		<b>NAME AND TYPE</b> Columbia Hopper Dredge		<b>REPORT NO.</b> 129	
				<b>DATE</b> 12/06/2020	

**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	316+00 to 376+00	00:00	0	93	97
	Mobile Site 102 - SW	00:00	0	4 0	2,365 0
2	316+00 to 376+00	01:37	23	202	439
	Mobile Site 102 - SW	02:00	0	4 210	2,365 0
3	316+00 to 376+00	08:56	45	227	505
	Mobile Site 102 - SW	09:41	0	4 229	2,365 0
4	316+00 to 376+00	17:21	66	116	376
	Mobile Site 102 - SW	18:27	0	0 194	0 0

**QC NARRATIVE(S)**

<b>CONTRACTOR CERTIFICATION</b>	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.		
<b>QC REPRESENTATIVE'S SIGNATURE</b>	<b>DATE</b>	<b>SUPERINTENDENT'S INITIALS</b>	<b>DATE</b>

QUALITY CONTROL REPORT-HOPPER DREDGE										PAGE NO. Page 259 of 377	
CONTRACT NO. W9127820F0001 W9127820F0032		CONTRACT TITLE IDIQ Hopper Dredge for Mobile Harbor				CONTRACTOR Dutra Dredging Co.				REPORT NO. 130	
CHARACTER OF REPORT		<input checked="" type="checkbox"/> MAINTENANCE <input type="checkbox"/> NEW WORK						DATE 12/07/2020			
DREDGE Columbia Hopper Dredge		HOPPER CAP: 4387 CY			AVG VOL OF BIN WATER: 0 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		316+00 to 376+00			Mobile Site 102 - SW		7,095		874,050
CHARACTER OF MATERIAL		DENSITY OF MATERIALS			1250			GMS/LITER		1250	
		DENSITY OF WATER			1006			GMS/LITER@		60 °F	
RIVER/TIDE STAGE		MIN 0.45		TIME 08:00		MAX 2.84		TIME 14:00		GAGE LOCATION	
		MIN 0.00		TIME 00:00		MAX 0.00		TIME 00:00		GAGE DATUM	
WEATHER CONDITION		WEATHER Weather Caused No Delay			TEMP 46 °F / 55 °F		VISIBILITY 10 MI		WIND 15/NE MPH		
DRAFT						DISTRIBUTION OF TIME AND MILES RUN					
LIGHT		LOADED				AGITATING (MIN)		DREDGE & HAUL (MIN)		MILES RUN (NAUT MI)	
FORWARD		8		16		EFFECTIVE WORKING TIME:					
AFT		10		15		PUMPING:		00:00		02:50 0.0	
DRAG DEPTH		MAX 0		MIN 0		TURNING:		00:00		00:08 0.0	
INDICATORS LAST CHECKED ON		08/14/2019				TO DUMP:		00:00		10:14 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		2,748		DISCONNECTING:		00:00		00:00 0.0	
GALLONS OF WATER CONSUMED		GAL		748		TO CUT:		00:00		10:36 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			
4		7,095		Mobile Site 102 - SW		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 00:00 0.0	
TOTALS						TOTALS		00:00		00:00 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	

<b>QUALITY CONTROL REPORT-HOPPER DREDGE</b>				<b>PAGE NO.</b> Page 260 of 377	
<b>CONTRACT NO.</b> W9127820F0001 W9127820F0032		<b>CONTRACT TITLE</b> IDIQ Hopper Dredge for Mobile Harbor		<b>CONTRACTOR</b> Dutra Dredging Co.	
<b>DREDGE</b>		<b>NAME AND TYPE</b> Columbia Hopper Dredge			
				<b>REPORT NO.</b> 130	
				<b>DATE</b> 12/07/2020	

**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	316+00 to 376+00 Mobile Site 102 - SW	00:00 00:00	0 0	115 4 0	119 2,365 0
2	316+00 to 376+00 Mobile Site 102 - SW	01:59 02:54	47 8	205 4 216	480 2,365 0
3	316+00 to 376+00 Mobile Site 102 - SW	09:59 10:48	49 0	234 4 227	514 2,365 0
4	316+00 to 376+00 Mobile Site 102 - SW	18:33 19:47	74 0	60 0 193	327 0 0

**QC NARRATIVE(S)**

<b>CONTRACTOR CERTIFICATION</b>				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.	
<b>QC REPRESENTATIVE'S SIGNATURE</b>		<b>DATE</b>	<b>SUPERINTENDENT'S INITIALS</b>	<b>DATE</b>	

QUALITY CONTROL REPORT-HOPPER DREDGE										PAGE NO. Page 261 of 377	
CONTRACT NO. W9127820F0001 W9127820F0032		CONTRACT TITLE IDIQ Hopper Dredge for Mobile Harbor				CONTRACTOR Dutra Dredging Co.				REPORT NO. 131	
CHARACTER OF REPORT		<input checked="" type="checkbox"/> MAINTENANCE <input type="checkbox"/> NEW WORK						DATE 12/08/2020			
DREDGE Columbia Hopper Dredge		HOPPER CAP: 4387 CY			AVG VOL OF BIN WATER: 0 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		316+00 to 376+00			Mobile Site 102 - SW		7,095		881,145
CHARACTER OF MATERIAL		DENSITY OF MATERIALS			1250			GMS/LITER		1250	
		DENSITY OF WATER			1006			GMS/LITER@		60 °F	
RIVER/TIDE STAGE		MIN 0.45		TIME 08:00		MAX 2.84		TIME 14:00		GAGE LOCATION	
		MIN 0.00		TIME 00:00		MAX 0.00		TIME 00:00		GAGE DATUM	
WEATHER CONDITION		WEATHER Weather Caused No Delay			TEMP 38 °F / 57 °F		VISIBILITY 10 MI		WIND 10/NE MPH		
DRAFT						DISTRIBUTION OF TIME AND MILES RUN					
LIGHT		LOADED				AGITATING (MIN)		DREDGE & HAUL (MIN)		MILES RUN (NAUT MI)	
FORWARD		8		16		EFFECTIVE WORKING TIME:					
AFT		10		15		PUMPING:		00:00		02:43 0.0	
DRAG DEPTH		MAX 0		MIN 0		TURNING:		00:00		00:00 0.0	
INDICATORS LAST CHECKED ON		08/14/2019				TO DUMP:		00:00		10:52 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		2,276		DISCONNECTING:		00:00		00:00 0.0	
GALLONS OF WATER CONSUMED		GAL		748		TO CUT:		00:00		10:13 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			
4		7,095		Mobile Site 102 - SW		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 00:00 0.0	
TOTALS						TOTALS		00:00		00:00 0.0	
LOST TIME:						MAJOR REPAIRS AND ALTERNATIONS		00:00		00:00 0.0	
MAJOR REPAIRS AND ALTERNATIONS						CESSATION:		00:00		00:00 0.0	
CESSATION:						COLLISIONS:		00:00		00:00 0.0	
COLLISIONS:						TOTALS:		00:00		00:00 0.0	
TOTALS:						TOTAL TIME/MILES:		00:00		24:00 0.0	
TOTAL TIME/MILES:											

**QUALITY CONTROL REPORT-HOPPER DREDGE**

<b>CONTRACT NO.</b> W9127820F0001 W9127820F0032	<b>CONTRACT TITLE</b> IDIQ Hopper Dredge for Mobile Harbor	<b>CONTRACTOR</b> Dutra Dredging Co.	<b>REPORT NO.</b> 131
<b>DREDGE</b>	<b>NAME AND TYPE</b> Columbia Hopper Dredge		<b>DATE</b> 12/08/2020

**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	316+00 to 376+00 Mobile Site 102 - SW	00:00 00:00	0 0	175 4 0	179 2,365 0
2	316+00 to 376+00 Mobile Site 102 - SW	02:59 04:02	63 0	248 4 213	528 2,365 0
3	316+00 to 376+00 Mobile Site 102 - SW	11:47 12:47	60 0	229 4 200	493 2,365 0
4	316+00 to 376+00 Mobile Site 102 - SW	20:00 20:40	40 0	0 0 200	240 0 0

**QC NARRATIVE(S)**

<b>CONTRACTOR CERTIFICATION</b>	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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<b>QC REPRESENTATIVE'S SIGNATURE</b>	<b>DATE</b>	<b>SUPERINTENDENT'S INITIALS</b>	<b>DATE</b>
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QUALITY CONTROL REPORT-HOPPER DREDGE										PAGE NO. Page 263 of 377			
CONTRACT NO. W9127820F0001 W9127820F0032		CONTRACT TITLE IDIQ Hopper Dredge for Mobile Harbor				CONTRACTOR Dutra Dredging Co.				REPORT NO. 132			
CHARACTER OF REPORT		<input checked="" type="checkbox"/> MAINTENANCE <input type="checkbox"/> NEW WORK						DATE 12/09/2020					
DREDGE Columbia Hopper Dredge		HOPPER CAP: 4387 CY			AVG VOL OF BIN WATER: 0 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			316+00 to 376+00 and 267+73 to 300+00			Mobile Site 102 - SW		7,095		888,240	
CHARACTER OF MATERIAL		AVG LENGTH OF CUT			AVG WIDTH OF CUT			AVG DIST TO DUMP		39 NM			
		6000 FT			400 FT								
RIVER/TIDE STAGE		DENSITY OF MATERIALS			1250			GMS/LITER		1250			
		DENSITY OF WATER			1006			GMS/LITER@		60 °F			
WEATHER CONDITION		MIN 0.45			TIME 08:00			MAX 2.84		TIME 14:00		GAGE LOCATION	
		MIN 0.00			TIME 00:00			MAX 0.00		TIME 00:00		GAGE DATUM	
WEATHER		Weather Caused No Delay			TEMP		48 °F / 64 °F		VISIBILITY		10 MI		
WIND									10/NE MPH				
DRAFT						DISTRIBUTION OF TIME AND MILES RUN							
LIGHT		LOADED						AGITATING (MIN)		DREDGE & HAUL (MIN)		MILES RUN (NAUT MI)	
FORWARD		8		16		EFFECTIVE WORKING TIME:							
AFT		10		15		PUMPING:		00:00		02:27		0.0	
DRAG DEPTH		MAX 0		MIN 0		TURNING:		00:00		00:00		0.0	
INDICATORS LAST CHECKED ON		08/14/2019				TO DUMP:		00:00		11:01		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		2,447		DISCONNECTING:		00:00		00:00		0.0	
GALLONS OF WATER CONSUMED		GAL		748		TO CUT:		00:00		10:20		0.0	
						TOTALS:		00:00		24:00		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
4		7,095		Mobile Site 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
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 265 of 377			
CONTRACT NO. W9127820F0001 W9127820F0032		CONTRACT TITLE IDIQ Hopper Dredge for Mobile Harbor				CONTRACTOR Dutra Dredging Co.				REPORT NO. 133			
CHARACTER OF REPORT		<input checked="" type="checkbox"/> MAINTENANCE <input type="checkbox"/> NEW WORK						DATE 12/10/2020					
DREDGE  Columbia Hopper Dredge		HOPPER CAP: 4387 CY			AVG VOL OF BIN WATER: 0 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		267+73 to 300+00			Mobile Site 102 - SW		7,095		895,335		
CHARACTER OF MATERIAL		DENSITY OF MATERIALS			1250			GMS/LITER		1250			
		DENSITY OF WATER			1006			GMS/LITER@		60 °F			
RIVER/TIDE STAGE		MIN 0.45		TIME 08:00		MAX 2.84		TIME 14:00		GAGE LOCATION			
		MIN 0.00		TIME 00:00		MAX 0.00		TIME 00:00		GAGE DATUM			
WEATHER CONDITION		WEATHER Weather Caused No Delay			TEMP 52 °F / 66 °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		16		EFFECTIVE WORKING TIME:							
AFT		10		15		PUMPING:		00:00		01:17	0.0		
DRAG DEPTH		MAX 0		MIN 0		TURNING:		00:00		00:00		0.0	
INDICATORS LAST CHECKED ON		08/14/2019				TO DUMP:		00:00		11:25		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		00:12		0.0	
GALLONS OF FUEL OIL CONSUMED		GAL		2,459		DISCONNECTING:		00:00		00:00		0.0	
GALLONS OF WATER CONSUMED		GAL		748		TO CUT:		00:00		11:06		0.0	
NON-EFFECTIVE WORKING TIME:						TOTALS:		00:00		24:00		0.0	
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		0.0	
4		7,095		Mobile Site 102 - SW		0		LOSS DUE TO TRAFFIC AND BRIDGES		00:00		0.0	
								MINOR OPERATING REPAIRS		00:00		0.0	
								TRANSFERRING BETWEEN WORKS		00:00		0.0	
								LAY TIME:		00:00		0.0	
								FIRE AND BOAT DRILLS:		00:00		0.0	
								MISCELLANEOUS		00:00		0.0	
								TOTALS		00:00		0.0	
ATTENDANT PLANT						LOST TIME:							
ITEM		NAME OR NUMBER		H.P.		HOURS		MAJOR REPAIRS AND ALTERNATIONS		00:00		0.0	
Crew Boat		Cape Anne		400		24:00		CESSATION:		00:00		0.0	
								COLLISIONS:		00:00		0.0	
								TOTALS:		00:00		0.0	
								TOTAL TIME/MILES:		00:00		24:00	0.0

**QUALITY CONTROL REPORT-HOPPER DREDGE**

<b>CONTRACT NO.</b> W9127820F0001 W9127820F0032	<b>CONTRACT TITLE</b> IDIQ Hopper Dredge for Mobile Harbor	<b>REPORT NO.</b> 133
<b>DREDGE</b>	<b>CONTRACTOR</b> Dutra Dredging Co.	<b>DATE</b> 12/10/2020

**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	267+73 to 300+00 Mobile Site 102 - SW	00:00 00:08	8 0	222 4 0	234 2,365 0
2	267+73 to 300+00 Mobile Site 102 - SW	03:54 04:26	32 0	228 4 229	493 2,365 0
3	267+73 to 300+00 Mobile Site 102 - SW	12:07 12:38	31 0	235 4 221	491 2,365 0
4	267+73 to 300+00 Mobile Site 102 - SW	20:18 20:24	6 0	0 0 216	222 0 0

**QC NARRATIVE(S)**

<b>CONTRACTOR CERTIFICATION</b>	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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<b>QC REPRESENTATIVE'S SIGNATURE</b>	<b>DATE</b>	<b>SUPERINTENDENT'S INITIALS</b>	<b>DATE</b>
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QUALITY CONTROL REPORT-HOPPER DREDGE										PAGE NO. Page 267 of 377				
CONTRACT NO. W9127820F0001 W9127820F0032		CONTRACT TITLE IDIQ Hopper Dredge for Mobile Harbor				CONTRACTOR Dutra Dredging Co.				REPORT NO. 134				
CHARACTER OF REPORT		<input checked="" type="checkbox"/> MAINTENANCE <input type="checkbox"/> NEW WORK						DATE 12/11/2020						
DREDGE Columbia Hopper Dredge		HOPPER CAP: 4387 CY			AVG VOL OF BIN WATER: 0 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		267+73 to 300+00			Mobile Site 102 - SW		7,095		902,430			
CHARACTER OF MATERIAL		DENSITY OF MATERIALS			1250			GMS/LITER		1250				
		DENSITY OF WATER			1006			GMS/LITER@		60 °F				
RIVER/TIDE STAGE		MIN 0.45		TIME 08:00		MAX 2.84		TIME 14:00		GAGE LOCATION				
		MIN 0.00		TIME 00:00		MAX 0.00		TIME 00:00		GAGE DATUM				
WEATHER CONDITION		WEATHER Weather Caused No Delay			TEMP 55 °F / 64 °F		VISIBILITY 10 MI		WIND 10/S MPH					
DRAFT						DISTRIBUTION OF TIME AND MILES RUN								
LIGHT		LOADED				AGITATING (MIN)		DREDGE & HAUL (MIN)		MILES RUN (NAUT MI)				
FORWARD		8		16		EFFECTIVE WORKING TIME:								
AFT		10		15		PUMPING:		00:00		01:42	0.0			
DRAG DEPTH		MAX 0		MIN 0		TURNING:		00:00		00:00		0.0		
INDICATORS LAST CHECKED ON		08/14/2019				TO DUMP:		00:00		11:19		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		2,500		DISCONNECTING:		00:00		00:00		0.0		
GALLONS OF WATER CONSUMED		GAL		748		TO CUT:		00:00		09:10		0.0		
WORK PERFORMED						TOTALS:		00:00		22:23		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		7,095		Mobile Site 102 - SW		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		01:09		0.0
								MINOR OPERATING REPAIRS		00:00		00:28		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		01:37		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 269 of 377	
CONTRACT NO. W9127820F0001 W9127820F0032		CONTRACT TITLE IDIQ Hopper Dredge for Mobile Harbor				CONTRACTOR Dutra Dredging Co.				REPORT NO. 135	
CHARACTER OF REPORT		<input checked="" type="checkbox"/> MAINTENANCE <input type="checkbox"/> NEW WORK						DATE 12/12/2020			
DREDGE  Columbia Hopper Dredge		HOPPER CAP: 4387 CY			AVG VOL OF BIN WATER: 0 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		267+73 to 300+00			Mobile Site 102 - SW		4,730		907,160
CHARACTER OF MATERIAL		AVG LENGTH OF CUT			AVG WIDTH OF CUT			AVG DIST TO DUMP			
		6000 FT			400 FT			39 NM			
DENSITY OF MATERIALS		DENSITY OF MATERIALS			1250			GMS/LITER		1250	
		DENSITY OF WATER			1006			GMS/LITER@		60 °F	
RIVER/TIDE STAGE		MIN 0.45		TIME 08:00		MAX 2.84		TIME 14:00		GAGE LOCATION	
		MIN 0.00		TIME 00:00		MAX 0.00		TIME 00:00		GAGE DATUM	
WEATHER CONDITION		WEATHER Weather Caused No Delay			TEMP 62 °F / 66 °F		VISIBILITY 10 MI		WIND 10/S MPH		
DRAFT						DISTRIBUTION OF TIME AND MILES RUN					
LIGHT		LOADED				AGITATING (MIN)		DREDGE & HAUL (MIN)		MILES RUN (NAUT MI)	
FORWARD		8		16		EFFECTIVE WORKING TIME:					
AFT		10		15		PUMPING:		00:00		02:34 0.0	
DRAG DEPTH		MAX 0		MIN 0		TURNING:		00:00		00:10 0.0	
INDICATORS LAST CHECKED ON		08/14/2019				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		00:08 0.0	
GALLONS OF FUEL OIL CONSUMED		GAL		2,321		DISCONNECTING:		00:00		00:00 0.0	
GALLONS OF WATER CONSUMED		GAL		748		TO CUT:		00:00		09:21 0.0	
WORK PERFORMED						TOTALS:		00:00		23:10 0.0	
DREDGING AND HAULING						NON-EFFECTIVE WORKING TIME:					
NO. OF LOADS		TOTAL CYS		DISPOSAL AREA		TOTAL CYS		TAKING ON FUEL AND SUPPLIES			
3		4,730		Mobile Site 102 - SW		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		00:35 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		00:15 0.0	
TOTALS						TOTALS		00:00		00:50 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	

QUALITY CONTROL REPORT-HOPPER DREDGE

CONTRACT NO. W9127820F0032

CONTRACT TITLE IDIQ Hopper Dredge for Mobile Harbor

CONTRACTOR Dutra Dredging Co.

REPORT NO. 135

DREDGE

NAME AND TYPE Columbia Hopper Dredge

DATE 12/12/2020

LOADS

Table with 6 columns: 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). Rows 1-3 show data for Mobile Site 102 - SW.

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 271 of 377			
CONTRACT NO. W9127820F0001 W9127820F0032		CONTRACT TITLE IDIQ Hopper Dredge for Mobile Harbor				CONTRACTOR Dutra Dredging Co.				REPORT NO. 136			
CHARACTER OF REPORT		<input checked="" type="checkbox"/> MAINTENANCE <input type="checkbox"/> NEW WORK						DATE 12/13/2020					
DREDGE Columbia Hopper Dredge		HOPPER CAP: 4387 CY			AVG VOL OF BIN WATER: 0 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		267+73 to 300+00			Mobile Site 102 - SW		7,095		914,255		
CHARACTER OF MATERIAL		AVG LENGTH OF CUT			AVG WIDTH OF CUT			AVG DIST TO DUMP		39 NM			
		DENSITY OF MATERIALS				1250				GMS/LITER		1250	
RIVER/TIDE STAGE		DENSITY OF WATER			1006				GMS/LITER@		60 °F		
		MIN 0.45		TIME 08:00		MAX 2.84		TIME 14:00		GAGE LOCATION			
WEATHER CONDITION		MIN 0.00		TIME 00:00		MAX 0.00		TIME 00:00		GAGE DATUM			
		WEATHER Weather Caused No Delay			TEMP 60 °F / 66 °F		VISIBILITY 10 MI		WIND 10/S MPH				
DRAFT						DISTRIBUTION OF TIME AND MILES RUN							
LIGHT		LOADED				AGITATING (MIN)		DREDGE & HAUL (MIN)		MILES RUN (NAUT MI)			
FORWARD		8		16		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 08/14/2019						TO DUMP:		00:00		09:47		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		00:12		0.0	
GALLONS OF FUEL OIL CONSUMED		GAL		3,044		DISCONNECTING:		00:00		00:00		0.0	
GALLONS OF WATER CONSUMED		GAL		748		TO CUT:		00:00		11:32		0.0	
NON-EFFECTIVE WORKING TIME:						TOTALS:		00:00		24:00		0.0	
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		0.0	
4		7,095		Mobile Site 102 - SW		0		LOSS DUE TO TRAFFIC AND BRIDGES		00:00		0.0	
								MINOR OPERATING REPAIRS		00:00		0.0	
								TRANSFERRING BETWEEN WORKS		00:00		0.0	
								LAY TIME:		00:00		0.0	
								FIRE AND BOAT DRILLS:		00:00		0.0	
								MISCELLANEOUS		00:00		0.0	
								TOTALS		00:00		0.0	
ATTENDANT PLANT						LOST TIME:							
ITEM		NAME OR NUMBER		H.P.		HOURS		MAJOR REPAIRS AND ALTERNATIONS		00:00		0.0	
Crew Boat		Cape Anne		400		24:00		CESSATION:		00:00		0.0	
								COLLISIONS:		00:00		0.0	
								TOTALS:		00:00		0.0	
								TOTAL TIME/MILES:		00:00		24:00	0.0

<b>QUALITY CONTROL REPORT-HOPPER DREDGE</b>		<b>PAGE NO.</b> Page 272 of 377
<b>CONTRACT NO.</b> W9127820F0032	<b>CONTRACT TITLE</b> IDIQ Hopper Dredge for Mobile Harbor	<b>CONTRACTOR</b> Dutra Dredging Co.
<b>DREDGE</b>	<b>NAME AND TYPE</b> Columbia Hopper Dredge	<b>REPORT NO.</b> 136
		<b>DATE</b> 12/13/2020

**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	267+73 to 300+00	00:00	0	27	31
	Mobile Site 102 - SW	00:00	0	4	2,365
				0	0
2	267+73 to 300+00	00:31	50	235	530
	Mobile Site 102 - SW	01:21	0	4	2,365
				241	0
3	267+73 to 300+00	09:21	44	245	521
	Mobile Site 102 - SW	10:05	0	4	2,365
				228	0
4	267+73 to 300+00	18:02	55	80	358
	Mobile Site 102 - SW	18:57	0	0	0
				223	0

**QC NARRATIVE(S)**

<b>CONTRACTOR CERTIFICATION</b>	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.		
<b>QC REPRESENTATIVE'S SIGNATURE</b>	<b>DATE</b>	<b>SUPERINTENDENT'S INITIALS</b>	<b>DATE</b>



QUALITY CONTROL REPORT-HOPPER DREDGE										PAGE NO. Page 273 of 377				
CONTRACT NO. W9127820F0001 W9127820F0032		CONTRACT TITLE IDIQ Hopper Dredge for Mobile Harbor				CONTRACTOR Dutra Dredging Co.				REPORT NO. 137				
CHARACTER OF REPORT		<input checked="" type="checkbox"/> MAINTENANCE <input type="checkbox"/> NEW WORK						DATE 12/14/2020						
DREDGE Columbia Hopper Dredge		HOPPER CAP: 4387 CY			AVG VOL OF BIN WATER: 0 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		256+95 to 376+00			Mobile Site 102 - SW		7,095		921,350			
CHARACTER OF MATERIAL		AVG LENGTH OF CUT			AVG WIDTH OF CUT			AVG DIST TO DUMP						
		4500 FT			400 FT			39 NM						
DENSITY OF MATERIALS		DENSITY OF MATERIALS			1250			GMS/LITER		1250				
		DENSITY OF WATER			1006			GMS/LITER@		60 °F				
RIVER/TIDE STAGE		MIN 0.45		TIME 08:00		MAX 2.84		TIME 14:00		GAGE LOCATION				
		MIN 0.00		TIME 00:00		MAX 0.00		TIME 00:00		GAGE DATUM				
WEATHER CONDITION		WEATHER Weather Caused No Delay			TEMP 51 °F / 68 °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		16		EFFECTIVE WORKING TIME:								
AFT		10		15		PUMPING:		00:00		02:41		0.0		
DRAG DEPTH		MAX 0		MIN 0		TURNING:		00:00		00:00		0.0		
INDICATORS LAST CHECKED ON		08/14/2019				TO DUMP:		00:00		09:49		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		2,042		DISCONNECTING:		00:00		00:00		0.0		
GALLONS OF WATER CONSUMED		GAL		748		TO CUT:		00:00		11:18		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		7,095		Mobile Site 102 - SW		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
ATTENDANT PLANT						LOST TIME:								
ITEM		NAME OR NUMBER		H.P.		HOURS		MAJOR REPAIRS AND ALTERNATIONS		00:00		00:00		0.0
Crew Boat		Cape Anne		400		24:00		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**

<b>CONTRACT NO.</b> W9127820F0001 W9127820F0032	<b>CONTRACT TITLE</b> IDIQ Hopper Dredge for Mobile Harbor	<b>CONTRACTOR</b> Dutra Dredging Co.	<b>REPORT NO.</b> 137
<b>DREDGE</b>	<b>NAME AND TYPE</b> Columbia Hopper Dredge		<b>DATE</b> 12/14/2020

**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	267+73 to 300+00	00:00	0	139	143
	Mobile Site 102 - SW	00:00	0	4	2,365
				0	0
2	316+00 to 376+00	02:23	57	203	517
	Mobile Site 102 - SW	03:20	0	4	2,365
				253	0
3	256+95 to 300+00	11:00	59	247	533
	Mobile Site 102 - SW	11:59	0	4	2,365
				223	0
4	256+95 to 317+00	19:53	45	0	247
	Mobile Site 102 - SW	20:38	0	0	0
				202	0

**QC NARRATIVE(S)**

<b>CONTRACTOR CERTIFICATION</b>	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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<b>QC REPRESENTATIVE'S SIGNATURE</b>	<b>DATE</b>	<b>SUPERINTENDENT'S INITIALS</b>	<b>DATE</b>
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QUALITY CONTROL REPORT-HOPPER DREDGE										PAGE NO. Page 275 of 377	
CONTRACT NO. W9127820F0001 W9127820F0032		CONTRACT TITLE IDIQ Hopper Dredge for Mobile Harbor				CONTRACTOR Dutra Dredging Co.				REPORT NO. 138	
CHARACTER OF REPORT		<input checked="" type="checkbox"/> MAINTENANCE <input type="checkbox"/> NEW WORK						DATE 12/15/2020			
DREDGE  Columbia Hopper Dredge		HOPPER CAP: 4387 CY			AVG VOL OF BIN WATER: 0 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		256+95 to 317+00			Mobile Site 102 - SW		7,095		928,445
CHARACTER OF MATERIAL		AVG LENGTH OF CUT			AVG WIDTH OF CUT			AVG DIST TO DUMP			
		4500 FT			400 FT			39 NM			
DENSITY OF MATERIALS		DENSITY OF MATERIALS			1250			GMS/LITER		1250	
		DENSITY OF WATER			1006			GMS/LITER@		60 °F	
RIVER/TIDE STAGE		MIN 0.45		TIME 08:00		MAX 2.84		TIME 14:00		GAGE LOCATION	
		MIN 0.00		TIME 00:00		MAX 0.00		TIME 00:00		GAGE DATUM	
WEATHER CONDITION		WEATHER Weather Caused No Delay			TEMP 41 °F / 54 °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		16		EFFECTIVE WORKING TIME:					
AFT		10		15		PUMPING:		00:00		01:47 0.0	
DRAG DEPTH		MAX 0		MIN 0		TURNING:		00:00		00:00 0.0	
INDICATORS LAST CHECKED ON		08/14/2019				TO DUMP:		00:00		11:30 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		2,700		DISCONNECTING:		00:00		00:00 0.0	
GALLONS OF WATER CONSUMED		GAL		748		TO CUT:		00:00		09:56 0.0	
TOTALS:						00:00		23:25		0.0	
NON-EFFECTIVE WORKING TIME:											
TAKING ON FUEL AND SUPPLIES						00:00		00:35		0.0	
DREDGING AND HAULING						AGITATING					
NO.OF LOADS		TOTAL CYS		DISPOSAL AREA		TOTAL CYS		TO AND FROM WHARF OR ANCHORAGE:			
4		7,095		Mobile Site 102 - SW		0		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		00:35		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	
ATTENDANT PLANT											
ITEM		NAME OR NUMBER		H.P.		HOURS					
Crew Boat		Cape Anne		400		24:00					

<b>QUALITY CONTROL REPORT-HOPPER DREDGE</b>			<b>PAGE NO.</b> Page 276 of 377	
<b>CONTRACT NO.</b> W9127820F0001 W9127820F0032	<b>CONTRACT TITLE</b> IDIQ Hopper Dredge for Mobile Harbor		<b>CONTRACTOR</b> Dutra Dredging Co.	
<b>DREDGE</b>			<b>REPORT NO.</b> 138	
NAME AND TYPE Columbia Hopper Dredge			<b>DATE</b> 12/15/2020	

**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	256+95 to 317+00	00:00	11	220	235
	Mobile Site 102 - SW	00:11	0	4	2,365
				0	0
2	256+95 to 300+00	03:55	56	236	545
	Mobile Site 102 - SW	04:51	0	4	2,365
				249	0
3	256+95 to 300+00	13:00	40	234	488
	Mobile Site 102 - SW	13:40	0	4	2,365
				210	0
4	256+95 to 300+00	21:08	0	0	137
	Mobile Site 102 - SW	21:08	0	0	0
				137	0

**QC NARRATIVE(S)**

<b>CONTRACTOR CERTIFICATION</b>		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.			
<b>QC REPRESENTATIVE'S SIGNATURE</b>		<b>DATE</b>	<b>SUPERINTENDENT'S INITIALS</b>	<b>DATE</b>	

QUALITY CONTROL REPORT-HOPPER DREDGE										PAGE NO. Page 277 of 377	
CONTRACT NO. W9127820F0001 W9127820F0032		CONTRACT TITLE IDIQ Hopper Dredge for Mobile Harbor				CONTRACTOR Dutra Dredging Co.				REPORT NO. 139	
CHARACTER OF REPORT		<input checked="" type="checkbox"/> MAINTENANCE <input type="checkbox"/> NEW WORK						DATE 12/16/2020			
DREDGE Columbia Hopper Dredge		HOPPER CAP: 4387 CY		AVG VOL OF BIN WATER: 0 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	256+95 to 317+00		Mobile Site 102 - SW	4,730	933,175				
CHARACTER OF MATERIAL		AVG LENGTH OF CUT 4500 FT		AVG WIDTH OF CUT 400 FT		AVG DIST TO DUMP 39 NM					
		DENSITY OF MATERIALS				1250	GMS/LITER	1250			
RIVER/TIDE STAGE		DENSITY OF WATER				1006	GMS/LITER@	60 °F			
		MIN 0.45	TIME 08:00	MAX 2.84	TIME 14:00	GAGE LOCATION					
WEATHER CONDITION		MIN 0.00	TIME 00:00	MAX 0.00	TIME 00:00	GAGE DATUM					
		WEATHER Weather Caused No Delay		TEMP 40 °F / 54 °F	VISIBILITY 10 MI	WIND 20/NW MPH					
DRAFT					DISTRIBUTION OF TIME AND MILES RUN						
	LIGHT		LOADED			AGITATING (MIN)	DREDGE & HAUL (MIN)	MILES RUN (NAUT MI)			
FORWARD	8		16		EFFECTIVE WORKING TIME:						
AFT	10		15		PUMPING:	00:00	03:17	0.0			
DRAG DEPTH	MAX 0	MIN 0	TURNING:								
INDICATORS LAST CHECKED ON	08/14/2019	TO DUMP:									
AVERAGE SPEED OF DREDGE DURING LOADING	FT/MIN	0	CONNECTING:								
AVERAGE SPEED OF DREDGE DURING AGITATING	FT/MIN	0	DUMPING:								
GALLONS OF FUEL OIL CONSUMED	GAL	2,361	DISCONNECTING:								
GALLONS OF WATER CONSUMED	GAL	748	TO CUT:								
			TOTALS:								
			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			
3	4,730	Mobile Site 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	00:30	0.0			
					MISCELLANEOUS	00:00	00:00	0.0			
					TOTALS	00:00	00:30	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			

<b>QUALITY CONTROL REPORT-HOPPER DREDGE</b>				<b>PAGE NO.</b> Page 278 of 377	
<b>CONTRACT NO.</b> W9127820F0001 W9127820F0032		<b>CONTRACT TITLE</b> IDIQ Hopper Dredge for Mobile Harbor		<b>CONTRACTOR</b> Dutra Dredging Co.	
<b>DREDGE</b>		<b>NAME AND TYPE</b> Columbia Hopper Dredge			<b>REPORT NO.</b> 139
					<b>DATE</b> 12/16/2020

<b>LOADS</b>					
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	256+95 to 317+00	00:00	59	224	344
	Mobile Site 102 - SW	00:59	0	4	2,365
				57	0
2	256+95 to 300+00	05:44	57	226	526
	Mobile Site 102 - SW	06:41	0	4	2,365
				239	0
3	256+95 to 317+00	14:30	81	230	540
	Mobile Site 102 - SW	15:51	0	0	0
				229	0

**QC NARRATIVE(S)**

<b>CONTRACTOR CERTIFICATION</b>		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.			
<b>QC REPRESENTATIVE'S SIGNATURE</b>		<b>DATE</b>	<b>SUPERINTENDENT'S INITIALS</b>		<b>DATE</b>

QUALITY CONTROL REPORT-HOPPER DREDGE										PAGE NO. Page 279 of 377		
CONTRACT NO. W9127820F0001 W9127820F0032		CONTRACT TITLE IDIQ Hopper Dredge for Mobile Harbor				CONTRACTOR Dutra Dredging Co.				REPORT NO. 140		
CHARACTER OF REPORT		<input checked="" type="checkbox"/> MAINTENANCE <input type="checkbox"/> NEW WORK						DATE 12/17/2020				
DREDGE Columbia Hopper Dredge		HOPPER CAP: 4387 CY			AVG VOL OF BIN WATER: 0 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			256+95 to 317+00			Mobile Site 102 - SW		4,730		937,905
CHARACTER OF MATERIAL		AVG LENGTH OF CUT			AVG WIDTH OF CUT			AVG DIST TO DUMP				
		4500 FT			400 FT			39 NM				
RIVER/TIDE STAGE		DENSITY OF MATERIALS						1250		GMS/LITER 1250		
		DENSITY OF WATER						1006		GMS/LITER@ 60 °F		
WEATHER CONDITION		MIN 0.45			TIME 08:00			MAX 2.84		TIME 14:00		GAGE LOCATION
		MIN 0.00			TIME 00:00			MAX 0.00		TIME 00:00		GAGE DATUM
WEATHER		Weather Caused No Delay			TEMP		38 °F / 47 °F		VISIBILITY		10 MI	
WIND											20/NW MPH	
DRAFT						DISTRIBUTION OF TIME AND MILES RUN						
LIGHT		LOADED						AGITATING (MIN)		DREDGE & HAUL (MIN)		MILES RUN (NAUT MI)
FORWARD		8				16		EFFECTIVE WORKING TIME:				
AFT		10				15		PUMPING:		00:00		02:03
DRAG DEPTH		MAX 0				MIN 0		TURNING:		00:00		00:26
INDICATORS LAST CHECKED ON		08/14/2019						TO DUMP:		00:00		05:16
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		00:08
GALLONS OF FUEL OIL CONSUMED		GAL				1,180		DISCONNECTING:		00:00		00:00
GALLONS OF WATER CONSUMED		GAL				748		TO CUT:		00:00		07:38
								TOTALS:		00:00		15:31
WORK PERFORMED						NON-EFFECTIVE WORKING TIME:						
DREDGING AND HAULING		AGITATING						TAKING ON FUEL AND SUPPLIES		00:00		08:29
NO.OF LOADS		TOTAL CYS		DISPOSAL AREA		TOTAL CYS		TO AND FROM WHARF OR ANCHORAGE:		00:00		00:00
3		4,730		Mobile Site 102 - SW		0		LOSS DUE TO NATURAL ELEMENTS:		00:00		00:00
								LOSS DUE TO TRAFFIC AND BRIDGES		00:00		00:00
								MINOR OPERATING REPAIRS		00:00		00:00
								TRANSFERRING BETWEEN WORKS		00:00		00:00
								LAY TIME:		00:00		00:00
ITEM		NAME OR NUMBER		H.P.		HOURS		FIRE AND BOAT DRILLS:		00:00		00:00
Crew Boat		Cape Anne		400		24:00		MISCELLANEOUS		00:00		00:00
								TOTALS		00:00		08:29
								LOST TIME:				
								MAJOR REPAIRS AND ALTERNATIONS		00:00		00:00
								CESSATION:		00:00		00:00
								COLLISIONS:		00:00		00:00
								TOTALS:		00:00		00:00
								TOTAL TIME/MILES:		00:00		24:00

**QUALITY CONTROL REPORT-HOPPER DREDGE**

<b>CONTRACT NO.</b> W9127820F0032	<b>CONTRACT TITLE</b> IDIQ Hopper Dredge for Mobile Harbor	<b>CONTRACTOR</b> Dutra Dredging Co.	<b>REPORT NO.</b> 140
<b>DREDGE</b>	<b>NAME AND TYPE</b> Columbia Hopper Dredge		<b>DATE</b> 12/17/2020

**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	256+95 to 317+00	00:00	0	25	29
	Mobile Site 102 - SW	00:00	0	4	2,365
				0	0
2	256+95 to 317+00	00:29	60	207	491
	Mobile Site 102 - SW	01:29	0	4	2,365
				220	0
3	256+95 to 317+00	08:40	63	84	411
	Mobile Site 102 - SW	10:09	26	0	0
				238	0

**QC NARRATIVE(S)**

<b>CONTRACTOR CERTIFICATION</b>	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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<b>QC REPRESENTATIVE'S SIGNATURE</b>	<b>DATE</b>	<b>SUPERINTENDENT'S INITIALS</b>	<b>DATE</b>
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QUALITY CONTROL REPORT-HOPPER DREDGE										PAGE NO. Page 281 of 377						
CONTRACT NO. W9127820F0001 W9127820F0032		CONTRACT TITLE IDIQ Hopper Dredge for Mobile Harbor				CONTRACTOR Dutra Dredging Co.				REPORT NO. 141						
CHARACTER OF REPORT		<input checked="" type="checkbox"/> MAINTENANCE <input type="checkbox"/> NEW WORK						DATE 12/18/2020								
DREDGE Columbia Hopper Dredge		HOPPER CAP: 4387 CY			AVG VOL OF BIN WATER: 0 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		256+95 to 317+00			Mobile Site 102 - SW		7,905		945,810					
CHARACTER OF MATERIAL		AVG LENGTH OF CUT			AVG WIDTH OF CUT			AVG DIST TO DUMP								
		4500 FT			400 FT			39 NM								
RIVER/TIDE STAGE		DENSITY OF MATERIALS						1250		GMS/LITER 1250						
		DENSITY OF WATER						1006		GMS/LITER@ 60 °F						
WEATHER CONDITION		WEATHER			TEMP		VISIBILITY		WIND							
		Weather Caused No Delay			38 °F / 47 °F		10 MI		20/NW MPH							
DRAFT						DISTRIBUTION OF TIME AND MILES RUN										
		LIGHT		LOADED				AGITATING (MIN)		DREDGE & HAUL (MIN)		MILES RUN (NAUT MI)				
FORWARD		8		16		EFFECTIVE WORKING TIME:										
AFT		10		15		PUMPING:		00:00		02:57		0.0				
DRAG DEPTH		MAX 0		MIN 0		TURNING:		00:00		00:00		0.0				
INDICATORS LAST CHECKED ON		08/14/2019				TO DUMP:		00:00		10:21		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		3,072		DISCONNECTING:		00:00		00:00		0.0				
GALLONS OF WATER CONSUMED		GAL		560		TO CUT:		00:00		10:30		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			
4		7,905		Mobile Site 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		
ATTENDANT PLANT		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

<b>CONTRACT NO.</b> W9127820F0001 W9127820F0032	<b>CONTRACT TITLE</b> IDIQ Hopper Dredge for Mobile Harbor	<b>CONTRACTOR</b> Dutra Dredging Co.	<b>REPORT NO.</b> 141
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<b>DREDGE</b>	<b>NAME AND TYPE</b> Columbia Hopper Dredge	<b>DATE</b> 12/18/2020
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**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	256+95 to 317+00	00:00	0	142	146
	Mobile Site 102 - SW	00:00	0	4	2,635
				0	0
2	256+95 to 317+00	02:26	87	221	532
	Mobile Site 102 - SW	03:53	0	4	2,635
				220	0
3	256+95 to 317+00	11:18	60	238	522
	Mobile Site 102 - SW	12:18	0	4	2,635
				220	0
4	256+95 to 317+00	20:00	30	20	240
	Mobile Site 102 - SW	20:30	0	0	0
				190	0

**QC NARRATIVE(S)**

<b>CONTRACTOR CERTIFICATION</b>	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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<b>QC REPRESENTATIVE'S SIGNATURE</b>	<b>DATE</b>	<b>SUPERINTENDENT'S INITIALS</b>	<b>DATE</b>
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QUALITY CONTROL REPORT-HOPPER DREDGE										PAGE NO. Page 283 of 377	
CONTRACT NO. W9127820F0001 W9127820F0032		CONTRACT TITLE IDIQ Hopper Dredge for Mobile Harbor				CONTRACTOR Dutra Dredging Co.				REPORT NO. 142	
CHARACTER OF REPORT		<input checked="" type="checkbox"/> MAINTENANCE <input type="checkbox"/> NEW WORK						DATE 12/19/2020			
DREDGE Columbia Hopper Dredge		HOPPER CAP: 4387 CY		AVG VOL OF BIN WATER: 0 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	256+95 to 317+00			Mobile Site 102 - SW	7,905	953,715			
CHARACTER OF MATERIAL		AVG LENGTH OF CUT 4500 FT		AVG WIDTH OF CUT 400 FT		AVG DIST TO DUMP 39 NM					
		DENSITY OF MATERIALS				1250	GMS/LITER	1250			
RIVER/TIDE STAGE		DENSITY OF WATER				1006	GMS/LITER@	60 °F			
		MIN 0.41	TIME 15:00	MAX 1.68	TIME 23:00	GAGE LOCATION					
WEATHER CONDITION	WEATHER	TEMP	VISIBILITY	WIND							
	Weather Caused No Delay	38 °F / 62 °F	10 MI	15 SE MPH							
DRAFT					DISTRIBUTION OF TIME AND MILES RUN						
	LIGHT	LOADED		AGITATING (MIN)	DREDGE & HAUL (MIN)	MILES RUN (NAUT MI)					
FORWARD	8	16		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	08/14/2019			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	2,699		DISCONNECTING:	00:00	00:00	0.0				
GALLONS OF WATER CONSUMED	GAL	560		TO CUT:	00:00	10:10	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				
NO.OF LOADS	TOTAL CYS	DISPOSAL AREA	TOTAL CYS	LOSS DUE TO NATURAL ELEMENTS:	00:00	00:00	0.0				
4	7,905	Mobile Site 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				
				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				

<b>QUALITY CONTROL REPORT-HOPPER DREDGE</b>			<b>PAGE NO.</b> Page 284 of 377
<b>CONTRACT NO.</b> W9127820F0032	<b>CONTRACT TITLE</b> IDIQ Hopper Dredge for Mobile Harbor	<b>CONTRACTOR</b> Dutra Dredging Co.	<b>REPORT NO.</b> 142
<b>DREDGE</b>	<b>NAME AND TYPE</b> Columbia Hopper Dredge	<b>DATE</b> 12/19/2020	

**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	256+95 to 317+00	00:00	0	198	202
	Mobile Site 102 - SW	00:00	0	4	2,635
				0	0
2	256+95 to 317+00	03:22	70	214	497
	Mobile Site 102 - SW	04:32	0	4	2,635
				209	0
3	256+95 to 317+00	11:39	56	226	487
	Mobile Site 102 - SW	12:35	0	4	2,635
				201	0
4	256+95 to 317+00	19:46	54	0	254
	Mobile Site 102 - SW	20:40	0	0	0
				200	0

**QC NARRATIVE(S)**

<b>CONTRACTOR CERTIFICATION</b>	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.		
<b>QC REPRESENTATIVE'S SIGNATURE</b>	<b>DATE</b>	<b>SUPERINTENDENT'S INITIALS</b>	<b>DATE</b>

QUALITY CONTROL REPORT-HOPPER DREDGE										PAGE NO. Page 285 of 377	
CONTRACT NO. W9127820F0001 W9127820F0032		CONTRACT TITLE IDIQ Hopper Dredge for Mobile Harbor				CONTRACTOR Dutra Dredging Co.				REPORT NO. 143	
CHARACTER OF REPORT		<input checked="" type="checkbox"/> MAINTENANCE <input type="checkbox"/> NEW WORK						DATE 12/20/2020			
DREDGE Columbia Hopper Dredge		HOPPER CAP: 4387 CY		AVG VOL OF BIN WATER: 0 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	256+95 to 317+00		Mobile Site 102 - SW	10,540	964,255				
CHARACTER OF MATERIAL		AVG LENGTH OF CUT 4500 FT		AVG WIDTH OF CUT 400 FT		AVG DIST TO DUMP 39 NM					
		DENSITY OF MATERIALS				1250	GMS/LITER	1250			
RIVER/TIDE STAGE		DENSITY OF WATER				1006	GMS/LITER@	60 °F			
		MIN 0.48	TIME 15:00	MAX 1.45	TIME 07:00	GAGE LOCATION					
WEATHER CONDITION		MIN 0.00	TIME 00:00	MAX 0.00	TIME 00:00	GAGE DATUM					
		WEATHER Weather Caused No Delay		TEMP 45 °F / 62 °F	VISIBILITY 10 MI	WIND 12 SE MPH					
DRAFT					DISTRIBUTION OF TIME AND MILES RUN						
	LIGHT		LOADED			AGITATING (MIN)	DREDGE & HAUL (MIN)	MILES RUN (NAUT MI)			
FORWARD	8		16		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	08/14/2019										
						TO DUMP:	00:00	11:09	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		3,332		DISCONNECTING:	00:00	00:00	0.0		
GALLONS OF WATER CONSUMED		GAL		560		TO CUT:	00:00	10:10	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			
4	10,540	Mobile Site 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			
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			

<b>QUALITY CONTROL REPORT-HOPPER DREDGE</b>			<b>PAGE NO.</b> Page 286 of 377	
<b>CONTRACT NO.</b> W9127820F0001 W9127820F0032	<b>CONTRACT TITLE</b> IDIQ Hopper Dredge for Mobile Harbor		<b>CONTRACTOR</b> Dutra Dredging Co.	
<b>DREDGE</b>	<b>NAME AND TYPE</b> Columbia Hopper Dredge			<b>REPORT NO.</b> 143
<b>DATE</b> 12/20/2020				

<b>LOADS</b>					
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	256+95 to 317+00	00:00	7	228	239
	Mobile Site 102 - SW	00:07	0	4 0	2,635 0
2	256+95 to 317+00	03:59	65	212	482
	Mobile Site 102 - SW	05:04	0	4 201	2,635 0
3	256+95 to 317+00	12:01	60	229	501
	Mobile Site 102 - SW	13:01	0	4 208	2,635 0
4	256+95 to 317+00	20:22	17	0	218
	Mobile Site 102 - SW	20:39	0	0 201	2,635 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.

<b>QC REPRESENTATIVE'S SIGNATURE</b>	<b>DATE</b>	<b>SUPERINTENDENT'S INITIALS</b>	<b>DATE</b>
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QUALITY CONTROL REPORT-HOPPER DREDGE										PAGE NO. Page 287 of 377	
CONTRACT NO. W9127820F0001 W9127820F0032		CONTRACT TITLE IDIQ Hopper Dredge for Mobile Harbor				CONTRACTOR Dutra Dredging Co.				REPORT NO. 144	
CHARACTER OF REPORT		<input checked="" type="checkbox"/> MAINTENANCE <input type="checkbox"/> NEW WORK						DATE 12/21/2020			
DREDGE Columbia Hopper Dredge		HOPPER CAP: 4387 CY			AVG VOL OF BIN WATER: 0 CY			AVG UNFILLED CAP: 0 CY			
		NO. OF CREW MEMBERS	DREDGE 13		OTHER PLANT 4	WORK SCHEDULE		SHIFTS PER DAY 2	DAYS PER WEEK 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	256+95 to 317+00			Mobile Site 102 - SW		7,905	972,160		
		AVG LENGTH OF CUT 4500 FT			AVG WIDTH OF CUT 400 FT			AVG DIST TO DUMP 39 NM			
CHARACTER OF MATERIAL		DENSITY OF MATERIALS				1250		GMS/LITER		1250	
		DENSITY OF WATER				1006		GMS/LITER@		60 °F	
RIVER/TIDE STAGE		MIN 0.77	TIME 16:00		MAX 0.99	TIME 08:00		GAGE LOCATION			
		MIN 0.00	TIME 00:00		MAX 0.00	TIME 00:00		GAGE DATUM			
WEATHER CONDITION		WEATHER Weather Caused No Delay			TEMP 45 °F / 68 °F		VISIBILITY 10 MI		WIND 8 MPH		
DRAFT					DISTRIBUTION OF TIME AND MILES RUN						
	LIGHT		LOADED			AGITATING (MIN)	DREDGE & HAUL (MIN)	MILES RUN (NAUT MI)			
FORWARD	8		16		EFFECTIVE WORKING TIME:						
AFT	10		15		PUMPING:	00:00	02:56	0.0			
DRAG DEPTH	MAX 0	MIN 0			TURNING:	00:00	00:00	0.0			
INDICATORS LAST CHECKED ON	08/14/2019										
AVERAGE SPEED OF DREDGE DURING LOADING		FT/MIN		0	TO DUMP:	00:00	11:00	0.0			
AVERAGE SPEED OF DREDGE DURING AGITATING		FT/MIN		0	CONNECTING:	00:00	00:00	0.0			
GALLONS OF FUEL OIL CONSUMED		GAL		2,661	DUMPING:	00:00	00:12	0.0			
GALLONS OF WATER CONSUMED		GAL		560	DISCONNECTING:	00:00	00:00	0.0			
					TO CUT:	00:00	09:52	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	7,905	Mobile Site 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			
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 288 of 377	
CONTRACT NO. W9127820F0032		CONTRACT TITLE IDIQ Hopper Dredge for Mobile Harbor		CONTRACTOR Dutra Dredging Co.		REPORT NO. 144
DREDGE		NAME AND TYPE Columbia Hopper Dredge			DATE 12/21/2020	
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	256+95 to 317+00	00:00	48	220	272	
	Mobile Site 102 - SW	00:48	0	4 0	2,635 0	
2	256+95 to 317+00	04:32	68	220	497	
	Mobile Site 102 - SW	05:40	0	4 205	2,635 0	
3	256+95 to 317+00	12:49	60	220	480	
	Mobile Site 102 - SW	13:49	0	4 196	2,635 0	
4	256+95 to 317+00	20:49	0	0	191	
	Mobile Site 102 - SW	20:49	0	0 191	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 289 of 377	
CONTRACT NO. W9127820F0001 W9127820F0032			CONTRACT TITLE IDIQ Hopper Dredge for Mobile Harbor				CONTRACTOR Dutra Dredging Co.			REPORT NO. 145	
CHARACTER OF REPORT			<input checked="" type="checkbox"/> MAINTENANCE <input type="checkbox"/> NEW WORK						DATE 12/22/2020		
DREDGE Columbia Hopper Dredge		HOPPER CAP: 4387 CY			AVG VOL OF BIN WATER: 0 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	256+95 to 317+00			Mobile Site 102 - SW	7,905	980,065			
CHARACTER OF MATERIAL		AVG LENGTH OF CUT 4500 FT			AVG WIDTH OF CUT 400 FT			AVG DIST TO DUMP 39 NM			
		DENSITY OF MATERIALS				1250			GMS/LITER		1250
RIVER/TIDE STAGE		DENSITY OF WATER				1006			GMS/LITER@		60 °F
		MIN	0.62	TIME	08:00	MAX	1.13	TIME	00:00	GAGE LOCATION	
WEATHER CONDITION		MIN	0.00	TIME	00:00	MAX	0.00	TIME	00:00	GAGE DATUM	
		WEATHER Weather Caused No Delay				TEMP 40 °F / 68 °F		VISIBILITY 10 MI	WIND 8 MPH		
DRAFT					DISTRIBUTION OF TIME AND MILES RUN						
FORWARD		LIGHT		LOADED			AGITATING (MIN)	DREDGE & HAUL (MIN)	MILES RUN (NAUT MI)		
		8		16		EFFECTIVE WORKING TIME:					
AFT		10		15		PUMPING:	00:00	02:25	0.0		
DRAG DEPTH    MAX 0    MIN 0					TURNING:	00:00	00:00	0.0			
INDICATORS LAST CHECKED ON    08/14/2019					TO DUMP:	00:00	10:58	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	2,915	DISCONNECTING:	00:00	00:00	0.0	
GALLONS OF WATER CONSUMED					GAL	896	TO CUT:	00:00	10:00	0.0	
							TOTALS:	00:00	23:35	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		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	00:25	0.0		
						TOTALS	00:00	00:25	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**

<b>CONTRACT NO.</b> W9127820F0032	<b>CONTRACT TITLE</b> IDIQ Hopper Dredge for Mobile Harbor	<b>CONTRACTOR</b> Dutra Dredging Co.	<b>REPORT NO.</b> 145
<b>DREDGE</b>	<b>NAME AND TYPE</b> Columbia Hopper Dredge		<b>DATE</b> 12/22/2020

**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	256+95 to 317+00	00:00	49	217	274
	Mobile Site 102 - SW	00:49	0	4 4	2,635 0
2	256+95 to 317+00	04:59	36	220	461
	Mobile Site 102 - SW	05:35	0	4 201	2,635 0
3	256+95 to 317+00	12:40	60	221	500
	Mobile Site 102 - SW	13:40	0	4 215	2,635 0
4	256+95 to 317+00	21:00	0	0	180
	Mobile Site 102 - SW	21:00	0	0 180	0 0

**QC NARRATIVE(S)**

<b>CONTRACTOR CERTIFICATION</b>	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.		
<b>QC REPRESENTATIVE'S SIGNATURE</b>	<b>DATE</b>	<b>SUPERINTENDENT'S INITIALS</b>	<b>DATE</b>

QUALITY CONTROL REPORT-HOPPER DREDGE							PAGE NO.	
							Page 291 of 377	
CONTRACT NO.		CONTRACT TITLE			CONTRACTOR		REPORT NO.	
W9127820F0001 W9127820F0032		IDIQ Hopper Dredge for Mobile Harbor			Dutra Dredging Co.		146	
CHARACTER OF REPORT		<input checked="" type="checkbox"/> MAINTENANCE <input type="checkbox"/> NEW WORK					DATE	
							12/23/2020	
DREDGE		HOPPER CAP: 4387 CY		AVG VOL OF BIN WATER: 0 CY		AVG UNFILLED CAP: 0 CY		
Columbia Hopper Dredge		NO. OF CREW MEMBERS	DREDGE	OTHER PLANT	WORK SCHEDULE	SHIFTS PER DAY	DAYS PER WEEK	
			13	4		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	256+95 to 317+00		Mobile Site 102 - SW	7,905	987,970	
		AVG LENGTH OF CUT 4500 FT		AVG WIDTH OF CUT 400 FT		AVG DIST TO DUMP 39 NM		
CHARACTER OF MATERIAL		DENSITY OF MATERIALS			1250		GMS/LITER	1250
		DENSITY OF WATER			1006		GMS/LITER@	60 °F
RIVER/TIDE STAGE		MIN 0.78	TIME 08:00	MAX 1.14	TIME 16:00	GAGE LOCATION		
		MIN 0.00	TIME 00:00	MAX 0.00	TIME 00:00	GAGE DATUM		
WEATHER CONDITION		WEATHER		TEMP	VISIBILITY	WIND		
		Weather Caused No Delay		48 °F / 74 °F	10 MI	12 MPH		
DRAFT				DISTRIBUTION OF TIME AND MILES RUN				
	LIGHT	LOADED			AGITATING (MIN)	DREDGE & HAUL (MIN)	MILES RUN (NAUT MI)	
FORWARD	8	16		EFFECTIVE WORKING TIME:				
AFT	10	15		PUMPING:	00:00	02:58	0.0	
DRAG DEPTH    MAX 0    MIN 0				TURNING:	00:00	00:00	0.0	
INDICATORS LAST CHECKED ON    08/14/2019				TO DUMP:	00:00	11:02	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	00:12	0.0	
GALLONS OF FUEL OIL CONSUMED    GAL    3,142				DISCONNECTING:	00:00	00:00	0.0	
GALLONS OF WATER CONSUMED    GAL    896				TO CUT:	00:00	09:28	0.0	
				TOTALS:	00:00	23:40	0.0	
				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		LOSS DUE TO NATURAL ELEMENTS:	00:00	00:00	0.0	
4	7,905	Mobile Site 102 - SW		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	00:20	0.0	
				TOTALS	00:00	00:20	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**

<b>CONTRACT NO.</b> W9127820F0001 W9127820F0032	<b>CONTRACT TITLE</b> IDIQ Hopper Dredge for Mobile Harbor	<b>CONTRACTOR</b> Dutra Dredging Co.	<b>REPORT NO.</b> 146
<b>DREDGE</b>	<b>NAME AND TYPE</b> Columbia Hopper Dredge	<b>DATE</b> 12/23/2020	

**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	256+95 to 317+00 Mobile Site 102 - SW	00:00 01:00	60 0	214 4 14	292 2,635 0
2	256+95 to 317+00 Mobile Site 102 - SW	04:52 05:56	64 0	223 4 198	489 2,635 0
3	256+95 to 317+00 Mobile Site 102 - SW	13:01 13:55	54 0	225 4 201	484 2,635 0
4	256+95 to 317+00 Mobile Site 102 - SW	21:25 21:25	0 0	0 0 155	155 0 0

**QC NARRATIVE(S)**

<b>CONTRACTOR CERTIFICATION</b>	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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<b>QC REPRESENTATIVE'S SIGNATURE</b>	<b>DATE</b>	<b>SUPERINTENDENT'S INITIALS</b>	<b>DATE</b>
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QUALITY CONTROL REPORT-HOPPER DREDGE										PAGE NO. Page 293 of 377	
CONTRACT NO. W9127820F0001 W9127820F0032		CONTRACT TITLE IDIQ Hopper Dredge for Mobile Harbor				CONTRACTOR Dutra Dredging Co.				REPORT NO. 147	
CHARACTER OF REPORT		<input checked="" type="checkbox"/> MAINTENANCE <input type="checkbox"/> NEW WORK						DATE 12/24/2020			
DREDGE  Columbia Hopper Dredge		HOPPER CAP: 4387 CY			AVG VOL OF BIN WATER: 0 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		256+95 to 317+00			Mobile Site 102 - SW		7,905		995,875
CHARACTER OF MATERIAL		AVG LENGTH OF CUT			AVG WIDTH OF CUT			AVG DIST TO DUMP		39 NM	
		DENSITY OF MATERIALS				1250				GMS/LITER	
RIVER/TIDE STAGE		DENSITY OF WATER			1006				GMS/LITER@		60 °F
		MIN 0.60		TIME 17:00		MAX 1.67		TIME 01:00		GAGE LOCATION	
WEATHER CONDITION		MIN 0.00		TIME 00:00		MAX 0.00		TIME 00:00		GAGE DATUM	
		WEATHER Weather Caused No Delay				TEMP 28 °F / 60 °F		VISIBILITY 10 MI		WIND 12 MPH	
DRAFT						DISTRIBUTION OF TIME AND MILES RUN					
LIGHT		LOADED				AGITATING (MIN)		DREDGE & HAUL (MIN)		MILES RUN (NAUT MI)	
FORWARD		8		16		EFFECTIVE WORKING TIME:					
AFT		10		15		PUMPING:		00:00		03:00	
DRAG DEPTH		MAX 0		MIN 0		TURNING:		00:00		00:00	
INDICATORS LAST CHECKED ON 08/14/2019						TO DUMP:		00:00		11:10	
AVERAGE SPEED OF DREDGE DURING LOADING						FT/MIN		0		CONNECTING:	
AVERAGE SPEED OF DREDGE DURING AGITATING						FT/MIN		0		00:00	
GALLONS OF FUEL OIL CONSUMED						GAL		3,050		DUMPING:	
GALLONS OF WATER CONSUMED						GAL		560		00:00	
WORK PERFORMED						DISCONNECTING:		00:00		00:00	
DREDGING AND HAULING				AGITATING		TOTALS:		00:00		24:00	
NO.OF LOADS		TOTAL CYS		DISPOSAL AREA		TOTAL CYS		NON-EFFECTIVE WORKING TIME:			
4		7,905		Mobile Site 102 - SW		0		TAKING ON FUEL AND SUPPLIES			
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	
ATTENDANT PLANT						FIRE AND BOAT DRILLS:		00:00		00:00	
ITEM		NAME OR NUMBER		H.P.		HOURS		MISCELLANEOUS		00:00	
Crew Boat		Cape Anne		400		24:00		TOTALS		00:00	
LOST TIME:						00:00		00:00		0.0	
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 295 of 377		
CONTRACT NO. W9127820F0001 W9127820F0032		CONTRACT TITLE IDIQ Hopper Dredge for Mobile Harbor			CONTRACTOR Dutra Dredging Co.		REPORT NO. 148		
CHARACTER OF REPORT		<input checked="" type="checkbox"/> MAINTENANCE <input type="checkbox"/> NEW WORK					DATE 12/25/2020		
DREDGE  Columbia Hopper Dredge		HOPPER CAP: 4387 CY		AVG VOL OF BIN WATER: 0 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		256+95 to 317+00		Mobile Site 102 - SW	7,905	1,003,780	
CHARACTER OF MATERIAL		AVG LENGTH OF CUT		AVG WIDTH OF CUT		AVG DIST TO DUMP			
		4500 FT		400 FT		39 NM			
RIVER/TIDE STAGE		DENSITY OF MATERIALS				1250	GMS/LITER	1250	
		DENSITY OF WATER				1006	GMS/LITER@	60 °F	
WEATHER CONDITION		MIN 0.60		TIME 17:00		MAX 1.67	TIME 01:00	GAGE LOCATION	
		MIN 0.00		TIME 00:00		MAX 0.00	TIME 00:00	GAGE DATUM	
WEATHER		Weather Caused No Delay		TEMP	28 °F / 48 °F	VISIBILITY	10 MI	WIND	12 MPH
DRAFT				DISTRIBUTION OF TIME AND MILES RUN					
	LIGHT	LOADED			AGITATING (MIN)	DREDGE & HAUL (MIN)	MILES RUN (NAUT MI)		
FORWARD	8	16		EFFECTIVE WORKING TIME:					
AFT	10	15		PUMPING:	00:00	03:01	0.0		
DRAG DEPTH    MAX 0    MIN 0				TURNING:	00:00	00:12	0.0		
INDICATORS LAST CHECKED ON    08/14/2019				TO DUMP:	00:00	10:45	0.0		
AVERAGE SPEED OF DREDGE DURING LOADING				FT/MIN	0				
AVERAGE SPEED OF DREDGE DURING AGITATING				FT/MIN	0				
GALLONS OF FUEL OIL CONSUMED				GAL	3,003				
GALLONS OF WATER CONSUMED				GAL	672				
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		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 297 of 377		
CONTRACT NO. W9127820F0001 W9127820F0032		CONTRACT TITLE IDIQ Hopper Dredge for Mobile Harbor			CONTRACTOR Dutra Dredging Co.		REPORT NO. 149	
CHARACTER OF REPORT		<input checked="" type="checkbox"/> MAINTENANCE <input type="checkbox"/> NEW WORK				DATE 12/26/2020		
DREDGE Columbia Hopper Dredge		HOPPER CAP: 4387 CY		AVG VOL OF BIN WATER: 0 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	256+95 to 317+00		Mobile Site 102 - SW	7,905	1,011,685	
CHARACTER OF MATERIAL		AVG LENGTH OF CUT		AVG WIDTH OF CUT		AVG DIST TO DUMP		
		4500 FT	400 FT		39 NM			
RIVER/TIDE STAGE		DENSITY OF MATERIALS		1250		GMS/LITER 1250		
		DENSITY OF WATER		1006		GMS/LITER@ 60 °F		
WEATHER CONDITION		WEATHER		TEMP	VISIBILITY	WIND		
		Weather Caused No Delay		31 °F / 54 °F	10 MI	10 MPH		
DRAFT				DISTRIBUTION OF TIME AND MILES RUN				
	LIGHT	LOADED			AGITATING (MIN)	DREDGE & HAUL (MIN)	MILES RUN (NAUT MI)	
FORWARD	8	16		EFFECTIVE WORKING TIME:				
AFT	10	15		PUMPING:	00:00	03:09	0.0	
DRAG DEPTH    MAX 0                                  MIN 0				TURNING:	00:00	00:00	0.0	
INDICATORS LAST CHECKED ON    08/14/2019				TO DUMP:	00:00	11:06	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	3,050	DISCONNECTING:	00:00	00:00	0.0	
GALLONS OF WATER CONSUMED		GAL	560	TO CUT:	00:00	09:23	0.0	
				TOTALS:	00:00	23:50	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	TO AND FROM WHARF OR ANCHORAGE:	00:00	00:00	0.0	
4	7,905	Mobile Site 102 - SW		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	00:00	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	00:10	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

<b>QUALITY CONTROL REPORT-HOPPER DREDGE</b>			<b>PAGE NO.</b> Page 298 of 377
<b>CONTRACT NO.</b> W9127820F0001 W9127820F0032	<b>CONTRACT TITLE</b> IDIQ Hopper Dredge for Mobile Harbor	<b>CONTRACTOR</b> Dutra Dredging Co.	<b>REPORT NO.</b> 149
<b>DREDGE</b>	<b>NAME AND TYPE</b> Columbia Hopper Dredge	<b>DATE</b> 12/26/2020	

**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	256+95 to 317+00	00:00	60	231	381
	Mobile Site 102 - SW	01:00	0	4	2,635
					86
2	256+95 to 317+00	06:21	60	224	482
	Mobile Site 102 - SW	07:21	0	4	2,635
					194
3	256+95 to 317+00	14:23	69	211	474
	Mobile Site 102 - SW	15:32	0	4	2,635
					190
4	256+95 to 317+00	22:27	0	0	93
	Mobile Site 102 - SW	22:27	0	0	0
					93

**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 299 of 377			
CONTRACT NO. W9127820F0001 W9127820F0032		CONTRACT TITLE IDIQ Hopper Dredge for Mobile Harbor			CONTRACTOR Dutra Dredging Co.		REPORT NO. 150			
CHARACTER OF REPORT		<input checked="" type="checkbox"/> MAINTENANCE <input type="checkbox"/> NEW WORK					DATE 12/27/2020			
DREDGE Columbia Hopper Dredge		HOPPER CAP: 4387 CY		AVG VOL OF BIN WATER: 0 CY		AVG UNFILLED CAP: 0 CY				
		NO. OF CREW MEMBERS	DREDGE 13	OTHER PLANT 4	WORK SCHEDULE	SHIFTS PER DAY 2	DAYS PER WEEK 7			
LOCATION OF WORK		LOCATION CHANNEL Mobile Bay		REACH DREDGED; STA TO STA 256+95 to 317+00		DISPOSAL AREA USE Mobile Site 102 - SW	QTY DEPOSITED GROSS(CY) 7,905	CUMULATIVE AND QTY DEPOSIT FOR DA(CY) 1,019,590		
		AVG LENGTH OF CUT 4500 FT		AVG WIDTH OF CUT 400 FT		AVG DIST TO DUMP 39 NM				
CHARACTER OF MATERIAL		DENSITY OF MATERIALS			1250		GMS/LITER	1250		
		DENSITY OF WATER			1006		GMS/LITER@	60 °F		
RIVER/TIDE STAGE		MIN	-0.23	TIME	10:00	MAX	1.90	TIME	18:00	GAGE LOCATION
		MIN	0.00	TIME	00:00	MAX	0.00	TIME	00:00	GAGE DATUM
WEATHER CONDITION		WEATHER Weather Caused No Delay			TEMP 44 °F / 63 °F		VISIBILITY 10 MI	WIND 11 MPH		
DRAFT					DISTRIBUTION OF TIME AND MILES RUN					
	LIGHT		LOADED			AGITATING (MIN)	DREDGE & HAUL (MIN)	MILES RUN (NAUT MI)		
FORWARD	8		16		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    08/14/2019					TO DUMP:	00:00	10:44	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    2,771					DISCONNECTING:	00:00	00:00	0.0		
GALLONS OF WATER CONSUMED    GAL    784					TO CUT:	00:00	10:04	0.0		
					TOTALS:	00:00	24:00	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 4	TOTAL CYS 7,905	DISPOSAL AREA Mobile Site 102 - SW		TOTAL CYS 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**

<b>CONTRACT NO.</b> W9127820F0001 W9127820F0032		<b>CONTRACT TITLE</b> IDIQ Hopper Dredge for Mobile Harbor		<b>CONTRACTOR</b> Dutra Dredging Co.		<b>REPORT NO.</b> 150	
<b>DREDGE</b>		<b>NAME AND TYPE</b> Columbia Hopper Dredge				<b>DATE</b> 12/27/2020	

**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	256+95 to 317+00	00:00	60	203	380
	Mobile Site 102 - SW	01:00	0	4	2,635
				113	0
2	256+95 to 317+00	06:20	60	230	491
	Mobile Site 102 - SW	07:20	0	4	2,635
				197	0
3	256+95 to 317+00	14:31	60	211	461
	Mobile Site 102 - SW	15:31	0	4	2,635
				186	0
4	256+95 to 317+00	22:12	0	0	108
	Mobile Site 102 - SW	22:12	0	0	0
				108	0

**QC NARRATIVE(S)**

*(This area is currently blank in the provided image.)*

<b>CONTRACTOR CERTIFICATION</b>		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.			
<b>QC REPRESENTATIVE'S SIGNATURE</b>		<b>DATE</b>	<b>SUPERINTENDENT'S INITIALS</b>		<b>DATE</b>

QUALITY CONTROL REPORT-HOPPER DREDGE											PAGE NO. Page 301 of 377	
CONTRACT NO. W9127820F0001 W9127820F0032		CONTRACT TITLE IDIQ Hopper Dredge for Mobile Harbor				CONTRACTOR Dutra Dredging Co.				REPORT NO. 151		
CHARACTER OF REPORT		<input checked="" type="checkbox"/> MAINTENANCE <input type="checkbox"/> NEW WORK							DATE 12/28/2020			
DREDGE  Columbia Hopper Dredge		HOPPER CAP: 4387 CY			AVG VOL OF BIN WATER: 0 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	256+95 to 317+00				Mobile Site 102 - SW		7,905	1,027,495		
CHARACTER OF MATERIAL		DENSITY OF MATERIALS			1250			GMS/LITER		1250		
		DENSITY OF WATER			1006			GMS/LITER@		60 °F		
RIVER/TIDE STAGE		MIN	-0.13	TIME	10:00	MAX	1.55	TIME	18:00	GAGE LOCATION		
		MIN	0.00	TIME	00:00	MAX	0.00	TIME	00:00	GAGE DATUM		
WEATHER CONDITION		WEATHER Weather Caused No Delay				TEMP 44 °F / 63 °F		VISIBILITY 10 MI		WIND 5 MPH		
DRAFT						DISTRIBUTION OF TIME AND MILES RUN						
		LIGHT		LOADED				AGITATING (MIN)	DREDGE & HAUL (MIN)	MILES RUN (NAUT MI)		
FORWARD		8		16		EFFECTIVE WORKING TIME:						
AFT		10		15		PUMPING:	00:00	03:01	0.0			
DRAG DEPTH		MAX 0	MIN 0		TURNING:	00:00	00:10	0.0				
INDICATORS LAST CHECKED ON		08/14/2019										
AVERAGE SPEED OF DREDGE DURING LOADING		FT/MIN		0		TO DUMP:	00:00	10:29	0.0			
AVERAGE SPEED OF DREDGE DURING AGITATING		FT/MIN		0		CONNECTING:	00:00	00:00	0.0			
GALLONS OF FUEL OIL CONSUMED		GAL		2,611		DUMPING:	00:00	00:12	0.0			
GALLONS OF WATER CONSUMED		GAL		784		DISCONNECTING:	00:00	00:00	0.0			
						TO CUT:	00:00	10:08	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		7,905	Mobile Site 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			
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**

<b>CONTRACT NO.</b> W9127820F0032	<b>CONTRACT TITLE</b> IDIQ Hopper Dredge for Mobile Harbor	<b>CONTRACTOR</b> Dutra Dredging Co.	<b>REPORT NO.</b> 151
<b>DREDGE</b>	<b>NAME AND TYPE</b> Columbia Hopper Dredge		<b>DATE</b> 12/28/2020

**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	256+95 to 317+00	00:00	60	201	370
	Mobile Site 102 - SW	01:00	0	4 105	2,635 0
2	256+95 to 317+00	06:10	60	223	504
	Mobile Site 102 - SW	07:10	0	4 217	2,635 0
3	256+95 to 317+00	14:34	61	205	466
	Mobile Site 102 - SW	15:45	10	4 186	2,635 0
4	256+95 to 317+00	22:20	0	0	100
	Mobile Site 102 - SW	22:20	0	0 100	0 0

**QC NARRATIVE(S)**

<b>CONTRACTOR CERTIFICATION</b>		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.			
<b>QC REPRESENTATIVE'S SIGNATURE</b>	<b>DATE</b>	<b>SUPERINTENDENT'S INITIALS</b>		<b>DATE</b>	

QUALITY CONTROL REPORT-HOPPER DREDGE											PAGE NO. Page 303 of 377		
CONTRACT NO. W9127820F0001 W9127820F0032			CONTRACT TITLE IDIQ Hopper Dredge for Mobile Harbor					CONTRACTOR Dutra Dredging Co.				REPORT NO. 152	
CHARACTER OF REPORT			<input checked="" type="checkbox"/> MAINTENANCE <input type="checkbox"/> NEW WORK								DATE 12/29/2020		
DREDGE Columbia Hopper Dredge			HOPPER CAP: 4387 CY				AVG VOL OF BIN WATER: 0 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		256+95 to 317+00			Mobile Site 102 - SW		7,905	1,035,400		
CHARACTER OF MATERIAL			DENSITY OF MATERIALS				1250			GMS/LITER		1250	
			DENSITY OF WATER				1006			GMS/LITER@		60 °F	
RIVER/TIDE STAGE			MIN -0.36		TIME 10:00		MAX 1.35		TIME 02:00		GAGE LOCATION		
			MIN 0.00		TIME 00:00		MAX 0.00		TIME 00:00		GAGE DATUM		
WEATHER CONDITION			WEATHER Weather Caused No Delay				TEMP 48 °F / 71 °F		VISIBILITY 10 MI		WIND 15 MPH		
DRAFT						DISTRIBUTION OF TIME AND MILES RUN							
LIGHT		LOADED				AGITATING (MIN)		DREDGE & HAUL (MIN)		MILES RUN (NAUT MI)			
FORWARD		8		16		EFFECTIVE WORKING TIME:							
AFT		10		15		PUMPING:		00:00	03:01	0.0			
DRAG DEPTH    MAX 0    MIN 0						TURNING:		00:00	00:00	0.0			
INDICATORS LAST CHECKED ON    08/14/2019						TO DUMP:		00:00	10:48	0.0			
AVERAGE SPEED OF DREDGE DURING LOADING						CONNECTING:		00:00	00:00	0.0			
AVERAGE SPEED OF DREDGE DURING AGITATING						DUMPING:		00:00	00:12	0.0			
GALLONS OF FUEL OIL CONSUMED						DISCONNECTING:		00:00	00:00	0.0			
GALLONS OF WATER CONSUMED						TO CUT:		00:00	09:59	0.0			
GALLONS OF FUEL OIL CONSUMED						TOTALS:		00:00	24:00	0.0			
GALLONS OF WATER CONSUMED						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 Site 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			
						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			

<b>QUALITY CONTROL REPORT-HOPPER DREDGE</b>			<b>PAGE NO.</b> Page 304 of 377
<b>CONTRACT NO.</b> W9127820F0001 W9127820F0032	<b>CONTRACT TITLE</b> IDIQ Hopper Dredge for Mobile Harbor	<b>CONTRACTOR</b> Dutra Dredging Co.	<b>REPORT NO.</b> 152
<b>DREDGE</b>	<b>NAME AND TYPE</b> Columbia Hopper Dredge		<b>DATE</b> 12/29/2020

**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	256+95 to 317+00	00:00	60	201	371
	Mobile Site 102 - SW	01:00	0	4	2,635
					106
2	256+95 to 317+00	06:11	61	220	500
	Mobile Site 102 - SW	07:12	0	4	2,635
					215
3	256+95 to 317+00	14:31	60	227	474
	Mobile Site 102 - SW	15:31	0	4	2,635
					183
4	256+95 to 317+00	22:25	0	0	95
	Mobile Site 102 - SW	22:25	0	0	0
					95

**QC NARRATIVE(S)**

<b>CONTRACTOR CERTIFICATION</b>	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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<b>QC REPRESENTATIVE'S SIGNATURE</b>	<b>DATE</b>	<b>SUPERINTENDENT'S INITIALS</b>	<b>DATE</b>
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QUALITY CONTROL REPORT-HOPPER DREDGE											PAGE NO. Page 305 of 377	
CONTRACT NO. W9127820F0001 W9127820F0032		CONTRACT TITLE IDIQ Hopper Dredge for Mobile Harbor				CONTRACTOR Dutra Dredging Co.				REPORT NO. 153		
CHARACTER OF REPORT		<input checked="" type="checkbox"/> MAINTENANCE <input type="checkbox"/> NEW WORK							DATE 12/30/2020			
DREDGE Columbia Hopper Dredge		HOPPER CAP: 4387 CY			AVG VOL OF BIN WATER: 0 CY			AVG UNFILLED CAP: 0 CY				
		NO. OF CREW MEMBERS		DREDGE 13		OTHER PLANT 4		WORK SCHEDULE		SHIFTS PER DAY 2		DAYS PER WEEK 7
LOCATION OF WORK		LOCATION CHANNEL Mobile Bay			REACH DREDGED; STA TO STA 256+95 to 317+00			DISPOSAL AREA USE Mobile Site 102 - SW		QTY DEPOSITED GROSS(CY) 2,635		CUMULATIVE AND QTY DEPOSIT FOR DA(CY) 1,038,035
		AVG LENGTH OF CUT 4500 FT			AVG WIDTH OF CUT 400 FT			AVG DIST TO DUMP 39 NM				
CHARACTER OF MATERIAL		DENSITY OF MATERIALS				1250		GMS/LITER		1250		
		DENSITY OF WATER				1006		GMS/LITER@		60 °F		
RIVER/TIDE STAGE		MIN -0.36		TIME 10:00		MAX 1.35		TIME 02:00		GAGE LOCATION		
		MIN 0.00		TIME 00:00		MAX 0.00		TIME 00:00		GAGE DATUM		
WEATHER CONDITION		WEATHER Weather Caused No Delay				TEMP 60 °F / 72 °F		VISIBILITY 10 MI		WIND 15 MPH		
DRAFT						DISTRIBUTION OF TIME AND MILES RUN						
		LIGHT		LOADED				AGITATING (MIN)	DREDGE & HAUL (MIN)	MILES RUN (NAUT MI)		
FORWARD		8		16		EFFECTIVE WORKING TIME:						
AFT		10		15		PUMPING:		00:00	02:09	0.0		
DRAG DEPTH		MAX 0		MIN 0		TURNING:		00:00	00:10	0.0		
INDICATORS LAST CHECKED ON		08/14/2019				TO DUMP:		00:00	05:27	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		1,500		DISCONNECTING:		00:00	00:00	0.0		
GALLONS OF WATER CONSUMED		GAL		748		TO CUT:		00:00	05:34	0.0		
						TOTALS:		00:00	13:24	0.0		
WORK PERFORMED						NON-EFFECTIVE WORKING TIME:						
						TAKING ON FUEL AND SUPPLIES		00:00	03:22	0.0		
						TO AND FROM WHARF OR ANCHORAGE:		00:00	01:49	0.0		
NO.OF LOADS 2		TOTAL CYS 2,635		DISPOSAL AREA Mobile Site 102 - SW		TOTAL CYS 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	05:25	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	10:36	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 307 of 377	
CONTRACT NO. W9127820F0001 W9127820F0032			CONTRACT TITLE IDIQ Hopper Dredge for Mobile Harbor				CONTRACTOR Dutra Dredging Co.			REPORT NO. 154	
CHARACTER OF REPORT			<input checked="" type="checkbox"/> MAINTENANCE <input type="checkbox"/> NEW WORK						DATE 12/31/2020		
DREDGE Columbia Hopper Dredge		HOPPER CAP: 4387 CY			AVG VOL OF BIN WATER: 0 CY			AVG UNFILLED CAP: 0 CY			
		NO. OF CREW MEMBERS	DREDGE		OTHER PLANT	WORK SCHEDULE		SHIFTS PER DAY	DAYS PER WEEK		
		13	4				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	256+95 to 317+00			Mobile Site 102 - SW		7,905	1,045,940		
		AVG LENGTH OF CUT 6100 FT			AVG WIDTH OF CUT 500 FT			AVG DIST TO DUMP 39 NM			
CHARACTER OF MATERIAL		DENSITY OF MATERIALS				1250		GMS/LITER		1250	
		DENSITY OF WATER				1006		GMS/LITER@		60 °F	
RIVER/TIDE STAGE		MIN 0.70	TIME 13:00		MAX 1.34	TIME 05:00		GAGE LOCATION			
		MIN 0.00	TIME 00:00		MAX 0.00	TIME 00:00		GAGE DATUM			
WEATHER CONDITION		WEATHER Weather Caused Critical Delay			TEMP 57 °F / 72 °F		VISIBILITY 10 MI	WIND 25 S MPH			
DRAFT					DISTRIBUTION OF TIME AND MILES RUN						
LIGHT		LOADED					AGITATING (MIN)	DREDGE & HAUL (MIN)	MILES RUN (NAUT MI)		
FORWARD		8	16			EFFECTIVE WORKING TIME:					
AFT		10	15			PUMPING:	00:00	01:57	0.0		
DRAG DEPTH		MAX 0	MIN 0			TURNING:	00:00	00:00	0.0		
INDICATORS LAST CHECKED ON		08/14/2019			TO DUMP:	00:00	08:37	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	3,840			DISCONNECTING:	00:00	00:00	0.0		
GALLONS OF WATER CONSUMED		GAL	748			TO CUT:	00:00	08:54	0.0		
					TOTALS:	00:00	19:40	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		0		LOSS DUE TO NATURAL ELEMENTS:	00:00	04:20	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	04:20	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**

<b>CONTRACT NO.</b> W9127820F0001 W9127820F0032	<b>CONTRACT TITLE</b> IDIQ Hopper Dredge for Mobile Harbor	<b>CONTRACTOR</b> Dutra Dredging Co.	<b>REPORT NO.</b> 154
<b>DREDGE</b>	<b>NAME AND TYPE</b> Columbia Hopper Dredge		<b>DATE</b> 12/31/2020

**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	256+95 to 317+00	00:00	0	83	87
	Mobile Site 102 - SW	00:00	0	4	2,635
					0
2	256+95 to 317+00	01:27	65	208	507
	Mobile Site 102 - SW	02:32	0	4	2,635
					230
3	256+95 to 317+00	09:54	52	226	493
	Mobile Site 102 - SW	10:46	0	4	2,635
					211
4	256+95 to 317+00	18:07	0	0	93
	Mobile Site 102 - SW	18:07	0	0	0
					93

**QC NARRATIVE(S)**

<b>CONTRACTOR CERTIFICATION</b>	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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<b>QC REPRESENTATIVE'S SIGNATURE</b>	<b>DATE</b>	<b>SUPERINTENDENT'S INITIALS</b>	<b>DATE</b>
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QUALITY CONTROL REPORT-HOPPER DREDGE										PAGE NO. Page 309 of 377					
<b>CONTRACT NO.</b> W9127820F0001 W9127820F0032		<b>CONTRACT TITLE</b> IDIQ Hopper Dredge for Mobile Harbor				<b>CONTRACTOR</b> Dutra Dredging Co.				<b>REPORT NO.</b>  155					
<b>CHARACTER OF REPORT</b>		<input checked="" type="checkbox"/> MAINTENANCE <input type="checkbox"/> NEW WORK							<b>DATE</b> 01/01/2021						
<b>DREDGE</b>  Columbia Hopper Dredge		HOPPER CAP: 4387 CY			AVG VOL OF BIN WATER: 0 CY			AVG UNFILLED CAP: 0 CY							
		NO. OF CREW MEMBERS		DREDGE		OTHER PLANT		WORK SCHEDULE		SHIFTS PER DAY	DAYS PER WEEK				
<b>LOCATION OF WORK</b>		LOCATION CHANNEL	REACH DREDGED; STA TO STA				DISPOSAL AREA USE	QTY DEPOSITED GROSS(CY)	CUMULATIVE AND QTY DEPOSIT FOR DA(CY)						
		Mobile Bay	256+95 to 317+00				Mobile Site 102 - SW	2,635	1,048,575						
<b>CHARACTER OF MATERIAL</b>		DENSITY OF MATERIALS			1250			GMS/LITER		1250					
		DENSITY OF WATER			1006			GMS/LITER@		60 °F					
<b>RIVER/TIDE STAGE</b>		MIN	0.95	TIME	15:00	MAX	2.77	TIME	23:00	GAGE LOCATION					
		MIN	0.00	TIME	00:00	MAX	0.00	TIME	00:00	GAGE DATUM					
<b>WEATHER CONDITION</b>		WEATHER Weather Caused Critical Delay				TEMP 54 °F / 70 °F		VISIBILITY 10 MI		WIND 30 S MPH					
<b>DRAFT</b>					<b>DISTRIBUTION OF TIME AND MILES RUN</b>										
<b>FORWARD</b>		LIGHT		LOADED				AGITATING (MIN)	DREDGE & HAUL (MIN)	MILES RUN (NAUT MI)					
		8		16				EFFECTIVE WORKING TIME:							
<b>AFT</b>		10		15				PUMPING:	00:00	01:36	0.0				
<b>DRAG DEPTH</b>		MAX 0		MIN 0				TURNING:	00:00	00:00	0.0				
<b>INDICATORS LAST CHECKED ON</b>		08/14/2019						TO DUMP:	00:00	03:46	0.0				
<b>AVERAGE SPEED OF DREDGE DURING LOADING</b>		FT/MIN		0				CONNECTING:	00:00	00:00	0.0				
<b>AVERAGE SPEED OF DREDGE DURING AGITATING</b>		FT/MIN		0				DUMPING:	00:00	00:04	0.0				
<b>GALLONS OF FUEL OIL CONSUMED</b>		GAL		1,213				DISCONNECTING:	00:00	00:00	0.0				
<b>GALLONS OF WATER CONSUMED</b>		GAL		561				TO CUT:	00:00	05:34	0.0				
								TOTALS:	00:00	11:00	0.0				
<b>WORK PERFORMED</b>					<b>NON-EFFECTIVE WORKING TIME:</b>										
								TAKING ON FUEL AND SUPPLIES	00:00	00:00	0.0				
								TO AND FROM WHARF OR ANCHORAGE:	00:00	00:00	0.0				
<b>NO.OF LOADS</b>		2	<b>TOTAL CYS</b>		2,635	<b>DISPOSAL AREA</b>		Mobile Site 102 - SW	<b>TOTAL CYS</b>	0	LOSS DUE TO NATURAL ELEMENTS:	00:00	13:00	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
<b>ATTENDANT PLANT</b>					<b>LAY TIME:</b>										
<b>ITEM</b>		<b>NAME OR NUMBER</b>		<b>H.P.</b>	<b>HOURS</b>			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	13:00	0.0				
<b>ATTENDANT PLANT</b>					<b>LOST TIME:</b>										
								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				

<b>QUALITY CONTROL REPORT-HOPPER DREDGE</b>			<b>PAGE NO.</b> Page 310 of 377
<b>CONTRACT NO.</b> W9127820F0001 W9127820F0032	<b>CONTRACT TITLE</b> IDIQ Hopper Dredge for Mobile Harbor	<b>CONTRACTOR</b> Dutra Dredging Co.	<b>REPORT NO.</b> 155
<b>DREDGE</b>	<b>NAME AND TYPE</b> Columbia Hopper Dredge		<b>DATE</b> 01/01/2021

<b>LOADS</b>					
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	256+95 to 317+00	13:00	60	226	421
	Mobile Site 102 - SW	14:00	0	4 131	2,635 0
2	256+95 to 317+00	20:01	36	0	239
	Mobile Site 102 - SW	20:37	0	0 203	0 0

**QC NARRATIVE(S)**

<b>CONTRACTOR CERTIFICATION</b>	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.		
<b>QC REPRESENTATIVE'S SIGNATURE</b>	<b>DATE</b>	<b>SUPERINTENDENT'S INITIALS</b>	<b>DATE</b>

QUALITY CONTROL REPORT-HOPPER DREDGE							PAGE NO. Page 311 of 377	
<b>CONTRACT NO.</b> W9127820F0001 W9127820F0032		<b>CONTRACT TITLE</b> IDIQ Hopper Dredge for Mobile Harbor			<b>CONTRACTOR</b> Dutra Dredging Co.		<b>REPORT NO.</b> 156	
<b>CHARACTER OF REPORT</b>		<input checked="" type="checkbox"/> MAINTENANCE <input type="checkbox"/> NEW WORK					<b>DATE</b> 01/02/2021	
<b>DREDGE</b> Columbia Hopper Dredge	HOPPER CAP:                      4387 CY			AVG VOL OF BIN WATER:                      0 CY		AVG UNFILLED CAP:                      0 CY		
	NO. OF CREW MEMBERS	DREDGE 13		OTHER PLANT 4	WORK SCHEDULE	SHIFTS PER DAY 2	DAYS PER WEEK 7	
<b>LOCATION OF WORK</b>	LOCATION CHANNEL Mobile Bay	REACH DREDGED; STA TO STA 256+95 to 317+00			DISPOSAL AREA USE Mobile Site 102 - SW	QTY DEPOSITED GROSS(CY) 7,905	CUMULATIVE AND QTY DEPOSIT FOR DA(CY) 1,056,480	
	AVG LENGTH OF CUT                      6100 FT		AVG WIDTH OF CUT                      500 FT		AVG DIST TO DUMP                      39 NM			
<b>CHARACTER OF MATERIAL</b>	DENSITY OF MATERIALS                      1250				GMS/LITER                      1250			
	DENSITY OF WATER                      1006				GMS/LITER@                      60 °F			
<b>RIVER/TIDE STAGE</b>	MIN                      0.64      TIME                      08:00	MAX                      0.95      TIME                      16:00		GAGE LOCATION				
	MIN                      0.00      TIME                      00:00	MAX                      0.00      TIME                      00:00		GAGE DATUM				
WEATHER CONDITION	WEATHER Weather Caused No Delay			TEMP 45 °F / 63 °F	VISIBILITY 10 MI	WIND 11 N MPH		
<b>DRAFT</b>				<b>DISTRIBUTION OF TIME AND MILES RUN</b>				
	LIGHT	LOADED			AGITATING (MIN)	DREDGE & HAUL (MIN)	MILES RUN (NAUT MI)	
FORWARD	8	16		EFFECTIVE WORKING TIME:				
AFT	10	15		PUMPING:	00:00	02:30	0.0	
DRAG DEPTH      MAX 0                      MIN 0				TURNING:	00:00	00:00	0.0	
INDICATORS LAST CHECKED ON      08/14/2019				TO DUMP:	00:00	10:55	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	3,629	DISCONNECTING:	00:00	00:00	0.0	
GALLONS OF WATER CONSUMED		GAL	561	TO CUT:	00:00	10:23	0.0	
				NON-EFFECTIVE WORKING TIME:				
<b>WORK PERFORMED</b>				TAKING ON FUEL AND SUPPLIES	00:00	00:00	0.0	
<b>DREDGING AND HAULING</b>			<b>AGITATING</b>	TO AND FROM WHARF OR ANCHORAGE:	00:00	00:00	0.0	
NO.OF LOADS 4	TOTAL CYS 7,905	DISPOSAL AREA Mobile Site 102 - SW		TOTAL CYS 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	
<b>ATTENDANT PLANT</b>				LAY TIME:	00:00	00:00	0.0	
<b>ITEM</b>	<b>NAME OR NUMBER</b>	<b>H.P.</b>	<b>HOURS</b>	FIRE AND BOAT DRILLS:				
Crew Boat	Cape Anne	400	24:00	00:00	00:00	00:00	0.0	
				MISCELLANEOUS				
				00:00	00:00	00:00	0.0	
				TOTALS				
				00:00	00:00	00:00	0.0	
				LOST TIME:				
				MAJOR REPAIRS AND ALTERNATIONS				
				00:00	00:00	00:00	0.0	
				CESSATION:				
				00:00	00:00	00:00	0.0	
				COLLISIONS:				
				00:00	00:00	00:00	0.0	
				TOTALS:				
				00:00	00:00	00:00	0.0	
				TOTAL TIME/MILES:				
				00:00	00:00	24:00	0.0	

<b>QUALITY CONTROL REPORT-HOPPER DREDGE</b>			<b>PAGE NO.</b> Page 312 of 377
<b>CONTRACT NO.</b> W9127820F0032	<b>CONTRACT TITLE</b> IDIQ Hopper Dredge for Mobile Harbor	<b>CONTRACTOR</b> Dutra Dredging Co.	<b>REPORT NO.</b> 156
<b>DREDGE</b>	<b>NAME AND TYPE</b> Columbia Hopper Dredge	<b>DATE</b> 01/02/2021	

<b>LOADS</b>					
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	256+95 to 317+00	00:00	24	211	239
	Mobile Site 102 - SW	00:24	0	4 0	2,635 0
2	256+95 to 317+00	03:59	66	216	521
	Mobile Site 102 - SW	05:05	0	4 235	2,635 0
3	256+95 to 317+00	12:40	60	228	491
	Mobile Site 102 - SW	13:40	0	4 199	2,635 0
4	256+95 to 317+00	20:51	0	0	189
	Mobile Site 102 - SW	20:51	0	0 189	0 0

**QC NARRATIVE(S)**

<b>CONTRACTOR CERTIFICATION</b>	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.		
<b>QC REPRESENTATIVE'S SIGNATURE</b>	<b>DATE</b>	<b>SUPERINTENDENT'S INITIALS</b>	<b>DATE</b>



QUALITY CONTROL REPORT-HOPPER DREDGE										PAGE NO. Page 313 of 377		
CONTRACT NO. W9127820F0001 W9127820F0032		CONTRACT TITLE IDIQ Hopper Dredge for Mobile Harbor				CONTRACTOR Dutra Dredging Co.				REPORT NO. 157		
CHARACTER OF REPORT		<input checked="" type="checkbox"/> MAINTENANCE <input type="checkbox"/> NEW WORK						DATE 01/03/2021				
DREDGE  Columbia Hopper Dredge		HOPPER CAP: 4387 CY			AVG VOL OF BIN WATER: 0 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		256+95 to 317+00			Mobile Site 102 - SW		7,905		1,064,385	
CHARACTER OF MATERIAL		AVG LENGTH OF CUT			AVG WIDTH OF CUT			AVG DIST TO DUMP		39 NM		
		6100 FT			500 FT							
DENSITY OF MATERIALS		DENSITY OF MATERIALS			1250			GMS/LITER		1250		
		DENSITY OF WATER			1006			GMS/LITER@		60 °F		
RIVER/TIDE STAGE		MIN -0.02		TIME 09:00		MAX 1.68		TIME 00:00		GAGE LOCATION		
		MIN 0.00		TIME 00:00		MAX 0.00		TIME 00:00		GAGE DATUM		
WEATHER CONDITION		WEATHER Weather Caused No Delay			TEMP 45 °F / 65 °F		VISIBILITY 10 MI		WIND 11 N MPH			
DRAFT						DISTRIBUTION OF TIME AND MILES RUN						
LIGHT		LOADED				AGITATING (MIN)		DREDGE & HAUL (MIN)		MILES RUN (NAUT MI)		
FORWARD		8		16		EFFECTIVE WORKING TIME:						
AFT		10		15		PUMPING:		00:00		02:55 0.0		
DRAG DEPTH		MAX 0		MIN 0		TURNING:		00:00		00:00 0.0		
INDICATORS LAST CHECKED ON		08/14/2019				TO DUMP:		00:00		11:04 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		2,877		DISCONNECTING:		00:00		00:00 0.0		
GALLONS OF WATER CONSUMED		GAL		561		TO CUT:		00:00		09:49 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				
4		7,905		Mobile Site 102 - SW		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		00:00 0.0		
TOTALS						TOTALS		00:00		00:00 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		



QUALITY CONTROL REPORT-HOPPER DREDGE										PAGE NO. Page 315 of 377		
CONTRACT NO. W9127820F0001 W9127820F0032		CONTRACT TITLE IDIQ Hopper Dredge for Mobile Harbor				CONTRACTOR Dutra Dredging Co.				REPORT NO. 158		
CHARACTER OF REPORT		<input checked="" type="checkbox"/> MAINTENANCE <input type="checkbox"/> NEW WORK						DATE 01/04/2021				
DREDGE Columbia Hopper Dredge		HOPPER CAP: 4387 CY			AVG VOL OF BIN WATER: 0 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		256+95 to 317+00			Mobile Site 102 - SW		7,905		1,072,290	
CHARACTER OF MATERIAL		AVG LENGTH OF CUT			AVG WIDTH OF CUT			AVG DIST TO DUMP				
		6100 FT			500 FT			39 NM				
DENSITY OF MATERIALS		DENSITY OF MATERIALS			1250			GMS/LITER		1250		
		DENSITY OF WATER			1006			GMS/LITER@		60 °F		
RIVER/TIDE STAGE		MIN 0.39		TIME 09:00		MAX 1.73		TIME 00:00		GAGE LOCATION		
		MIN 0.00		TIME 00:00		MAX 0.00		TIME 00:00		GAGE DATUM		
WEATHER CONDITION		WEATHER Weather Caused No Delay			TEMP 44 °F / 62 °F		VISIBILITY 10 MI		WIND 11 N MPH			
DRAFT						DISTRIBUTION OF TIME AND MILES RUN						
LIGHT		LOADED						AGITATING (MIN)		DREDGE & HAUL (MIN)		MILES RUN (NAUT MI)
FORWARD		8		16		EFFECTIVE WORKING TIME:						
AFT		10		15		PUMPING:		00:00		02:58		0.0
DRAG DEPTH		MAX 0		MIN 0		TURNING:		00:00		00:00		0.0
INDICATORS LAST CHECKED ON		08/14/2019				TO DUMP:		00:00		10:44		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		3,296		DISCONNECTING:		00:00		00:00		0.0
GALLONS OF WATER CONSUMED		GAL		748		TO CUT:		00:00		10:06		0.0
NON-EFFECTIVE WORKING TIME:						TOTALS:		00:00		24:00		0.0
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		0.0
4		7,905		Mobile Site 102 - SW		0		LOSS DUE TO TRAFFIC AND BRIDGES		00:00		0.0
								MINOR OPERATING REPAIRS		00:00		0.0
								TRANSFERRING BETWEEN WORKS		00:00		0.0
								LAY TIME:		00:00		0.0
								FIRE AND BOAT DRILLS:		00:00		0.0
								MISCELLANEOUS		00:00		0.0
								TOTALS		00:00		0.0
ATTENDANT PLANT						LOST TIME:						
ITEM		NAME OR NUMBER		H.P.		HOURS		MAJOR REPAIRS AND ALTERNATIONS		00:00		0.0
Crew Boat		Cape Anne		400		24:00		CESSATION:		00:00		0.0
								COLLISIONS:		00:00		0.0
								TOTALS:		00:00		0.0
								TOTAL TIME/MILES:		00:00		24:00

<b>QUALITY CONTROL REPORT-HOPPER DREDGE</b>			<b>PAGE NO.</b> Page 316 of 377
<b>CONTRACT NO.</b> W9127820F0001 W9127820F0032	<b>CONTRACT TITLE</b> IDIQ Hopper Dredge for Mobile Harbor	<b>CONTRACTOR</b> Dutra Dredging Co.	<b>REPORT NO.</b> 158
<b>DREDGE</b>	<b>NAME AND TYPE</b> Columbia Hopper Dredge		<b>DATE</b> 01/04/2021

**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	256+95 to 317+00	00:00	60	210	309
	Mobile Site 102 - SW	01:00	0	4	2,635
				35	0
2	256+95 to 317+00	05:09	67	212	498
	Mobile Site 102 - SW	06:16	0	4	2,635
				215	0
3	256+95 to 317+00	13:27	51	222	465
	Mobile Site 102 - SW	14:18	0	4	2,635
				188	0
4	256+95 to 317+00	21:12	0	0	168
	Mobile Site 102 - SW	21:12	0	0	0
				168	0

**QC NARRATIVE(S)**

<b>CONTRACTOR CERTIFICATION</b>	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.		
<b>QC REPRESENTATIVE'S SIGNATURE</b>	<b>DATE</b>	<b>SUPERINTENDENT'S INITIALS</b>	<b>DATE</b>

QUALITY CONTROL REPORT-HOPPER DREDGE										PAGE NO. Page 317 of 377	
CONTRACT NO. W9127820F0001 W9127820F0032		CONTRACT TITLE IDIQ Hopper Dredge for Mobile Harbor				CONTRACTOR Dutra Dredging Co.				REPORT NO. 159	
CHARACTER OF REPORT		<input checked="" type="checkbox"/> MAINTENANCE <input type="checkbox"/> NEW WORK						DATE 01/05/2021			
DREDGE Columbia Hopper Dredge		HOPPER CAP: 4387 CY		AVG VOL OF BIN WATER: 0 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	256+95 to 317+00			Mobile Site 102 - SW	7,905	1,080,195			
CHARACTER OF MATERIAL		AVG LENGTH OF CUT		AVG WIDTH OF CUT		AVG DIST TO DUMP		39 NM			
		DENSITY OF MATERIALS				1250		GMS/LITER		1250	
RIVER/TIDE STAGE		DENSITY OF WATER				1006		GMS/LITER@		60 °F	
		MIN	0.29	TIME	09:00	MAX	1.32	TIME	00:00	GAGE LOCATION	
WEATHER CONDITION		MIN	0.00	TIME	00:00	MAX	0.00	TIME	00:00	GAGE DATUM	
		WEATHER Weather Caused No Delay		TEMP 39 °F / 60 °F		VISIBILITY 10 MI		WIND 8 N MPH			
DRAFT					DISTRIBUTION OF TIME AND MILES RUN						
	LIGHT		LOADED			AGITATING (MIN)	DREDGE & HAUL (MIN)	MILES RUN (NAUT MI)			
FORWARD	8		16		EFFECTIVE WORKING TIME:						
AFT	10		15		PUMPING:	00:00	03:08	0.0			
DRAG DEPTH	MAX 0	MIN 0			TURNING:	00:00	00:00	0.0			
INDICATORS LAST CHECKED ON	08/14/2019										
AVERAGE SPEED OF DREDGE DURING LOADING		FT/MIN		0	TO DUMP:	00:00	10:50	0.0			
AVERAGE SPEED OF DREDGE DURING AGITATING		FT/MIN		0	CONNECTING:	00:00	00:00	0.0			
GALLONS OF FUEL OIL CONSUMED		GAL		2,712	DUMPING:	00:00	00:12	0.0			
GALLONS OF WATER CONSUMED		GAL		748	DISCONNECTING:	00:00	00:00	0.0			
					TO CUT:	00:00	09:35	0.0			
					TOTALS:	00:00	23:45	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	0	LOSS DUE TO NATURAL ELEMENTS:	00:00	00:00	0.0			
4	7,905	Mobile Site 102 - SW			LOSS DUE TO TRAFFIC AND BRIDGES	00:00	00:00	0.0			
					MINOR OPERATING REPAIRS	00:00	00:15	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			
					MISCELLANEOUS	00:00	00:00	0.0			
					TOTALS	00:00	00:15	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 319 of 377			
CONTRACT NO. W9127820F0001 W9127820F0032		CONTRACT TITLE IDIQ Hopper Dredge for Mobile Harbor				CONTRACTOR Dutra Dredging Co.				REPORT NO. 160			
CHARACTER OF REPORT		<input checked="" type="checkbox"/> MAINTENANCE <input type="checkbox"/> NEW WORK						DATE 01/06/2021					
DREDGE Columbia Hopper Dredge		HOPPER CAP: 4387 CY			AVG VOL OF BIN WATER: 0 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		256+95 to 317+00			Mobile Site 102 - SW		7,905		1,088,100		
CHARACTER OF MATERIAL		AVG LENGTH OF CUT			AVG WIDTH OF CUT			AVG DIST TO DUMP		39 NM			
		DENSITY OF MATERIALS						1250		GMS/LITER		1250	
RIVER/TIDE STAGE		DENSITY OF WATER						1006		GMS/LITER@		60 °F	
		MIN 0.22		TIME 09:00		MAX 1.21		TIME 17:00		GAGE LOCATION			
WEATHER CONDITION		MIN 0.00		TIME 00:00		MAX 0.00		TIME 00:00		GAGE DATUM			
		WEATHER Weather Caused No Delay			TEMP 39 °F / 58 °F		VISIBILITY 10 MI		WIND 5 MPH				
DRAFT						DISTRIBUTION OF TIME AND MILES RUN							
LIGHT		LOADED						AGITATING (MIN)		DREDGE & HAUL (MIN)		MILES RUN (NAUT MI)	
FORWARD		8		16		EFFECTIVE WORKING TIME:							
AFT		10		15		PUMPING:		00:00		03:09		0.0	
DRAG DEPTH		MAX 0		MIN 0		TURNING:		00:00		00:06		0.0	
INDICATORS LAST CHECKED ON		08/14/2019				TO DUMP:		00:00		10:56		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		2,750		DISCONNECTING:		00:00		00:00		0.0	
GALLONS OF WATER CONSUMED		GAL		748		TO CUT:		00:00		08:47		0.0	
						TOTALS:		00:00		23:10		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		0.0	
4		7,905		Mobile Site 102 - SW		0		LOSS DUE TO TRAFFIC AND BRIDGES		00:00		0.0	
								MINOR OPERATING REPAIRS		00:00		0.0	
								TRANSFERRING BETWEEN WORKS		00:00		0.0	
								LAY TIME:		00:00		0.0	
ITEM		NAME OR NUMBER		H.P.		HOURS		FIRE AND BOAT DRILLS:		00:00		0.0	
Crew Boat		Cape Anne		400		24:00		MISCELLANEOUS		00:00		0.0	
								TOTALS		00:00		00:50	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

<b>QUALITY CONTROL REPORT-HOPPER DREDGE</b>			<b>PAGE NO.</b> Page 320 of 377		
<b>CONTRACT NO.</b> W9127820F0001 W9127820F0032	<b>CONTRACT TITLE</b> IDIQ Hopper Dredge for Mobile Harbor		<b>CONTRACTOR</b> Dutra Dredging Co.		<b>REPORT NO.</b> 160
<b>DREDGE</b>	<b>NAME AND TYPE</b> Columbia Hopper Dredge				<b>DATE</b> 01/06/2021

**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	256+95 to 317+00	00:00	53	218	322
	Mobile Site 102 - SW	00:53	0	4	2,635
					47
2	256+95 to 317+00	05:37	56	215	475
	Mobile Site 102 - SW	06:39	6	4	2,635
					194
3	256+95 to 317+00	13:32	80	223	488
	Mobile Site 102 - SW	14:52	0	4	2,635
					181
4	256+95 to 317+00	22:00	0	0	105
	Mobile Site 102 - SW	22:00	0	0	0
					105

**QC NARRATIVE(S)**

<b>CONTRACTOR CERTIFICATION</b>		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.			
<b>QC REPRESENTATIVE'S SIGNATURE</b>		<b>DATE</b>	<b>SUPERINTENDENT'S INITIALS</b>		<b>DATE</b>



QUALITY CONTROL REPORT-HOPPER DREDGE										PAGE NO. Page 321 of 377	
CONTRACT NO. W9127820F0001 W9127820F0032		CONTRACT TITLE IDIQ Hopper Dredge for Mobile Harbor				CONTRACTOR Dutra Dredging Co.				REPORT NO. 161	
CHARACTER OF REPORT		<input checked="" type="checkbox"/> MAINTENANCE <input type="checkbox"/> NEW WORK						DATE 01/07/2021			
DREDGE  Columbia Hopper Dredge		HOPPER CAP: 4387 CY			AVG VOL OF BIN WATER: 0 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		256+95 to 317+00			Mobile Site 102 - SW		5,270		1,093,370
CHARACTER OF MATERIAL		AVG LENGTH OF CUT			AVG WIDTH OF CUT			AVG DIST TO DUMP			
		6100 FT			500 FT			39 NM			
DENSITY OF MATERIALS		DENSITY OF MATERIALS			1250			GMS/LITER		1250	
		DENSITY OF WATER			1006			GMS/LITER@		60 °F	
RIVER/TIDE STAGE		MIN 0.83		TIME 02:00		MAX 1.83		TIME 13:00		GAGE LOCATION	
		MIN 0.00		TIME 00:00		MAX 0.00		TIME 00:00		GAGE DATUM	
WEATHER CONDITION		WEATHER Weather Caused Critical Delay			TEMP 39 °F / 58 °F		VISIBILITY 10 MI		WIND 35 ESE MPH		
DRAFT						DISTRIBUTION OF TIME AND MILES RUN					
LIGHT		LOADED				AGITATING (MIN)		DREDGE & HAUL (MIN)		MILES RUN (NAUT MI)	
FORWARD		8		16		EFFECTIVE WORKING TIME:					
AFT		10		15		PUMPING:		00:00		03:17 0.0	
DRAG DEPTH		MAX 0		MIN 0		TURNING:		00:00		00:00 0.0	
INDICATORS LAST CHECKED ON		08/14/2019				TO DUMP:		00:00		08:27 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		2,738		DISCONNECTING:		00:00		00:00 0.0	
GALLONS OF WATER CONSUMED		GAL		561		TO CUT:		00:00		08:49 0.0	
WORK PERFORMED						TOTALS:		00:00		20:41 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	
3		5,270		Mobile Site 102 - SW		0		TO AND FROM WHARF OR ANCHORAGE:		00:00 00:00 0.0	
								LOSS DUE TO NATURAL ELEMENTS:		00:00 03:07 0.0	
								LOSS DUE TO TRAFFIC AND BRIDGES		00:00 00:00 0.0	
								MINOR OPERATING REPAIRS		00:00 00:12 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 03:19 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 323 of 377	
CONTRACT NO. W9127820F0001 W9127820F0032		CONTRACT TITLE IDIQ Hopper Dredge for Mobile Harbor				CONTRACTOR Dutra Dredging Co.				REPORT NO. 162	
CHARACTER OF REPORT		<input checked="" type="checkbox"/> MAINTENANCE <input type="checkbox"/> NEW WORK						DATE 01/08/2021			
DREDGE Columbia Hopper Dredge		HOPPER CAP: 4387 CY		AVG VOL OF BIN WATER: 0 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	245+00 to 317+00			Mobile Site 102 - SW	7,095	1,100,465			
CHARACTER OF MATERIAL		AVG LENGTH OF CUT		AVG WIDTH OF CUT		AVG DIST TO DUMP		39 NM			
		6100 FT		500 FT							
RIVER/TIDE STAGE		DENSITY OF MATERIALS		1250		GMS/LITER		1250			
		DENSITY OF WATER		1006		GMS/LITER@		60 °F			
WEATHER CONDITION		MIN 0.83		TIME 02:00		MAX 1.83		TIME 13:00		GAGE LOCATION	
		MIN 0.00		TIME 00:00		MAX 0.00		TIME 00:00		GAGE DATUM	
WEATHER		Weather Caused No Delay		TEMP 44 °F / 50 °F		VISIBILITY 10 MI		WIND 20/N MPH			
DRAFT					DISTRIBUTION OF TIME AND MILES RUN						
FORWARD	LIGHT	LOADED				AGITATING (MIN)	DREDGE & HAUL (MIN)	MILES RUN (NAUT MI)			
	8	16									
AFT	10	15									
DRAG DEPTH		MAX 0	MIN 0								
INDICATORS LAST CHECKED ON		08/14/2019									
AVERAGE SPEED OF DREDGE DURING LOADING		FT/MIN	0								
AVERAGE SPEED OF DREDGE DURING AGITATING		FT/MIN	0								
GALLONS OF FUEL OIL CONSUMED		GAL	2,381								
GALLONS OF WATER CONSUMED		GAL	561								
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	7,095	Mobile Site 102 - SW	0		LOSS DUE TO TRAFFIC AND BRIDGES	00:00	00:00	0.0			
					MINOR OPERATING REPAIRS	00:00	00:19	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	00:19	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			

<b>QUALITY CONTROL REPORT-HOPPER DREDGE</b>			<b>PAGE NO.</b> Page 324 of 377
<b>CONTRACT NO.</b> W9127820F0001 W9127820F0032	<b>CONTRACT TITLE</b> IDIQ Hopper Dredge for Mobile Harbor	<b>CONTRACTOR</b> Dutra Dredging Co.	<b>REPORT NO.</b> 162
<b>DREDGE</b>	<b>NAME AND TYPE</b> Columbia Hopper Dredge	<b>DATE</b> 01/08/2021	

**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	256+95 to 317+00	00:00	0	149	153
	Mobile Site 102 - SW	00:00	0	4	0
				0	0
2	256+95 to 317+00	02:33	61	233	522
	Mobile Site 102 - SW	03:34	0	4	2,365
				224	0
3	245+00 to 292+00	11:15	46	228	476
	Mobile Site 102 - SW	12:01	0	4	2,365
				198	0
4	245+00 to 292+00	19:11	69	0	270
	Mobile Site 102 - SW	20:20	0	4	2,365
				197	0

**QC NARRATIVE(S)**

<b>CONTRACTOR CERTIFICATION</b>	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.		
<b>QC REPRESENTATIVE'S SIGNATURE</b>	<b>DATE</b>	<b>SUPERINTENDENT'S INITIALS</b>	<b>DATE</b>

QUALITY CONTROL REPORT-HOPPER DREDGE										PAGE NO. Page 325 of 377	
CONTRACT NO. W9127820F0001 W9127820F0032		CONTRACT TITLE IDIQ Hopper Dredge for Mobile Harbor				CONTRACTOR Dutra Dredging Co.				REPORT NO. 163	
CHARACTER OF REPORT		<input checked="" type="checkbox"/> MAINTENANCE <input type="checkbox"/> NEW WORK						DATE 01/09/2021			
DREDGE Columbia Hopper Dredge		HOPPER CAP: 4387 CY			AVG VOL OF BIN WATER: 0 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		245+00 to 292+00			Mobile Site 102 - SW		7,095	1,107,560	
CHARACTER OF MATERIAL		DENSITY OF MATERIALS			1250			GMS/LITER		1250	
		DENSITY OF WATER			1006			GMS/LITER@		60 °F	
RIVER/TIDE STAGE		MIN 0.83		TIME 02:00		MAX 1.83		TIME 13:00		GAGE LOCATION	
		MIN 0.00		TIME 00:00		MAX 0.00		TIME 00:00		GAGE DATUM	
WEATHER CONDITION		WEATHER Weather Caused No Delay			TEMP 37 °F / 48 °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		16		EFFECTIVE WORKING TIME:					
AFT		10		15		PUMPING:	00:00	02:11	0.0		
DRAG DEPTH		MAX 0		MIN 0		TURNING:	00:00	00:00	0.0		
INDICATORS LAST CHECKED ON		08/14/2019									
AVERAGE SPEED OF DREDGE DURING LOADING		FT/MIN		0		TO DUMP:	00:00	11:01	0.0		
AVERAGE SPEED OF DREDGE DURING AGITATING		FT/MIN		0		CONNECTING:	00:00	00:00	0.0		
GALLONS OF FUEL OIL CONSUMED		GAL		2,831		DUMPING:	00:00	00:18	0.0		
GALLONS OF WATER CONSUMED		GAL		561		DISCONNECTING:	00:00	00:00	0.0		
						TO CUT:	00:00	10:30	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		
NO.OF LOADS		TOTAL CYS	DISPOSAL AREA		TOTAL CYS	LOSS DUE TO NATURAL ELEMENTS:	00:00	00:00	0.0		
4		7,095	Mobile Site 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		
						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		

<b>QUALITY CONTROL REPORT-HOPPER DREDGE</b>				PAGE NO. Page 326 of 377	
<b>CONTRACT NO.</b> W9127820F0001 W9127820F0032		<b>CONTRACT TITLE</b> IDIQ Hopper Dredge for Mobile Harbor		<b>CONTRACTOR</b> Dutra Dredging Co.	
<b>DREDGE</b>		<b>REPORT NO.</b> 163			
		<b>NAME AND TYPE</b> Columbia Hopper Dredge			
		<b>DATE</b> 01/09/2021			

**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	245+00 to 292+00	00:00	0	209	219
	Mobile Site 102 - SW	00:00	0	10	2,365
				0	0
2	245+00 to 292+00	03:39	64	235	531
	Mobile Site 102 - SW	04:43	0	4	2,365
				228	0
3	245+00 to 292+00	12:30	48	217	466
	Mobile Site 102 - SW	13:18	0	4	2,365
				197	0
4	245+00 to 292+00	20:16	19	0	224
	Mobile Site 102 - SW	20:35	0	0	0
				205	0

**QC NARRATIVE(S)**

<b>CONTRACTOR CERTIFICATION</b>		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.			
<b>QC REPRESENTATIVE'S SIGNATURE</b>		<b>DATE</b>	<b>SUPERINTENDENT'S INITIALS</b>	<b>DATE</b>	

QUALITY CONTROL REPORT-HOPPER DREDGE										PAGE NO. Page 327 of 377	
CONTRACT NO. W9127820F0001 W9127820F0032		CONTRACT TITLE IDIQ Hopper Dredge for Mobile Harbor				CONTRACTOR Dutra Dredging Co.				REPORT NO. 164	
CHARACTER OF REPORT		<input checked="" type="checkbox"/> MAINTENANCE <input type="checkbox"/> NEW WORK						DATE 01/10/2021			
DREDGE  Columbia Hopper Dredge		HOPPER CAP: 4387 CY			AVG VOL OF BIN WATER: 0 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		245+00 to 292+00			Mobile Site 102 - SW		7,095		1,114,655
CHARACTER OF MATERIAL		AVG LENGTH OF CUT			AVG WIDTH OF CUT			AVG DIST TO DUMP			
		4700 FT			500 FT			39 NM			
DENSITY OF MATERIALS		DENSITY OF MATERIALS			1250			GMS/LITER		1250	
		DENSITY OF WATER			1006			GMS/LITER@		60 °F	
RIVER/TIDE STAGE		MIN 0.83		TIME 02:00		MAX 1.83		TIME 13:00		GAGE LOCATION	
		MIN 0.00		TIME 00:00		MAX 0.00		TIME 00:00		GAGE DATUM	
WEATHER CONDITION		WEATHER Weather Caused No Delay			TEMP 35 °F / 48 °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		16		EFFECTIVE WORKING TIME:					
AFT		10		15		PUMPING:		00:00		02:37 0.0	
DRAG DEPTH		MAX 0		MIN 0		TURNING:		00:00		00:00 0.0	
INDICATORS LAST CHECKED ON		08/14/2019				TO DUMP:		00:00		11:05 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		2,831		DISCONNECTING:		00:00		00:00 0.0	
GALLONS OF WATER CONSUMED		GAL		748		TO CUT:		00:00		10:06 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			
4		7,095		Mobile Site 102 - SW		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		00:00 0.0	
TOTALS						TOTALS		00:00		00:00 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	





QUALITY CONTROL REPORT-HOPPER DREDGE										PAGE NO. Page 329 of 377	
CONTRACT NO. W9127820F0001 W9127820F0032		CONTRACT TITLE IDIQ Hopper Dredge for Mobile Harbor				CONTRACTOR Dutra Dredging Co.				REPORT NO. 165	
CHARACTER OF REPORT		<input checked="" type="checkbox"/> MAINTENANCE <input type="checkbox"/> NEW WORK						DATE 01/11/2021			
DREDGE Columbia Hopper Dredge		HOPPER CAP: 4387 CY		AVG VOL OF BIN WATER: 0 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	245+00 to 292+00			Mobile Site 102 - SW	7,095	1,121,750			
CHARACTER OF MATERIAL		AVG LENGTH OF CUT		AVG WIDTH OF CUT		AVG DIST TO DUMP		39 NM			
		4700 FT		500 FT							
RIVER/TIDE STAGE		DENSITY OF MATERIALS				1250		GMS/LITER		1250	
		DENSITY OF WATER				1006		GMS/LITER@		60 °F	
WEATHER CONDITION		WEATHER		TEMP		VISIBILITY		WIND			
		Weather Caused No Delay		40 °F / 45 °F		10 MI		20/N MPH			
DRAFT					DISTRIBUTION OF TIME AND MILES RUN						
	LIGHT		LOADED			AGITATING (MIN)	DREDGE & HAUL (MIN)	MILES RUN (NAUT MI)			
FORWARD	8		16		EFFECTIVE WORKING TIME:						
AFT	10		15		PUMPING:	00:00	03:16	0.0			
DRAG DEPTH	MAX 0		MIN 0		TURNING:	00:00	00:00	0.0			
INDICATORS LAST CHECKED ON	08/14/2019				TO DUMP:	00:00	11:09	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		3,073		DISCONNECTING:	00:00	00:00	0.0			
GALLONS OF WATER CONSUMED	GAL		748		TO CUT:	00:00	09:23	0.0			
					TOTALS:	00:00	24:00	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			
4	7,095	Mobile Site 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			
					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 ALTERNATIONS	00:00	00:00	0.0			
Crew Boat	Cape Anne		400	24:00	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**

<b>CONTRACT NO.</b> W9127820F0001 W9127820F0032	<b>CONTRACT TITLE</b> IDIQ Hopper Dredge for Mobile Harbor	<b>CONTRACTOR</b> Dutra Dredging Co.	<b>REPORT NO.</b> 165
<b>DREDGE</b>	<b>NAME AND TYPE</b> Columbia Hopper Dredge	<b>DATE</b> 01/11/2021	

**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	245+00 to 292+00 Mobile Site 102 - SW	00:00 01:04	64 0	212 4 1	281 2,365 0
2	245+00 to 292+00 Mobile Site 102 - SW	04:41 05:48	67 0	233 4 229	533 2,365 0
3	245+00 to 292+00 Mobile Site 102 - SW	13:34 14:39	65 0	224 4 208	501 2,365 0
4	245+00 to 292+00 Mobile Site 102 - SW	21:55 21:55	0 0	0 0 125	125 0 0

**QC NARRATIVE(S)**

<b>CONTRACTOR CERTIFICATION</b>	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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<b>QC REPRESENTATIVE'S SIGNATURE</b>	<b>DATE</b>	<b>SUPERINTENDENT'S INITIALS</b>	<b>DATE</b>
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QUALITY CONTROL REPORT-HOPPER DREDGE										PAGE NO. Page 331 of 377						
CONTRACT NO. W9127820F0001 W9127820F0032		CONTRACT TITLE IDIQ Hopper Dredge for Mobile Harbor				CONTRACTOR Dutra Dredging Co.				REPORT NO. 166						
CHARACTER OF REPORT		<input checked="" type="checkbox"/> MAINTENANCE <input type="checkbox"/> NEW WORK						DATE 01/12/2021								
DREDGE Columbia Hopper Dredge		HOPPER CAP: 4387 CY			AVG VOL OF BIN WATER: 0 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		245+00 to 292+00			Mobile Site 102 - SW		7,095	1,128,845						
CHARACTER OF MATERIAL		AVG LENGTH OF CUT			AVG WIDTH OF CUT			AVG DIST TO DUMP		39 NM						
		DENSITY OF MATERIALS			1250			GMS/LITER		1250						
RIVER/TIDE STAGE		DENSITY OF WATER			1006			GMS/LITER@		60 °F						
		MIN	0.83	TIME	02:00	MAX	1.83	TIME	13:00	GAGE LOCATION						
WEATHER CONDITION		MIN			0.00			TIME		00:00	MAX	0.00	TIME	00:00	GAGE DATUM	
		WEATHER			TEMP			VISIBILITY		WIND		Weather Caused No Delay		38 °F / 43 °F		10 MI
DRAFT						DISTRIBUTION OF TIME AND MILES RUN										
LIGHT		LOADED				AGITATING (MIN)		DREDGE & HAUL (MIN)		MILES RUN (NAUT MI)						
FORWARD		8		16		EFFECTIVE WORKING TIME:										
AFT		10		15		PUMPING:		00:00	03:21	0.0						
DRAG DEPTH		MAX 0		MIN 0		TURNING:		00:00	00:00	0.0						
INDICATORS LAST CHECKED ON 08/14/2019						TO DUMP:		00:00	11:00	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		3,263		DISCONNECTING:		00:00	00:00	0.0						
GALLONS OF WATER CONSUMED		GAL		748		TO CUT:		00:00	09:27	0.0						
NON-EFFECTIVE WORKING TIME:						TOTALS:		00:00	24:00	0.0						
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	7,095	Mobile Site 102 - SW			0	LOSS DUE TO TRAFFIC AND BRIDGES		00:00	00:00	0.0						
ATTENDANT PLANT						MINOR OPERATING REPAIRS		00:00	00:00	0.0						
ITEM		NAME OR NUMBER		H.P.	HOURS	TRANSFERRING BETWEEN WORKS		00:00	00:00	0.0						
Crew Boat		Cape Anne		400	24:00	LAY TIME:		00:00	00:00	0.0						
FIRE AND BOAT DRILLS:						MISCELLANEOUS		00:00	00:00	0.0						
TOTALS						TOTALS		00:00	00:00	0.0						
LOST TIME:						MAJOR REPAIRS AND ALTERNATIONS		00:00	00:00	0.0						
CESSATION:						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.**  
W9127820F0001  
W9127820F0032

**CONTRACT TITLE**  
IDIQ Hopper Dredge for Mobile Harbor

**CONTRACTOR**  
Dutra Dredging Co.

**REPORT NO.**  
166

**DREDGE**

**NAME AND TYPE**  
Columbia Hopper Dredge

**DATE**  
01/12/2021

**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	245+00 to 292+00	00:00	74	204	362
	Mobile Site 102 - SW	01:14	0	4	2,365
					80
2	245+00 to 292+00	06:02	62	230	515
	Mobile Site 102 - SW	07:04	0	4	2,365
					219
3	245+00 to 292+00	14:37	65	226	492
	Mobile Site 102 - SW	15:42	0	4	2,365
					197
4	245+00 to 292+00	22:49	0	0	71
	Mobile Site 102 - SW	22:49	0	0	0
					71

**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 333 of 377	
CONTRACT NO. W9127820F0001 W9127820F0032		CONTRACT TITLE IDIQ Hopper Dredge for Mobile Harbor				CONTRACTOR Dutra Dredging Co.				REPORT NO. 167	
CHARACTER OF REPORT		<input checked="" type="checkbox"/> MAINTENANCE <input type="checkbox"/> NEW WORK						DATE 01/13/2021			
DREDGE Columbia Hopper Dredge		HOPPER CAP: 4387 CY			AVG VOL OF BIN WATER: 0 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		245+00 to 292+00			Mobile Site 102 - SW		4,730	1,133,575	
CHARACTER OF MATERIAL		AVG LENGTH OF CUT			AVG WIDTH OF CUT			AVG DIST TO DUMP			
		4700 FT			500 FT			39 NM			
DENSITY OF MATERIALS		DENSITY OF MATERIALS			1250			GMS/LITER		1250	
		DENSITY OF WATER			1006			GMS/LITER@		60 °F	
RIVER/TIDE STAGE		MIN 0.83		TIME 02:00		MAX 1.83		TIME 13:00		GAGE LOCATION	
		MIN 0.00		TIME 00:00		MAX 0.00		TIME 00:00		GAGE DATUM	
WEATHER CONDITION		WEATHER Weather Caused No Delay			TEMP 38 °F / 42 °F		VISIBILITY 10 MI		WIND 10/N MPH		
DRAFT					DISTRIBUTION OF TIME AND MILES RUN						
LIGHT		LOADED					AGITATING (MIN)	DREDGE & HAUL (MIN)	MILES RUN (NAUT MI)		
FORWARD		8			16			EFFECTIVE WORKING TIME:			
AFT		10			15			PUMPING:	00:00	02:53	0.0
DRAG DEPTH		MAX 0			MIN 0			TURNING:	00:00	00:00	0.0
INDICATORS LAST CHECKED ON		08/14/2019						TO DUMP:	00:00	10:44	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	00:49	0.0
GALLONS OF FUEL OIL CONSUMED		GAL			3,000			DISCONNECTING:	00:00	00:00	0.0
GALLONS OF WATER CONSUMED		GAL			748			TO CUT:	00:00	09:04	0.0
								TOTALS:	00:00	23:30	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	4,730	Mobile Site 102 - SW		0	LOSS DUE TO NATURAL ELEMENTS:		00:00	00:00	0.0		
					LOSS DUE TO TRAFFIC AND BRIDGES		00:00	00:30	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	00:30	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**

<b>CONTRACT NO.</b> W9127820F0001 W9127820F0032	<b>CONTRACT TITLE</b> IDIQ Hopper Dredge for Mobile Harbor	<b>CONTRACTOR</b> Dutra Dredging Co.	<b>REPORT NO.</b> 167
<b>DREDGE</b>	<b>NAME AND TYPE</b> Columbia Hopper Dredge		<b>DATE</b> 01/13/2021

**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	245+00 to 292+00 Mobile Site 102 - SW	00:00 00:50	50 0	201 4 130	385 2,365 0
2	245+00 to 292+00 Mobile Site 102 - SW	06:25 07:28	63 0	239 45 215	562 2,365 0
3	245+00 to 292+00 Mobile Site 102 - SW	15:47 16:47	60 0	204 0 199	463 0 0

**QC NARRATIVE(S)**

<b>CONTRACTOR CERTIFICATION</b>	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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<b>QC REPRESENTATIVE'S SIGNATURE</b>	<b>DATE</b>	<b>SUPERINTENDENT'S INITIALS</b>	<b>DATE</b>
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QUALITY CONTROL REPORT-HOPPER DREDGE										PAGE NO. Page 335 of 377			
CONTRACT NO. W9127820F0001 W9127820F0032		CONTRACT TITLE IDIQ Hopper Dredge for Mobile Harbor				CONTRACTOR Dutra Dredging Co.				REPORT NO. 168			
CHARACTER OF REPORT		<input checked="" type="checkbox"/> MAINTENANCE <input type="checkbox"/> NEW WORK						DATE 01/14/2021					
DREDGE  Columbia Hopper Dredge		HOPPER CAP: 4387 CY			AVG VOL OF BIN WATER: 0 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		245+00 to 292+00			Mobile Site 102 - SW		7,905		1,141,480		
CHARACTER OF MATERIAL		AVG LENGTH OF CUT			AVG WIDTH OF CUT			AVG DIST TO DUMP		39 NM			
		DENSITY OF MATERIALS						1250		GMS/LITER		1250	
RIVER/TIDE STAGE		DENSITY OF WATER						1006		GMS/LITER@		60 °F	
		MIN 0.42		TIME 12:00		MAX 1.38		TIME 20:00		GAGE LOCATION			
WEATHER CONDITION		MIN 0.00		TIME 00:00		MAX 0.00		TIME 00:00		GAGE DATUM			
		WEATHER Weather Caused No Delay			TEMP 31 °F / 61 °F		VISIBILITY 10 MI		WIND 8 MPH				
DRAFT						DISTRIBUTION OF TIME AND MILES RUN							
LIGHT		LOADED						AGITATING (MIN)		DREDGE & HAUL (MIN)		MILES RUN (NAUT MI)	
FORWARD		8		16		EFFECTIVE WORKING TIME:							
AFT		10		15		PUMPING:		00:00		02:41		0.0	
DRAG DEPTH		MAX 0		MIN 0		TURNING:		00:00		00:00		0.0	
INDICATORS LAST CHECKED ON 08/14/2019						TO DUMP:		00:00		11:05		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		2,750		DISCONNECTING:		00:00		00:00		0.0	
GALLONS OF WATER CONSUMED		GAL		748		TO CUT:		00:00		10:02		0.0	
						TOTALS:		00:00		24:00		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
4		7,905		Mobile Site 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
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**

<b>CONTRACT NO.</b> W9127820F0001 W9127820F0032	<b>CONTRACT TITLE</b> IDIQ Hopper Dredge for Mobile Harbor	<b>CONTRACTOR</b> Dutra Dredging Co.	<b>REPORT NO.</b> 168
<b>DREDGE</b>	<b>NAME AND TYPE</b> Columbia Hopper Dredge	<b>DATE</b> 01/14/2021	

**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	245+00 to 292+00 Mobile Site 102 - SW	00:00 00:00	0 0	13 4 0	17 2,635 0
2	245+00 to 292+00 Mobile Site 102 - SW	00:17 01:17	60 0	204 4 216	484 2,635 0
3	245+00 to 292+00 Mobile Site 102 - SW	08:21 09:17	56 0	239 4 203	502 2,635 0
4	245+00 to 292+00 Mobile Site 102 - SW	16:43 17:28	45 0	209 0 183	437 0 0

**QC NARRATIVE(S)**

<b>CONTRACTOR CERTIFICATION</b>	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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<b>QC REPRESENTATIVE'S SIGNATURE</b>	<b>DATE</b>	<b>SUPERINTENDENT'S INITIALS</b>	<b>DATE</b>
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QUALITY CONTROL REPORT-HOPPER DREDGE										PAGE NO. Page 337 of 377	
CONTRACT NO. W9127820F0001 W9127820F0032		CONTRACT TITLE IDIQ Hopper Dredge for Mobile Harbor				CONTRACTOR Dutra Dredging Co.				REPORT NO. 169	
CHARACTER OF REPORT		<input checked="" type="checkbox"/> MAINTENANCE <input type="checkbox"/> NEW WORK						DATE 01/15/2021			
DREDGE  Columbia Hopper Dredge		HOPPER CAP: 4387 CY			AVG VOL OF BIN WATER: 0 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		245+00 to 292+00			Mobile Site 102 - SW		5,270		1,146,750
CHARACTER OF MATERIAL		AVG LENGTH OF CUT			AVG WIDTH OF CUT			AVG DIST TO DUMP			
		4700 FT			500 FT			39 NM			
DENSITY OF MATERIALS		DENSITY OF MATERIALS			1250			GMS/LITER		1250	
		DENSITY OF WATER		1006			GMS/LITER@		60 °F		
RIVER/TIDE STAGE		MIN 1.38		TIME 00:00		MAX 1.47		TIME 04:00		GAGE LOCATION	
		MIN 0.00		TIME 00:00		MAX 0.00		TIME 00:00		GAGE DATUM	
WEATHER CONDITION		WEATHER Weather Caused No Delay			TEMP 40 °F / 64 °F		VISIBILITY 10 MI		WIND 12 MPH		
DRAFT						DISTRIBUTION OF TIME AND MILES RUN					
LIGHT		LOADED				AGITATING (MIN)		DREDGE & HAUL (MIN)		MILES RUN (NAUT MI)	
FORWARD		8		16		EFFECTIVE WORKING TIME:					
AFT		10		15		PUMPING:		00:00		00:45 0.0	
DRAG DEPTH		MAX 0		MIN 0		TURNING:		00:00		00:00 0.0	
INDICATORS LAST CHECKED ON		08/14/2019				TO DUMP:		00:00		03:35 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		2,750		DISCONNECTING:		00:00		00:00 0.0	
GALLONS OF WATER CONSUMED		GAL		748		TO CUT:		00:00		05:55 0.0	
WORK PERFORMED						TOTALS:		00:00		10:23 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 03:41 0.0	
3		5,270		Mobile Site 102 - SW		0		TO AND FROM WHARF OR ANCHORAGE:		00:00 00:47 0.0	
								LOSS DUE TO NATURAL ELEMENTS:		00:00 00:00 0.0	
								LOSS DUE TO TRAFFIC AND BRIDGES		00:00 00:28 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 08:41 0.0	
								TOTALS		00:00 13:37 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 338 of 377

**CONTRACT NO.**  
W9127820F0001  
W9127820F0032

**CONTRACT TITLE**  
IDIQ Hopper Dredge for Mobile Harbor

**CONTRACTOR**  
Dutra Dredging Co.

**REPORT NO.**  
169

**DREDGE**

**NAME AND TYPE**  
Columbia Hopper Dredge

**DATE**  
01/15/2021

**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	245+00 to 292+00	00:00	0	14	18
	Mobile Site 102 - SW	00:00	0	4	2,635
				0	0
2	245+00 to 292+00	00:18	45	201	462
	Mobile Site 102 - SW	01:03	0	4	2,635
				212	0
3	245+00 to 292+00	08:28	0	0	143
	Mobile Site 102 - SW	08:28	0	0	0
				143	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 339 of 377				
CONTRACT NO. W9127820F0001 W9127820F0032		CONTRACT TITLE IDIQ Hopper Dredge for Mobile Harbor				CONTRACTOR Dutra Dredging Co.				REPORT NO. 170				
CHARACTER OF REPORT		<input checked="" type="checkbox"/> MAINTENANCE <input type="checkbox"/> NEW WORK						DATE 01/16/2021						
DREDGE  Columbia Hopper Dredge		HOPPER CAP: 4387 CY			AVG VOL OF BIN WATER: 0 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		245+00 to 292+00			Mobile Site 102 - SW		0		1,146,750			
		AVG LENGTH OF CUT 4700 FT			AVG WIDTH OF CUT 500 FT			AVG DIST TO DUMP 39 NM						
CHARACTER OF MATERIAL		DENSITY OF MATERIALS				1250		GMS/LITER		1250				
		DENSITY OF WATER				1006		GMS/LITER@		60 °F				
RIVER/TIDE STAGE		MIN 0.00		TIME 00:00		MAX 0.00		TIME 00:00		GAGE LOCATION				
		MIN 0.00		TIME 00:00		MAX 0.00		TIME 00:00		GAGE DATUM				
WEATHER CONDITION		WEATHER Weather Caused No Delay				TEMP 32 °F / 60 °F		VISIBILITY 10 MI		WIND 12 MPH				
DRAFT						DISTRIBUTION OF TIME AND MILES RUN								
		LIGHT		LOADED				AGITATING (MIN)		DREDGE & HAUL (MIN)		MILES RUN (NAUT MI)		
FORWARD		8		16		EFFECTIVE WORKING TIME:								
AFT		10		15		PUMPING:		00:00		00:00		0.0		
DRAG DEPTH		MAX 0		MIN 0		TURNING:		00:00		00:00		0.0		
INDICATORS LAST CHECKED ON		08/14/2019												
AVERAGE SPEED OF DREDGE DURING LOADING		FT/MIN		0		TO DUMP:		00:00		00:00		0.0		
AVERAGE SPEED OF DREDGE DURING AGITATING		FT/MIN		0		CONNECTING:		00:00		00:00		0.0		
GALLONS OF FUEL OIL CONSUMED		GAL		1,000		DUMPING:		00:00		00:00		0.0		
GALLONS OF WATER CONSUMED		GAL		561		DISCONNECTING:		00:00		00:00		0.0		
						TO CUT:		00:00		00:00		0.0		
						TOTALS:		00:00		00:00		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		
NO.OF LOADS		TOTAL CYS		DISPOSAL AREA		TOTAL CYS		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		24:00		0.0
								TOTALS		00:00		24:00		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 341 of 377	
CONTRACT NO. W9127820F0001 W9127820F0032		CONTRACT TITLE IDIQ Hopper Dredge for Mobile Harbor				CONTRACTOR Dutra Dredging Co.				REPORT NO. 171	
CHARACTER OF REPORT		<input checked="" type="checkbox"/> MAINTENANCE <input type="checkbox"/> NEW WORK						DATE 01/17/2021			
DREDGE Columbia Hopper Dredge		HOPPER CAP: 4387 CY			AVG VOL OF BIN WATER: 0 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		245+00 to 292+00			Mobile Site 102 - SW		0		1,146,750
CHARACTER OF MATERIAL		AVG LENGTH OF CUT			AVG WIDTH OF CUT			AVG DIST TO DUMP			
		4700 FT			500 FT			39 NM			
DENSITY OF MATERIALS		DENSITY OF MATERIALS			1250			GMS/LITER		1250	
		DENSITY OF WATER			1006			GMS/LITER@		60 °F	
RIVER/TIDE STAGE		MIN 0.00		TIME 00:00		MAX 0.00		TIME 00:00		GAGE LOCATION	
		MIN 0.00		TIME 00:00		MAX 0.00		TIME 00:00		GAGE DATUM	
WEATHER CONDITION		WEATHER Weather Caused No Delay			TEMP 31 °F / 61 °F		VISIBILITY 10 MI		WIND 12 MPH		
DRAFT						DISTRIBUTION OF TIME AND MILES RUN					
LIGHT		LOADED				AGITATING (MIN)		DREDGE & HAUL (MIN)		MILES RUN (NAUT MI)	
FORWARD		8		16		EFFECTIVE WORKING TIME:					
AFT		10		15		PUMPING:		00:00		00:00	
DRAG DEPTH		MAX 0		MIN 0		TURNING:		00:00		00:00	
INDICATORS LAST CHECKED ON		08/14/2019				TO DUMP:		00:00		00:00	
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		00:00	
GALLONS OF FUEL OIL CONSUMED		GAL		1,000		DISCONNECTING:		00:00		00:00	
GALLONS OF WATER CONSUMED		GAL		374		TO CUT:		00:00		00:00	
WORK PERFORMED						TOTALS:		00:00		00:00	
DREDGING AND HAULING						NON-EFFECTIVE WORKING TIME:					
NO. OF LOADS		TOTAL CYS		DISPOSAL AREA		TOTAL CYS		TAKING ON FUEL AND SUPPLIES		00:00	
								TO AND FROM WHARF OR ANCHORAGE:		00:00	
								LOSS DUE TO NATURAL ELEMENTS:		00:00	
								LOSS DUE TO TRAFFIC AND BRIDGES		00:00	
								MINOR OPERATING REPAIRS		00:00	
								TRANSFERRING BETWEEN WORKS		00:00	
								LAY TIME:		00:00	
								FIRE AND BOAT DRILLS:		00:00	
								MISCELLANEOUS		00:00	
								TOTALS		00:00	
								LOST TIME:			
								MAJOR REPAIRS AND ALTERNATIONS		00:00	
								CESSATION:		00:00	
								COLLISIONS:		00:00	
								TOTALS:		00:00	
								TOTAL TIME/MILES:		00:00	
										24:00	
										0.0	



QUALITY CONTROL REPORT-HOPPER DREDGE										PAGE NO. Page 343 of 377				
CONTRACT NO. W9127820F0001 W9127820F0032		CONTRACT TITLE IDIQ Hopper Dredge for Mobile Harbor				CONTRACTOR Dutra Dredging Co.				REPORT NO. 172				
CHARACTER OF REPORT		<input checked="" type="checkbox"/> MAINTENANCE <input type="checkbox"/> NEW WORK						DATE 01/18/2021						
DREDGE Columbia Hopper Dredge		HOPPER CAP: 4387 CY			AVG VOL OF BIN WATER: 0 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		245+00 to 292+00			Mobile Site 102 - SW		0		1,146,750			
CHARACTER OF MATERIAL		AVG LENGTH OF CUT			AVG WIDTH OF CUT			AVG DIST TO DUMP		39 NM				
		DENSITY OF MATERIALS						1250		GMS/LITER		1250		
RIVER/TIDE STAGE		DENSITY OF WATER						1006		GMS/LITER@		60 °F		
		MIN 0.00		TIME 00:00		MAX 0.00		TIME 00:00		GAGE LOCATION				
WEATHER CONDITION		MIN 0.00			TIME 00:00		MAX 0.00		TIME 00:00		GAGE DATUM			
		WEATHER			TEMP			VISIBILITY		WIND				
Weather Caused No Delay			31 °F / 61 °F			10 MI		9 MPH						
DRAFT						DISTRIBUTION OF TIME AND MILES RUN								
LIGHT		LOADED						AGITATING (MIN)		DREDGE & HAUL (MIN)		MILES RUN (NAUT MI)		
FORWARD		8		16		EFFECTIVE WORKING TIME:								
AFT		10		15		PUMPING:		00:00		00:00		0.0		
DRAG DEPTH		MAX 0		MIN 0		TURNING:		00:00		00:00		0.0		
INDICATORS LAST CHECKED ON 08/14/2019						TO DUMP:		00:00		00:00		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		500		DISCONNECTING:		00:00		00:00		0.0		
GALLONS OF WATER CONSUMED		GAL		561		TO CUT:		00:00		00:00		0.0		
NON-EFFECTIVE WORKING TIME:						TOTALS:		00:00		00:00		0.0		
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	
								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		24:00		0.0
								TOTALS		00:00		24:00		0.0
LOST TIME:						MAJOR REPAIRS AND ALTERNATIONS		00:00		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 345 of 377			
CONTRACT NO. W9127820F0032		CONTRACT TITLE IDIQ Hopper Dredge for Mobile Harbor				CONTRACTOR Dutra Dredging Co.				REPORT NO. 173			
CHARACTER OF REPORT		<input checked="" type="checkbox"/> MAINTENANCE <input type="checkbox"/> NEW WORK						DATE 01/19/2021					
DREDGE Columbia Hopper Dredge		HOPPER CAP: 4387 CY			AVG VOL OF BIN WATER: 0 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		245+00 to 292+00			Mobile Site 102 - SW		0		1,146,750		
CHARACTER OF MATERIAL		AVG LENGTH OF CUT			AVG WIDTH OF CUT			AVG DIST TO DUMP		39 NM			
		4700 FT			500 FT								
DENSITY OF MATERIALS		DENSITY OF MATERIALS			1250			GMS/LITER		1250			
		DENSITY OF WATER			1006			GMS/LITER@		60 °F			
RIVER/TIDE STAGE		MIN 0.00		TIME 00:00		MAX 0.00		TIME 00:00		GAGE LOCATION			
		MIN 0.00		TIME 00:00		MAX 0.00		TIME 00:00		GAGE DATUM			
WEATHER CONDITION		WEATHER Weather Caused No Delay			TEMP 32 °F / 64 °F		VISIBILITY 10 MI		WIND 5 MPH				
DRAFT						DISTRIBUTION OF TIME AND MILES RUN							
LIGHT		LOADED						AGITATING (MIN)		DREDGE & HAUL (MIN)		MILES RUN (NAUT MI)	
FORWARD		8		16		EFFECTIVE WORKING TIME:							
AFT		10		15		PUMPING:		00:00		00:00		0.0	
DRAG DEPTH		MAX 0		MIN 0		TURNING:		00:00		00:00		0.0	
INDICATORS LAST CHECKED ON		08/14/2019				TO DUMP:		00:00		00:00		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		500		DISCONNECTING:		00:00		00:00		0.0	
GALLONS OF WATER CONSUMED		GAL		374		TO CUT:		00:00		00:00		0.0	
						TOTALS:		00:00		00:00		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
								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		24:00	0.0
								TOTALS		00:00		24:00	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 347 of 377		
CONTRACT NO. W9127820F0001 W9127820F0032		CONTRACT TITLE IDIQ Hopper Dredge for Mobile Harbor				CONTRACTOR Dutra Dredging Co.				REPORT NO. 174		
CHARACTER OF REPORT		<input checked="" type="checkbox"/> MAINTENANCE <input type="checkbox"/> NEW WORK						DATE 01/20/2021				
DREDGE  Columbia Hopper Dredge		HOPPER CAP: 4387 CY			AVG VOL OF BIN WATER: 0 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		245+00 to 292+00			Mobile Site 102 - SW		0		1,146,750	
CHARACTER OF MATERIAL		AVG LENGTH OF CUT			AVG WIDTH OF CUT			AVG DIST TO DUMP				
		4700 FT			500 FT			39 NM				
DENSITY OF MATERIALS		DENSITY OF MATERIALS			1250			GMS/LITER		1250		
		DENSITY OF WATER			1006			GMS/LITER@		60 °F		
RIVER/TIDE STAGE		MIN 0.00		TIME 00:00		MAX 0.00		TIME 00:00		GAGE LOCATION		
		MIN 0.00		TIME 00:00		MAX 0.00		TIME 00:00		GAGE DATUM		
WEATHER CONDITION		WEATHER Weather Caused No Delay			TEMP 41 °F / 65 °F		VISIBILITY 10 MI		WIND 5 MPH			
DRAFT						DISTRIBUTION OF TIME AND MILES RUN						
LIGHT		LOADED						AGITATING (MIN)		DREDGE & HAUL (MIN)		MILES RUN (NAUT MI)
FORWARD		8		16		EFFECTIVE WORKING TIME:						
AFT		10		15		PUMPING:		00:00		00:00		0.0
DRAG DEPTH		MAX 0		MIN 0		TURNING:		00:00		00:00		0.0
INDICATORS LAST CHECKED ON		08/14/2019				TO DUMP:		00:00		00:00		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		250		DISCONNECTING:		00:00		00:00		0.0
GALLONS OF WATER CONSUMED		GAL		374		TO CUT:		00:00		00:00		0.0
						TOTALS:		00:00		00:00		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		24:00		0.0
						TOTALS		00:00		24:00		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

<b>QUALITY CONTROL REPORT-HOPPER DREDGE</b>		<b>PAGE NO.</b> Page 348 of 377
<b>CONTRACT NO.</b> W9127820F0032	<b>CONTRACT TITLE</b> IDIQ Hopper Dredge for Mobile Harbor	<b>CONTRACTOR</b> Dutra Dredging Co.
<b>DREDGE</b>	<b>NAME AND TYPE</b> Columbia Hopper Dredge	<b>REPORT NO.</b> 174
		<b>DATE</b> 01/20/2021

**QC NARRATIVE(S)**

<b>CONTRACTOR CERTIFICATION</b>	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.		
<b>QC REPRESENTATIVE'S SIGNATURE</b>	<b>DATE</b>	<b>SUPERINTENDENT'S INITIALS</b>	<b>DATE</b>

QUALITY CONTROL REPORT-HOPPER DREDGE										PAGE NO. Page 349 of 377	
CONTRACT NO. W9127820F0001 W9127820F0032		CONTRACT TITLE IDIQ Hopper Dredge for Mobile Harbor				CONTRACTOR Dutra Dredging Co.				REPORT NO. 175	
CHARACTER OF REPORT		<input checked="" type="checkbox"/> MAINTENANCE <input type="checkbox"/> NEW WORK						DATE 01/21/2021			
DREDGE Columbia Hopper Dredge		HOPPER CAP: 4387 CY			AVG VOL OF BIN WATER: 0 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		245+00 to 292+00			Mobile Site 102 - SW		0		1,146,750
CHARACTER OF MATERIAL		AVG LENGTH OF CUT			AVG WIDTH OF CUT			AVG DIST TO DUMP			
		4700 FT			500 FT			39 NM			
DENSITY OF MATERIALS		DENSITY OF MATERIALS			1250			GMS/LITER		1250	
		DENSITY OF WATER			1006			GMS/LITER@		60 °F	
RIVER/TIDE STAGE		MIN 0.00		TIME 00:00		MAX 0.00		TIME 00:00		GAGE LOCATION	
		MIN 0.00		TIME 00:00		MAX 0.00		TIME 00:00		GAGE DATUM	
WEATHER CONDITION		WEATHER Weather Caused No Delay			TEMP 51 °F / 68 °F		VISIBILITY 10 MI		WIND 15 MPH		
DRAFT						DISTRIBUTION OF TIME AND MILES RUN					
LIGHT		LOADED				AGITATING (MIN)		DREDGE & HAUL (MIN)		MILES RUN (NAUT MI)	
FORWARD		8		16		EFFECTIVE WORKING TIME:					
AFT		10		15		PUMPING:		00:00		00:00	
DRAG DEPTH		MAX 0		MIN 0		TURNING:		00:00		00:00	
INDICATORS LAST CHECKED ON		08/14/2019				TO DUMP:		00:00		00:00	
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		00:00	
GALLONS OF FUEL OIL CONSUMED		GAL		250		DISCONNECTING:		00:00		00:00	
GALLONS OF WATER CONSUMED		GAL		374		TO CUT:		00:00		00:00	
NON-EFFECTIVE WORKING TIME:						TOTALS:		00:00		00:00	
WORK PERFORMED						TAKING ON FUEL AND SUPPLIES		00:00		00:00	
DREDGING AND HAULING				AGITATING		TO AND FROM WHARF OR ANCHORAGE:		00:00		00:00	
NO.OF LOADS		TOTAL CYS		DISPOSAL AREA		TOTAL CYS		LOSS DUE TO NATURAL ELEMENTS:		00:00	
								LOSS DUE TO TRAFFIC AND BRIDGES		00:00	
								MINOR OPERATING REPAIRS		00:00	
								TRANSFERRING BETWEEN WORKS		00:00	
ATTENDANT PLANT						LAY TIME:		00:00		00:00	
ITEM		NAME OR NUMBER		H.P.		HOURS		FIRE AND BOAT DRILLS:		00:00	
Crew Boat		Cape Anne		400		24:00		MISCELLANEOUS		00:00	
								TOTALS		00:00	
LOST TIME:						TOTALS		00:00		24:00	
								MAJOR REPAIRS AND ALTERNATIONS		00:00	
								CESSATION:		00:00	
								COLLISIONS:		00:00	
								TOTALS:		00:00	
								TOTAL TIME/MILES:		00:00	
										24:00	
										0.0	



QUALITY CONTROL REPORT-HOPPER DREDGE										PAGE NO. Page 351 of 377	
CONTRACT NO. W9127820F0001 W9127820F0032		CONTRACT TITLE IDIQ Hopper Dredge for Mobile Harbor				CONTRACTOR Dutra Dredging Co.				REPORT NO. 176	
CHARACTER OF REPORT		<input checked="" type="checkbox"/> MAINTENANCE <input type="checkbox"/> NEW WORK						DATE 01/22/2021			
DREDGE  Columbia Hopper Dredge		HOPPER CAP: 4387 CY			AVG VOL OF BIN WATER: 0 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		245+00 to 292+00			Mobile Site 102 - SW		0		1,146,750
CHARACTER OF MATERIAL		AVG LENGTH OF CUT			AVG WIDTH OF CUT			AVG DIST TO DUMP		39 NM	
		4700 FT			500 FT						
DENSITY OF MATERIALS		DENSITY OF MATERIALS			1250			GMS/LITER		1250	
		DENSITY OF WATER			1006			GMS/LITER@		60 °F	
RIVER/TIDE STAGE		MIN 0.00		TIME 00:00		MAX 0.00		TIME 00:00		GAGE LOCATION	
		MIN 0.00		TIME 00:00		MAX 0.00		TIME 00:00		GAGE DATUM	
WEATHER CONDITION		WEATHER Weather Caused No Delay			TEMP 58 °F / 65 °F		VISIBILITY 10 MI		WIND 15 MPH		
DRAFT						DISTRIBUTION OF TIME AND MILES RUN					
LIGHT		LOADED				AGITATING (MIN)		DREDGE & HAUL (MIN)		MILES RUN (NAUT MI)	
FORWARD		8		16		EFFECTIVE WORKING TIME:					
AFT		10		15		PUMPING:		00:00		00:00	
DRAG DEPTH		MAX 0		MIN 0		TURNING:		00:00		00:00	
INDICATORS LAST CHECKED ON		08/14/2019				TO DUMP:		00:00		00:00	
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		00:00	
GALLONS OF FUEL OIL CONSUMED		GAL		250		DISCONNECTING:		00:00		00:00	
GALLONS OF WATER CONSUMED		GAL		374		TO CUT:		00:00		00:00	
						TOTALS:		00:00		00:00	
NON-EFFECTIVE WORKING TIME:											
WORK PERFORMED						TAKING ON FUEL AND SUPPLIES		00:00		00:00	
DREDGING AND HAULING				AGITATING		TO AND FROM WHARF OR ANCHORAGE:		00:00		00:00	
NO.OF LOADS		TOTAL CYS		DISPOSAL AREA		TOTAL CYS		LOSS DUE TO NATURAL ELEMENTS:		00:00	
								LOSS DUE TO TRAFFIC AND BRIDGES		00:00	
								MINOR OPERATING REPAIRS		00:00	
								TRANSFERRING BETWEEN WORKS		00:00	
ATTENDANT PLANT						LAY TIME:		00:00		00:00	
ITEM		NAME OR NUMBER		H.P.		HOURS		FIRE AND BOAT DRILLS:		00:00	
Crew Boat		Cape Anne		400		24:00		MISCELLANEOUS		00:00	
								TOTALS		00:00	
LOST TIME:											
								MAJOR REPAIRS AND ALTERNATIONS		00:00	
								CESSATION:		00:00	
								COLLISIONS:		00:00	
								TOTALS:		00:00	
								TOTAL TIME/MILES:		00:00	
										24:00	
										0.0	

<b>QUALITY CONTROL REPORT-HOPPER DREDGE</b>			<b>PAGE NO.</b> Page 352 of 377
<b>CONTRACT NO.</b> W9127820F0032	<b>CONTRACT TITLE</b> IDIQ Hopper Dredge for Mobile Harbor	<b>CONTRACTOR</b> Dutra Dredging Co.	<b>REPORT NO.</b> 176
<b>DREDGE</b>	<b>NAME AND TYPE</b> Columbia Hopper Dredge	<b>DATE</b> 01/22/2021	

**QC NARRATIVE(S)**

<b>CONTRACTOR CERTIFICATION</b>	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.		
<b>QC REPRESENTATIVE'S SIGNATURE</b>	<b>DATE</b>	<b>SUPERINTENDENT'S INITIALS</b>	<b>DATE</b>



QUALITY CONTROL REPORT-HOPPER DREDGE										PAGE NO. Page 353 of 377	
CONTRACT NO. W9127820F0001 W9127820F0032		CONTRACT TITLE IDIQ Hopper Dredge for Mobile Harbor				CONTRACTOR Dutra Dredging Co.				REPORT NO. 177	
CHARACTER OF REPORT		<input checked="" type="checkbox"/> MAINTENANCE <input type="checkbox"/> NEW WORK						DATE 01/23/2021			
DREDGE  Columbia Hopper Dredge		HOPPER CAP: 4387 CY			AVG VOL OF BIN WATER: 0 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		245+00 to 292+00			Mobile Site 102 - SW		0		1,146,750
CHARACTER OF MATERIAL		AVG LENGTH OF CUT			AVG WIDTH OF CUT			AVG DIST TO DUMP			
		4700 FT			500 FT			39 NM			
DENSITY OF MATERIALS		DENSITY OF MATERIALS			1250			GMS/LITER		1250	
		DENSITY OF WATER			1006			GMS/LITER@		60 °F	
RIVER/TIDE STAGE		MIN 0.00		TIME 00:00		MAX 0.00		TIME 00:00		GAGE LOCATION	
		MIN 0.00		TIME 00:00		MAX 0.00		TIME 00:00		GAGE DATUM	
WEATHER CONDITION		WEATHER Weather Caused No Delay			TEMP 62 °F / 73 °F		VISIBILITY 10 MI		WIND 15 MPH		
DRAFT						DISTRIBUTION OF TIME AND MILES RUN					
LIGHT		LOADED				AGITATING (MIN)		DREDGE & HAUL (MIN)		MILES RUN (NAUT MI)	
FORWARD		8		16		EFFECTIVE WORKING TIME:					
AFT		10		15		PUMPING:		00:00		00:00	
DRAG DEPTH		MAX 0		MIN 0		TURNING:		00:00		00:00	
INDICATORS LAST CHECKED ON		08/14/2019				TO DUMP:		00:00		00:00	
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		00:00	
GALLONS OF FUEL OIL CONSUMED		GAL		250		DISCONNECTING:		00:00		00:00	
GALLONS OF WATER CONSUMED		GAL		374		TO CUT:		00:00		00:00	
NON-EFFECTIVE WORKING TIME:						TOTALS:		00:00		00:00	
WORK PERFORMED						TAKING ON FUEL AND SUPPLIES		00:00		00:00	
DREDGING AND HAULING				AGITATING		TO AND FROM WHARF OR ANCHORAGE:		00:00		00:00	
NO.OF LOADS		TOTAL CYS		DISPOSAL AREA		TOTAL CYS		LOSS DUE TO NATURAL ELEMENTS:		00:00	
								LOSS DUE TO TRAFFIC AND BRIDGES		00:00	
								MINOR OPERATING REPAIRS		00:00	
								TRANSFERRING BETWEEN WORKS		00:00	
ATTENDANT PLANT						LAY TIME:		00:00		00:00	
ITEM		NAME OR NUMBER		H.P.		HOURS		FIRE AND BOAT DRILLS:		00:00	
Crew Boat		Cape Anne		400		24:00		MISCELLANEOUS		00:00	
								TOTALS		00:00	
LOST TIME:						TOTALS		00:00		24:00	
								MAJOR REPAIRS AND ALTERNATIONS		00:00	
								CESSATION:		00:00	
								COLLISIONS:		00:00	
								TOTALS:		00:00	
								TOTAL TIME/MILES:		00:00	
										24:00	
										0.0	

<b>QUALITY CONTROL REPORT-HOPPER DREDGE</b>			<b>PAGE NO.</b> Page 354 of 377
<b>CONTRACT NO.</b> W9127820F0032	<b>CONTRACT TITLE</b> IDIQ Hopper Dredge for Mobile Harbor	<b>CONTRACTOR</b> Dutra Dredging Co.	<b>REPORT NO.</b> 177
<b>DREDGE</b>	<b>NAME AND TYPE</b> Columbia Hopper Dredge	<b>DATE</b> 01/23/2021	

**QC NARRATIVE(S)**

<b>CONTRACTOR CERTIFICATION</b>	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.		
<b>QC REPRESENTATIVE'S SIGNATURE</b>	<b>DATE</b>	<b>SUPERINTENDENT'S INITIALS</b>	<b>DATE</b>

QUALITY CONTROL REPORT-HOPPER DREDGE										PAGE NO. Page 355 of 377				
CONTRACT NO. W9127820F0001 W9127820F0032		CONTRACT TITLE IDIQ Hopper Dredge for Mobile Harbor				CONTRACTOR Dutra Dredging Co.				REPORT NO. 178				
CHARACTER OF REPORT		<input checked="" type="checkbox"/> MAINTENANCE <input type="checkbox"/> NEW WORK						DATE 01/24/2021						
DREDGE  Columbia Hopper Dredge		HOPPER CAP: 4387 CY			AVG VOL OF BIN WATER: 0 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		245+00 to 292+00			Mobile Site 102 - SW		0		1,146,750			
CHARACTER OF MATERIAL		AVG LENGTH OF CUT			AVG WIDTH OF CUT			AVG DIST TO DUMP						
		4700 FT			500 FT			39 NM						
DENSITY OF MATERIALS		DENSITY OF MATERIALS			1250			GMS/LITER		1250				
		DENSITY OF WATER			1006			GMS/LITER@		60 °F				
RIVER/TIDE STAGE		MIN 0.00		TIME 00:00		MAX 0.00		TIME 00:00		GAGE LOCATION				
		MIN 0.00		TIME 00:00		MAX 0.00		TIME 00:00		GAGE DATUM				
WEATHER CONDITION		WEATHER Weather Caused No Delay			TEMP 58 °F / 67 °F		VISIBILITY 10 MI		WIND 10 MPH					
DRAFT						DISTRIBUTION OF TIME AND MILES RUN								
LIGHT		LOADED						AGITATING (MIN)		DREDGE & HAUL (MIN)		MILES RUN (NAUT MI)		
FORWARD		8		16		EFFECTIVE WORKING TIME:								
AFT		10		15		PUMPING:		00:00		00:00		0.0		
DRAG DEPTH		MAX 0		MIN 0		TURNING:		00:00		00:00		0.0		
INDICATORS LAST CHECKED ON		08/14/2019				TO DUMP:		00:00		00:00		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		250		DISCONNECTING:		00:00		00:00		0.0		
GALLONS OF WATER CONSUMED		GAL		374		TO CUT:		00:00		00:00		0.0		
						TOTALS:		00:00		00:00		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	
								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		24:00		0.0
								TOTALS		00:00		24:00		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 357 of 377				
CONTRACT NO. W9127820F0001 W9127820F0032		CONTRACT TITLE IDIQ Hopper Dredge for Mobile Harbor				CONTRACTOR Dutra Dredging Co.				REPORT NO. 179				
CHARACTER OF REPORT		<input checked="" type="checkbox"/> MAINTENANCE <input type="checkbox"/> NEW WORK						DATE 01/25/2021						
DREDGE  Columbia Hopper Dredge		HOPPER CAP: 4387 CY			AVG VOL OF BIN WATER: 0 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		245+00 to 292+00			Mobile Site 102 - SW		0		1,146,750			
CHARACTER OF MATERIAL		AVG LENGTH OF CUT			AVG WIDTH OF CUT			AVG DIST TO DUMP						
		4700 FT			500 FT			39 NM						
DENSITY OF MATERIALS		DENSITY OF MATERIALS			1250			GMS/LITER		1250				
		DENSITY OF WATER			1006			GMS/LITER@		60 °F				
RIVER/TIDE STAGE		MIN 0.00		TIME 00:00		MAX 0.00		TIME 00:00		GAGE LOCATION				
		MIN 0.00		TIME 00:00		MAX 0.00		TIME 00:00		GAGE DATUM				
WEATHER CONDITION		WEATHER Weather Caused No Delay			TEMP 63 °F / 69 °F		VISIBILITY 10 MI		WIND 12 MPH					
DRAFT						DISTRIBUTION OF TIME AND MILES RUN								
LIGHT		LOADED						AGITATING (MIN)		DREDGE & HAUL (MIN)		MILES RUN (NAUT MI)		
FORWARD		8		16		EFFECTIVE WORKING TIME:								
AFT		10		15		PUMPING:		00:00		00:00		0.0		
DRAG DEPTH		MAX 0		MIN 0		TURNING:		00:00		00:00		0.0		
INDICATORS LAST CHECKED ON 08/14/2019						TO DUMP:		00:00		00:00		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		250		DISCONNECTING:		00:00		00:00		0.0		
GALLONS OF WATER CONSUMED		GAL		374		TO CUT:		00:00		00:00		0.0		
						TOTALS:		00:00		00:00		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	
								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		24:00		0.0
								TOTALS		00:00		24:00		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 359 of 377	
CONTRACT NO. W9127820F0001 W9127820F0032		CONTRACT TITLE IDIQ Hopper Dredge for Mobile Harbor				CONTRACTOR Dutra Dredging Co.				REPORT NO. 180	
CHARACTER OF REPORT		<input checked="" type="checkbox"/> MAINTENANCE <input type="checkbox"/> NEW WORK						DATE 01/26/2021			
DREDGE Columbia Hopper Dredge		HOPPER CAP: 4387 CY			AVG VOL OF BIN WATER: 0 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		245+00 to 292+00			Mobile Site 102 - SW		0		1,146,750
CHARACTER OF MATERIAL		AVG LENGTH OF CUT			AVG WIDTH OF CUT			AVG DIST TO DUMP			
		4700 FT			500 FT			39 NM			
DENSITY OF MATERIALS		DENSITY OF MATERIALS			1250			GMS/LITER		1250	
		DENSITY OF WATER			1006			GMS/LITER@		60 °F	
RIVER/TIDE STAGE		MIN 0.00		TIME 00:00		MAX 0.00		TIME 00:00		GAGE LOCATION	
		MIN 0.00		TIME 00:00		MAX 0.00		TIME 00:00		GAGE DATUM	
WEATHER CONDITION		WEATHER Weather Caused No Delay			TEMP 65 °F / 73 °F		VISIBILITY 10 MI		WIND 10 MPH		
DRAFT						DISTRIBUTION OF TIME AND MILES RUN					
LIGHT		LOADED				AGITATING (MIN)		DREDGE & HAUL (MIN)		MILES RUN (NAUT MI)	
FORWARD		8		16		EFFECTIVE WORKING TIME:					
AFT		10		15		PUMPING:		00:00		00:00	
DRAG DEPTH		MAX 0		MIN 0		TURNING:		00:00		00:00	
INDICATORS LAST CHECKED ON 08/14/2019						TO DUMP:		00:00		00:00	
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		00:00	
GALLONS OF FUEL OIL CONSUMED		GAL		250		DISCONNECTING:		00:00		00:00	
GALLONS OF WATER CONSUMED		GAL		374		TO CUT:		00:00		00:00	
NON-EFFECTIVE WORKING TIME:						TOTALS:		00:00		00:00	
WORK PERFORMED						TAKING ON FUEL AND SUPPLIES		00:00		00:00	
DREDGING AND HAULING				AGITATING		TO AND FROM WHARF OR ANCHORAGE:		00:00		00:00	
NO.OF LOADS		TOTAL CYS		DISPOSAL AREA		TOTAL CYS		LOSS DUE TO NATURAL ELEMENTS:		00:00	
								LOSS DUE TO TRAFFIC AND BRIDGES		00:00	
								MINOR OPERATING REPAIRS		00:00	
								TRANSFERRING BETWEEN WORKS		00:00	
ATTENDANT PLANT						LAY TIME:		00:00		00:00	
ITEM		NAME OR NUMBER		H.P.		HOURS		FIRE AND BOAT DRILLS:		00:00	
Crew Boat		Cape Anne		400		24:00		MISCELLANEOUS		00:00	
								TOTALS		00:00	
LOST TIME:						TOTALS		00:00		24:00	
								MAJOR REPAIRS AND ALTERNATIONS		00:00	
								CESSATION:		00:00	
								COLLISIONS:		00:00	
								TOTALS:		00:00	
								TOTAL TIME/MILES:		00:00	
										24:00	
										0.0	

<b>QUALITY CONTROL REPORT-HOPPER DREDGE</b>		<b>PAGE NO.</b> Page 360 of 377
<b>CONTRACT NO.</b> W9127820F0001 W9127820F0032	<b>CONTRACT TITLE</b> IDIQ Hopper Dredge for Mobile Harbor	<b>CONTRACTOR</b> Dutra Dredging Co.
<b>DREDGE</b>	<b>NAME AND TYPE</b> Columbia Hopper Dredge	<b>REPORT NO.</b> 180
		<b>DATE</b> 01/26/2021

**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 361 of 377		
CONTRACT NO. W9127820F0001 W9127820F0032		CONTRACT TITLE IDIQ Hopper Dredge for Mobile Harbor				CONTRACTOR Dutra Dredging Co.				REPORT NO. 181		
CHARACTER OF REPORT		<input checked="" type="checkbox"/> MAINTENANCE <input type="checkbox"/> NEW WORK						DATE 01/27/2021				
DREDGE Columbia Hopper Dredge		HOPPER CAP: 4387 CY			AVG VOL OF BIN WATER: 0 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		245+00 to 292+00			Mobile Site 102 - SW		0		1,146,750	
CHARACTER OF MATERIAL		AVG LENGTH OF CUT			AVG WIDTH OF CUT			AVG DIST TO DUMP				
		4700 FT			500 FT			39 NM				
DENSITY OF MATERIALS		DENSITY OF MATERIALS			1250			GMS/LITER		1250		
		DENSITY OF WATER			1006			GMS/LITER@		60 °F		
RIVER/TIDE STAGE		MIN 0.00		TIME 00:00		MAX 0.00		TIME 00:00		GAGE LOCATION		
		MIN 0.00		TIME 00:00		MAX 0.00		TIME 00:00		GAGE DATUM		
WEATHER CONDITION		WEATHER Weather Caused No Delay			TEMP 41 °F / 68 °F		VISIBILITY 10 MI		WIND 20 MPH			
DRAFT						DISTRIBUTION OF TIME AND MILES RUN						
		LIGHT		LOADED				AGITATING (MIN)		DREDGE & HAUL (MIN)		MILES RUN (NAUT MI)
FORWARD		8		16		EFFECTIVE WORKING TIME:						
AFT		10		15		PUMPING:		00:00		00:00		0.0
DRAG DEPTH		MAX 0		MIN 0		TURNING:		00:00		00:00		0.0
INDICATORS LAST CHECKED ON		08/14/2019				TO DUMP:		00:00		00:00		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		250		DISCONNECTING:		00:00		00:00		0.0
GALLONS OF WATER CONSUMED		GAL		374		TO CUT:		00:00		00:00		0.0
						TOTALS:		00:00		00:00		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		24:00		0.0
						TOTALS		00:00		24:00		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 363 of 377	
CONTRACT NO. W9127820F0001 W9127820F0032		CONTRACT TITLE IDIQ Hopper Dredge for Mobile Harbor				CONTRACTOR Dutra Dredging Co.				REPORT NO. 182	
CHARACTER OF REPORT		<input checked="" type="checkbox"/> MAINTENANCE <input type="checkbox"/> NEW WORK						DATE 01/28/2021			
DREDGE  Columbia Hopper Dredge		HOPPER CAP: 4387 CY			AVG VOL OF BIN WATER: 0 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		245+00 to 292+00 and 376+00 to 436+00			Mobile Site 102 - SW		5,270		1,152,020
CHARACTER OF MATERIAL		AVG LENGTH OF CUT			AVG WIDTH OF CUT			AVG DIST TO DUMP		39 NM	
		4700 FT			500 FT						
DENSITY OF MATERIALS		DENSITY OF MATERIALS			1250			GMS/LITER		1250	
		DENSITY OF WATER			1006			GMS/LITER@		60 °F	
RIVER/TIDE STAGE		MIN -1.80		TIME 09:00		MAX 0.39		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 41 °F / 68 °F		VISIBILITY 10 MI		WIND 20 MPH		
DRAFT						DISTRIBUTION OF TIME AND MILES RUN					
LIGHT		LOADED				AGITATING (MIN)		DREDGE & HAUL (MIN)		MILES RUN (NAUT MI)	
FORWARD		8		16		EFFECTIVE WORKING TIME:					
AFT		10		15		PUMPING:		00:00		01:17 0.0	
DRAG DEPTH		MAX 0		MIN 0		TURNING:		00:00		00:00 0.0	
INDICATORS LAST CHECKED ON		08/14/2019				TO DUMP:		00:00		07:41 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		00:24 0.0	
GALLONS OF FUEL OIL CONSUMED		GAL		250		DISCONNECTING:		00:00		00:00 0.0	
GALLONS OF WATER CONSUMED		GAL		374		TO CUT:		00:00		05:31 0.0	
WORK PERFORMED						TOTALS:		00:00		14:53 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		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		09:07 0.0	
TOTALS						TOTALS		00:00		09:07 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	

<b>QUALITY CONTROL REPORT-HOPPER DREDGE</b>			<b>PAGE NO.</b> Page 364 of 377
<b>CONTRACT NO.</b> W9127820F0032	<b>CONTRACT TITLE</b> IDIQ Hopper Dredge for Mobile Harbor	<b>CONTRACTOR</b> Dutra Dredging Co.	<b>REPORT NO.</b> 182
<b>DREDGE</b>	<b>NAME AND TYPE</b> Columbia Hopper Dredge		<b>DATE</b> 01/28/2021

**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	245+00 to 292+00	09:07	32	238	290
	Mobile Site 102 - SW	09:39	0	20 0	2,635 0
2	376+00 to 436+00	13:57	45	223	445
	Mobile Site 102 - SW	14:42	0	4 173	2,635 0
3	376+00 to 436+00	21:22	0	0	158
	Mobile Site 102 - SW	21:22	0	0 158	0 0

**QC NARRATIVE(S)**

<b>CONTRACTOR CERTIFICATION</b>	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.		
<b>QC REPRESENTATIVE'S SIGNATURE</b>	<b>DATE</b>	<b>SUPERINTENDENT'S INITIALS</b>	<b>DATE</b>

QUALITY CONTROL REPORT-HOPPER DREDGE										PAGE NO. Page 365 of 377			
CONTRACT NO. W9127820F0001 W9127820F0032		CONTRACT TITLE IDIQ Hopper Dredge for Mobile Harbor				CONTRACTOR Dutra Dredging Co.				REPORT NO. 183			
CHARACTER OF REPORT		<input checked="" type="checkbox"/> MAINTENANCE <input type="checkbox"/> NEW WORK						DATE 01/29/2021					
DREDGE  Columbia Hopper Dredge		HOPPER CAP: 4387 CY			AVG VOL OF BIN WATER: 0 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 Site 102 - SW		7,905		1,159,925		
CHARACTER OF MATERIAL		AVG LENGTH OF CUT			AVG WIDTH OF CUT			AVG DIST TO DUMP					
		6000 FT			500 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 -0.62		TIME 08:00		MAX 1.75		TIME 23:00		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 / 68 °F		VISIBILITY 10 MI		WIND 20 MPH				
DRAFT						DISTRIBUTION OF TIME AND MILES RUN							
LIGHT		LOADED						AGITATING (MIN)		DREDGE & HAUL (MIN)		MILES RUN (NAUT MI)	
FORWARD		8		16		EFFECTIVE WORKING TIME:							
AFT		10		15		PUMPING:		00:00		02:41		0.0	
DRAG DEPTH		MAX 0		MIN 0		TURNING:		00:00		00:00		0.0	
INDICATORS LAST CHECKED ON		08/14/2019				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		00:12		0.0	
GALLONS OF FUEL OIL CONSUMED		GAL		250		DISCONNECTING:		00:00		00:00		0.0	
GALLONS OF WATER CONSUMED		GAL		374		TO CUT:		00:00		10:06		0.0	
						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		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**

<b>CONTRACT NO.</b> W9127820F0001 W9127820F0032	<b>CONTRACT TITLE</b> IDIQ Hopper Dredge for Mobile Harbor	<b>CONTRACTOR</b> Dutra Dredging Co.	<b>REPORT NO.</b> 183
<b>DREDGE</b>	<b>NAME AND TYPE</b> Columbia Hopper Dredge		<b>DATE</b> 01/29/2021

**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	376+00 to 436+00	00:00	43	210	298
	Mobile Site 102 - SW	00:43	0	4 41	2,635 0
2	376+00 to 436+00	04:58	43	215	468
	Mobile Site 102 - SW	05:41	0	4 206	2,635 0
3	376+00 to 436+00	12:46	46	214	439
	Mobile Site 102 - SW	13:32	0	4 175	2,635 0
4	376+00 to 436+00	20:05	29	8	221
	Mobile Site 102 - SW	20:34	0	0 184	0 0

**QC NARRATIVE(S)**

<b>CONTRACTOR CERTIFICATION</b>	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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<b>QC REPRESENTATIVE'S SIGNATURE</b>	<b>DATE</b>	<b>SUPERINTENDENT'S INITIALS</b>	<b>DATE</b>
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QUALITY CONTROL REPORT-HOPPER DREDGE										PAGE NO. Page 367 of 377	
CONTRACT NO. W9127820F0001 W9127820F0032		CONTRACT TITLE IDIQ Hopper Dredge for Mobile Harbor				CONTRACTOR Dutra Dredging Co.				REPORT NO. 184	
CHARACTER OF REPORT		<input checked="" type="checkbox"/> MAINTENANCE <input type="checkbox"/> NEW WORK						DATE 01/30/2021			
DREDGE Columbia Hopper Dredge		HOPPER CAP: 4387 CY			AVG VOL OF BIN WATER: 0 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 Site 102 - SW		7,905		1,167,830
CHARACTER OF MATERIAL		AVG LENGTH OF CUT			AVG WIDTH OF CUT			AVG DIST TO DUMP		36 NM	
		6000 FT			500 FT						
DENSITY OF MATERIALS		DENSITY OF MATERIALS			1250			GMS/LITER		1250	
		DENSITY OF WATER			1006			GMS/LITER@		60 °F	
RIVER/TIDE STAGE		MIN 0.41		TIME 07:00		MAX 2.00		TIME 21:00		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 / 68 °F		VISIBILITY 10 MI		WIND 20 MPH		
DRAFT						DISTRIBUTION OF TIME AND MILES RUN					
LIGHT		LOADED				AGITATING (MIN)		DREDGE & HAUL (MIN)		MILES RUN (NAUT MI)	
FORWARD		8		17		EFFECTIVE WORKING TIME:					
AFT		10		16		PUMPING:		00:00		02:05 0.0	
DRAG DEPTH		MAX 0		MIN 0		TURNING:		00:00		00:00 0.0	
INDICATORS LAST CHECKED ON		08/14/2019				TO DUMP:		00:00		12:13 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		318		DISCONNECTING:		00:00		00:00 0.0	
GALLONS OF WATER CONSUMED		GAL		561		TO CUT:		00:00		09:30 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		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	
ATTENDANT PLANT		ITEM		NAME OR NUMBER		H.P.		HOURS		FIRE AND BOAT DRILLS:	
		Crew Boat		Cape Anne		400		24:00		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 369 of 377						
CONTRACT NO. W9127820F0001 W9127820F0032		CONTRACT TITLE IDIQ Hopper Dredge for Mobile Harbor				CONTRACTOR Dutra Dredging Co.				REPORT NO. 185						
CHARACTER OF REPORT		<input checked="" type="checkbox"/> MAINTENANCE <input type="checkbox"/> NEW WORK						DATE 01/31/2021								
DREDGE Columbia Hopper Dredge		HOPPER CAP: 4387 CY			AVG VOL OF BIN WATER: 0 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 Site 102 - SW		7,905		1,175,735					
CHARACTER OF MATERIAL		AVG LENGTH OF CUT			AVG WIDTH OF CUT			AVG DIST TO DUMP		36 NM						
		DENSITY OF MATERIALS				1250				GMS/LITER		1250				
DENSITY OF WATER				1006				GMS/LITER@		60 °F						
RIVER/TIDE STAGE		MIN 1.09		TIME 12:00		MAX 1.76		TIME 05:00		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 50 °F / 70 °F		VISIBILITY 10 MI		WIND SSW 35 MPH							
DRAFT						DISTRIBUTION OF TIME AND MILES RUN										
LIGHT		LOADED				AGITATING (MIN)		DREDGE & HAUL (MIN)		MILES RUN (NAUT MI)						
FORWARD		8		17		EFFECTIVE WORKING TIME:										
AFT		10		16		PUMPING:		00:00		01:22	0.0					
DRAG DEPTH		MAX 0		MIN 0		TURNING:		00:00		00:00		0.0				
INDICATORS LAST CHECKED ON 08/14/2019						TO DUMP:		00:00		07:50		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		2,514		DISCONNECTING:		00:00		00:00		0.0
GALLONS OF WATER CONSUMED						GAL		374		TO CUT:		00:00		07:20		0.0
WORK PERFORMED						TOTALS:		00:00		16:44		0.0		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		0		LOSS DUE TO NATURAL ELEMENTS:		00:00		07:16		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		07:16		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 371 of 377		
CONTRACT NO. W9127820F0001 W9127820F0032		CONTRACT TITLE IDIQ Hopper Dredge for Mobile Harbor				CONTRACTOR Dutra Dredging Co.				REPORT NO. 186		
CHARACTER OF REPORT		<input checked="" type="checkbox"/> MAINTENANCE <input type="checkbox"/> NEW WORK						DATE 02/01/2021				
DREDGE  Columbia Hopper Dredge		HOPPER CAP: 4387 CY			AVG VOL OF BIN WATER: 0 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 Site 102 - SW		7,905		1,183,640	
CHARACTER OF MATERIAL		AVG LENGTH OF CUT 6000 FT			AVG WIDTH OF CUT 500 FT			AVG DIST TO DUMP 36 NM				
		DENSITY OF MATERIALS				1250				GMS/LITER		1250
RIVER/TIDE STAGE		DENSITY OF WATER				1006				GMS/LITER@		60 °F
		MIN -0.20		TIME 03:00		MAX 0.00		TIME 11:00		GAGE LOCATION USCG		
WEATHER CONDITION		MIN 0.00		TIME 00:00		MAX 0.00		TIME 00:00		GAGE DATUM MLLW		
		WEATHER Weather Caused No Delay				TEMP 32 °F / 48 °F		VISIBILITY 10 MI		WIND NNW 20 MPH		
DRAFT						DISTRIBUTION OF TIME AND MILES RUN						
LIGHT		LOADED				AGITATING (MIN)		DREDGE & HAUL (MIN)		MILES RUN (NAUT MI)		
FORWARD		8		17		EFFECTIVE WORKING TIME:						
AFT		10		16		PUMPING:		00:00		02:33 0.0		
DRAG DEPTH		MAX 0		MIN 0		TURNING:		00:00		00:00 0.0		
INDICATORS LAST CHECKED ON 08/14/2019						TO DUMP:		00:00		10:13 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		3,039		DISCONNECTING:		00:00		00:00 0.0		
GALLONS OF WATER CONSUMED		GAL		561		TO CUT:		00:00		11:02 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				
4		7,905		Mobile Site 102 - SW		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 00:00 0.0		
TOTALS						TOTALS		00:00		00:00 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		

<b>QUALITY CONTROL REPORT-HOPPER DREDGE</b>			<b>PAGE NO.</b> Page 372 of 377
<b>CONTRACT NO.</b> W9127820F0001 W9127820F0032	<b>CONTRACT TITLE</b> IDIQ Hopper Dredge for Mobile Harbor	<b>CONTRACTOR</b> Dutra Dredging Co.	<b>REPORT NO.</b> 186
<b>DREDGE</b>	<b>NAME AND TYPE</b> Columbia Hopper Dredge		<b>DATE</b> 02/01/2021

**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	376+00 to 436+00	00:00	44	205	415
	Mobile Site 102 - SW	00:44	0	4 162	2,635 0
2	376+00 to 436+00	06:55	67	209	471
	Mobile Site 102 - SW	08:02	0	4 191	2,635 0
3	376+00 to 436+00	14:46	42	199	421
	Mobile Site 102 - SW	15:28	0	4 176	2,635 0
4	376+00 to 436+00	21:47	0	0	133
	Mobile Site 102 - SW	21:47	0	0 133	0 0

**QC NARRATIVE(S)**

<b>CONTRACTOR CERTIFICATION</b>	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.		
<b>QC REPRESENTATIVE'S SIGNATURE</b>	<b>DATE</b>	<b>SUPERINTENDENT'S INITIALS</b>	<b>DATE</b>

QUALITY CONTROL REPORT-HOPPER DREDGE										PAGE NO. Page 373 of 377	
CONTRACT NO. W9127820F0001 W9127820F0032		CONTRACT TITLE IDIQ Hopper Dredge for Mobile Harbor				CONTRACTOR Dutra Dredging Co.				REPORT NO. 187	
CHARACTER OF REPORT		<input checked="" type="checkbox"/> MAINTENANCE <input type="checkbox"/> NEW WORK						DATE 02/02/2021			
DREDGE Columbia Hopper Dredge		HOPPER CAP: 4387 CY			AVG VOL OF BIN WATER: 0 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 Site 102 - SW	7,905	1,191,545			
CHARACTER OF MATERIAL		AVG LENGTH OF CUT 6000 FT			AVG WIDTH OF CUT 500 FT			AVG DIST TO DUMP 36 NM			
		DENSITY OF MATERIALS				1250		GMS/LITER		1250	
RIVER/TIDE STAGE		DENSITY OF WATER				1006		GMS/LITER@		60 °F	
		MIN	-0.67	TIME	09:00	MAX	0.36	TIME	16:00	GAGE LOCATION USCG	
WEATHER CONDITION		MIN	0.00	TIME	00:00	MAX	0.00	TIME	00:00	GAGE DATUM MLLW	
		WEATHER Weather Caused No Delay				TEMP 34 °F / 68 °F		VISIBILITY 10 MI		WIND NNW 5 MPH	
DRAFT						DISTRIBUTION OF TIME AND MILES RUN					
		LIGHT		LOADED				AGITATING (MIN)	DREDGE & HAUL (MIN)	MILES RUN (NAUT MI)	
FORWARD		8		17		EFFECTIVE WORKING TIME:					
AFT		10		16		PUMPING:	00:00	02:50	0.0		
DRAG DEPTH		MAX 0		MIN 0		TURNING:	00:00	00:00	0.0		
INDICATORS LAST CHECKED ON		08/14/2019									
AVERAGE SPEED OF DREDGE DURING LOADING		FT/MIN		0		TO DUMP:	00:00	10:45	0.0		
AVERAGE SPEED OF DREDGE DURING AGITATING		FT/MIN		0		CONNECTING:	00:00	00:00	0.0		
GALLONS OF FUEL OIL CONSUMED		GAL		2,960		DUMPING:	00:00	00:12	0.0		
GALLONS OF WATER CONSUMED		GAL		748		DISCONNECTING:	00:00	00:00	0.0		
						TO CUT:	00:00	10:13	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		7,905	Mobile Site 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		
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 375 of 377	
CONTRACT NO. W9127820F0001 W9127820F0032		CONTRACT TITLE IDIQ Hopper Dredge for Mobile Harbor				CONTRACTOR Dutra Dredging Co.				REPORT NO. 188	
CHARACTER OF REPORT		<input checked="" type="checkbox"/> MAINTENANCE <input type="checkbox"/> NEW WORK						DATE 02/03/2021			
DREDGE Columbia Hopper Dredge		HOPPER CAP: 4387 CY			AVG VOL OF BIN WATER: 0 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 Site 102 - SW		7,905	1,199,450	
CHARACTER OF MATERIAL		AVG LENGTH OF CUT 6000 FT			AVG WIDTH OF CUT 500 FT			AVG DIST TO DUMP 36 NM			
		DENSITY OF MATERIALS						1250	GMS/LITER		1250
RIVER/TIDE STAGE		DENSITY OF WATER						1006	GMS/LITER@		60 °F
		MIN 0.00		TIME 07:00		MAX 0.75		TIME 14:00		GAGE LOCATION USCG	
WEATHER CONDITION		MIN 0.00		TIME 00:00		MAX 0.00		TIME 00:00		GAGE DATUM MLLW	
		WEATHER Weather Caused No Delay				TEMP 32 °F / 58 °F		VISIBILITY 10 MI		WIND NNW 5 MPH	
DRAFT						DISTRIBUTION OF TIME AND MILES RUN					
LIGHT		LOADED						AGITATING (MIN)	DREDGE & HAUL (MIN)	MILES RUN (NAUT MI)	
FORWARD		8		17		EFFECTIVE WORKING TIME:					
AFT		10		16		PUMPING:	00:00	02:09	0.0		
DRAG DEPTH		MAX 0		MIN 0		TURNING:	00:00	00:00	0.0		
INDICATORS LAST CHECKED ON 08/14/2019						TO DUMP:	00:00	10:07	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		2,960		DISCONNECTING:	00:00	00:00	0.0		
GALLONS OF WATER CONSUMED		GAL		748		TO CUT:	00:00	08:13	0.0		
						TOTALS:	00:00	20:41	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		
4	7,905	Mobile Site 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		
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	03:19	0.0		
						TOTALS	00:00	03:19	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		

<b>QUALITY CONTROL REPORT-HOPPER DREDGE</b>			<b>PAGE NO.</b> Page 376 of 377
<b>CONTRACT NO.</b> W9127820F0032	<b>CONTRACT TITLE</b> IDIQ Hopper Dredge for Mobile Harbor	<b>CONTRACTOR</b> Dutra Dredging Co.	<b>REPORT NO.</b> 188
<b>DREDGE</b>	<b>NAME AND TYPE</b> Columbia Hopper Dredge	<b>DATE</b> 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	376+00 to 436+00	00:00	37	205	246
	Mobile Site 102 - SW	00:37	0	4	2,635
				0	0
2	376+00 to 436+00	04:06	41	205	433
	Mobile Site 102 - SW	04:47	0	4	2,635
				183	0
3	376+00 to 436+00	11:19	51	197	433
	Mobile Site 102 - SW	12:10	0	4	2,635
				181	0
4	376+00 to 436+00	18:32	0	0	129
	Mobile Site 102 - SW	18:32	0	0	0
				129	0

**QC NARRATIVE(S)**

<b>CONTRACTOR CERTIFICATION</b>	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.		
<b>QC REPRESENTATIVE'S SIGNATURE</b>	<b>DATE</b>	<b>SUPERINTENDENT'S INITIALS</b>	<b>DATE</b>



QUALITY CONTROL REPORT-HOPPER DREDGE

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CONTRACT NO.  
W9127820F0032

CONTRACT TITLE  
IDIQ Hopper Dredge for Mobile Harbor

CONTRACTOR  
Dutra Dredging Co.

REPORT NO.

188