	QUALITY CONTROL REPORT-HOPPER DREDGE										PA	GE NO.		Page 1 of 279
CONTRACT NO		CONTRACT TI			9. 11. 1			RACTOR			RE	PORT NO.		
W91278-14-D CHARACTER O		Maintenance I		of Mob			Dutra	Dredging Comp	any		DA	TE.		53
REPORT	•	X MAINTEN	NANCE		NEW V	VORK	ı					06/21/2014		
DRED	GE		PER CAP:			4487 CY	AVG V	OL OF BIN WAT	ER:	4487 CY	AVG L	JNFILLED CAP	:	0 CY
Colu	mbia	NO. OF CF MEMBER			DREDG	E	ОТН	IER PLANT	WORK SCI	HEDULE	SHIFT	S PER DAY	DA	YS PER WEEK
LOCATIO	ON OF	LOCATION CH	IANNEL	REAC	15 H DREDG	SED; STA	L TO STA	2	DISPOSAL A	REA USE				7 JLATIVE AND QTY
WOF	RK	Mobile Ship Cha	nnel	Sta 40	0+00 to 4	60+00			Cell 8 & 9		GROSS	5,270	DEP	OSIT FOR DA(CY) 5,270
		AVG LENGTH	STH OF CUT 6000 FT AVG WIDTH OF CUT 400 FT			400 FT	AVG D	DIST TO DUMP		36 NM				
CHARAC	CHARACTER OF DENSITY OF MATERIALS			1470	GMS/LI	TER		1470						
MATER	DENSITY OF WATER 1012				GMS/LI	TER@		0 °F						
RIVER/		MIN	0.00	TIME		00:00	MAX	0.00	TIME	00:00	GAGE	LOCATION D	og Riv	/erBridge
STAC	GE .	MIN	0.00	TIME		00:00	MAX	0.00	TIME	00:00	GAGE	DATUM M	LLW	
WEATHER C	ONDITION	WEATHER					TEMP	25 / 24 25	VISIBILITY		WIND	<del></del>		
	Weather Caused No Delay 73 °F / 91 °F 10 MI  DRAFT DISTRIBUTION OF TIME				10 MP									
										AGITA		DREDGE 8	<u> </u>	MILES RUN
FORWARD	LIGHT	6	LOADED			17	EFFECT	TIVE WORKING	TIME:	(MIN)	۷)	HAUL (MIN	l)	(NAUT MI)
AFT		9				17	PUMPIN				00:00 01:02			0.0
						17	TURNIN	IG:			00:00	00	0:00	0.0
DRAG DEPTH MAX 0 MI			MIN	1 0			TO DUM	 1Р:			00:00	04	4:32	0.0
INDICATORS LAST CHECKED ON 06/11/2014		14				CONNE	CTING:			00:00	00	0:00	0.0	
AVERAGE SPE	ED OF DREDGE	DURING	F	T/MIN			DUMPIN	NG:			00:00	00	0:05	0.0
LOADING AVERAGE SPE				T/MIN	UIIN		DISCON	NECTING:		00:		00	0:00	0.0
AGITATING			'			0	TO CUT	:		00:00		04	4:41	0.0
GALLONS OF F				GAL		1,000	TOTALS	S:			00:00	10	0:20	0.0
GALLONS OF W	VATER CONSUM	/IED		GAL		1,399	NON-EF	FECTIVE WOR	KING TIME:					
	'	WORK PERFORI	MED				TAKING	ON FUEL AND	SUPPLIES		00:00	00	0:00	0.0
		ND HAULING				ATING	ANCHO				00:00	00	0:00	0.0
NO.OF LOADS 2	TOTAL CYS 5,270		AL AREA 8 & 9			L CYS D	ELEMEN				00:00	00	0:00	0.0
							LOSS D BRIDGE	UE TO TRAFFIO S	C AND		00:00	00	0:00	0.0
								OPERATING RI			00:00	00	0:15	0.0
							TRANSF WORKS	FERRING BETW	VEEN		00:00	00	0:00	0.0
		ATTENDANT PL	ANT				LAY TIM	1E:			00:00	00	0:00	0.0
IT	EM	NAME OF	IE OR NUMBER H.P. HOURS		00:00	00	0:00	0.0						
40' Cre	ewboat	Cape	Anne		400	MISCELLANEOUS 00 12:00		00:00	1;	3:25	0.0			
		TOTALS		00:00	10	3:40	0.0							
							LOST TI							
								REPAIRS AND IATIONS			00:00	00	0:00	0.0
							CESSAT	ΓΙΟΝ:			00:00	00	0:00	0.0
							COLLIS	IONS:			00:00	00	0:00	0.0
							TOTALS				00:00	00	0:00	0.0
							TOTAL	TIME/MILES:			00:00	24	4:00	0.0

		QUALITY CONTRO		PAGE NO.	Page 2 of 279				
CONTRACT NO	).	CONTRACT TITLE	REPORT NO						
W91278-14-D	-0041 0001	Maintenance Dredging of Mobile Harbor	Dutra Dredgi	ing Company		12			
DREDGE NAME AND TYPE Columbia						<b>DATE</b> 06/21/2014			
			LOADS						
LOAD NUMBER	DREDGING AREA DISPOSAL AREA		START TIME STOP TIME	PUMPING TURNING	DUI	DUMP MPING CUT	TOTAL TIME DREDGED AMOUNT AGITATED AMOUNT		
			(HH:MM)	(MIN)		MIN)	(MIN/CYS)		
1	Sta 400+00 to	460+00	13:25	33		229	350		
	Cell 8 & 9		13:58	0		5	2,635		
						83	0		
2	Sta 400+00 to 460+00		19:15	29		43	270		
_	Cell 8 & 9		19:44	0		0	2,635		
						198	0		

#### **GENERAL COMMENTS**

620 Minutes @ 100% 820 Minutes @ 0% Start of Contract

CONTRACTOR CERTIFICATION	material used and work pe	n behalf of the contractor, I certify that this Report is complete and correct and all equipment and laterial used and work performed during this Reporting period are in compliance with the contract lans and specifications, to the best of my knowledge, except as noted above.										
QC REPRESENTATIVE'S SIGNATURE	DATE	SUPERINTENDENT'S INITIALS	B DATE									

			QUA	LITY	CONTR	OL REPO	ORT-HOPPER DRED	GE		PA	GE NO.		Page 3 of 279
CONTRACT NO		CONTRACT TI		<b></b>		_	CONTRACTOR			RE	PORT NO.		
W91278-14-D		Maintenance I	Oredging o	of Mob	ile Harbo	r	Dutra Dredging Comp	oany			ATE		13
REPORT	,r 	X MAINTEN	NANCE		NEW \	WORK					06/22/2014		
DRED	OGE	HOPF	PER CAP:			4487 CY	AVG VOL OF BIN WAT	ΓER:	4487 CY	AVG (	JNFILLED CAP	:	0 CY
Colu	mbia	NO. OF CF MEMBEF			DREDG	iΕ	OTHER PLANT	WORK SCI	HEDULE	SHIFT	S PER DAY	DA	YS PER WEEK
					15		2	DISPOSAL A	DEVICE	OTV D	2 EPOSITED	NI IN AL I	7 ILATIVE AND QTY
LOCATION WOR		LOCATION CH				GED; STA	TO STA		NLA USL	GROS	S(CY)		OSIT FOR DA(CY)
		Mobile Ship Cha		Sta 40	00+00 to 460+00 6000 FT		AVG WIDTH OF CUT	Cell 8 & 9	400 FT	A\/C	2,635   DIST TO DUMP		7,905 36 NM
						000011	AVG WIDTH OF COT						
CHARAC' MATEI		DENSITY OF M.	ATERIALS						1470	GMS/L	ITER		1470
		DENSITY OF W	ATER						1012	GMS/L	ITER@		78 °F
RIVER/		MIN	0.00	TIME		00:00	MAX 0.00	TIME	00:00	GAGE	LOCATION Do	g Riv	er
STA	GE	MIN	0.00	TIME		00:00	MAX 0.00	TIME	00:00	GAGE	DATUM MI	LW	
WEATHER C	ONDITION	WEATHER					TEMP	VISIBILITY		WIND			
		Weather Caus	sed No Del						21 MP				
		DRAFT						DISTRIBUT			MILES RUN		
	LIGHT		LOADED						AGITAT (MIN		DREDGE 8 HAUL (MIN		MILES RUN (NAUT MI)
FORWARD		6				17	EFFECTIVE WORKING TIME:						
AFT		9 PUMPING:					00:00	00	0:30	0.0			
DRAG DEPTH MAX 0 MIN 0			0			TURNING:			00:00	00	0:00	0.0	
INDICATORS L	AST CHECKED (	ON 06/11/20 <sup>-</sup>	1.4				TO DUMP:			00:00	07	7:00	0.0
INDIOATOROLA	AOT CHECKED	JN 00/11/20	14				CONNECTING:			00:00	00	0:00	0.0
	ED OF DREDGE	DURING	F	Γ/ΜΙΝ	MIN 0		DUMPING:			00:00	00	):13	0.0
	ED OF DREDGE	DURING	F	Γ/ΜΙΝ		0	DISCONNECTING:			00:00	00	0:00	0.0
AGITATING GALLONS OF F	UEL OIL CONSU	JMED		GAL		2,191	TO CUT:			00:00	04	1:12	0.0
GALLONS OF V	VATER CONSUM	ИED		GAL		935	TOTALS:			00:00	11	1:55	0.0
						933	NON-EFFECTIVE WOF	RKING TIME:			T		
		WORK PERFORM	MED				TAKING ON FUEL AND			00:00	00	0:00	0.0
NO.OF LOADS		AND HAULING	AL AREA			L CYS	TO AND FROM WHAR			00:00	00	0:00	0.0
3	2,635		8 & 9			0	LOSS DUE TO NATUR ELEMENTS:			00:00	00	0:00	0.0
							LOSS DUE TO TRAFFI BRIDGES	CAND		00:00	00	0:00	0.0
							MINOR OPERATING R			00:00	12	2:05	0.0
							TRANSFERRING BET\ WORKS	WEEN		00:00	00	0:00	0.0
		ATTENDANT PL	ANT				LAY TIME:			00:00	00	0:00	0.0
IT	ITEM NAME OR NUMBER		H.P.	HOURS	FIRE AND BOAT DRILI	LS:		00:00	00	0:00	0.0		
40' Crewboat Cape Anne			400	12:00	MISCELLANEOUS			00:00	00	0:00	0.0		
							TOTALS			00:00	12	2:05	0.0
							LOST TIME:				1	,	
							MAJOR REPAIRS AND ALTERNATIONS			00:00	00	0:00	0.0
							CESSATION:			00:00	00	0:00	0.0
							COLLISIONS:			00:00	00	0:00	0.0
							TOTALS:			00:00	00	0:00	0.0
							TOTAL TIME/MILES:			00:00	24	1:00	0.0

		QUALITY CONTRO	L REPORT-HOPPER	DREDGE		PAGE NO.	Page 4 of 279
CONTRACT NO	).	CONTRACT TITLE	CONTRACT	OR		REPORT NO.	
W91278-14-D	-0041 0001	Maintenance Dredging of Mobile Harbor	Dutra Dredg	ing Company			13
DREDGE	DREDGE NAME AND TYPE Columbia					<b>DATE</b> 06/22/2014	
			LOADS			•	
LOAD NUMBER		DREDGING AREA DISPOSAL AREA	START TIME STOP TIME	PUMPING TURNING	DUN	DUMP MPING CUT	TOTAL TIME DREDGED AMOUNT AGITATED AMOUNT
			(HH:MM)	(MIN)		MIN)	(MIN/CYS)
1	Sta 400+00 to	460+00	00:00	1		187	192
	Cell 8 & 9		00:01	0		4	0
						0	0
2	Sta 400+00 to	460+00	03:12	28		233	466
	Cell 8 & 9		03:40	0		9	2,635
						196	0
3	Sta 400+00 to	460+00	10:58	1		0	57
	Cell 8 & 9		10:59	0	0		0
						56	0

## **GENERAL COMMENTS**

715 Minutes @ 100% 725 Minutes @ 0% Minor Repairs

CONTRACTOR CERTIFICATION	material used a	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										PA	GE NO.		Page 5 of 279
CONTRACT NO		CONTRACT TI			9. 11. 1		CONTRA				RE	PORT NO.		
W91278-14-D CHARACTER O		Maintenance I		of Mob			Dutra Dr	edging Comp	any		DA	.TE		14
REPORT	•	X MAINTEN	NANCE		NEW V	VORK						06/23/2014		
DRED	GE		PER CAP:			4487 CY	AVG VOL	OF BIN WAT	ER:	4487 CY	AVG L	JNFILLED CAP	:	0 CY
Colu	mbia	NO. OF CF MEMBER			DREDG	E		R PLANT	WORK SCI	HEDULE	SHIFT	S PER DAY	DA	YS PER WEEK
LOCATIO	ON OF	LOCATION CH	IANNEL	REAC	15 H DREDG	SED; STA		2	DISPOSAL A	REA USE				7 JLATIVE AND QTY
WOF	RK	Mobile Ship Cha	annel	Sta 40	0+00 to 4	60+00			Cell 8 & 9		GROSS	7,905	DEP	OSIT FOR DA(CY) 15,810
		AVG LENGTH	OF CUT			6000 FT	AVG WID	TH OF CUT		400 FT	AVG D	DIST TO DUMP		36 NM
CHARAC	CHARACTER OF DENSITY OF MATERIALS			1470	GMS/LI	TER		1470						
MATER	MATERIAL			1012	GMS/LI	TER@		78 °F						
RIVER/		MIN	0.00	TIME		00:00	MAX	0.00	TIME	00:00	GAGE	LOCATION Do	og Riv	ver
STAC	GE	MIN	0.00	TIME		00:00	MAX	0.00	TIME	00:00	GAGE	DATUM MI	LLW	
WEATHER C	ONDITION	WEATHER					TEMP	/ 00 oF	VISIBILITY		WIND	<del></del>		
	Weather Caused No Delay         73 °F / 82 °F         10 MI           DRAFT         DISTRIBUTION					ION OF TIM	24 MP	MILES RUN						
	LICUT		LOADED							AGITA	ΓING	DREDGE 8		MILES RUN
FORWARD	LIGHT	6	LOADED			17	EFFECTIV	E WORKING	TIME:	(MIN)	N)	HAUL (MIN	)	(NAUT MI)
AFT		9				17	PUMPING:				00:00	01	1:24	0.0
			L MIN				TURNING:				00:00	00	0:09	0.0
DRAG DEPTH MAX 0 MII			IVIIIN	1 0			TO DUMP:				00:00	10	0:15	0.0
INDICATORS LAST CHECKED ON 06/11/2014		14				CONNECT	ING:			00:00	00	0:00	0.0	
AVERAGE SPE	ED OF DREDGE	DURING	F	T/MIN			DUMPING:				00:00	00	0:08	0.0
LOADING AVERAGE SPE				T/MIN		0	DISCONNECTING:			00:00	00	0:00	0.0	
AGITATING	UEL OIL CONSU			GAL		0	TO CUT:				00:00	09	9:37	0.0
	VATER CONSUN			GAL		2,280	TOTALS:				00:00	2′	1:33	0.0
O/ILLONG OF V	WATER CONCOR			O/ (L		561	NON-EFFE	CTIVE WOR	KING TIME:					
	'	WORK PERFORI	MED					N FUEL AND			00:00	00	0:00	0.0
NO OF LOADS		ND HAULING	AL ADEA			ATING	ANCHORA				00:00	00	0:00	0.0
NO.OF LOADS 3	TOTAL CYS 7,905		AL AREA 8 & 9			L CYS	ELEMENTS				00:00	00	0:00	0.0
							BRIDGES	TO TRAFFIC	J AND		00:00	00	0:00	0.0
								ERATING RI			00:00	02	2:27	0.0
							WORKS	RRING BETV	VEEN		00:00	00	0:00	0.0
		ATTENDANT PL	ANT				LAY TIME:				00:00	00	0:00	0.0
IT	EM	NAME OR NUMBER H.P. HOURS FIRE AND BOAT DRILLS:		00:00	00	0:00	0.0							
40' Cre	ewboat	Cape	Anne		400	12:00	MISCELLANEOUS		00:00	00	0:00	0.0		
	TOTALS			00:00	02	2:27	0.0							
							LOST TIME					T	T	
							ALTERNAT				00:00		0:00	0.0
							CESSATIO				00:00		0:00	0.0
							COLLISION	NS:			00:00		0:00	0.0
							TOTALS:				00:00		0:00	0.0
							TOTAL TIM	ME/MILES:			00:00	24	1:00	0.0

		QUALITY CONTRO	L REPORT-HOPPER	DREDGE		PAGE NO. Page 6 of 279			
CONTRACT NO	).	CONTRACT TITLE	CONTRACT	OR		REPORT NO.			
W91278-14-D	-0041 0001	Maintenance Dredging of Mobile Harbor	Dutra Dredg	ing Company			14		
DREDGE NAME AND TYPE Columbia					<b>DATE</b> 06/23/2014				
		-	LOADS			-			
LOAD NUMBER		DREDGING AREA DISPOSAL AREA	START TIME STOP TIME	PUMPING TURNING	DUN	DUMP MPING CUT	TOTAL TIME DREDGED AMOUNT AGITATED AMOUNT		
			(HH:MM)	(MIN)		ЛIN)	(MIN/CYS)		
1	Sta 400+00 to	460+00	02:08	23		240	408		
	Cell 8 & 9		02:31	0		4	2,635		
						141	0		
2	Sta 400+00 to	460+00	09:15	29		204	458		
	Cell 8 & 9		09:53	9		4	2,635		
						212	0		
3	Sta 400+00 to	460+00	16:53	32		171	427		
	Cell 8 & 9		17:25	0		0	2,635		
						224	0		

## **GENERAL COMMENTS**

1293 Minutes @ 100%

147 Minutes @ 0% Minor Repairs

CONTRACTOR CERTIFICATION	material used a	and work performed during t	is Report is complete and correct a this Reporting period are in complia knowledge, except as noted above.	ance with the contract
QC REPRESENTATIVE'S SIGNATURE		DATE	SUPERINTENDENT'S INITIALS	DATE

			QUA	LITY	CONTR	OL REPO	ORT-HOPPER DREDG	SE .		PA	AGE NO.		Page 7 of 279
CONTRACT NO		CONTRACT TI					CONTRACTOR			RI	EPORT NO.		
W91278-14-D		Maintenance I	Oredging o	f Mobi	ile Harbo	r	Dutra Dredging Comp	any		-	\		15
REPORT	,r 	X MAINTEN	NANCE		NEW V	VORK					ATE 06/24/2014		
DRED	OGE	HOPF	ER CAP:			4487 CY	AVG VOL OF BIN WAT	ER:	4487 CY	AVG	UNFILLED CAP	:	0 CY
Colu	mbia	NO. OF CF MEMBEF			DREDG	E	OTHER PLANT	WORK SC	HEDULE	SHIF	TS PER DAY	DA	YS PER WEEK
					15		2	DISPOSAL A	REA LISE	OTV	2 EPOSITED	N INALI	7 ILATIVE AND QTY
LOCATION WOR					CH DREDGED; STA T		TOSTA		IKE/KOOL	GROS	S(CY)		OSIT FOR DA(CY)
		Mobile Ship Cha		Sta 40	0+00 to 4	60+00 6000 FT	FT AVG WIDTH OF CUT		400 FT	AVG I	5,270   DIST TO DUMP		21,080 36 NM
							Ave wight of eet				<u> </u>		
CHARAC MATE		DENSITY OF M.	ATERIALS						1470	GMS/L	IIEK		1470
		DENSITY OF W	ATER					T	1012	GMS/L	ITER@		78 °F
RIVER		MIN	0.00	TIME		00:00	MAX 0.00	O TIME 00:00		GAGE	LOCATION Do	og Riv	er
STA	GE	MIN	0.00	TIME		00:00	MAX 0.00	TIME	00:00	GAGE	DATUM MI	LLW	
WEATHER C	ONDITION	WEATHER					TEMP	VISIBILITY		WIND			
	Weather Caused No Delay 73 °F / 91 °F 10 MI  DRAFT DISTRIBUTION OF 1				•	17 MP							
	Γ	DRAFI						DISTRIBUT	AGITAT		DREDGE 8	2.	MILES RUN
	LIGHT		LOADED					(MIN)			HAUL (MIN		(NAUT MI)
FORWARD		6				17		FFECTIVE WORKING TIME:			Ι		
AFT		9 17 PUMPING:					00:00	<u> </u>	1:12	0.0			
DRAG DEPTH MAX 0 MIN 0			0			TURNING:			00:00		0:09	0.0	
INDICATORS LA	AST CHECKED (	ON 06/11/20 <sup>-</sup>	14				TO DUMP:			00:00		3:33	0.0
							CONNECTING:			00:00		0:00	0.0
AVERAGE SPE LOADING	ED OF DREDGE	DURING	FT	/MIN	0		DUMPING: DISCONNECTING:			00:00		0:08	0.0
AVERAGE SPE AGITATING	ED OF DREDGE	DURING	FT	/MIN		0	TO CUT:			00:00		0:00 6:28	0.0
	UEL OIL CONSU	JMED		GAL		2,560	TOTALS:			00:00		6:30	0.0
GALLONS OF V	VATER CONSUM	ИED		GAL		935	NON-EFFECTIVE WOR	KING TIME:		00.00		J.30	
	,	WORK PERFORI	MED				TAKING ON FUEL AND			00:00	00	0:00	0.0
	DREDGING A	AND HAULING			AGIT	ATING	TO AND FROM WHARF			00:00		0:00	0.0
NO.OF LOADS			AL AREA			L CYS	ANCHORAGE: LOSS DUE TO NATURA	AL.		00:00		0:00	0.0
3	5,270	Cell	8 & 9		(	0	ELEMENTS: LOSS DUE TO TRAFFI	CAND		00:00		0:00	0.0
							BRIDGES MINOR OPERATING R	EPAIRS		00:00		7:30	0.0
							TRANSFERRING BETV WORKS	VEEN		00:00	00	0:00	0.0
		ATTENDANT DI	A N.T				LAY TIME:			00:00	00	0:00	0.0
		ATTENDANT PLA		. 1		ugung	FIRE AND BOAT DRILL	.S:		00:00	00	0:00	0.0
	ITEM NAME OR NUMBER H.P. HOURS MISCELLANEOUS			00:00	00	0:00	0.0						
40' Cre	ewboat	Cape	Anne		400	12:00	TOTALS			00:00	07	7:30	0.0
							LOST TIME:				•		-
							MAJOR REPAIRS AND ALTERNATIONS			00:00	00	0:00	0.0
							CESSATION:			00:00	00	0:00	0.0
							COLLISIONS:			00:00	00	0:00	0.0
							TOTALS:			00:00	00	0:00	0.0
							TOTAL TIME/MILES:			00:00	24	1:00	0.0

		QUALITY CONTRO	OL REPORT-HOPPER	DREDGE		PAGE NO.	Page 8 of 279				
CONTRACT NO	) <u>.</u>	CONTRACT TITLE	CONTRACT	OR		REPORT NO.					
W91278-14-D	-0041 0001	Maintenance Dredging of Mobile Harbor	Dutra Dredgi	ng Company			15				
DREDGE NAME AND TYPE						DATE					
Columbia						06/24/2014					
	LOADS										
LOAD NUMBER		DREDGING AREA DISPOSAL AREA	START TIME STOP TIME	PUMPING TURNING	DUN	DUMP MPING CUT	TOTAL TIME DREDGED AMOUNT AGITATED AMOUNT				
			(HH:MM)	(MIN)	(1)	ЛIN)	(MIN/CYS)				
1	Sta 400+00 to	460+00	00:00	1		62	67				
	Cell 8 & 9		00:01	0		4	0				
						0	0				
2	Sta 400+00 to	460+00	01:07	36		231	476				
	Cell 8 & 9		01:52	9		4	2,635				
						196	0				
3	Sta 400+00 to	460+00	09:03	35		220	447				
	Cell 8 & 9		09:38	0		0	2,635				
						192	0				

## **GENERAL COMMENTS**

990 Minutes @ 100%

450 Minutes @ 0% Minor Repairs

CONTRACTOR CERTIFICATION	material used and work perform	ertify that this Report is complete and correct a ned during this Reporting period are in compli- best of my knowledge, except as noted above	ance with the contract
QC REPRESENTATIVE'S SIGNATURE	DATE	SUPERINTENDENT'S INITIALS	DATE

			QUA	LITY	CONTR	OL REPO	ORT-HOPPER DREDO	ЭE		PA	AGE NO.		Page 9 of 279
CONTRACT NO		CONTRACT TI					CONTRACTOR			RE	PORT NO.		
W91278-14-D		Maintenance I	Dredging o	of Mobi	ile Harbo	r	Dutra Dredging Comp	oany		4.			16
CHARACTER C REPORT	)F	X MAINTEN	NANCE		] NEW \	WORK					ATE 06/25/2014		
DRED	OGE	HOPF	PER CAP:			4487 CY	AVG VOL OF BIN WAT	TER:	4487 CY	AVG I	JNFILLED CAF	<b>&gt;</b> :	0 CY
Colu	mbia	NO. OF CF MEMBER			DREDGE		OTHER PLANT WORK SCH		HEDULE	JLE SHIFTS PER DAY		DA	YS PER WEEK
		LOCATION CH	JANNEI	DEAC	15 H DBEDC	GED; STA	2	DISPOSAL A	REA USE	QTY D	2 EPOSITED	CUML	7 JLATIVE AND QTY
LOCATION WOR		Mobile Ship Cha				*	10314	Cell 8 & 9		GROS	S(CY)		OSIT FOR DA(CY) 26,350
		AVG LENGTH		,			AVG WIDTH OF CUT	Cell 0 & 9	400 FT	AVG [	5,270 DIST TO DUMF	,	36 NM
CHARACTER OF DENSITY OF		DENSITY OF M	ATERIALS						1470	GMS/L	ITER		1470
CHARACTER OF MATERIAL DENSITY OF										GMS/L			80 °F
			Т					T					
RIVER/TIDE STAGE		MIN	0.00	TIME		00:00	MAX 0.00	TIME	00:00	GAGE	LOCATION D	og Riv	er
		MIN	0.00	TIME		00:00		TIME	00:00		DATUM N	1LLW	
WEATHER C	ONDITION	WEATHER Weather Caus	sed No Dela	av			TEMP 72 °F / 90 °F	VISIBILITY F 10 MI		WIND 24 MP	Н		
DRAFT							•	ION OF TIM	/IE AND	MILES RUN			
	LIGHT		LOADED						AGITAT		DREDGE HAUL (MIN		MILES RUN (NAUT MI)
FORWARD		6				17	EFFECTIVE WORKING	FECTIVE WORKING TIME:		<b>v</b> )	TIAOL (WIII	<b>v</b> )	(NAOT WII)
AFT		9 17 PUMPING:				00:00	0	1:02	0.0				
DRAG DEPTH	MAX 0		<u>I</u> MIN	0			TURNING:			00:00	0	00:08	0.0
						TO DUMP:			00:00	0	7:29	0.0	
INDICATORS L	AST CHECKED (	ON 06/11/20 <sup>-</sup>	14				CONNECTING:			00:00	0	00:00	0.0
	ED OF DREDGE	DURING	F1	FT/MIN 0		0	DUMPING:			00:00	0	80:00	0.0
LOADING AVERAGE SPE	ED OF DREDGE	DURING	F7	Γ/ΜΙΝ		0	DISCONNECTING:			00:00	0	00:00	0.0
AGITATING GALLONS OF F	UEL OIL CONSU	JMED		GAL		2,128	то сит:			00:00	0	7:47	0.0
GALLONS OF V	VATER CONSUM	ИED		GAL		935	TOTALS:			00:00	1	6:34	0.0
		WORK PERFORI	MED			933	NON-EFFECTIVE WOF		T		<u> </u>	<del></del>	
			WIED				TAKING ON FUEL AND TO AND FROM WHARI			00:00		00:00	0.0
NO.OF LOADS		AND HAULING	AL AREA			L CYS	ANCHORAGE: LOSS DUE TO NATUR			00:00		00:00	0.0
3	5,270		8 & 9			0	ELEMENTS: LOSS DUE TO TRAFFI			00:00		00:00	0.0
							BRIDGES			00:00		00:00	0.0
							MINOR OPERATING R TRANSFERRING BETV			00:00		7:26	0.0
							WORKS			00:00		00:00	0.0
		ATTENDANT PL	ANT				LAY TIME:	0:		00:00		00:00	0.0
IT	EM	NAME OF	R NUMBER	R	H.P.	HOURS	FIRE AND BOAT DRILI MISCELLANEOUS			00:00		00:00	0.0
40' Cre	ewboat	Cape	Anne		400	12:00	TOTALS			00:00		7:26	0.0
							LOST TIME:			00.00		7.20	0.0
							MAJOR REPAIRS AND			00:00	n	00:00	0.0
							ALTERNATIONS CESSATION:			00:00		00:00	0.0
							COLLISIONS:			00:00		00:00	0.0
							TOTALS:			00:00		00:00	0.0
							TOTAL TIME/MILES:			00:00	2	24:00	0.0
		1				1	I		ļ		<u> </u>	$-\!\!-\!\!\!\!-\!$	

		QUALITY CONTRO	DL REPORT-HOPPER	DREDGE		PAGE NO.	Page 10 of 279	
CONTRACT NO	).	CONTRACT TITLE	CONTRACT	OR		REPORT NO.		
W91278-14-D	-0041 0001	Maintenance Dredging of Mobile Harbor	Dutra Dredgi	ng Company			16	
DREDGE	REDGE NAME AND TYPE Columbia					<b>DATE</b> 06/25/2014		
			LOADS			•		
LOAD NUMBER		DREDGING AREA DISPOSAL AREA	START TIME STOP TIME	PUMPING TURNING	DUN	DUMP MPING CUT	TOTAL TIME DREDGED AMOUNT AGITATED AMOUNT	
			(HH:MM)	(MIN)	(1)	ЛIN)	(MIN/CYS)	
1	Sta 400+00 to	460+00	00:00	1		2	7	
	Cell 8 & 9		00:01	0		4	0	
						0	0	
2	Sta 400+00 to	460+00	00:07	33		227	488	
	Cell 8 & 9		00:48	8		4	2,635	
						216	0	
3	Sta 400+00 to	460+00	09:11	28		220	499	
	Cell 8 & 9		09:39	0	0		2,635	
	230					251	0	

## **GENERAL COMMENTS**

994 Minutes @ 100%

446 Minutes @ 0% Minor Repairs & DQM Cert

CONTRACTOR CERTIFICATION	material used a	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									PA	AGE NO.		Page 11 of 279	
CONTRACT NO		CONTRACT TI					CONTRACTOR			RE	PORT NO.		
W91278-14-D		Maintenance [	Oredging o	of Mobi	ile Harbo	r	Dutra Dredging Comp	pany					17
CHARACTER O REPORT	F	X MAINTEN	IANCE		NEW V	WORK					ATE 06/26/2014		
DRED	GE	HOPF	ER CAP:			4487 CY	AVG VOL OF BIN WATER: 4487 CY		AVG I	UNFILLED CAP	:	0 CY	
Colu	mbia	NO. OF CF MEMBEF			DREDG	iΕ	OTHER PLANT	WORK SCH	HEDULE	SHIFT	TS PER DAY	DA	YS PER WEEK
		LOCATION CL	IANINITI	DEAG	15	DED. OTA	2	DISPOSAL A	REA USE	OTY D	2 EPOSITED	:UMI	7 JLATIVE AND QTY
LOCATIO WOR		LOCATION CF  Mobile Ship Cha					TO STA DISPOSAL AREA U			GROS	S(CY)		OSIT FOR DA(CY) 34,255
		AVG LENGTH		Sta 40	0+00 to 4	6000 FT	AVG WIDTH OF CUT	Cell 6 & 9	400 FT	7,905 AVG DIST TO DUMP			34,233 36 NM
		DENSITY OF M.	ATERIAI S						1470	GMS/L	ITER		1470
CHARACT MATER													
		DENSITY OF W	ATER T								ITER@		80 °F
RIVER/		MIN	0.00	TIME		00:00	MAX 0.00	0.00 TIME 00:00 (			LOCATION Do	og Riv	/er
STAC	<b>3</b> E	MIN	0.00	TIME		00:00	MAX 0.00	TIME	00:00	GAGE	DATUM MI	LLW	
WEATHER C	ONDITION	WEATHER					TEMP						
		Weather Caus	sea No Dei	ay			DISTRIBUTION OF TIME			17 MP			
							AGITATINO				DREDGE 8	<u>.                                    </u>	MILES RUN
500,4400	LIGHT		LOADED				EFFECTIVE WORKING TIME: (MIN)			)	HAUL (MIN	)	(NAUT MI)
FORWARD		6				17				00:00	0.	1:16	0.0
AFT						17	TURNING:			00:00		0:08	0.0
DRAG DEPTH MAX 0 MIN			0			TO DUMP:			00:00		0:54	0.0	
INDICATORS LA	AST CHECKED (	ON 06/25/201	14				CONNECTING:			00:00		0:00	0.0
				ET/MINI			DUMPING:			00:00		0:16	0.0
AVERAGE SPEE LOADING				T/MIN		0	DISCONNECTING:			00:00		0:00	0.0
AVERAGE SPEE AGITATING	ED OF DREDGE	DURING	F	T/MIN		0	TO CUT:			00:00		1:11	0.0
GALLONS OF F	UEL OIL CONSI	JMED		GAL		3,005	TOTALS:			00:00	23	3:45	0.0
GALLONS OF V	VATER CONSUM	MED		GAL		735	NON-EFFECTIVE WOF	KING TIME:					
	,	WORK PERFOR	ИED				TAKING ON FUEL AND	SUPPLIES		00:00	00	0:00	0.0
	DREDGING A	ND HAULING			AGIT	ATING	TO AND FROM WHARI ANCHORAGE:	OR		00:00	00	0:00	0.0
NO.OF LOADS 5	TOTAL CYS 7,905		AL AREA 3 & 9			L CYS 0	LOSS DUE TO NATURA ELEMENTS:	AL		00:00	00	0:00	0.0
	1,000					-	LOSS DUE TO TRAFFI BRIDGES	C AND		00:00	00	0:00	0.0
							MINOR OPERATING R	EPAIRS		00:00	00	0:15	0.0
							TRANSFERRING BETV WORKS	VEEN		00:00	00	0:00	0.0
		L ATTENDANT PL	ANT				LAY TIME:			00:00	00	0:00	0.0
IT			HOURS	FIRE AND BOAT DRILL	S:		00:00	00	0:00	0.0			
40' Crewboat Cape Anne			400	12:00	MISCELLANEOUS			00:00	00	0:00	0.0		
10 010		Сиро	74110			12.00	TOTALS		00:00	00	0:15	0.0	
							LOST TIME:						
	MAJOR REPAIRS AND ALTERNATIONS				00:00	00	0:00	0.0					
							CESSATION:			00:00	00	0:00	0.0
							COLLISIONS:			00:00	00	0:00	0.0
							TOTALS:			00:00	00	0:00	0.0
							TOTAL TIME/MILES:			00:00	24	4:00	0.0

		QUALITY CONTROL	L REPORT-HOPPER	DREDGE		PAGE NO.	
		QUALITY CONTROL		DIVERSE			Page 12 of 279
CONTRACT NO	<b>)</b> .	CONTRACT TITLE	CONTRACT	OR		REPORT NO	).
W91278-14-D	0-0041 0001	Maintenance Dredging of Mobile Harbor	Dutra Dredgi	ing Company			17
DREDGE		NAME AND TYPE				<b>DATE</b> 06/26/2014	1
		Columbia	LOADS			00/20/201	•
					ТО	DUMP	TOTAL TIME
LOAD NUMBER		DREDGING AREA DISPOSAL AREA	START TIME STOP TIME	PUMPING TURNING	DUN	MPING CUT	DREDGED AMOUNT AGITATED AMOUNT
			(HH:MM)	(MIN)	(1)	ΛIN)	(MIN/CYS)
1	Sta 400+00 to	460+00	00:00	1		1	6
	Cell 8 & 9		00:01	0		4	0
						0	0
2	Sta 400+00 to	460+00	00:06	24		235	464
	Cell 8 & 9		00:30	0		4	2,635
					:	201	0
3	Sta 400+00 to	460+00	07:50	28		210	428
	Cell 8 & 9		08:26	8		4	2,635
						178	0
4	Sta 400+00 to	460+00	14:58	22		208	449
	Cell 8 & 9		15:20	0		4	2,635
						215	0
5	Sta 400+00 to	460+00	22:42	1		0	78
	Cell 8 & 9		22:43	0		0	0
						77	0

PAGE NO.

# QC NARRATIVE(S)

## **GENERAL COMMENTS**

1425 Minutes @ 100% 15 Minutes @ 0% Lost Prime

CONTRACTOR CERTIFICATION	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									PA	GE NO.		Page 13 of 279	
CONTRACT NO		CONTRACT TI	TLE				CONTRACTOR			RE	PORT NO.		
W91278-14-D		Maintenance I	Oredging o	of Mobi	ile Harbo	r	Dutra Dredging Comp	oany					18
CHARACTER O REPORT	F	X MAINTEN	IANCE		NEW V	WORK					ATE 06/27/2014		
DRED	GE	HOPF	ER CAP:			4487 CY	AVG VOL OF BIN WATER: 4487 CY		4487 CY	AVG (	JNFILLED CAP:	:	0 CY
Colui	mbia	NO. OF CF MEMBER			DREDG	iΕ	OTHER PLANT	WORK SCH	HEDULE	SHIFT	S PER DAY	DA	YS PER WEEK
LOCATIO	ON OF	LOCATION CH	IANNEL	REAC	15 H DREDO	SED; STA	2 TO STA	DISPOSAL A					7 JLATIVE AND QTY
WOR		Mobile Ship Cha	ınnel	Sta 400+00 to 460+00				G Cell 8 & 9			S(CY) 7,905	DEP	OSIT FOR DA(CY) 42,160
		AVG LENGTH	OF CUT			6000 FT	AVG WIDTH OF CUT	•	400 FT	AVG DIST TO DUMP			36 NM
CHARACTER OF DENSITY OF MATERIALS			ATERIALS						1470	GMS/LI	ITER		1470
MATER	RIAL	DENSITY OF WATER 1012			1012	GMS/LI	ITER@		80 °F				
RIVER/		MIN	0.00	TIME		00:00	MAX 0.00	0.00 TIME 00:00 C			LOCATION Do	g Riv	/er
STAC	STAGE MIN 0.00 TIME 00:00 MAX 0.00 TIME			TIME	00:00	GAGE	DATUM ML	LW					
WEATHER C	ONDITION	WEATHER					TEMP				<u> </u>		
		Weather Caus	sed No Del	ay			72 °F / 88 °F	72 °F / 88 °F   10 MI   13			MILES BUN		
		DRAFI					DISTRIBUTION OF TIME A				DREDGE 8		MILES RUN
	LIGHT		LOADED				(MIN)				HAUL (MIN		(NAUT MI)
FORWARD		6				17	EFFECTIVE WORKING TIME:				1		
AFT	9			PUMPING:			00:00		1:14	0.0			
DRAG DEPTH MAX 0 MIN			0			TURNING:			00:00		0:00	0.0	
INDICATORS LA	AST CHECKED (	ON 06/25/20 <sup>-</sup>	14				TO DUMP:			00:00		1:09	0.0
							CONNECTING:			00:00		0:00	0.0
AVERAGE SPEE	ED OF DREDGE	DURING	F	T/MIN		0	DUMPING:			00:00		):12	0.0
	ED OF DREDGE	DURING	F	T/MIN		0	DISCONNECTING:			00:00		0:00	0.0
	UEL OIL CONSU	JMED		GAL		3,220	TO CUT: TOTALS:			00:00		9:39 2:14	0.0
GALLONS OF W	VATER CONSUM	MED		GAL		748	NON-EFFECTIVE WOR	RKING TIME:		00.00	22	. 14	0.0
	,	WORK PERFORI	ИED				TAKING ON FUEL AND			00:00	00	0:00	0.0
	DREDGING A	ND HAULING			AGIT	ATING	TO AND FROM WHARI	FOR		00:00	00	0:00	0.0
NO.OF LOADS	TOTAL CYS		AL AREA			L CYS	ANCHORAGE: LOSS DUE TO NATUR. ELEMENTS:	AL		00:00	00	0:00	0.0
4	7,905	Cell	3 & 9			0	LOSS DUE TO TRAFFI	C AND		00:00	00	0:00	0.0
							BRIDGES MINOR OPERATING R	EPAIRS		00:00	01	1:46	0.0
							TRANSFERRING BETV WORKS	VEEN		00:00	00	0:00	0.0
		ATTENDANT DI	ANT				LAY TIME:			00:00	00	0:00	0.0
17		ATTENDANT PLANT  FIRE AND BOAT DRILLS:			00:00	00	0:00	0.0					
		H.P.	HOURS	MISCELLANEOUS			00:00	00	0:00	0.0			
40' Cre	ewboat	Cape	Anne		400	12:00	TOTALS		00:00	01	1:46	0.0	
	LOST TIME:						•						
	MAJOR REPAIRS AND ALTERNATIONS				00:00	00	0:00	0.0					
							CESSATION:			00:00	00	0:00	0.0
							COLLISIONS:			00:00	00	0:00	0.0
					_		TOTALS:			00:00	00	0:00	0.0
							TOTAL TIME/MILES:			00:00	24	1:00	0.0

		QUALITY CONTROL	REPORT-HOPPER	DREDGE		PAGE NO.	Page 14 of 279
CONTRACT NO	O.	CONTRACT TITLE	CONTRACT	OR		REPORT NO	).
W91278-14-I	D-0041 0001	Maintenance Dredging of Mobile Harbor		18			
DREDGE		NAME AND TYPE Columbia	<b>DATE</b> 06/27/2014				
		•	LOADS			•	
LOAD NUMBER		DREDGING AREA DISPOSAL AREA	START TIME STOP TIME	PUMPING TURNING	DUM TO	DUMP MPING CUT	TOTAL TIME DREDGED AMOUNT AGITATED AMOUNT
	01. 400.001	100.00	(HH:MM)	(MIN)		MIN)	(MIN/CYS)
1	Sta 400+00 to Cell 8 & 9	460+00	00:00 00:24	24 0		231 4 110	369 2,635 0
2	Sta 400+00 to	460+00	06:09	22	225		437
2	Cell 8 & 9		06:31	0		4 186	2,635 0
3	Sta 400+00 to Cell 8 & 9	460+00	13:26 13:53	27 0		213 4 204	448 2,635 0
4	Sta 400+00 to 460+00 Cell 8 & 9		20:54 20:55	1 0		0	80 0
	Joen o d o					79	0

#### **GENERAL COMMENTS**

1334 Minutes @ 100%

106 Minutes @ 0% Minor repairs to STBD ME oil line

CONTRACTOR CERTIFICATION	material used an	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									PA	AGE NO.		Page 15 of 279	
CONTRACT NO		CONTRACT TI					CONTRACTOR			RE	PORT NO.		
W91278-14-D CHARACTER O		Maintenance [	Oredging o	of Mobi	ile Harbo	r	Dutra Dredging Comp	pany					19
REPORT	'F	X MAINTEN	NANCE		NEW V	WORK					ATE 06/28/2014		
DRED	GE	HOPF	PER CAP:			4487 CY	AVG VOL OF BIN WATER: 4487 CY		4487 CY	AVG (	JNFILLED CAP	:	0 CY
Colu	mbia	NO. OF CF MEMBEF			DREDG	iΕ	OTHER PLANT	WORK SCI	HEDULE	SHIFT	TS PER DAY	DA	AYS PER WEEK
		LOCATION CL	IANINIEI	DEAG	15	DED. OTA	2	DISPOSAL A	REA USE	OTY D	2 EPOSITED C	:UML	7 JLATIVE AND QTY
LOCATIO WOR		LOCATION CF  Mobile Ship Cha					LIUSIA I			GROS			OSIT FOR DA(CY) 50,065
		AVG LENGTH		Sta 40	0+00 to 4	6000 FT	AVG WIDTH OF CUT	Cell 6 & 9	400 FT	AVG DIST TO DUMP			36 NM
		DENSITY OF M.	ΔΤΕΡΙΔΙ S						1470	GMS/L	ITER		1470
CHARACT MATER											<del>.</del>		
		DENSITY OF W	ATER					1012			ITER@ ————		80 °F
RIVER/		MIN	0.00	TIME		00:00	MAX 0.00	0.00 TIME 00:00			LOCATION Do	g Riv	/er
STAC	<b>3</b> E	MIN	0.00	TIME		00:00	MAX 0.00	TIME	00:00	GAGE	DATUM MI	LLW	
WEATHER C	ONDITION	WEATHER	N- D-I				TEMP						
		Weather Caus	sea No Dei	ay			DISTRIBUTION OF TIME			18 MP			
							AGITATINO				DREDGE 8	<u>.                                    </u>	MILES RUN
500,4400	LIGHT		LOADED				EFFECTIVE WORKING TIME: (MIN)			)	HAUL (MIN	)	(NAUT MI)
FORWARD		6				17				00:00 01:		1:18	0.0
AFT						17	TURNING:			00:00		0:09	0.0
DRAG DEPTH MAX 0 MIN			0			TO DUMP:			00:00		1:01	0.0	
INDICATORS LA	AST CHECKED (	ON 06/25/201	14				CONNECTING:			00:00		0:00	0.0
				ET/MINI			DUMPING:			00:00		0:12	0.0
AVERAGE SPEE LOADING				T/MIN		0	DISCONNECTING:			00:00		0:00	0.0
AVERAGE SPEE AGITATING	ED OF DREDGE	DURING	F	T/MIN		0	TO CUT:			00:00		1:01	0.0
GALLONS OF F	UEL OIL CONSI	JMED		GAL		2,065	TOTALS:			00:00	23	3:41	0.0
GALLONS OF V	VATER CONSUM	MED		GAL		935	NON-EFFECTIVE WOF	RKING TIME:			<u></u>		
	,	WORK PERFOR	MED				TAKING ON FUEL AND	SUPPLIES		00:00	00	0:00	0.0
	DREDGING A	ND HAULING			AGIT	ATING	TO AND FROM WHARI ANCHORAGE:	OR		00:00	00	0:00	0.0
NO.OF LOADS 4	TOTAL CYS 7,905		AL AREA 8 & 9			L CYS 0	LOSS DUE TO NATUR. ELEMENTS:	AL		00:00	00	0:00	0.0
	1,000					-	LOSS DUE TO TRAFFI BRIDGES	C AND		00:00	00	0:00	0.0
							MINOR OPERATING R	EPAIRS		00:00	00	0:19	0.0
							TRANSFERRING BETV WORKS	VEEN		00:00	00	0:00	0.0
		L ATTENDANT PLA	ANT				LAY TIME:			00:00	00	0:00	0.0
IT			FIRE AND BOAT DRILI	_S:		00:00	00	0:00	0.0				
40' Crewboat Cape Anne			400	12:00	MISCELLANEOUS			00:00	00	0:00	0.0		
10 010		Сиро	7 11110			12.00	TOTALS		00:00	00	0:19	0.0	
							LOST TIME:						
	MAJOR REPAIRS AND ALTERNATIONS				00:00	00	0:00	0.0					
		CESSATION:			00:00	00	0:00	0.0					
							COLLISIONS:			00:00	00	0:00	0.0
							TOTALS:			00:00	00	0:00	0.0
							TOTAL TIME/MILES:			00:00	24	4:00	0.0

	QUALITY CONTROL	REPORT-HOPPER	DREDGE		PAGE NO.	Page 16 of 279
). -0041 0001	CONTRACT TITLE  Maintenance Dredging of Mobile Harbor	REPORT NO.				
	NAME AND TYPE Columbia		<b>DATE</b> 06/28/2014			
		LOADS				
	DREDGING AREA DISPOSAL AREA	START TIME STOP TIME	PUMPING TURNING	DUI	MPING	TOTAL TIME DREDGED AMOUNT AGITATED AMOUNT
		(HH:MM)	(MIN)	,		(MIN/CYS)
Sta 400+00 to 460+00		00:00	30		230	374
Cell 8 & 9		00:30	0		4	2,635
					110	0
Sta 400+00 to	460+00	06:14	21		239	446
Cell 8 & 9		06:35	0		4	2,635
					182	0
Sta 400+00 to	460+00	13:40	26		192	451
Cell 8 & 9		14:15	9		4	2,635
23000					220	0
Sta 400+00 to 460+00		21:30	1		0	150
Cell 8 & 9		21:31	0		0	0
25 2 4 5					149	0
	Sta 400+00 to Cell 8 & 9  Sta 400+00 to Cell 8 & 9  Sta 400+00 to Cell 8 & 9	CONTRACT TITLE  Maintenance Dredging of Mobile Harbor  NAME AND TYPE  Columbia  DREDGING AREA  DISPOSAL AREA  Sta 400+00 to 460+00  Cell 8 & 9  Sta 400+00 to 460+00  Cell 8 & 9  Sta 400+00 to 460+00  Cell 8 & 9  Sta 400+00 to 460+00  Cell 8 & 9	CONTRACT TITLE	NAME AND TYPE   Columbia   LOADS	CONTRACT TITLE	CONTRACT TITLE

## **GENERAL COMMENTS**

1421 Minutes @ 100%

19 Minutes @ 0% Minor repairs Lost Prime

CONTRACTOR CERTIFICATION	material used and w	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	DAT	Ē	SUPERINTENDENT'S INITIALS	DATE							

			QUA	LITY	CONTR	OL REPO	ORT-HOPPER DRED	GE		PA	GE NO.	ļ	Page 17 of 279
CONTRACT NO		CONTRACT TI					CONTRACTOR			RE	PORT NO.		
W91278-14-D		Maintenance I	Oredging o	f Mobi	ile Harbo	r	Dutra Dredging Comp	oany			<del></del>		20
CHARACTER C REPORT	)F	X MAINTEN	NANCE		] NEW \	WORK					ATE 06/29/2014		
DRED	OGE	HOPF	PER CAP:			4487 CY	AVG VOL OF BIN WAT	ΓER:	4487 CY	AVG L	JNFILLED CAP	:	0 CY
Colu	mbia	NO. OF CF MEMBEF			DREDG	iΕ	OTHER PLANT	WORK SC	HEDULE	SHIFT	S PER DAY	DA'	YS PER WEEK
LOCATIO	ON OF	LOCATION CH	JANNEI	REAC	15 H DREDO	GED; STA	2 TO STA	DISPOSAL A	REA USE	QTY DI	2 EPOSITED	CUMU	7 ILATIVE AND QTY
LOCATION WOR		Mobile Ship Cha			0+00 to 4	*	1001A	Cell 8 & 9		GROSS	S(CY) 10,540	DEPO	OSIT FOR DA(CY) 60,605
		AVG LENGTH		31a 40	0+00 10 4	6000 FT	AVG WIDTH OF CUT	och o a s	400 FT	AVG D	DIST TO DUMP		36 NM
		DENSITY OF M	ATERIALS						1470	GMS/LI	TER		1470
CHARAC MATEI		DENSITY OF W	'ATER						1012	GMS/LI			80 °F
		MIN		TIME		00:00	MAX 0.00	TIME			LOCATION DO	og Piv	
RIVER/ STAC													
		MIN WEATHER	0.00	TIME		00:00	MAX 0.00	TIME	00:00	WIND	DATUM M	LLW	
WEATHER C	ONDITION	Weather Caus	sed No Dela	ay			77 °F / 90 °F	10 MI		21 MPI	Н		
		DRAFT						DISTRIBUT	ION OF TIM	IE AND	MILES RUN		
	LIGHT		LOADED						AGITAT		DREDGE &		MILES RUN (NAUT MI)
FORWARD		6				17	EFFECTIVE WORKING	TIME:	(	•/			(
AFT		9				17	PUMPING:			00:00	0.	1:38	0.0
DRAG DEPTH	MAX 0		MIN	0			TURNING:			00:00	00	0:00	0.0
INIDIOATODO I	ACT OUEOVED	ON 00/05/00					TO DUMP:			00:00	1	1:41	0.0
INDICATORS LA	AST CHECKED (	ON 06/25/20°	14				CONNECTING:			00:00	00	0:00	0.0
	ED OF DREDGE	DURING	FT	Γ/MIN		0	DUMPING:			00:00	00	0:12	0.0
	ED OF DREDGE	DURING	FT	Γ/ΜΙΝ		0	DISCONNECTING:			00:00	00	0:00	0.0
AGITATING GALLONS OF F	UEL OIL CONSU	JMED		GAL		2,524	то сит:			00:00	10	0:29	0.0
GALLONS OF V	VATER CONSUM	ИED		GAL			TOTALS:			00:00	24	4:00	0.0
						561	NON-EFFECTIVE WOR	RKING TIME:			T		
		WORK PERFORM	MED	1			TAKING ON FUEL AND TO AND FROM WHAR			00:00		0:00	0.0
NO.OF LOADS		AND HAULING	AL AREA			L CYS	ANCHORAGE:  LOSS DUE TO NATUR.			00:00	00	0:00	0.0
4	10,540		8 & 9			0	ELEMENTS: LOSS DUE TO TRAFFI			00:00		0:00	0.0
							BRIDGES			00:00		0:00	0.0
							MINOR OPERATING R TRANSFERRING BET\			00:00		0:00	0.0
							WORKS			00:00		0:00	0.0
		ATTENDANT PL	ANT				LAY TIME:			00:00		0:00	0.0
IT	EM	NAME OF	RNUMBER	1	H.P.	HOURS	FIRE AND BOAT DRILL	LS:		00:00		0:00	0.0
40' Cre	ewboat	Cape	Anne		400	12:00	MISCELLANEOUS			00:00		0:00	0.0
							TOTALS  LOST TIME:			00:00	00	0:00	0.0
							MAJOR REPAIRS AND			00:00		0:00	0.0
							ALTERNATIONS CESSATION:			00:00		0:00	0.0
							COLLISIONS:			00:00		0:00	0.0
							TOTALS:			00:00		0:00	0.0
							TOTAL TIME/MILES:			00:00		4:00	0.0
		L				<u> </u>	l						

		QUALITY CONTROL	REPORT-HOPPER	DREDGE		PAGE NO.	Page 18 of 279	
CONTRACT NO	).	CONTRACT TITLE	CONTRACTO	OR		REPORT NO.		
W91278-14-D	-0041 0001	Maintenance Dredging of Mobile Harbor	Dutra Dredgi	ng Company			20	
DREDGE		NAME AND TYPE Columbia				<b>DATE</b> 06/29/201	14	
			LOADS					
LOAD NUMBER		DREDGING AREA DISPOSAL AREA	START TIME STOP TIME	PUMPING TURNING	DUN	DUMP MPING CUT	TOTAL TIME DREDGED AMOUNT AGITATED AMOUNT	
			(HH:MM)	(MIN)		ΛIN)	(MIN/CYS)	
1	Sta 400+00 to	460+00	00:00	25		225	298	
	Cell 8 & 9		00:25	0		4	2,635	
						44	0	
2	Sta 400+00 to	460+00	04:58	22		238	447	
_	Cell 8 & 9		05:20	0		4	2,635	
	0011000					183	0	
3	Sta 400+00 to	460+00	12:25	27		201	430	
	Cell 8 & 9		12:52	0		4	2,635	
						198	0	
4	Sta 400+00 to	460+00	19:35	24		37	265	
	Cell 8 & 9		19:59	0		0	2,635	
						204	0	

**GENERAL COMMENTS** 

CONTRACTOR CERTIFICATION	material used a	n behalf of the contractor, I certify that this Report is complete and correct and all equipment and aterial used and work performed during this Reporting period are in compliance with the contract ans and specifications, to the best of my knowledge, except as noted above.									
QC REPRESENTATIVE'S SIGNATURE		DATE	SUPERINTENDENT'S INITIALS	DATE							

			QUA	LITY	CONTR	OL REPO	ORT-HOPPER DR	EDG	BE .		PA	AGE NO.		Page 19 of 279
CONTRACT NO		CONTRACT TI	TLE				CONTRACTOR				RE	EPORT NO.		
W91278-14-D		Maintenance I	Oredging o	f Mobi	ile Harbo	r	Dutra Dredging C	Comp	any		4			21
CHARACTER O REPORT	F	X MAINTEN	NANCE		] NEW \	WORK						ATE 06/30/2014		
DRED	GE	HOPE	ER CAP:			4487 CY	AVG VOL OF BIN	WAT	ER:	4487 CY	AVG	UNFILLED CA	P:	0 CY
Colu	mbia	NO. OF CF MEMBER			DREDG	E	OTHER PLANT	Γ	WORK SCI	HEDULE	SHIF	TS PER DAY	DA	YS PER WEEK
		LOCATION CL	IANNEI	DEAC	15	DED, OTA	2		DISPOSAL A	REA USE	OTY D	2 EPOSITED	CUML	7 JLATIVE AND QTY
LOCATIO WOF		LOCATION CH				GED; STA			Cell 8 & 9		GROS	S(CY)		OSIT FOR DA(CY)
		Mobile Ship Cha		Sta 40	10+00 to 4	6000 FT	40+00 to 600+00 AVG WIDTH OF C	CUT	Cell 6 & 9	400 FT	AVG [	2,635 DIST TO DUMF	<u> </u>	63,240 36 NM
		DENSITY OF M									GMS/L		-	1470
CHARAC <sup>*</sup> MATER													-	
		DENSITY OF W	ATER				1012			1012	GMS/L	ITER@		80 °F
RIVER/		MIN	0.00	TIME		00:00	MAX	0.00	TIME	00:00	GAGE	LOCATION D	og Riv	⁄er
STAC	jE	MIN	0.00	TIME		00:00	MAX	0.00	TIME	00:00	GAGE	DATUM M	ILLW	
WEATHER C	ONDITION	WEATHER	and No Date				TEMP		VISIBILITY		WIND			
		Weather Caus	sea No Dei	ay			77 °F / 91 °F		10 MI	ION OF TIM	12 MPH   OF TIME AND MILES RUN			
		DIGIT							DIOTRIBOT	AGITAT		DREDGE	&	MILES RUN
	LIGHT		LOADED				EFFECTIVE WORL	KINIC	TIME.	(MIN)		HAUL (MII		(NAUT MI)
FORWARD		6				17	EFFECTIVE WORK	KING	I IIVIE:		00:00		00:27	0.0
AFT		9				17	PUMPING: TURNING:				00:00		0:00	0.0
DRAG DEPTH	MAX 0		MIN	0			TO DUMP:				00:00		08:40	0.0
INDICATORS LA	AST CHECKED (	ON 06/25/20	14				CONNECTING:				00:00		00:00	0.0
							DUMPING:				00:00		00:08	0.0
AVERAGE SPEI LOADING	ED OF DREDGE	DURING	FT	T/MIN		0	DISCONNECTING				00:00		00:00	0.0
AVERAGE SPEI AGITATING	ED OF DREDGE	DURING	FT	T/MIN		0	TO CUT:				00:00		3:09	0.0
GALLONS OF F	UEL OIL CONSI	JMED		GAL		3,602	TOTALS:				00:00		2:24	0.0
GALLONS OF V	VATER CONSUM	ИED		GAL		749	NON-EFFECTIVE	WOR	KING TIME:					
	,	WORK PERFORI	MED				TAKING ON FUEL	AND	SUPPLIES		00:00		00:00	0.0
	DREDGING A	AND HAULING			AGIT	ATING	TO AND FROM WE ANCHORAGE:	HARF	OR		00:00	C	00:00	0.0
NO.OF LOADS	TOTAL CYS 2,635		AL AREA 8 & 9			L CYS	LOSS DUE TO NATELEMENTS:	TURA	AL		00:00	C	00:00	0.0
- C	2,000	CCII	343			<u> </u>	LOSS DUE TO TRA	AFFI	C AND		00:00	C	00:00	0.0
							MINOR OPERATIN	NG RI	EPAIRS		00:00	C	00:00	0.0
							TRANSFERRING E WORKS	BETV	VEEN		00:00	C	00:00	0.0
		<u> </u> ATTENDANT PL	ΔΝΤ				LAY TIME:				00:00	C	00:00	0.0
IT	EM	1	R NUMBER		H.P.	HOURS	FIRE AND BOAT D	RILL	.S:		00:00	C	00:00	0.0
				•			MISCELLANEOUS	3			00:00	1	1:36	0.0
40' Cre	ewboat	Саре	Anne		400	12:00	TOTALS				00:00	1	1:36	0.0
							LOST TIME:							
							MAJOR REPAIRS ALTERNATIONS	AND			00:00	C	00:00	0.0
							CESSATION:				00:00	C	00:00	0.0
							COLLISIONS:				00:00	0	00:00	0.0
							TOTALS:				00:00	C	00:00	0.0
							TOTAL TIME/MILE	S:			00:00	2	24:00	0.0

		QUALITY CONTRO	L REPORT-HOPPER	DREDGE		PAGE NO.	Page 20 of 279	
CONTRACT NO	).	CONTRACT TITLE	CONTRACT	OR	REPORT NO.			
W91278-14-D	-0041 0001	Maintenance Dredging of Mobile Harbor	Dutra Dredgi	ng Company			21	
DREDGE		NAME AND TYPE Columbia				<b>DATE</b> 06/30/2014		
		•	LOADS					
LOAD NUMBER		DREDGING AREA DISPOSAL AREA	START TIME STOP TIME	PUMPING TURNING	DUI	DUMP MPING CUT	TOTAL TIME DREDGED AMOUNT AGITATED AMOUNT	
			(HH:MM)	(MIN)		ЛIN)	(MIN/CYS)	
1	Sta 400+00 to	460+00	00:00	1		184	189	
	Cell 8 & 9		00:01	0		4	0	
						0	0	
2	Sta 400+00 to	460+00	03:09	25		224	442	
	Cell 8 & 9		03:34	0		4	2,635	
						189	0	
3	Sta 540+00 to	600+00	22:07	1		112	113	
1	Cell 8 & 9		22:08	0		0	0	
						0	0	

## **GENERAL COMMENTS**

744 Minutes @ 100%

696 Minutes @ 0% Make-up time on Old Contract

CONTRACTOR CERTIFICATION	material used a	n behalf of the contractor, I certify that this Report is complete and correct and all equipment and laterial used and work performed during this Reporting period are in compliance with the contract lans and specifications, to the best of my knowledge, except as noted above.									
QC REPRESENTATIVE'S SIGNATURE		DATE	SUPERINTENDENT'S INITIALS	DATE							

			QUA	LITY	CONTR	OL REPO	ORT-HOPPER DRED	GE		PA	GE NO.	F	Page 21 of 279
CONTRACT NO		CONTRACT TI					CONTRACTOR			RE	PORT NO.		
W91278-14-D		Maintenance I	Predging o	doM to			Dutra Dredging Comp	pany		DA			22
REPORT	,r	X   MAINTEN	NANCE		NEW \	WORK					07/01/2014		
DRED	OGE	HOPE	ER CAP:			4487 CY	AVG VOL OF BIN WA	ΓER:	4487 CY	AVG L	JNFILLED CAP:		0 CY
Colu	mbia	NO. OF CF MEMBER			DREDG	iΕ	OTHER PLANT	WORK SC	HEDULE	SHIFT	S PER DAY	DAY	YS PER WEEK
					15		2	DISPOSAL A	DEVIISE	2 QTY DEPOSITED CUMULATIVE			7
LOCATION WOR		LOCATION CH				GED; STA	TO STA		INLA OOL	GROSS(CY) DEPOSIT FOR			SIT FOR DA(CY)
		Mobile Ship Cha		Sta 54	10+00 to 6	6000 FT	AVG WIDTH OF CUT	Cell 8 & 9	400 FT	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,			71,145 33 NM
CHARAC MATE		DENSITY OF M	ATERIALS						1470	GMS/LI	TER		1470
MAIL	MAL	DENSITY OF W	ATER					1012			TER@		87 °F
RIVER		MIN	0.00	TIME		00:00	MAX 0.00	TIME	00:00	GAGE I	LOCATION Do	g Rive	ər
STA	GE	MIN	0.00	TIME		00:00	MAX 0.00	TIME	00:00	GAGE I	DATUM ML	LW	
WEATHER C	ONDITION	WEATHER					TEMP	VISIBILITY		WIND	-		
		Weather Caus	sed No Dela	ay			78 °F / 93 °F	10 MI		17 MPI			
		DRAFT						DISTRIBUT			MILES RUN		
	LIGHT		LOADED						AGITAT (MIN		DREDGE & HAUL (MIN)		MILES RUN (NAUT MI)
FORWARD		6				17	EFFECTIVE WORKING	S TIME:					
AFT		9				17	PUMPING:			00:00	01	:18	0.0
DRAG DEPTH	MAX 0		MIN	0			TURNING:			00:00	00	0:09	0.0
INDICATORS I	AST CHECKED (	ON 06/25/20	1.4				TO DUMP:			00:00	10	):14	0.0
INDICATORS	AOT CHECKED	JN 00/23/20	14				CONNECTING:			00:00	00	00:00	0.0
	ED OF DREDGE	DURING	F7	Γ/ΜΙΝ		0	DUMPING:			00:00	00	):16	0.0
	ED OF DREDGE	DURING	F	Γ/ΜΙΝ		0	DISCONNECTING:			00:00	00	0:00	0.0
AGITATING GALLONS OF F	UEL OIL CONSI	JMED		GAL		2 489	TO CUT:			00:00		):51	0.0
GALLONS OF V	VATER CONSUM	ИED		GAL		7,935	TOTALS:			00:00	22	2:48	0.0
		WORK BEREAR	AED			7,955	NON-EFFECTIVE WOR		П		<del></del>		
		WORK PERFORI	MED				TAKING ON FUEL AND TO AND FROM WHAR			00:00		0:00	0.0
NO.OF LOADS		AND HAULING	AL AREA			L CYS	ANCHORAGE: LOSS DUE TO NATUR			00:00	00	0:00	0.0
5	7,905		8 & 9			0	ELEMENTS: LOSS DUE TO TRAFFI			00:00		0:00	0.0
							BRIDGES			00:00		0:00	0.0
							MINOR OPERATING R TRANSFERRING BETV			00:00		:12	0.0
							WORKS	/VLLIN		00:00		0:00	0.0
		ATTENDANT PL	ANT				LAY TIME:			00:00		0:00	0.0
IT	EM	NAME OF	NUMBER	ł	H.P.	HOURS	FIRE AND BOAT DRIL	LS:		00:00		0:00	0.0
40' Cre	ewboat	Cape	Anne		400	12:00	MISCELLANEOUS			00:00		0:00	0.0
							TOTALS			00:00	01	:12	0.0
							LOST TIME: MAJOR REPAIRS AND		ı				
							ALTERNATIONS			00:00		0:00	0.0
							CESSATION:			00:00		0:00	0.0
							COLLISIONS:			00:00		0:00	0.0
							TOTALS:			00:00		0:00	0.0
							TOTAL TIME/MILES:			00:00	24	1:00	0.0

		QUALITY CONTROL	L REPORT-HOPPER	DREDGE		PAGE NO.	
		Q0/(2111 00)(1110)					Page 22 of 279
CONTRACT NO	Ο.	CONTRACT TITLE	CONTRACT	OR		REPORT NO	).
W91278-14-D	D-0041 0001	Maintenance Dredging of Mobile Harbor	Dutra Dredgi	ing Company			22
DREDGE		NAME AND TYPE				<b>DATE</b> 07/01/2014	1
		Columbia				07/01/2012	+
			LOADS				
LOAD NUMBER		DREDGING AREA DISPOSAL AREA	START TIME STOP TIME	PUMPING TURNING	DUN	DUMP MPING CUT	TOTAL TIME DREDGED AMOUNT AGITATED AMOUNT
			(HH:MM)	(MIN)		/IN)	(MIN/CYS)
1	Sta 540+00 to	600+00	00:00	1		19	24
	Cell 8 & 9		00:01	0		4	0
						0	0
2	Sta 540+00 to	600+00	00:24	25		196	405
	Cell 8 & 9		00:58	9		4	2,635
						171	0
3	Sta 540+00 to	600+00	07:46	24	2	204	418
	Cell 8 & 9		08:10	0		4	2,635
						186	0
4	Sta 540+00 to	600+00	15:19	27	<u> </u>	195	405
	Cell 8 & 9		15:46	0		4	2,635
						179	0
5	Sta 540+00 to	600+00	22:04	1		0	116
	Cell 8 & 9		22:05	0		0	0
						115	0

PAGE NO.

## QC NARRATIVE(S)

## **GENERAL COMMENTS**

1368 Minutes @ 100% 72 Minutes @ 0% Stbd ME - Bilge piping

CONTRACTOR CERTIFICATION	material used a	n behalf of the contractor, I certify that this Report is complete and correct and all equipment and aterial used and work performed during this Reporting period are in compliance with the contract ans and specifications, to the best of my knowledge, except as noted above.									
QC REPRESENTATIVE'S SIGNATURE		DATE	SUPERINTENDENT'S INITIALS	DATE							

			QUA	LITY	CONTR	OL REPO	RT-HOPPER DRED	ЭE		PA	GE NO.	ŀ	Page 23 of 279
CONTRACT NO		CONTRACT TI					CONTRACTOR			RE	PORT NO.		
W91278-14-D		Maintenance I	Oredging o	of Mob	ile Harbo	r	Dutra Dredging Comp	oany				—	23
REPORT	)F	X MAINTEN	NANCE		NEW \	WORK					TE 07/02/2014		
DRED	OGE	HOPF	ER CAP:			4487 CY	AVG VOL OF BIN WA	ΓER:	4487 CY	AVG L	JNFILLED CAP	:	0 CY
Colu	mbia	NO. OF CF MEMBEF			DREDG	iΕ	OTHER PLANT	WORK SCI	HEDULE	SHIFT	S PER DAY	DA'	YS PER WEEK
					15		2	DISPOSAL A	DEA LIGE	2 QTY DEPOSITED CUMULATI			7 ILATIVE AND QTY
LOCATION WOR		LOCATION CH				GED; STA	TO STA		NEA OOL	GROSS(CY) DEPOSIT FOR D			OSIT FOR DA(CY)
		Mobile Ship Cha		Sta 54	10+00 to 6	600+00 6000 FT	AVG WIDTH OF CUT	Cell 8 & 9	400 FT				81,685 33 NM
						000011	AVG WIDTH OF COT						
CHARAC MATE		DENSITY OF M	ATERIALS						1470	GMS/LI	TER		1470
,	····	DENSITY OF W	ATER	1012			1012	GMS/LI	TER@		87 °F		
RIVER		MIN	0.00	TIME		00:00	MAX 0.00	TIME	00:00	GAGE I	LOCATION Do	g Riv	er
STA	GE	MIN	0.00	TIME		00:00	MAX 0.00	TIME	00:00	GAGE I	DATUM MI	LLW	
WEATHER C	ONDITION	WEATHER					TEMP	VISIBILITY		WIND			
		Weather Caus	sed No Del	ay			77 °F / 93 °F	10 MI		23 MPI			
	Г	DRAFT						DISTRIBUT	AGITAT		MILES RUN		MILEO DUN
	LIGHT		LOADED						(MIN		DREDGE 8 HAUL (MIN		MILES RUN (NAUT MI)
FORWARD		6				17	EFFECTIVE WORKING	S TIME:	ı		Π	<del></del>	
AFT		9				17	PUMPING:			00:00		1:48	0.0
DRAG DEPTH	MAX 0		MIN	0			TURNING:			00:00		0:00	0.0
INDICATORS LA	AST CHECKED (	ON 06/25/20 <sup>-</sup>	14				TO DUMP:			00:00		1:53	0.0
							CONNECTING:			00:00		0:00	0.0
AVERAGE SPE LOADING	ED OF DREDGE	DURING	F	T/MIN		0	DUMPING:			00:00		0:12	0.0
	ED OF DREDGE	DURING	F	T/MIN		0	DISCONNECTING:			00:00		0:00	0.0
	UEL OIL CONSU	JMED		GAL		1,835	TO CUT: TOTALS:			00:00		0:07	0.0
GALLONS OF V	VATER CONSUM	ИED		GAL		1,496				00:00	22	4:00	0.0
	,	WORK PERFORI	MED.			,	NON-EFFECTIVE WOR			00.00		T	
		AND HAULING			AGIT	ATING	TAKING ON FUEL AND TO AND FROM WHAR			00:00		0:00	0.0
NO.OF LOADS			AL AREA			L CYS	ANCHORAGE: LOSS DUE TO NATUR			00:00		0:00	0.0
4	10,540	Cell	8 & 9			0	ELEMENTS: LOSS DUE TO TRAFFI	C AND		00:00		0:00	0.0
							BRIDGES MINOR OPERATING R	FPΔIRS		00:00		0:00	0.0
							TRANSFERRING BET			00:00		0:00	0.0
							WORKS LAY TIME:			00:00		0:00	0.0
		ATTENDANT PL	ANT	-		1	FIRE AND BOAT DRIL	S.		00:00		0:00	0.0
IT	EM	NAME OF	R NUMBER	₹	H.P.	HOURS	MISCELLANEOUS			00:00		0:00	0.0
40' Cre	ewboat	Cape	Anne		400	12:00	TOTALS			00:00		0:00	0.0
							LOST TIME:						
							MAJOR REPAIRS AND			00:00	00	0:00	0.0
							ALTERNATIONS CESSATION:			00:00		0:00	0.0
							COLLISIONS:			00:00		0:00	0.0
							TOTALS:			00:00		0:00	0.0
							TOTAL TIME/MILES:			00:00		4:00	0.0
		<u> </u>							<u> </u>				

		QUALITY CONTROL	. REPORT-HOPPER	DREDGE		PAGE NO.	Page 24 of 279
CONTRACT NO W91278-14-D		CONTRACT TITLE  Maintenance Dredging of Mobile Harbor	CONTRACTO Dutra Dredgi			REPORT N	IO. 23
DREDGE		NAME AND TYPE Columbia				<b>DATE</b> 07/02/20	14
			LOADS				
LOAD NUMBER		DREDGING AREA DISPOSAL AREA	START TIME STOP TIME	PUMPING TURNING	DUI	DUMP MPING CUT	TOTAL TIME DREDGED AMOUNT AGITATED AMOUNT
			(HH:MM)	(MIN)		ΛIN)	(MIN/CYS)
1	Sta 540+00 to	600+00	00:00	24		203	296
	Cell 8 & 9		00:24	0		4	2,635
						65	0
2	Sta 540+00 to	600+00	04:56	28		208	417
	Cell 8 & 9		05:24	0		4	2,635
						177	0
3	Sta 540+00 to	600+00	11:53	31		201	414
	Cell 8 & 9		12:24	0		4	2,635
	00040					178	0
4	Sta 540+00 to	600+00	18:47	25		101	313
·	Cell 8 & 9		19:12	0		0	2,635
	33.13 4 3					187	0

**GENERAL COMMENTS** 

CONTRACTOR CERTIFICATION	material used a	and work performed during	is Report is complete and correct a this Reporting period are in complia knowledge, except as noted above	ance with the contract	
QC REPRESENTATIVE'S SIGNATURE		DATE	SUPERINTENDENT'S INITIALS DATE		

		-	QUA	ALITY	CONTR	OL REPO	ORT-HOPPER DREDO	GE .		PA	AGE NO.		Page 25 of 279
CONTRACT NO		CONTRACT TI					CONTRACTOR			RE	PORT NO.		
W91278-14-D-		Maintenance [	Oredging o	of Mobi			Dutra Dredging Comp	any			ATE		24
REPORT	Г	X MAINTEN	IANCE		NEW V	WORK					07/03/2014		
DRED	GE	HOPP	ER CAP:			4487 CY	AVG VOL OF BIN WATER: 4487 CY		4487 CY	AVG l	JNFILLED CAP	):	0 CY
Colu	mbia	NO. OF CR MEMBER			DREDG	iΕ	OTHER PLANT	WORK SCI	HEDULE	SHIFT	rs per day	DA	YS PER WEEK
1.004716	N 05	LOCATION CH	IANNEI	DEAC	15 H DBEDG	SED; STA	2	DISPOSAL A	REA USE	QTY D	2 EPOSITED	CUMI	7 JLATIVE AND QTY
LOCATIO WOR		Mobile Ship Cha			0+00 to 6		10314	Cell 8 & 9		GROS	S(CY) 7,905		OSIT FOR DA(CY) 89,590
		AVG LENGTH		Sia J4	0+00 10 0	6000 FT	AVG WIDTH OF CUT	CCII O Q 3	400 FT	AVG [	DIST TO DUMP	,	33 NM
		DENSITY OF M	ATERIALS	<u> </u>					1470	GMS/L	ITER		1470
CHARACT MATER		DENSITY OF W	ATER						1012	GMS/L	ITER@		87 °F
		MIN	0.00	TIME		00:00	MAX 0.00	TIME	00:00	GAGE	LOCATION D	oa Ri	ver
RIVER/ STAG		MIN		TIME				TIME				LLW	
		WEATHER	0.00	TIIVIL		00.00	TEMP 0.00	VISIBILITY		WIND	DATOW W	LLVV	
WEATHER C	ONDITION	Weather Caus	sed No Del	ay			72 °F / 91 °F	°F/91 °F 10 MI 1			Н		
		DRAFT						DISTRIBUT	ION OF TIM	E AND	MILES RUN		
	LIGHT		LOADED				AGITATINO (MIN)				DREDGE (		MILES RUN (NAUT MI)
FORWARD		6				17	EFFECTIVE WORKING TIME:			TI/(OE (WIIIV)			(**************************************
AFT		9				17	PUMPING:				0	1:24	0.0
DRAG DEPTH	MAX 0		MIN	1 0			TURNING:			00:00			0.0
							TO DUMP:			00:00 12:07			0.0
INDICATORS LA	AST CHECKED C	ON 06/25/201	14				CONNECTING:			00:00	0	0:00	0.0
AVERAGE SPEE	ED OF DREDGE	DURING	F	T/MIN		0	DUMPING:			00:00	0	0:16	0.0
LOADING AVERAGE SPEE	D OF DREDGE	DURING	F	T/MIN		0	DISCONNECTING:			00:00	0	0:00	0.0
AGITATING GALLONS OF F	UEL OIL CONSL	JMED		GAL		1 222	то сит:			00:00	1	0:01	0.0
GALLONS OF W				GAL		1,086	TOTALS:			00:00	2	3:48	0.0
- CALLONG OF VI	THE RESIDENT			O/\L		935	NON-EFFECTIVE WOR	RKING TIME:					
	\	WORK PERFORM	/IED				TAKING ON FUEL AND			00:00	0	0:00	0.0
		ND HAULING				ATING	TO AND FROM WHAR! ANCHORAGE:			00:00	0	0:00	0.0
NO.OF LOADS 5	TOTAL CYS 7,905	DISPOS/ Cell 8	AL AREA 3 & 9			L CYS 0	LOSS DUE TO NATURA ELEMENTS:	AL		00:00	0	0:00	0.0
							LOSS DUE TO TRAFFI BRIDGES	C AND		00:00	0	0:12	0.0
							MINOR OPERATING R	EPAIRS		00:00	0	0:00	0.0
							TRANSFERRING BETV WORKS	VEEN		00:00	0	0:00	0.0
		L ATTENDANT PL/	ANT				LAY TIME:			00:00	0	0:00	0.0
ITI	EM	<u> </u>	R NUMBER	,	H.P.	HOURS	FIRE AND BOAT DRILL	.S:		00:00	0	0:00	0.0
40' Cre		Cape		•	400	12:00	MISCELLANEOUS			00:00	0	0:00	0.0
40 016	wboat	Саре	Allile		400	12.00	TOTALS			00:00	0	0:12	0.0
							LOST TIME:						
							MAJOR REPAIRS AND ALTERNATIONS			00:00	0	0:00	0.0
							CESSATION:			00:00	0	0:00	0.0
							COLLISIONS:			00:00	0	0:00	0.0
							TOTALS:			00:00	0	0:00	0.0
							TOTAL TIME/MILES:			00:00	2-	4:00	0.0

		QUALITY CONTRO	L REPORT-HOPPER	DREDGE		PAGE NO.	
		QUALITI CONTINO	E KEI OKT-HOLLEK	DICEDOL			Page 26 of 279
CONTRACT NO	<b>)</b> .	CONTRACT TITLE	CONTRACT	OR		REPORT NO	).
W91278-14-E	D-0041 0001	Maintenance Dredging of Mobile Harbor	Dutra Dredgi	ng Company			24
DREDGE		NAME AND TYPE Columbia				<b>DATE</b> 07/03/2014	1
			LOADS				
LOAD NUMBER		DREDGING AREA DISPOSAL AREA	START TIME STOP TIME (HH:MM)	PUMPING TURNING (MIN)	DUN TO	DUMP MPING CUT MIN)	TOTAL TIME DREDGED AMOUNT AGITATED AMOUNT (MIN/CYS)
1	Sta 540+00 to	600+00	00:00	1		103	108
	Cell 8 & 9		00:01	0		4	0
						0	0
2	Sta 540+00 to	600+00	01:48	26	;	217	444
	Cell 8 & 9		02:14	0		4	2,635
					1	197	0
3	Sta 540+00 to	600+00	09:24	32	:	208	425
	Cell 8 & 9		09:56	0		4	2,635
						181	0
4	Sta 540+00 to	600+00	16:29	24		199	417
	Cell 8 & 9		16:53	0		4	2,635
					-	190	0
5	Sta 540+00 to	600+00	23:26	1		0	34
	Cell 8 & 9		23:27	0		0	0
						33	0

PAGE NO.

## QC NARRATIVE(S)

## **GENERAL COMMENTS**

1428 Minutes @ 100% 12 Minutes @ 70% Traffic

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					

			QUA	ALITY	CONTR	OL REPO	ORT-HOPPER DREDG	SE.		PA	GE NO.		Page 27 of 279
CONTRACT NO		CONTRACT TI					CONTRACTOR			RE	PORT NO.		
W91278-14-D		Maintenance [	Predging o	of Mobi			Dutra Dredging Comp	any			ATE		24
REPORT	Г	X MAINTEN	IANCE		NEW V	WORK					07/03/2014		
DRED	GE		ER CAP:			4487 CY	AVG VOL OF BIN WAT	ER:	4487 CY	AVG l	JNFILLED CAP	):	0 CY
Glenn E	dwards	NO. OF CF MEMBEF			DREDG	iΕ	OTHER PLANT	WORK SCI	HEDULE	SHIFT	S PER DAY	DA	AYS PER WEEK
LOCATIO	ON OF	LOCATION CH	IANNFI	REAC	18 H DREDO	GED; STA	TO STA	DISPOSAL A	REA USE	QTY D	2 EPOSITED	CUMI	7 JLATIVE AND QTY
WOR		Mobile Ship Cha				44+66 Re		Cell 8 & 9		GROS	S(CY) 7,779	DEP	OSIT FOR DA(CY) 7,779
		AVG LENGTH		Ola 20	0100 10 2	1466 FT	AVG WIDTH OF CUT	CO C C. C	400 FT	AVG DIST TO DUMP			41 NM
CHARACT	TER OF	DENSITY OF M.	ATERIALS	;				1350			ITER		1350
MATER		DENSITY OF W	ATER					1012			ITER@		87 °F
RIVER/	TIDE	MIN	0.00	TIME		00:00	MAX 0.00	TIME	00:00	GAGE	LOCATION U	scg	
STAC		MIN	0.00	TIME		00:00	MAX 0.00	TIME	00:00	GAGE	DATUM M	LLW	
WEATHER C	ONDITION	WEATHER					TEMP	VISIBILITY	1	WIND	-		
WEATTLER	ONDITION	Weather Caus	ed No Del	ay			72 °F / 91 °F	10 MI		13 MP	<u>H</u>		
		DRAFT						DISTRIBUT			MILES RUN		
	LIGHT		LOADED				AGITATIN (MIN)				DREDGE & HAUL (MIN		MILES RUN (NAUT MI)
FORWARD		13				26	EFFECTIVE WORKING TIME:						
AFT		13				26	PUMPING:	G:			00	0:45	0.0
DRAG DEPTH	MAX 0		MIN	1 0			TURNING:			00:00	00	0:00	0.0
							TO DUMP:		00:00 05:07			0.0	
INDICATORS LA	AST CHECKED C	ON 07/03/201	14				CONNECTING:			00:00	0(	0:00	0.0
AVERAGE SPE	ED OF DREDGE	DURING	F	T/MIN		0	DUMPING:			00:00	00	0:05	0.0
LOADING AVERAGE SPEE	D OF DREDGE	DURING	F	T/MIN			DISCONNECTING:			00:00	00	0:00	0.0
AGITATING GALLONS OF F	UEL OIL CONSL	JMED		GAL		0	TO CUT:			00:00	0;	3:39	0.0
GALLONS OF W				GAL		3,693	TOTALS:			00:00	09	9:36	0.0
CALLONG OF V	WILK GONGON			O/IL		1,404	NON-EFFECTIVE WOR	KING TIME:			_		
	\	WORK PERFORM	MED				TAKING ON FUEL AND	SUPPLIES		00:00	00	0:00	0.0
		ND HAULING			AGIT	ATING	TO AND FROM WHARF ANCHORAGE:	OR		00:00	00	0:00	0.0
NO.OF LOADS 2	TOTAL CYS 7,779	DISPOS/ Cell 8	AL AREA 3 & 9			L CYS 0	LOSS DUE TO NATURA ELEMENTS:	AL		00:00	00	0:00	0.0
							LOSS DUE TO TRAFFI BRIDGES	C AND		00:00	00	0:00	0.0
							MINOR OPERATING R	EPAIRS		00:00	00	0:00	0.0
							TRANSFERRING BETV WORKS	VEEN		00:00	00	0:00	0.0
		l Attendant Pla	NT				LAY TIME:			00:00	00	0:00	0.0
IT		<u> </u>	NUMBER	,	H.P.	HOURS	FIRE AND BOAT DRILL	.S:		00:00	0(	0:00	0.0
				`			MISCELLANEOUS			00:00	14	4:24	0.0
Crew	Boat	Ag	gie		400	12:00	TOTALS			00:00	14	4:24	0.0
							LOST TIME:						
							MAJOR REPAIRS AND ALTERNATIONS			00:00	00	0:00	0.0
							CESSATION:			00:00	00	0:00	0.0
							COLLISIONS:			00:00	00	0:00	0.0
							TOTALS:			00:00	00	0:00	0.0
							TOTAL TIME/MILES:		_	00:00	24	4:00	0.0

		QUALITY CONTROL	L REPORT-HOPPER	DREDGE		PAGE NO.	Page 28 of 279
CONTRACT NO. W91278-14-D-0041 0001		CONTRACT TITLE  Maintenance Dredging of Mobile Harbor	REPORT NO	. 24			
DREDGE		NAME AND TYPE Glenn Edwards				<b>DATE</b> 07/03/2014	
			LOADS				
LOAD NUMBER		DREDGING AREA DISPOSAL AREA	START TIME STOP TIME (HH:MM)	PUMPING TURNING (MIN)	DUM TO	DUMP IPING CUT IIN)	TOTAL TIME DREDGED AMOUNT AGITATED AMOUNT (MIN/CYS)
1	Sta 230+00 to	244+66	14:24	22	2	242	269
	Cell 8 & 9		14:46	0		5	7,779
						0	0
2	Sta 230+00 to	244+66	18:53	23		65	307
	Cell 8 & 9		19:16	0		0	0
					2	219	0

#### **GENERAL COMMENTS**

576 Minutes @ 100% 864 Minuets @ 0%

CONTRACTOR CERTIFICATION	material used and work perfor	On behalf of the contractor, I certify that this Report is complete and correct and all equipment and naterial 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										

			QUA	ALITY	CONTR	OL REPO	RT-HOP	PER DREDG	E		PA	GE NO.		Page 29 of 279
CONTRACT NO		CONTRACT TI			9. 11. 1			RACTOR			RE	PORT NO.		
W91278-14-D CHARACTER O		Maintenance I		of Mob			Dutra L	Oredging Comp	any		DA	TE.		25
REPORT	•	X MAINTEN	NANCE		NEW V	VORK						)7/04/2014		
DRED	GE		PER CAP:			4487 CY	AVG VO	L OF BIN WAT	ER:	4487 CY	AVG L	JNFILLED CAP	:	0 CY
Glenn E	dwards	NO. OF CF MEMBER			DREDG	E	OTH	ER PLANT	WORK SCI	HEDULE	SHIFT	S PER DAY	DA	YS PER WEEK
LOCATIO	ON OF	LOCATION CH	IANNEL	REAC	18 H DREDG	SED; STA	TO STA	5	DISPOSAL A	REA USE				7 JLATIVE AND QTY
WOF		Mobile Ship Cha	annel			44+66 Re			Cell 8 & 9		GROSS	S(CY) 23,806	DEP	OSIT FOR DA(CY) 31,585
		AVG LENGTH				1466 FT		DTH OF CUT		400 FT	AVG D	DIST TO DUMP		41 NM
CHARAC	TER OF	DENSITY OF M	ATERIALS	1						1350	GMS/LI	TER		1350
MATER		DENSITY OF W	ATER							1012	GMS/LI	TER@		87 °F
RIVER/	TIDE	MIN	0.00	TIME		00:00	MAX	0.00	TIME	00:00	GAGE	LOCATION US	SCG	
STAC		MIN	0.00	TIME		00:00	MAX	0.00	TIME	00:00	GAGE	DATUM M	LLW	
WEATHER C	ONDITION	WEATHER					TEMP		VISIBILITY		WIND	<u> </u>		
		Weather Caus	sed No Del	ay			70 °	°F / 90 °F	10 MI		20 MP			
		DRAFT							DISTRIBUT			MILES RUN  DREDGE 8	. I	MILES RUN
	LIGHT		LOADED							AGITAT (MIN		HAUL (MIN		(NAUT MI)
FORWARD		13				26	EFFECTIVE WORKING TIME:			00:00 00:52				
AFT		13				26	PUMPIN				00:00			0.0
DRAG DEPTH	MAX 0		MIN 0				00:00		0:06	0.0				
INDICATORS LA	AST CHECKED (	ON 07/03/20	14				TO DUM			00:00			1:50	0.0
							DUMPIN	-			00:00		0:00	0.0
AVERAGE SPEE	ED OF DREDGE	DURING	F	T/MIN		0		NECTING:			00:00		0:00	0.0
AVERAGE SPEE AGITATING	ED OF DREDGE	DURING	F	T/MIN		0	TO CUT:				00:00		1:00	0.0
GALLONS OF F	UEL OIL CONSU	JMED		GAL		5,782	TOTALS				00:00		4:00	0.0
GALLONS OF V	VATER CONSUM	MED		GAL		1,092	-	FECTIVE WOR	KING TIME:			_		
	,	WORK PERFORI	MED				TAKING	ON FUEL AND	SUPPLIES		00:00	00	0:00	0.0
	DREDGING A	ND HAULING			AGIT	ATING	TO AND ANCHOR	FROM WHARF	OR		00:00	00	0:00	0.0
NO.OF LOADS 4	TOTAL CYS 23,806	DISPOS. Cell	AL AREA			L CYS		JE TO NATURA	AL		00:00	00	0:00	0.0
	20,000							JE TO TRAFFIC	CAND		00:00	00	0:00	0.0
								OPERATING RE	EPAIRS		00:00	00	0:00	0.0
							TRANSF WORKS	ERRING BETW	/EEN		00:00	00	0:00	0.0
		L ATTENDANT PL	ANT				LAY TIMI	E:			00:00	00	0:00	0.0
IT	EM	1	R NUMBER	,	H.P.	HOURS	FIRE AN	D BOAT DRILL	S:		00:00	00	0:00	0.0
Crew			gie	`	400	12:00	MISCELL	ANEOUS			00:00	00	0:00	0.0
Ciew	Doat	Ay	gie		400	12.00	TOTALS				00:00	00	0:00	0.0
							LOST TI							
							MAJOR F ALTERN	REPAIRS AND ATIONS			00:00	00	0:00	0.0
							CESSAT	ION:			00:00	00	0:00	0.0
							COLLISI	ONS:			00:00	00	0:00	0.0
							TOTALS	:			00:00	00	0:00	0.0
							TOTAL T	IME/MILES:			00:00	24	4:00	0.0

		QUALITY CONTROL	REPORT-HOPPER	DREDGE		PAGE NO.	Page 30 of 279	
CONTRACT NO	. co	ONTRACT TITLE	REPORT NO	).				
W91278-14-D	-0041 0001 M	aintenance Dredging of Mobile Harbor	Dutra Dredgi	ng Company				
DREDGE		ME AND TYPE enn Edwards			<b>DATE</b> 07/04/2014	4		
			LOADS			-		
LOAD NUMBER		DREDGING AREA DISPOSAL AREA	START TIME STOP TIME	PUMPING TURNING	DUN	DUMP MPING CUT	TOTAL TIME DREDGED AMOUNT AGITATED AMOUNT	
			(HH:MM)	(MIN)	,	ΛIN)	(MIN/CYS)	
1	Sta 230+00 to 244+	+66	00:00	1		202	208	
	Cell 8 & 9		00:01	0		5	7,906	
						0	0	
2	Sta 230+00 to 244+	+66	03:28	26		275	540	
	Cell 8 & 9		04:00	6		3	7,959	
						230	0	
3	Sta 230+00 to 244+	+66	12:28	24		233	494	
	Cell 8 & 9		12:52	0		4	7,941	
	00.10 0.0					233	0	
4	Sta 230+00 to 244+	+66	20:42	1		0	198	
	Cell 8 & 9		20:43	0		0	0	
						197	0	

**GENERAL COMMENTS** 

CONTRACTOR CERTIFICATION	material used a	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							

			QUA	ALITY	CONTR	OL REPO	ORT-HOI	PPER DREDG	SE .		PA	AGE NO.		Page 31 of 279
CONTRACT NO		CONTRACT TI		- 6 M - L-	: : :	_		RACTOR			RE	PORT NO.		
W91278-14-D CHARACTER O		Maintenance I		dolwi to			Dutra	Dredging Comp	any		DA	ATE	—	25
REPORT		X  MAINTEN	NANCE		NEW V	VORK	I					07/04/2014		
DRED	GE		ER CAP:			4487 CY	AVG V	OL OF BIN WAT	ER:	4487 CY	AVG l	JNFILLED CAP	':	0 CY
Colu	mbia	NO. OF CF MEMBEF			DREDG	E	ОТН	IER PLANT	WORK SCI	HEDULE	SHIFT	rs per day	DA	AYS PER WEEK
LOCATIO	ON OF	LOCATION CH	IANNEL	REAC	15 H DREDG	SED; STA	TO STA	2	DISPOSAL A	REA USE				7 JLATIVE AND QTY
WOF		Mobile Ship Cha	nnel	Sta 54	0+00 to 6	00+00			Cell 8 & 9		GROSS(CY) 10,54		DEP	OSIT FOR DA(CY) 100,130
		AVG LENGTH	OF CUT			6000 FT	AVG W	IDTH OF CUT		400 FT	AVG E	DIST TO DUMP		33 NM
CHARAC	TER OF	DENSITY OF M	ATERIALS	3						1470	GMS/L	ITER		1470
MATER		DENSITY OF W	ATER							1012	GMS/L	ITER@		87 °F
RIVER/	TIDE	MIN	0.00	TIME		00:00	MAX	0.00	TIME	00:00	GAGE	LOCATION DO	og Riv	ver
STAC		MIN	0.00	TIME		00:00	MAX	0.00	TIME	00:00	GAGE	DATUM MI	LLW	
WEATHER C	ONDITION	WEATHER					TEMP		VISIBILITY		WIND	-		
		Weather Caus	sed No Del	lay			70 °F / 90 °F   10 MI   2  DISTRIBUTION OF TIME				20 MP			
		DIVALI							DISTRIBUT	AGITA		DREDGE 8	&	MILES RUN
EODWARD.	LIGHT		LOADED			17	FFFFCT	TIVE WORKING	TIME	IIM)		HAUL (MIN	I)	(NAUT MI)
FORWARD		9				17	PUMPIN					00:00		0.0
AFT		TURNING:				00:00	0(	0:00	0.0					
DRAG DEPTH	MAX 0		MIN	1 0			TO DUM	 1Р:			00:00	1(	0:22	0.0
INDICATORS LA	AST CHECKED (	ON 06/25/20	14				CONNE	CTING:		00:0		0(	0:00	0.0
AVERAGE SPE	ED OF DREDGE	DURING	F.	T/MIN			DUMPIN	NG:			00:00	00	0:12	0.0
LOADING AVERAGE SPEE				T/MIN		0	DISCON	INECTING:			00:00	00	0:00	0.0
AGITATING	UEL OIL CONSU			GAL		0	то сит	:			00:00	1′	1:33	0.0
	ATER CONSU			GAL		5,328	TOTALS	S:			00:00	24	4:00	0.0
GALLONS OF V	VATER CONSOR			GAL		748	NON-EF	FECTIVE WOR	KING TIME:	_				
		WORK PERFORI	MED	ı				ON FUEL AND			00:00	00	0:00	0.0
NO OF LOADS		ND HAULING				ATING	ANCHO				00:00	00	0:00	0.0
NO.OF LOADS 4	TOTAL CYS 10,540		AL AREA 8 & 9			L CYS 0	ELEMEN				00:00	00	0:00	0.0
							BRIDGE	UE TO TRAFFICES	C AND		00:00	00	0:00	0.0
								OPERATING RI			00:00	00	0:00	0.0
							TRANSF WORKS	FERRING BETW	VEEN		00:00	00	0:00	0.0
		ATTENDANT PL	ANT				LAY TIM	1E:			00:00	00	0:00	0.0
IT	EM	NAME OF	R NUMBER	₹	H.P.	HOURS	FIRE AN	ND BOAT DRILL	.S:		00:00	00	0:00	0.0
40' Cre	wboat	Cape	Anne		400	12:00	MISCEL	LANEOUS			00:00	00	0:00	0.0
							TOTALS	3			00:00	00	0:00	0.0
							LOST TI			1				
								REPAIRS AND IATIONS			00:00	00	0:00	0.0
							CESSAT	ΓΙΟΝ:			00:00	00	0:00	0.0
							COLLIS	IONS:			00:00	00	0:00	0.0
							TOTALS				00:00		0:00	0.0
							TOTAL	TIME/MILES:			00:00	24	4:00	0.0

		QUALITY CONTROL	REPORT-HOPPER	DREDGE		PAGE NO.	Page 32 of 279
CONTRACT NO W91278-14-D		CONTRACT TITLE  Maintenance Dredging of Mobile Harbor	REPORT N	IO. 25			
DREDGE		NAME AND TYPE Columbia				<b>DATE</b> 07/04/20	14
			LOADS				
LOAD NUMBER		DREDGING AREA DISPOSAL AREA	START TIME STOP TIME	PUMPING TURNING	DUI	DUMP MPING CUT	TOTAL TIME DREDGED AMOUNT AGITATED AMOUNT
			(HH:MM)	(MIN)		MIN)	(MIN/CYS)
1	Sta 540+00 to	600+00	00:00	29		211	393
	Cell 8 & 9		00:29	0		4	2,635
						149	0
2	Sta 540+00 to	600+00	06:33	26		203	411
_	Cell 8 & 9		06:59	0		4	2,635
						178	0
3	Sta 540+00 to	600+00	13:24	30		204	419
ŭ	Cell 8 & 9		13:54	0		4	2,635
	Och o a s					181	0
4	Sta 540+00 to	600+00	20:23	28		4	217
•	Cell 8 & 9		20:51	0		0	2,635
	2011 0 00 0					185	0

**GENERAL COMMENTS** 

CONTRACTOR CERTIFICATION	material used a	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							

			QUA	ALITY	CONTR	OL REPO	ORT-HOPPER DREDG	SE .		PA	AGE NO.		Page 33 of 279
CONTRACT NO. CONTRACT TITLE					CONTRACTOR REPORT NO.								
W91278-14-D-0041 0001 Maintenance Dredging of Mobile CHARACTER OF					ile Harbo	r	Dutra Dredging Comp	any					26
REPORT MAINTENAN			NANCE		NEW V	WORK					<b>ATE</b> 07/05/2014		
DRED	GE	HOPF	PER CAP:			4487 CY	AVG VOL OF BIN WAT	ER:	4487 CY	AVG	UNFILLED CAP	':	0 CY
Glenn E	dwards	NO. OF CF MEMBER			DREDGE		OTHER PLANT	WORK SCI	HEDULE	SHIF	TS PER DAY	DAYS PER WEEK	
LOCATIO		I OCATION CE	IANNEI	REAC	18 ACH DREDGED; STA 1		5 TO STA	DISPOSAL A	REA USE	QTY D	2 EPOSITED	CUMI	7 JLATIVE AND QTY
LOCATIO WOF						44+66 Re		G Cell 8 & 9			S(CY) 24,297		OSIT FOR DA(CY) 55,882
		AVG LENGTH		Ola 20	10+00 10 2	1466 FT	AVG WIDTH OF CUT	CCII O Q 3	400 FT	AVG [	DIST TO DUMP	,	
CHARAC		DENSITY OF M	ATERIALS	;					1350	GMS/L	ITER		1350
CHARAC <sup>*</sup> MATER		DENSITY OF WATER							1012	GMS/L	ITER@		87 °F
		MIN	0.00	TIME		00:00					LOCATION US	SCG	
RIVER/ STAC		MIN	0.00 TIME			00:00	MAX 0.00	TIME	00:00	GAGE	DATUM M	LLW	
MEATUED	ONDITION	WEATHER	0.00				TEMP	VISIBILITY		WIND			
WEATHER C	ONDITION	Weather Caus	sed No Del	lay			66 °F / 90 °F	10 MI		7 MPF	<u> </u>		
		DRAFT						DISTRIBUT	ON OF TIM	E AND	MILES RUN		
	LIGHT		LOADED				AGITATIN (MIN)				DREDGE 8 HAUL (MIN		MILES RUN (NAUT MI)
FORWARD		13				26	EFFECTIVE WORKING TIME:						
AFT		13				26	PUMPING:			00:00	0.	1:35	0.0
DRAG DEPTH MAX 0 MIN			1 0			TURNING:			00:00	00	0:05	0.0	
							TO DUMP:	DUMP:		00:00	12	2:30	0.0
INDICATORS LAST CHECKED ON		ON 07/03/20 <sup>-</sup>	2014				CONNECTING:			00:00	00	0:00	0.0
AVERAGE SPEED OF DREDGE DURING		F	T/MIN		0	DUMPING:			00:00	00	0:15	0.0	
	ED OF DREDGE	DURING	F	T/MIN		0	DISCONNECTING:			00:00	00	0:00	0.0
AGITATING GALLONS OF F	UEL OIL CONSU	JMED		GAL			TO CUT:			00:00	09	9:35	0.0
GALLONS OF V	VATER CONSUN	ИED		GAL		1,092	TOTALS:			00:00	24	4:00	0.0
						1,092	NON-EFFECTIVE WOR	RKING TIME:					
		WORK PERFORI	MED				TAKING ON FUEL AND			00:00	00	0:00	0.0
NO.OF LOADS	TOTAL CYS	ND HAULING	AL AREA			L CYS	ANCHORAGE:			00:00	00	0:00	0.0
4	24,297		8 & 9			0	LOSS DUE TO NATURA ELEMENTS: LOSS DUE TO TRAFFIO			00:00		0:00	0.0
							BRIDGES			00:00	00	0:00	0.0
							MINOR OPERATING RI			00:00		0:00	0.0
							WORKS	VLLIN		00:00		0:00	0.0
		ATTENDANT PL	ANT				LAY TIME:			00:00		0:00	0.0
ITEM		NAME OF	R NUMBER	₹	H.P.	HOURS	FIRE AND BOAT DRILLS:			00:00		0:00	0.0
Crew	Boat	Ag	gie		400	12:00	MISCELLANEOUS			00:00		0:00	0.0
							TOTALS			00:00	00	0:00	0.0
							LOST TIME:  MAJOR REPAIRS AND				Τ .		
							ALTERNATIONS			00:00		0:00	0.0
							CESSATION:			00:00		0:00	0.0
							COLLISIONS:			00:00		0:00	0.0
							TOTAL TIME/MILES:			00:00		0:00	0.0
						<u> </u>	TOTAL TIME/MILES:			00:00	1 24	4:00	0.0

		QUALITY CONTROL	. REPORT-HOPPER	DREDGE		PAGE NO.	Page 34 of 279	
CONTRACT NO. W91278-14-D-0041 0001		CONTRACT TITLE  Maintenance Dredging of Mobile Harbor	CONTRACTO Dutra Dredgi		REPORT NO. 26  DATE 07/05/2014			
DREDGE		NAME AND TYPE Glenn Edwards						
			LOADS					
LOAD NUMBER		DREDGING AREA DISPOSAL AREA	START TIME STOP TIME	PUMPING TURNING	DUI	DUMP MPING CUT	TOTAL TIME DREDGED AMOUNT AGITATED AMOUNT	
			(HH:MM)	(MIN)		MIN)	(MIN/CYS)	
1 Sta 23	Sta 230+00 to 2	244+66	00:00	25	237		267	
	Cell 8 & 9		00:25	0		4	8,099	
						1	0	
2	Sta 230+00 to 3	244+66	04:27	21		243	457	
	Cell 8 & 9		04:48	0		6	8,099	
						187	0	
3	Sta 230+00 to 3	244+66	12:04	24		225	453	
	Cell 8 & 9		12:28	0		5	8,099	
	0000					199	0	
4	Sta 230+00 to 2	244+66	19:37	25		45	263	
*	Cell 8 & 9		20:07	5		0	0	
	3311 0 00 0					188	0	

**GENERAL COMMENTS** 

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					

		-	QUA	ALITY	CONTR	OL REPO	ORT-HOPPER DREDO	ЭE		PA	AGE NO.		Page 35 of 279
CONTRACT NO. CONTRACT TITLE W91278-14-D-0041 0001 Maintenance Dredging of Mobile Harbor						CONTRACTOR	RE	PORT NO.					
CHARACTER OF — —						Dutra Dredging Comp	pany		D/	ATE		26	
REPORT MAINTENANCE NEW WORK				WORK					07/05/2014				
DRED	GE		ER CAP:			4487 CY	AVG VOL OF BIN WAT	TER:	4487 CY	AVG	UNFILLED CAF	):	0 CY
Colu	mbia	NO. OF CF MEMBEF			DREDG	iΕ	OTHER PLANT	WORK SCI	HEDULE	SHIF	TS PER DAY	DA	AYS PER WEEK
		LOCATION CH	IANNEI	DEAC	15 H DBEDC	SED; STA	2	DISPOSAL A	REA USE	QTY D	2 EPOSITED	СИМІ	7 JLATIVE AND QTY
LOCATIO WOR		Mobile Ship Cha					10514	Cell 8 & 9		GROS	S(CY)		OSIT FOR DA(CY) 108,035
		AVG LENGTH		Sia 54	0+00 to 6	6000 FT	AVG WIDTH OF CUT	Cell 0 & 9	400 FT	AVG [	7,905 DIST TO DUMP	)	33 NM
		DENSITY OF M							1470	GMS/L			1470
CHARACT MATER		DENSITY OF M	ATERIALS	)					1470	GIVIS/L			1470
		DENSITY OF WATER							1012	GMS/L	ITER@		87 °F
RIVER/		MIN	0.00	TIME		00:00	MAX 0.00	TIME	00:00	GAGE	GE LOCATION Dog River		
STAC	it.	MIN	0.00	TIME		00:00	MAX 0.00	TIME	00:00	GAGE	DATUM M	ILLW	
WEATHER C	ONDITION	WEATHER					TEMP	VISIBILITY		WIND 7 MPH			
		Weather Caus	sed No Del	lay			66 °F / 90 °F	10 MI DISTRIBUT	•				
		DNAFI						DISTRIBUT	AGITAT		DREDGE	&	MILES RUN
	LIGHT		LOADED				(MIN)				HAUL (MIN		(NAUT MI)
FORWARD		6		17 EFFECTIVE WORKING TIME:					_				
AFT	Т 9					17				00:00		1:19	0.0
DRAG DEPTH	MAX 0		MIN	I 0			TURNING:		00:00		0:00	0.0	
INDICATORS LAST CHECKED ON 06/25/2014						TO DUMP:			00:00		3:31	0.0	
											1	0:00	0.0
AVERAGE SPEI LOADING	ED OF DREDGE	DURING	F	T/MIN		0	DUMPING:			00:00		0:12	0.0
AVERAGE SPER	D OF DREDGE	DURING	F	T/MIN		0	DISCONNECTING: TO CUT:			00:00	<u> </u>	0:00	0.0
	UEL OIL CONSU	JMED		GAL		4,493				00:00		8:58	0.0
GALLONS OF V	ATER CONSUM	1ED		GAL		561				00:00		4:00	0.0
		WORK PERFORM	MED				TAKING ON FUEL AND			00:00	Ι ,	0:00	0.0
	DREDGING A	ND HAULING			AGIT	ATING	TO AND FROM WHARI			00:00		0:00	0.0
NO.OF LOADS	TOTAL CYS		AL AREA			L CYS	ANCHORAGE:		00:00		0:00	0.0	
4	7,905	Cell	3 & 9		(	0	ELEMENTS: LOSS DUE TO TRAFFI	C AND		00:00		0:00	0.0
							BRIDGES MINOR OPERATING R	EPAIRS		00:00		0:00	0.0
							TRANSFERRING BETV			00:00		0:00	0.0
							WORKS LAY TIME:			00:00		0:00	0.0
		ATTENDANT PL	ANT			1	FIRE AND BOAT DRILI	 _S:		00:00		0:00	0.0
IT	EM	NAME OF	NUMBER	₹	H.P.	HOURS	MISCELLANEOUS			00:00		0:00	0.0
40' Crewboat		Cape	Anne		400	12:00	TOTALS			00:00	0	0:00	0.0
							LOST TIME:		<u> </u>		1		
							MAJOR REPAIRS AND			00:00	0	0:00	0.0
							ALTERNATIONS CESSATION:			00:00	0	0:00	0.0
							COLLISIONS:			00:00	0	0:00	0.0
							TOTALS:			00:00	0	0:00	0.0
							TOTAL TIME/MILES:			00:00	2	4:00	0.0
									1				

		QUALITY CONTROL	. REPORT-HOPPER	DREDGE		PAGE NO.	Page 36 of 279			
CONTRACT NO. W91278-14-D-0041 0001		CONTRACT TITLE  Maintenance Dredging of Mobile Harbor	CONTRACTO Dutra Dredgi		REPORT NO.					
DREDGE		NAME AND TYPE Columbia					<b>DATE</b> 07/05/2014			
			LOADS							
LOAD NUMBER		DREDGING AREA DISPOSAL AREA	START TIME STOP TIME	PUMPING TURNING	DUI	DUMP MPING CUT	TOTAL TIME DREDGED AMOUNT AGITATED AMOUNT			
			(HH:MM)	(MIN)		ΛIN)	(MIN/CYS)			
1	Sta 540+00 to	600+00	00:00	1		205	210			
	Cell 8 & 9		00:01	0		4	0			
						0	0			
2	Sta 540+00 to	600+00	03:30	22		212	418			
	Cell 8 & 9		03:52	0		4	2,635			
						180	0			
3	Sta 540+00 to	600+00	10:28	28		202	416			
	Cell 8 & 9		10:56	0		4	2,635			
						182	0			
4	Sta 540+00 to	600+00	17:24	28		192	396			
•	Cell 8 & 9		17:52	0		0	2,635			
	5511 5 4 5					176	0			

**GENERAL COMMENTS** 

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					

			QUA	LITY	CONTR	OL REPO	ORT-HOPPER DREDO	ЭE		PA	GE NO.		Page 37 of 279
CONTRACT NO		CONTRACT TI					CONTRACTOR			RE	PORT NO.		
W91278-14-D		Maintenance I	Dredging o	of Mobi	ile Harbo	r	Dutra Dredging Comp	oany					27
CHARACTER C REPORT	)F	X MAINTEN	NANCE		] NEW \	WORK					ATE 07/06/2014		
DRED	OGE	HOPF	PER CAP:			4487 CY	AVG VOL OF BIN WATER: 4487 C		4487 CY	AVG L	JNFILLED CAF	<b>)</b> :	0 CY
Colu	mbia	NO. OF CF MEMBER			DREDG	iΕ	OTHER PLANT	OTHER PLANT WORK SCHEDULE		SHIFT	S PER DAY	DA	YS PER WEEK
		LOCATION CH	JANNEI	DEAC	15 H DBEDC	GED; STA	2	DISPOSAL A	REA USE	QTY D	2 EPOSITED	CUMU	7 ILATIVE AND QTY
LOCATION WOR		Mobile Ship Cha				*	10314	Cell 8 & 9		GROS	S(CY)		OSIT FOR DA(CY) 115,940
		AVG LENGTH		Sta 54	0+00 to 6	6000 FT	AVG WIDTH OF CUT	Cell 0 & 9	400 FT	AVG D	7,905 <b> </b> DIST TO DUMP	,	33 NM
	CHARACTER OF DENSITY OF MATERIAL								1470	GMS/LI	ITER		1470
	CHARACTER OF MATERIAL DENSITY OF WATER									GMS/LI			87 °F
								T					
RIVER/ STA		MIN	0.00	TIME		00:00	MAX 0.00	TIME	00:00	GAGE	LOCATION D	og Riv	er 
		MIN	0.00	TIME		00:00		TIME			DATUM M	ILLW	
WEATHER C	ONDITION	WEATHER Weather Caus	sed No Del:	av			TEMP 73 °F / 91 °F	VISIBILITY 10 MI			1		
DRAFT				,	•	ION OF TIM	9 MPH	MILES RUN					
	LIGHT		LOADED						AGITA (MIN		DREDGE (		MILES RUN (NAUT MI)
FORWARD		6				17	EFFECTIVE WORKING	TIME:	(IVIII	N)	HAUL (WIII)	<u>")                                    </u>	(NAOT WII)
AFT		9 17 PUMPING:				00:00	0	1:38	0.0				
DRAG DEPTH	MAX 0	MIN 0					TURNING:			00:00	0	0:00	0.0
INIDIOATODO I	ACT OUEOVED	211 00/05/00					TO DUMP:			00:00	1	0:19	0.0
INDICATORS L	AST CHECKED (	ON 06/25/20 <sup>-</sup>	14				CONNECTING:			00:00	0	0:00	0.0
	ED OF DREDGE	DURING	F7	Γ/ΜΙΝ		0	DUMPING:			00:00	0	0:16	0.0
	ED OF DREDGE	DURING	F1	Γ/ΜΙΝ		0	DISCONNECTING:			00:00	0	0:00	0.0
AGITATING GALLONS OF F	UEL OIL CONSU	JMED		GAL		3,514	TO CUT:			00:00		1:47	0.0
GALLONS OF V	VATER CONSUM	ИED		GAL		1,012	TOTALS:			00:00	2	4:00	0.0
	,	WORK PERFORI	MED			1,012	NON-EFFECTIVE WOF				T .		
			VIED .		4017	4.TING	TAKING ON FUEL AND TO AND FROM WHAR			00:00	-	0:00	0.0
NO.OF LOADS	TOTAL CYS	AND HAULING DISPOS	AL AREA			L CYS	ANCHORAGE: LOSS DUE TO NATURA			00:00		0:00	0.0
5	7,905		8 & 9			0	ELEMENTS: LOSS DUE TO TRAFFI			00:00	-	0:00	0.0
							BRIDGES			00:00		0:00	0.0
							MINOR OPERATING R TRANSFERRING BETV			00:00	-	0:00	0.0
							WORKS LAY TIME:			00:00	-	0:00	0.0
		ATTENDANT PL	ANT			1	FIRE AND BOAT DRILL	C:		00:00	<b> </b>	0:00	0.0
IT	EM	NAME OF	RNUMBER	ł	H.P.	HOURS	MISCELLANEOUS			00:00	-	0:00	0.0
40' Cre	ewboat	Cape	Anne		400	12:00	TOTALS			00:00	+	0:00	0.0
							LOST TIME:					0.00	
							MAJOR REPAIRS AND			00:00	0	0:00	0.0
							ALTERNATIONS CESSATION:			00:00	<b>-</b>	0:00	0.0
							COLLISIONS:			00:00	0	0:00	0.0
							TOTALS:			00:00	0	0:00	0.0
							TOTAL TIME/MILES:			00:00	2	4:00	0.0

		QUALITY CONTROL	REPORT-HOPPER	DREDGE		PAGE NO.	Page 38 of 279
CONTRACT NO	).	CONTRACT TITLE	CONTRACTO	OR		REPORT N	<u>_</u>
W91278-14-E	-0041 0001	Maintenance Dredging of Mobile Harbor	Dutra Dredgii	ng Company			27
DREDGE		NAME AND TYPE Columbia				<b>DATE</b> 07/06/20	14
			LOADS				
LOAD NUMBER		DREDGING AREA DISPOSAL AREA	START TIME STOP TIME (HH:MM)	PUMPING TURNING (MIN)	DUM TO	DUMP MPING CUT MIN)	TOTAL TIME DREDGED AMOUNT AGITATED AMOUNT (MIN/CYS)
1	Sta 540+00 to 600+00		00:00	1	(.	16 21	
	Cell 8 & 9		00:01	0		4	0
	0011000					0	0
2	Sta 540+00 to	0 600+00	00:21	27		206	415
	Cell 8 & 9		00:48	0		4	2,635
						178	0
3	Sta 540+00 to	600+00	07:16	25		196	403
	Cell 8 & 9		07:41	0		4	2,635
						178	0
4	Sta 540+00 to	600+00	13:59	28		201	413
	Cell 8 & 9		14:27	0		4	2,635
						180	0
5	Sta 540+00 to	0 600+00	20:52	17		0	188
-	Cell 8 & 9		21:09	0		0	0
						171	0

**GENERAL COMMENTS** 

CONTRACTOR CERTIFICATION	material used a	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								

			QUA	LITY	CONTR	OL REPO	ORT-HOPPER DREDO	<b>SE</b>		PA	AGE NO.		Page 39 of 279
CONTRACT NO W91278-14-D		CONTRACT TI		of Mahi	ilo Worbo	-	CONTRACTOR  Dutra Dradging Comm	oon.		RE	PORT NO.		
CHARACTER O		Maintenance I		dow to			Dutra Dredging Comp	bany		- I	ATE		27
REPORT		X MAINTEN	NANCE		NEW \	WORK	I				07/06/2014		
DRED	GE		PER CAP:			4487 CY	AVG VOL OF BIN WATER: 448		4487 CY	AVG UNFILLED CA		P:	0 CY
Glenn E	dwards	NO. OF CF MEMBER			DREDG	iΕ	OTHER PLANT	WORK SCHEDULE		SHIFT	rs per day	DA	YS PER WEEK
LOCATIO	ON OF	LOCATION CH	HANNEL	REAC	18 CH DREDGED; STA T		5 TO STA	DISPOSAL A	REA USE				7 JLATIVE AND QTY
WOF		Mobile Ship Cha				44+66 Re		Cell 8 & 9		GROS	S(CY) 24,245	DEP	OSIT FOR DA(CY) 80.127
		AVG LENGTH		<u> </u>	.0700102	1466 FT	AVG WIDTH OF CUT 400 FT			AVG [	DIST TO DUMF	•	41 NM
CHARAC	CHARACTER OF DENSITY OF MATERIA								1350	GMS/L	ITER		1350
	MATERIAL DENSITY OF WATER								1012	GMS/L	ITER@		87 °F
	MIN			TIME		00:00	MAX 0.00	TIME	00:00	GAGE	LOCATION U	SCG	
RIVER/ STAC													
		MIN WEATHER	0.00	IIIVIE		00:00	TEMP 0.00	TIME			DATUM N	ILLW	
WEATHER C	ONDITION	Weather Caus	sed No Dela	ay			73 °F / 91 °F	10 MI		WIND 9 MPH	l		
	DRAFT DISTRIBUTION OF				ION OF TIM	IE AND	MILES RUN						
	LIGHT		LOADED						AGITAT		DREDGE HAUL (MIN		MILES RUN (NAUT MI)
FORWARD		13				26	EFFECTIVE WORKING	TIME:		,			
AFT		13		26 PUMPING:			00:00	0	1:12	0.0			
DRAG DEPTH	MAX 0	) MIN 0					TURNING:			00:00	0	00:00	0.0
INDICATORS LA	VST CHECKED (	ON 07/03/20	1.4				TO DUMP:			00:00	1	2:47	0.0
INDICATORS LA	431 CHECKED (	JN 07/03/20	14				CONNECTING:			00:00	0	0:00	0.0
AVERAGE SPE	ED OF DREDGE	DURING	F1	Γ/ΜΙΝ		0	DUMPING:			00:00	0	0:14	0.0
LOADING AVERAGE SPEI	ED OF DREDGE	DURING	F1	Γ/ΜΙΝ		0	DISCONNECTING:			00:00	0	00:00	0.0
AGITATING GALLONS OF F	UEL OIL CONSU	JMED		GAL		6,167	TO CUT:			00:00		9:47	0.0
GALLONS OF V	VATER CONSUM	ИED		GAL		1,248	TOTALS:	NUNC TIME		00:00	2	4:00	0.0
	,	WORK PERFORI	l MED			, -	NON-EFFECTIVE WOR			00:00		0:00	0.0
		AND HAULING			AGIT	ATING	TO AND FROM WHARF			00:00		0:00	0.0
NO.OF LOADS	TOTAL CYS		AL AREA			L CYS	ANCHORAGE: LOSS DUE TO NATURA	AL		00:00		0:00	0.0
4	24,245	Cell	8 & 9			0	ELEMENTS: LOSS DUE TO TRAFFI	C AND		00:00		0:00	0.0
							BRIDGES MINOR OPERATING R	FPAIRS		00:00		0:00	0.0
							TRANSFERRING BETV			00:00		0:00	0.0
							WORKS LAY TIME:			00:00	0	0:00	0.0
		ATTENDANT PL				1	FIRE AND BOAT DRILL	S:		00:00	0	0:00	0.0
ІТ	EM	NAME OF	R NUMBER	ł	H.P.	HOURS	MISCELLANEOUS			00:00	0	0:00	0.0
Crew	Boat	Ag	gie		400	12:00	TOTALS			00:00	0	0:00	0.0
							LOST TIME:		1				
							MAJOR REPAIRS AND ALTERNATIONS			00:00	0	0:00	0.0
							CESSATION:			00:00	0	00:00	0.0
							COLLISIONS:			00:00	0	0:00	0.0
							TOTALS:			00:00	0	00:00	0.0
							TOTAL TIME/MILES:			00:00	2	4:00	0.0

		QUALITY CONTROL	REPORT-HOPPER	DREDGE		PAGE NO.	Page 40 of 279		
CONTRACT NO	).	CONTRACT TITLE	CONTRACTO	OR		REPORT N	REPORT NO.		
W91278-14-D	-0041 0001	Maintenance Dredging of Mobile Harbor	Dutra Dredgi	ng Company			27		
DREDGE		NAME AND TYPE Glenn Edwards		<b>DATE</b> 07/06/201	14				
		-	LOADS						
LOAD NUMBER		DREDGING AREA DISPOSAL AREA	START TIME STOP TIME	PUMPING TURNING	DUI	DUMP MPING CUT	TOTAL TIME DREDGED AMOUNT AGITATED AMOUNT		
			(HH:MM)	(MIN)		ΛIN)	(MIN/CYS)		
1 Sta 230+00 to 24		244+66	00:00	1		179	185		
	Cell 8 & 9		00:01	0		5	8,082		
						0	0		
2	Sta 230+00 to	244+66	03:05	20		234	443		
	Cell 8 & 9		03:25	0		3	8,099		
	0011000					186	0		
3	Sta 105+54 to	140+00	10:28	26		245	490		
	Cell 8 & 9		10:54	0		6	8,064		
						213	0		
4	Sta 230+00 to	244+66	18:38	25		109	322		
	Cell 8 & 9		19:03	0		0	0		
						188	0		

**GENERAL COMMENTS** 

CONTRACTOR CERTIFICATION	material used a	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						

			QUA	ALITY	CONTR	OL REPO	ORT-HOPPER DREDO	<b>SE</b>		PA	AGE NO.		Page 41 of 279
CONTRACT NO		CONTRACT TI					CONTRACTOR			RE	PORT NO.		
W91278-14-D		Maintenance I	Oredging o	of Mobi	ile Harbo	r	Dutra Dredging Comp	any					28
CHARACTER C REPORT	)F	X MAINTEN	NANCE		NEW \	WORK					ATE 07/07/2014		
DRED	OGE	HOPF	PER CAP:			4487 CY	AVG VOL OF BIN WATER: 4487 CY		4487 CY	AVG (	JNFILLED CAP	<b>)</b> :	0 CY
Colu	mbia	NO. OF CF MEMBER			DREDG	iΕ	OTHER PLANT	OTHER PLANT WORK SCHEDULE		SHIFT	TS PER DAY	DA	YS PER WEEK
		LOCATION CH	IANNEI	DEAC	15 H DBEDC	GED; STA	2	DISPOSAL A	REA USE	QTY D	2 EPOSITED	CUMU	7 ILATIVE AND QTY
LOCATION WOR		Mobile Ship Cha				*	10314	Cell 8 & 9		GROS	S(CY)		OSIT FOR DA(CY) 126,480
		AVG LENGTH		Sta 540+00 to 600+00 6000 FT			AVG WIDTH OF CUT	Cell 0 & 9	400 FT	AVG E	10,540 <u> </u> DIST TO DUMP	,	33 NM
	DENSITY OF MATERIA								1470	GMS/L	ITER		1470
	CHARACTER OF MATERIAL DENSITY OF WATER									GMS/L			87 °F
								I			-		
RIVER/ STA		MIN	0.00	TIME		00:00	MAX 0.00	TIME	00:00	GAGE	LOCATION D	og Riv	er 
		MIN	0.00	TIME		00:00		TIME			DATUM M	ILLW	
WEATHER C	ONDITION	WEATHER Weather Caus	sed No Del	av			TEMP 73 °F / 91 °F	VISIBILITY 10 MI			Н		
		DRAFT						•	ION OF TIM		MILES RUN		
	LIGHT		LOADED						AGITAT		DREDGE (		MILES RUN (NAUT MI)
FORWARD		6				17	EFFECTIVE WORKING	TIME:	(IVIII	<b>N</b> )	TIAGE (WIII)	•)	(NAOT WII)
AFT		9 17 PUMPING:				00:00	0	1:25	0.0				
DRAG DEPTH	MAX 0	MIN 0					TURNING:			00:00	0	0:00	0.0
INIDIOATODO I	ACT OUEOVED	211 00/05/00					TO DUMP:			00:00	1:	3:12	0.0
INDICATORS L	AST CHECKED (	ON 06/25/20 <sup>-</sup>	14				CONNECTING:			00:00	0	0:00	0.0
	ED OF DREDGE	DURING	F	T/MIN		0	DUMPING:			00:00	0	0:16	0.0
LOADING AVERAGE SPE	ED OF DREDGE	DURING	F	T/MIN		0	DISCONNECTING:			00:00	0	0:00	0.0
AGITATING GALLONS OF F	UEL OIL CONSU	JMED		GAL		2,893	то сит:			00:00	0:	9:07	0.0
GALLONS OF V	VATER CONSUM	ИED		GAL		935	TOTALS:			00:00	2-	4:00	0.0
		WORK PERFORI	AED			933	NON-EFFECTIVE WOR		1			<del></del>	
			MED				TAKING ON FUEL AND TO AND FROM WHARF			00:00		0:00	0.0
NO.OF LOADS		AND HAULING	AL AREA			L CYS	ANCHORAGE: LOSS DUE TO NATURA			00:00		0:00	0.0
5	10,540		8 & 9			0	ELEMENTS: LOSS DUE TO TRAFFI			00:00		0:00	0.0
							BRIDGES			00:00		0:00	0.0
							MINOR OPERATING R TRANSFERRING BETV			00:00		0:00	0.0
							WORKS			00:00		0:00	0.0
		ATTENDANT PL	ANT				LAY TIME:			00:00		0:00	0.0
IT	EM	NAME OF	NUMBER	2	H.P.	HOURS	FIRE AND BOAT DRILL	-8:		00:00		0:00	0.0
40' Cre	ewboat	Cape	Anne		400	12:00	MISCELLANEOUS			00:00		0:00	0.0
							TOTALS  LOST TIME:			00:00		0:00	0.0
							MAJOR REPAIRS AND			00:00		0:00	0.0
							ALTERNATIONS CESSATION:			00:00		0:00	0.0
							COLLISIONS:			00:00		0:00	0.0
							TOTALS:			00:00		0:00	0.0
							TOTAL TIME/MILES:			00:00		4:00	0.0
		L				<u> </u>	I		<u> </u>			.55	

		QUALITY CONTROI	REPORT-HOPPER	DREDGE		Page 42 of 279		
CONTRACT NO	).	CONTRACT TITLE	CONTRACT	OR	REPORT N	10.		
W91278-14-E	0-0041 0001	Maintenance Dredging of Mobile Harbor	Dutra Dredgi	ng Company		28		
DREDGE		NAME AND TYPE Columbia		<b>DATE</b> 07/07/20	<b>DATE</b> 07/07/2014			
			LOADS		•			
LOAD NUMBER		DREDGING AREA DISPOSAL AREA	START TIME STOP TIME	PUMPING TURNING	TO DUMP DUMPING TO CUT	TOTAL TIME DREDGED AMOUNT AGITATED AMOUNT		
	0. 540 00.		(HH:MM)	(MIN)	(MIN)	(MIN/CYS)		
1	1 Sta 540+00 to 600+00		00:00	10	203	217		
	Cell 8 & 9		00:10	0	0	2,635 0		
2	Sta 540+00 to	600+00	03:37	23	194	392		
-	Cell 8 & 9		04:00	0	4	2,635		
					171	0		
3	Sta 540+00 to	600+00	10:09	26	192	405		
	Cell 8 & 9		10:35	0	4	2,635		
					183	0		
4	Sta 540+00 to	600+00	16:54	25	203	410		
	Cell 8 & 9		17:19	0	4	2,635		
					178	0		
5	Sta 540+00 to	600+00	23:44	1	0	16		
	Cell 8 & 9		23:45	0	0	0		
					15	0		

QC NARRATIVE(S)

## **GENERAL COMMENTS**

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					

			QUA	LITY	CONTR	OL REPO	RT-HOPPER DRED	GE		PA	GE NO.		Page 43 of 279
CONTRACT NO	).	CONTRACT TI	TLE				CONTRACTOR			RE	PORT NO.		
W91278-14-D		Maintenance I	Oredging o	of Mobi	ile Harbo	r	Dutra Dredging Com	pany					28
CHARACTER C REPORT	)F	X MAINTEN	NANCE		NEW V	WORK					<b>NTE</b> 07/07/2014		
DRED	GE	HOPF	PER CAP:			4487 CY	AVG VOL OF BIN WA	TER:	4487 CY	AVG L	JNFILLED CAP	<b>)</b> :	0 CY
Glenn E	Edwards	NO. OF CF MEMBEF			DREDG	iΕ	OTHER PLANT	WORK SC	HEDULE	SHIFT	S PER DAY	DA	YS PER WEEK
					18		5	DISPOSAL A	DEA LIGE	OTV D	2 EPOSITED	CL IN AL	7
LOCATION WOR		LOCATION CH		Sta 23	0+00 to 2	SED; STA 44+66 Re	TO STA d Side And 105+54 to		INLA USL	GROS	S(CY)		ILATIVE AND QTY OSIT FOR DA(CY)
		Mobile Ship Cha		140+0	0	1466 FT	AVG WIDTH OF CUT	Cell 8 & 9	400 FT	AVG F	24,262   DIST TO DUMP		104,389 41 NM
						110011	AVG WIETTI OF COT						
CHARAC <sup>*</sup> MATEI		DENSITY OF M	ATERIALS	S					1350	GMS/LI	TER		1350
		DENSITY OF W	ATER					_	1012	GMS/LI	TER@		87 °F
RIVER/	TIDE	MIN	0.00	TIME		00:00	MAX 0.00	TIME	00:00	GAGE	LOCATION US	SCG	
STA	GE	MIN	0.00	TIME		00:00	MAX 0.00	TIME	00:00	GAGE	DATUM M	LLW	
WEATHER C	ONDITION	WEATHER					TEMP	VISIBILITY		WIND			
WEXTHER		Weather Caus	sed No Del	ay			73 °F / 91 °F	10 MI		10 MP	<u>H                                    </u>		
		DRAFT						DISTRIBUT	ION OF TIM	IE AND	MILES RUN		
	LIGHT		LOADED						AGITAT (MIN		DREDGE & HAUL (MIN		MILES RUN (NAUT MI)
FORWARD		13				26	EFFECTIVE WORKING TIME:						
AFT		13 26 PUMPING:					00:00	0.	1:17	0.0			
DRAG DEPTH	RAG DEPTH MAX 0 MIN 0			0			TURNING:			00:00	00	0:00	0.0
INIDICATORCI	A OT OUTOKED (	2N 07/00/00					TO DUMP:			00:00	11	1:42	0.0
INDICATORS LA	AST CHECKED (	ON 07/03/20 <sup>2</sup>	14				CONNECTING:			00:00	0(	0:00	0.0
	ED OF DREDGE	DURING	F	Γ/ΜΙΝ		0	DUMPING:			00:00	00	0:14	0.0
LOADING AVERAGE SPE	ED OF DREDGE	DURING	F	Γ/ΜΙΝ		0	DISCONNECTING:			00:00	00	0:00	0.0
AGITATING GALLONS OF F	UEL OIL CONSU	JMED		GAL			TO CUT:			00:00	09	9:47	0.0
GALLONS OF V	VATER CONSUM	/IED		GAL			TOTALS:			00:00	23	3:00	0.0
				J		1,092	NON-EFFECTIVE WOR	RKING TIME:	T				
		WORK PERFORM	MED				TAKING ON FUEL AND			00:00	00	0:00	0.0
NO OF LOADS		AND HAULING				ATING	TO AND FROM WHAR ANCHORAGE:			00:00	00	0:00	0.0
NO.OF LOADS 4	TOTAL CYS 24,262		AL AREA 8 & 9			L CYS 0	LOSS DUE TO NATUR ELEMENTS:			00:00	00	0:00	0.0
							LOSS DUE TO TRAFF BRIDGES	IC AND		00:00	0.	1:00	0.0
							MINOR OPERATING R			00:00	00	0:00	0.0
							TRANSFERRING BETY WORKS	WEEN		00:00	00	0:00	0.0
		ATTENDANT PL	ANT				LAY TIME:			00:00	00	0:00	0.0
IT	EM	NAME OF	NUMBER	ł	H.P.	HOURS	FIRE AND BOAT DRIL	LS:		00:00	00	0:00	0.0
Crew	Boat	Aa	gie		400	12:00	MISCELLANEOUS			00:00	00	0:00	0.0
		3					TOTALS			00:00	0.	1:00	0.0
							LOST TIME:						
							MAJOR REPAIRS AND ALTERNATIONS	)		00:00	00	0:00	0.0
							CESSATION:			00:00	00	0:00	0.0
							COLLISIONS:			00:00	00	0:00	0.0
							TOTALS:			00:00	00	0:00	0.0
							TOTAL TIME/MILES:			00:00	24	4:00	0.0

		QUALITY CONTROL	L REPORT-HOPPER	DREDGE		PAGE NO.	Page 44 of 279			
CONTRACT NO	).	CONTRACT TITLE	CONTRACTO	OR		REPORT NO	).			
W91278-14-D	0-0041 0001	Maintenance Dredging of Mobile Harbor	Dutra Dredgi	ng Company			28			
DREDGE		NAME AND TYPE Glenn Edwards	<b>'</b>							
			LOADS			•				
LOAD NUMBER			START TIME STOP TIME	PUMPING TURNING	DUI	DUMP MPING CUT	TOTAL TIME DREDGED AMOUNT AGITATED AMOUNT			
			(HH:MM)	(MIN)		MIN)	(MIN/CYS)			
1 Sta 230+00 to 2		244+66	00:00	1		112	118			
	Cell 8 & 9		00:01	0		5	8,099			
						0	0			
2	Sta 230+00 to	244+66	01:58	22		226	444			
	Cell 8 & 9		02:20	0		4	8,064			
	0000					192	0			
3	Sta 105+00 to	140+00	09:22	28		238	468			
-	Cell 8 & 9		09:50	0		5	8,099			
	0000					197	0			
4	Sta 105+00 to	140+00	18:10	26		126	350			
·	Cell 8 & 9		18:36	0		0	0			
						198	0			

#### **GENERAL COMMENTS**

1380 Minutes @ 100% 60 Minutes @ 70% Traffic

CONTRACTOR CERTIFICATION	material used a	and work performed during t	is Report is complete and correct a his Reporting period are in complia knowledge, except as noted above.	nce with the contract
QC REPRESENTATIVE'S SIGNATURE		DATE	SUPERINTENDENT'S INITIALS	DATE

			QUA	LITY	CONTR	OL REPO	ORT-HOPPER DRED	GE		PA	GE NO.		Page 45 of 279
CONTRACT NO		CONTRACT TI					CONTRACTOR			RE	PORT NO.		
W91278-14-D CHARACTER O		Maintenance I	Oredging o	of Mobi	ile Harbo	r	Dutra Dredging Com	pany		-			29
REPORT	'F	X MAINTEN	IANCE		NEW V	WORK					ATE 07/08/2014		
DRED	GE	HOPF	ER CAP:			4487 CY	AVG VOL OF BIN WA	TER:	4487 CY	AVG (	JNFILLED CAP	:	0 CY
Colu	mbia	NO. OF CF MEMBEF			DREDG	iΕ	OTHER PLANT	WORK SC	HEDULE	SHIFT	S PER DAY	DA	AYS PER WEEK
		LOGATION OF	IANINIEI	DEAG	15	NED 074	2	DISPOSAL A	REA USE	OTY D	2 EPOSITED	CLIMI	7 JLATIVE AND QTY
LOCATIO WOR		LOCATION CH				SED; STA	IOSIA	Cell 8 & 9	INCENT COL	GROSS(CY) DEPOSIT FOR I			OSIT FOR DA(CY)
		Mobile Ship Cha		Sta 54	0+00 to 6	6000 FT	AVG WIDTH OF CUT	Cell 8 & 9	400 FT	5,270 AVG DIST TO DUMP			131,750 33 NM
							7,100,11,2,11,0,000						
CHARACT MATER		DENSITY OF M.	ATERIALS						1470	GMS/L	IIEK		1470
		DENSITY OF W	ATER					1	1012	GMS/L	ITER@		87 °F
RIVER/		MIN	0.00	TIME		00:00	MAX 0.00	TIME	00:00	GAGE	LOCATION Do	og Ri	ver
STAC	GE	MIN	0.00	TIME		00:00	MAX 0.00	TIME	00:00	GAGE	DATUM M	LLW	
WEATHER C	ONDITION	WEATHER					TEMP				<del>.</del>		
		Weather Caus	sed No Del	ay			73 °F / 90 °F	10 MI	•	22 MP	H MILES RUN		
		DRAFI						DISTRIBUT	AGITAT		DREDGE 8	<u>.                                    </u>	MILES RUN
	LIGHT		LOADED				(MIN)				HAUL (MIN		(NAUT MI)
FORWARD		6				17	EFFECTIVE WORKING TIME:				1		
AFT	9 17 PUMPING:					00:00		0:57	0.0				
DRAG DEPTH	MAX 0 MIN 0 TURNING:					00:00	-	0:00	0.0				
INDICATORS LA	TO DUMP:  RS LAST CHECKED ON 06/25/2014				00:00	-	6:59	0.0					
						CONNECTING: DUMPING:			00:00		0:00	0.0	
AVERAGE SPEE LOADING	ED OF DREDGE	DURING	F	T/MIN		0	DISCONNECTING:			00:00		0:08	0.0
AVERAGE SPER	ED OF DREDGE	DURING	F	T/MIN		0	TO CUT:			00:00		6:11	0.0
GALLONS OF F	UEL OIL CONSU	JMED		GAL		0				00:00		4:15	0.0
GALLONS OF V	VATER CONSUM	MED		GAL		0	NON-EFFECTIVE WO	RKING TIME:		00.00		7.10	
	,	WORK PERFORI	MED				TAKING ON FUEL AN			00:00	0.5	5:10	0.0
	DREDGING A	ND HAULING			AGIT	ATING	TO AND FROM WHAR			00:00		1:59	0.0
NO.OF LOADS	TOTAL CYS		AL AREA			L CYS	ANCHORAGE: LOSS DUE TO NATUR	RAL		00:00		0:00	0.0
3	5,270	Cell	3 & 9			0	ELEMENTS: LOSS DUE TO TRAFF	IC AND		00:00	00	0:00	0.0
							BRIDGES MINOR OPERATING F	REPAIRS		00:00	02	2:36	0.0
							TRANSFERRING BET WORKS	WEEN		00:00	00	0:00	0.0
		ATTENDANT DI	ANIT				LAY TIME:			00:00	00	0:00	0.0
		ATTENDANT PLA				LIGUIDO	FIRE AND BOAT DRIL	LS:		00:00	00	0:00	0.0
	EM		NUMBER	ζ	H.P.	HOURS	MISCELLANEOUS			00:00	00	0:00	0.0
40' Cre	ewboat	Cape	Anne		400	12:00	TOTALS			00:00	09	9:45	0.0
							LOST TIME:		Į.		•		
							MAJOR REPAIRS AND ALTERNATIONS	)		00:00	00	0:00	0.0
							CESSATION:			00:00	00	0:00	0.0
							COLLISIONS:			00:00	00	0:00	0.0
							TOTALS:			00:00	00	0:00	0.0
							TOTAL TIME/MILES:			00:00	24	4:00	0.0

		QUALITY CONTRO	L REPORT-HOPPER	DREDGE		PAGE NO.	Page 46 of 279	
CONTRACT NO	).	CONTRACT TITLE	CONTRACT	OR		REPORT NO.		
W91278-14-D	-0041 0001	Maintenance Dredging of Mobile Harbor	Dutra Dredgi	ng Company	29			
DREDGE		NAME AND TYPE Columbia				<b>DATE</b> 07/08/2014		
			LOADS			•		
LOAD NUMBER		DREDGING AREA DISPOSAL AREA	PUMPING TURNING	TO DUMP DUMPING TO CUT		TOTAL TIME DREDGED AMOUNT AGITATED AMOUNT		
			(HH:MM)	(MIN)		MIN)	(MIN/CYS)	
1	Sta 540+00 to	600+00	00:00	24		207	389	
	Cell 8 & 9		00:24	0		4	2,635	
						154	0	
2	Sta 540+00 to	600+00	06:29	32		212	425	
_	Cell 8 & 9		07:01	0		4	2,635	
						177	0	
3	Sta 540+00 to	600+00	23:19	1		0	41	
	Cell 8 & 9		23:20	0		0	0	
						40	0	

## **GENERAL COMMENTS**

855 Minutes @ 100%

585 Minutes @ 0% Fuel day with repairs

CONTRACTOR CERTIFICATION	material used and work perform	ertify that this Report is complete and correct a ned during this Reporting period are in compli- best of my knowledge, except as noted above	ance with the contract
QC REPRESENTATIVE'S SIGNATURE	DATE	SUPERINTENDENT'S INITIALS	DATE

			QUA	ALITY	CONTR	OL REPO	ORT-HOPPER DREDO	<b>GE</b>		PA	AGE NO.		Page 47 of 279
CONTRACT NO		CONTRACT TI	TLE				CONTRACTOR			RE	PORT NO.		
W91278-14-D		Maintenance I	Oredging o	of Mobi	ile Harbo	r	Dutra Dredging Comp	oany					29
CHARACTER O REPORT	F	X MAINTEN	IANCE		NEW V	VORK					ATE 07/08/2014		
DRED	GE	HOPF	ER CAP:			4487 CY	AVG VOL OF BIN WATER: 4487 CY		4487 CY	AVG (	JNFILLED CAP	):	0 CY
Glenn E	dwards	NO. OF CF MEMBEF			DREDG	E	OTHER PLANT	WORK SCH	HEDULE	SHIFT	S PER DAY	DA	YS PER WEEK
LOCATIO	ON OF	LOCATION CH	IANNFI	RFAC	18 H DREDO	SED; STA	5 DISPOSAL AREA USE Q				EPOSITED (	CUMI	7 JLATIVE AND QTY
WOF		Mobile Ship Cha				140+00 G		Cell 8 & 9		GROSS(CY) DEPOSIT FO			OSIT FOR DA(CY) 128,687
		AVG LENGTH		<u> </u>	30,00 10	3500 FT	AVG WIDTH OF CUT	,	200 FT	AVG E	DIST TO DUMP		
CHARAC	TER OF	DENSITY OF M	ATERIALS	1					1350	GMS/L	ITER		1350
MATER		DENSITY OF W	ATER					1012 G			ITER@		87 °F
RIVER/	TIDE	MIN	0.00	TIME		00:00	MAX 0.00	TIME	00:00	GAGE	LOCATION US	SCG	
STAC	3E	MIN	0.00	TIME		00:00	MAX 0.00	0.00 TIME 00:00 G			DATUM MI	LLW	
WEATHER C	ONDITION	WEATHER					TEMP				-		
		Weather Caus	sed No Del	ay			73 °F / 90 °F	22 MP	MILES RUN	—			
		DRAFT						DISTRIBUT	AGITATI		DREDGE 8	<del>.                                    </del>	MILES RUN
	LIGHT		LOADED				(MIN)				HAUL (MIN		(NAUT MI)
FORWARD		13				26	EFFECTIVE WORKING TIME:						
AFT	13 26 PUMPING:						00:00		1:20	0.0			
DRAG DEPTH							00:00		0:00	0.0			
INDICATORS LA	S LAST CHECKED ON 07/03/2014				00:00		1:21	0.0					
							CONNECTING:			00:00		0:00	0.0
AVERAGE SPEE	ED OF DREDGE	DURING	F	T/MIN		0	DUMPING:			00:00		0:14	0.0
AVERAGE SPER	D OF DREDGE	DURING	F	T/MIN		0	DISCONNECTING:			00:00		0:00	0.0
	UEL OIL CONSU	JMED		GAL		5,746	TO CUT: TOTALS:			00:00		0:25 3:20	0.0
GALLONS OF V	ATER CONSUM	MED		GAL		1,248	NON-EFFECTIVE WOR	RKING TIME:		00.00		3.20	0.0
	1	WORK PERFOR	ИED				TAKING ON FUEL AND	SUPPLIES		00:00	0(	0:00	0.0
	DREDGING A	ND HAULING			AGIT	ATING	TO AND FROM WHARF	OR		00:00	0(	0:00	0.0
NO.OF LOADS	TOTAL CYS 24,298		AL AREA 8 & 9			L CYS	ANCHORAGE: LOSS DUE TO NATURA ELEMENTS:	AL		00:00	0(	0:00	0.0
7	24,230	Cent	3 & 3			<u> </u>	LOSS DUE TO TRAFFI BRIDGES	C AND		00:00	0(	0:00	0.0
							MINOR OPERATING R	EPAIRS		00:00	0(	0:00	0.0
							TRANSFERRING BETV WORKS	VEEN		00:00	00	0:00	0.0
		 ATTENDANT PLA	ANT				LAY TIME:			00:00	00	0:00	0.0
ıT		<u> </u>	R NUMBER	,	H.P.	HOURS	FIRE AND BOAT DRILL	_S:		00:00	00	0:00	0.0
				`			MISCELLANEOUS			00:00	00	0:40	0.0
Crew	Boat	Ag	gie		400	12:00	TOTALS			00:00	00	0:40	0.0
							LOST TIME:						
							MAJOR REPAIRS AND ALTERNATIONS			00:00	00	0:00	0.0
							CESSATION:			00:00	00	0:00	0.0
							COLLISIONS:			00:00	00	0:00	0.0
							TOTALS:			00:00	00	0:00	0.0
							TOTAL TIME/MILES:			00:00	24	4:00	0.0

		QUALITY CONTROL	L REPORT-HOPPER	DREDGE		PAGE NO.	Page 48 of 279		
CONTRACT NO	).	CONTRACT TITLE	CONTRACT	OR		REPORT NO	REPORT NO.		
W91278-14-D	-0041 0001	Maintenance Dredging of Mobile Harbor	Dutra Dredgi	ng Company		29			
DREDGE		NAME AND TYPE Glenn Edwards	<b>DATE</b> 07/08/2014						
			LOADS						
LOAD NUMBER		DREDGING AREA DISPOSAL AREA	START TIME STOP TIME	PUMPING TURNING	DUN	DUMP MPING CUT	TOTAL TIME DREDGED AMOUNT AGITATED AMOUNT		
			(HH:MM)	(MIN)		ΛIN)	(MIN/CYS)		
1	1 Sta 105+00 to 140+00		00:00	1		121	127		
	Cell 8 & 9		00:01	0		5	8,117		
						0	0		
2	Sta 105+00 to	140+00	02:07	26		247	490		
	Cell 8 & 9		02:33	0		4	8,099		
					:	213	0		
3	Sta 105+00 to	140+00	10:17	26		244	488		
	Cell 8 & 9		10:43	0		5	8,082		
					:	213	0		
4	Sta 105+00 to	140+00	19:05	27		69	295		
	Cell 8 & 9		19:32	0		0	0		
						199	0		

## **GENERAL COMMENTS**

1400 Minutes @ 100%

40 Minutes @ 0% Misc Life rafts, Visitors, Traffic

CONTRACTOR CERTIFICATION	material used and w	ork performed during t	is Report is complete and correct a his Reporting period are in complia knowledge, except as noted above.	nce with the contract
QC REPRESENTATIVE'S SIGNATURE	DAT	Ē	SUPERINTENDENT'S INITIALS	DATE

			QUA	ALITY	CONTR	OL REPO	ORT-HOP	PER DREDG	βE		PA	GE NO.		Page 49 of 279
CONTRACT NO		CONTRACT TI		of Mak	ila Uarba	_		RACTOR			RE	PORT NO.		
W91278-14-D CHARACTER O		Maintenance I		dol it			Dutra L	Oredging Comp	any		DA	.TE		30
REPORT	•	X  MAINTEN	NANCE		NEW V	VORK	ı					07/09/2014		
DRED	GE		PER CAP:			4487 CY	AVG VO	L OF BIN WAT	ER:	4487 CY	AVG U	JNFILLED CAP	:	0 CY
Colu	mbia	NO. OF CF MEMBER			DREDG	E	OTHE	ER PLANT	WORK SCI	HEDULE	SHIFT	S PER DAY	DA	YS PER WEEK
LOCATIO	ON OF	LOCATION CH	IANNEL	REAC	15 H DREDG	SED; STA	TO STA	2	DISPOSAL A	REA USE				7 JLATIVE AND QTY
WOF		Mobile Ship Cha	nnel	Sta 54	0+00 to 6	00+00			Cell 8 & 9		GROS	5(CY) 10,540	DEP	OSIT FOR DA(CY) 142,290
		AVG LENGTH	OF CUT			6000 FT	AVG WI	DTH OF CUT		400 FT	AVG D	DIST TO DUMP		33 NM
CHARAC	TER OF	DENSITY OF M	ATERIALS	1						1470	GMS/LI	TER		1470
MATER		DENSITY OF W	ATER							1012	GMS/LI	TER@		87 °F
RIVER/	TIDE	MIN	0.00	TIME		00:00	MAX	0.00	TIME	00:00	GAGE	LOCATION DO	og Riv	/er
STAC		MIN	0.00	TIME		00:00	MAX	0.00	TIME	00:00	GAGE	DATUM M	LLW	
WEATHER C	ONDITION	WEATHER					TEMP		VISIBILITY		WIND			
		Weather Caus	sed No Del	ay			73 9	73 °F / 91 °F   10 MI   1  DISTRIBUTION OF TIME				MII ES DIIN		
		DIALI							DIOTRIBOT	AGITA		DREDGE 8	k T	MILES RUN
EODWARD.	LIGHT		LOADED			47	FFFFCTI	TIVE WORKING TIME:				HAUL (MIN	)	(NAUT MI)
FORWARD		9				17	T				00:00	0.	1:45	0.0
AFT		MAX 0 MIN 0				17	TURNING				00:00	00	0:00	0.0
DRAG DEPTH	RAG DEPTH MAX 0 MIN			0			TO DUM	P:			00:00	10	):44	0.0
INDICATORS LA	AST CHECKED (	ON 06/25/20 <sup>-</sup>	14				CONNEC	CTING:			00:00	00	0:00	0.0
AVERAGE SPE	ED OF DREDGE	DURING	F.	T/MIN			DUMPIN	G:			00:00	00	):12	0.0
LOADING AVERAGE SPE				T/MIN		0	DISCON	NECTING:			00:00	00	0:00	0.0
AGITATING	UEL OIL CONSU			GAL		0	TO CUT:				00:00	11	1:19	0.0
	VATER CONSUN			GAL		2,601	TOTALS:	:			00:00	24	1:00	0.0
GALLONS OF V	VATER CONSUM	<i></i>		GAL		1,120	NON-EFF	FECTIVE WOR	KING TIME:					
		WORK PERFORI	MED	ı				ON FUEL AND			00:00	00	0:00	0.0
NO OF LOADS		AND HAULING				ATING	ANCHOR				00:00	00	0:00	0.0
NO.OF LOADS 4	TOTAL CYS 10,540		AL AREA 8 & 9			L CYS 0	ELEMEN				00:00	00	0:00	0.0
							BRIDGES	JE TO TRAFFIO S	CAND		00:00	00	0:00	0.0
								PERATING RE			00:00	00	0:00	0.0
							WORKS	ERRING BETW	/EEN		00:00	00	0:00	0.0
		ATTENDANT PL	ANT				LAY TIMI	E:			00:00	00	0:00	0.0
IT	EM	NAME OF	R NUMBER	2	H.P.	HOURS	FIRE AN	D BOAT DRILL	S:		00:00	00	0:00	0.0
40' Cre	ewboat	Cape	Anne		400	12:00	MISCELL	ANEOUS			00:00	00	0:00	0.0
							TOTALS				00:00	00	0:00	0.0
							LOST TIN					1		
							ALTERNA				00:00		0:00	0.0
							CESSAT				00:00		0:00	0.0
							COLLISIO				00:00		0:00	0.0
							TOTALS:				00:00		0:00	0.0
							TOTAL T	IME/MILES:			00:00	24	1:00	0.0

		QUALITY CONTRO	L REPORT-HOPPER	DREDGE		PAGE NO.	Page 50 of 279
CONTRACT NO	).	CONTRACT TITLE	CONTRACT	OR		REPORT NO	
W91278-14-E	0-0041 0001	Maintenance Dredging of Mobile Harbor	Dutra Dredg	30			
DREDGE		NAME AND TYPE Columbia		<b>DATE</b> 07/09/2014			
			LOADS				
LOAD NUMBER		DREDGING AREA DISPOSAL AREA	START TIME STOP TIME	PUMPING TURNING	DUN	DUMP MPING CUT	TOTAL TIME DREDGED AMOUNT AGITATED AMOUNT
			(HH:MM)	(MIN)		ЛIN)	(MIN/CYS)
1	Sta 540+00 to	600+00	00:00	25		206	361
	Cell 8 & 9		00:25	0		4	2,635
						126	0
2	Sta 540+00 to	600+00	06:01	25		197	393
	Cell 8 & 9		06:26	0		4	2,635
						167	0
3	Sta 540+00 to	600+00	12:34	26		190	430
	Cell 8 & 9		13:00	0		4	2,635
						210	0
4	Sta 540+00 to	600+00	19:44	29		51	256
	Cell 8 & 9		20:13	0		0	2,635
						176	0
OC NADDATI	\					176	0

**GENERAL COMMENTS** 

CONTRACTOR CERTIFICATION	material used a	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						

			QUA	LITY	CONTR	OL REPO	ORT-HOPPER DRED	GE		PA	AGE NO.		Page 51 of 279
CONTRACT NO		CONTRACT TI					CONTRACTOR			RE	PORT NO.		
W91278-14-D		Maintenance I	Oredging o	of Mob	ile Harbo	r	Dutra Dredging Com	pany					30
CHARACTER C REPORT	)F	X MAINTEN	NANCE		NEW \	WORK					<b>ATE</b> 07/09/2014		
DRE	OGE	HOPF	ER CAP:			4487 CY	AVG VOL OF BIN WA	ΓER:	4487 CY	AVG (	UNFILLED CAP	<b>)</b> :	0 CY
Glenn E	Edwards	NO. OF CF MEMBEF			DREDG	iΕ	OTHER PLANT	WORK SC	HEDULE	SHIFT	TS PER DAY	DA	YS PER WEEK
					18		5	DISPOSAL A	DEA LISE	OTV D	2 EPOSITED	CLIMI	7 ILATIVE AND QTY
LOCATI WOI		LOCATION CH		Sta 10	05+00 to	SED; STA 140+00 G	TO STA reen Side & 130 to 144		INLA OOL	GROS	S(CY)		OSIT FOR DA(CY)
		Mobile Ship Cha		red side		3500 FT	AVG WIDTH OF CUT	Cell 8 & 9	200 FT	AVG F	24,297   DIST TO DUMP	,	152,984 42 NM
CHARAC MATE		DENSITY OF M.	ATERIALS						1350	GMS/L			1350
		DENSITY OF W	ATER					ı	1012	GMS/LITER@		87 °F	
RIVER		MIN	0.00	TIME		00:00	MAX 0.00	TIME	00:00	GAGE	LOCATION U	SCG	
STA	GE	MIN	0.00	TIME	•	00:00	MAX 0.00	TIME	00:00	GAGE	DATUM M	ILLW	
WEATHER C	CONDITION	WEATHER					TEMP	VISIBILITY		WIND	-		
		Weather Caus	sed No Del	ay			73 °F / 91 °F	10 MI		17 MP			
		DRAFT						DISTRIBUT			MILES RUN		
	LIGHT		LOADED						AGITAT (MIN		DREDGE & HAUL (MIN		MILES RUN (NAUT MI)
FORWARD		13				26	<u></u>						
AFT		13 26 PUMPING:						00:00	0.	1:27	0.0		
DRAG DEPTH	RAG DEPTH MAX 0 MIN 0			0			TURNING:			00:00	00	0:06	0.0
INDICATORS L	AST CHECKED (	ON 07/03/20 <sup>-</sup>	14				TO DUMP:			00:00	1:	2:02	0.0
		0.700,20					CONNECTING:			00:00		0:00	0.0
AVERAGE SPE LOADING	ED OF DREDGE	DURING	F	T/MIN		0	DUMPING:			00:00		0:12	0.0
	ED OF DREDGE	DURING	F	T/MIN		0	DISCONNECTING:			00:00		0:00	0.0
	FUEL OIL CONSI	JMED		GAL		6,033	TO CUT: TOTALS:			00:00		0:13	0.0
GALLONS OF V	VATER CONSUM	ИED		GAL		936				00:00	24	4:00	0.0
	,	WORK PERFORI	MED.				NON-EFFECTIVE WOR		<u> </u>	00.00	T	<u> T</u>	
		AND HAULING			AGIT	ATING	TAKING ON FUEL AND TO AND FROM WHAR			00:00		0:00	0.0
NO.OF LOADS			AL AREA			L CYS	ANCHORAGE: LOSS DUE TO NATUR	AL		00:00		0:00	0.0
4	24,297	Cell	8 & 9		-	0	ELEMENTS: LOSS DUE TO TRAFFI	C AND		00:00		0:00	0.0
							BRIDGES MINOR OPERATING R	FPΔIRS		00:00		0:00	0.0
							TRANSFERRING BET			00:00		0:00	0.0
							WORKS LAY TIME:			00:00		0:00	0.0
		ATTENDANT PL	ANT				FIRE AND BOAT DRIL	I S:		00:00		0:00	0.0
IT	EM	NAME OF	NUMBER	₹	H.P.	HOURS	MISCELLANEOUS			00:00		0:00	0.0
Crew	/ Boat	Ag	gie		400	12:00	TOTALS			00:00		0:00	0.0
							LOST TIME:				<u>I</u>		
							MAJOR REPAIRS AND	1		00:00	0	0:00	0.0
							ALTERNATIONS CESSATION:			00:00	0	0:00	0.0
							COLLISIONS:			00:00	0	0:00	0.0
							TOTALS:			00:00	0	0:00	0.0
							TOTAL TIME/MILES:			00:00	2.	4:00	0.0
<u> </u>									1				

		QUALITY CONTROL	REPORT-HOPPER	DREDGE		PAGE NO.	Page 52 of 279	
CONTRACT NO	).	CONTRACT TITLE	CONTRACTO	OR		REPORT N	0.	
W91278-14-D	-0041 0001	Maintenance Dredging of Mobile Harbor	Dutra Dredgi	ng Company	30			
DREDGE NAME AND TYPE Glenn Edwards				<b>DATE</b> 07/09/201	4			
		-	LOADS			-		
LOAD NUMBER		DREDGING AREA DISPOSAL AREA	START TIME STOP TIME	PUMPING TURNING	DUI	DUMP MPING CUT	TOTAL TIME DREDGED AMOUNT AGITATED AMOUNT	
			(HH:MM)	(MIN)		ЛIN)	(MIN/CYS)	
1	Sta 105+00 to	140+00	00:00	1		181	186	
	Cell 8 & 9		00:01	0		4	8,099	
						0	0	
2	Sta 230+00 to	244+66	03:06	31		227	446	
	Cell 8 & 9		03:43	6		4	8,099	
						178	0	
3	Sta 105+00 to	140+00	10:32	26		227	473	
	Cell 8 & 9		10:58	0		4	8,099	
						216	0	
4	Sta 105+00 to	140+00	18:25	29		87	335	
	Cell 8 & 9		18:54	0		0	0	
						219	0	

**GENERAL COMMENTS** 

CONTRACTOR CERTIFICATION	material used a	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						

			QUA	ALITY	CONTR	OL REPO	ORT-HO	PPER DREDG	βE		PA	GE NO.		Page 53 of 279
CONTRACT NO		CONTRACT TI						TRACTOR			RE	PORT NO.		
W91278-14-D CHARACTER O		Maintenance I		of Mob			Dutra	Dredging Comp	any			TE.		31
REPORT	•	X MAINTEN	NANCE		NEW V	VORK	1					07/10/2014		
DRED	GE		PER CAP:			4487 CY	AVG VOL OF BIN WATER: 4487 CY		AVG (	JNFILLED CAP	:	0 CY		
Glenn E	dwards	NO. OF CF MEMBER			DREDG	E	OTH	HER PLANT	WORK SCI	HEDULE	SHIFT	S PER DAY	DA	YS PER WEEK
LOCATIO	ON OF	LOCATION CH	IANNEL	REAC	18 H DREDG	SED; STA	TO STA	5	DISPOSAL A	REA USE				7 JLATIVE AND QTY
WOF		Mobile Ship Cha	nnel		05+00 to 1			e & 230 to 244	Cell 8 & 9		GROS	S(CY) 24,298	DEP	OSIT FOR DA(CY) 177,282
		AVG LENGTH	OF CUT		3500 FT AVG WIDTH OF CUT 200 FT			AVG E	DIST TO DUMP		42 NM			
CHARAC	DENSITY OF MATERIALS 1350				GMS/L	ITER		1350						
MATER	RIAL	DENSITY OF W	ATER							1012	GMS/L	ITER@		87 °F
RIVER/	TIDE	MIN	0.00	TIME		00:00	MAX	0.00	TIME	00:00	GAGE	LOCATION US	scg	
STAC	GE	MIN	0.00	TIME		00:00	MAX	0.00	TIME	00:00 GA		DATUM M	LLW	
WEATHER C	ONDITION	WEATHER					TEMP		VISIBILITY		WIND	-		
		Weather Caus	sed No Del	ay			73	73 °F / 90 °F   10 MI   30  DISTRIBUTION OF TIME A			30 MP			
		DRAFT							DISTRIBUT	AGITA		DREDGE 8	<del></del>	MILES RUN
	LIGHT		LOADED					TIVE WORKING	TIME	(MIN)		HAUL (MIN		(NAUT MI)
FORWARD		13				26	PUMPIN		ORKING TIME:			00:00 0		0.0
AFT		13				26	TURNIN						0:00	0.0
DRAG DEPTH	MAX 0		MIN	1 0			TO DUN				00:00		2:57	0.0
INDICATORS LA	AST CHECKED (	ON 07/03/20	14				CONNECTING:		00:00		0:00	0.0		
AV (50 A 05 005)		D. IDINIO		- a I			DUMPI				00:00		0:12	0.0
LOADING	ED OF DREDGE			T/MIN		0	DISCON	NNECTING:			00:00	00	0:00	0.0
AGITATING	ED OF DREDGE		F	T/MIN		0	TO CUT	 Γ:			00:00	09	9:35	0.0
	UEL OIL CONSI			GAL		6,249	TOTALS	S:			00:00	24	4:00	0.0
GALLONS OF V	VATER CONSUM	ИED		GAL		1,092	NON-E	FFECTIVE WOR	KING TIME:					
	1	WORK PERFORI	MED				TAKING	ON FUEL AND	SUPPLIES		00:00	00	0:00	0.0
	DREDGING A	AND HAULING			AGIT	ATING	TO AND	FROM WHARF RAGE:	OR		00:00	00	0:00	0.0
NO.OF LOADS 4	TOTAL CYS 24,298	DISPOS. Cell	AL AREA 8 & 9			L CYS	ELEME				00:00	00	0:00	0.0
							LOSS D BRIDGE	OUE TO TRAFFICES	CAND		00:00	00	0:00	0.0
								OPERATING RETAIL			00:00	00	0:00	0.0
							WORKS	FERRING BETW	VEEN		00:00	00	0:00	0.0
		ATTENDANT PL	ANT				LAY TIN				00:00		0:00	0.0
IT	EM	NAME OF	NUMBER	2	H.P.	HOURS		ND BOAT DRILL	.S:		00:00		0:00	0.0
Crew	Boat	Ag	gie		400	12:00		LANEOUS			00:00		0:00	0.0
							TOTALS				00:00	00	0:00	0.0
							LOST T MAJOR	REPAIRS AND			00:00	0.0	0:00	0.0
								NATIONS			00:00		0:00	0.0
							COLLIS				00:00		0:00	0.0
							TOTALS				00:00		0:00	0.0
								TIME/MILES:			00:00		4:00	0.0
		<u> </u>					L <u></u>							

		QUALITY CONTROL	REPORT-HOPPER	DREDGE		PAGE NO.	Page 54 of 279
CONTRACT NO	).	CONTRACT TITLE	CONTRACTO	OR		REPORT NO	).
W91278-14-E	0-0041 0001	Maintenance Dredging of Mobile Harbor	Dutra Dredgi	ng Company		31	
DREDGE		NAME AND TYPE Glenn Edwards			<b>DATE</b> 07/10/2014		
			LOADS			•	
LOAD NUMBER		DREDGING AREA DISPOSAL AREA	START TIME STOP TIME	PUMPING TURNING	DUI	DUMP MPING CUT	TOTAL TIME DREDGED AMOUNT AGITATED AMOUNT
			(HH:MM)	(MIN)		ЛIN)	(MIN/CYS)
1	Sta 105+00 to	140+00	00:00	1		160	165
	Cell 8 & 9		00:01	0		4	8,082
						0	0
2	Sta 105+00 to	140+00	02:45	24		259	477
	Cell 8 & 9		03:09	0		4	8,117
						190	0
3	Sta 230+00 to 2	244+66	10:42	24		221	435
ŭ	Cell 8 & 9		11:06	0		4	8,099
						186	0
4	Sta 230+00 to 2	244+66	17:57	27		137	363
•	Cell 8 & 9		18:24	0		0	0
	2511000					199	0

**GENERAL COMMENTS** 

CONTRACTOR CERTIFICATION	material used a	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						

			QUA	LITY	CONTR	OL REPO	ORT-HOPPER DRED	3E		PA	GE NO.		Page 55 of 279
CONTRACT NO		CONTRACT TI					CONTRACTOR			RE	PORT NO.		
W91278-14-D		Maintenance I	Oredging o	of Mob	ile Harbo	r	Dutra Dredging Comp	oany					31
CHARACTER C REPORT	)F	X MAINTEN	NANCE		NEW \	WORK					ATE 07/10/2014		
DRED	OGE	HOPE	ER CAP:			4487 CY	AVG VOL OF BIN WATER: 4487 CY		AVG (	JNFILLED CAP	:	0 CY	
Colu	mbia	NO. OF CF MEMBER			DREDG	iΕ	OTHER PLANT	WORK SCI	HEDULE	SHIFT	S PER DAY	DA	YS PER WEEK
					15		2	DISPOSAL A	DEA LIGE	OTV D	2 EPOSITED	SI INALI	7 ILATIVE AND QTY
LOCATION WOR		LOCATION CH				GED; STA	TO STA		NEA OOL	GROS	S(CY)		OSIT FOR DA(CY)
		Mobile Ship Cha		Sta 54	10+00 to 6	600+00 6000 FT	AVG WIDTH OF CUT	Cell 8 & 9	400 FT	AVG F	7,905 <u> </u> DIST TO DUMP		150,195 33 NM
						000011	AVG WIDTH OF COT						
CHARACTER OF MATERIAL DENSITY OF M		ATERIALS						1470	GMS/L	ITER		1470	
,	DENSITY OF WATER		ATER						1012	GMS/L	ITER@		87 °F
RIVER	TIDE	MIN	0.00	TIME		00:00	MAX 0.00	0.00 TIME 00:00		GAGE	LOCATION Do	og Riv	rer
STA	GE	MIN	0.00	TIME		00:00	MAX 0.00	AX 0.00 TIME 00:00		GAGE	DATUM M	LLW	
WEATHER C	CONDITION	WEATHER	-				TEMP VISIBILITY			WIND			
		Weather Caus	sed No Dela	ay			73 °F / 90 °F	10 MI		30 MP			
		DRAFT						DISTRIBUT			MILES RUN		
	LIGHT		LOADED						AGITAT (MIN		DREDGE & HAUL (MIN		MILES RUN (NAUT MI)
FORWARD		6				17	EFFECTIVE WORKING	FFECTIVE WORKING TIME:			_		
AFT		9				17	PUMPING:				0.	1:13	0.0
DRAG DEPTH	DRAG DEPTH MAX 0 MIN 0			0			TURNING:			00:00	00	0:00	0.0
INDICATORS I	AST CHECKED (	ON 06/25/20	1.4				TO DUMP:			00:00	12	2:32	0.0
INDICATORS	AOT CHECKED	JIN 00/23/20	14				CONNECTING:			00:00	00	0:00	0.0
	ED OF DREDGE	DURING	F7	Γ/ΜΙΝ		0	DUMPING:			00:00	00	0:16	0.0
	ED OF DREDGE	DURING	F	Γ/ΜΙΝ		0	DISCONNECTING:			00:00	00	0:00	0.0
AGITATING GALLONS OF F	UEL OIL CONSI	JMED		GAL		3 022	TO CUT:			00:00		9:59	0.0
GALLONS OF V	VATER CONSUM	ИED		GAL		934	TOTALS:			00:00	24	4:00	0.0
		WORK BEREAR	AED			334	NON-EFFECTIVE WOF		П		1		
		WORK PERFORI	MED				TAKING ON FUEL AND TO AND FROM WHAR			00:00	-	0:00	0.0
NO.OF LOADS		AND HAULING	AL AREA			L CYS	ANCHORAGE: LOSS DUE TO NATUR			00:00		0:00	0.0
5	7,905		8 & 9			0	ELEMENTS: LOSS DUE TO TRAFFI			00:00		0:00	0.0
							BRIDGES			00:00		0:00	0.0
							MINOR OPERATING R TRANSFERRING BET\			00:00		0:00	0.0
							WORKS			00:00		0:00	0.0
		ATTENDANT PL	ANT				LAY TIME:			00:00	<b>_</b>	0:00	0.0
ІТ	ЕМ	NAME OF	NUMBER	ł	H.P.	HOURS	FIRE AND BOAT DRILL	_S:		00:00		0:00	0.0
40' Cre	ewboat	Cape	Anne		400	12:00	MISCELLANEOUS			00:00	-	0:00	0.0
							TOTALS			00:00	00	0:00	0.0
							LOST TIME: MAJOR REPAIRS AND			00.00	1 0	2:00	0.0
							ALTERNATIONS			00:00	-	0:00	0.0
							CESSATION:			00:00		0:00	0.0
							COLLISIONS:			00:00	-	0:00	0.0
							TOTAL TIME/MILES:			00:00		0:00	0.0
							TOTAL TIME/MILES:			00:00	1	4:00	0.0

		QUALITY CONTROL	REPORT-HOPPER	DREDGE		PAGE NO.	Page 56 of 279
CONTRACT NO	).	CONTRACT TITLE	CONTRACTO	OR		REPORT N	
W91278-14-E	0-0041 0001	Maintenance Dredging of Mobile Harbor	Dutra Dredgi	ng Company			31
DREDGE NAME AND TYPE Columbia						<b>DATE</b> 07/10/201	4
			LOADS		<u>_</u>		
LOAD NUMBER		DREDGING AREA DISPOSAL AREA	START TIME STOP TIME (HH:MM)	PUMPING TURNING (MIN)	DUM TO	DUMP IPING CUT IIN)	TOTAL TIME DREDGED AMOUNT AGITATED AMOUNT (MIN/CYS)
1	Sta 540+00 to	0 600+00	00:00	1		162	167
•	Cell 8 & 9		00:01	0		4	0
	0011000					0	0
2	Sta 540+00 to	0 600+00	02:47	24	2	207	404
	Cell 8 & 9		03:11	0		4	2,635
					1	169	0
3	Sta 540+00 to	0 600+00	09:31	21	1	187	404
	Cell 8 & 9		09:52	0		4	2,635
					1	192	0
4	Sta 540+00 to	0 600+00	16:15	26	1	196	430
	Cell 8 & 9		16:41	0		4	2,635
					2	204	0
5	Sta 540+00 to	0 600+00	23:25	1		0	35
	Cell 8 & 9		23:26	0		0	0
					;	34	0

**GENERAL COMMENTS** 

CONTRACTOR CERTIFICATION	material used ar	is Report is complete and correct a his Reporting period are in complia knowledge, except as noted above.	nce with the contract	
QC REPRESENTATIVE'S SIGNATURE		DATE	SUPERINTENDENT'S INITIALS	DATE

			QUA	LITY	CONTR	OL REPO	ORT-HOPPER DREDO	3E		PA	GE NO.		Page 57 of 279
CONTRACT NO		CONTRACT TI	TLE				CONTRACTOR			RE	PORT NO.		
W91278-14-D		Maintenance I	Oredging o	of Mobi	ile Harbo	r	Dutra Dredging Comp	oany					32
CHARACTER O REPORT	F	X MAINTEN	NANCE		NEW V	VORK					ATE 07/11/2014		
DRED	GE	HOPF	ER CAP:			4487 CY	AVG VOL OF BIN WATER: 4487 CY		4487 CY	AVG L	JNFILLED CAP	:	0 CY
Colu	mbia	NO. OF CF MEMBEF			DREDG 15	E	OTHER PLANT	WORK SCHEDULE		SHIFT	S PER DAY	DA	YS PER WEEK
LOCATIO	ON OF	LOCATION CH	IANNEL	REAC		SED; STA		DISPOSAL A		QTY DEPOSITED CUMULATIVE AN			JLATIVE AND QTY
WOF	RK	Mobile Ship Cha	ınnel	Sta 54	0+00 to 6	00+00		Cell 8 & 9		10,540			OSIT FOR DA(CY) 160,735
		AVG LENGTH	OF CUT			6000 FT	AVG WIDTH OF CUT		400 FT	AVG D	DIST TO DUMP		33 NM
CHARAC		DENSITY OF M.	ATERIALS				1470 G			GMS/LI	ITER		1470
MATER	RIAL	DENSITY OF W	ATER					1012 GI			ITER@		87 °F
RIVER/		MIN	0.00	TIME		00:00	MAX 0.00	TIME	00:00	GAGE I	LOCATION Do	g Riv	/er
STAC	<b>,</b>	MIN	0.00	TIME		00:00	MAX 0.00	0.00 TIME 00:00 G/			DATUM MI	LLW	
WEATHER C	ONDITION	WEATHER					TEMP						
		Weather Caus  DRAFT	sea No Dei	ay			73°F/90°F	73 °F / 90 °F   10 MI   20  DISTRIBUTION OF TIME					
	LIGHT		LOADED						AGITATI (MIN		DREDGE 8 HAUL (MIN		MILES RUN (NAUT MI)
FORWARD		6				17	EFFECTIVE WORKING	FFECTIVE WORKING TIME:			TIAOL (WIIV		(IVACT IVII)
AFT		9				17	PUMPING:				01	1:46	0.0
DRAG DEPTH	MAX 0	TURNING:					00:00	00	0:18	0.0			
DIVIO DEI III	W/OC O		101114	-			TO DUMP:			00:00	10	D:11	0.0
INDICATORS LA	AST CHECKED (	ON 06/25/20 <sup>-</sup>	14				CONNECTING:			00:00	00	0:00	0.0
AVERAGE SPE	ED OF DREDGE	DURING	F	T/MIN			DUMPING:			00:00	00	0:12	0.0
LOADING	ED OF DREDGE			T/MIN		0	DISCONNECTING:			00:00	00	0:00	0.0
AGITATING	UEL OIL CONSU			GAL		0	TO CUT:			00:00	11	1:25	0.0
	ATER CONSUM			GAL			TOTALS:			00:00	23	3:52	0.0
GALLONS OF V	VATER CONSON			GAL		968	NON-EFFECTIVE WOR	RKING TIME:					
	\	WORK PERFOR	MED				TAKING ON FUEL AND			00:00	00	0:00	0.0
		ND HAULING				ATING	TO AND FROM WHARI ANCHORAGE:			00:00	00	0:00	0.0
NO.OF LOADS 4	TOTAL CYS 10,540		AL AREA 3 & 9			L CYS	LOSS DUE TO NATURA ELEMENTS:			00:00	00	0:00	0.0
							LOSS DUE TO TRAFFI BRIDGES	C AND		00:00	00	0:00	0.0
							MINOR OPERATING R			00:00	00	0:08	0.0
							TRANSFERRING BETV WORKS	VEEN		00:00	00	0:00	0.0
		ATTENDANT PL	ANT				LAY TIME:			00:00	00	0:00	0.0
IT	EM	NAME OF	NUMBER	R	H.P.	HOURS	FIRE AND BOAT DRILL	_S:		00:00	00	0:00	0.0
40' Cre	wboat	Cape	Anne		400	12:00	MISCELLANEOUS			00:00	00	0:00	0.0
							TOTALS			00:00	00	80:0	0.0
							LOST TIME:				<del></del>		
							MAJOR REPAIRS AND ALTERNATIONS			00:00	00	0:00	0.0
							CESSATION:			00:00	00	0:00	0.0
							COLLISIONS:			00:00	00	0:00	0.0
							TOTALS:			00:00		0:00	0.0
							TOTAL TIME/MILES:			00:00	24	4:00	0.0

		QUALITY CONTRO	L REPORT-HOPPER	DREDGE		PAGE NO.	Page 58 of 279
CONTRACT NO	).	CONTRACT TITLE	CONTRACT	OR		REPORT NO	
W91278-14-D	-0041 0001	Maintenance Dredging of Mobile Harbor	Dutra Dredgi	ng Company			32
DREDGE		NAME AND TYPE Columbia		<b>DATE</b> 07/11/2014			
		-	LOADS				
LOAD NUMBER		DREDGING AREA DISPOSAL AREA	START TIME STOP TIME	PUMPING TURNING	DUN	DUMP MPING CUT	TOTAL TIME DREDGED AMOUNT AGITATED AMOUNT
			(HH:MM)	(MIN)		ЛIN)	(MIN/CYS)
1	1 Sta 540+00 to 600+00		00:00	28		212	377
	Cell 8 & 9		00:28	0		4	2,635
						133	0
2	Sta 540+00 to	600+00	06:17	24		204	398
	Cell 8 & 9		06:41	0		4	2,635
	0000					166	0
3	Sta 540+00 to	600+00	12:55	25		178	407
	Cell 8 & 9		13:30	10		4	2,635
	25000					190	0
4	Sta 540+00 to	600+00	19:50	29		17	250
•	Cell 8 & 9		20:27	8		0	2,635
	25000					196	0

## **GENERAL COMMENTS**

1432 Minutes @ 100% 8 Minutes @ 0% Minor repairs

CONTRACTOR CERTIFICATION	material used an	nd work performed during t	is Report is complete and correct a his Reporting period are in complia knowledge, except as noted above.	nce with the contract
QC REPRESENTATIVE'S SIGNATURE		DATE	SUPERINTENDENT'S INITIALS	DATE

			QUA	LITY	CONTR	OL REPO	ORT-HOPPER DREDO	<b>GE</b>		PA	AGE NO.		Page 59 of 279
CONTRACT NO	).	CONTRACT TI	TLE				CONTRACTOR			RE	PORT NO.		_
W91278-14-D		Maintenance I	Oredging o	of Mob	ile Harbo	r	Dutra Dredging Comp	oany					32
CHARACTER O	F	X MAINTEN	IANCE		NEW V	WORK					ATE 07/11/2014		
DRED	GE	HOPF	ER CAP:			4487 CY	AVG VOL OF BIN WATER: 4487 CY		4487 CY	AVG (	JNFILLED CAP	:	0 CY
Glenn E	Edwards	NO. OF CF MEMBEF			DREDG 18	iΕ	OTHER PLANT	WORK SCH	HEDULE	SHIFT	rs per day	DAYS PER WEEK	
LOCATION		LOCATION CH			05+00 to	GED; STA 140+00 G	TO STA reen Side & 230 to 244	DISPOSAL A		w			JLATIVE AND QTY OSIT FOR DA(CY) 209,679
		AVG LENGTH		.00 0.0		3500 FT	AVG WIDTH OF CUT	1	200 FT	AVG E	DIST TO DUMP		42 NM
CHARAC <sup>*</sup>	TER OF	DENSITY OF M	ATERIALS					1350 G			ITER		1350
MATER	RIAL	DENSITY OF W	ATER					1012 GI			ITER@		87 °F
RIVER/		MIN	0.00	TIME		00:00	MAX 0.00	TIME	00:00	GAGE	LOCATION US	SCG	
STAC	GE	MIN	0.00	TIME	-	00:00	MAX 0.00	0.00 TIME 00:00 G			DATUM MI	LLW	
WEATHER C	ONDITION	WEATHER Weather Caus	ed No Del	av						WIND 20 MP	———		
		DRAFT	,ou 110 Doi	uy			72 °F / 90 °F   10 MI   20  DISTRIBUTION OF TIME.						
	LIGHT		LOADED						AGITATI (MIN)		DREDGE 8 HAUL (MIN		MILES RUN (NAUT MI)
FORWARD		13				26	EFFECTIVE WORKING TIME:			<u> </u>	TIN TOE (WIII V	,	(10/10/1 1011)
AFT		13				26	PUMPING:	MPING:			01	1:08	0.0
DRAG DEPTH	MAX 0		MIN 0 TURNING:					00:00	00	0:00	0.0		
							TO DUMP:			00:00	12	2:39	0.0
INDICATORS LA	AST CHECKED (	ON 07/03/20 <sup>2</sup>	14				CONNECTING:			00:00	00	0:00	0.0
	ED OF DREDGE	DURING	F	T/MIN		0	DUMPING:			00:00	00	0:16	0.0
	ED OF DREDGE	DURING	F	T/MIN		0	DISCONNECTING:			00:00	00	0:00	0.0
AGITATING GALLONS OF F	UEL OIL CONSU	JMED		GAL		6.031	TO CUT:			00:00		9:30	0.0
GALLONS OF V	VATER CONSUM	MED		GAL		1,092	TOTALS:			00:00	23	3:33	0.0
		WORK PERFORI	4ED			1,032	NON-EFFECTIVE WOF					<del></del>	
			MED.		4017	4.TING	TAKING ON FUEL AND TO AND FROM WHARI			00:00		0:00	0.0
NO.OF LOADS	TOTAL CYS	ND HAULING	AL AREA			L CYS	ANCHORAGE: LOSS DUE TO NATUR			00:00		0:00	0.0
5	32,397		3 & 9			0	ELEMENTS: LOSS DUE TO TRAFFI			00:00		0:00	0.0
							BRIDGES			00:00		0:27	0.0
							MINOR OPERATING R TRANSFERRING BETV			00:00		0:00	0.0
							WORKS	VLLIN		00:00		0:00	0.0
		ATTENDANT PL	ANT				LAY TIME:			00:00		0:00	0.0
IT	ЕМ	NAME OF	NUMBER	2	H.P.	HOURS	FIRE AND BOAT DRILL	_S:		00:00		0:00	0.0
Crew	Boat	Ag	gie		400	12:00	MISCELLANEOUS			00:00		0:00	0.0
							TOTALS			00:00	00	0:27	0.0
							LOST TIME: MAJOR REPAIRS AND			05 **			
							ALTERNATIONS			00:00		0:00	0.0
							CESSATION:			00:00		0:00	0.0
							COLLISIONS:			00:00		0:00	0.0
							TOTALS:			00:00		0:00	0.0
							TOTAL TIME/MILES:			00:00	24	4:00	0.0

		QUALITY CONTRO	L REPORT-HOPPER	DREDGE		PAGE NO.	
							Page 60 of 279
CONTRACT NO	).	CONTRACT TITLE	CONTRACT	OR	REPORT NO.		
W91278-14-D	-0041 0001	Maintenance Dredging of Mobile Harbor	Dutra Dredg	ing Company			32
DREDGE		NAME AND TYPE				DATE	
DILEBOE		Glenn Edwards				07/11/2014	ļ
			LOADS				
LOAD NUMBER		DREDGING AREA DISPOSAL AREA	START TIME STOP TIME	PUMPING TURNING	DUM TO	DUMP MPING CUT	TOTAL TIME DREDGED AMOUNT AGITATED AMOUNT
	Sta 230+00 to	2//±66	(HH:MM) 00:00	(MIN)		MIN) 90	(MIN/CYS) 95
1		244100	00:00	0		4	8,135
	Cell 8 & 9		00.01			0	0
2	Sta 230+00 to	244+66	01:35	22		237	445
	Cell 8 & 9		01:57	0		4	8,099
						182	0
3	Sta 230+00 to	244+66	09:07	22		214	423
	Cell 8 & 9		09:29	0		4	8,064
						183	0
4	Sta 230+00 to	244+66	16:10	22		218	446
	Cell 8 & 9		16:32	0		4	8,099
						202	0
5	Sta 230+00 to	244+66	23:56	1		0	4
	Cell 8 & 9		23:57	0		0	0
						3	0

## QC NARRATIVE(S)

## **GENERAL COMMENTS**

1413 Minutes @ 100% 27 Minutes @ 70% Traffic

CONTRACTOR CERTIFICATION	material used ar	nd work performed during t	is Report is complete and correct a his Reporting period are in complia knowledge, except as noted above.	nce with the contract
QC REPRESENTATIVE'S SIGNATURE	1	DATE	SUPERINTENDENT'S INITIALS	DATE

			QUA	ALITY	CONTR	OL REPO	ORT-HOP	PER DREDG	βE		PA	GE NO.		Page 61 of 279
CONTRACT NO		CONTRACT TI		- 6 M - L-	: : :	_		RACTOR			RE	PORT NO.		
W91278-14-D CHARACTER O		Maintenance I		dolw to			Dutra L	Oredging Comp	any		DA	ATE	—	33
REPORT		X  MAINTEN	NANCE		NEW V	VORK	ı					07/12/2014		
DRED	GE		ER CAP:			4487 CY	AVG VO	L OF BIN WAT	ER:	4487 CY	AVG U	JNFILLED CAP	:	0 CY
Colu	mbia	NO. OF CF MEMBEF			DREDG	E	OTHE	ER PLANT	WORK SCI	HEDULE	SHIFT	S PER DAY	DA	YS PER WEEK
LOCATIO	ON OF	LOCATION CH	IANNEL	REAC	15 H DREDG	SED; STA	L TO STA	2	DISPOSAL A	REA USE				7 JLATIVE AND QTY
WOF		Mobile Ship Cha	nnel	Sta 54	0+00 to 6	00+00			Cell 8 & 9		GROSS	S(CY) 7,905	DEP	OSIT FOR DA(CY) 168,640
		AVG LENGTH	OF CUT			6000 FT	AVG WI				AVG D	DIST TO DUMP		33 NM
CHARAC	TER OF	DENSITY OF M	ATERIALS	3						1470	GMS/LI	ITER		1470
MATER		DENSITY OF W	ATER							1012	GMS/LI	TER@		87 °F
RIVER/	TIDE	MIN	0.00	TIME		00:00	MAX	0.00	TIME	00:00	GAGE	LOCATION Do	og Riv	/er
STAC		MIN	0.00	TIME		00:00	MAX	0.00	TIME	00:00	GAGE	DATUM M	LLW	
WEATHER C	ONDITION	WEATHER					TEMP		VISIBILITY W					
		Weather Caus	sed No Del	lay			73 °	73 °F / 93 °F   10 MI   14  DISTRIBUTION OF TIME A			14 MP			
		DRAFI							DISTRIBUT	AGITA		DREDGE 8	₹ T	MILES RUN
	LIGHT		LOADED				EEEEOTI	(MIN)				HAUL (MIN		(NAUT MI)
FORWARD		6				17	PUMPING: 00			00:00	<u> </u>	1:23	0.0	
AFT		TURNING: 0				00:00		0:00	0.0					
DRAG DEPTH	DEPTH MAX 0 MIN			1 0			TO DUM				00:00		2:52	0.0
INDICATORS LA	TORS LAST CHECKED ON 06/25/2014 CONNECTING:						00:00	-	0:00	0.0				
A) (ED A OE ODE)		DUDING		T/8 415 1 T			DUMPIN	G:			00:00		0:16	0.0
LOADING	ED OF DREDGE			T/MIN		0	DISCON	NECTING:			00:00	0(	0:00	0.0
AVERAGE SPEI AGITATING			F	T/MIN		0	TO CUT:				00:00	06	9:29	0.0
	UEL OIL CONSU			GAL		2,848	TOTALS:	:			00:00	24	4:00	0.0
GALLONS OF V	VATER CONSUM	/IED		GAL		712	NON-EFF	ECTIVE WOR	KING TIME:					
	'	WORK PERFORI	MED				TAKING	ON FUEL AND	SUPPLIES		00:00	00	0:00	0.0
		ND HAULING				ATING	ANCHOR				00:00	00	0:00	0.0
NO.OF LOADS 5	TOTAL CYS 7,905		AL AREA 8 & 9			L CYS 0	ELEMEN				00:00	00	0:00	0.0
							LOSS DU BRIDGES	JE TO TRAFFIO S	CAND		00:00	00	0:00	0.0
								PERATING RE			00:00	00	0:00	0.0
							TRANSF WORKS	ERRING BETW	/EEN		00:00	00	0:00	0.0
		ATTENDANT PL	ANT				LAY TIMI	E:			00:00	00	0:00	0.0
IT	EM	NAME OF	R NUMBER	₹	H.P.	HOURS	FIRE AN	D BOAT DRILL	S:		00:00	00	0:00	0.0
40' Cre	ewboat	Cape	Anne		400	12:00	MISCELL	ANEOUS			00:00	00	0:00	0.0
							TOTALS				00:00	00	0:00	0.0
							LOST TIN	ME: REPAIRS AND						
							ALTERNA	ATIONS			00:00	-	0:00	0.0
							CESSAT				00:00		0:00	0.0
							COLLISIO				00:00	-	0:00	0.0
							TOTALS:				00:00		0:00	0.0
							TOTALT	IME/MILES:			00:00		4:00	0.0

		QUALITY CONTROL	REPORT-HOPPER	DREDGE		Page 62 of 279
CONTRACT NO	).	CONTRACT TITLE	CONTRACT	OR	REPORT N	10.
W91278-14-D	0-0041 0001	Maintenance Dredging of Mobile Harbor	Dutra Dredgi	ng Company		33
DREDGE		NAME AND TYPE Columbia			<b>DATE</b> 07/12/20	14
			LOADS		<u>,</u>	
LOAD NUMBER		DREDGING AREA DISPOSAL AREA	START TIME STOP TIME	PUMPING TURNING	TO DUMP DUMPING TO CUT	TOTAL TIME DREDGED AMOUNT AGITATED AMOUNT
			(HH:MM)	(MIN)	(MIN)	(MIN/CYS)
1	Sta 540+00 to	600+00	00:00	1	179	184
	Cell 8 & 9		00:01 0		4	0
					0	0
2	Sta 540+00 to	600+00	03:04	31	211	423
	Cell 8 & 9		03:35	0	4	2,635
					177	0
3	Sta 540+00 to	600+00	10:07	25	189	393
	Cell 8 & 9		10:32	0	4	2,635
					175	0
4	Sta 540+00 to	600+00	16:40	25	193	416
	Cell 8 & 9		17:05	0	4	2,635
					194	0
5	Sta 540+00 to	600+00	23:36	1	0	24
-	Cell 8 & 9		23:37	0	0	0
					23	0

QC NARRATIVE(S)

**GENERAL COMMENTS** 

CONTRACTOR CERTIFICATION	material used a	and work performed during t	is Report is complete and correct a his Reporting period are in complia knowledge, except as noted above.	nce with the contract
QC REPRESENTATIVE'S SIGNATURE		DATE	SUPERINTENDENT'S INITIALS	DATE

			QUA	ALITY	CONTR	OL REPO	ORT-HOPPER DRED	GE		PA	AGE NO.		Page 63 of 279
CONTRACT NO		CONTRACT TI	TLE				CONTRACTOR			RE	PORT NO.		
W91278-14-D		Maintenance I	Oredging o	of Mobi	ile Harbo	<b>r</b>	Dutra Dredging Comp	oany					33
CHARACTER O REPORT	F	X MAINTEN	IANCE		NEW V	VORK					ATE 07/12/2014		
DRED	GE	HOPF	ER CAP:			4487 CY	AVG VOL OF BIN WATER: 4487 CY		4487 CY	AVG L	JNFILLED CAP:	:	0 CY
Glenn E	dwards	NO. OF CF MEMBEF			DREDG 18	E	OTHER PLANT	WORK SCI	HEDULE	SHIFT	rs per day	DA	AYS PER WEEK
LOCATIO WOR		LOCATION CH			05+00 to	GED; STA 140+00 G	STA DISPOSAL AREA USE C			QTY DI GROS		CUMULATIVE AND QTY DEPOSIT FOR DA(CY)	
		AVG LENGTH	-			3500 FT	AVG WIDTH OF CUT	•	200 FT	AVG D	DIST TO DUMP		42 NM
CHARAC	TER OF	DENSITY OF M	ATERIALS	i					1350	GMS/LI	ITER		1350
MATER	RIAL	DENSITY OF W	ATER						1012	GMS/LI	ITER@		87 °F
RIVER/		MIN	0.00	TIME		00:00	MAX 0.00	TIME	00:00	GAGE	LOCATION US	3CG	
STAC	jE	MIN	0.00	TIME		00:00	MAX 0.00	TIME	00:00	GAGE	DATUM ML	LLW	
WEATHER C	ONDITION	WEATHER Weather Caus	and No Dol	0.4						WIND 14 MPI			
		DRAFT	sed NO Dei	ay			73 F/0 F	•	•		MILES RUN		
	LIGHT		LOADED				AGITATING (MIN)				DREDGE 8 HAUL (MIN		MILES RUN (NAUT MI)
FORWARD		13				26	EFFECTIVE WORKING TIME:				TIAOL (WIIV		(IVAOT IVII)
AFT		13				26	PUMPING: 00			00:00	01	1:22	0.0
DRAG DEPTH	MAX 0 MIN 0 TURNING:				00:00	00	0:10	0.0					
	OT 011501/5D (	NI					TO DUMP:			00:00	11	1:21	0.0
INDICATORS LA	AST CHECKED (	ON 07/03/20 <sup>2</sup>	14				CONNECTING:			00:00	00	0:00	0.0
AVERAGE SPE	ED OF DREDGE	DURING	F	T/MIN		0	DUMPING:			00:00	00	0:12	0.0
	ED OF DREDGE	DURING	F	T/MIN		0	DISCONNECTING:			00:00	00	0:00	0.0
AGITATING GALLONS OF F	UEL OIL CONSU	JMED		GAL		5 865	TO CUT:			00:00		0:35	0.0
GALLONS OF V	ATER CONSUM	MED		GAL		936	TOTALS:			00:00	23	3:40	0.0
		WORK PERFORM	//ED				NON-EFFECTIVE WOR			00.00	T ~	]	
		ND HAULING	nLD		AGIT	ATING	TAKING ON FUEL AND TO AND FROM WHAR			00:00		0:00	0.0
NO.OF LOADS	TOTAL CYS		AL AREA			L CYS	ANCHORAGE: LOSS DUE TO NATUR			00:00		0:00	0.0
4	24,315	Cell	3 & 9		(	0	ELEMENTS: LOSS DUE TO TRAFFI	C AND		00:00		0:00	0.0
							BRIDGES MINOR OPERATING R	EDAIDS		00:00		0:20	0.0
							TRANSFERRING BET\			00:00		0:00	0.0
							WORKS LAY TIME:			00:00		0:00	0.0
		ATTENDANT PL	ANT			ı	FIRE AND BOAT DRILI	S·		00:00		0:00	0.0
IT	EM	NAME OF	NUMBER	₹	H.P.	HOURS				00:00		0:00	0.0
Crew	Boat	Ag	gie		400	12:00	TOTALS			00:00	00	0:20	0.0
							LOST TIME:				<u> </u>		
							MAJOR REPAIRS AND			00:00	00	0:00	0.0
							ALTERNATIONS CESSATION:			00:00	00	0:00	0.0
							COLLISIONS:			00:00	00	0:00	0.0
							TOTALS:			00:00	00	0:00	0.0
							TOTAL TIME/MILES:			00:00	24	4:00	0.0

		QUALITY CONTROL	L REPORT-HOPPER	DREDGE		PAGE NO.	Page 64 of 279		
CONTRACT NO	).	CONTRACT TITLE	CONTRACTO	OR		REPORT NO.			
W91278-14-D	0-0041 0001	Maintenance Dredging of Mobile Harbor	Dutra Dredgi	ng Company					
DREDGE		NAME AND TYPE Glenn Edwards			<b>DATE</b> 07/12/2014				
			LOADS			•			
LOAD NUMBER			START TIME STOP TIME	PUMPING TURNING	DUI	DUMP MPING CUT	TOTAL TIME DREDGED AMOUNT AGITATED AMOUNT		
			(HH:MM)	(MIN)		ЛIN)	(MIN/CYS)		
1	Sta 230+00 to	244+66	00:00	25		234	446		
	Cell 8 & 9		00:25	0		4	8,117		
						183	0		
2	Sta 230+00 to	244+66	07:26	24		223	441		
	Cell 8 & 9		08:00	10		4	8,099		
						180	0		
3	Sta 105+00 to	140+00	15:07	32		224	493		
	Cell 8 & 9		15:39	0		4	8,099		
						233	0		
4	Sta 230+00 to	244+66	23:20	1		0	40		
	Cell 8 & 9		23:21	0		0	0		
						39	0		

## **GENERAL COMMENTS**

1420 Minutes @ 100% 20 Minutes @ 0% Loading Stores

CONTRACTOR CERTIFICATION	material used and w	On behalf of the contractor, I certify that this Report is complete and correct and all equipment and naterial 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	DAT	Ē	SUPERINTENDENT'S INITIALS	DATE							

			QUA	ALITY	CONTR	OL REPO	RT-HOPP	ER DREDG	βE		PA	GE NO.		Page 65 of 279
CONTRACT NO		CONTRACT TI					CONTRA				RE	PORT NO.		
W91278-14-D CHARACTER O		Maintenance I		of Mob			Dutra Dre	edging Comp	any		DA	.TE		34
REPORT	•	X MAINTEN	NANCE		NEW V	VORK	<u> </u>					)7/13/2014		
DRED	GE		PER CAP:			4487 CY	AVG VOL	OF BIN WAT	ER:	4487 CY	AVG L	JNFILLED CAP	:	0 CY
Colu	mbia	NO. OF CF MEMBER			DREDG	E		R PLANT	WORK SCI	HEDULE	SHIFT	S PER DAY	DA	YS PER WEEK
LOCATIO	ON OF	LOCATION CH	IANNEL	REAC	15 H DREDG	SED; STA		2	DISPOSAL A	REA USE				7 JLATIVE AND QTY
WOF		Mobile Ship Cha	nnel	Sta 54	0+00 to 6	00+00		Cell 8 & 9			GROS	5(CY) 10,540	DEP	OSIT FOR DA(CY) 179,180
		AVG LENGTH	OF CUT			6000 FT	AVG WIDT	TH OF CUT		400 FT	AVG D	DIST TO DUMP		33 NM
CHARAC <sup>-</sup>	TER OF	DENSITY OF M	ATERIALS	l						1470	GMS/LI	TER		1470
MATER		DENSITY OF W	ATER							1012	GMS/LI	TER@		87 °F
RIVER/	TIDE	MIN	0.00	TIME		00:00	MAX	0.00	TIME	00:00	GAGE	LOCATION Do	og Riv	/er
STAC	GE .	MIN	0.00	TIME		00:00	MAX	0.00	TIME	00:00	GAGE	DATUM MI	LLW	
WEATHER C	ONDITION	WEATHER					TEMP				WIND	<del>.</del>		
		Weather Caus	sed No Del	ay			77 °F / 89 °F   10 MI   18  DISTRIBUTION OF TIME A				18 MP			
										AGITA		DREDGE 8	<u>.                                     </u>	MILES RUN
FORWARD	LIGHT	6	LOADED			17	EFFECTIVE WORKING TIME:			۷)	HAUL (MIN	)	(NAUT MI)	
AFT		9				17				00:00	0	1:52	0.0	
	NAAV. O	•				17	TURNING:				00:00	00	0:00	0.0
DRAG DEPTH					TO DUMP:				00:00	1(	0:35	0.0		
INDICATORS LA	ICATORS LAST CHECKED ON 06/25/2014			CONNECT	ING:			00:00	00	0:00	0.0			
AVERAGE SPE	ED OF DREDGE	DURING	F.	T/MIN			DUMPING:	:			00:00	00	):12	0.0
LOADING AVERAGE SPEE				T/MIN		0	DISCONNE	ECTING:			00:00	00	0:00	0.0
AGITATING	UEL OIL CONSU			GAL		0	TO CUT:				00:00	11	1:21	0.0
	VATER CONSUN			GAL		2,871	TOTALS:				00:00	24	1:00	0.0
GALLONS OF V	VATER CONSOR			GAL		784	NON-EFFE	CTIVE WOR	KING TIME:					
		WORK PERFORI	MED					N FUEL AND			00:00	00	0:00	0.0
NO OF LOADS		AND HAULING				ATING	ANCHORA				00:00	00	0:00	0.0
NO.OF LOADS 4	TOTAL CYS 10,540		AL AREA 8 & 9			L CYS 0	ELEMENTS				00:00	00	0:00	0.0
							BRIDGES	TO TRAFFIC	C AND		00:00	00	0:00	0.0
								PERATING RI			00:00	00	0:00	0.0
							WORKS	RRING BETV	VEEN		00:00	00	0:00	0.0
		ATTENDANT PL	ANT				LAY TIME:				00:00	00	0:00	0.0
IT	ЕМ	NAME OF	R NUMBER	₹	H.P.	HOURS	FIRE AND	BOAT DRILL	.S:		00:00	00	0:00	0.0
40' Cre	ewboat	Cape	Anne		400	12:00	MISCELLA	NEOUS			00:00	00	0:00	0.0
							TOTALS				00:00	00	0:00	0.0
							LOST TIME	EPAIRS AND				1	. , . 1	
							ALTERNAT	TONS			00:00		0:00	0.0
							CESSATIO				00:00		0:00	0.0
							COLLISION	NS:			00:00		0:00	0.0
							TOTALS:	4E /\ 4'' E = -			00:00		0:00	0.0
							TOTAL TIM	/IE/MILES:			00:00	24	1:00	0.0

		QUALITY CONTRO	L REPORT-HOPPER	DREDGE		PAGE NO.	Page 66 of 279	
CONTRACT NO	).	CONTRACT TITLE	CONTRACT	OR		REPORT NO.		
W91278-14-D	-0041 0001	Maintenance Dredging of Mobile Harbor	Dutra Dredgi	ng Company			34	
DREDGE	NAME AND TYPE Columbia					<b>DATE</b> 07/13/2014		
			LOADS					
LOAD NUMBER		DREDGING AREA DISPOSAL AREA	START TIME STOP TIME	PUMPING TURNING	DUN	DUMP MPING CUT	TOTAL TIME DREDGED AMOUNT AGITATED AMOUNT	
			(HH:MM)	(MIN)		ΛIN)	(MIN/CYS)	
1	Sta 540+00 to	600+00	00:00	30		211	398	
	Cell 8 & 9		00:30	0		4	2,635	
						153	0	
2	Sta 540+00 to	600+00	06:38	27		205	395	
	Cell 8 & 9		07:05	0		4	2,635	
						159	0	
3	Sta 540+00 to	600+00	13:13	28		182	393	
	Cell 8 & 9		13:41	0		4	2,635	
	00.100.0					179	0	
4	Sta 540+00 to	600+00	19:46	27		37	254	
	Cell 8 & 9		20:13	0		0	2,635	
						190	0	

**GENERAL COMMENTS** 

CONTRACTOR CERTIFICATION	material used a	and work performed during t	is Report is complete and correct a his Reporting period are in complia knowledge, except as noted above.	nce with the contract
QC REPRESENTATIVE'S SIGNATURE		DATE	SUPERINTENDENT'S INITIALS	DATE

			QUA	ALITY	CONTR	OL REPO	RT-HO	PPER DREDG	βE		PA	GE NO.		Page 67 of 279
CONTRACT NO		CONTRACT TI						RACTOR			RE	PORT NO.		
W91278-14-D		Maintenance I		of Mob			Dutra	Dredging Comp	any			TE.		34
REPORT		X MAINTEN	IANCE		NEW V	VORK	ı					07/13/2014		
DRED	GE		ER CAP:			4487 CY	AVG V	OL OF BIN WAT	ER:	4487 CY	AVG L	JNFILLED CAP	:	0 CY
Glenn E	dwards	NO. OF CF MEMBER			DREDG	E	ОТН	IER PLANT	WORK SCI	HEDULE	SHIFT	S PER DAY	DA	YS PER WEEK
LOCATIO	ON OF	LOCATION CH	IANNEL	REAC	18 H DREDG	SED; STA	TO STA	5	DISPOSAL A	REA USE				7 JLATIVE AND QTY
WOF		Mobile Ship Cha			05+00 to 1			en Side & 230 to 244 Cell 8 & 9			GROS	S(CY) 16,198	DEP	OSIT FOR DA(CY) 250,192
		AVG LENGTH	OF CUT			3500 FT	AVG W	IDTH OF CUT		200 FT	AVG D	DIST TO DUMP		42 NM
CHARAC <sup>-</sup>	TER OF	DENSITY OF M	ATERIALS	3						1350	GMS/LI	TER		1350
MATER		DENSITY OF W	ATER							1012	GMS/LI	TER@		87 °F
RIVER/	TIDE	MIN	0.00	TIME		00:00	MAX	0.00	TIME	00:00	GAGE	LOCATION US	SCG	
STAC		MIN	0.00	TIME		00:00	MAX	0.00	TIME	00:00	GAGE	DATUM MI	LLW	
WEATHER C	ONDITION	WEATHER					TEMP		VISIBILITY W					
WEATHER C	ONDITION	Weather Caus	sed No Del	lay			77	77 °F / 89 °F   10 MI   18 I			18 MP	<u>H</u>		
		DRAFT							DISTRIBUT					
	LIGHT		LOADED					AGITATING (MIN)				DREDGE & HAUL (MIN		MILES RUN (NAUT MI)
FORWARD		13				26	EFFECTIVE WORKING TIME:				Т	<del></del>		
AFT		13	26				00:00		0:53	0.0				
DRAG DEPTH	MAX 0		MIN	1 0			TURNIN				00:00		0:14	0.0
INDICATORS LA	NDICATORS LAST CHECKED ON 07/03/2014						TO DUM				00:00		8:25	0.0
	0,,30,251					CONNE				00:00		0:00	0.0	
AVERAGE SPEI LOADING	ED OF DREDGE	DURING	F	T/MIN		0	DUMPIN	NG:  NECTING:			00:00		0:08	0.0
AVERAGE SPEI AGITATING	D OF DREDGE	DURING	F	T/MIN		0	TO CUT				00:00		6:10	0.0
GALLONS OF F	UEL OIL CONSI	JMED		GAL		5,865	TOTALS				00:00		5:50	0.0
GALLONS OF V	VATER CONSUM	ИED		GAL		936	-	FECTIVE WOR	KING TIME:					
	,	WORK PERFORI	/IED				TAKING	ON FUEL AND	SUPPLIES		00:00	00	0:00	0.0
	DREDGING A	AND HAULING			AGIT	ATING	TO AND ANCHO	FROM WHARF	OR		00:00	00	0:00	0.0
NO.OF LOADS 2	TOTAL CYS 16,198	DISPOS. Cell	AL AREA 3 & 9			L CYS		UE TO NATURA	AL.		00:00	00	0:00	0.0
	,						LOSS D BRIDGE	UE TO TRAFFICES	CAND		00:00	00	0:00	0.0
								OPERATING RI	EPAIRS		00:00	00	0:00	0.0
							TRANSI WORKS	FERRING BETV	VEEN		00:00	00	0:00	0.0
		ATTENDANT PL	ANT				LAY TIM	ΛE:			00:00	00	0:00	0.0
IT	EM	NAME OF	NUMBER	₹	H.P.	HOURS	FIRE AN	FIRE AND BOAT DRILLS:		00:00	00	0:00	0.0	
Crew	Boat	Ag	gie		400	12:00	MISCELLANEOUS		00:00	30	8:10	0.0		
							TOTALS	3			00:00	30	8:10	0.0
							LOST T					<del></del>		
								REPAIRS AND NATIONS			00:00	00	0:00	0.0
							CESSAT				00:00		0:00	0.0
							COLLIS				00:00		0:00	0.0
							TOTALS				00:00		0:00	0.0
							TOTAL .	TIME/MILES:			00:00	24	4:00	0.0

		QUALITY CONTRO	L REPORT-HOPPER	DREDGE		PAGE NO.	Page 68 of 279		
CONTRACT NO	).	CONTRACT TITLE	REPORT NO	).					
W91278-14-D	-0041 0001	Maintenance Dredging of Mobile Harbor	Dutra Dredgi	ng Company					
DREDGE	REDGE NAME AND TYPE Glenn Edwards						<b>DATE</b> 07/13/2014		
			LOADS						
LOAD NUMBER		DREDGING AREA DISPOSAL AREA	START TIME STOP TIME	PUMPING TURNING	DUI	DUMP MPING CUT	TOTAL TIME DREDGED AMOUNT AGITATED AMOUNT		
			(HH:MM)	(MIN)	(1)	MIN)	(MIN/CYS)		
1	Sta 230+00 to	244+66	00:00	23		247	436		
	Cell 8 & 9		00:37	14		4	8,099		
						148	0		
2	Sta 105+00 to 140+00		07:16	30	258		514		
	Cell 8 & 9		07:46	0		4	8,099		
						222	0		

#### **GENERAL COMMENTS**

950 Minutes @ 100% 490 Minutes @ 0% Demobilization -- End of Contract

CONTRACTOR CERTIFICATION	material used and worl	n behalf of the contractor, I certify that this Report is complete and correct and all equipment and laterial used and work performed during this Reporting period are in compliance with the contract lans and specifications, to the best of my knowledge, except as noted above.										
QC REPRESENTATIVE'S SIGNATURE	DATE		SUPERINTENDENT'S INITIALS	DATE								

			QUA	ALITY	CONTR	OL REPO	ORT-HOPP	ER DREDG	SE .		PA	GE NO.		Page 69 of 279
CONTRACT NO. CONTRACT TITLE  W91278-14-D-0041 0001  Maintenance Drodging of Mobile Harbor					CONTRACTOR					PORT NO.				
W91278-14-D-0041 0001 Maintenance Dredging of Mobile Harbor  CHARACTER OF STANDARD TO NEW WORK					Dutra Dr	edging Comp	any		DA	.TE		35		
REPORT		X MAINTEN	NANCE		NEW V	VORK	<u> </u>					)7/14/2014		
DRED	GE		PER CAP:			4487 CY	AVG VOL	OF BIN WAT	ER:	4487 CY	AVG L	JNFILLED CAP	:	0 CY
Colu	mbia	NO. OF CF MEMBER			DREDG	E	OTHER	R PLANT	WORK SCI	HEDULE	SHIFT	S PER DAY	DA	YS PER WEEK
LOCATIO	ON OF	LOCATION CH	IANNFI	RFAC	15 H DREDG	SED; STA		2	DISPOSAL A	REA USE	QTY D	2 EPOSITED	CUML	7 JLATIVE AND QTY
WOF		Mobile Ship Cha				00+00 & 6			Cell 8 & 9		GROSS	S(CY) 7,905	DEP	OSIT FOR DA(CY) 187,085
		AVG LENGTH		Old 04	10100100	6000 FT		TH OF CUT	7 00 0 0 0	400 FT	AVG D	DIST TO DUMP		33 NM
CHARAC	TER OF	DENSITY OF M	ATERIALS	3						1470	GMS/LI	TER		1470
MATER		DENSITY OF W	ATER							1012	GMS/LI	TER@		87 °F
		MIN	0.00	TIME		00:00	MAX	0.00	TIME	00:00	GAGE	LOCATION Do	og Riv	
RIVER/ STAC		MIN	0.00	TIME		00:00	MAX	0.00	TIME	00:00	GAGE	DATUM MI	LLW	
WEATUED	ON IDITION	WEATHER					TEMP	0.00	VISIBILITY		WIND	-		
WEATHER C	ONDITION	Weather Caus	sed No Del	lay			73 °F	/91 °F	10 MI		8 MPH			
		DRAFT							DISTRIBUT	ION OF TIM	IE AND	MILES RUN		
	LIGHT		LOADED							AGITA (MIN)		DREDGE & HAUL (MIN		MILES RUN (NAUT MI)
FORWARD		6				17	EFFECTIVE WORKING TIME:							
AFT		9				17	PUMPING:	1			00:00	01	1:20	0.0
DRAG DEPTH	DRAG DEPTH MAX 0 MIN			1 0			TURNING:	TURNING: 0			00:00	00	0:00	0.0
				TO DUMP:			00:00	12	2:25	0.0				
INDICATORS LAST CHECKED ON 06/25/20		14				CONNECTING:			00:00	00	0:00	0.0		
	ED OF DREDGE	DURING	F	T/MIN		0	DUMPING:	:			00:00	00	0:34	0.0
LOADING AVERAGE SPE	ED OF DREDGE	DURING	F	T/MIN		0	DISCONNE	ECTING:			00:00	00	0:00	0.0
AGITATING GALLONS OF F	UEL OIL CONSU	JMED		GAL		2,789	TO CUT:			00:00	09	9:41	0.0	
GALLONS OF V	VATER CONSUN	ИED		GAL			TOTALS:		00:00	24	1:00	0.0		
						784	NON-EFFE	CTIVE WOR	KING TIME:					
		WORK PERFORI	MED					N FUEL AND			00:00	00	0:00	0.0
NO.OF LOADS	TOTAL CYS	AND HAULING	AL AREA			L CYS	ANCHORA				00:00	00	0:00	0.0
5	7,905		8 & 9			0	ELEMENT:				00:00		0:00	0.0
							BRIDGES				00:00		0:00	0.0
								PERATING RI			00:00		0:00	0.0
							WORKS				00:00		0:00	0.0
	,	ATTENDANT PL	ANT				LAY TIME:				00:00		0:00	0.0
ITEM		NAME OF	R NUMBER	2	H.P.	HOURS		BOAT DRILL	.S:		00:00		0:00	0.0
40' Crewboat		Cape	Anne		400	12:00	MISCELLA	NEOUS			00:00		0:00	0.0
							TOTALS				00:00	00	0:00	0.0
							LOST TIME MAJOR RE	EPAIRS AND			00:00	2/	0:00	0.0
							ALTERNAT CESSATIC	TONS			00:00		0:00	0.0
							COLLISION				00:00		0:00	0.0
							TOTALS:	١٥.			00:00		0:00	0.0
							TOTAL TIN	VE/VIII EG:			00:00		1:00	0.0
							TOTAL III	/IL/IVIILLO.			00.00		Ŧ.UU	0.0

		QUALITY CONTROL	REPORT-HOPPER	DREDGE		Page 70 of 279
CONTRACT NO	).	CONTRACT TITLE	CONTRACT	OR	REPORT N	10.
W91278-14-D-0041 0001 Maintenance Dredging of Mobile Harb  NAME AND TYPE Columbia			Dutra Dredgi	ng Company		35
					<b>DATE</b> 07/14/20	14
			LOADS		•	
LOAD NUMBER		DREDGING AREA DISPOSAL AREA	START TIME STOP TIME	PUMPING TURNING	TO DUMP DUMPING TO CUT	TOTAL TIME DREDGED AMOUNT AGITATED AMOUNT
			(HH:MM)	(MIN)	(MIN)	(MIN/CYS)
1	Sta 540+00 to	600+00	00:00	1	165	170
	Cell 8 & 9		00:01	0	4	0
					0	0
2	Sta 540+00 to	600+00	02:50	23	210	419
	Cell 8 & 9		03:13	0	22	2,635
					164	0
3	Sta 600+00 to	660+00	09:49	27	189	382
	Cell 8 & 9		10:16	0	4	2,635
					162	0
4	Sta 600+00 to	660+00	16:11	28	181	400
	Cell 8 & 9		16:39	0	4	2,635
					187	0
5	Sta 600+00 to	660+00	22:51	1	0	69
-	Cell 8 & 9		22:52	0	0	0
					68	0

QC NARRATIVE(S)

**GENERAL COMMENTS** 

CONTRACTOR CERTIFICATION	material used a	nd work performed during t	is Report is complete and correct a his Reporting period are in complia knowledge, except as noted above.	nce with the contract
QC REPRESENTATIVE'S SIGNATURE		DATE	SUPERINTENDENT'S INITIALS	DATE

			QUA	LITY	CONTR	OL REPO	RT-HOPPER DREDO	<b>GE</b>		PA	GE NO.		Page 71 of 279
CONTRACT NO. CONTRACT TITLE						CONTRACTOR				PORT NO.			
W91278-14-D-0041 0001 Maintenance Dredging of Mobile Harbor					r	Dutra Dredging Comp	oany					36	
CHARACTER OF NEW MAINTENANCE NEW			NEW V	WORK					ATE 07/15/2014				
DRED	GE	HOPF	PER CAP:			4487 CY	AVG VOL OF BIN WAT	ER:	4487 CY	AVG L	JNFILLED CAP	:	0 CY
Colu	mbia	NO. OF CF MEMBER			DREDG 15	Ε	OTHER PLANT	WORK SCH	HEDULE	SHIFT	TS PER DAY	DAYS PER WEEK	
LOCATIO		LOCATION CH	IANNEL	REAC		SED; STA		DISPOSAL A		QTY DI	EPOSITED C		JLATIVE AND QTY OSIT FOR DA(CY)
WOF	RK	Mobile Ship Cha	nnel	Sta 54	0+00 to 6	00+00 & 6	00 to 660	Cell 8 & 9			10,540		197,625
		AVG LENGTH	OF CUT			6000 FT	AVG WIDTH OF CUT		400 FT	AVG D	/G DIST TO DUMP 33 NM		
CHARAC <sup>*</sup> MATER		DENSITY OF M	ATERIALS						1470	GMS/LI	TER		1470
WAIE	VIAL.	DENSITY OF W	ATER					GMS/LI	ITER@		87 °F		
RIVER/ STAC		MIN	0.00	TIME		00:00	MAX 0.00	TIME	00:00	GAGE	LOCATION Do	og Riv	/er
SIAC	<b>3</b> C	MIN	0.00	TIME		00:00	MAX 0.00	TIME	00:00	GAGE	DATUM MI	LLW	
WEATHER C	ONDITION	WEATHER	and No Dal	a.,			TEMP	VISIBILITY		WIND			
		Weather Cause  DRAFT	sea No Dei	ay			73 °F / 89 °F	DISTRIBUT	•	22 MPH E AND MILES RUN			
	LIGHT		LOADED						AGITATI (MIN)		DREDGE 8 HAUL (MIN		MILES RUN (NAUT MI)
FORWARD		6				17	EFFECTIVE WORKING TIME:				TI/TOE (WIII)	<u>/</u>	(IV/CIIVII)
AFT		9				17	PUMPING:			00:00	0′	1:46	0.0
DRAG DEPTH MAX 0 MIN			0			TURNING:			00:00	00	0:00	0.0	
PIONO DEI III					TO DUMP:			00:00	11	1:42	0.0		
INDICATORS LAST CHECKED ON		ON 06/25/20 <sup>-</sup>	14				CONNECTING:			00:00	00	0:00	0.0
AVERAGE SPEED OF DREDGE DURING		F	T/MIN		0	DUMPING:			00:00	00	0:12	0.0	
LOADING AVERAGE SPE	ED OF DREDGE	DURING	F	T/MIN			DISCONNECTING:			00:00	00	0:00	0.0
AGITATING	UEL OIL CONSU	IMED		GAL		0	TO CUT:			00:00	10	0:20	0.0
	VATER CONSUN			GAL			TOTALS:			00:00	24	4:00	0.0
O/ILLONG OF V	WATER CONCOR			O/IL		1,046	NON-EFFECTIVE WOF	RKING TIME:					
	'	WORK PERFORI	MED				TAKING ON FUEL AND			00:00	00	0:00	0.0
NO 051 0480		ND HAULING				ATING	TO AND FROM WHAR! ANCHORAGE:			00:00	00	0:00	0.0
NO.OF LOADS 4	TOTAL CYS 10,540		AL AREA 8 & 9			L CYS 0	LOSS DUE TO NATURA ELEMENTS:			00:00	00	0:00	0.0
							LOSS DUE TO TRAFFI BRIDGES	C AND		00:00	00	0:00	0.0
							MINOR OPERATING R			00:00	00	0:00	0.0
							TRANSFERRING BETV WORKS	VEEN		00:00	00	0:00	0.0
		ATTENDANT PL	ANT				LAY TIME:			00:00	00	0:00	0.0
ITEM		NAME OF	R NUMBER	R	H.P.	HOURS	FIRE AND BOAT DRILLS:			00:00	00	0:00	0.0
40' Crewboat		Cape	Anne		400	12:00	MISCELLANEOUS			00:00	00	0:00	0.0
							TOTALS			00:00	00	0:00	0.0
							LOST TIME:						
							MAJOR REPAIRS AND ALTERNATIONS			00:00	00	0:00	0.0
							CESSATION:			00:00		0:00	0.0
							COLLISIONS:			00:00	-	0:00	0.0
							TOTALS:			00:00		0:00	0.0
							TOTAL TIME/MILES:			00:00	24	4:00	0.0

		QUALITY CONTROL	REPORT-HOPPER	DREDGE		PAGE NO.	Page 72 of 279	
CONTRACT NO	).	CONTRACT TITLE	CONTRACTO	OR .		REPORT NO		
W91278-14-D-0041 0001 Maintenance Dredging of Mobile Harbo			Dutra Dredgi	ng Company	3			
DREDGE		NAME AND TYPE Columbia					4	
			LOADS			•		
LOAD NUMBER		DREDGING AREA DISPOSAL AREA	START TIME STOP TIME	PUMPING TURNING	DUI	DUMP MPING CUT	TOTAL TIME DREDGED AMOUNT AGITATED AMOUNT	
			(HH:MM)	(MIN)		MIN)	(MIN/CYS)	
1	Sta 600+00 to	660+00	00:00	26		195	330	
	Cell 8 & 9		00:26	0		4	2,635	
						105	0	
2	Sta 600+00 to	660+00	05:30	27		208	400	
	Cell 8 & 9		05:57	0		4	2,635	
						161	0	
3	Sta 600+00 to	660+00	12:10	26		185	382	
	Cell 8 & 9		12:36	0		4	2,635	
	-3 0 0.0					167	0	
4	Sta 600+00 to	660+00	18:32	27		114	328	
	Cell 8 & 9		18:59	0		0	2,635	
						187	0	

**GENERAL COMMENTS** 

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					

			QUA	LITY	CONTR	OL REPO	ORT-HOPPER DRED	ЭE		PA	GE NO.	1	Page 73 of 279
CONTRACT NO		CONTRACT TI					CONTRACTOR			RE	PORT NO.		
W91278-14-D		Maintenance I	Oredging o	f Mobi	ile Harbo	r	Dutra Dredging Comp	oany		<u> </u>			37
CHARACTER C REPORT	)F	X MAINTEN	NANCE		NEW \	WORK					ATE 07/16/2014		
DRED	OGE	HOPF	PER CAP:			4487 CY	AVG VOL OF BIN WAT	TER:	4487 CY	AVG (	JNFILLED CAF	<b>'</b> :	0 CY
Colu	mbia	NO. OF CF MEMBEF			DREDG	iΕ	OTHER PLANT	WORK SC	HEDULE	SHIFT	S PER DAY	DA'	YS PER WEEK
LOCATIO	ON OF	LOCATION CH	JANNEI	REAC	15 H DREDO	SED; STA	2 TO STA	DISPOSAL A	REA USE	QTY D	2 EPOSITED	CUMU	7 ILATIVE AND QTY
LOCATION WOR		Mobile Ship Cha			00 to 660	DLD, STA	1001A	Cell 8 & 9		GROS	S(CY) 7,905	DEPO	OSIT FOR DA(CY) 205,530
		AVG LENGTH		Sia U	30 10 000	6000 FT	AVG WIDTH OF CUT		400 FT	AVG E	DIST TO DUMP	,	32 NM
0114540	TED 05	DENSITY OF M	ATERIALS						1470	GMS/L	ITER		1470
CHARAC MATEI		DENSITY OF W	ATER						1012	GMS/L	ITER@		90 °F
		MIN	0.00	TIME		00:00	MAX 0.00	TIME	00:00	GAGE	LOCATION D	og Riv	
RIVER/ STAG					•								
		MIN WEATHER	0.00	IIIVIE		00:00	MAX 0.00	TIME	00:00	WIND	DATUM M	ILLW	
WEATHER C	ONDITION	Weather Caus	sed No Dela	ay			71 °F / 89 °F	10 MI		14 MP	Н		
		DRAFT						DISTRIBUT	ION OF TIM	/IE AND	MILES RUN		
	LIGHT		LOADED						AGITA (MIN		DREDGE (		MILES RUN (NAUT MI)
FORWARD		6				17	EFFECTIVE WORKING	TIME:	(	-/		-/	
AFT		9				17	PUMPING:			00:00	0	1:20	0.0
DRAG DEPTH	MAX 0		MIN	0			TURNING:			00:00	0	0:00	0.0
INDICATORS	ACT CHECKED	ON 00/05/00	4.4				TO DUMP:			00:00	1	0:42	0.0
INDICATORS LA	AST CHECKED (	ON 06/25/20 <sup>-</sup>	14				CONNECTING:			00:00	0	0:00	0.0
	ED OF DREDGE	DURING	FT	/MIN		0	DUMPING:			00:00	0	0:16	0.0
	ED OF DREDGE	DURING	FT	/MIN		0	DISCONNECTING:			00:00	0	0:00	0.0
AGITATING GALLONS OF F	UEL OIL CONSU	JMED		GAL		3,147	TO CUT:			00:00		1:27	0.0
GALLONS OF V	VATER CONSUM	ИED		GAL		2,167	TOTALS:			00:00	2	3:45	0.0
	,	WORK PERFORI	MED			2,107	NON-EFFECTIVE WOR				T .		
			AIED	1	ACIT	ATINO	TAKING ON FUEL AND TO AND FROM WHAR			00:00	-	0:00	0.0
NO.OF LOADS	TOTAL CYS	AND HAULING DISPOSA	AL AREA			L CYS	ANCHORAGE: LOSS DUE TO NATUR			00:00		0:00	0.0
5	7,905		8 & 9			0	ELEMENTS: LOSS DUE TO TRAFFI			00:00	-	0:00	0.0
							BRIDGES			00:00		0:00	0.0
							MINOR OPERATING R TRANSFERRING BET\			00:00	-	0:15	0.0
							WORKS LAY TIME:			00:00	-	0:00	0.0
		ATTENDANT PLA	ANT			1	FIRE AND BOAT DRILL	S.		00:00	<b> </b>	0:00	0.0
IT	EM	NAME OF	RNUMBER		H.P.	HOURS	MISCELLANEOUS			00:00	-	0:00	0.0
40' Cre	ewboat	Cape	Anne		400	12:00	TOTALS			00:00	+	0:15	0.0
							LOST TIME:						
							MAJOR REPAIRS AND			00:00	0	0:00	0.0
							ALTERNATIONS CESSATION:			00:00	0	0:00	0.0
							COLLISIONS:			00:00	0	0:00	0.0
							TOTALS:			00:00	0	0:00	0.0
							TOTAL TIME/MILES:			00:00	2	4:00	0.0
		-				•	-		•		•	-	

		QUALITY CONTROL	L REPORT-HOPPER	DREDGE		PAGE NO.	
							Page 74 of 279
CONTRACT NO	Ο.	CONTRACT TITLE	CONTRACT	OR		REPORT NO	).
W91278-14-D	D-0041 0001	Maintenance Dredging of Mobile Harbor	Dutra Dredgi	ing Company			37
DREDGE		NAME AND TYPE				<b>DATE</b> 07/16/2014	1
		Columbia				07/10/2012	•
			LOADS		_		
LOAD NUMBER		DREDGING AREA DISPOSAL AREA	START TIME STOP TIME	PUMPING TURNING	DUN	DUMP IPING CUT	TOTAL TIME DREDGED AMOUNT AGITATED AMOUNT
	1		(HH:MM)	(MIN)		IIN)	(MIN/CYS)
1	Sta 600+00 to	660+00	00:00	1		71	76
	Cell 8 & 9		00:01	0		4	0
						0	0
2	Sta 600+00 to	660+00	01:16	30		191	393
	Cell 8 & 9		01:46	0		4	2,635
						168	0
3	Sta 600+00 to	660+00	07:49	24		196	392
	Cell 8 & 9		08:13	0		4	2,635
						168	0
4	Sta 600+00 to	660+00	14:21	24		184	390
	Cell 8 & 9		14:45	0		4	2,635
						178	0
5	Sta 600+00 to	660+00	21:06	1		0	174
-	Cell 8 & 9		21:07	0		0	0
						173	0

PAGE NO.

# QC NARRATIVE(S)

### **GENERAL COMMENTS**

1425 Minutes @ 100%

15 Minutes @ 0% Lost Prime

CONTRACTOR CERTIFICATION	material used a	and work performed during t	is Report is complete and correct a his Reporting period are in complia knowledge, except as noted above.	nnce with the contract
QC REPRESENTATIVE'S SIGNATURE		DATE	SUPERINTENDENT'S INITIALS	DATE

			QUA	LITY	CONTR	OL REPO	ORT-HOPPER DRED	GE		PA	GE NO.	ļ	Page 75 of 279
CONTRACT NO		CONTRACT TI					CONTRACTOR			RE	PORT NO.		
W91278-14-D		Maintenance I	Dredging o	of Mobi	ile Harbo	r	Dutra Dredging Comp	oany					38
CHARACTER C REPORT	)F	X MAINTEN	NANCE		] NEW \	WORK					ATE 07/17/2014		
DRED	OGE	HOPF	PER CAP:			4487 CY	AVG VOL OF BIN WAT	ΓER:	4487 CY	AVG L	JNFILLED CAP	:	0 CY
Colu	mbia	NO. OF CF MEMBEF			DREDG	iΕ	OTHER PLANT	WORK SC	HEDULE	SHIFT	S PER DAY	DA'	YS PER WEEK
		LOCATION CH	JANNEI	DEAC	15 H DBEDC	GED; STA	2	DISPOSAL A	REA USE	QTY D	2 EPOSITED	CUMU	7 ILATIVE AND QTY
LOCATIO WOR		Mobile Ship Cha				3ED, 31A	10314	Cell 8 & 9		GROS	S(CY)		OSIT FOR DA(CY) 216,070
		AVG LENGTH		Sia bi	00 to 660	6000 FT	AVG WIDTH OF CUT	Toell 6 & 9	400 FT	AVG D	10,540   DIST TO DUMP		32 NM
		DENSITY OF M	ATERIALS						1470	GMS/LI	TER		1470
CHARAC MATEI		DENSITY OF W	ATER						1012	GMS/LI	TER@		90 °F
		MIN	I	TIME		00:00	MAX 0.00	TIME	00:00		LOCATION Do	og Piv	
RIVER/ STAC													<u> </u>
		MIN WEATHER	0.00	TIME		00:00	MAX 0.00	TIME	00:00	WIND	DATUM MI	LLW	
WEATHER C	ONDITION	Weather Caus	sed No Dela	ay			64 °F / 87 °F	10 MI		10 MP	Н		
		DRAFT						DISTRIBUT	ION OF TIM	IE AND	MILES RUN		
	LIGHT		LOADED						AGITAT		DREDGE &		MILES RUN (NAUT MI)
FORWARD		6				17	EFFECTIVE WORKING	TIME:	(14111	•)	TI/TOE (WIII)	,	(IV/OT WII)
AFT		9				17	PUMPING:			00:00	0′	1:55	0.0
DRAG DEPTH	MAX 0		MIN	0			TURNING:			00:00	00	0:00	0.0
IN IDIO ATODO I	. OT OUE OVER 4	211					TO DUMP:			00:00	12	2:44	0.0
INDICATORS LA	AST CHECKED (	ON 06/25/20°	14				CONNECTING:			00:00	00	0:00	0.0
	ED OF DREDGE	DURING	FT	Γ/ΜΙΝ		0	DUMPING:			00:00	00	0:12	0.0
	ED OF DREDGE	DURING	FT	Γ/ΜΙΝ		0	DISCONNECTING:			00:00	00	0:00	0.0
AGITATING GALLONS OF F	UEL OIL CONSU	JMED		GAL		3,002	то сит:			00:00	09	9:09	0.0
GALLONS OF V	VATER CONSUM	ИED		GAL			TOTALS:			00:00	24	4:00	0.0
						935	NON-EFFECTIVE WOR	RKING TIME:	1		T		
		WORK PERFORM	MED				TAKING ON FUEL AND			00:00	00	0:00	0.0
NO.OF LOADS		AND HAULING	AL AREA			L CYS	TO AND FROM WHAR! ANCHORAGE:			00:00	00	0:00	0.0
4	10,540		8 & 9			0	LOSS DUE TO NATUR ELEMENTS: LOSS DUE TO TRAFFI			00:00	00	0:00	0.0
							BRIDGES			00:00	00	0:00	0.0
							MINOR OPERATING R TRANSFERRING BET\			00:00	00	0:00	0.0
							WORKS	VEEN		00:00		0:00	0.0
		ATTENDANT PL	ANT				LAY TIME:			00:00		0:00	0.0
IT	EM	NAME OF	R NUMBER	R	H.P.	HOURS	FIRE AND BOAT DRILI	LS:		00:00		0:00	0.0
40' Cre	ewboat	Cape	Anne		400	12:00	MISCELLANEOUS			00:00		0:00	0.0
							TOTALS			00:00	00	0:00	0.0
							LOST TIME: MAJOR REPAIRS AND					<del></del>	
							ALTERNATIONS			00:00		0:00	0.0
							CESSATION:			00:00		0:00	0.0
							COLLISIONS:			00:00		0:00	0.0
							TOTAL TIME (MILEO			00:00		0:00	0.0
							TOTAL TIME/MILES:			00:00		4:00	0.0

		QUALITY CONTRO	L REPORT-HOPPER	DREDGE		PAGE NO.	Page 76 of 279		
CONTRACT NO	).	CONTRACT TITLE	REPORT NO.						
W91278-14-D	-0041 0001	Maintenance Dredging of Mobile Harbor	Dutra Dredgi	ng Company					
DREDGE		NAME AND TYPE Columbia				<b>DATE</b> 07/17/2014			
			LOADS						
LOAD NUMBER		DREDGING AREA DISPOSAL AREA	START TIME STOP TIME	PUMPING TURNING	DUN	DUMP MPING CUT	TOTAL TIME DREDGED AMOUNT AGITATED AMOUNT		
			(HH:MM)	(MIN)		ЛIN)	(MIN/CYS)		
1	Sta 600+00 to	660+00	00:00	25		203	247		
	Cell 8 & 9		00:25	0		4	2,635		
						15	0		
2	Sta 600+00 to	660+00	04:07	33		198	412		
	Cell 8 & 9		04:40	0		4	2,635		
						177	0		
3	Sta 600+00 to	660+00	10:59	33		200	414		
	Cell 8 & 9		11:32	0		4	2,635		
						177	0		
4	Sta 600+00 to	660+00	17:53	24		163	367		
	Cell 8 & 9		18:17	0		0	2,635		
						180	0		

**GENERAL COMMENTS** 

CONTRACTOR CERTIFICATION	material used a	nd work performed during t	is Report is complete and correct a his Reporting period are in complia knowledge, except as noted above.	nce with the contract
QC REPRESENTATIVE'S SIGNATURE		DATE	SUPERINTENDENT'S INITIALS	DATE

			QUA	ALITY	CONTR	OL REPO	ORT-HOP	PER DREDG	βE		PA	GE NO.		Page 77 of 279
CONTRACT NO		CONTRACT TI		- 6 M - L-	: : :	_		ACTOR			RE	PORT NO.		
W91278-14-D CHARACTER O		Maintenance I		dolwi to			Dutra D	redging Comp	any		DA	ATE	—	39
REPORT	•	X  MAINTEN	NANCE		NEW V	VORK	ı					07/18/2014		
DRED	GE		PER CAP:			4487 CY	AVG VOI	L OF BIN WAT	ER:	4487 CY	AVG U	JNFILLED CAP	:	0 CY
Colu	mbia	NO. OF CF MEMBER			DREDG	E	OTHE	R PLANT	WORK SCI	HEDULE	SHIFT	S PER DAY	DA	YS PER WEEK
LOCATIO	ON OF	LOCATION CH	IANNEL	REAC	15 H DREDG	SED; STA	TO STA	2	DISPOSAL A	REA USE				7 JLATIVE AND QTY
WOF		Mobile Ship Cha	nnel	Sta 6	00 to 660				Cell 8 & 9		GROS	S(CY) 13,110	DEP	OSIT FOR DA(CY) 229,180
		AVG LENGTH	OF CUT			6000 FT	AVG WIE	OTH OF CUT		400 FT	AVG D	DIST TO DUMP		32 NM
CHARAC	TER OF	DENSITY OF M	ATERIALS	3						1470	GMS/LI	ITER		1470
MATER		DENSITY OF W	ATER							1012	GMS/LI	ITER@		90 °F
RIVER/	TIDE	MIN	0.00	TIME		00:00	MAX	0.00	TIME	00:00	GAGE	LOCATION Do	og Riv	er
STAC		MIN	0.00	TIME		00:00	MAX	0.00	TIME	00:00	GAGE	DATUM MI	LLW	
WEATHER C	ONDITION	WEATHER					TEMP		VISIBILITY		WIND			
		Weather Caus	sed No Del	lay			70 °	F / 84 °F	10 MI	ION OF TIM	15 MP	H MILES RUN		
		DIALI							DIOTRIBOT	AGITA		DREDGE 8	<u> </u>	MILES RUN
EODWARD.	LIGHT		LOADED			17	EFFECTIVE TO THE PROPERTY OF T	VE WORKING	TIME:	(MIN)	۷)	HAUL (MIN	)	(NAUT MI)
FORWARD		6				17	PUMPING				00:00	0,	1:57	0.0
AFT		9				17	TURNING				00:00	00	0:00	0.0
DRAG DEPTH	MAX 0		MIN	1 0			TO DUMF	P:			00:00	06	9:48	0.0
INDICATORS LA	AST CHECKED (	ON 06/25/20 <sup>-</sup>	14				CONNEC	TING:			00:00	0(	0:00	0.0
AVERAGE SPE	ED OF DREDGE	DURING	F	T/MIN			DUMPING	 Э:			00:00	00	0:16	0.0
LOADING AVERAGE SPE				T/MIN		0	DISCONN	IECTING:			00:00	00	0:00	0.0
AGITATING	UEL OIL CONSU		·	GAL		0	TO CUT:				00:00	11	1:59	0.0
	VATER CONSUN			GAL		2,272	TOTALS:				00:00	24	4:00	0.0
CALLONG OF V	VATER CONSOR			OAL		935	NON-EFF	ECTIVE WOR	KING TIME:					
	'	WORK PERFORI	MED					ON FUEL AND			00:00	00	0:00	0.0
NO OF LOADS		AND HAULING	AL ADEA			ATING	ANCHOR.				00:00	00	0:00	0.0
NO.OF LOADS 5	TOTAL CYS 13,110	Cell	AL AREA 8&9			L CYS	ELEMENT				00:00	00	0:00	0.0
							BRIDGES	E TO TRAFFIC	J AND		00:00	00	0:00	0.0
								PERATING RI			00:00	00	0:00	0.0
							WORKS	ERRING BETW	VEEN		00:00	00	0:00	0.0
		ATTENDANT PL	ANT				LAY TIME	i: 			00:00	00	0:00	0.0
IT	EM	NAME OF	R NUMBER	₹	H.P.	HOURS	FIRE AND	BOAT DRILL	.S:		00:00	00	0:00	0.0
40' Cre	ewboat	Cape	Anne		400	12:00	MISCELL	ANEOUS			00:00	00	0:00	0.0
							TOTALS				00:00	00	0:00	0.0
							LOST TIM	IE:						
							ALTERNA	TIONS			00:00	-	0:00	0.0
							CESSATI				00:00		0:00	0.0
							COLLISIC				00:00	-	0:00	0.0
							TOTALS:				00:00		0:00	0.0
							TOTAL TI	ME/MILES:			00:00	24	4:00	0.0

					,	PAGE NO.	
		QUALITY CONTROL	L REPORT-HOPPER	DREDGE	1		Page 78 of 279
CONTRACT NO		CONTRACT TITLE	CONTRACTO	OR		REPORT NO	o.
W91278-14-D	J-0041 0001	Maintenance Dredging of Mobile Harbor	Dutra Dredgir	ng Company	ļ		39
DREDGE		NAME AND TYPE		•		DATE	
DKEDGE		Columbia				07/18/201	4
_			LOADS		_	_	_
LOAD NUMBER		DREDGING AREA DISPOSAL AREA	START TIME STOP TIME	PUMPING TURNING	DUN	DUMP MPING CUT	TOTAL TIME DREDGED AMOUNT AGITATED AMOUNT
			(HH:MM)	(MIN)	(1)	MIN)	(MIN/CYS)
1	Sta 600+00 to	660+00	00:00	1		19	24
	Cell 8&9		00:01	0		4	2,622
			ļ	1		0	0
2	Sta 600+00 to	660+00	00:24	33		195	403
	Cell 8&9		00:57	0		4	2,622
			J	1		171	0
3	Sta 600+00 to	660+00	07:07	36		185	412
-	Cell 8&9		07:43	0		4	2,622
			J	1		187	0
4	Sta 600+00 to	660+00	13:59	32		189	414
	Cell 8&9		14:31	0		4	2,622
			J	1		189	0
5	Sta 600+00 to	660+00	20:53	15		0	187
	Cell 8&9		21:08	0		0	2,622
			ļ	1		172	0

#### **GENERAL COMMENTS**

CONTRACTOR CERTIFICATION	material used a	and work performed during t	is Report is complete and correct a his Reporting period are in complia knowledge, except as noted above.	nnce with the contract
QC REPRESENTATIVE'S SIGNATURE		DATE	SUPERINTENDENT'S INITIALS	DATE

			QUA	ALITY	CONTR	OL REPO	ORT-HOPPE	R DREDO	<b>GE</b>		PA	AGE NO.		Page 79 of 279
CONTRACT NO		CONTRACT TI		£ M = L	:1a 11aula	_	CONTRAC				RE	PORT NO.		
W91278-14-D CHARACTER O		Maintenance I		dol it			Dutra Dred	ging Comp	bany		DA	ATE	—	40
REPORT	•	X  MAINTEN	NANCE		NEW V	VORK	Г					07/19/2014		
DRED	GE		ER CAP:			4487 CY	AVG VOL OF	BIN WAT	TER:	4487 CY	AVG U	JNFILLED CAP	<b>'</b> :	0 CY
Colu	mbia	NO. OF CF MEMBER			DREDG	E	OTHER P	LANT	WORK SCI	HEDULE	SHIFT	rs per day	DA	AYS PER WEEK
LOCATIO	ON OF	LOCATION CH	IANNEL	REAC	15 H DREDG	SED; STA	TO STA		DISPOSAL A	REA USE				7 JLATIVE AND QTY
WOF		Mobile Ship Cha	nnel	Sta 60	00 to 660				Cell 8 & 9		GROS	S(CY) 10,488	DEP	OSIT FOR DA(CY) 239,668
		AVG LENGTH	OF CUT			6000 FT	AVG WIDTH	OF CUT	•	400 FT	AVG D	DIST TO DUMP	1	32 NM
CHARAC	TER OF	DENSITY OF M	ATERIALS	1						1470	GMS/LI	ITER		1470
MATER		DENSITY OF W	ATER							1012	GMS/LI	ITER@		90 °F
RIVER/	TIDE	MIN	0.00	TIME		00:00	MAX	0.00	TIME	00:00	GAGE	LOCATION DO	og Riv	ver
STAC		MIN	0.00	TIME		00:00	MAX	0.00	TIME	00:00	GAGE	DATUM M	LLW	
WEATHER C	ONDITION	WEATHER					TEMP		VISIBILITY		WIND			
		Weather Caus	sed No Del	ay			73 °F / 8	66 °F	5 MI	ION OF TI	10 MP	MILES RUN		
										AGITA		DREDGE 8	&	MILES RUN
FORWARD	LIGHT	6	LOADED			17	EFFECTIVE \	VORKING	TIME:	IIM)	۷)	HAUL (MIN	1)	(NAUT MI)
AFT		9				17	PUMPING:				00:00	0	1:42	0.0
	NAAV. O	9				17	TURNING:			00		0	0:00	0.0
DRAG DEPTH	MAX 0		MIN	1 0			TO DUMP:				00:00	1:	2:21	0.0
INDICATORS LA	AST CHECKED (	ON 06/25/20	14				CONNECTIN	G:			00:00	0	0:00	0.0
AVERAGE SPE	ED OF DREDGE	DURING	F	T/MIN			DUMPING:				00:00	0	0:12	0.0
LOADING AVERAGE SPE				T/MIN		0	DISCONNEC	TING:			00:00	0	0:00	0.0
AGITATING	UEL OIL CONSU		·	GAL		0	TO CUT:				00:00	0:	9:45	0.0
	VATER CONSUN			GAL		2,235	TOTALS:				00:00	2	4:00	0.0
OALLONG OF V	VATER CONSOR			OAL		823	NON-EFFEC	TIVE WOF	RKING TIME:					
	'	WORK PERFORI	MED	ı			TAKING ON F				00:00	00	0:00	0.0
NO OF LOADS		AND HAULING				ATING	TO AND FRO ANCHORAGE	:			00:00	00	0:00	0.0
NO.OF LOADS 4	TOTAL CYS 10,488		AL AREA 8 & 9			L CYS 0	LOSS DUE TO ELEMENTS:				00:00	0(	0:00	0.0
							LOSS DUE TO BRIDGES	) TRAFFI	C AND		00:00	00	0:00	0.0
							MINOR OPER				00:00	00	0:00	0.0
							TRANSFERR WORKS	ING BETV	WEEN		00:00	00	0:00	0.0
		ATTENDANT PL	ANT				LAY TIME:				00:00	00	0:00	0.0
IT	EM	NAME OF	R NUMBER	₹	H.P.	HOURS	FIRE AND BO	AT DRILL	_S:		00:00	00	0:00	0.0
40' Cre	ewboat	Cape	Anne		400	12:00	MISCELLANE	OUS			00:00	00	0:00	0.0
							TOTALS				00:00	00	0:00	0.0
							LOST TIME: MAJOR REPA	IBS AND		I				
							ALTERNATIO	NS			00:00		0:00	0.0
							CESSATION:				00:00		0:00	0.0
							COLLISIONS	:			00:00		0:00	0.0
							TOTAL TIME	NAU = C			00:00		0:00	0.0
							TOTAL TIME	MILES:			00:00	24	4:00	0.0

		QUALITY CONTROL	REPORT-HOPPER	DREDGE		PAGE NO.	Page 80 of 279
CONTRACT NO	).	CONTRACT TITLE	REPORT NO	).			
W91278-14-D	-0041 0001	Maintenance Dredging of Mobile Harbor	Dutra Dredgi	ng Company			40
DREDGE		NAME AND TYPE Columbia				<b>DATE</b> 07/19/2014	1
			LOADS			-	
LOAD NUMBER		DREDGING AREA DISPOSAL AREA	START TIME STOP TIME	PUMPING TURNING	DUI	DUMP MPING CUT	TOTAL TIME DREDGED AMOUNT AGITATED AMOUNT
			(HH:MM)	(MIN)		MIN)	(MIN/CYS)
1	Sta 600 to 660		00:00	11		207	222
	Cell 8 & 9		00:11	0		4	2,622
						0	0
2	Sta 600 to 660		03:42	34		172	394
	Cell 8 & 9		04:16	0		4	2,622
						184	0
3	Sta 600 to 660		10:16	31		187	421
· ·	Cell 8 & 9		10:47	0		4	2,622
	0011000					199	0
4	Sta 600 to 660		17:17	26		175	403
·	Cell 8 & 9		17:43	0		0	2,622
	30 3 4 0					202	0

**GENERAL COMMENTS** 

CONTRACTOR CERTIFICATION	material used a	on behalf of the contractor, I certify that this Report is complete and correct and all equipment and naterial used and work performed during this Reporting period are in compliance with the contract lans and specifications, to the best of my knowledge, except as noted above.									
QC REPRESENTATIVE'S SIGNATURE		DATE	SUPERINTENDENT'S INITIALS	DATE							

			QUA	LITY	CONTR	OL REPO	ORT-HOPPER DRED	GE		PA	GE NO.	1	Page 81 of 279
CONTRACT NO W91278-14-D		CONTRACT TI		of Moh	ile Harbo	r	CONTRACTOR  Dutra Dredging Com	nany		RE	PORT NO.		41
CHARACTER C		<del>                                     </del>		, INIOD	NEW \		Dutta Dreaging Com	parry		DA	TE		41
REPORT		X MAINTEN	NAINCE		] NEW	WORK	Г			(	07/20/2014		
DRED	OGE		PER CAP:			4487 CY	AVG VOL OF BIN WA	TER:	4487 CY	AVG L	JNFILLED CAP	:	0 CY
Colu	mbia	NO. OF CF MEMBEF			DREDG	iΕ	OTHER PLANT	WORK SC	HEDULE	SHIFT	S PER DAY	DA	YS PER WEEK
LOCATI	ON OF	LOCATION CH	IANNEI	REAC	15 H DREDO	SED; STA	2 TO STA	DISPOSAL A	REA USE	QTY DI	2 EPOSITED	CUMU	7 JLATIVE AND QTY
LOCATION WOR		Mobile Ship Cha			00 to 660	JLD, STA	1001A	Cell 8 & 9		GROSS(CY) DEPOSIT FOR DA(0) 10,488 250,1			OSIT FOR DA(CY) 250.156
		AVG LENGTH		ola ol	00 10 000	6000 FT	AVG WIDTH OF CUT	100000	400 FT	10,100			32 NM
		DENSITY OF M.	ΔΤΕΡΙΔΙ S		1470 (					GMS/LI	TER		1470
CHARAC MATE													
		DENSITY OF W	ATER					<u> </u>	1012	GMS/LI	TER@		90 °F
RIVER		MIN	0.00	TIME		00:00	MAX 0.00	TIME	00:00	GAGE	LOCATION Do	og Riv	'er
STA	GE	MIN	0.00	TIME		00:00	MAX 0.00	TIME	00:00	GAGE	DATUM MI	LLW	
WEATHER C	ONDITION	WEATHER					TEMP	VISIBILITY		WIND			
		Weather Caus	sed No Del	ay			75 °F / 87 °F	10 MI		10 MP			
		DRAFT						DISTRIBUT			MILES RUN		AUL EO DUN
	LIGHT		LOADED						AGITAT (MIN		DREDGE 8 HAUL (MIN		MILES RUN (NAUT MI)
FORWARD		6				17	17 EFFECTIVE WORKING TIME:						
AFT		9				17	PUMPING:			00:00	02	2:01	0.0
DRAG DEPTH	PTH MAX 0 MIN 0			0			TURNING:			00:00	00	0:00	0.0
INDICATORS LAST CHECKED ON 06/25/2014					TO DUMP:			00:00	09	9:07	0.0		
INDIO/ (I O I O E	NOT OFFICIALLY	00/20/20	17				CONNECTING:			00:00	00	0:00	0.0
	ED OF DREDGE	DURING	F	Γ/ΜΙΝ		0	DUMPING:			00:00	00	0:16	0.0
	ED OF DREDGE	DURING	F	Γ/ΜΙΝ		0	DISCONNECTING:			00:00	00	0:00	0.0
AGITATING GALLONS OF F	UEL OIL CONSI	JMED		GAL		3 596	TO CUT:			00:00		2:36	0.0
GALLONS OF V	VATER CONSUM	ИED		GAL		2,187	TOTALS:			00:00	24	4:00	0.0
		WORK BEDEON	AED			2,107	NON-EFFECTIVE WOI		T				
		WORK PERFORM	MED				TAKING ON FUEL AND TO AND FROM WHAR			00:00		0:00	0.0
NO.OF LOADS		AND HAULING	AL AREA			L CYS	ANCHORAGE:  LOSS DUE TO NATUR			00:00	00	0:00	0.0
5	10,488		8 & 9			0	ELEMENTS: LOSS DUE TO TRAFF			00:00		0:00	0.0
							BRIDGES			00:00		0:00	0.0
							MINOR OPERATING F TRANSFERRING BET			00:00		0:00	0.0
							WORKS			00:00		0:00	0.0
		ATTENDANT PL	ANT				LAY TIME:			00:00		0:00	0.0
IT	EM	NAME OF	RNUMBER	2	H.P.	HOURS	FIRE AND BOAT DRIL	LS:		00:00		0:00	0.0
40' Cre	ewboat	Cape	Anne		400	12:00	MISCELLANEOUS			00:00		0:00	0.0
							TOTALS			00:00	00	0:00	0.0
							LOST TIME:  MAJOR REPAIRS AND	)		00.00		0.00	
							ALTERNATIONS			00:00		0:00	0.0
							CESSATION:			00:00		0:00	0.0
							COLLISIONS:			00:00		0:00	0.0
							TOTALS:			00:00		0:00	0.0
							TOTAL TIME/MILES:			00:00	24	4:00	0.0

		QUALITY CONTROL	. REPORT-HOPPER	DREDGE		PAGE NO.	Page 82 of 27
ONTRACT NO	<u> </u>	CONTRACT TITLE	CONTRACTO	OR .		REPORT N	
W91278-14-I		Maintenance Dredging of Mobile Harbor	Dutra Dredgii			4	
W31270 14 L	7 0041 0001	NAME AND TYPE	Datia Dicagii	ig Company			
DREDGE		Columbia			<b>DATE</b> 07/20/2014		
		Columbia	LOADS				
	1					DUMB	TOTAL TIME
LOAD		DREDGING AREA	START TIME	PUMPING		DUMP MPING	TOTAL TIME DREDGED AMOUNT
NUMBER		DISPOSAL AREA	STOP TIME	TURNING		CUT	AGITATED AMOUNT
			(HH:MM)	(MIN)	(1)	ΛIN)	(MIN/CYS)
1	Sta 600+00 to 660+00		00:00	1		19	24
	Cell 8 & 9		00:01	0		4	0
						0	0
2	Sta 600+00 to	660+00	00:24	34		179	404
	Cell 8 & 9		00:58	0		4	2,622
						187	0
3	Sta 600+00 to	0 660+00	07:08	38		174	410
•	Cell 8 & 9		07:46	0		4	2,622
						194	0
4	Sta 600+00 to	0 660+00	13:58	38		175	407
·	Cell 8 & 9		14:36	0		4	2,622
						190	0
5	Sta 600+00 to	0 660+00	20:45	10		0	195
ŭ	Cell 8 & 9		20:55	0		0	2,622
						185	0

#### **GENERAL COMMENTS**

CONTRACTOR CERTIFICATION	material used a	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						

			QUA	LITY	CONTR	OL REPO	ORT-HOPPER DRED	GE		PA	AGE NO.		Page 83 of 279
CONTRACT NO		CONTRACT TI					CONTRACTOR			RE	PORT NO.		
W91278-14-D		Maintenance I	Oredging o	of Mob	ile Harbo	r	Dutra Dredging Com	pany			ATE		42
REPORT	,,	MAINTEN	NANCE		NEW \	WORK					07/21/2014		
DRED	OGE	HOPF	ER CAP:			4487 CY	AVG VOL OF BIN WA	BIN WATER: 4487 CY		AVG (	JNFILLED CAP	:	0 CY
Colu	mbia	NO. OF CF MEMBEF			DREDG	Ε	OTHER PLANT	WORK SC	HEDULE	SHIFT	TS PER DAY	DA	YS PER WEEK
					15		2	DISPOSAL A	DEA LISE	OTV D	2 EPOSITED	- LINAL	7 ILATIVE AND QTY
LOCATION WOR		LOCATION CH				GED; STA	TO STA		INLA OOL	GROSS(CY) DEPOSIT FOR DA			OSIT FOR DA(CY)
		Mobile Ship Cha		Sta 6	00 to 660	6000 FT	AVG WIDTH OF CUT	Cell 8 & 9	400 FT	5,244 255,400 AVG DIST TO DUMP 32 NM			
					1470								
CHARAC MATE		DENSITY OF M	ATERIALS						1470	GMS/L			1470
		DENSITY OF W	ATER					_	1012	GMS/L	ITER@		90 °F
RIVER		MIN	0.00	TIME		00:00	MAX 0.00	TIME	00:00	LOCATION Do	og Riv	er	
STA	GE	MIN	0.00	TIME		00:00	MAX 0.00	TIME	00:00	GAGE	DATUM MI	LLW	
WEATHER C	ONDITION	WEATHER	•				TEMP	VISIBILITY		WIND			
		Weather Caus	sed No Dela	ay			75 °F / 88 °F	10 MI		5 MPH			
		DRAFT						DISTRIBUT			MILES RUN		
	LIGHT		LOADED						AGITAT (MIN		DREDGE & HAUL (MIN		MILES RUN (NAUT MI)
FORWARD		6				17	7 EFFECTIVE WORKING TIME:						
AFT		9				17	PUMPING:			00:00	00	0:49	0.0
DRAG DEPTH	EPTH MAX 0 MIN 0			0			TURNING:			00:00	00	0:00	0.0
INDICATORS I	INDICATORS LAST CUECKER ON					TO DUMP:			00:00	06	6:19	0.0	
INDICATORS	INDICATORS LAST CHECKED ON 06/25/2014						CONNECTING:			00:00	00	0:00	0.0
	ED OF DREDGE	DURING	F7	Γ/ΜΙΝ		0	DUMPING:			00:00	00	0:08	0.0
	ED OF DREDGE	DURING	F	Γ/ΜΙΝ		0	DISCONNECTING:			00:00	00	0:00	0.0
AGITATING GALLONS OF F	UEL OIL CONSU	JMED		GAL		1 500	TO CUT:			00:00		3:24	0.0
GALLONS OF V	VATER CONSUM	ИED		GAL		587	TOTALS:			00:00	10	0:40	0.0
		WORK BEDEON	AED			307	NON-EFFECTIVE WO		T			<del></del>	
		WORK PERFORM	MED				TAKING ON FUEL AN TO AND FROM WHAR			00:00		2:40	0.0
NO.OF LOADS		AND HAULING	AL AREA			L CYS	ANCHORAGE:  LOSS DUE TO NATUR			00:00	00	0:00	0.0
3	5,244		8 & 9			0	ELEMENTS: LOSS DUE TO TRAFF			00:00	00	0:00	0.0
							BRIDGES			00:00	00	0:00	0.0
							MINOR OPERATING F TRANSFERRING BET			00:00		0:40	0.0
							WORKS	VVEEIN		00:00	00	0:00	0.0
		ATTENDANT PL	ANT				LAY TIME:			00:00	00	0:00	0.0
IT	EM	NAME OF	R NUMBER	ł	H.P.	HOURS	FIRE AND BOAT DRIL	LS:		00:00		0:00	0.0
40' Cre	ewboat	Cape	Anne		400	12:00	MISCELLANEOUS			00:00		0:00	0.0
							TOTALS			00:00	13	3:20	0.0
							LOST TIME:  MAJOR REPAIRS AND		1			<del></del>	
							ALTERNATIONS			00:00		0:00	0.0
							CESSATION:			00:00		0:00	0.0
							COLLISIONS:			00:00		0:00	0.0
							TOTALS:			00:00		0:00	0.0
							TOTAL TIME/MILES:			00:00	24	4:00	0.0

		QUALITY CONTRO	L REPORT-HOPPER	DREDGE		PAGE NO.	Page 84 of 279
CONTRACT NO		CONTRACT TITLE	CONTRACT	OR		REPORT NO.	
W91278-14-D	-0041 0001	Maintenance Dredging of Mobile Harbor	Dutra Dredgi	ng Company			42
DREDGE NAME AND TYPE Columbia					<b>DATE</b> 07/21/2014		
			LOADS			•	
LOAD NUMBER		DREDGING AREA DISPOSAL AREA	START TIME STOP TIME	PUMPING TURNING	DUI	DUMP MPING CUT	TOTAL TIME DREDGED AMOUNT AGITATED AMOUNT
			(HH:MM)	(MIN)	(1)	MIN)	(MIN/CYS)
1	Sta 600+00 to	660+00	00:00	19		191	214
	Cell 8 & 9		00:19	0		4	2,622
						0	0
2	Sta 600+00 to	660+00	16:54	29		188	413
	Cell 8 & 9		17:23	0		4	2,622
						192	0
3	Sta 600+00 to	660+00	23:47	1		0	13
	Cell 8 & 9		23:48	0	0		0
						12	0

#### **GENERAL COMMENTS**

640 Minutes @ 100% 640 Minutes @ 0%, repairs to STBD Main Engine Coolant Line 160 Minutes @ 0%, Take on Fuel, Water and Lubes

CONTRACTOR CERTIFICATION	material used an	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 85 of 279
CONTRACT NO		CONTRACT TI					CONTRACTOR			RE	EPORT NO.		
W91278-14-D CHARACTER O		Maintenance I	Oredging o	of Mob	ile Harbo	r	Dutra Dredging Comp	pany			ATE		43
REPORT	г	X MAINTEN	IANCE		NEW V	WORK					07/22/2014		
DRED	GE	HOPF	ER CAP:			4487 CY	AVG VOL OF BIN WATER: 4487 CY		4487 CY	AVG	UNFILLED CAF	):	0 CY
Colu	mbia	NO. OF CF MEMBEF			DREDG	iΕ	OTHER PLANT	WORK SCI	HEDULE	SHIF	TS PER DAY	DA	YS PER WEEK
		LOGATION OF	IANINIEI	DEAG	15	NED 074	2	DISPOSAL A	REA USE	OTY D	2 EPOSITED	CLIMI	7 JLATIVE AND QTY
LOCATIO WOR		LOCATION CH				SED; STA			INEX COL	GROSS(CY) DEPOSIT			OSIT FOR DA(CY) 263.266
		Mobile Ship Cha		Sta 60	JU to 660	and 460 to 6000 FT	AVG WIDTH OF CUT	Cell 8 & 9	400 FT	AVGI	7,866 <b> </b> DIST TO DUMP		203,200 32 NM
										GMS/L			
	HARACTER OF MATERIALS 14				1470	GIVIS/L	EK		1470				
		DENSITY OF W	ATER					T	1012	GMS/L	ITER@		90 °F
RIVER/		MIN	0.00	TIME		00:00	MAX 0.00	TIME	00:00	GAGE	LOCATION D	og Ri	ver
STAC	jE	MIN	0.00	TIME		00:00	MAX 0.00	TIME	00:00	GAGE	DATUM M	ILLW	
WEATHER C	ONDITION	WEATHER					TEMP						
		Weather Caus	sea No Dei	iay			73 °F / 87 °F	10 MI	•	5 MPH	MILES RUN		
		DIVALL						DIOTRIBUT	AGITAT		DREDGE	&	MILES RUN
	LIGHT		LOADED				(MIN)				HAUL (MIN		(NAUT MI)
FORWARD		6				17	EFFECTIVE WORKING TIME:			00:00 01:57			
AFT 9					17	PUMPING:						0.0	
DRAG DEPTH	DRAG DEPTH MAX 0 MIN 0					TURNING:			00:00		0:00	0.0	
INDICATORS LA	AST CHECKED C	ON 06/25/20 <sup>-</sup>	14				TO DUMP:  CONNECTING:			00:00		0:00	0.0
							DUMPING:			00:00		0:00	0.0
AVERAGE SPEE LOADING	ED OF DREDGE	DURING	F	T/MIN		0	DISCONNECTING:			00:00		0:00	0.0
AVERAGE SPEE AGITATING	D OF DREDGE	DURING	F	T/MIN		0	TO CUT:			00:00		2:02	0.0
GALLONS OF F	UEL OIL CONSU	JMED		GAL		2,891				00:00		4:00	0.0
GALLONS OF W	ATER CONSUM	MED		GAL		935	NON-EFFECTIVE WOR	RKING TIME				1.00	0.0
	١	WORK PERFORM	ИED	[			TAKING ON FUEL AND			00:00	0	0:00	0.0
	DREDGING A	ND HAULING			AGIT	ATING	TO AND FROM WHARI	OR		00:00	0	0:00	0.0
NO.OF LOADS	TOTAL CYS		AL AREA			L CYS	ANCHORAGE: LOSS DUE TO NATUR	AL		00:00	0	0:00	0.0
4	7,866	Cell	3 & 9			0	ELEMENTS: LOSS DUE TO TRAFFI	C AND		00:00	0	0:00	0.0
							BRIDGES MINOR OPERATING R	EPAIRS		00:00	0	0:00	0.0
							TRANSFERRING BETV WORKS	VEEN		00:00	0	0:00	0.0
		ATTENDANT DI	ANIT				LAY TIME:			00:00	0	0:00	0.0
		ATTENDANT PL					FIRE AND BOAT DRILI	_S:		00:00	0	0:00	0.0
			HOURS	MISCELLANEOUS			00:00	0	0:00	0.0			
40' Cre	wboat	Cape	Anne		400	12:00	TOTALS			00:00	0	0:00	0.0
					LOST TIME:								
				MAJOR REPAIRS AND ALTERNATIONS			00:00	0	0:00	0.0			
							CESSATION:			00:00	0	0:00	0.0
							COLLISIONS:			00:00	0	0:00	0.0
							TOTALS:			00:00	0	0:00	0.0
							TOTAL TIME/MILES:			00:00	2	4:00	0.0

	QUALIT	Y CONTROL REPORT-HOPPER	DREDGE		PAGE NO.	Page 86 of 279	
CONTRACT NO	). CONTRACT TITLE	CONTRACT	OR		REPORT N	10.	
W91278-14-E	0-0041 0001 Maintenance Dredging of Mo	bbile Harbor Dutra Dredgi	ing Company			43	
DREDGE	NAME AND TYPE Columbia	·					
	•	LOADS		•			
LOAD NUMBER	DREDGING AREA DISPOSAL AREA	START TIME STOP TIME	PUMPING TURNING	DUM TO	DUMP IPING CUT	TOTAL TIME DREDGED AMOUNT AGITATED AMOUNT	
		(HH:MM)	(MIN)		IN)	(MIN/CYS)	
1	Sta 660 to 600	00:00	37		.02	403	
	Cell 8 & 9	00:37	0		4	2,622	
				1	60	0	
2	Sta 660 to 600	06:43	38	1	75	408	
	Cell 8 & 9	07:21	0		4	2,622	
				1	91	0	
3	Sta 460 to 530	13:31	41	2	12	464	
	Cell 8 & 9	14:12	0		4	2,622	
				2	207	0	
4	Sta 460 to 530	21:15	1		0	165	
	Cell 8 & 9	21:16	0		0	0	
	1			1	64	0	

**GENERAL COMMENTS** 

CONTRACTOR CERTIFICATION	material used a	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 87 of 279
CONTRACT NO		CONTRACT TI					CONTRACTOR			RE	PORT NO.		
W91278-14-D CHARACTER O		Maintenance I	Oredging o	of Mobi	ile Harbo	r	Dutra Dredging Comp	oany				—	44
REPORT	,r	★ MAINTEN	NANCE		NEW \	WORK					ATE 07/23/2014		
DRED	OGE		ER CAP:			4487 CY	AVG VOL OF BIN WATER: 4487		4487 CY	AVG (	UNFILLED CAP	<b>'</b> :	0 CY
Colu	mbia	NO. OF CF MEMBER			DREDG	iΕ	OTHER PLANT	PLANT WORK SCHEDULE		SHIFTS PER DAY		DA	YS PER WEEK
LOCATIO	ON OF	LOCATION CH	IANNFI	REAC	15 H DREDO	SED; STA	Z TO STA	DISPOSAL A	REA USE	QTY D	EPOSITED (	CUMU	7 ILATIVE AND QTY
WOF		Mobile Ship Cha		Sta 460 to 530			100111	Cell 8 & 9		GROS	S(CY) 10,488	DEPO	OSIT FOR DA(CY) 273,754
		AVG LENGTH		Old H	30 10 330	6000 FT	AVG WIDTH OF CUT	00000	400 FT	AVG E	DIST TO DUMP	)	32 NM
CHARAC	TER OF	DENSITY OF M	ATERIALS						1470	GMS/L	ITER		1470
CHARAC MATER		DENSITY OF W	ATER				1012			GMS/L	ITER@		90 °F
	NIN 0.00 TIME 00:00 MAX 0.00 TIME				00:00	GAGE	LOCATION DO	og Riv					
RIVER/ STAC													
		MIN WEATHER	0.00	TIME		00:00	TEMP 0.00	0 TIME 00:00 G			DATUM M	ILLW	
WEATHER C	ONDITION		used No Delay 70 °F / 84 °F 10 MI				5 MPH	1					
DRAFT							DISTRIBUT	ION OF TIM	IE AND	MILES RUN			
	LIGHT		LOADED						AGITAT (MIN		DREDGE &		MILES RUN (NAUT MI)
FORWARD		6				17	EFFECTIVE MODIVING TIME			,			
AFT		9				17	PUMPING:			00:00	0:	2:12	0.0
DRAG DEPTH	MAX 0	MAX 0 MIN 0					TURNING:			00:00	0	0:00	0.0
INDICATORS LAST SUFSKER ON ASSISTANCE					TO DUMP:			00:00	10	0:13	0.0		
INDICATORS LAST CHECKED ON 06/25/2014						CONNECTING:			00:00	00	0:00	0.0	
AVERAGE SPEI LOADING	ED OF DREDGE	DURING	F	T/MIN		0	DUMPING:			00:00	00	0:12	0.0
	ED OF DREDGE	DURING	F	T/MIN		0	DISCONNECTING:			00:00		0:00	0.0
	UEL OIL CONSU	JMED		GAL		2,966	TO CUT:			00:00		0:23	0.0
GALLONS OF V	VATER CONSUM	MED		GAL		TOTALS:  561 NON-EFFECTIVE WORKING TIME:			00:00	23	3:00	0.0	
	,	WORK PERFORI	MED				TAKING ON FUEL AND			00:00	T 0	0:00	0.0
	DREDGING A	AND HAULING			AGIT	ATING	TO AND FROM WHARI			00:00		0:00	0.0
NO.OF LOADS	TOTAL CYS	DISPOS	AL AREA			L CYS	ANCHORAGE: LOSS DUE TO NATUR.	AL		00:00		0:00	0.0
4	10,488	Cell	8 & 9			0	ELEMENTS: LOSS DUE TO TRAFFI	C AND		00:00		1:00	0.0
							BRIDGES MINOR OPERATING R	EPAIRS		00:00		0:00	0.0
							TRANSFERRING BETV			00:00		0:00	0.0
							WORKS LAY TIME:			00:00	0	0:00	0.0
		ATTENDANT PL				l	FIRE AND BOAT DRILI	_S:		00:00	0	0:00	0.0
	EM		R NUMBER	R	H.P.	HOURS	MISCELLANEOUS			00:00	0	0:00	0.0
40' Cre	ewboat	Cape	Anne		400	12:00	TOTALS			00:00	0	1:00	0.0
							LOST TIME:		1				
							MAJOR REPAIRS AND ALTERNATIONS			00:00	0	0:00	0.0
							CESSATION:			00:00	0	0:00	0.0
							COLLISIONS:			00:00	00	0:00	0.0
							TOTALS:			00:00	Or	0:00	0.0
							TOTAL TIME/MILES:			00:00	24	4:00	0.0

		QUALITY CONTROL	REPORT-HOPPER	DREDGE		PAGE NO.	Page 88 of 279	
CONTRACT NO	).	CONTRACT TITLE	CONTRACT	REPORT NO.				
W91278-14-E	0-0041 0001	Maintenance Dredging of Mobile Harbor	Dutra Dredgi	ng Company	44			
DREDGE		NAME AND TYPE Columbia						
			LOADS			•		
LOAD NUMBER		DREDGING AREA DISPOSAL AREA	START TIME STOP TIME (HH:MM)	PUMPING TURNING (MIN)	DUM TO	DUMP MPING CUT MIN)	TOTAL TIME DREDGED AMOUNT AGITATED AMOUNT (MIN/CYS)	
1	Sta 460+00 to	530+00	00:00	35	,	229	290	
'	Cell 8 & 9			0	4 22		2,622 0	
2	Sta 460+00 to	530+00	04:50	35		181	417	
_	Cell 8 & 9		05:25	0		4 197	2,622 0	
3	Sta 460+00 to 530+00 Cell 8 & 9		12:47 13:26	39 0		203 451 4 2,622 205 0		
4	Sta 460+00 to Cell 8 & 9	530+00	20:18 20:41	23 0		0 0 199	222 2,622 0	

#### **GENERAL COMMENTS**

1380 Minutes @ 100% 60 Minutes @ 70%, Traffic

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						

			QUA	LITY	CONTR	OL REPO	ORT-HOPPER DRED	ЭE		PA	AGE NO.		Page 89 of 279
CONTRACT NO		CONTRACT TI					CONTRACTOR			RE	PORT NO.		
W91278-14-D CHARACTER O		Maintenance I	Oredging o	of Mobi	ile Harbo	r	Dutra Dredging Comp	oany			ATE		45
REPORT	Г	X MAINTEN	IANCE		NEW V	WORK					07/24/2014		
DRED	GE	HOPF	ER CAP:			4487 CY	AVG VOL OF BIN WATER: 4487 CY		4487 CY	AVG (	UNFILLED CAP	:	0 CY
Colu	mbia	NO. OF CF MEMBEF			DREDG	iΕ	OTHER PLANT	WORK SCI	HEDULE	SHIFT	TS PER DAY	DA	AYS PER WEEK
		LOCATION CL	IANINITI	DEAG	15	DED. OTA	2	DISPOSAL A	REA USE	OTY D	2 EPOSITED	CUMI	7 JLATIVE AND QTY
LOCATIO WOR		LOCATION CF  Mobile Ship Cha			60 to 530	GED; STA	10514	Cell 8 & 9					OSIT FOR DA(CY) 281.620
		AVG LENGTH		Sta 40	10 530	6000 FT	AVG WIDTH OF CUT	Cell 0 & 9	400 FT	1,000			32 NM
		DENSITY OF M.	ATERIAI S				1470				ITER	1470	
CHARACT MATER												—	
		DENSITY OF W	ATER					1012 G			ITER@ ———		90 °F
RIVER/ STAC		MIN	0.00	TIME		00:00	MAX 0.00	00 TIME 00:00 G			LOCATION Do	og Riv	ver
JIA	) <u> </u>	MIN	0.00	TIME		00:00					DATUM MI	LLW	
WEATHER C	ONDITION	WEATHER Weather Caus	ed No Del	av			TEMP 71 °F / 89 °F	VISIBILITY 10 MI		WIND 5 MPH	1		
		DRAFT	SCA NO DCI	шу			71 1 7 00 1		MILES RUN				
	LIGHT		LOADED						AGITAT		DREDGE 8		MILES RUN
FORWARD		6	LONDED			17	EFFECTIVE WORKING TIME:			)	HAUL (MIN	.)	(NAUT MI)
AFT		9				17				00:00	0,	1:46	0.0
DRAG DEPTH							TURNING:			00:00	00	0:00	0.0
DRAG DEFTH	IVIAX U		IVIIIN	0			TO DUMP:			12	2:14	0.0	
INDICATORS LA	TORS LAST CHECKED ON 06/25/2014 CONNECTING:			00:00	0(	0:00	0.0						
AVERAGE SPE	ED OF DREDGE	DURING	F	T/MIN			DUMPING:			00:00	00	0:12	0.0
LOADING	ED OF DREDGE			T/MIN		0	DISCONNECTING:			00:00	00	0:00	0.0
AGITATING	UEL OIL CONSU			GAL		0	TO CUT:			00:00	08	9:48	0.0
	ATER CONSUM			GAL			TOTALS:			00:00	24	4:00	0.0
OALLONG OF V	TATER CONSOR			OAL		748	NON-EFFECTIVE WOR	RKING TIME:					
	'	WORK PERFORM	MED				TAKING ON FUEL AND			00:00	00	0:00	0.0
NO OF LOADS		ND HAULING				ATING	TO AND FROM WHAR ANCHORAGE:			00:00	00	0:00	0.0
NO.OF LOADS 4	TOTAL CYS 7,866	Cell	AL AREA 8 & 9			L CYS 0	LOSS DUE TO NATUR ELEMENTS:			00:00	00	0:00	0.0
							LOSS DUE TO TRAFFI BRIDGES	CAND		00:00	00	0:00	0.0
							MINOR OPERATING R TRANSFERRING BET\			00:00		0:00	0.0
							WORKS	WEEN		00:00		0:00	0.0
		ATTENDANT PL	ANT				LAY TIME:			00:00		0:00	0.0
IT	EM	NAME OF	NUMBER	2	H.P.	HOURS	FIRE AND BOAT DRILI	LS:		00:00		0:00	0.0
40' Cre	wboat	Cape	Anne		400	12:00	MISCELLANEOUS			00:00		0:00	0.0
							TOTALS			00:00	00	0:00	0.0
							LOST TIME: MAJOR REPAIRS AND			00:00		0.00	2.2
							ALTERNATIONS			00:00		0:00	0.0
							CESSATION: COLLISIONS:			00:00		0:00	0.0
							TOTALS:			00:00		0:00	0.0
							TOTAL TIME/MILES:			00:00		4:00	0.0
							. J . , LE T IIVIL / IVIILLO.			55.00			0.0

		QUALITY CONTROL	REPORT-HOPPER	DREDGE		PAGE NO.	Page 90 of 279		
CONTRACT NO	).	CONTRACT TITLE	CONTRACT	OR		REPORT N	REPORT NO.		
W91278-14-D	-0041 0001	Maintenance Dredging of Mobile Harbor	Dutra Dredgi	ng Company		45			
DREDGE		NAME AND TYPE Columbia				<b>DATE</b> 07/24/201	4		
			LOADS			-			
LOAD NUMBER		DREDGING AREA DISPOSAL AREA	START TIME STOP TIME	PUMPING TURNING	DUI	DUMP MPING CUT	TOTAL TIME DREDGED AMOUNT AGITATED AMOUNT		
			(HH:MM)	(MIN)		ЛIN)	(MIN/CYS)		
1	Sta 460+00 to	530+00	00:00	8		207	219		
	Cell 8 & 9		80:00	0		4	0		
						0	0		
2	Sta 460+00 to	530+00	03:39	33		218	436		
	Cell 8 & 9		04:12	0		4	2,622		
						181	0		
3	Sta 460+00 to	530+00	10:55	33		204	438		
	Cell 8 & 9		11:28	0		4	2,622		
						197	0		
4	Sta 460+00 to	530+00	18:13	32		105	347		
	Cell 8 & 9		18:45	0		0	2,622		
						210	0		

**GENERAL COMMENTS** 

CONTRACTOR CERTIFICATION	material used a	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						

			QUA	ALITY	CONTRO	OL REPO	RT-HOPPER	DREDO	<b>GE</b>		PA	GE NO.		Page 91 of 279
CONTRACT NO		CONTRACT TI		of Mak	ila Uarba	_	CONTRACT				RE	PORT NO.		
W91278-14-D CHARACTER O		Maintenance I		dow to			Dutra Dredgi	ng Comp	pany		DA	.TE		46
REPORT	•	X  MAINTEN	NANCE		NEW V	VORK	Γ					07/25/2014		
DRED	GE		PER CAP:			4487 CY	AVG VOL OF BIN WATER: 4487 C		4487 CY	AVG U	JNFILLED CAP:		0 CY	
Colu	mbia	NO. OF CF MEMBER			DREDG	E	OTHER PL	ANT	WORK SCI	HEDULE	SHIFT	S PER DAY	DA	YS PER WEEK
LOCATIO	ON OF	LOCATION CH	IANNEL	REAC	15 H DREDG	SED; STA	TO STA		DISPOSAL A	REA USE				7 JLATIVE AND QTY
WOF		Mobile Ship Cha	nnel	Sta 46	0 to 530				Cell 8 & 9		GROS	5(CY) 7,866	DEP	OSIT FOR DA(CY) 289,486
		AVG LENGTH	OF CUT			6000 FT	AVG WIDTH (	OF CUT	•	400 FT	AVG D	DIST TO DUMP		32 NM
CHARAC	TER OF	DENSITY OF M	ATERIALS	3						1470	GMS/LI	TER		1470
MATER		DENSITY OF W	ATER							1012	GMS/LI	TER@		90 °F
RIVER/	TIDE	MIN	0.00	TIME		00:00	MAX	0.00	TIME	00:00	GAGE	LOCATION Do	g Riv	er
STAC		MIN	0.00	TIME		00:00	MAX	0.00	TIME	00:00	GAGE	DATUM MI	LW	
WEATHER C	ONDITION	WEATHER					TEMP		VISIBILITY		WIND			
		Weather Caus	sed No De	lay			71 °F / 89	) °F	10 MI DISTRIBUT	ION OF TIM	5 MPH			
		DRAFI							DISTRIBUT	AGITA		DREDGE 8	. 1	MILES RUN
500,4400	LIGHT		LOADED				EFFECTIVE W	(MIN) FECTIVE WORKING TIME:			HAUL (MIN	)	(NAUT MI)	
FORWARD		6				17	PUMPING:				00:00 01:27			0.0
AFT	9					17	TURNING:				00:00		:00	0.0
DRAG DEPTH	EPTH MAX 0 MIN 0				TO DUMP:				00:00		:56	0.0		
INDICATORS LA	AST CHECKED (	ON 06/25/20	14				CONNECTING	:		00:00			:00	0.0
AVEDACE SDEE		DUDING		FT/MIN			DUMPING:				00:00	00	16	0.0
LOADING AVERAGE SPE	ED OF DREDGE					0	DISCONNECT	ING:			00:00	00	:00	0.0
AGITATING				T/MIN		0	TO CUT:				00:00	10	):21	0.0
	UEL OIL CONSU			GAL		3,155	TOTALS:				00:00	24	:00	0.0
GALLONS OF V	VATER CONSUM	ЛЕD		GAL		935	NON-EFFECTI	VE WOR	RKING TIME:			•		
	<u>'</u>	WORK PERFORI	MED				TAKING ON FU	JEL AND	SUPPLIES		00:00	00	00:	0.0
		AND HAULING				ATING	TO AND FROM ANCHORAGE:				00:00	00	00:	0.0
NO.OF LOADS 5	TOTAL CYS 7,866	DISPOS. Cell	AL AREA 8&9			L CYS D	LOSS DUE TO ELEMENTS:				00:00	00	:00	0.0
							LOSS DUE TO BRIDGES	TRAFFI	C AND		00:00	00	:00	0.0
							MINOR OPERA				00:00	00	00:	0.0
							TRANSFERRII WORKS	NG BETV	VEEN		00:00	00	:00	0.0
		ATTENDANT PL	ANT				LAY TIME:				00:00	00	:00	0.0
IT	EM	NAME OF	R NUMBER	₹	H.P.	HOURS	FIRE AND BOA	AT DRILL	_S:		00:00	00	:00	0.0
40' Cre	ewboat	Cape	Anne		400	12:00	MISCELLANEO	DUS			00:00	00	00:	0.0
							TOTALS				00:00	00	00:	0.0
							LOST TIME:	DO **:-					,	
							MAJOR REPAI ALTERNATION				00:00	00	00:	0.0
							CESSATION:				00:00	00	00:	0.0
							COLLISIONS:				00:00	00	00:	0.0
							TOTALS:				00:00		00:	0.0
							TOTAL TIME/N	IILES:			00:00	24	:00	0.0

		QUALITY CONTROL	REPORT-HOPPER	DREDGE	PAGE NO.	Page 92 of 279
CONTRACT NO	).	CONTRACT TITLE	CONTRACTO	OR .	REPORT N	0.
W91278-14-D	0-0041 0001	Maintenance Dredging of Mobile Harbor	Dutra Dredgi	ng Company		46
DREDGE		NAME AND TYPE Columbia			<b>DATE</b> 07/25/201	4
			LOADS			
LOAD NUMBER		DREDGING AREA DISPOSAL AREA	START TIME STOP TIME	PUMPING TURNING	TO DUMP DUMPING TO CUT	TOTAL TIME DREDGED AMOUNT AGITATED AMOUNT
			(HH:MM)	(MIN)	(MIN)	(MIN/CYS)
1 Sta 460+00 to 530+00		530+00	00:00	1	96	101
	Cell 8&9		00:01	0	4	0
					0	0
2	Sta 460+00 to	530+00	01:41	29	219	435
	Cell 8&9		02:10	0	4	2,622
					183	0
3	Sta 460+00 to	530+00	08:56	31	205	424
	Cell 8&9		09:27	0	4	2,622
					184	0
4	Sta 460+00 to	530+00	16:00	25	196	441
	Cell 8&9		16:25	0	4	2,622
					216	0
5	Sta 460+00 to	530+00	23:21	1	0	39
-	Cell 8&9		23:22	0	0	0
	00000				38	0

PAGE NO.

QC NARRATIVE(S)

**GENERAL COMMENTS** 

CONTRACTOR CERTIFICATION	material used a	and work performed during	is Report is complete and correct a this Reporting period are in complia knowledge, except as noted above	ance with the contract
QC REPRESENTATIVE'S SIGNATURE		DATE	SUPERINTENDENT'S INITIALS	DATE

			QUA	LITY	CONTR	OL REPO	ORT-HOPPER DREDG	<b>SE</b>		PA	GE NO.		Page 93 of 279
CONTRACT NO		CONTRACT TI					CONTRACTOR			RE	PORT NO.		
W91278-14-D		Maintenance I	Oredging o	f Mobi	ile Harbo	r	Dutra Dredging Comp	any					47
CHARACTER C REPORT	)F	X MAINTEN	NANCE		NEW \	WORK					ATE 07/26/2014		
DRED	OGE	HOPF	PER CAP:			4487 CY	AVG VOL OF BIN WAT	ER:	4487 CY	AVG L	JNFILLED CAP	<u>':</u>	0 CY
Colu	mbia	NO. OF CF MEMBEF			DREDG	iΕ	OTHER PLANT	WORK SC	HEDULE	SHIFT	S PER DAY	DA	YS PER WEEK
LOCATION	ON OF	LOCATION CH	ΙΔΝΝΕΙ	REAC	15 H DREDO	SED; STA	2 TO STA	DISPOSAL A	REA USE	QTY DI	2 EPOSITED	CUMU	7 ILATIVE AND QTY
WOI		Mobile Ship Cha			60 to 530	JLD, 0171	10017	Cell 8 & 9		GROSS	S(CY) 10.488	DEPO	OSIT FOR DA(CY) 299,974
		AVG LENGTH		31a 40	0 10 330	6000 FT	AVG WIDTH OF CUT	OCH O & S	400 FT	AVG D	DIST TO DUMP		32 NM
CHARAC	TER OF	DENSITY OF M	ATERIALS	S					1470	GMS/LI	TER		1470
MATE		DENSITY OF W	ATER						1012	GMS/LI	TER@		90 °F
		MIN	0.00	TIME		00:00	MAX 0.00	TIME	00:00	GAGE	LOCATION Do	og Riv	er
RIVER/ STA		MIN	0.00	TIME		00:00	MAX 0.00	TIME	00:00	GAGE	DATUM MI	LLW	
MEATHER	ONDITION	WEATHER					TEMP	VISIBILITY		WIND			
WEATHER C	ONDITION	Weather Caus	sed No Dela	ay			73 °F / 91 °F	10 MI		5 MPH			
		DRAFT						DISTRIBUT	ION OF TIM	IE AND	MILES RUN		
	LIGHT		LOADED						AGITAT (MIN		DREDGE & HAUL (MIN		MILES RUN (NAUT MI)
FORWARD		6				17	EFFECTIVE WORKING	RKING TIME:					
AFT		9				17	PUMPING:			00:00	0′	1:31	0.0
DRAG DEPTH	AG DEPTH MAX 0 MIN 0			0			TURNING:			00:00	00	0:00	0.0
INDICATORS	AST CHECKED (	ON 00/05/00	1.4				TO DUMP:			00:00	10	0:22	0.0
INDICATORS L	451 CHECKED (	ON 06/25/20 <sup>2</sup>	14				CONNECTING:			00:00	00	0:00	0.0
	ED OF DREDGE	DURING	FT	/MIN		0	DUMPING:			00:00	00	0:12	0.0
	ED OF DREDGE	DURING	FT	/MIN		0	DISCONNECTING:			00:00	00	0:00	0.0
AGITATING GALLONS OF F	UEL OIL CONSU	JMED		GAL		2,670	TO CUT:			00:00		0:38	0.0
GALLONS OF V	VATER CONSUM	ИED		GAL		935	TOTALS:			00:00	22	2:43	0.0
						933	NON-EFFECTIVE WOR	KING TIME:	ī		<del></del>		
		WORK PERFORM	MED	1			TAKING ON FUEL AND TO AND FROM WHARF			00:00		0:00	0.0
NO.OF LOADS		AND HAULING	AL AREA			L CYS	ANCHORAGE:  LOSS DUE TO NATURA			00:00	00	0:00	0.0
4	10,488		8&9			0	ELEMENTS:  LOSS DUE TO TRAFFIE			00:00		0:00	0.0
							BRIDGES			00:00		0:25	0.0
							MINOR OPERATING RI			00:00		0:52	0.0
							WORKS	VEE:14		00:00		0:00	0.0
		ATTENDANT PL	ANT				LAY TIME:	2		00:00		0:00	0.0
IT	EM	NAME OF	RNUMBER	!	H.P.	HOURS	FIRE AND BOAT DRILL	-8:		00:00		0:00	0.0
40' Cre	ewboat	Cape	Anne		400	12:00	MISCELLANEOUS			00:00		0:00	0.0
							TOTALS  LOST TIME:			00:00		1:17	0.0
							MAJOR REPAIRS AND			00:00	0.	0:00	0.0
							ALTERNATIONS CESSATION:			00:00		0:00	0.0
							COLLISIONS:			00:00		0:00	0.0
							TOTALS:			00:00		0:00	0.0
							TOTAL TIME/MILES:			00:00		4:00	0.0
i		<u> </u>				L			<u> </u>				

		QUALITY CONTROL	REPORT-HOPPER	DREDGE		PAGE NO.	Page 94 of 279
CONTRACT NO W91278-14-D		CONTRACT TITLE  Maintenance Dredging of Mobile Harbor		REPORT N	O. 47		
DREDGE		NAME AND TYPE Columbia		<b>DATE</b> 07/26/201	4		
			LOADS			_	
LOAD NUMBER		DREDGING AREA DISPOSAL AREA	START TIME STOP TIME	PUMPING TURNING	DUI	DUMP MPING CUT	TOTAL TIME DREDGED AMOUNT AGITATED AMOUNT
			(HH:MM)	(MIN)		MIN)	(MIN/CYS)
1	1 Sta 460+00 to 530+00		00:00	36		223	408
	Cell 8&9		00:36	0		4	2,622
						145	0
2	Sta 460+00 to	530+00	06:48	29	1	205	437
	Cell 8&9		07:17	0		4	2,622
						199	0
3	Sta 460+00 to	530+00	14:57	25		194	423
	Cell 8&9		15:22	0		4	2,622
	00000					200	0
4	Sta 460+00 to	530+00	22:25	1		0	95
	Cell 8&9		22:26	0		0	2,622
	0000.0					94	0

#### **GENERAL COMMENTS**

1363 Minutes @ 100% 25 Minutes @ 70% 52 Minutes @ 0%, hydraullic repairs

CONTRACTOR CERTIFICATION	material used a	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							

			QUA	LITY	CONTR	OL REPO	ORT-HOPPER DRED	GE		PA	AGE NO.		Page 95 of 279
CONTRACT NO		CONTRACT TI					CONTRACTOR			RE	PORT NO.		
W91278-14-D		Maintenance I	Oredging o	of Mobi	ile Harbo	r	Dutra Dredging Comp	oany					48
CHARACTER O REPORT	)F	X MAINTEN	NANCE		NEW \	WORK					ATE 07/27/2014		
DRED	OGE	HOPF	PER CAP:			4487 CY	AVG VOL OF BIN WAT	ΓER:	4487 CY	AVG (	JNFILLED CAP	<b>)</b> :	0 CY
Colu	mbia	NO. OF CF MEMBER			DREDG	iΕ	OTHER PLANT WORK SCHEDU		HEDULE	SHIFT	rs per day	DA	YS PER WEEK
LOCATIO	ON OF	LOCATION CH	ΙΔΝΝΕΙ	REAC	15 H DREDO	SED; STA	2 TO STA	DISPOSAL A	REA USE	QTY D	2 EPOSITED	CUMU	7 ILATIVE AND QTY
LOCATIO WOF		Mobile Ship Cha			60 to 530	DLD, STA	1001A	Cell 8 & 9		GROS	S(CY) 10,540	DEPO	OSIT FOR DA(CY) 310,514
		AVG LENGTH		6000 FT			AVG WIDTH OF CUT	och o a s	400 FT	AVG [	DIST TO DUMP	,	32 NM
0114540	TED 05	DENSITY OF M	ATERIALS						1470	GMS/L	 ITER		1470
	CHARACTER OF MATERIAL DENSITY OF WATER		ATER						1012	GMS/L	ITER@		90 °F
	MIN 0.00 TIME 00:00 MAX		MAX 0.00	TIME	00:00	GAGE	LOCATION D	og Riv					
RIVER/ STAC					•								
		MIN WEATHER	0.00	TIME		00:00	MAX 0.00	TIME	00:00	WIND	DATUM M	ILLW	
WEATHER C	ONDITION	Weather Caus	sed No Dela	ay			79 °F / 93 °F	10 MI		17 MP	Н		
		DRAFT						DISTRIBUT	ION OF TIM	IE AND	MILES RUN		
	LIGHT		LOADED						AGITAT (MIN		DREDGE (		MILES RUN (NAUT MI)
FORWARD		6				17	EFFECTIVE WORKING	,		,		<u>/</u>	
AFT		9 17 PUMPING:					00:00	0:	2:15	0.0			
DRAG DEPTH	MAX 0 MIN 0			0			TURNING:			00:00	0	0:09	0.0
NDICATORS LAST CHECKED ON 06/25/2014						TO DUMP:			00:00	1	0:19	0.0	
INDIOATOROLA	AOT CHECKED	JIN 00/23/20	14				CONNECTING:			00:00	0	0:00	0.0
AVERAGE SPEI LOADING	ED OF DREDGE	DURING	F7	Γ/ΜΙΝ		0	DUMPING:			00:00	0	0:12	0.0
	ED OF DREDGE	DURING	F7	Γ/ΜΙΝ		0	DISCONNECTING:			00:00		0:00	0.0
	UEL OIL CONSU	JMED		GAL		2,603	TO CUT:			00:00		1:05	0.0
GALLONS OF V	VATER CONSUM	ИED		GAL		748	TOTALS:  NON-EFFECTIVE WOF	OKINIC TIME:		00:00	2	4:00	0.0
	,	WORK PERFORI	MED				TAKING ON FUEL AND			00:00	T 0	0:00	0.0
	DREDGING A	AND HAULING			AGIT	ATING	TO AND FROM WHAR			00:00		0:00	0.0
NO.OF LOADS	TOTAL CYS	DISPOS	AL AREA			L CYS	ANCHORAGE: LOSS DUE TO NATUR	AL		00:00		0:00	0.0
4	10,540	Cell	8 & 9			0	ELEMENTS: LOSS DUE TO TRAFFI	C AND		00:00		0:00	0.0
							BRIDGES MINOR OPERATING R	EPAIRS		00:00		0:00	0.0
							TRANSFERRING BET\			00:00		0:00	0.0
							WORKS LAY TIME:			00:00	0	0:00	0.0
		ATTENDANT PL				l	FIRE AND BOAT DRILI	LS:		00:00	0	0:00	0.0
	EM		NUMBER	ł.	H.P.	HOURS	MISCELLANEOUS			00:00	0	0:00	0.0
40' Cre	ewboat	Cape	Anne		400	12:00	TOTALS			00:00	0	0:00	0.0
							LOST TIME:		1		<u></u>		
							MAJOR REPAIRS AND ALTERNATIONS	1		00:00	0	0:00	0.0
							CESSATION:			00:00	0	0:00	0.0
							COLLISIONS:			00:00	0	0:00	0.0
							TOTALS:			00:00	0	0:00	0.0
							TOTAL TIME/MILES:			00:00	2	4:00	0.0

		QUALITY CONTRO	L REPORT-HOPPER	DREDGE		PAGE NO.	Page 96 of 279
CONTRACT NO	).	CONTRACT TITLE	CONTRACT	OR		REPORT NO	
W91278-14-D	-0041 0001	Maintenance Dredging of Mobile Harbor	Dutra Dredgi		48		
DREDGE		NAME AND TYPE Columbia				<b>DATE</b> 07/27/2014	
		-	LOADS				
LOAD NUMBER		DREDGING AREA DISPOSAL AREA	START TIME STOP TIME	PUMPING TURNING	DUI	DUMP MPING CUT	TOTAL TIME DREDGED AMOUNT AGITATED AMOUNT
			(HH:MM)	(MIN)		ΛIN)	(MIN/CYS)
1	Sta 460+00 to	530+00	00:00	33		202	343
	Cell 8 & 9		00:33	0		4	2,635
						104	0
2	Sta 460+00 to	530+00	05:43	35		215	436
	Cell 8 & 9		06:18	0		4	2,635
						182	0
3	Sta 460+00 to	530+00	12:59	42		193	438
	Cell 8 & 9		13:50	9		4	2,635
	0000					190	0
4	Sta 460+00 to	530+00	20:17	25		9	223
	Cell 8 & 9		20:42	0		0	2,635
	35 3 4 0					189	0

**GENERAL COMMENTS** 

CONTRACTOR CERTIFICATION	material used a	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						

			QUA	LITY	CONTR	OL REPO	ORT-HOPPER DRED	GE		PA	GE NO.	ı	Page 97 of 279
CONTRACT NO		CONTRACT TI		f Mah	ila Uarba	_	CONTRACTOR			RE	PORT NO.		
W91278-14-D CHARACTER O		Maintenance I		dolvi 1			Dutra Dredging Com	ipany		DA			49
REPORT	'	X   MAINTEN	NANCE		NEW \	NORK					7/28/2014		
DRED	GE	HOPF	PER CAP:			4487 CY	AVG VOL OF BIN WA	TER:	4487 CY	AVG L	INFILLED CAP:	:	0 CY
Colu	mbia	NO. OF CF MEMBEF			DREDG	E	OTHER PLANT	WORK SO	HEDULE	SHIFT	S PER DAY	DA'	YS PER WEEK
					15		2	DISPOSAL	AREA LISE	OTV DE	2 EPOSITED C	1 11/41 1	7 LATIVE AND QTY
LOCATIO WOR		LOCATION CH				GED; STA	TOSTA		WEN OOL	GROSS	S(CY)		OSIT FOR DA(CY)
		Mobile Ship Cha		Sta 46	60 to 530	6000 FT	AVG WIDTH OF CUT	Cell 8 & 9	400 FT	AVG D	7,905   ST TO DUMP		318,419 32 NM
							AVG WIBTH OF GOT						
CHARACT MATER		DENSITY OF M	ATERIALS						1470	GMS/LI			1470
		DENSITY OF W	ATER						1012	GMS/LI	TER@		90 °F
RIVER/		MIN	0.00	TIME		00:00	MAX 0.00	TIME	00:00	GAGE I	OCATION Do	g Riv	er
STAC	GE .	MIN	0.00	TIME		00:00	MAX 0.00	TIME	00:00	GAGE [	DATUM MI	LW	
WEATHER C	ONDITION	WEATHER					TEMP	VISIBILITY		WIND			
		Weather Caus	sed No Dela	ay			79 °F / 95 °F	10 MI		18 MPI	<u> </u>		
		DRAFT						DISTRIBU	TION OF TIM	IE AND	MILES RUN		
	LIGHT		LOADED						AGITAT (MIN		DREDGE 8 HAUL (MIN		MILES RUN (NAUT MI)
FORWARD		6				17	EFFECTIVE WORKING	G TIME:					
AFT		9				17	PUMPING:			00:00	01	:48	0.0
DRAG DEPTH	MAX 0		MIN	0			TURNING:			00:00	00	):10	0.0
INIDIOATODO I	0.0000000000000000000000000000000000000	ON 00/05/00					TO DUMP:			00:00	12	2:06	0.0
INDICATORS LA	AST CHECKED (	ON 06/25/20 <sup>2</sup>	14				CONNECTING:			00:00	00	0:00	0.0
AVERAGE SPE	ED OF DREDGE	DURING	F1	/MIN		0	DUMPING:			00:00	00	):12	0.0
LOADING AVERAGE SPE	ED OF DREDGE	DURING	F7	/MIN		0	DISCONNECTING:			00:00	00	0:00	0.0
AGITATING GALLONS OF F	UEL OIL CONSU	JMED		GAL			TO CUT:			00:00	08	9:44	0.0
	VATER CONSUN			GAL			TOTALS:			00:00	24	1:00	0.0
ONEEDING OF T				O/ LL		748	NON-EFFECTIVE WO	RKING TIME:	_				
		WORK PERFORM	MED				TAKING ON FUEL AN			00:00	00	0:00	0.0
		AND HAULING				ATING	TO AND FROM WHAR ANCHORAGE:			00:00	00	0:00	0.0
NO.OF LOADS 4	TOTAL CYS 7,905		AL AREA 8 & 9			L CYS 0	LOSS DUE TO NATUR ELEMENTS:			00:00	00	0:00	0.0
							LOSS DUE TO TRAFF BRIDGES	TIC AND		00:00	00	0:00	0.0
							MINOR OPERATING F	REPAIRS		00:00	00	0:00	0.0
							TRANSFERRING BET WORKS	WEEN		00:00	00	0:00	0.0
		L ATTENDANT PLA	ANT				LAY TIME:			00:00	00	0:00	0.0
ІТ	EM	1	R NUMBER		H.P.	HOURS	FIRE AND BOAT DRIL	.LS:		00:00	00	0:00	0.0
40' Cre			Anne		400	12:00	MISCELLANEOUS			00:00	00	0:00	0.0
40 016	wboat	Саре	Aille		400	12.00	TOTALS			00:00	00	0:00	0.0
							LOST TIME:						
							MAJOR REPAIRS AND ALTERNATIONS	)		00:00	00	0:00	0.0
							CESSATION:			00:00	00	0:00	0.0
							COLLISIONS:			00:00	00	0:00	0.0
							TOTALS:			00:00	00	0:00	0.0
							TOTAL TIME/MILES:			00:00	24	1:00	0.0

		QUALITY CONTROL	REPORT-HOPPER	DREDGE		PAGE NO.	Page 98 of 279
CONTRACT NO	).	CONTRACT TITLE	CONTRACTO	OR		REPORT N	0.
W91278-14-D	-0041 0001	Maintenance Dredging of Mobile Harbor	Dutra Dredgi	ng Company		49	
DREDGE		NAME AND TYPE Columbia				<b>DATE</b> 07/28/201	14
		-	LOADS				
LOAD NUMBER		DREDGING AREA DISPOSAL AREA	START TIME STOP TIME	PUMPING TURNING	DUN	DUMP MPING CUT	TOTAL TIME DREDGED AMOUNT AGITATED AMOUNT
			(HH:MM)	(MIN)		/IN)	(MIN/CYS)
1	Sta 460+00 to	530+00	00:00	1		206	211
	Cell 8 & 9		00:01	0		4	0
						0	0
2	Sta 460+00 to	530+00	03:31	37		221	453
	Cell 8 & 9		04:08	0		4	2,635
	0000.0					191	0
3	Sta 460+00 to	530+00	11:04	47		196	448
	Cell 8 & 9		12:01	10		4	2,635
						191	0
4	Sta 460+00 to	530+00	18:32	23		103	328
	Cell 8 & 9		18:55	0		0	2,635
						202	0

**GENERAL COMMENTS** 

CONTRACTOR CERTIFICATION	material used a	and work performed during t	is Report is complete and correct a his Reporting period are in complia knowledge, except as noted above.	ance with the contract
QC REPRESENTATIVE'S SIGNATURE		DATE	SUPERINTENDENT'S INITIALS	DATE

			QUA	LITY	CONTR	OL REPO	ORT-HOPPER DRED	GE		PA	GE NO.	ļ	Page 99 of 279
CONTRACT NO W91278-14-D		CONTRACT TI		f Mah	ilo Harbo		CONTRACTOR  Dutro Prodoing Com	nony		RE	PORT NO.		
CHARACTER C		Maintenance I		dow to			Dutra Dredging Com	pany		DA	.TE	—	50
REPORT	<b>''</b>	X  MAINTEN	NANCE		NEW \	WORK					07/29/2014		
DRED	OGE	HOPF	PER CAP:			4487 CY	AVG VOL OF BIN WA	TER:	4487 CY	AVG L	JNFILLED CAP	:	0 CY
Colu	mbia	NO. OF CF MEMBEF			DREDG	Ε	OTHER PLANT	WORK SC	HEDULE	SHIFT	S PER DAY	DA'	YS PER WEEK
					15		2	DISPOSAL A	DEA LISE	OTV DI	2 EPOSITED	CLIMILI	7 ILATIVE AND QTY
LOCATION WOR		LOCATION CH				GED; STA	TOSTA		WEN OOL	GROSS	S(CY)		OSIT FOR DA(CY)
		Mobile Ship Cha		Sta 46	60 to 530	6000 FT	AVG WIDTH OF CUT	Cell 8 & 9	400 FT	AVC D	10,540   DIST TO DUMP		328,959 32 NM
						000011	AVG WIDTH OF COT						
CHARAC MATE		DENSITY OF M	ATERIALS						1470	GMS/LI	TER		1470
,		DENSITY OF W	ATER					1	1012	GMS/LI	TER@		90 °F
RIVER		MIN	0.00	TIME		00:00	MAX 0.00	TIME	00:00	GAGE I	LOCATION Do	og Riv	er
STA	GE	MIN	0.00	TIME		00:00	MAX 0.00	TIME	00:00	GAGE I	DATUM MITAC	LLW	
WEATHER C	ONDITION	WEATHER	ı				TEMP	VISIBILITY		WIND			
		Weather Caus	sed No Del	ay			79 °F / 89 °F	10 MI		17 MPI			
		DRAFT						DISTRIBUT			MILES RUN		1411 EQ BUIL
	LIGHT		LOADED						AGITAT (MIN		DREDGE 8 HAUL (MIN		MILES RUN (NAUT MI)
FORWARD		6				17	EFFECTIVE WORKING	G TIME:					
AFT		9				17	PUMPING:			00:00	01	1:32	0.0
DRAG DEPTH	MAX 0		MIN	0			TURNING:			00:00	00	0:21	0.0
INDICATORS L	AST CHECKED (	ON 06/25/20 <sup>-</sup>	1.4				TO DUMP:			00:00	12	2:09	0.0
INDICATORS	AOT CHECKED	00/23/20	14				CONNECTING:			00:00	00	0:00	0.0
	ED OF DREDGE	DURING	F	Γ/ΜΙΝ		0	DUMPING:			00:00	00	0:16	0.0
	ED OF DREDGE	DURING	F	Γ/ΜΙΝ		0	DISCONNECTING:			00:00	00	0:00	0.0
AGITATING GALLONS OF F	UEL OIL CONSU	JMED		GAL		2 839	TO CUT:			00:00		9:42	0.0
GALLONS OF V	VATER CONSUM	ИED		GAL		935	TOTALS:			00:00	24	4:00	0.0
						933	NON-EFFECTIVE WO	RKING TIME:					
		WORK PERFORM	MED				TAKING ON FUEL ANI TO AND FROM WHAR			00:00	00	0:00	0.0
NO.OF LOADS		AND HAULING	AL AREA			L CYS	ANCHORAGE:  LOSS DUE TO NATUR			00:00	00	0:00	0.0
5	10,540		8 & 9			0	ELEMENTS: LOSS DUE TO TRAFF			00:00	00	0:00	0.0
							BRIDGES	IC AND		00:00	00	0:00	0.0
							MINOR OPERATING F			00:00		0:00	0.0
							TRANSFERRING BET WORKS	VVEEN		00:00	00	0:00	0.0
		ATTENDANT PL	ANT				LAY TIME:			00:00	00	0:00	0.0
IT	EM	NAME OF	NUMBER	R	H.P.	HOURS	FIRE AND BOAT DRIL	LS:		00:00	00	0:00	0.0
40' Cre	ewboat	Cape	Anne		400	12:00	MISCELLANEOUS			00:00	00	0:00	0.0
							TOTALS			00:00	00	0:00	0.0
							LOST TIME:						
							MAJOR REPAIRS AND ALTERNATIONS	,		00:00	00	0:00	0.0
							CESSATION:			00:00	00	0:00	0.0
							COLLISIONS:			00:00	00	0:00	0.0
							TOTALS:			00:00	00	0:00	0.0
							TOTAL TIME/MILES:			00:00	24	4:00	0.0

		OUALITY CONTROL	DEDORT HODDER	DDEDOE		PAGE NO.	
		QUALITY CONTROL	. REPORT-HOPPER	DREDGE			Page 100 of 279
CONTRACT NO	).	CONTRACT TITLE	CONTRACT	OR		REPORT N	0.
W91278-14-E	0-0041 0001	Maintenance Dredging of Mobile Harbor	Dutra Dredgi	ng Company			50
DREDGE		NAME AND TYPE Columbia				<b>DATE</b> 07/29/201	4
		1	LOADS				
LOAD NUMBER		DREDGING AREA DISPOSAL AREA	START TIME STOP TIME (HH:MM)	PUMPING TURNING (MIN)	DUN TO	DUMP MPING CUT MIN)	TOTAL TIME DREDGED AMOUNT AGITATED AMOUNT (MIN/CYS)
1	Sta 460+00 to	530+00	00:00	1		100	105
'	Cell 8 & 9		00:01	0		4	2,635
	Cell o & 3					0	0
2	Sta 460+00 to	530+00	01:45	28		217	457
	Cell 8 & 9		02:25	12		4	2,635
						196	0
3	Sta 460+00 to	530+00	09:22	31		203	435
	Cell 8 & 9		10:02	9		4	2,635
						188	0
4	Sta 460+00 to	530+00	16:37	31		209	442
	Cell 8 & 9		17:08	0		4	2,635
						198	0
5	Sta 460+00 to	530+00	23:59	1		0	1
	Cell 8 & 9		24:00	0		0	0
						0	0

**GENERAL COMMENTS** 

CONTRACTOR CERTIFICATION	material used ar	nd work performed during t	is Report is complete and correct a his Reporting period are in complia knowledge, except as noted above.	nce with the contract
QC REPRESENTATIVE'S SIGNATURE		DATE	SUPERINTENDENT'S INITIALS	DATE

			QUA	LITY	CONTR	OL REPO	ORT-HOPPER DREDO	3E		PA	AGE NO.	P	age 101 of 279
CONTRACT NO		CONTRACT TI					CONTRACTOR			RE	EPORT NO.		.90 .01 0. 2.0
W91278-14-D		Maintenance I	Oredging o	of Mobi	ile Harbo	r	Dutra Dredging Comp	any					51
CHARACTER C REPORT	)F	X MAINTEN	NANCE		NEW \	NORK					ATE 07/30/2014		
DRED	OGE	HOPF	PER CAP:			4487 CY	AVG VOL OF BIN WAT	ER:	4487 CY	AVG I	UNFILLED CAP:		0 CY
Colu	mbia	NO. OF CF MEMBEF			DREDG	βE	OTHER PLANT	WORK SC	HEDULE	SHIFT	TS PER DAY	DA	/S PER WEEK
				2540	15		2	DISPOSAL A	REAUSE	OTV D	2 EPOSITED C	I INALI	7 LATIVE AND QTY
LOCATION WOR		LOCATION CH				GED; STA	TOSTA			GROS	S(CY)		SIT FOR DA(CY)
		Mobile Ship Cha		Sta 46	60 to 530	6000 FT	AVG WIDTH OF CUT	Cell 8 & 9	400 FT	AVG [	7,905   DIST TO DUMP		336,864 32 NM
		DENSITY OF M.	ΔΤΕΡΙΔΙ S						1470	GMS/L	ITER		1470
CHARAC <sup>*</sup> MATEI											<del>.</del>		
		DENSITY OF W	ATER					1	1012	GMS/L	ITER@		90 °F
RIVER/ STA		MIN	0.00	TIME		00:00	MAX 0.00	TIME	00:00	GAGE	LOCATION Do	g Rive	er
SIA	JE.	MIN	0.00	TIME		00:00	MAX 0.00	TIME	00:00	GAGE	DATUM ML	LW	
WEATHER C	ONDITION	WEATHER Weather Caus	ed No Del	21/			TEMP 66 °F / 86 °F	VISIBILITY 10 MI		WIND 12 MP			
		DRAFT	SCO INO DOR	шу			00 1 7 00 1	•	ION OF TIM		MILES RUN		
	LIGHT		LOADED						AGITAT		DREDGE &		MILES RUN
FORWARD	LIGHT	6	LOADED			17	EFFECTIVE WORKING	TIME:	(MIN)	1)	HAUL (MIN)	)	(NAUT MI)
AFT		9				17	PUMPING:			00:00	01	:30	0.0
DRAG DEPTH	MAX 0		MIN	0			TURNING:			00:00	OC	0:00	0.0
DRAG DEFITT	WAX 0		IVIIIV	0			TO DUMP:			00:00	09	:25	0.0
INDICATORS LA	AST CHECKED (	ON 06/25/20 <sup>-</sup>	14				CONNECTING:			00:00	OC	00:	0.0
AVERAGE SPE	ED OF DREDGE	DURING	FT	Γ/ΜΙΝ			DUMPING:			00:00	00	:08	0.0
LOADING AVERAGE SPE	ED OF DREDGE	DURING	FT	Γ/ΜΙΝ		0	DISCONNECTING:			00:00	00	00:0	0.0
AGITATING	UEL OIL CONSU			GAL		0	TO CUT:			00:00	09	:36	0.0
	VATER CONSUM			GAL			TOTALS:			00:00	20	:39	0.0
ONEEDING OF V				0,12		748	NON-EFFECTIVE WOR	RKING TIME:	ī				
	,	WORK PERFORI	MED				TAKING ON FUEL AND			00:00	00	00:	0.0
NO.OF LOADS		AND HAULING	AL ADEA			ATING	TO AND FROM WHARF			00:00	00	00:	0.0
3	TOTAL CYS 7,905		AL AREA 8 & 9			L CYS 0	LOSS DUE TO NATURA			00:00	00	00:	0.0
							LOSS DUE TO TRAFFI BRIDGES	C AND		00:00	00	00:	0.0
							MINOR OPERATING R TRANSFERRING BETV			00:00	03	3:21	0.0
							WORKS	VEEN		00:00	00	00:	0.0
		ATTENDANT PL	ANT				LAY TIME:			00:00		0:00	0.0
IΤ	EM	NAME OF	R NUMBER	ł	H.P.	HOURS	FIRE AND BOAT DRILL	_S:		00:00		0:00	0.0
40' Cre	ewboat	Cape	Anne		400	12:00	MISCELLANEOUS			00:00		0:00	0.0
							TOTALS			00:00	03	3:21	0.0
							LOST TIME: MAJOR REPAIRS AND		l		T		
							ALTERNATIONS			00:00		0:00	0.0
							CESSATION:			00:00		0:00	0.0
							COLLISIONS:			00:00		0:00	0.0
							TOTALS: TOTAL TIME/MILES:			00:00		:00	0.0
							TOTAL HIVIE/IVIILES:			00.00		.00	0.0

		QUALITY CONTRO	L REPORT-HOPPER	DREDGE		PAGE NO.	Page 102 of 279			
CONTRACT NO	).	CONTRACT TITLE	CONTRACT	OR		REPORT NO.				
W91278-14-D	-0041 0001	Maintenance Dredging of Mobile Harbor	Dutra Dredg	ing Company			51			
DREDGE		NAME AND TYPE Columbia				<b>DATE</b> 07/30/2014				
		•	LOADS			•				
LOAD NUMBER		DREDGING AREA DISPOSAL AREA	START TIME STOP TIME	PUMPING TURNING	DUI	DUMP MPING CUT	TOTAL TIME DREDGED AMOUNT AGITATED AMOUNT			
			(HH:MM)	(MIN)	(1)	MIN)	(MIN/CYS)			
1	Sta 460+00 to	530+00	00:00	30		221	446			
	Cell 8 & 9		00:30	0		4	2,635			
						191	0			
2	Sta 460+00 to	530+00	07:26	33		214	432			
	Cell 8 & 9		07:59	0		4	2,635			
						181	0			
3	Sta 460+00 to	530+00	14:38	27		130	361			
	Cell 8 & 9		15:05	0		0	2,635			
						204	0			

#### **GENERAL COMMENTS**

1239 Minutes @ 100%

201 Minutes @ 0 % for minor repairs -- Hydraulics

CONTRACTOR CERTIFICATION	material used a	and work performed during t	is Report is complete and correct a this Reporting period are in complia knowledge, except as noted above.	ance with the contract
QC REPRESENTATIVE'S SIGNATURE		DATE	SUPERINTENDENT'S INITIALS	DATE

		QUALITY CONTROL REPORT-HOPPER DREDGE							F	PAGE NO.	ı	Page 103 of 279		
CONTRACT NO W91278-14-D		CONTRACT TI		of Mah	ilo Horbo	-		TRACTOR	nonv.		F	REPORT NO.		
CHARACTER O		Maintenance I		OT IVIOD			Dulla	Dredging Comp	pariy		+	DATE		52
REPORT		X  MAINTEN	NANCE		NEW V	WORK	ı			1		07/31/2014		
DRED	GE		PER CAP:			4487 CY	AVG V	OL OF BIN WAT	ER:	4487 CY	AVG	UNFILLED CAI	P:	0 CY
Colu	mbia	NO. OF CF MEMBER			DREDG	iΕ	ОТН	HER PLANT	WORK SCI	HEDULE	SHII	FTS PER DAY	DA	AYS PER WEEK
LOCATIO	ON OF	LOCATION CH	IANNFI	RFAC	15 H DREDG	SED; STA	TO STA	2	DISPOSAL A	REA USE	QTY	DEPOSITED	_	7 JLATIVE AND QTY
WOF		Mobile Ship Cha			60 to 530	, , , , , ,			Cell 8 & 9		GRO	SS(CY) 7,905		OSIT FOR DA(CY) 344,769
		AVG LENGTH		<u> </u>		6000 FT	AVG W	WIDTH OF CUT 400 FT			AVG	DIST TO DUMF		32 NM
0114840		DENSITY OF M	ATERIALS	<del></del>						1470	GMS/	/LITER	-	1470
CHARACT MATER		DENSITY OF W	ATER							1012	GMS	/LITER@		90 °F
RIVER/	TIDE	MIN	0.00	TIME		00:00	MAX	0.00	TIME	00:00	GAGI	E LOCATION D	og Ri	ver
STAC		MIN	0.00	TIME		00:00	MAX	0.00	TIME	00:00	GAGI	E DATUM N	льки	
WEATHER C	ONDITION	WEATHER					TEMP		VISIBILITY		WIND	j		
WEXTILITY		Weather Caus	sed No Del	lay			66	6 °F / 89 °F	10 MI		12 M		—	
		DRAFT							DISTRIBUT			D MILES RUN	• 1	MILEO DUN
	LIGHT		LOADED							AGITAT (MIN		DREDGE HAUL (MII		MILES RUN (NAUT MI)
FORWARD		6				17	<u> </u>	TIVE WORKING	TIME:					
AFT		9				17	PUMPII				00:0		01:32	0.0
DRAG DEPTH	MAX 0		MIN	1 0			TURNIN			00		_	00:06	0.0
INDICATORS LA	AST CHECKED (	ON 06/25/20 <sup>-</sup>	14				TO DUI				00:0	_	11:34	0.0
								ECTING:			00:0		00:00	0.0
AVERAGE SPEI LOADING	ED OF DREDGE	DURING	F	T/MIN		0	DUMPII	NG: NNECTING:			00:00	_	00:16	0.0
AVERAGE SPER	D OF DREDGE	DURING	F	T/MIN		0	TO CUT				00:0		00:00 10:22	0.0
GALLONS OF F	UEL OIL CONSU	JMED		GAL		2,795	TOTAL				00:0		23:50	0.0
GALLONS OF V	VATER CONSUM	MED		GAL		935		FFECTIVE WOR	KING TIME		00.0	<u> </u>	.0.00	0.0
	,	WORK PERFORI	MED				<b>-</b>	ON FUEL AND			00:0	0 (	00:00	0.0
	DREDGING A	ND HAULING			AGITA	ATING	TO AND	FROM WHARF			00:0	_	00:00	0.0
NO.OF LOADS	TOTAL CYS		AL AREA			L CYS		DRAGE: DUE TO NATURA	AL		00:0	0 (	00:00	0.0
3	7,905	Cell	8 & 9			0	LOSS D	DUE TO TRAFFIC	C AND		00:0	0 (	00:00	0.0
							BRIDGI MINOR	OPERATING RI	EPAIRS		00:0	0 (	00:10	0.0
							TRANS WORKS	FERRING BETW	VEEN		00:0	0 (	00:00	0.0
		 ATTENDANT PL	ΔΝΤ				LAY TIN				00:0	0 (	00:00	0.0
IT		<u> </u>	R NUMBER	,	H.P.	HOURS	FIRE AI	ND BOAT DRILL	.S:		00:0	0 (	00:00	0.0
				`			MISCEI	LLANEOUS			00:0	0 (	00:00	0.0
40' Cre	ewboat	Саре	Anne		400	12:00	TOTAL	S			00:0	0 (	00:10	0.0
							LOST T							
								R REPAIRS AND NATIONS			00:0	0 (	00:00	0.0
							CESSA	TION:			00:0	0 (	00:00	0.0
							COLLIS	SIONS:			00:0	0 (	00:00	0.0
							TOTAL	S:			00:0	0 (	00:00	0.0
							TOTAL	TIME/MILES:			00:0	0 2	24:00	0.0

CONTRACT NO.         CONTRACT TITLE         CONTRACTOR         REPORT NO.           W91278-14-D-0041 0001         Maintenance Dredging of Mobile Harbor         Dutra Dredging Company         DATE           DATE           O7/31/2014           LOAD           NUMBER         DREDGING AREA DISPOSAL AREA         START TIME STOP TIME         PUMPING TURNING         TO DUMP DUMPING TO CUT (MIN)           (HH:MM)         (MIN)         (MIN)         (MIN)           1         Sta 460+00 to 530+00         00:00         1         87           COIL9 8 0         00:01         0         4	Page 104 of 279
NAME AND TYPE	
Columbia   Columbia	52
LOAD NUMBER         DREDGING AREA DISPOSAL AREA         START TIME STOP TIME         PUMPING TURNING         TO DUMP DUMPING TO CUT (HH:MM)           1         Sta 460+00 to 530+00         00:00         1         87	
NUMBER         DISPOSAL AREA         STAPT TIME         FUMPING TO CUT           NUMBER         Sta 460+00 to 530+00         00:00         1         87	
1 Sta 460+00 to 530+00 00:00 1 87	TOTAL TIME DREDGED AMOUNT AGITATED AMOUNT
00.04	(MIN/CYS)
$oldsymbol{L}$	92
Cello & 9	0
	0
2 Sta 460+00 to 530+00 01:32 35 205	441
Cell 8 & 9 02:13 6 4	2,635
191	0
3 Sta 460+00 to 530+00 08:53 28 209	424
Cell 8 & 9 09:21 0 4	2,635
183	0
4 Sta 460+00 to 530+00 16:07 27 193	424
Cell 8 & 9 16:34 0 4	2,635
200	0
5 Sta 460+00 to 530+00 23:11 1 0	49
Cell 8 & 9 23:12 0 0	0
48	0

PAGE NO.

## QC NARRATIVE(S)

#### **GENERAL COMMENTS**

1430 Minutes @ 100% 10 Minutes @ 0% minor repairs -- Lost Prime

CONTRACTOR CERTIFICATION	material used a	and work performed during t	is Report is complete and correct a his Reporting period are in complia knowledge, except as noted above.	nce with the contract
QC REPRESENTATIVE'S SIGNATURE		DATE	SUPERINTENDENT'S INITIALS	DATE

		-	QUA	LITY	CONTR	OL REPO	ORT-HOPPER DREDO	SE .		F	PAGE NO.	F	Page 105 of 279	
CONTRACT NO		CONTRACT TI					CONTRACTOR			F	REPORT NO.			
W91278-14-D		Maintenance I	Oredging o	of Mob	ile Harbo	r	Dutra Dredging Comp	pany		٠,			53	
CHARACTER C REPORT	)F	X MAINTEN	NANCE		NEW \	WORK				'	<b>DATE</b> 08/01/2014			
DRED	DGE HOP		PER CAP:			4487 CY	AVG VOL OF BIN WAT	ER:	4487 CY	AVG	3 UNFILLED CAI	P:	0 CY	
Columbia		NO. OF CF MEMBER			DREDG	BE .	OTHER PLANT	WORK SCI	HEDULE	SHI	FTS PER DAY	DA	YS PER WEEK	
					15		2	DISPOSAL A	DEALICE	OTY	2		7	
LOCATION WOR		LOCATION CH		REAC	H DREDO	GED; STA	TO STA		KEA USE		DEPOSITED SS(CY)		JLATIVE AND QTY OSIT FOR DA(CY)	
		Mobile Ship Cha		Sta 46	60 to 530 a	and 1070 t		Cell 8 & 9	100 FT	41.40	10,540		355,309 32 NM	
CHARACTER OF		AVG LENGTH	OF CUT			6000 FT	AVG WIDTH OF CUT		400 FT		AVG DIST TO DUMP			
CHARACTER OF MATERIAL		DENSITY OF M	ATERIALS						1470	GMS	/LITER		1470	
MAIE	RIAL	DENSITY OF W	'ATER						1012	GMS	/LITER@		90 °F	
RIVER		MIN	0.00	TIME		00:00	MAX 0.00	TIME	00:00	GAG	E LOCATION D	og Ri	/er	
STA	GE	MIN	0.00	TIME		00:00	MAX 0.00	TIME	00:00	GAG	E DATUM N	ЛLLW		
WEATHER C	CONDITION	WEATHER	ļ				TEMP	VISIBILITY		WINE	)			
		Weather Caus	sed No Del	ay			73 °F / 85 °F	10 MI		6 MF	<u>'H</u>			
		DRAFT						DISTRIBUT			ID MILES RUN			
	LIGHT		LOADED								DREDGE HAUL (MII		MILES RUN (NAUT MI)	
FORWARD		6				17	EFFECTIVE WORKING							
AFT		9				17	PUMPING:					02:13	0.0	
DRAG DEPTH	RAG DEPTH MAX 0 M			0			TURNING:			00:0	00	00:08	0.0	
IN IDIO ATODO I	. OT OUE OUE D	211					TO DUMP:			00:0	)0 1	10:49	0.0	
INDICATORS LA	AST CHECKED (	ON 06/25/20 <sup>-</sup>	14				CONNECTING:			00:0	)0 (	00:00	0.0	
	ED OF DREDGE	DURING	F	T/MIN		0	DUMPING:			00:0	00 (	00:12	0.0	
LOADING AVERAGE SPE	ED OF DREDGE	DURING	F	T/MIN		0	DISCONNECTING:			00:0	00 (	00:00	0.0	
AGITATING GALLONS OF F	UEL OIL CONSU	JMED		GAL			TO CUT:			00:0	)0 1	10:38	0.0	
	VATER CONSUM			GAL		2,863	TOTALS:			00:0	)0 2	24:00	0.0	
GALLONG OF V	VATER CONSON			OAL		768	NON-EFFECTIVE WOR	RKING TIME:						
	•	WORK PERFORI	MED				TAKING ON FUEL AND	SUPPLIES		00:0	00	00:00	0.0	
		AND HAULING				ATING	TO AND FROM WHARF ANCHORAGE:	OR		00:0	00	00:00	0.0	
NO.OF LOADS 4	TOTAL CYS 10,540		AL AREA 8 & 9			L CYS 0	LOSS DUE TO NATURA ELEMENTS:	AL		00:0	00	00:00	0.0	
							LOSS DUE TO TRAFFI	C AND		00:0	)0 (	00:00	0.0	
							MINOR OPERATING R	EPAIRS		00:0	00 (	00:00	0.0	
							TRANSFERRING BETV WORKS	VEEN		00:0	)0 (	00:00	0.0	
		<u> </u> ATTENDANT PL	ΔΝΤ				LAY TIME:			00:0	)0 (	00:00	0.0	
,,	EM	1	R NUMBER	,	H.P.	HOURS	FIRE AND BOAT DRILL	_S:		00:0	)0 (	00:00	0.0	
				`			MISCELLANEOUS			00:0	)0 (	00:00	0.0	
40' Cre	ewboat	Cape	Anne		400	12:00	TOTALS			00:0	00 (	00:00	0.0	
							LOST TIME:							
							MAJOR REPAIRS AND ALTERNATIONS			00:0	)0 (	00:00	0.0	
							CESSATION:			00:0	)0 (	00:00	0.0	
							COLLISIONS:			00:0	)0 (	00:00	0.0	
							TOTALS:			00:0	00 (	00:00	0.0	
							TOTAL TIME/MILES:			00:0	)0 2	24:00	0.0	
						_								

		QUALITY CONTROL	. REPORT-HOPPER	DREDGE		PAGE NO.	Page 106 of 279	
CONTRACT NO. W91278-14-D-0041 0001		CONTRACT TITLE  Maintenance Dredging of Mobile Harbor	CONTRACT Dutra Dredgi		REPORT NO.			
DREDGE		NAME AND TYPE Columbia	TYPE					
			LOADS					
LOAD NUMBER		DREDGING AREA DISPOSAL AREA	START TIME STOP TIME	PUMPING TURNING	DUI	DUMP MPING CUT	TOTAL TIME DREDGED AMOUNT AGITATED AMOUNT	
			(HH:MM)	(MIN)		MIN)	(MIN/CYS)	
1	Sta 460+00 to	530+00	00:00	36		207	390	
	Cell 8 & 9		00:44	8		4 135	2,635 0	
2	Sta 460+00 to	530+00	06:30	35		196	431	
2	Cell 8 & 9		07:05	0		4 196	2,635 0	
3	Sta 460+00 to	530+00	13:41	34		207	429	
0	Cell 8 & 9		14:15	0		4 184	2,635 0	
4	Sta 1070+00 t	0 1130+00	20:50	28		39	190	
7	Cell 8 & 9		21:18	0		0 123	2,635 0	

**GENERAL COMMENTS** 

CONTRACTOR CERTIFICATION	material used a	and work performed during t	is Report is complete and correct a his Reporting period are in complia knowledge, except as noted above.	nce with the contract
QC REPRESENTATIVE'S SIGNATURE		DATE	SUPERINTENDENT'S INITIALS	DATE

			QUA	LITY	CONTR	OL REPO	ORT-HOPPER DREDO	<b>SE</b>		PA	GE NO.	Р	age 107 of 279
CONTRACT NO	).	CONTRACT TI	TLE				CONTRACTOR			RE	PORT NO.		
W91278-14-D		Maintenance I	Dredging o	f Mobi	ile Harbo	•	Dutra Dredging Comp	any					54
CHARACTER C REPORT	)F	X MAINTEN	NANCE		NEW V	VORK					ATE 08/02/2014		
DRED	OGE	HOPF	PER CAP:			4487 CY	AVG VOL OF BIN WAT	ER:	4487 CY	AVG L	JNFILLED CAP	<b>)</b> :	0 CY
Colu	mbia	NO. OF CF MEMBEF			DREDG	E	OTHER PLANT	WORK SC	HEDULE	SHIFT	S PER DAY	DA	YS PER WEEK
		LOCATION CH	IANNEL	DEAC	16	SED; STA	2	DISPOSAL A	REA USE	OTY DI	2 EPOSITED	CUMU	7 ILATIVE AND QTY
LOCATION WOR		Mobile Ship Cha			70+00 to		10.514	Cell 8 & 9		GROSS			OSIT FOR DA(CY) 365,849
		AVG LENGTH		Sia 10	70+00 10	6000 FT	AVG WIDTH OF CUT	Cell 0 & 3	400 FT	AVG D			32 NM
		DENSITY OF M.	ATERIAI S						1470	GMS/LI	TER		1470
CHARACTER OF MATERIAL													
		DENSITY OF W	ATER					I	1012	GMS/LI	TER@ ————		90 °F
RIVER/ STA		MIN	0.00	TIME		00:00	MAX 0.00	TIME	00:00	GAGE I	LOCATION FO	owl Riv	ver
SIA	JE.	MIN	0.00	TIME		00:00	MAX 0.00	TIME	00:00	GAGE I	DATUM M	LLW	
WEATHER C	ONDITION	WEATHER Weather Caus	sed No Dela	av			TEMP 73 °F / 91 °F	VISIBILITY 10 MI		WIND 24 MPI	н		
		DRAFT	304 110 2010	<u>j</u>			,	•	ION OF TIM				
	LIGHT		LOADED						AGITA				MILES RUN
FORWARD	LIGITI	6	LOADED			17	EFFECTIVE WORKING	TIME:	(MIN	<u>1)</u>	HAUL (MIN	1)	(NAUT MI)
AFT		9				17	PUMPING:			00:00	0:	2:26	0.0
	MAN, O	9		TURNING		TURNING:			00:00	01	0:00	0.0	
DRAG DEPTH	MAX 0		MIN	0			TO DUMP:			00:00	1	1:16	0.0
INDICATORS LA	AST CHECKED (	ON 06/25/20 <sup>-</sup>	14				CONNECTING:			00:00	0(	0:00	0.0
AVERAGE SPE	ED OF DREDGE	DURING	FT	Γ/ΜΙΝ			DUMPING:			00:00	0(	0:20	0.0
LOADING	ED OF DREDGE			Γ/ΜΙΝ		0	DISCONNECTING:			00:00	0(	0:00	0.0
AGITATING			· ' '	GAL		0	то сит:			00:00	0:	9:58	0.0
GALLONS OF FUEL OIL CONSUMED GALLONS OF WATER CONSUMED						2,517	TOTALS:			00:00	24	4:00	0.0
GALLONS OF V	VATER CONSUM	WIED		GAL		561	NON-EFFECTIVE WOR	RKING TIME:					
	•	WORK PERFORI	MED				TAKING ON FUEL AND			00:00	00	0:00	0.0
NO OF LOADS		AND HAULING				ATING	TO AND FROM WHARF ANCHORAGE:			00:00	00	0:00	0.0
NO.OF LOADS 6	TOTAL CYS 10,540		AL AREA 8 & 9			L CYS	LOSS DUE TO NATURA ELEMENTS:			00:00	00	0:00	0.0
							LOSS DUE TO TRAFFI BRIDGES	C AND		00:00	00	0:00	0.0
							MINOR OPERATING R			00:00	00	0:00	0.0
							TRANSFERRING BETV WORKS	VEEN		00:00	00	0:00	0.0
		ATTENDANT PL	TENDANT PLANT				LAY TIME:			00:00	00	0:00	0.0
IT	EM	NAME OF	R NUMBER	1	H.P.	HOURS	FIRE AND BOAT DRILL	.S:		00:00			0.0
40' Crewboat		Cape	Anne		400	12:00	MISCELLANEOUS			00:00	DREDGE & MII DREDG		0.0
							TOTALS			00:00	00	0:00	0.0
							LOST TIME: MAJOR REPAIRS AND						
							ALTERNATIONS			00:00			0.0
							CESSATION:			00:00			0.0
							COLLISIONS:			00:00			0.0
							TOTAL TIME/MUES.			00:00			0.0
		<u> </u>					TOTAL TIME/MILES:			00:00		4:00	0.0

		QUALITY CONTRO	L REPORT-HOPPER	DREDGE		PAGE NO.	Page 108 of 279
CONTRACT NO	).	CONTRACT TITLE	CONTRACT	OR		REPORT NO	) <u>.</u>
W91278-14-D	-0041 0001	Maintenance Dredging of Mobile Harbor	Dutra Dredgi	ing Company			54
DREDGE		NAME AND TYPE Columbia				<b>DATE</b> 08/02/2014	ı
			LOADS			•	
LOAD NUMBER		DREDGING AREA DISPOSAL AREA	START TIME STOP TIME	PUMPING TURNING	DUM TO	DUMP MPING CUT	TOTAL TIME DREDGED AMOUNT AGITATED AMOUNT
	Sta 1070+00 to	1420.00	(HH:MM) 00:00	(MIN)		ЛIN) 112	(MIN/CYS) 117
1	Cell 8 & 9	31130+00	00:01	0		4	0 0
2	Sta 1070+00 to	1130+00	01:57	42		134	315
-	Cell 8 & 9		02:39	0		4 135	2,635 0
3	Sta 1070+00 to	1130+00	07:12	32		141	304
-	Cell 8 & 9		07:44	0		4 127	2,635 0
4	Sta 1070+00 to	1130+00	12:16	40		144	319
·	Cell 8 & 9		12:56	0		4 131	2,635 0
5	Sta 1070+00 to	1130+00	17:35	30		145	305
	Cell 8 & 9		18:05	0		4 126	2,635 0
6	Sta 1070+00 to	1130+00	22:40	1		0	80
-	Cell 8 & 9		22:41	0		0 79	0 0

**GENERAL COMMENTS** 

CONTRACTOR CERTIFICATION	ERTIFICATION  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			

			QUA	LITY	CONTR	OL REPO	ORT-HOPPER DRED	GE		PA	GE NO.	Р	age 109 of 279
CONTRACT NO	).	CONTRACT TI	TLE				CONTRACTOR			RE	PORT NO.		
W91278-14-D		Maintenance I	Oredging o	of Mobi	ile Harbo	r	Dutra Dredging Comp	oany					55
CHARACTER C REPORT	)F	X MAINTEN	NANCE		NEW \	NORK					ATE 08/03/2014		
DRED	OGE	HOPE	PER CAP:			4487 CY	AVG VOL OF BIN WATER: 4487 C		4487 CY	AVG U	JNFILLED CAP	:	0 CY
Colu	mbia	NO. OF CF MEMBER			DREDG	E	OTHER PLANT WORK SCHEDU		HEDULE	SHIFT	S PER DAY	DA'	YS PER WEEK
		LOCATION CL	IANINITI	DEAC	16	GED; STA	2	DISPOSAL A	REA USE	OTY D	2 EPOSITED	CUMU	7 ILATIVE AND QTY
LOCATION WOR		LOCATION CF  Mobile Ship Cha					10514	Cell 8 & 9		GROS	S(CY)		OSIT FOR DA(CY) 379,024
		AVG LENGTH		Sia 10	70+00 to	6000 FT	AVG WIDTH OF CUT	Toell 0 & 9	400 FT	AVG D	13,175 <u> </u> DIST TO DUMP		23 NM
		DENSITY OF M	ATERIAI S						1470	GMS/LI	TER		1470
CHARAC MATE													
		DENSITY OF W	TATER						1012	GMS/LI	TER@ ————		90 °F
RIVER/ STA		MIN	0.00	TIME		00:00	MAX 0.00	TIME	00:00	GAGE	LOCATION Fo	wl Riv	ver
SIA	JE.	MIN	0.00	TIME		00:00	MAX 0.00	TIME			DATUM MI	LLW	
WEATHER C	ONDITION	WEATHER Weather Caus	sed No Del	av			73 °F / 87 °F	VISIBILITY 10 MI		WIND 8 MPH			
		DRAFT	304 110 20.	<u></u>			76 . 767 .	•	ION OF TIM		MILES RUN		
	LIGHT		LOADED						AGITA		DREDGE 8		MILES RUN
FORWARD	LIGITI	6	LOADED			17	EFFECTIVE WORKING	TIME:	(MIN	N)	HAUL (MIN	)	(NAUT MI)
AFT		9				17	PUMPING:		00:		02	2:44	0.0
DRAG DEPTH							TURNING:			00:00	0(	0:00	0.0
DRAG DEPTH	WAX U		IVIIIN	0			TO DUMP:			00:00	1.	1:20	0.0
INDICATORS L	AST CHECKED (	ON 06/25/20	14				CONNECTING:			00:00	00	0:00	0.0
AVERAGE SPE	ED OF DREDGE	DURING	l F	Γ/ΜΙΝ			DUMPING:			00:00	00	0:16	0.0
LOADING	ED OF DREDGE			Γ/ΜΙΝ		0	DISCONNECTING:			00:00	00	0:00	0.0
AGITATING	FUEL OIL CONSU			GAL		0	TO CUT:			00:00	08	9:40	0.0
	VATER CONSUM			GAL		2,881	TOTALS:			00:00	24	4:00	0.0
GALLEGING OF V				OAL		935	NON-EFFECTIVE WOR	RKING TIME:	•				
	,	WORK PERFORI	MED				TAKING ON FUEL AND			00:00	00	0:00	0.0
NO OF LOADS		AND HAULING				ATING	TO AND FROM WHAR ANCHORAGE:			00:00	00	0:00	0.0
NO.OF LOADS 5	TOTAL CYS 13,175		AL AREA 8 & 9			L CYS 0	LOSS DUE TO NATUR ELEMENTS:			00:00	00	0:00	0.0
							LOSS DUE TO TRAFFI BRIDGES	C AND		00:00	00	0:00	0.0
							MINOR OPERATING R			00:00	00	0:00	0.0
							TRANSFERRING BET\ WORKS	WEEN		00:00	00	0:00	0.0
		ATTENDANT PL	ANT				LAY TIME:			00:00	00	0:00	0.0
IT	EM	NAME OF	R NUMBER	R	H.P.	HOURS	FIRE AND BOAT DRILI	LS:		00:00		0:00	0.0
40' Cre	ewboat	Cape	Anne		400	12:00	MISCELLANEOUS			00:00		0:00	0.0
							TOTALS			00:00	00	0:00	0.0
							LOST TIME: MAJOR REPAIRS AND						
							ALTERNATIONS			00:00		0:00	0.0
							CESSATION:			00:00		0:00	0.0
							COLLISIONS:			00:00		0:00	0.0
							TOTAL TIME (MILES)			00:00		0:00	0.0
							TOTAL TIME/MILES:			00:00		4:00	0.0

		QUALITY CONTROL	REPORT-HOPPER	DREDGE		PAGE NO.	Page 110 of 279
CONTRACT NO	<u> </u>	CONTRACT TITLE	CONTRACTO	<b></b>		REPORT N	
W91278-14-I		Maintenance Dredging of Mobile Harbor	Dutra Dredgii	KLFOKIN			
VV91270-14-L	J-0041 0001		Dulla Dreagii	ng Company			55
DREDGE		NAME AND TYPE				<b>DATE</b> 08/03/20	1.4
		Columbia				00/03/20	14
			LOADS				
LOAD NUMBER		DREDGING AREA DISPOSAL AREA	START TIME STOP TIME	PUMPING TURNING	DUM TO	DUMP MPING CUT	TOTAL TIME DREDGED AMOUNT AGITATED AMOUNT
	Ot- 4070 : 00 t- 4400 : 00		(HH:MM) 00:00	(MIN) 28		MIN) 136	(MIN/CYS) 230
1	1 Sta 1070+00 to 1130+00		20.00				
	Cell 8 & 9		00:28	U		4	2,635
						62	0
2	Sta 1070+00	to 1130+00	03:50	34		140	302
	Cell 8 & 9		04:24	0		4	2,635
						124	0
3	Sta 1070+00	to 1130+00	08:52	42		137	310
	Cell 8 & 9		09:34	0		4	2,635
						127	0
4	Sta 1070+00	to 1130+00	14:02	35		132	302
	Cell 8 & 9		14:37	0		4	2,635
	0000					131	0
5	Sta 1070+00	to 1130+00	19:04	25		135	296
-	Cell 8 & 9		19:29	0		0	2,635
	1					136	0

**GENERAL COMMENTS** 

CONTRACTOR CERTIFICATION	material used a	and work performed during t	is Report is complete and correct a his Reporting period are in complia knowledge, except as noted above.	ance with the contract
QC REPRESENTATIVE'S SIGNATURE		DATE	SUPERINTENDENT'S INITIALS	DATE

			QUA	LITY	CONTR	OL REPO	ORT-HOPPER DREDO	SE.		PA	AGE NO.	P	age 111 of 279
CONTRACT NO	).	CONTRACT TI	TLE				CONTRACTOR			RE	EPORT NO.		-g
W91278-14-D		Maintenance I	Oredging o	of Mobi	ile Harbo	r	Dutra Dredging Comp	any		_			56
CHARACTER O REPORT	F	X MAINTEN	NANCE		NEW V	WORK					<b>ATE</b> 08/04/2014		
DRED	GE	HOPF	ER CAP:			4487 CY	AVG VOL OF BIN WAT	ER:	4487 CY	AVG I	UNFILLED CAP	:	0 CY
Colu	mbia	NO. OF CF MEMBEF			DREDG	iΕ	OTHER PLANT	WORK SC	HEDULE	SHIFT	TS PER DAY	DA	YS PER WEEK
		LOCATION OF	IANINIEI	DEAG	16	NED 074	2	DISPOSAL A	RFA USF	OTY D	2 EPOSITED	:HMLI:	7 LATIVE AND QTY
LOCATIO WOF		LOCATION CH				SED; STA	TOSTA			GROS	S(CY)		OSIT FOR DA(CY) 392,199
		Mobile Ship Cha		Sta 1070+00 to 1130+00  JT 6000 FT			AVG WIDTH OF CUT	Cell 8 & 9	400 FT	AVG [	13,175 <u> </u> DIST TO DUMP		23 NM
		DENSITY OF M.	ΔΤΕΡΙΔΙ S						1470	GMS/L	ITER		1470
	CHARACTER OF MATERIAL												
DENSITY OF WATER		ATER					ı	1012	GMS/L	ITER@		90 °F	
RIVER/ STAG		MIN	0.00	TIME		00:00	MAX 0.00	00:00 TIME 00:00		GAGE	LOCATION Fo	wl Riv	/er
SIA	<b>3</b> E	MIN	0.00	TIME		00:00	MAX 0.00	TIME	00:00	GAGE	DATUM MI	LLW	
WEATHER C	ONDITION	WEATHER Weather Caus	ed No Del	21/			TEMP 73 °F / 91 °F	VISIBILITY 10 MI		WIND 26 MP	ч		
		DRAFT	SCO NO DCI	шу			75 1 7 51 1	•	•		MILES RUN		
	LIGHT		LOADED						AGITAT		DREDGE 8		MILES RUN
FORWARD	LIGITI	6	LOADED			17	EFFECTIVE WORKING	TIME:	(MIN	l)	HAUL (MIN	)	(NAUT MI)
AFT		9				17	PUMPING:			00:00	02	2:38	0.0
DRAG DEPTH				0			TURNING:			00:00	00	0:10	0.0
DRAG DEF III	IVIAX U		IVIIIN	-			TO DUMP:			00:00	09	9:33	0.0
INDICATORS LA	AST CHECKED (	ON 06/25/20 <sup>-</sup>	14				CONNECTING:			00:00	00	0:00	0.0
AVERAGE SPE	ED OF DREDGE	DURING	F	T/MIN			DUMPING:			00:00	00	0:20	0.0
LOADING AVERAGE SPEI	ED OF DREDGE	DURING	F	T/MIN		0	DISCONNECTING:			00:00	00	0:00	0.0
AGITATING	UEL OIL CONSU			GAL		0	TO CUT:			00:00	11	1:19	0.0
	VATER CONSUN			GAL			TOTALS:			00:00	24	4:00	0.0
ONEEDING OF V				0,12		748	NON-EFFECTIVE WOR	KING TIME:	ī		Ī		
	<u>'</u>	WORK PERFORM	MED				TAKING ON FUEL AND			00:00	00	0:00	0.0
NO.OF LOADS		AND HAULING	AL ADEA			ATING	TO AND FROM WHARF			00:00	00	0:00	0.0
6	TOTAL CYS 13,175		AL AREA 8 & 9			L CYS 0	LOSS DUE TO NATURA			00:00	00	0:00	0.0
							LOSS DUE TO TRAFFI BRIDGES	CAND		00:00	00	0:00	0.0
							MINOR OPERATING R TRANSFERRING BETV			00:00	00	0:00	0.0
							WORKS	VEEN		00:00	00	0:00	0.0
		ATTENDANT PL	ANT				LAY TIME:			00:00	00	0:00	0.0
IT	EM	NAME OF	NUMBER	R	H.P.	HOURS	FIRE AND BOAT DRILL	.S:		00:00	00	0:00	0.0
40' Cre	ewboat	Cape	Anne		400	12:00	MISCELLANEOUS			00:00	00	0:00	0.0
							TOTALS			00:00	00	0:00	0.0
							LOST TIME:		ı				
							MAJOR REPAIRS AND ALTERNATIONS			00:00	00	0:00	0.0
							CESSATION:			00:00	00	0:00	0.0
							COLLISIONS:			00:00	00	0:00	0.0
							TOTALS:			00:00		0:00	0.0
							TOTAL TIME/MILES:			00:00	24	1:00	0.0

		OHALITY CONTRO	L REPORT-HOPPER	DREDGE	PAGE NO.			
		QUALITI CONTRO	L REFORT-HOFF LIX	DREDGE		Page 112 of 279		
CONTRACT NO	<b>)</b> .	CONTRACT TITLE	CONTRACTO	OR	REPORT N	REPORT NO.		
W91278-14-E	D-0041 0001	Maintenance Dredging of Mobile Harbor	Dutra Dredgi	ing Company		56		
DREDGE		NAME AND TYPE			DATE			
DREDGE		Columbia			08/04/201	14		
			LOADS					
LOAD NUMBER		DREDGING AREA DISPOSAL AREA	START TIME STOP TIME	PUMPING TURNING	TO DUMP DUMPING TO CUT	TOTAL TIME DREDGED AMOUNT AGITATED AMOUNT		
			(HH:MM)	(MIN)	(MIN)	(MIN/CYS)		
1	Sta 1070+00 to	o 1130+00	00:00	1	1	6		
	Cell 8 & 9		00:01	0	4	0		
					0	0		
2	Sta 1070+00 to 1130+00		00:06	32	135	303		
_	Cell 8 & 9		00:38	0	4	2,635		
					132	0		
3	Sta 1070+00 to	o 1130+00	05:09	35	129	305		
	Cell 8 & 9		05:44	0	4	2,635		
					137	0		
4	Sta 1070+00 to	o 1130+00	10:14	40	131	314		
	Cell 8 & 9		11:04	10	4	2,635		
					129	0		
5	Sta 1070+00 to	o 1130+00	15:28	25	145	322		
ŭ	Cell 8 & 9		15:53	0	4	2,635		
					148	0		
6	Sta 1070+00 to	o 1130+00	20:50	25	32	190		
	Cell 8 & 9		21:15	0	0	2,635		
	000 22				133	0		

**GENERAL COMMENTS** 

CONTRACTOR CERTIFICATION	material used and work perforn	ertify that this Report is complete and correct ned during this Reporting period are in comp best of my knowledge, except as noted above	liance with the contract
QC REPRESENTATIVE'S SIGNATURE	DATE	SUPERINTENDENT'S INITIALS	DATE

			QUA	ALITY	CONTR	OL REPO	ORT-HOP	PER DREDG	iΕ		Р	AGE NO.	F	Page 113 of 279
CONTRACT NO W91278-14-D		CONTRACT TI		of Moh	ile Harbo	,		RACTOR  Dredging Compa	any		R	EPORT NO.		57
CHARACTER O		X   MAINTE			NEW V		Dulla L	breaging Compa	arry		D	ATE		- 37
REPORT							<u> </u>					08/05/2014		
DRED			PER CAP:			4487 CY		L OF BIN WATI		4487 CY		UNFILLED CAF		0 CY
Colu	mbia	NO. OF CF MEMBER			DREDG	E	OTHE	ER PLANT	WORK SCI	HEDULE	SHIF	TS PER DAY		AYS PER WEEK
LOCATIO	ON OF	LOCATION CH	IANNEL	REAC	16 H DREDG	SED; STA	TO STA	2	DISPOSAL A	REA USE			СИМС	7 JLATIVE AND QTY
WOF		Mobile Ship Cha	nnel		70+00 to				Cell 8 & 9		GROSS(CY) DEPOSI			OSIT FOR DA(CY) 402,739
		AVG LENGTH	OF CUT			6000 FT	AVG WI	DTH OF CUT		400 FT	AVG	DIST TO DUMF	>	23 NM
CHARAC	TER OF	DENSITY OF M	ATERIALS	1			1470			GMS/I	LITER		1470	
MATER		DENSITY OF W	ATER					1012 G			GMS/I	LITER@		90 °F
RIVER/	TIDE	MIN	0.00	TIME		00:00	MAX	0.00	TIME	00:00	GAGE	LOCATION F	owl R	iver
STAC	GE	MIN	0.00	TIME		00:00	MAX	X 0.00 TIME 00:00 G			GAGE	DATUM M	/LLW	
WEATHER C	ONDITION	WEATHER					TEMP				WIND 9 MP			
		Weather Caus	sed No Del	ay			/3 \	DISTRIBUTION OF TIME						
		DIALI							DISTRIBUT	AGITAT		DREDGE	&	MILES RUN
	LIGHT		LOADED				(MIN)				HAUL (MI		(NAUT MI)	
FORWARD		6				17	EFFECTIVE WORKING TIME:			00:00 02:12			0.0	
AFT		9 17 PUMPING: TURNING:				00:00		00:00	0.0					
DRAG DEPTH	AG DEPTH MAX 0 MIN 0					00:00		10:26	0.0					
INDICATORS LA	TO DUMP:  TORS LAST CHECKED ON 06/25/2014  CONNECTING:			00:00		00:00	0.0							
							DUMPIN				00:00	_	00:20	0.0
AVERAGE SPEE LOADING				T/MIN		0		NECTING:			00:00	_	00:00	0.0
AVERAGE SPEI AGITATING	ED OF DREDGE	DURING	F	T/MIN		0	TO CUT:				00:00		10:52	0.0
GALLONS OF F	UEL OIL CONSU	JMED		GAL		3,000	TOTALS:				00:00		23:50	0.0
GALLONS OF V	VATER CONSUM	MED		GAL		1,122		FECTIVE WOR	KING TIME:					
	١	WORK PERFORI	MED				TAKING	ON FUEL AND	SUPPLIES		00:00	) (	00:00	0.0
	DREDGING A	ND HAULING			AGITA	ATING	TO AND ANCHOR	FROM WHARF	OR		00:00	) (	00:00	0.0
NO.OF LOADS 6	TOTAL CYS 10,540		AL AREA 8 & 9			L CYS		JE TO NATURA	\L		00:00	) (	00:00	0.0
			<u> </u>					JE TO TRAFFIC	CAND		00:00	) (	00:10	0.0
								PERATING RE	EPAIRS		00:00	) (	00:00	0.0
							TRANSF WORKS	ERRING BETW	/EEN		00:00	) c	00:00	0.0
		L Attendant Pl	ANT	[			LAY TIMI	E:			00:00	) (	00:00	0.0
IT	EM	NAME OF	R NUMBER		H.P.	HOURS	FIRE AN	D BOAT DRILL	S:		00:00	) c	00:00	0.0
		MISCELL	ANEOUS			00:00	) c	00:00	0.0					
10 0.0		Сиро	70			.2.00	TOTALS				00:00	) c	00:10	0.0
							LOST TIM							
							MAJOR F ALTERN	REPAIRS AND ATIONS			00:00	) (	00:00	0.0
							CESSAT	ION:			00:00	) (	00:00	0.0
							COLLISIO	ONS:			00:00	) (	00:00	0.0
							TOTALS:				00:00		00:00	0.0
							TOTAL T	IME/MILES:			00:00	) 2	24:00	0.0

		QUALITY CONTRO	L REPORT-HOPPER	DREDGE		PAGE NO.	Page 114 of 279
CONTRACT NO		CONTRACT TITLE	CONTRACT	OP		REPORT NO	
W91278-14-E		Maintenance Dredging of Mobile Harbor	Dutra Dredg		KEPOKI NO	5. 57	
VV91270-14-L	7-0041 0001		Dulla Dieug	ing Company			5/
DREDGE		NAME AND TYPE Columbia				<b>DATE</b> 08/05/201	4
		Columbia	LOADS				•
	1		LUADS	г			
LOAD NUMBER		DREDGING AREA DISPOSAL AREA	START TIME STOP TIME	PUMPING TURNING	DUN	DUMP MPING CUT	TOTAL TIME DREDGED AMOUNT AGITATED AMOUNT
			(HH:MM)	(MIN)		ΛIN)	(MIN/CYS)
1	Sta 1070+00 to	1130+00	00:00	1		107	112
	Cell 8 & 9		00:01	0		4	0
						0	0
2	Sta 1070+00 to	1130+00	01:52	28		133	291
_	Cell 8 & 9		02:20	0		4	2,635
						126	0
3	Sta 1070+00 to	1130+00	06:53	37		124	312
· ·	Cell 8 & 9		07:30	0		4	2,635
	0000					147	0
4	Sta 1070+00 to	1130+00	12:05	38		124	309
•	Cell 8 & 9		12:43	0		4	2,635
						143	0
5	Sta 1070+00 to	0 1130+00	17:14	27		138	310
Ü	Cell 8 & 9		17:41	0		4	2,635
	0000					141	0
6	Sta 1070+00 to	1130+00	22:24	1		0	96
-	Cell 8 & 9		22:25	0		0	0
						95	0

**GENERAL COMMENTS** 

1430 Minutes @ 100% 10 Minutes @ 70%

CONTRACTOR CERTIFICATION	material used a	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							

			QUA	ALITY	CONTR	OL REPO	ORT-HOP	PER DREDG	βE		PA	GE NO.	F	Page 115 of 279
CONTRACT NO		CONTRACT TI		- 6 M - L-	: : :	_		RACTOR			RE	PORT NO.		
W91278-14-D CHARACTER O		Maintenance I		dolwi to			Dutra L	Dredging Comp	any		DA	TE.		58
REPORT	•	X  MAINTEN	NANCE		NEW V	VORK	ı					08/06/2014		
DRED	GE		ER CAP:			4487 CY	AVG VOL OF BIN WATER: 4487 C		4487 CY	AVG UNFILLED CA		:	0 CY	
Colu	mbia	NO. OF CF MEMBER			DREDG	E	OTH	ER PLANT	WORK SCI	HEDULE	SHIFT	S PER DAY	DA	YS PER WEEK
LOCATIO	ON OF	LOCATION CH	IANNEL	REAC	16 H DREDG	SED; STA	TO STA	2	DISPOSAL A	REA USE				7 JLATIVE AND QTY
WOF		Mobile Ship Cha	nnel	Sta 10	70+00 to	1130+00			Cell 8 & 9		GROS	S(CY) 13,175	DEP	OSIT FOR DA(CY) 415,914
		AVG LENGTH	OF CUT			6000 FT	AVG WI	DTH OF CUT		400 FT	AVG E	DIST TO DUMP		23 NM
CHARAC	TER OF	DENSITY OF M	ATERIALS	3						1470	GMS/L	ITER		1470
MATER					GMS/L	ITER@		90 °F						
RIVER/	TIDE	MIN	0.00	TIME		00:00	MAX	0.00	TIME	00:00	GAGE	LOCATION FO	owl Ri	ver
STAC		MIN	0.00	TIME		00:00	MAX	0.00	TIME	00:00	GAGE	DATUM M	LLW	
WEATHER C	ONDITION	WEATHER					TEMP		VISIBILITY					
		Weather Caus	sed No Del	lay			73 '	°F / 91 °F	10 MI	ION OF TIM	9 MPH	MILES RUN		
		DIVALI							DIOTRIBOT	AGITAT		DREDGE 8	<u> </u>	MILES RUN
FORWARD	LIGHT		LOADED			47	EEEECT	(MIN)				HAUL (MIN	l)	(NAUT MI)
FORWARD		6				17	├				00:00 02:40			0.0
AFT	9 MAY 0 MINI					17	TURNING				00:00	00	0:00	0.0
DRAG DEPTH	PRAG DEPTH MAX 0 MIN 0			1 0			TO DUM	P:			00:00	1	1:39	0.0
INDICATORS LA	AST CHECKED (	ON 06/25/20	14				CONNEC	CTING:			00:00	00	0:00	0.0
AVERAGE SPE	ED OF DREDGE	DURING	F	T/MIN			DUMPIN	G:			00:00	00	0:16	0.0
LOADING	ED OF DREDGE			T/MIN		0	DISCON	NECTING:			00:00	00	0:00	0.0
AGITATING	UEL OIL CONSU		<u>'</u>	GAL		0	TO CUT:				00:00	09	9:25	0.0
	VATER CONSUN			GAL		2,880	TOTALS	:			00:00	24	4:00	0.0
GALLONS OF V	VATER CONSOR			GAL		1,372	NON-EFI	FECTIVE WOR	KING TIME:					
		WORK PERFORI	MED	ı				ON FUEL AND			00:00	00	0:00	0.0
NO OF LOADS		ND HAULING				ATING	ANCHOR				00:00	00	0:00	0.0
NO.OF LOADS 5	TOTAL CYS 13,175		AL AREA 8 & 9			L CYS 0	ELEMEN				00:00	00	0:00	0.0
							BRIDGES	JE TO TRAFFIO S	CAND		00:00	0(	0:00	0.0
								OPERATING RE			00:00	00	0:00	0.0
							WORKS	ERRING BETW	/EEN		00:00	00	0:00	0.0
		ATTENDANT PL	ANT				LAY TIMI	E:			00:00	00	0:00	0.0
IT	EM	NAME OF	R NUMBER	₹	H.P.	HOURS	FIRE AN	D BOAT DRILL	S:		00:00	00	0:00	0.0
40' Cre	ewboat	Cape	Anne		400	12:00	MISCELL	_ANEOUS			00:00	00	0:00	0.0
							TOTALS				00:00	00	0:00	0.0
							LOST TIN	ME: REPAIRS AND				ı		
							ALTERN	ATIONS			00:00		0:00	0.0
							CESSAT				00:00		0:00	0.0
							COLLISIO				00:00		0:00	0.0
							TOTALS				00:00		0:00	0.0
							TOTAL T	IME/MILES:			00:00	24	4:00	0.0

		QUALITY CONTROL	DEDORT HODDER	DREDGE		PAGE NO.	
		QUALITY CONTROL	. REPORT-HOPPER	DREDGE			Page 116 of 279
CONTRACT NO	0.	CONTRACT TITLE	CONTRACTO	OR		REPORT N	10.
W91278-14-I	D-0041 0001	Maintenance Dredging of Mobile Harbor	Dutra Dredgii	ng Company			58
DREDGE NAME AND TYPE Columbia						<b>DATE</b> 08/06/20	14
			LOADS				
LOAD NUMBER		DREDGING AREA DISPOSAL AREA	START TIME STOP TIME (HH:MM)	PUMPING TURNING (MIN)	DUM TO	DUMP MPING CUT MIN)	TOTAL TIME DREDGED AMOUNT AGITATED AMOUNT (MIN/CYS)
1	Sta 1070+00	to 1130+00	00:00	25	136		196
'	Cell 8 & 9		00:25	0		4	2,635
	Cell 6 & 9					31	0
2	Sta 1070+00	to 1130+00	03:16	31		145	302
	Cell 8 & 9		03:47	0		4 122	2,635 0
3	Sta 1070+00	to 1130+00	08:18	33		122	302
3	Cell 8 & 9		08:51	0		4	2,635
	J OCH O & S					143	0
4	Sta 1070+00	to 1130+00	13:20	46		160	360
•	Cell 8 & 9		14:06	0		4	2,635
						150	0
5	Sta 1070+00	to 1130+00	19:20	25		136	280
-	Cell 8 & 9		19:45	0		0	2,635
						119	0

# **GENERAL COMMENTS**

CONTRACTOR CERTIFICATION	material used a	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						

			QUA	LITY	CONTR	OL REPO	ORT-HOPPER DREDO	SE .		PA	GE NO.	F	Page 117 of 279
CONTRACT NO		CONTRACT TI		£ 84 - b	9 - 11 - d	_	CONTRACTOR			RE	PORT NO.		
W91278-14-D CHARACTER O		Maintenance I		dow to			Dutra Dredging Comp	pany			ATE	—	59
REPORT	•	X MAINTEN	IANCE		NEW V	WORK					08/07/2014		
DRED	GE		ER CAP:			4487 CY	AVG VOL OF BIN WAT	ER:	4487 CY	AVG (	JNFILLED CAP:	:	0 CY
Colu	mbia	NO. OF CF MEMBEF			DREDG	iΕ	OTHER PLANT	WORK SCI	HEDULE	SHIFT	S PER DAY	DA	AYS PER WEEK
LOCATIO		LOCATION CH	IANNEI	PEAC	16	SED; STA	2 TO STA	DISPOSAL A	REA USE	QTY D	2 EPOSITED C	UMU	7 JLATIVE AND QTY
LOCATIO WOR		Mobile Ship Cha			70+00 to		10314	Cell 8 & 9		GROS		DEPOSIT FOR DAICY	
		AVG LENGTH		Sia 10	70+00 10	6000 FT	AVG WIDTH OF CUT	CCII O Q 3	400 FT	AVG E	DIST TO DUMP		23 NM
		DENSITY OF M	ATERIALS						1470	GMS/L	ITER		1470
CHARACT MATER		DENSITY OF W	ATER						1012	GMS/L	ITER@		90 °F
		MIN	0.00	TIME		00:00	MAX 0.00	1			LOCATION Fo	wl Ri	iver
RIVER/ STAC													
		MIN WEATHER	0.00	TIME		00:00	MAX 0.00	TIME		WIND	DATUM MI	LLW	
WEATHER C	ONDITION	Weather Caus	sed No Del	ay			75 °F / 91 °F				Н		
		DRAFT					DISTRIBUTION OF TIME A				MILES RUN		
	LIGHT		LOADED				AGITATING (MIN)				DREDGE 8 HAUL (MIN		MILES RUN (NAUT MI)
FORWARD		6				17	EFFECTIVE WORKING TIME:			<i>/</i>			(
AFT		9				17	PUMPING: 00			00:00	02	2:27	0.0
DRAG DEPTH	MAX 0		MIN	0			TURNING:			00:00	00	0:06	0.0
							TO DUMP:			00:00	10	0:55	0.0
INDICATORS LA	AST CHECKED (	ON 06/25/20 <sup>-</sup>	14				CONNECTING:			00:00	00	0:00	0.0
AVERAGE SPE	ED OF DREDGE	DURING	F	T/MIN		0	DUMPING:			00:00	00	0:27	0.0
LOADING AVERAGE SPE	ED OF DREDGE	DURING	F	T/MIN		0	DISCONNECTING:			00:00	00	0:00	0.0
AGITATING GALLONS OF F	UEL OIL CONSU	JMED		GAL			то сит:			00:00	10	0:05	0.0
GALLONS OF V	VATER CONSUM	MED.		GAL			TOTALS:			00:00	24	4:00	0.0
				0,		672	NON-EFFECTIVE WOF	KING TIME:	ı				
		WORK PERFORM	MED				TAKING ON FUEL AND			00:00	00	0:00	0.0
NO.OF LOADS		ND HAULING				ATING	TO AND FROM WHAR! ANCHORAGE:			00:00	00	0:00	0.0
6	TOTAL CYS 13,175		AL AREA 8 & 9			L CYS 0	LOSS DUE TO NATURA			00:00	00	0:00	0.0
							LOSS DUE TO TRAFFI BRIDGES	C AND		00:00	00	0:00	0.0
							MINOR OPERATING R			00:00	00	0:00	0.0
							TRANSFERRING BETV WORKS	VEEN		00:00	00	0:00	0.0
		ATTENDANT PL	ANT				LAY TIME:			00:00	00	0:00	0.0
IT	EM	NAME OF	NUMBER	2	H.P.	HOURS	FIRE AND BOAT DRILLS:		00:00	00	0:00	0.0	
40' Cre	ewboat	Cape	Anne		400	12:00	MISCELLANEOUS		00:00	00	0:00	0.0	
		-					TOTALS			00:00	00	0:00	0.0
							LOST TIME:		ı				
							MAJOR REPAIRS AND ALTERNATIONS			00:00	00	0:00	0.0
							CESSATION:			00:00	00	0:00	0.0
							COLLISIONS:			00:00	00	0:00	0.0
							TOTALS:			00:00	00	0:00	0.0
							TOTAL TIME/MILES:			00:00	24	4:00	0.0

					PAGE NO.	
		QUALITY CONTRO	L REPORT-HOPPER	DREDGE		Page 118 of 279
CONTRACT NO	<b>)</b> .	CONTRACT TITLE	CONTRACT	OR	REPORT N	0.
W91278-14-I	0-0041 0001	Maintenance Dredging of Mobile Harbor	Dutra Dredgi	ing Company		59
DREDGE		NAME AND TYPE			<b>DATE</b> 08/07/201	4
		Columbia	LOADS		00/01/201	-
	1		LOADS	<u>r</u>	T	
LOAD NUMBER		DREDGING AREA DISPOSAL AREA	START TIME STOP TIME	PUMPING TURNING	TO DUMP DUMPING TO CUT	TOTAL TIME DREDGED AMOUNT AGITATED AMOUNT
			(HH:MM)	(MIN)	(MIN)	(MIN/CYS)
1	Sta 1070+00 to	1130+00	00:00	1	14	19
	Cell 8 & 9		00:01	0	4	0
					0	0
2	Sta 1070+00 to	1130+00	00:19	30	144	294
	Cell 8 & 9		00:49	0	4	2,635
					116	0
3	Sta 1070+00 to	1130+00	05:13	30	139	293
	Cell 8 & 9		05:43	0	11	2,635
					113	0
4	Sta 1070+00 to	1130+00	10:06	31	127	284
·	Cell 8 & 9		10:37	0	4	2,635
					122	0
5	Sta 1070+00 to	1130+00	14:50	31	136	306
	Cell 8 & 9		15:21	0	4	2,635
					135	0
6	Sta 1070+00 to	1130+00	19:56	24	95	244
-	Cell 8 & 9		20:26	6	0	2,635
					119	0
OC NABBAT	  VE(6)					

**GENERAL COMMENTS** 

CONTRACTOR CERTIFICATION	material used and work perfor	ertify that this Report is complete and correc med during this Reporting period are in comp e best of my knowledge, except as noted abo	liance with the contract
QC REPRESENTATIVE'S SIGNATURE	DATE	SUPERINTENDENT'S INITIALS	DATE

		-	QUA	ALITY	CONTR	OL REPO	ORT-HOPPER DREDO	GE .		PA	AGE NO.	ı	Page 119 of 279
CONTRACT NO		CONTRACT TI					CONTRACTOR			RE	PORT NO.		
W91278-14-D-		Maintenance [	Oredging o	of Mobi	ile Harbo	r	Dutra Dredging Comp	any		-	ATE		60
REPORT	Г	X MAINTEN	IANCE		NEW V	WORK					08/08/2014		
DRED	GE		ER CAP:			4487 CY	AVG VOL OF BIN WAT	ER:	4487 CY	AVG I	JNFILLED CAP	):	0 CY
Colur	mbia	NO. OF CF MEMBEF			DREDG	iΕ	OTHER PLANT	WORK SCH	HEDULE	SHIF	rs per day	DA	AYS PER WEEK
LOCATIO	ON OF	LOCATION CH	IANNEL	REAC	16 H DREDO	SED; STA	2 TO STA	DISPOSAL A					7 JLATIVE AND QTY
WOR		Mobile Ship Cha	ınnel		70+00 to			Cell 8 & 9		GROSS(CY) DEPOSIT F			OSIT FOR DA(CY) 436,994
		AVG LENGTH				6000 FT	AVG WIDTH OF CUT	•	400 FT	AVG DIST TO DUMP			23 NM
CHARACT	TER OF	DENSITY OF MA	ATERIALS	;				1470			ITER		1470
MATER	RIAL	DENSITY OF W	ATER						1012	: GMS/LITER@			90 °F
RIVER/		MIN	0.00	TIME		00:00	MAX 0.00	0.00 TIME 00:00 C			LOCATION FO	owl R	iver
STAC	SE	MIN	0.00	TIME		00:00	MAX 0.00	) TIME 00:00 G			DATUM M	LLW	
WEATHER C	ONDITION	WEATHER					TEMP	VISIBILITY			<del></del> -		
	0.1.2	Weather Caus	sed No Del	ay			·			22 MP			
		DRAFT					DISTRIBUTION OF TIME				_		
	LIGHT		LOADED				AGITATIN (MIN)				DREDGE ( HAUL (MIN		MILES RUN (NAUT MI)
FORWARD		6				17	EFFECTIVE WORKING TIME:						
AFT		9				17	PUMPING:			00:00	0	1:24	0.0
DRAG DEPTH	MAX 0		MIN	1 0			TURNING:			00:00	0	0:14	0.0
INDICATORS	OT OUTOKED O	N 00/05/00					TO DUMP:		00		0	6:17	0.0
INDICATORS LA	(S) CHECKED (	ON 06/25/201	14				CONNECTING:			00:00	0	0:00	0.0
AVERAGE SPEE	D OF DREDGE	DURING	F	T/MIN		0	DUMPING:			00:00	0	0:12	0.0
LOADING AVERAGE SPEE	ED OF DREDGE	DURING	F	T/MIN		0	DISCONNECTING:			00:00	0	0:00	0.0
AGITATING GALLONS OF F	UEL OIL CONSU	JMED		GAL		4.500	TO CUT:			00:00	0	6:02	0.0
GALLONS OF W				GAL		1,500	TOTALS:			00:00	1-	4:09	0.0
CALLEGING OF THE				0/12		500	NON-EFFECTIVE WOF	KING TIME:					
	\	WORK PERFORM	/IED				TAKING ON FUEL AND			00:00	0	6:49	0.0
		ND HAULING				ATING	TO AND FROM WHARI ANCHORAGE:			00:00	0	3:02	0.0
NO.OF LOADS 4	TOTAL CYS 7,905	DISPOS/ Cell 8	AL AREA 3 & 9			L CYS 0	LOSS DUE TO NATURA ELEMENTS:			00:00	0	0:00	0.0
							LOSS DUE TO TRAFFI BRIDGES	C AND		00:00	0	0:00	0.0
							MINOR OPERATING R	EPAIRS		00:00	0	0:00	0.0
							TRANSFERRING BETV WORKS	VEEN		00:00	0	0:00	0.0
		L ATTENDANT PL/	ANT				LAY TIME:			00:00	0	0:00	0.0
ITI	EM	NAME OF	R NUMBER	·	H.P.	HOURS	FIRE AND BOAT DRILL	FIRE AND BOAT DRILLS:		00:00	0	0:00	0.0
40' Cre			Anne		400	12:00	MISCELLANEOUS		00:00	0	0:00	0.0	
40 010	wboat	Саре	Aille		400	12.00	TOTALS			00:00	0:	9:51	0.0
							LOST TIME:						
							MAJOR REPAIRS AND ALTERNATIONS			00:00	0	0:00	0.0
							CESSATION:			00:00	0	0:00	0.0
							COLLISIONS:			00:00	0	0:00	0.0
							TOTALS:			00:00	0	0:00	0.0
							TOTAL TIME/MILES:			00:00	2	4:00	0.0

		QUALITY CONTROL	REPORT-HOPPER	DREDGE		PAGE NO.	Page 120 of 279		
CONTRACT NO	).	CONTRACT TITLE	CONTRACT	OR		REPORT NO.			
W91278-14-D	-0041 0001	Maintenance Dredging of Mobile Harbor	Dutra Dredgi	ng Company	60				
DREDGE		NAME AND TYPE Columbia		<b>DATE</b> 08/08/2014					
			LOADS						
LOAD NUMBER		DREDGING AREA DISPOSAL AREA	START TIME STOP TIME	PUMPING TURNING	DUN	DUMP MPING CUT	TOTAL TIME DREDGED AMOUNT AGITATED AMOUNT		
			(HH:MM)	(MIN)	(1	/IN)	(MIN/CYS)		
1	Sta 1070+00 to	1130+00	00:00	1		44	49		
	Cell 8 & 9		00:01	0		4	0		
						0	0		
2	Sta 1070+00 to	1130+00	00:49	28		139	302		
	Cell 8 & 9		01:23	6		4	2,635		
						125	0		
3	Sta 1070+00 to	1130+00	05:51	28		118	264		
	Cell 8 & 9		06:19	0		4	2,635		
	-30 %.0					114	0		
4	Sta 1070+00 to	1130+00	20:06	27		76	234		
-	Cell 8 & 9		20:41	8		0	2,635		
						123	0		

#### **GENERAL COMMENTS**

849 Minutes @ 100% 591 Minutes @ 0% for Fueling

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				

			QUA	LITY	CONTR	OL REPO	ORT-HOPPER DREDO	GE .		P	AGE NO.	P	Page 121 of 279
CONTRACT NO				of Moh	ilo Harbo	r	CONTRACTOR  Dutra Dredging Comp	any.		RI	EPORT NO.		
CHARACTER C	NO. 4-D-0041 0001 Maintenance Dredg R OF MAINTENANCE REDGE HOPPER C Columbia NO. OF CREW MEMBERS  ATION OF WORK LOCATION CHANNE Mobile Ship Channel AVG LENGTH OF CREW DENSITY OF MATER DENSITY OF WATER MIN CREME R CONDITION WEATHER Weather Caused No. DRAFT  LIGHT LOAI			I WIOD			Dutia Diedging Comp	Darry		D/	ATE		61
REPORT		X MAINTER	NANCE		NEW \	WORK	Т				08/09/2014		
DRE	OGE	HOPF	PER CAP:			4487 CY	AVG VOL OF BIN WAT	TER:	4487 CY	AVG	UNFILLED CAF	<b>)</b> :	0 CY
Colu	ımbia				DREDG	iΕ	OTHER PLANT	WORK SCI	HEDULE	SHIF	TS PER DAY	DA	YS PER WEEK
				DE 4.0	16		2	DISPOSAL A	REALISE	OTV	2 DEPOSITED	CLIMI	7 JLATIVE AND QTY
						GED; STA	TOSTA		INE/NOOL		S(CY)		OSIT FOR DA(CY)
				Sta 10	70+00 to		AVG WIDTH OF CUT	Cell 8 & 9	400 FT	۸۷/۲	10,540 <b> </b> DIST TO DUMP		447,534 23 NM
			OF CUT 6000 FT				AVG WIDTH OF COT						
		DENSITY OF M	MATERIALS						1470	GMS/L	.ITER		1470
MAIE	RIAL	DENSITY OF W	/ATER						1012	GMS/L	ITER@		90 °F
		MIN	0.00	TIME		00:00	MAX 0.00	TIME	00:00	GAGE	LOCATION F	owl Ri	ver
SIA	GE	MIN	0.00	TIME		00:00	MAX 0.00	TIME	00:00	GAGE	DATUM M	ILLW	
WEATHER C	CONDITION						TEMP	VISIBILITY		WIND			
		•	sed No Del	ay			75 °F / 94 °F	10 MI		26 MF			
		DRAFT						DISTRIBUT			MILES RUN		
	LIGHT		LOADED						AGITAT (MIN		DREDGE ( HAUL (MIN		MILES RUN (NAUT MI)
FORWARD		6				17	EFFECTIVE WORKING	CTIVE WORKING TIME:					
AFT		9				17	PUMPING:			00:00	0	1:46	0.0
DRAG DEPTH	DRAG DEPTH MAX 0 MIN (			0			TURNING:			00:00	0	0:22	0.0
INIDICATORS	TO DUMP:			00:00	0	8:52	0.0						
INDICATORS L	ASI CHECKED (	ON 06/25/20 <sup>2</sup>	14				CONNECTING:			00:00	0	0:00	0.0
	ED OF DREDGE	DURING	F	Γ/ΜΙΝ		0	DUMPING:			00:00	0	0:16	0.0
LOADING AVERAGE SPE	ED OF DREDGE	DURING	F	Γ/ΜΙΝ		0	DISCONNECTING:			00:00	0	0:00	0.0
AGITATING GALLONS OF F	FUEL OIL CONSU	IMED		GAL			TO CUT:			00:00	0	7:36	0.0
	VATER CONSUM			GAL			TOTALS:			00:00	1	8:52	0.0
GALLONS OF V	VATER CONSUM	//ED		GAL		784	NON-EFFECTIVE WOR	RKING TIME:					
	1	WORK PERFORI	MED				TAKING ON FUEL AND	SUPPLIES		00:00	0	0:00	0.0
		AND HAULING			AGIT	ATING	TO AND FROM WHARI ANCHORAGE:	FOR		00:00	0	0:00	0.0
NO.OF LOADS 5	TOTAL CYS 10,540		AL AREA 8 & 9			L CYS 0	LOSS DUE TO NATURA ELEMENTS:	AL		00:00	0	0:00	0.0
							LOSS DUE TO TRAFFI BRIDGES	C AND		00:00	0	0:00	0.0
							MINOR OPERATING R	EPAIRS		00:00	0	5:08	0.0
							TRANSFERRING BETV WORKS	VEEN		00:00	0	0:00	0.0
		L ATTENDANT PLA	ANT				LAY TIME:			00:00	0	0:00	0.0
IT	EM	1	R NUMBER	,	H.P.	HOURS	FIRE AND BOAT DRILI	_S:		00:00	0	0:00	0.0
	ewboat		Anne	•	400	12:00	MISCELLANEOUS			00:00	0	0:00	0.0
40 CI	ewboat	Саре	Anne		400	12:00	TOTALS			00:00	0	5:08	0.0
							LOST TIME:						
							MAJOR REPAIRS AND ALTERNATIONS			00:00	0	0:00	0.0
							CESSATION:			00:00	0	0:00	0.0
							COLLISIONS:			00:00	0	0:00	0.0
							TOTALS:			00:00	0	0:00	0.0
							TOTAL TIME/MILES:			00:00	2	4:00	0.0

		QUALITY CONTRO	L REPORT-HOPPER	DREDGE		PAGE NO.	Page 122 of 279
CONTRACT NO	<u> </u>	CONTRACT TITLE	CONTRACT	OR		REPORT NO	
W91278-14-E		Maintenance Dredging of Mobile Harbor	Dutra Dredgi			KEI OKI NO	61
DREDGE		NAME AND TYPE Columbia				<b>DATE</b> 08/09/2014	1
			LOADS				
LOAD NUMBER	NUMBER DISPOSAL AREA		START TIME STOP TIME (HH:MM)	PUMPING TURNING (MIN)	DUN TO	DUMP MPING CUT MIN)	TOTAL TIME DREDGED AMOUNT AGITATED AMOUNT (MIN/CYS)
1	Sta 1070+00 to	1130+00	00:00	1	ì	58	63
	Cell 8 & 9		00:01	0		4	0
						0	0
2	Sta 1070+00 to	1130+00	01:03	28		137	296
	Cell 8 & 9		01:37	6		4	2,635
						121	0
3	Sta 1070+00 to	1130+00	05:59	26		133	287
	Cell 8 & 9		06:33	8		4	2,635
						116	0
4	Sta 1070+00 to	1130+00	10:46	24		118	270
	Cell 8 & 9		11:10	0		4	2,635
						124	0
5	Sta 1070+00 to	1130+00	16:08	27		86	216
	Cell 8 & 9		16:43	8		0	2,635
						95	0

PAGE NO.

# QC NARRATIVE(S)

# **GENERAL COMMENTS**

1132 Minutes @ 100%

308 Minutes @ 0% for Minor repairs -- Generator cooling

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				

			QUA	LITY	CONTR	OL REPO	ORT-HOPPER DREDG	BE .		PA	AGE NO.	Р	age 123 of 279
CONTRACT NO		CONTRACT TI					CONTRACTOR			RE	EPORT NO.		<u></u>
W91278-14-D		Maintenance I	Oredging o	f Mobi	ile Harbo	r	Dutra Dredging Comp	pany					62
CHARACTER C REPORT	)F	X MAINTEN	NANCE		NEW V	VORK					<b>ATE</b> 08/10/2014		
DRED	OGE	HOPF	ER CAP:			4487 CY	AVG VOL OF BIN WAT	ER:	4487 CY	AVG l	UNFILLED CAP	:	0 CY
Colu	ımbia	NO. OF CF MEMBEF			DREDG	E	OTHER PLANT	WORK SC	HEDULE	SHIFT	TS PER DAY	DA'	YS PER WEEK
					16		2	DISPOSAL A	DEA LISE	OTV D	2 EPOSITED	TI INALI	7 ILATIVE AND QTY
LOCATION WOR		LOCATION CH				SED; STA	TO STA		INLA OOL	GROS	S(CY)		OSIT FOR DA(CY)
		Mobile Ship Cha		Sta 10	35+00 to	1070+00 3500 FT	AVG WIDTH OF CUT	Cell 8 & 9	400 FT	AVG F	13,175   DIST TO DUMP		460,709 24 NM
							AVG WIDTH OF COT						
CHARAC MATE		DENSITY OF M	ATERIALS	RIALS					1470	GMS/L	ITER		1470
MATE		DENSITY OF W	ATER	TER					1012	GMS/L	ITER@		90 °F
RIVER		MIN	0.00	TIME		00:00	MAX 0.00	TIME	00:00	GAGE	LOCATION Fo	wl Riv	/er
STA	GE	MIN	0.00	TIME		00:00	MAX 0.00	TIME	00:00	GAGE	DATUM MI	LLW	
WEATHER C	CONDITION	WEATHER					TEMP	VISIBILITY		WIND			
		Weather Caus	sed No Dela	ay			73 °F / 89 °F	10 MI	ION OF TH	10 MP			
		DRAFT						DISTRIBUT	AGITAT		MILES RUN  DREDGE 8	<del></del>	MILES RUN
	LIGHT		LOADED					(MIN)			HAUL (MIN		(NAUT MI)
FORWARD		6				17	EFFECTIVE WORKING	TIME:					
AFT		9				17	PUMPING:			00:00		2:13	0.0
DRAG DEPTH	MAX 0		MIN	0			TURNING:			00:00		0:36	0.0
INDICATORS LA	AST CHECKED (	TO DUMP: HECKED ON 06/25/2014			00:00		0:05	0.0					
							CONNECTING:			00:00		0:00	0.0
AVERAGE SPE LOADING	ED OF DREDGE	DURING	FT	Γ/MIN		0	•			00:00		0:20	0.0
	ED OF DREDGE	DURING	FT	Γ/MIN		0	DISCONNECTING:			00:00		0:00	0.0
	FUEL OIL CONSI	JMED		GAL		2,538	TO CUT: TOTALS:			00:00		0:46 4:00	0.0
GALLONS OF V	VATER CONSUM	ИED		GAL		784	NON-EFFECTIVE WOR	OKING TIME:		00:00	22	1.00	0.0
	,	WORK PERFORM	MED				TAKING ON FUEL AND		l	00:00	T 00	0:00	0.0
		AND HAULING			AGIT	ATING	TO AND FROM WHARF			00:00		0:00	0.0
NO.OF LOADS			AL AREA			L CYS	ANCHORAGE: LOSS DUE TO NATURA	AL		00:00		0:00	0.0
6	13,175	Cell	8 & 9		(	0	ELEMENTS: LOSS DUE TO TRAFFI	C AND		00:00		0:00	0.0
							BRIDGES MINOR OPERATING R	FPAIRS		00:00		0:00	0.0
							TRANSFERRING BETV			00:00		0:00	0.0
							WORKS LAY TIME:			00:00		0:00	0.0
		ATTENDANT PLA	ANT	- 1		ı	FIRE AND BOAT DRILL	 _S:		00:00		0:00	0.0
IT	EM	NAME OF	R NUMBER	1	H.P.	HOURS	MISCELLANEOUS			00:00	00	0:00	0.0
40' Cre	ewboat	Cape	Anne		400	12:00	TOTALS			00:00	00	0:00	0.0
							LOST TIME:		1		.1		
							MAJOR REPAIRS AND			00:00	00	0:00	0.0
							ALTERNATIONS CESSATION:			00:00	00	0:00	0.0
							COLLISIONS:			00:00	00	0:00	0.0
							TOTALS:			00:00	00	0:00	0.0
							TOTAL TIME/MILES:			00:00	24	4:00	0.0
		1				1	•		1				

		QUALITY CONTROL	REPORT-HOPPER	DREDGE		PAGE NO.	Page 124 of 279
CONTRACT NO	).	CONTRACT TITLE	CONTRACTO	OR		REPORT N	 O.
W91278-14-I	D-0041 0001	Maintenance Dredging of Mobile Harbor	Dutra Dredgi	ng Company			62
DREDGE		NAME AND TYPE				<b>DATE</b> 08/10/201	4
		Columbia				00/10/201	4
		1	LOADS				1
LOAD NUMBER		DREDGING AREA DISPOSAL AREA	START TIME STOP TIME	PUMPING TURNING	DUN	DUMP MPING CUT	TOTAL TIME DREDGED AMOUNT AGITATED AMOUNT
			(HH:MM)	(MIN)		/IN)	(MIN/CYS)
1	Sta 1035+00 to	o 1070+00	00:00	1		40	45
	Cell 8 & 9		00:01	0		4	0
						0	0
2	Sta 1035+00 t	o 1070+00	00:45	24		145	304
_	Cell 8 & 9		01:17	8		4	2,635
						123	0
3	Sta 1035+00 t	o 1070+00	05:49	25		141	294
-	Cell 8 & 9		06:22	8		4	2,635
						116	0
4	Sta 1035+00 t	o 1070+00	10:43	30		126	295
•	Cell 8 & 9		11:20	7		4	2,635
						128	0
5	Sta 1035+00 t	o 1070+00	15:38	27		124	307
Ü	Cell 8 & 9		16:12	7		4	2,635
						145	0
6	Sta 1035+00 t	o 1070+00	20:45	26		29	195
	Cell 8 & 9		21:17	6		0	2,635
						134	0

**GENERAL COMMENTS** 

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						

			QUA	ALITY	CONTR	OL REPO	ORT-HOP	PPER DREDG	βE		PA	GE NO.	F	Page 125 of 279
CONTRACT NO		CONTRACT TI		of Mak	ila Uarba	_		RACTOR			RE	PORT NO.		
W91278-14-D CHARACTER O		Maintenance I		dol it			Dutra	Dredging Comp	any		DA	ATE	—	63
REPORT	-	X  MAINTEN	NANCE		NEW V	VORK	ı					08/11/2014		
DRED	GE		ER CAP:			4487 CY	AVG VC	OL OF BIN WAT	ER:	4487 CY	AVG U	JNFILLED CAP	1:	0 CY
Colu	mbia	NO. OF CF MEMBER			DREDG	E	ОТН	ER PLANT	WORK SCI	HEDULE	SHIFT	S PER DAY	DA	YS PER WEEK
LOCATIO	ON OF	LOCATION CH	IANNEL	REAC	16 H DREDG	SED; STA	TO STA	2	DISPOSAL A	REA USE				7 JLATIVE AND QTY
WOF		Mobile Ship Cha	annel		35+00 to				Cell 8 & 9		GROSS	S(CY) 10,540	DEP	OSIT FOR DA(CY) 471,249
		AVG LENGTH	OF CUT			3500 FT	AVG WI	IDTH OF CUT		400 FT	AVG D	DIST TO DUMP		24 NM
CHARAC	TED OF	DENSITY OF M	ATERIALS	;						1470	GMS/LI	ITER		1470
MATER		DENSITY OF W	ATER							1012	GMS/LI	ITER@		90 °F
RIVER/	TIDE	MIN	0.00	TIME		00:00	MAX	0.00	TIME	00:00	GAGE	LOCATION Fo	owl Ri	iver
STAC		MIN	0.00	TIME	•	00:00	MAX	0.00	TIME	00:00	GAGE	DATUM M	LLW	
WEATHER C	ONDITION	WEATHER					TEMP		VISIBILITY		WIND	-		
WEXTILITY		Weather Caus	sed No Del	ay			73	°F / 91 °F	10 MI		30 MP		—	
		DRAFT							DISTRIBUT			MILES RUN		MILEO DUN
	LIGHT		LOADED						AGITATINI (MIN)			DREDGE & HAUL (MIN		MILES RUN (NAUT MI)
FORWARD		6				17	EFFECTIVE WORKING TIME:					<del></del>		
AFT		9				17	PUMPIN				00:00		1:54	0.0
DRAG DEPTH	MAX 0							00:00	-	0:28	0.0			
INDICATORS LA	AST CHECKED (	ON 06/25/20	14				TO DUM				00:00	-	0:00	0.0
							DUMPIN				00:00		0:30	0.0
AVERAGE SPEE LOADING	ED OF DREDGE	DURING	Ì.	T/MIN		0		INECTING:			00:00	-	0:00	0.0
AVERAGE SPEE AGITATING	ED OF DREDGE	DURING	F	T/MIN		0	TO CUT:				00:00		0:08	0.0
GALLONS OF F	UEL OIL CONSI	JMED		GAL		2,920	TOTALS				00:00		4:00	0.0
GALLONS OF V	ATER CONSUM	MED		GAL		935	<b>-</b>	FECTIVE WOR	KING TIME:					
	,	WORK PERFORI	MED				TAKING	ON FUEL AND	SUPPLIES		00:00	0(	0:00	0.0
	DREDGING A	ND HAULING			AGIT	ATING	TO AND ANCHOR	FROM WHARF	OR		00:00	0(	0:00	0.0
NO.OF LOADS 6	TOTAL CYS 10,540		AL AREA 8 & 9			L CYS		UE TO NATURA	AL.		00:00	0(	0:00	0.0
	-,-					_		UE TO TRAFFIC	CAND		00:00	00	0:00	0.0
								OPERATING RE	EPAIRS		00:00	00	0:00	0.0
							TRANSF WORKS	ERRING BETW	VEEN		00:00	0(	0:00	0.0
		L ATTENDANT PL	ANT	[			LAY TIM	IE:			00:00	0(	0:00	0.0
IT	EM	NAME OF	R NUMBER	₹	H.P.	HOURS	FIRE AN	ID BOAT DRILL	.S:		00:00	0(	0:00	0.0
40' Cre	ewboat	Cape	Anne		400	12:00	MISCELI	LANEOUS			00:00	00	0:00	0.0
							TOTALS	<b>i</b>			00:00	00	0:00	0.0
							LOST TI					<del>,</del>		
							MAJOR ALTERN	REPAIRS AND ATIONS			00:00	00	0:00	0.0
							CESSAT	TON:			00:00	00	0:00	0.0
							COLLISI	ONS:			00:00	00	0:00	0.0
							TOTALS				00:00		0:00	0.0
							TOTAL 1	ΓIME/MILES:			00:00	24	4:00	0.0

		QUALITY CONTROL	L REPORT-HOPPER	DREDGE	PAGE NO.	Page 126 of 279
CONTRACT NO	D.	CONTRACT TITLE	CONTRACTO	OR	REPORT N	 O.
W91278-14-I	D-0041 0001	Maintenance Dredging of Mobile Harbor	Dutra Dredgi	ng Company		63
DREDGE		NAME AND TYPE			<b>DATE</b> 08/11/201	4
		Columbia	LOADS		00/11/201	
	_				TO BUILD	TOTAL TU45
LOAD NUMBER		DREDGING AREA DISPOSAL AREA	START TIME STOP TIME	PUMPING TURNING	TO DUMP DUMPING TO CUT	TOTAL TIME DREDGED AMOUNT AGITATED AMOUNT
			(HH:MM)	(MIN)	(MIN)	(MIN/CYS)
1	Sta 1035+00 t	to 1070+00	00:00	1	112	117
	Cell 8 & 9		00:01	0	4	0
					0	0
2	Sta 1035+00 t	to 1070+00	01:57	26	141	316
	Cell 8 & 9		02:30	7	14	2,635
	0000				128	0
3	Sta 1035+00	to 1070+00	07:13	27	141	306
	Cell 8 & 9		07:47	7	4	2,635
					127	0
4	Sta 1035+00 t	to 1070+00	12:19	32	139	309
	Cell 8 & 9		12:58	7	4	2,635
					127	0
5	Sta 1035+00	to 1070+00	17:28	27	127	310
•	Cell 8 & 9		18:02	7	4	2,635
	300				145	0
6	Sta 1035+00	to 1070+00	22:38	1	0	82
-	Cell 8 & 9		22:39	0	0	0
	300				81	0

**GENERAL COMMENTS** 

CONTRACTOR CERTIFICATION	material used and work perforn	ertify that this Report is complete and correct ned during this Reporting period are in comp best of my knowledge, except as noted above	liance with the contract
QC REPRESENTATIVE'S SIGNATURE	DATE	SUPERINTENDENT'S INITIALS	DATE

			QUA	LITY	CONTR	OL REPO	ORT-HOPPER DREDO	SE .		PA	AGE NO.	F	Page 127 of 279
CONTRACT NO		CONTRACT TI					CONTRACTOR			RE	EPORT NO.		
W91278-14-D CHARACTER O		Maintenance I	Oredging o	of Mobi			Dutra Dredging Comp	any		-	ATE	—	64
REPORT	Г	X MAINTEN	IANCE		NEW V	WORK					08/12/2014		
DRED	GE	HOPF	ER CAP:			4487 CY	AVG VOL OF BIN WATER: 4487 CY A			AVG I	UNFILLED CAP	:	0 CY
Colu	mbia	NO. OF CF MEMBEF			DREDG	iΕ	OTHER PLANT	WORK SCI	HEDULE	SHIFT	TS PER DAY	DA	YS PER WEEK
		LOCATION CH	IANNEI	DEAC	16	SED; STA	2	DISPOSAL A	REA USE	QTY D	EPOSITED C	UMU	7 JLATIVE AND QTY
LOCATIO WOR		Mobile Ship Cha					10314	Cell 8 & 9		GROS			OSIT FOR DA(CY) 484,424
		AVG LENGTH	-	Sta 10	35+00 to	3500 FT	AVG WIDTH OF CUT	Cellows	400 FT	AVG [	DIST TO DUMP		24 NM
		DENSITY OF M	ATERIALS						1470	GMS/L	ITER		1470
CHARACT MATER		DENSITY OF W						1012 GI					90 °F
			I	TIME		00.00	MAY	ТІЛАГ					
RIVER/ STAC		MIN		TIME	-						LOCATION Fo		ver
		MIN	0.00	TIME		00:00					DATUM MI	LLW	
WEATHER C	ONDITION	WEATHER Weather Caus	sed No Del	ay			TEMP 70 °F / 89 °F	VISIBILITY 10 MI		WIND 32 MP	Н		
		DRAFT						DISTRIBUT	ON OF TIM	E AND	MILES RUN		
	LIGHT		LOADED						AGITAT (MIN		DREDGE 8 HAUL (MIN		MILES RUN (NAUT MI)
FORWARD		6				17	EFFECTIVE WORKING TIME:				TINOL (WIII)	<i>)</i>	(TUTOT IVII)
AFT		9				17	PUMPING: 0				02	2:16	0.0
DRAG DEPTH	MAX 0	MAX 0 MIN 0 TURNING:						00:00	00	0:35	0.0		
							TO DUMP:			00:00	11	1:15	0.0
INDICATORS LA	AST CHECKED (	ON 06/25/20 <sup>-</sup>	14				CONNECTING:			00:00	00	0:00	0.0
AVERAGE SPE	ED OF DREDGE	DURING	F	T/MIN		0	DUMPING:			00:00	00	0:20	0.0
LOADING AVERAGE SPE	ED OF DREDGE	DURING	F	T/MIN		0	DISCONNECTING:			00:00	00	0:00	0.0
AGITATING	UEL OIL CONSU	JMED		GAL		0	TO CUT:			00:00	06	9:34	0.0
	ATER CONSUM			GAL			TOTALS:			00:00	24	4:00	0.0
OALLONG OF V	TATER CONSON			OAL		1,122	NON-EFFECTIVE WOR	KING TIME:					
		WORK PERFORM	/IED				TAKING ON FUEL AND			00:00	00	0:00	0.0
NO 051 0480		ND HAULING				ATING	TO AND FROM WHARF ANCHORAGE:			00:00	00	0:00	0.0
NO.OF LOADS 6	TOTAL CYS 13,175		AL AREA 8 & 9			L CYS 0	LOSS DUE TO NATURA ELEMENTS:			00:00	00	0:00	0.0
							LOSS DUE TO TRAFFI BRIDGES	C AND		00:00	00	0:00	0.0
							MINOR OPERATING R			00:00	00	0:00	0.0
							TRANSFERRING BETV WORKS	VEEN		00:00	00	0:00	0.0
		ATTENDANT PL	ANT				LAY TIME:			00:00	00	0:00	0.0
IT	EM	NAME OF	NUMBER	2	H.P.	HOURS	FIRE AND BOAT DRILL	.S:		00:00	00	0:00	0.0
40' Cre	wboat	Cape	Anne		400	12:00	MISCELLANEOUS			00:00	00	0:00	0.0
							TOTALS			00:00	00	0:00	0.0
							LOST TIME:						
							MAJOR REPAIRS AND ALTERNATIONS			00:00	00	0:00	0.0
							CESSATION:			00:00	00	0:00	0.0
							COLLISIONS:			00:00	00	0:00	0.0
							TOTALS:			00:00		0:00	0.0
							TOTAL TIME/MILES:			00:00	24	4:00	0.0

		QUALITY CONTROL	REPORT-HOPPER	DREDGE		PAGE NO.	Page 128 of 279
CONTRACT NO	O.	CONTRACT TITLE	CONTRACT	OR		REPORT NO	D.
W91278-14-I	D-0041 0001	Maintenance Dredging of Mobile Harbor	Dutra Dredgi	ng Company			64
DREDGE		NAME AND TYPE Columbia				<b>DATE</b> 08/12/201	4
		Columbia	LOADS				
					ТО	DUMP	TOTAL TIME
LOAD NUMBER		DREDGING AREA DISPOSAL AREA	START TIME STOP TIME	PUMPING TURNING	DUN	MPING CUT	DREDGED AMOUNT AGITATED AMOUNT
			(HH:MM)	(MIN)	(1)	ΛIN)	(MIN/CYS)
1	Sta 1035+00 t	o 1070+00	00:00	30		138	224
	Cell 8 & 9		00:37	7		4	2,635
						45	0
2	Sta 1035+00 t	0 1070+00	03:44	25		138	302
	Cell 8 & 9		04:15	6		4	2,635
						129	0
3	Sta 1035+00 t	0 1070+00	08:46	26		140	296
	Cell 8 & 9		09:18	6		4	2,635
						120	0
4	Sta 1035+00 t	o 1070+00	13:42	27		128	295
	Cell 8 & 9		14:18	9		4	2,635
						127	0
5	Sta 1035+00 t	0 1070+00	18:37	27		131	307
-	Cell 8 & 9		19:11	7		4	2,635
						138	0
6	Sta 1035+00 t	0 1070+00	23:44	1		0	16
-	Cell 8 & 9		23:45	0		0	0
	2000					15	0

**GENERAL COMMENTS** 

CONTRACTOR CERTIFICATION	material used a	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							

			QUA	ALITY	CONTR	OL REPO	ORT-HOPPER DRED	GE		PA	AGE NO.	F	Page 129 of 279
CONTRACT NO		CONTRACT TI	TLE				CONTRACTOR			RE	PORT NO.		
W91278-14-D CHARACTER O		Maintenance I	Oredging o	of Mob	ile Harbo	r	Dutra Dredging Comp	oany					65
REPORT	'F	X MAINTEN	NANCE		NEW V	WORK					ATE 08/13/2014		
DRED	GE	HOPF	ER CAP:			4487 CY	AVG VOL OF BIN WATER: 4487 CY A			AVG (	JNFILLED CAP	:	0 CY
Colu	mbia	NO. OF CF MEMBER			DREDG	iΕ	OTHER PLANT	WORK SCI	HEDULE	SHIFT	TS PER DAY	DA	YS PER WEEK
		LOGATION OF		DEAG	16	NED 074	2	DISPOSAL A	REA USE	OTY D	2 EPOSITED	7 CUMULATIVE AND QTY	
LOCATIO WOR		LOCATION CH				SED; STA				GROS	S(CY)		OSIT FOR DA(CY)
		Mobile Ship Cha		Sta 10	135+00 to	3500 FT	& 410 to 470 AVG WIDTH OF CUT	Cell 8 & 9	400 FT	13,175 AVG DIST TO DUMP			497,599 24 NM
				,								—	
CHARACT MATER		DENSITY OF M		1					1470	GMS/L			1470
		DENSITY OF W	ATER					T	1012	GMS/L	ITER@ 		90 °F
RIVER/		MIN	0.00	TIME		00:00	MAX 0.00	TIME	00:00	GAGE	LOCATION Fo	wl Ri	ver
STAC	<b>5</b> C	MIN	0.00	TIME		00:00	MAX 0.00	X 0.00 TIME 00:00 GA			DATUM MI	LLW	
WEATHER C	ONDITION	WEATHER Weather Caus	and No Dol							WIND 7 MPH			
		DRAFT	sed NO Dei	ау			73 F/90 F	•	•		MILES RUN		
	LICHT		LOADED						AGITAT		DREDGE 8		MILES RUN
EODWADD.	LIGHT		LOADED			17	(MIN) EFFECTIVE WORKING TIME:				HAUL (MIN	)	(NAUT MI)
FORWARD		6					PUMPING: 0				0;	2:19	0.0
AFT		TURNING:				00:00		0:28	0.0				
DRAG DEPTH	MAX 0		MIN	1 0			TO DUMP:			00:00		9:26	0.0
INDICATORS LA	AST CHECKED (	ON 06/25/20	14				CONNECTING:			00:00		0:00	0.0
AV (50 A 05 005)		DI IDINIO		- /a a s s T			DUMPING:			00:00		0:16	0.0
AVERAGE SPEI LOADING				T/MIN		0	DISCONNECTING:			00:00	0(	0:00	0.0
AGITATING	ED OF DREDGE		F	T/MIN		0	TO CUT:			00:00	1'	1:31	0.0
GALLONS OF F	UEL OIL CONSU	JMED		GAL		2,760	TOTALS:			00:00	24	4:00	0.0
GALLONS OF V	VATER CONSUN	MED		GAL		1,385	NON-EFFECTIVE WOR	RKING TIME:					
	,	WORK PERFORI	MED				TAKING ON FUEL AND	SUPPLIES		00:00	00	0:00	0.0
	DREDGING A	ND HAULING			AGIT	ATING	TO AND FROM WHAR ANCHORAGE:	F OR		00:00	00	0:00	0.0
NO.OF LOADS 5	TOTAL CYS 13,175		AL AREA 8 & 9			L CYS 0	LOSS DUE TO NATUR ELEMENTS:	AL		00:00	00	0:00	0.0
	-, -					-	LOSS DUE TO TRAFFI BRIDGES	C AND		00:00	00	0:00	0.0
							MINOR OPERATING R	EPAIRS		00:00	00	0:00	0.0
							TRANSFERRING BET\ WORKS	WEEN		00:00	00	0:00	0.0
		L ATTENDANT PL	ANT				LAY TIME:			00:00	00	0:00	0.0
IT	EM	NAME OF	R NUMBER	2	H.P.	HOURS	FIRE AND BOAT DRILI	LS:		00:00	00	0:00	0.0
	ewboat		Anne		400	12:00	MISCELLANEOUS			00:00	00	0:00	0.0
10 010		Сиро	7 11110			12.00	TOTALS			00:00	00	0:00	0.0
							LOST TIME:		ı				
							MAJOR REPAIRS AND ALTERNATIONS			00:00	00	0:00	0.0
							CESSATION:			00:00	00	0:00	0.0
							COLLISIONS:			00:00	00	0:00	0.0
							TOTALS:			00:00	00	0:00	0.0
							TOTAL TIME/MILES:			00:00	24	4:00	0.0

		OHALITY CONTROL	DEDORT HODDER	DDEDGE		PAGE NO.	
		QUALITY CONTROL	. REPORT-HOPPER	DREDGE			Page 130 of 279
CONTRACT NO	).	CONTRACT TITLE	CONTRACTO	OR		REPORT N	10.
W91278-14-I	0-0041 0001	Maintenance Dredging of Mobile Harbor	Dutra Dredgii		65		
DREDGE		NAME AND TYPE Columbia				<b>DATE</b> 08/13/20	14
			LOADS			1	
LOAD NUMBER		DREDGING AREA DISPOSAL AREA	START TIME STOP TIME (HH:MM)	PUMPING TURNING (MIN)	DUM TO	DUMP MPING CUT MIN)	TOTAL TIME DREDGED AMOUNT AGITATED AMOUNT (MIN/CYS)
1	Sta 1035+00	to 1070+00	00:00	30		135	287
'	Cell 8 & 9		00:37	7		4	2,635
	Cello & 9					111	0
2	Sta 1035+00	to 1070+00	04:47	27		132	302
	Cell 8 & 9		05:21	7		4	2,635
						132	0
3	Sta 1035+00	to 1070+00	09:49	33		140	308
	Cell 8 & 9		10:30	8		4	2,635
						123	0
4	Sta 1035+00	to 1070+00	14:57	26		125	290
	Cell 8 & 9		15:29	6		4	2,635
						129	0
5	Sta 410+00 to	0 470+00	19:47	23		34	253
-	Cell 8 & 9		20:10	0		0	2,635
						196	0

# **GENERAL COMMENTS**

CONTRACTOR CERTIFICATION	material used a	and work performed during t	is Report is complete and correct a his Reporting period are in complia knowledge, except as noted above.	ance with the contract
QC REPRESENTATIVE'S SIGNATURE		DATE	SUPERINTENDENT'S INITIALS	DATE

			QUA	LITY	CONTR	OL REPO	ORT-HC	PPER DREDG	SE .		P	AGE NO.	ı	Page 131 of 279
CONTRACT NO W91278-14-D		CONTRACT TI Maintenance I		of Moh	ilo Harbo	r		TRACTOR	aanv		R	EPORT NO.		66
CHARACTER C				down re			Dulla	a Dredging Comp	pariy			ATE		66
REPORT		X  MAINTEN	NANCE		NEW V	WORK	ı					08/14/2014		
DRED	OGE		PER CAP:			4487 CY	AVG V	OL OF BIN WAT	ER:	4487 CY	AVG	UNFILLED CAI	P:	0 CY
Colu	mbia	NO. OF CF MEMBER			DREDG	iΕ	ОТІ	HER PLANT	WORK SCI	HEDULE	SHIF	TS PER DAY	DA	AYS PER WEEK
LOCATIO		LOCATION CH	IANNEI	PΕΔC	H DREDG	SED; STA	TO STA	2	DISPOSAL A	REA USE	QTY	2 DEPOSITED		7 JLATIVE AND QTY
LOCATION WOR		Mobile Ship Cha			0+00 to 4		10314		Cell 8 & 9			SS(CY) 7,905	DEP	OSIT FOR DA(CY) 505,504
		AVG LENGTH		31a 41	0+00 10 4	6000 FT	AVG V	VIDTH OF CUT	0011043	400 FT	AVG	DIST TO DUMF	•	36 NM
		DENSITY OF M	ATERIAI S							1470	GMS/	LITER	=	1470
CHARAC <sup>*</sup> MATEI														
		DENSITY OF W	ATER						I	1012	GMS/	LITER@	-	90 °F
RIVER/ STAC		MIN	0.00	TIME		00:00	MAX	0.00	TIME	TIME 00:00 GA			og Ri	ver
SIA	JE	MIN	0.00	TIME		00:00	MAX	0.00	TIME	00:00	GAGE	DATUM N	ИLLW	
WEATHER C	ONDITION	WEATHER Weather Caus	and No Dol	01/			TEMP				WIND 7 MP			
		DRAFT	sed No Dei	ay				0 1 / 90 1	•	ION OF TIN		D MILES RUN		
										AGITA		DREDGE	&	MILES RUN
500,4400	LIGHT		LOADED				(MIN) EFFECTIVE WORKING TIME:		۷)	HAUL (MII	N)	(NAUT MI)		
FORWARD		6				17					00:0	0 0	01:20	0.0
AFT		9				17	TURNII				00:0		00:06	0.0
DRAG DEPTH	MAX 0		MIN	0			TO DU				00:0		13:05	0.0
INDICATORS LA	AST CHECKED (	ON 06/25/20	14					ECTING:			00:0		00:00	0.0
							DUMPI				00:0	-	00:12	0.0
LOADING	ED OF DREDGE			T/MIN		0	DISCO	NNECTING:			00:0	-	00:00	0.0
AVERAGE SPE AGITATING	ED OF DREDGE	DURING	F	T/MIN		0	TO CU	T:			00:0		9:17	0.0
GALLONS OF F	UEL OIL CONSU	JMED		GAL		3,569	TOTAL				00:0	-	24:00	0.0
GALLONS OF V	VATER CONSUM	MED		GAL		784		FFECTIVE WOR	KING TIME:					
	,	WORK PERFORI	MED				TAKING	G ON FUEL AND	SUPPLIES		00:0	0 0	00:00	0.0
	DREDGING A	ND HAULING			AGITA	ATING		D FROM WHARF DRAGE:	OR		00:0	0 0	00:00	0.0
NO.OF LOADS 4	TOTAL CYS 7,905		AL AREA 8 & 9			L CYS 0		DUE TO NATURA	AL		00:0	0 0	00:00	0.0
	7,000	0011	<u> </u>		<u> </u>	<u> </u>		DUE TO TRAFFIC	C AND		00:0	0 (	00:00	0.0
								OPERATING RI	EPAIRS		00:0	0 (	00:00	0.0
							TRANS	FERRING BETV	VEEN		00:0	0 0	00:00	0.0
		L ATTENDANT PL	ANT				LAY TII	ME:			00:0	0 (	00:00	0.0
IT	EM	1	R NUMBER	,	H.P.	HOURS	FIRE A	ND BOAT DRILL	.S:		00:0	0 (	00:00	0.0
	ewboat		Anne	•	400	12:00	MISCE	LLANEOUS			00:0	0 (	00:00	0.0
40 016		Саре	Aille		400	12.00	TOTAL	S			00:0	0 (	00:00	0.0
							LOST 1							
								R REPAIRS AND NATIONS			00:0	0 0	00:00	0.0
							CESSA	TION:			00:0	0 0	00:00	0.0
							COLLIS	SIONS:			00:0	0 0	00:00	0.0
							TOTAL	S:			00:0	0 0	00:00	0.0
							TOTAL	TIME/MILES:			00:0	0 2	24:00	0.0

		QUALITY CONTROL	REPORT-HOPPER	DREDGE		PAGE NO.	Page 132 of 279		
CONTRACT NO	).	CONTRACT TITLE	CONTRACT	OR		REPORT N	REPORT NO.		
W91278-14-D	0-0041 0001	Maintenance Dredging of Mobile Harbor	Dutra Dredgi	ng Company	66				
DREDGE		NAME AND TYPE Columbia				<b>DATE</b> 08/14/201	4		
			LOADS			-			
LOAD NUMBER		DREDGING AREA DISPOSAL AREA	START TIME STOP TIME	PUMPING TURNING	DUI	DUMP MPING CUT	TOTAL TIME DREDGED AMOUNT AGITATED AMOUNT		
			(HH:MM)	(MIN)		ЛIN)	(MIN/CYS)		
1	Sta 410+00 to 470+00		00:00	1		176	181		
	Cell 8 & 9		00:01	0		4	0		
						0	0		
2	Sta 410+00 to	470+00	03:01	29		210	433		
	Cell 8 & 9		03:30	0		4	2,635		
						190	0		
3	Sta 410+00 to	470+00	10:14	25		209	424		
	Cell 8 & 9		10:45	6		4	2,635		
						180	0		
4	Sta 410+00 to	470+00	17:18	25		190	402		
	Cell 8 & 9		17:43	0		0	2,635		
						187	0		

**GENERAL COMMENTS** 

CONTRACTOR CERTIFICATION	material used a	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							

CONTRACT NO. CONTRACT TITLE CONTRACTOR REPORT NO.	
W91278-14-D-0041 0001 Maintenance Dredging of Mobile Harbor Dutra Dredging Company  CHARACTER OF DATE  DATE	67
REPORT    MAINTENANCE   NEW WORK   DATE   08/15/2014	
DREDGE HOPPER CAP: 4487 CY AVG VOL OF BIN WATER: 4487 CY AVG UNFILLED CAP:	0 CY
MEMBERS	'S PER WEEK
LOCATION OF LOCATION CHANNEL REACH DREDGED; STA TO STA DISPOSAL AREA USE OTY DEPOSITED CUMUL	7_ATIVE AND QTY
WORK   Mobile Ship Channel   Sta 410+00 to 470+00   Cell 8 & 9   7,905	SIT FOR DA(CY) 513,409
AVG LENGTH OF CUT 6000 FT AVG WIDTH OF CUT 400 FT AVG DIST TO DUMP	36 NM
CHARACTER OF DENSITY OF MATERIALS 1470 GMS/LITER	1470
MATERIAL DENSITY OF WATER 1012 GMS/LITER@	90 °F
RIVER/TIDE MIN 0.00 TIME 00:00 MAX 0.00 TIME 00:00 GAGE LOCATION Dog Rive	er
STAGE MIN 0.00 TIME 00:00 MAX 0.00 TIME 00:00 GAGE DATUM MLLW	
WEATHER CONDITION WEATHER TEMP VISIBILITY WIND	
Weather Caused No Delay 69 °F / 90 °F   10 MI   23 MPH	
DRAFT DISTRIBUTION OF TIME AND MILES RUN	MILES RUN
LIGHT LOADED AGITATING DREDGE & HAUL (MIN)	(NAUT MI)
FORWARD 6 17 EFFECTIVE WORKING TIME:	
AFT 9 17 PUMPING: 00:00 01:23	0.0
DRAG DEPTH MAX 0 MIN 0 TURNING: 00:00 00:08	0.0
TO DUMP: 00:00 10:42 INDICATORS LAST CHECKED ON 06/25/2014	0.0
CONNECTING: 00:00 00:00	0.0
AVERAGE SPEED OF DREDGE DURING FT/MIN DUMPING: 00:00 00:16 LOADING	0.0
AVERAGE SPEED OF DREDGE DURING FT/MIN 0	0.0
GALLONS OF FUEL OIL CONSUMED GAL 2.655	0.0
GALLONS OF WATER CONSUMED  GAL  TOTALS:  00:00  23:48  NON-EFFECTIVE WORKING TIME:	0.0
WORK PERFORMED TAKING ON FUEL AND SUPPLIES 00:00 00:00	0.0
DREDGING AND HAULING AGITATING TO AND FROM WHARF OR 00:00 00:00	0.0
NO.OF LOADS TOTAL CYS DISPOSAL AREA TOTAL CYS LOSS DUE TO NATURAL 00:00 00:00	0.0
5 7,905 Cell 8 & 9 0 ELEMENTS: 00:00 00:00	0.0
BRIDGES   00:00   00:00	0.0
TRANSFERRING BETWEEN 00:00 00:00	0.0
WORKS LAY TIME: 00:00 00:00	0.0
ATTENDANT PLANT    FIRE AND BOAT DRILLS: 00:00 00:00	0.0
ITEM NAME OR NUMBER H.P. HOURS MISCELLANEOUS 00:00 00:00	0.0
40' Crewboat Cape Anne 400 12:00 TOTALS 00:00 00:12	0.0
LOST TIME:	
MAJOR REPAIRS AND ALTERNATIONS 00:00 00:00	0.0
ALTERNATIONS	0.0
COLLISIONS: 00:00 00:00	0.0
TOTALS: 00:00 00:00	0.0
TOTAL TIME/MILES: 00:00 24:00	0.0

		QUALITY CONTRO	L REPORT-HOPPER	DREDGE		PAGE NO.	Page 134 of 279
CONTRACT NO	`	CONTRACT TITLE	CONTRACT	OP.		REPORT NO	
W91278-14-E		Maintenance Dredging of Mobile Harbor	Dutra Dredgi			KEFOKI NO	67
		NAME AND TYPE		gpy		DATE	<u> </u>
DREDGE		Columbia				08/15/2014	1
			LOADS				
LOAD NUMBER		DREDGING AREA DISPOSAL AREA	START TIME STOP TIME	PUMPING TURNING	DUN	DUMP MPING CUT	TOTAL TIME DREDGED AMOUNT AGITATED AMOUNT
			(HH:MM)	(MIN)		/IN)	(MIN/CYS)
1	Sta 410+00 to	470+00	00:00	1		21	26
	Cell 8 & 9		00:01	0		4	0
						0	0
2	Sta 410+00 to	470+00	00:26	27	1 :	200	423
	Cell 8 & 9		01:01	8		4	2,635
						184	0
3	Sta 410+00 to	470+00	07:41	27	-	212	438
	Cell 8 & 9		08:08	0		4	2,635
						195	0
4	Sta 410+00 to	470+00	14:59	27		209	419
	Cell 8 & 9		15:26	0		4	2,635
						179	0
5	Sta 410+00 to	470+00	21:58	1		0	122
	Cell 8 & 9		21:59	0		0	0
					1	121	0

PAGE NO.

# QC NARRATIVE(S)

# **GENERAL COMMENTS**

1428 Minutes @ 100%

12 Minutes @ 70% Traffic

CONTRACTOR CERTIFICATION	material used a	and work performed during t	is Report is complete and correct a this Reporting period are in complia knowledge, except as noted above.	ance with the contract
QC REPRESENTATIVE'S SIGNATURE		DATE	SUPERINTENDENT'S INITIALS	DATE

			QUA	ALITY	CONTR	OL REPO	ORT-HOPPER DREDO	GE .		PA	AGE NO.	F	Page 135 of 279
CONTRACT NO		CONTRACT TI					CONTRACTOR			RE	PORT NO.		
W91278-14-D CHARACTER O		Maintenance I		of Mob			Dutra Dredging Comp	pany		D/	ATE	—	68
REPORT	•	X MAINTEN	NANCE	L	NEW V	WORK					08/16/2014		
DRED	GE	HOPE	ER CAP:			4487 CY	AVG VOL OF BIN WAT	ER:	4487 CY	Y AVG UNFILLED CAP:			0 CY
Colu	mbia	NO. OF CF MEMBER			DREDG	iΕ	OTHER PLANT	WORK SCI	HEDULE	SHIFT	rs per day	DA	AYS PER WEEK
LOCATIO	ON OF	LOCATION CH	ΙΔΝΝΕΙ	REAC	16 H DREDG	SED; STA	2 TO STA	DISPOSAL A	REA USE	QTY D	2 EPOSITED	CUMI	7 JLATIVE AND QTY
WOF		Mobile Ship Cha			0+00 to 4		100111	Cell 8 & 9		GROSS(CY) 10.540			OSIT FOR DA(CY) 523,949
		AVG LENGTH		Old 11	0100101	6000 FT	AVG WIDTH OF CUT		400 FT	AVG DIST TO DUMP			36 NM
		DENSITY OF M	ATERIALS	<u> </u>					1470	GMS/L	 ITER		1470
CHARACT MATER		DENSITY OF W	ATER						1012	GMS/LITER@			90 °F
		MIN	0.00	TIME		00:00	MAX 0.00	0.00 TIME 00:00 G			LOCATION Do	oa Ri	ver
RIVER/ STAC		MIN		TIME	•	00:00	MAX 0.00		-			LLW	
		WEATHER	0.00	TIIVIL		00.00	TEMP	VISIBILITY		WIND	———		
WEATHER C	ONDITION	Weather Caus	sed No Del	ay			71 °F / 91 °F	10 MI	:	23 MP	Н		
		DRAFT						DISTRIBUT	ION OF TIM	E AND	MILES RUN		
	LIGHT		LOADED						AGITATI (MIN)		DREDGE & HAUL (MIN		MILES RUN (NAUT MI)
FORWARD		6				17	EFFECTIVE WORKING	TIME:					
AFT		9				17	PUMPING:			00:00	01	1:48	0.0
DRAG DEPTH	MAX 0		MIN	1 0			TURNING:			00:00	00	0:08	0.0
INDICATORS I	NOT CHECKED (	2N 00/05/00					TO DUMP:			00:00	11	1:37	0.0
INDICATORS LA	AST CHECKED (	ON 06/25/20 <sup>-</sup>	14				CONNECTING:			00:00	00	0:00	0.0
	ED OF DREDGE	DURING	F	T/MIN		0	DUMPING:			00:00	00	0:12	0.0
	ED OF DREDGE	DURING	F	T/MIN		0	DISCONNECTING:			00:00	00	0:00	0.0
AGITATING GALLONS OF F	UEL OIL CONSU	JMED		GAL			TO CUT:			00:00		0:15	0.0
GALLONS OF V	VATER CONSUN	/IED		GAL		636	TOTALS:			00:00	24	4:00	0.0
		NODY DEDEGO	450			030	NON-EFFECTIVE WOF						
		WORK PERFORI	MED				TAKING ON FUEL AND TO AND FROM WHAR			00:00		0:00	0.0
NO.OF LOADS	TOTAL CYS	ND HAULING	AL AREA			L CYS	ANCHORAGE:  LOSS DUE TO NATURA			00:00		0:00	0.0
4	10,540		8 & 9			0	ELEMENTS: LOSS DUE TO TRAFFI			00:00		0:00	0.0
							BRIDGES			00:00		0:00	0.0
							MINOR OPERATING R TRANSFERRING BETV			00:00		0:00	0.0
							WORKS			00:00		0:00	0.0
		ATTENDANT PL	ANT				LAY TIME:	0:		00:00		0:00	0.0
IT	ЕМ	NAME OF	R NUMBER	₹	H.P.	HOURS	FIRE AND BOAT DRILL MISCELLANEOUS			00:00		0:00	0.0
40' Cre	ewboat	Cape	Anne		400	12:00	TOTALS			00:00		0:00	0.0
							LOST TIME:			00.00		).00	0.0
							MAJOR REPAIRS AND			00:00	0(	0:00	0.0
							ALTERNATIONS CESSATION:			00:00		0:00	0.0
							COLLISIONS:			00:00		0:00	0.0
							TOTALS:			00:00		0:00	0.0
							TOTAL TIME/MILES:			00:00		4:00	0.0
						Į							

		QUALITY CONTROL	REPORT-HOPPER	DREDGE		PAGE NO.	Page 136 of 279
CONTRACT NO	).	CONTRACT TITLE	CONTRACT	OR		REPORT N	0.
W91278-14-D	-0041 0001	Maintenance Dredging of Mobile Harbor	Dutra Dredgi	ng Company			68
DREDGE		NAME AND TYPE Columbia				<b>DATE</b> 08/16/201	4
			LOADS			•	
LOAD NUMBER		DREDGING AREA DISPOSAL AREA	START TIME STOP TIME	PUMPING TURNING	DUN	DUMP MPING CUT	TOTAL TIME DREDGED AMOUNT AGITATED AMOUNT
			(HH:MM)	(MIN)		ЛIN)	(MIN/CYS)
1	Sta 410+00 to	470+00	00:00	28		212	301
	Cell 8 & 9		00:28	0		4	2,635
						57	0
2	Sta 410+00 to	470+00	05:01	26		201	423
	Cell 8 & 9		05:27	0		4	2,635
						192	0
3	Sta 410+00 to	470+00	12:04	30		203	435
	Cell 8 & 9		12:42	8		4	2,635
						190	0
4	Sta 410+00 to	470+00	19:19	24		81	281
	Cell 8 & 9		19:43	0		0	2,635
						176	0

**GENERAL COMMENTS** 

CONTRACTOR CERTIFICATION	material used a	and work performed during t	is Report is complete and correct a his Reporting period are in complia knowledge, except as noted above.	ance with the contract
QC REPRESENTATIVE'S SIGNATURE	DATE			

			QUA	LITY	CONTR	OL REPO	ORT-HO	PPER DREDG	SE .		P	PAGE NO.	ļ	Page 137 of 279
CONTRACT NO W91278-14-D		CONTRACT TI Maintenance I		of Moh	ile Harbo	,		TRACTOR  Dredging Comp	nany		R	REPORT NO.		69
CHARACTER O		MAINTEN			NEW V		Dutte	Dreaging Comp	oarry			DATE		09
REPORT					] 1,51,1		l					08/17/2014		
DRED		NO. OF CF	PER CAP:			4487 CY		OL OF BIN WAT		4487 CY		UNFILLED CAI		0 CY
Colu	mbia	MEMBER			DREDG	E	OTI	HER PLANT	WORK SCI	HEDULE	SHIF	FTS PER DAY		AYS PER WEEK
LOCATIO	ON OF	LOCATION CH	IANNEL	REAC	16 H DREDG	SED; STA	TO STA	2	DISPOSAL A	REA USE		DEPOSITED	СПМГ	7 JLATIVE AND QTY
WOF		Mobile Ship Cha	nnel	Sta 41	0+00 to 4	70+00			Cell 8 & 9		GROSS(CY) DEPOSIT FOR D. 7,905 53			OSIT FOR DA(CY) 531,854
		AVG LENGTH	OF CUT			6000 FT	AVG V	VIDTH OF CUT		400 FT	AVG	DIST TO DUMF	Þ	36 NM
CHARAC	TEP OF	DENSITY OF M	ATERIALS							1470	GMS/	LITER		1470
MATER		DENSITY OF W	ATER							1012	GMS/	/LITER@		90 °F
RIVER/	TIDE	MIN	0.00	TIME		00:00	MAX	0.00	TIME	00:00	GAGE	E LOCATION D	og Ri	ver
STAC	3E	MIN	0.00	TIME		00:00	MAX	0.00	TIME	00:00	0 GAGE DATUM MLLW			
WEATHER C	ONDITION	WEATHER					TEMP		VISIBILITY		WIND			
		Weather Caus	sed No Del	ay			75	5 °F / 90 °F	10 MI	ION OF TIM	15 M	PH D MILES RUN		
		DRAFI							DISTRIBUT	AGITAT		DREDGE	2	MILES RUN
	LIGHT		LOADED					TIV (5 ) 1/0 D ( // ) 10		(MIN		HAUL (MII		(NAUT MI)
FORWARD		6				17	<u> </u>	TIVE WORKING	TIME:		00:0		24.04	0.0
AFT		9				17	PUMPI						01:24	0.0
DRAG DEPTH	MAX 0		MIN	0			TURNII TO DUI				00:0	_	00:08 12:22	0.0
INDICATORS LA	AST CHECKED (	ON 06/25/20	14					ECTING:			00:0	_	00:00	0.0
							DUMPI				00:0		00:16	0.0
AVERAGE SPEI LOADING	ED OF DREDGE	DURING	F	Γ/ΜΙΝ		0		NNECTING:			00:0	_	00:00	0.0
AVERAGE SPER AGITATING	ED OF DREDGE	DURING	F	Γ/MIN		0	TO CU				00:0		09:50	0.0
GALLONS OF F	UEL OIL CONSU	JMED		GAL		3,072	TOTAL				00:0	+	24:00	0.0
GALLONS OF V	VATER CONSUN	ИED		GAL		748		FFECTIVE WOR	KING TIME:					
	,	WORK PERFORI	MED				TAKING	ON FUEL AND	SUPPLIES		00:0	0 (	00:00	0.0
	DREDGING A	AND HAULING			AGITA	ATING		D FROM WHARF DRAGE:	OR		00:0	0 (	00:00	0.0
NO.OF LOADS 5	TOTAL CYS 7,905		AL AREA 8 & 9			L CYS		DUE TO NATURA	AL		00:0	0 (	00:00	0.0
	1,000	Com	<u> </u>		<u> </u>	<u> </u>		DUE TO TRAFFIC	C AND		00:0	0 (	00:00	0.0
								OPERATING RI	EPAIRS		00:0	0 (	00:00	0.0
							TRANS	FERRING BETW	VEEN		00:0	0 (	00:00	0.0
		I ATTENDANT PL	ANT				LAY TII	ME:			00:0	0 (	00:00	0.0
IT	EM	1	R NUMBER		H.P.	HOURS	FIRE A	ND BOAT DRILL	.S:		00:0	0 (	00:00	0.0
40' Cre			Anne	•	400	12:00	MISCE	LLANEOUS			00:0	0 (	00:00	0.0
40 016		Саре	Aille		400	12.00	TOTAL	S			00:0	0 (	00:00	0.0
							LOST T							
								R REPAIRS AND NATIONS			00:0	0 (	00:00	0.0
							CESSA	TION:			00:0	0 (	00:00	0.0
							COLLIS	SIONS:			00:0	0 (	00:00	0.0
							TOTAL	S:			00:0	0 (	00:00	0.0
							TOTAL	TIME/MILES:			00:0	0 2	24:00	0.0

		QUALITY CONTROL	REPORT-HOPPER	DREDGE		PAGE NO.	Down 429 of 270
00117040741		LOCALED A OT TITLE	OONTD A OT			DEDORT	Page 138 of 279
CONTRACT NO		CONTRACT TITLE	CONTRACTO			REPORT N	
W91278-14-E	D-0041 0001	Maintenance Dredging of Mobile Harbor	Dutra Dredgii	ng Company			69
DREDGE		NAME AND TYPE Columbia				<b>DATE</b> 08/17/201	14
		Columbia	LOADS			<u> </u>	
LOAD NUMBER		DREDGING AREA DISPOSAL AREA	START TIME STOP TIME (HH:MM)	PUMPING TURNING (MIN)	DUM TO	DUMP MPING CUT MIN)	TOTAL TIME DREDGED AMOUNT AGITATED AMOUNT (MIN/CYS)
	Sta 410+00 to	470+00	00:00	(IVIIIN)		133	138
1		3 110100	00:01	0		4	0
	Cell 8 & 9		00.01	Ŭ		0	0
2	Sta 410+00 to	0 470+00	02:18	23		201	409
	Cell 8 & 9		02:41	0		4 181	2,635 0
3	Sta 410+00 to	0 470+00	09:07	29		200	429
3	Cell 8 & 9		09:36	0		4	2,635
	Cell o & 3					196	0
4	Sta 410+00 to	0 470+00	16:16	30		208	438
	Cell 8 & 9		16:54	8		4	2,635
						188	0
5	Sta 410+00 to	0 470+00	23:34	1		0	26
-	Cell 8 & 9		23:35	0		0	0
						25	0

**GENERAL COMMENTS** 

CONTRACTOR CERTIFICATION	material used a	and work performed during t	is Report is complete and correct a his Reporting period are in complia knowledge, except as noted above.	ance with the contract
QC REPRESENTATIVE'S SIGNATURE		DATE	SUPERINTENDENT'S INITIALS	DATE

		-	QUA	ALITY	CONTR	OL REPO	ORT-HOPPER DREDO	SE .		Р	AGE NO.	F	Page 139 of 279
CONTRACT NO W91278-14-D		CONTRACT TI Maintenance I		of Moh	ile Harbo	ır	CONTRACTOR  Dutra Dredging Comp	nany		R	EPORT NO.		70
CHARACTER O		X MAINTEN				WORK	Dutta Dreaging Comp	, diriy		D	<b>ATE</b> 08/18/2014		
DRED	OGE	НОРБ	PER CAP:			4487 CY	AVG VOL OF BIN WAT	ER:	4487 CY	AVG	UNFILLED CAI	P:	0 CY
Colu	mbia	NO. OF CF MEMBER			DREDG	SE	OTHER PLANT	WORK SCI	HEDULE	DULE SHIFTS PER DAY D			AYS PER WEEK
LOCATIO	ON OF	LOCATION CH	IANNEI	REAC	H DREDO	GED; STA	2 TO STA	DISPOSAL A	REA USE	QTY [	2 DEPOSITED	CUML	7 JLATIVE AND QTY
WOF		Mobile Ship Cha			0+00 to 4		100171	Cell 8 & 9		GROS	SS(CY) 7,905	DEP	OSIT FOR DA(CY) 539,759
		AVG LENGTH	OF CUT			6000 FT	AVG WIDTH OF CUT		400 FT	AVG DIST TO DUMP			36 NM
CHARAC <sup>-</sup>	TER OF	R OF DENSITY OF MATERIALS				1470	GMS/I	LITER		1470			
MATER	DENSITY OF WATER 101.			1012	GMS/I	LITER@		90 °F					
RIVER/		MIN	0.00	TIME		00:00	MAX 0.00	TIME	00:00	GAGE	LOCATION D	og Ri	ver
STAC	JE.	MIN	0.00	TIME		00:00	MAX 0.00	TIME	00:00	GAGE	DATUM N	ILLW	
WEATHER C	ONDITION	WEATHER					TEMP	VISIBILITY		WIND			
		Weather Caus	sed No Del	lay			75 °F / 91 °F	10 MI		9 MP			
	Γ	DRAFT						DISTRIBUT	ON OF TIN		D MILES RUN  DREDGE	0	MILES RUN
	LIGHT		LOADED						(MIN		HAUL (MII		(NAUT MI)
FORWARD		6				17	EFFECTIVE WORKING	TIME:			<b>T</b>	-	
AFT		9				17	PUMPING:			00:00	0 (	)1:48	0.0
DRAG DEPTH	MAX 0		MIN	I 0			TURNING:			00:00	0 (	80:00	0.0
INDICATORS LA	AST CHECKED (	ON 06/25/20	14				TO DUMP:			00:00	0 1	0:06	0.0
		00/20/20					CONNECTING:			00:00	0 (	00:00	0.0
AVERAGE SPEI LOADING	ED OF DREDGE	DURING	F	T/MIN		0	DUMPING:			00:00	0 0	0:12	0.0
AVERAGE SPE	ED OF DREDGE	DURING	F	T/MIN		0	DISCONNECTING:			00:00	0 (	00:00	0.0
AGITATING GALLONS OF F	UEL OIL CONSU	JMED		GAL		2,904	TO CUT:			00:00	0 1	1:46	0.0
GALLONS OF V	VATER CONSUM	ИED		GAL		860	TOTALS:			00:00	0 2	24:00	0.0
	,	WORK PERFORI	MED				NON-EFFECTIVE WOR				. 1	1	
			WILD		4017	4.T.N.O.	TAKING ON FUEL AND TO AND FROM WHAR			00:00		00:00	0.0
NO.OF LOADS		AND HAULING	AL AREA			ATING AL CYS	ANCHORAGE: LOSS DUE TO NATURA			00:00		00:00	0.0
4	7,905		8 & 9			0	ELEMENTS: LOSS DUE TO TRAFFI			00:00	+	00:00	0.0
							BRIDGES			00:00		00:00	0.0
							MINOR OPERATING R TRANSFERRING BETV			00:00	+	00:00	0.0
							WORKS	VEEIN		00:00	0	00:00	0.0
		ATTENDANT PL	ANT				LAY TIME:			00:00	0	00:00	0.0
IT	EM	NAME OF	R NUMBER	₹	H.P.	HOURS	FIRE AND BOAT DRILL	_S:		00:00		00:00	0.0
40' Cre	ewboat	Cape	Anne		400	12:00	MISCELLANEOUS			00:00	0 0	00:00	0.0
							TOTALS			00:00	0 0	00:00	0.0
							LOST TIME: MAJOR REPAIRS AND				1	1	
							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	0 2	24:00	0.0

		QUALITY CONTROL	REPORT-HOPPER	DREDGE		PAGE NO.	Page 140 of 279	
CONTRACT NO W91278-14-D		CONTRACT TITLE  Maintenance Dredging of Mobile Harbor	CONTRACTO Dutra Dredgi			REPORT NO.		
DREDGE		NAME AND TYPE Columbia				<b>DATE</b> 08/18/20 <sup>2</sup>	14	
			LOADS					
LOAD NUMBER		DREDGING AREA DISPOSAL AREA	START TIME STOP TIME	PUMPING TURNING	DUI	DUMP MPING CUT	TOTAL TIME DREDGED AMOUNT AGITATED AMOUNT	
			(HH:MM)	(MIN)		ΛIN)	(MIN/CYS)	
1	Sta 410+00 to	470+00	00:00	30		213	394	
	Cell 8 & 9		00:30	0		4 147	2,635 0	
2	Sta 410+00 to	470+00	06:34	26		189	417	
2	Cell 8 & 9		07:08	8		4 190	2,635 0	
3	Sta 410+00 to	470+00	13:31	29		204	432	
J	Cell 8 & 9		14:00	0		4 195	2,635 0	
4	Sta 410+00 to	470+00	20:43	23		0	197	
7	Cell 8 & 9		21:06	0		0 174	0 0	

**GENERAL COMMENTS** 

CONTRACTOR CERTIFICATION	material used a	and work performed during t	is Report is complete and correct a his Reporting period are in complia knowledge, except as noted above.	ance with the contract
QC REPRESENTATIVE'S SIGNATURE		DATE	SUPERINTENDENT'S INITIALS	DATE

			QUA	LITY	CONTR	OL REPO	ORT-HOPPER DREDO	GE		PA	AGE NO.	P	age 141 of 279		
CONTRACT NO		CONTRACT TI		.f Mak	ila llawha	_	CONTRACTOR  Dutte Dradeing Come			RE	PORT NO.				
W91278-14-D		Maintenance I		dow re			Dutra Dredging Comp	bany		- D/	ATE		71		
REPORT	' <b>.</b>	X  MAINTEN	NANCE		NEW \	WORK					08/19/2014				
DREDGE		HOPF	PER CAP:			4487 CY	AVG VOL OF BIN WAT	ΓER:	4487 CY	AVG I	UNFILLED CAF	P:	0 CY		
Colu	mbia	NO. OF CF MEMBEF			DREDG	Ε	OTHER PLANT	WORK SCI	HEDULE	SHIF	TS PER DAY	DA	YS PER WEEK		
					16		2	DISPOSAL A	DEA LISE	OTVD	2 EDOSITED	CLIMI	7		
LOCATION WOL		LOCATION CH				GED; STA	TOSTA		KEKOOL	GROS	S(CY)		OSIT FOR DA(CY)		
		Mobile Ship Cha		Sta 41	0+00 to 4	70+00 6000 FT	AVG WIDTH OF CUT	Cell 8 & 9	400 FT	۸۷/۵ [		,	, , , , , , , , , , , , , , , , , , ,		
						000011	AVG WIDTH OF COT								
CHARAC MATE		DENSITY OF M	ATERIALS						1470	GMS/L	GMS/LITER 14				
,		DENSITY OF W	ATER					1012	GMS/L	ITER@	Page 141 of 279  PORT NO.  71				
		MIN	0.00	TIME		00:00	MAX 0.00	TIME	00:00	GAGE	LOCATION D	og Riv	'er		
STAGE  WEATHER CONDITION		MIN 0.00 TIME				00:00	MAX 0.00	TIME	00:00	GAGE	DATUM M	ILLW			
		WEATHER					TEMP	VISIBILITY		WIND					
		Weather Caus	sed No Dela	ay			77 °F / 93 °F	10 MI		21 MP					
		DRAFT						DISTRIBUT					MU 50 DUN		
	LIGHT		LOADED						AGITAT (MIN						
FORWARD		6	6 EFFECTIVE WORKING TIME:					ı							
AFT		9				17					0	1:34	0.0		
DRAG DEPTH	MAX 0		MIN	0			TURNING:			00:00	0	0:16	0.0		
INDICATORS L	AST CHECKED (	ON 06/25/20 <sup>-</sup>	1.4				TO DUMP:			00:00	1	1:38	0.0		
INDIO/(I ORO E/	TOT OFFICINED V	00/23/20	14				CONNECTING:			00:00	0	0:00	0.0		
	AVERAGE SPEED OF DREDGE DURING		F7	T/MIN		0	DUMPING:			00:00	0	0:12	0.0		
AVERAGE SPE	LOADING AVERAGE SPEED OF DREDGE DURING		F	T/MIN		0	DISCONNECTING:		00:00	0	0:00	0.0			
AGITATING GALLONS OF F	UEL OIL CONSU	JMED		GAL		2 843	TO CUT:			00:00			0.0		
GALLONS OF V	VATER CONSUM	ИED		GAL		1,309	TOTALS:		00:00	2	2:51	0.0			
						1,309	NON-EFFECTIVE WOF	RKING TIME:	Ī						
		WORK PERFORM	MED				TAKING ON FUEL AND TO AND FROM WHARI			00:00	0	0:00	0.0		
NO.OF LOADS		AND HAULING	AL AREA			L CYS	ANCHORAGE:  LOSS DUE TO NATUR.			00:00	0	0:00	0.0		
4	10,540		8 & 9			0	ELEMENTS:  LOSS DUE TO TRAFFI			00:00	0	0:00	0.0		
							BRIDGES	CAND		00:00	0	0:00	0.0		
							MINOR OPERATING R			00:00			0.0		
							TRANSFERRING BETV WORKS	WEEN		00:00	0	0:00	0.0		
		ATTENDANT PL	ANT				LAY TIME:			00:00	0	0:00	0.0		
IT	EM	NAME OF	NUMBER	ł	H.P.	HOURS	FIRE AND BOAT DRILI	LS:		00:00	0	0:00	0.0		
40' Crewboat		Cape	Anne		400	12:00	MISCELLANEOUS			00:00	0	0:20	0.0		
							TOTALS			00:00	0	1:09	0.0		
							LOST TIME:					-			
							MAJOR REPAIRS AND ALTERNATIONS			00:00	0	0:00	0.0		
							CESSATION:			00:00	0	0:00	0.0		
							COLLISIONS:			00:00	0	0:00	0.0		
							TOTALS:			00:00	0	0:00	0.0		
							TOTAL TIME/MILES:			00:00	2	4:00	0.0		

		QUALITY CONTROL	L REPORT-HOPPER	DREDGE		PAGE NO.	Page 142 of 279			
CONTRACT NO	).	CONTRACT TITLE	CONTRACT	OR		REPORT NO				
W91278-14-D	-0041 0001	Maintenance Dredging of Mobile Harbor	Dutra Dredgi	ng Company						
DREDGE		NAME AND TYPE Columbia					<b>DATE</b> 08/19/2014			
			LOADS			•				
LOAD NUMBER		DREDGING AREA DISPOSAL AREA	START TIME STOP TIME	PUMPING TURNING	DUI	DUMP MPING CUT	TOTAL TIME DREDGED AMOUNT AGITATED AMOUNT			
			(HH:MM)	(MIN)		MIN)	(MIN/CYS)			
1	Sta 410+00 to	470+00	00:00	5		219	228			
	Cell 8 & 9		00:05	0		4	2,635			
						0	0			
2	Sta 410+00 to	470+00	03:48	35		192	420			
	Cell 8 & 9		04:31	8		4	2,635			
	00.100.0					181	0			
3	Sta 410+00 to	470+00	10:48	28		198	420			
-	Cell 8 & 9		11:16	0		4	2,635			
	0011000					190	0			
4	Sta 410+00 to	470+00	18:08	26		89	303			
	Cell 8 & 9		18:42	8		0	2,635			
	25 5 4 5					180	0			

# **GENERAL COMMENTS**

1371 Minutes @ 100% 20 Minutes @ 70% Traffic 49 Minutes @ 0% Minor Repairs

CONTRACTOR CERTIFICATION	material used a	and work performed during t	is Report is complete and correct a his Reporting period are in complia knowledge, except as noted above.	nnce with the contract
QC REPRESENTATIVE'S SIGNATURE		DATE	SUPERINTENDENT'S INITIALS	DATE

			QUA	LITY	CONTR	OL REPO	ORT-HOPPER DREDO	ЭE		PA	AGE NO.	P	age 143 of 279		
CONTRACT NO. CONTRACT TITLE W91278-14-D-0041 0001 Maintenance Dredging of Mobil						CONTRACTOR			RE	EPORT NO.					
CHARACTER C		<del>                                     </del>		doM to			Dutra Dredging Comp	oany			ATE		72		
REPORT	, r	X MAINTEN	NANCE		NEW \	WORK					08/20/2014				
DREDGE H		HOPF	ER CAP:			4487 CY	AVG VOL OF BIN WAT	ΓER:	4487 CY	AVG I	UNFILLED CAP	<b>)</b> :	0 CY		
Colu	mbia	NO. OF CF MEMBEF			DREDG	iΕ	OTHER PLANT	WORK SCI	HEDULE	SHIF	TS PER DAY	DA	YS PER WEEK		
					16		2	DISPOSAL A	DEATISE	OTV D	2	CLIMAL	7    ATIVE AND OTX		
LOCATION WOR		LOCATION CH				GED; STA	TO STA		NEA OOL		S(CY)		OSIT FOR DA(CY)		
		Mobile Ship Cha		Sta 41	0+00 to 4	70+00 6000 FT	AVG WIDTH OF CUT	Cell 8 & 9	400 FT	A)/C [	, ,		, , , , , , , , , , , , , , , , , , ,		
						000011	AVG WIDTH OF COT								
CHARAC MATE		DENSITY OF M	ATERIALS						1470	GMS/L	MS/LITER 14				
		DENSITY OF W	ATER					_	1012	GMS/L	DEPOSITED SICY) 7,905  DIST TO DUMP  36 NM  LITER  1470  LITER  90 °F  LOCATION Dog River  DATUM MLLW  DATUM MLLS RUN (NAUT MI)  DATUM MLLS RU				
RIVER		MIN	0.00	TIME		00:00	MAX 0.00	TIME	00:00	GAGE	LOCATION D	og Riv	er		
STAGE WEATHER CONDITION		MIN 0.00 TIME				00:00	MAX 0.00	TIME	00:00	GAGE	DATUM M	LLW			
WEATHER C	ONDITION	WEATHER					TEMP	VISIBILITY		WIND					
		Weather Caus	sed No Del	ay			75 °F / 91 °F	10 MI		17 MP					
		DRAFT						DISTRIBUT							
	LIGHT		LOADED						AGITAT (MIN						
FORWARD		6 17 EFFECTIVE WORKING TIME:													
AFT		9			17 PUMPING:					00:00	0	1:25	0.0		
DRAG DEPTH	MAX 0		MIN	0			TURNING:			00:00	00	0:00	0.0		
INDICATORS I	AST CHECKED (	ON 06/25/20 <sup>-</sup>	1.4				TO DUMP:			00:00	1:	2:19	0.0		
INDICATORS	AOT CHECKED	00/23/20	14				CONNECTING:			00:00	00	0:00	0.0		
	AVERAGE SPEED OF DREDGE DURING		F	Γ/ΜΙΝ		0	DUMPING:				00	0:16	0.0		
AVERAGE SPE	LOADING AVERAGE SPEED OF DREDGE DURING		F	Γ/ΜΙΝ		0	DISCONNECTING:			00:00	00	0:00	0.0		
AGITATING GALLONS OF F	UEL OIL CONSU	JMED		GAL		2 674	TO CUT:			00:00					
GALLONS OF V	VATER CONSUM	ИED		GAL		553	TOTALS:		00:00	24	4:00	0.0			
		WORK BEDEON	AED				NON-EFFECTIVE WOF		Π		<u> </u>				
		WORK PERFORM	MED				TAKING ON FUEL AND TO AND FROM WHARI			00:00		0:00	0.0		
NO.OF LOADS		AND HAULING	AL AREA			L CYS	ANCHORAGE:  LOSS DUE TO NATUR.			00:00		0:00	0.0		
5	7,905		8 & 9			0	ELEMENTS:  LOSS DUE TO TRAFFI			00:00	00	0:00	0.0		
							BRIDGES			00:00	00	0:00	0.0		
							MINOR OPERATING R			00:00		0:00	0.0		
							TRANSFERRING BETV WORKS	VEEIN		00:00	00	0:00	0.0		
		ATTENDANT PL	ANT				LAY TIME:			00:00		0:00	0.0		
ITEM NAME		NAME OF	R NUMBER	ł	H.P.	HOURS	FIRE AND BOAT DRILI	LS:		00:00		0:00	0.0		
40' Crewboat		Cape	Anne		400	12:00	MISCELLANEOUS			00:00		0:00	0.0		
							TOTALS			00:00	00	0:00	0.0		
							LOST TIME: MAJOR REPAIRS AND		I						
							ALTERNATIONS			00:00		0:00	0.0		
							CESSATION:			00:00		0:00	0.0		
							COLLISIONS:			00:00		0:00	0.0		
							TOTALS:			00:00		0:00	0.0		
							TOTAL TIME/MILES:			00:00	24	4:00	0.0		

		QUALITY CONTROL	REPORT-HOPPER	DREDGE		PAGE NO.	Page 144 of 279	
CONTRACT NO	).	CONTRACT TITLE	CONTRACTO	OR		REPORT N		
W91278-14-E	0-0041 0001	Maintenance Dredging of Mobile Harbor	Dutra Dredgi	ng Company		;		
DREDGE NAME AND TYPE Columbia		NAME AND TYPE Columbia				<b>DATE</b> 08/20/201	4	
			LOADS					
LOAD NUMBER		DREDGING AREA DISPOSAL AREA	START TIME STOP TIME (HH:MM)	PUMPING TURNING (MIN)	DUM TO	OUMP IPING CUT IIN)	TOTAL TIME DREDGED AMOUNT AGITATED AMOUNT (MIN/CYS)	
1	Sta 410+00 to	0 470+00	00:00	1	,	119	124	
·	Cell 8 & 9		00:01	0		4	0	
						0	0	
2	Sta 410+00 to	0 470+00	02:04	24	2	211	413	
	Cell 8 & 9		02:28	0		4	2,635	
					·	174	0	
3	Sta 410+00 to	0 470+00	08:57	30	,	197	425	
	Cell 8 & 9		09:27	0		4	2,635	
					1	194	0	
4	Sta 410+00 to	0 470+00	16:02	29	2	212	434	
	Cell 8 & 9		16:31	0		4	2,635	
					·	189	0	
5	Sta 410+00 to	0 470+00	23:16	1		0	44	
-	Cell 8 & 9		23:17	0		0	0	
						43	0	

**GENERAL COMMENTS** 

CONTRACTOR CERTIFICATION	material used a	and work performed during	is Report is complete and correct a this Reporting period are in compli- knowledge, except as noted above	ance with the contract
QC REPRESENTATIVE'S SIGNATURE		DATE	SUPERINTENDENT'S INITIALS	DATE

QUALITY CONTROL REPORT-HOPPER DREDGE								P	PAGE NO.	ı	Page 145 of 279			
CONTRACT NO W91278-14-D		CONTRACT TI Maintenance I		of Mah	ilo Harba	-		TRACTOR	uany.		R	REPORT NO.		70
CHARACTER C				down to			Dulla	Dredging Comp	pariy			DATE		73
REPORT		X  MAINTEN	NANCE		NEW V	WORK	ı					08/21/2014		
DRED	OGE		PER CAP:			4487 CY	AVG V	OL OF BIN WAT	ER:	4487 CY	AVG	UNFILLED CA	<b>&gt;</b> :	0 CY
Colu	mbia	NO. OF CF MEMBER			DREDG	iΕ	ОТН	HER PLANT	WORK SCI	HEDULE	SHIFTS PER DAY DAYS PER W			AYS PER WEEK
LOCATIO		LOCATION CH	IANNEI	REAC	16 H DREDG	SED; STA	TO STA	2	DISPOSAL A	REA USE	2 QTY DEPOSITED CUM			7 JLATIVE AND QTY
LOCATION WOR		Mobile Ship Cha			0+00 to 4		10314		Cell 8 & 9			SS(CY) 10.540	DEP	OSIT FOR DA(CY) 568,744
		AVG LENGTH		31a 41	0+00 10 4	6000 FT	AVG W	VIDTH OF CUT	0011043	400 FT	AVG	DIST TO DUMF		36 NM
		DENSITY OF M	ATERIAI S					1470 G			GMS/	LITER		1470
CHARAC <sup>*</sup> MATEI														
		DENSITY OF W	ATER					1012 G			GMS/	LITER@		90 °F
RIVER/ STA		MIN	0.00	TIME		00:00	MAX	AX 0.00 TIME 00:00 G			GAGE	E LOCATION D	og Ri	ver
SIA	JE	MIN	0.00	TIME		00:00	MAX				GAGE	E DATUM M	<b>ILLW</b>	
WEATHER C	ONDITION	WEATHER	and No Dol	01/			TEMP	5 °F / 93 °F	VISIBILITY 10 MI		WIND			
	Weather Caused No Delay   75 °F / 93 °F   10 Ml   10						8 MPH MF AND MILES RUN							
										AGITA	ΓING	DREDGE	&	MILES RUN
500,4400	LIGHT		LOADED				EEEEC.	TIVE WORKING	TIME	(MIN)	۷)	HAUL (MII	۷)	(NAUT MI)
FORWARD		6				17	PUMPII	FECTIVE WORKING TIME:			00:00 01:			0.0
AFT		9				17	TURNIN						00:05	0.0
DRAG DEPTH	MAX 0		MIN	0			TO DUI				00:0		10:16	0.0
INDICATORS LA	AST CHECKED (	ON 06/25/20	14					DNNECTING:		00:0		00:00	0.0	
							DUMPI				00:0		00:12	0.0
AVERAGE SPE LOADING	ED OF DREDGE	DURING		Γ/ΜΙΝ		0		NNECTING:			00:0		00:00	0.0
AVERAGE SPE AGITATING	ED OF DREDGE	DURING	F	Γ/ΜΙΝ		0	TO CUT				00:0	_	11:34	0.0
GALLONS OF F	UEL OIL CONSU	JMED		GAL		3,143	TOTAL				00:0		24:00	0.0
GALLONS OF V	VATER CONSUN	MED		GAL		551		FFECTIVE WOR	KING TIME:					
	,	WORK PERFORI	MED				<b>-</b>	ON FUEL AND			00:0	0 (	00:00	0.0
	DREDGING A	ND HAULING			AGIT	ATING		D FROM WHARF	OR		00:0	0 (	00:00	0.0
NO.OF LOADS 4	TOTAL CYS		AL AREA			L CYS		DRAGE: DUE TO NATURA	AL		00:0	0 (	00:00	0.0
<u> </u>	10,540	Cell	8 & 9			0	LOSS D	DUE TO TRAFFIC	C AND		00:0	0 (	00:00	0.0
							BRIDGI MINOR	OPERATING RI	EPAIRS		00:0	0 (	00:00	0.0
							TRANS	FERRING BETW	VEEN		00:0	0 (	00:00	0.0
		 ATTENDANT PL	ANT				LAY TIN				00:0	0 (	00:00	0.0
		1			H.P.	HOURS	FIRE AI	ND BOAT DRILL	.S:		00:0	0 (	00:00	0.0
			R NUMBER	`			MISCEI	LLANEOUS			00:0	0 (	00:00	0.0
40° Cre	ewboat	Cape	Anne		400	12:00	TOTAL	S			00:0	0 0	00:00	0.0
							LOST T	IME:						
								R REPAIRS AND NATIONS			00:0	0 0	00:00	0.0
							CESSA				00:0	0 0	00:00	0.0
							COLLIS	SIONS:			00:0	0 (	00:00	0.0
							TOTAL	S:			00:0	0 0	00:00	0.0
							TOTAL	TIME/MILES:			00:0	0 2	24:00	0.0

		QUALITY CONTRO	L REPORT-HOPPER	DREDGE		PAGE NO.	Page 146 of 279
CONTRACT NO	).	CONTRACT TITLE	REPORT NO.				
W91278-14-D	-0041 0001	Maintenance Dredging of Mobile Harbor	Dutra Dredgi	ng Company			73
DREDGE		NAME AND TYPE Columbia				<b>DATE</b> 08/21/2014	
		-	LOADS				
LOAD NUMBER		DREDGING AREA DISPOSAL AREA	START TIME STOP TIME	PUMPING TURNING	DUI	DUMP MPING CUT	TOTAL TIME DREDGED AMOUNT AGITATED AMOUNT
			(HH:MM)	(MIN)		ΛIN)	(MIN/CYS)
1	Sta 410+00 to	470+00	00:00	29		213	378
	Cell 8 & 9		00:29	0		4	2,635
						132	0
2	Sta 410+00 to	470+00	06:18	24		200	412
	Cell 8 & 9		06:42	0		4	2,635
						184	0
3	Sta 410+00 to	470+00	13:10	32		192	430
	Cell 8 & 9		13:47	5		4	2,635
						197	0
4	Sta 410+00 to	470+00	20:20	28		11	220
	Cell 8 & 9		20:48	0		0	2,635
						181	0

**GENERAL COMMENTS** 

CONTRACTOR CERTIFICATION	material used a	and work performed during t	is Report is complete and correct a his Reporting period are in complia knowledge, except as noted above.	nnce with the contract
QC REPRESENTATIVE'S SIGNATURE		DATE	SUPERINTENDENT'S INITIALS	DATE

QUALITY CONTROL REPORT-HOPPER DREDGE								F	PAGE NO.	ı	Page 147 of 279			
CONTRACT NO W91278-14-D		CONTRACT TI		of Mah	ilo Harba	-		TRACTOR	uany.		F	REPORT NO.		7.1
CHARACTER O		Maintenance I		dow to			Dutra	Dredging Comp	any			DATE		74
REPORT		X  MAINTEN	NANCE		NEW V	VORK	ı			1		08/22/2014		
DRED	OGE		PER CAP:			4487 CY	AVG V	OL OF BIN WAT	ER:	4487 CY	AVG	UNFILLED CA	P:	0 CY
Colu	mbia	NO. OF CF MEMBER			DREDG	E	ОТН	HER PLANT	WORK SCI	HEDULE	SHI	FTS PER DAY	DA	AYS PER WEEK
LOCATIO	ON OF	LOCATION CH	IANNFI	REAC	16 H DREDG	SED; STA	TO STA	2	DISPOSAL A	REA USE	2 QTY DEPOSITED CUM			7 JLATIVE AND QTY
WOF		Mobile Ship Cha				70+00 & 6		n	Cell 8 & 9		GRO	SS(CY) 7,905		OSIT FOR DA(CY) 576,649
		AVG LENGTH		Old 41	0100104	6000 FT		VIDTH OF CUT	100000	400 FT	AVG	DIST TO DUMI	•	36 NM
		DENSITY OF M	ATERIALS	;							GMS	/LITER	=	1470
CHARACT MATER		DENSITY OF W	ATER							1012	GMS	/LITER@	-	90 °F
		MIN	0.00	TIME		00:00	MAX				GAG	E LOCATION D	oa Ri	ver
RIVER/ STAC		MIN	0.00	TIME	•	00:00	MAX						 /LLW	
		WEATHER	0.00	TIIVIL		00.00	TEMP	0.00	VISIBILITY		WINE		-	
WEATHER C	ONDITION	Weather Caus	sed No Del	ay			78	3 °F / 95 °F	10 MI		9 MF	PΗ		
	DRAFT DISTRIBUTION OF TIME					TIME AND MILES RUN								
	LIGHT		LOADED							AGITAT (MIN		DREDGE HAUL (MI		MILES RUN (NAUT MI)
FORWARD		6				17	EFFEC	TIVE WORKING	TIME:					
AFT		9				17	PUMPII	NG:				00:00		0.0
DRAG DEPTH	MAX 0		MIN	1 0			TURNII	NG:			00:0	00	80:00	0.0
INDICATORS I	AST CHECKED (	2N 00/05/00					TO DUI	MP:		00		00	12:47	0.0
INDICATORS LA	AST CHECKED (	ON 06/25/20 <sup>-</sup>	14				CONNE	ECTING:			00:0	00 (	00:00	0.0
	ED OF DREDGE	DURING	F	T/MIN		0	DUMPI	NG:			00:0	00 (	00:28	0.0
	ED OF DREDGE	DURING	F	T/MIN		0	DISCO	NNECTING:			00:0	00 (	00:00	0.0
AGITATING GALLONS OF F	UEL OIL CONSU	JMED		GAL			TO CU				00:0	00 (	09:10	0.0
GALLONS OF V	VATER CONSUN	MED		GAL			TOTAL	S:			00:0	00 2	24:00	0.0
						748	NON-E	FFECTIVE WOR	KING TIME:			<u> </u>		
		WORK PERFORI	MED					ON FUEL AND			00:0		00:00	0.0
NO.OF LOADS	TOTAL CYS	ND HAULING	AL AREA			L CYS	ANCHO	DRAGE: DUE TO NATURA			00:0		00:00	0.0
5	7,905		8 & 9			0	ELEME				00:0	_	00:00	0.0
							BRIDGI	ES			00:0		00:00	0.0
								OPERATING REFERRING BETW			00:0		00:00	0.0
							WORKS	S			00:0		00:00	0.0
		ATTENDANT PL	ANT			1		ND BOAT DRILL	Q.		00:0		00:00	0.0
IT	EM	NAME OF	NUMBER	₹	H.P.	HOURS		LLANEOUS			00:0		00:00	0.0
40' Cre	ewboat	Cape	Anne		400	12:00	TOTAL				00:0		00:00	0.0
							LOST T						30.00	0.0
							MAJOR	R REPAIRS AND			00:0	00 (	00:00	0.0
							ALTERI CESSA	NATIONS .TION:			00:0		00:00	0.0
							COLLIS				00:0		00:00	0.0
							TOTAL	S:			00:0	00 (	00:00	0.0
							TOTAL	TIME/MILES:			00:0	00 2	24:00	0.0
		<u> </u>								<u> </u>				

		QUALITY CONTROL	REPORT-HOPPER	DREDGE		PAGE NO.	Page 148 of 279
CONTRACT NO	).	CONTRACT TITLE	CONTRACT	OR		REPORT N	0.
W91278-14-D	-0041 0001	Maintenance Dredging of Mobile Harbor	Dutra Dredgi	ng Company			74
DREDGE		NAME AND TYPE Columbia				<b>DATE</b> 08/22/201	4
			LOADS				
LOAD NUMBER		DREDGING AREA DISPOSAL AREA	START TIME STOP TIME (HH:MM)	PUMPING TURNING (MIN)	DUM TO	DUMP MPING CUT MIN)	TOTAL TIME DREDGED AMOUNT AGITATED AMOUNT (MIN/CYS)
1	Sta 410+00 to	470+00	00:00	1		202	207
	Cell 8 & 9		00:01	0		4	0
						0	0
2	Sta 410+00 to	470+00	03:27	24		203	432
	Cell 8 & 9		03:59	8		16	2,635
						181	0
3	Sta 660+00 to	720+00	10:39	28		172	371
	Cell 8 & 9		11:07	0		4	2,635
						167	0
4	Sta 660+00 to	720+00	16:50	33		190	391
•	Cell 8 & 9		17:23	0		4	2,635
						164	0
5	Sta 660+00 to	720+00	23:21	1		0	39
Ü	Cell 8 & 9		23:22	0		0	0
						38	0

**GENERAL COMMENTS** 

CONTRACTOR CERTIFICATION	material used a	and work performed during t	is Report is complete and correct a this Reporting period are in complia knowledge, except as noted above.	ance with the contract		
QC REPRESENTATIVE'S SIGNATURE		DATE	SUPERINTENDENT'S INITIALS DATE			

QUALITY CONTROL REPORT-HOPPER DREDGE								PA	AGE NO.	P	age 149 of 279		
CONTRACT NO		CONTRACT TI					CONTRACTOR			RE	EPORT NO.		<u> </u>
W91278-14-D		Maintenance I	Oredging o	f Mobi	ile Harbo	r	Dutra Dredging Comp	any					75
CHARACTER C REPORT	)F	X MAINTEN	NANCE		NEW V	VORK					ATE 08/23/2014		
DRED	OGE	HOPF	ER CAP:			4487 CY	AVG VOL OF BIN WAT	ER:	4487 CY	AVG I	UNFILLED CAP	:	0 CY
Colu	mbia	NO. OF CF MEMBEF			DREDG	E	OTHER PLANT	WORK SC	HEDULE	SHIFT	TS PER DAY	DA'	YS PER WEEK
					16		2 DISPOSAL AREA USE   QT			OTV D	2 EPOSITED	N I I M I I	7 LATIVE AND QTY
LOCATION WOR		LOCATION CH				SED; STA	TOSTA		WEN OOF	GROS	S(CY)		OSIT FOR DA(CY)
		Mobile Ship Cha		Sta 66	60+00 to 7	720+00 6000 FT	AVG WIDTH OF CUT	Cell 8 & 9	400 FT	AVG I	10,540   DIST TO DUMP		587,189 31 NM
							/// We wishing our						
CHARAC MATE		DENSITY OF M.	ATERIALS						1470	GMS/L			1470
		DENSITY OF W	ATER					T	1012	GMS/L	ITER@		90 °F
RIVER		MIN	0.00	TIME		00:00	MAX 0.00	TIME	00:00	GAGE	LOCATION Do	g Riv	er
STA	GE	MIN	0.00	TIME	•	00:00	MAX 0.00	TIME	00:00	GAGE	DATUM MI	LLW	
WEATHER C	ONDITION	WEATHER					TEMP	VISIBILITY		WIND	-		
		Weather Caus	sed No Dela	ay			79 °F / 96 °F	10 MI	•		2 MPH		
	Т	DRAFT						DISTRIBUT	AGITAT		MILES RUN  DREDGE 8	· I	MILES RUN
	LIGHT		LOADED						(MIN		HAUL (MIN		(NAUT MI)
FORWARD		6				17	EFFECTIVE WORKING	TIME:					
AFT		9				17	PUMPING:			00:00		1:51	0.0
DRAG DEPTH	MAX 0		MIN	0			TURNING:			00:00		0:00	0.0
INDICATORS LA	AST CHECKED (	ON 06/25/20 <sup>-</sup>	14				TO DUMP:			00:00		0:36	0.0
							CONNECTING:			00:00		0:00	0.0
AVERAGE SPE LOADING	ED OF DREDGE	DURING	FT	Γ/MIN		0	DUMPING: DISCONNECTING:			00:00		0:12	0.0
AVERAGE SPE AGITATING	ED OF DREDGE	DURING	FT	Γ/MIN		0	TO CUT:			00:00		0:00	0.0
	UEL OIL CONSU	JMED		GAL		2,889	TOTALS:			00:00		3:20	0.0
GALLONS OF V	VATER CONSUM	ИED		GAL		740	NON-EFFECTIVE WOR	KING TIME:		00.00		5.20	
	,	WORK PERFORI	MED				TAKING ON FUEL AND			00:00	00	0:00	0.0
	DREDGING A	AND HAULING			AGIT	ATING	TO AND FROM WHARF			00:00		0:00	0.0
NO.OF LOADS			AL AREA			L CYS	ANCHORAGE: LOSS DUE TO NATURA	AL		00:00	00	0:00	0.0
4	10,540	Cell	8 & 9			0	ELEMENTS: LOSS DUE TO TRAFFIC	C AND		00:00	00	0:00	0.0
							BRIDGES MINOR OPERATING R	EPAIRS		00:00	0(	0:40	0.0
							TRANSFERRING BETV WORKS	VEEN		00:00	00	0:00	0.0
		 ATTENDANT PLA	A NIT				LAY TIME:			00:00	00	0:00	0.0
,,		1		, [	шв	нопре	FIRE AND BOAT DRILL	_S:		00:00	00	0:00	0.0
	EM		R NUMBER	•	H.P.	HOURS	MISCELLANEOUS			00:00	00	0:00	0.0
40' Cre	ewboat	Cape	Anne		400	12:00	TOTALS			00:00	00	0:40	0.0
							LOST TIME:		•		•		
							MAJOR REPAIRS AND ALTERNATIONS			00:00	00	0:00	0.0
							CESSATION:			00:00	00	0:00	0.0
							COLLISIONS:			00:00	00	0:00	0.0
							TOTALS:			00:00	00	0:00	0.0
							TOTAL TIME/MILES:			00:00	24	4:00	0.0

		QUALITY CONTRO	L REPORT-HOPPER	DREDGE		PAGE NO.	Page 150 of 279	
CONTRACT NO	).	CONTRACT TITLE	CONTRACT	OR		REPORT NO		
W91278-14-D	-0041 0001	Maintenance Dredging of Mobile Harbor	Dutra Dredgi	ng Company			75	
DREDGE		NAME AND TYPE Columbia				<b>DATE</b> 08/23/2014		
			LOADS					
LOAD NUMBER		DREDGING AREA DISPOSAL AREA	START TIME STOP TIME	PUMPING TURNING	DUN	DUMP MPING CUT	TOTAL TIME DREDGED AMOUNT AGITATED AMOUNT	
			(HH:MM)	(MIN)		ΛIN)	(MIN/CYS)	
1	Sta 660+00 to	720+00	00:00	29		193	340	
	Cell 8 & 9		00:29	0		4	2,635	
						114	0	
2	Sta 660+00 to	720+00	05:40	28		182	372	
	Cell 8 & 9		06:08	0		4	2,635	
						158	0	
3	Sta 660+00 to	720+00	11:52	28		172	372	
· ·	Cell 8 & 9		12:20	0		4	2,635	
	55 5 4 5					168	0	
4	Sta 660+00 to	720+00	18:04	26		89	316	
•	Cell 8 & 9		18:30	0		0	2,635	
	55 5 4 5					201	0	

### **GENERAL COMMENTS**

1400 Minutes @ 100% 40 Minutes @ 0% Minor Repairs - Hydraulics

CONTRACTOR CERTIFICATION	material used and	on behalf of the contractor, I certify that this Report is complete and correct and all equipment and naterial used and work performed during this Reporting period are in compliance with the contract lans and specifications, to the best of my knowledge, except as noted above.									
QC REPRESENTATIVE'S SIGNATURE	DA	ATE	SUPERINTENDENT'S INITIALS	DATE							

QUALITY CONTROL REPORT-HOPPER DREDGE								F	PAGE NO.	ļ	Page 151 of 279			
CONTRACT NO W91278-14-D		CONTRACT TI Maintenance I		of Mob	ile Harbo	,		TRACTOR  a Dredging Comp	nany		F	REPORT NO.		76
CHARACTER O		X   MAINTEN		WIOD	NEW V		Dulla	Dreaging Comp	Daily		-	DATE		76
REPORT							A) (C) )	OL OF DINIMAT		4487 CY	۸۷/۵	08/24/2014		0 CY
Colu		NO. OF CF	PER CAP:		DREDG	4487 CY		OL OF BIN WAT	WORK SCI			UNFILLED CAI		AYS PER WEEK
Colu	Піріа	MEMBER			16	_	011	2	WORK SCI	JEDULE	2			7
LOCATIO		LOCATION CH	IANNEL	REAC		SED; STA	TO STA		DISPOSAL A	REA USE		DEPOSITED SS(CY)	СПМГ	JLATIVE AND QTY OSIT FOR DA(CY)
WOF	RK	Mobile Ship Cha	nnel	Sta 6	60+00 to 7	720+00	ı		Cell 8 & 9		Onc	10,540	1	597,729
		AVG LENGTH	OF CUT			6000 FT	AVG V	AVG WIDTH OF CUT 400 FT			AVG	DIST TO DUMF	<u> </u>	31 NM
CHARAC	TER OF	DENSITY OF M	ATERIALS	;				1470 G				LITER		1470
MATER	RIAL	DENSITY OF W	ATER					1012 G			GMS	LITER@		90 °F
RIVER/		MIN	0.00	TIME		00:00	MAX	0.00 TIME 00:00 G			GAGI	E LOCATION D	og Ri	ver
STAC	3E	MIN	0.00	TIME	-	00:00	MAX				GAGI	E DATUM N	ИLLW	
WEATHER C	ONDITION	WEATHER	and No Dol	01/			TEMP				WINE			
	Weather Caused No Delay         79 °F / 100 °F         10 MI         1           DRAFT         DISTRIBUTION OF TIME					12 MPH ME AND MILES RUN								
	LIGHT		LOADED							AGITAT		DREDGE		MILES RUN
FORWARD	LIGITI	6	LOADED			17	EFFEC	TIVE WORKING	TIME:	(MIN)	۷)	HAUL (MII	N)	(NAUT MI)
AFT		9				17	PUMPI	NG:				00:00		0.0
DRAG DEPTH	MAX 0		MIN			.,	TURNII	NG:			00:0	0 (	00:05	0.0
DRAG DEFTH	IVIAX U		IVIIIN	0			TO DU	MP:			00:0	0 1	11:07	0.0
INDICATORS LA	AST CHECKED (	ON 06/25/20	14				CONNE	ECTING:			00:0	0 (	00:00	0.0
AVERAGE SPE	ED OF DREDGE	DURING	F	T/MIN			DUMPI	NG:			00:0	0 (	00:16	0.0
LOADING AVERAGE SPE	ED OF DREDGE	DURING	F	T/MIN		0	DISCO	NNECTING:			00:0	0 (	00:00	0.0
AGITATING	UEL OIL CONSU	IMED		GAL		0	TO CU				00:0	0 1	10:48	0.0
	VATER CONSUM			GAL			TOTAL	S:			00:0	0 2	24:00	0.0
0/1220110 01 1				0,12		746	NON-E	FFECTIVE WOR	KING TIME:					
	<u>'</u>	WORK PERFORI	MED	I				G ON FUEL AND			00:0	0 0	00:00	0.0
NO.OF LOADS	TOTAL CYS	ND HAULING	AL AREA			L CYS	ANCHO	D FROM WHARF			00:0	0 0	00:00	0.0
5	10,540		8 & 9			)	ELEME	DUE TO NATURA NTS: DUE TO TRAFFIO			00:0	0 0	00:00	0.0
							BRIDG	ES			00:0	0 (	00:00	0.0
								OPERATING RI			00:0		00:00	0.0
							WORK	S	VLLIN		00:0		00:00	0.0
	•	ATTENDANT PL	ANT				LAY TII				00:0		00:00	0.0
IT	ЕМ	NAME OF	R NUMBER	₹	H.P.	HOURS		ND BOAT DRILL	.S:		00:0		00:00	0.0
40' Cre	ewboat	Cape	Anne		400	12:00		LLANEOUS			00:0		00:00	0.0
							TOTAL				00:0		00:00	0.0
								R REPAIRS AND			00:0	$\overline{\Box}$	00:00	0.0
							ALTER CESSA	NATIONS ATION:			00:0		00:00	0.0
							COLLIS				00:0		00:00	0.0
							TOTAL				00:0		00:00	0.0
							-	TIME/MILES:			00:0		24:00	0.0
		<u> </u>				<u> </u>								

		QUALITY CONTROL	REPORT-HOPPER	DREDGE		PAGE NO.	Page 152 of 279
CONTRACT NO	<u> </u>	CONTRACT TITLE	CONTRACTO	nr.		REPORT N	
W91278-14-E	-	Maintenance Dredging of Mobile Harbor	Dutra Dredgii			I KEI OKI K	
W91270-14-L	7-0041 0001		Dulla Dieugii	ng Company			/6
DREDGE		NAME AND TYPE				<b>DATE</b> 08/24/20	1.4
		Columbia				00/24/20	17
			LOADS				_
LOAD NUMBER		DREDGING AREA DISPOSAL AREA	START TIME STOP TIME	PUMPING TURNING	DUM TO	DUMP MPING CUT	TOTAL TIME DREDGED AMOUNT AGITATED AMOUNT
	0. 000 00.		(HH:MM)	(MIN)	(1)	MIN)	(MIN/CYS)
1	Sta 660+00 to	720+00	00:00	1		95	100
	Cell 8 & 9		00:01	0		4	0
						0	0
2	Sta 660+00 to	720+00	01:40	28		190	388
	Cell 8 & 9		02:08	0		4	2,635
						166	0
3	Sta 660+00 to	720+00	08:08	24		195	380
	Cell 8 & 9		08:32	0		4	2,635
						157	0
4	Sta 660+00 to	720+00	14:28	26		179	379
•	Cell 8 & 9		14:54	0		4	2,635
	0000					170	0
5	Sta 660+00 to	720+00	20:47	25		8	193
-	Cell 8 & 9		21:17	5		0	2,635
						155	0

**GENERAL COMMENTS** 

CONTRACTOR CERTIFICATION	material used a	and work performed during t	is Report is complete and correct a his Reporting period are in complia knowledge, except as noted above.	ance with the contract
QC REPRESENTATIVE'S SIGNATURE		DATE	SUPERINTENDENT'S INITIALS	DATE

QUALITY CONTROL F								PORT-HOPPER DREDGE				AGE NO.	ı	Page 153 of 279	
CONTRACT NO W91278-14-D		CONTRACT TI Maintenance I		of Mob	ile Harbo	·		TRACTOR  Dredging Comp	nanv		R	EPORT NO.		77	
CHARACTER O		MAINTEN			NEW V		Dulla	Dreaging Comp	oally			ATE			
REPORT												08/25/2014			
DRED			PER CAP:			4487 CY		OL OF BIN WAT		4487 CY		UNFILLED CAI		0 CY	
Colui	mbia	NO. OF CF MEMBEF			DREDG	E	OTH	HER PLANT	WORK SCI	HEDULE	SHIF	TS PER DAY	D/	AYS PER WEEK	
LOCATIO	ON OF	LOCATION CH	IANNEL	REAC	16 H DREDG	SED; STA	TO STA	2	DISPOSAL A	REA USE		DEPOSITED		7 JLATIVE AND QTY	
WOR		Mobile Ship Cha			60+00 to 7				Cell 8 & 9		GRO	SS(CY) 2,635		OSIT FOR DA(CY) 600,364	
		AVG LENGTH	OF CUT			6000 FT	AVG W	VIDTH OF CUT	•	400 FT	AVG	AVG DIST TO DUMP 31			
CHARACT	CHARACTER OF DENSITY OF MATERIALS								1470	GMS/	LITER	=	1470		
	MATERIAL DENSITY OF WATER							1012	GMS/	LITER@		90 °F			
RIVER/	RIVER/TIDE MIN 0.00 TIME 00:00 MAX 0.00 TIME						00:00	GAGE	E LOCATION D	og Ri	ver				
STAC		MIN	0.00	TIME		00:00	MAX	0.00	TIME	00:00	GAGE	DATUM N	1LLW		
WEATHER C	ONDITION	WEATHER					TEMP		VISIBILITY						
		Weather Caus	sed No Del	lay			80 °F / 91 °F   10 MI   10 MI					16 MPH			
		DRAFT					DISTRIBUTION OF TIME					DREDGE	Q.	MILES RUN	
	LIGHT		LOADED							(MIN		HAUL (MII		(NAUT MI)	
FORWARD		6				17	<u> </u>	TIVE WORKING	TIME:						
AFT		9				17	PUMPII				00:0		00:28	0.0	
DRAG DEPTH	MAX 0	MIN 0 TURNING:  TO DUMP:				00:0		00:00	0.0						
INDICATORS LA	AST CHECKED (	ON 06/25/20	14								00:0		)5:52	0.0	
							DUMPI	ECTING:			00:0		00:00	0.0	
AVERAGE SPEE LOADING	ED OF DREDGE	DURING	F	T/MIN		0		NNECTING:			00:0		00:00	0.0	
AVERAGE SPEE	ED OF DREDGE	DURING	F	T/MIN		0	TO CUT				00:0	+	3:42	0.0	
GALLONS OF F	UEL OIL CONSU	JMED		GAL		900					00:0		0:10	0.0	
GALLONS OF W	VATER CONSUM	1ED		GAL		546	<b>-</b>	FFECTIVE WOR	KING TIME:			3	0.10	0.0	
	١	WORK PERFORI	MED	[			<b>-</b>	ON FUEL AND			00:0	0 .	3:50	0.0	
	DREDGING A	ND HAULING			AGITA	ATING		D FROM WHARF	OR		00:0	0 (	00:00	0.0	
NO.OF LOADS	TOTAL CYS 2,635		AL AREA			L CYS		DRAGE: DUE TO NATURA	AL		00:0	0 (	00:00	0.0	
3	2,633	Cell	8 & 9			0		DUE TO TRAFFIC	C AND		00:0	0 (	00:00	0.0	
								OPERATING RI	EPAIRS		00:0	0 (	00:00	0.0	
							TRANS WORKS	FERRING BETW	VEEN		00:0	0 (	00:00	0.0	
		ATTENDANT PL	ΔΝΤ				LAY TIN				00:0	0 (	00:00	0.0	
IT	ATTENDANT PLANT					HOURS	FIRE AI	ND BOAT DRILL	.S:		00:0	0 (	00:00	0.0	
						MISCEI	LLANEOUS			00:0	0 (	00:00	0.0		
40 CIE	400 12.0				12:00	TOTAL	S			00:0	0 1	3:50	0.0		
						LOST T									
						MAJOR REPAIRS AND ALTERNATIONS				00:0	0 (	00:00	0.0		
CESSATION:								00:0	0 (	00:00	0.0				
					COLLISIONS:				00:0	0 (	00:00	0.0			
					TOTAL	S:			00:0	0 (	00:00	0.0			
т					TOTAL	TIME/MILES:			00:0	0 2	24:00	0.0			

			PAGE NO. Page 154 of 279						
CONTRACT NO	).	CONTRACT TITLE	CONTRACT	OR		REPORT NO.			
W91278-14-D	-0041 0001	Maintenance Dredging of Mobile Harbor	Dutra Dredg	ing Company		77			
DREDGE		NAME AND TYPE Columbia			<b>DATE</b> 08/25/2014				
		-	LOADS			-			
LOAD NUMBER		DREDGING AREA DISPOSAL AREA	START TIME STOP TIME	PUMPING TURNING	DUN	DUMP MPING CUT	TOTAL TIME DREDGED AMOUNT AGITATED AMOUNT		
			(HH:MM)	(MIN)	(N	ЛIN)	(MIN/CYS)		
1	Sta 660+00 to	720+00	00:00	1		174	179		
	Cell 8 & 9		00:01	0		4	0		
						0	0		
2	Sta 660+00 to	720+00	02:59	26		178	417		
_	Cell 8 & 9		03:25	0		4	2,635		
						209	0		
3	Sta 660+00 to	720+00	23:46	1		0	14		
	Cell 8 & 9		23:47	0		0	0		
						13	0		

### **GENERAL COMMENTS**

610 Minutes @ 100%

830 Minutes @ 0% Minor Repairs - Fuel and Water

CONTRACTOR CERTIFICATION	material used a	pehalf of the contractor, I certify that this Report is complete and correct and all equipment and erial used and work performed during this Reporting period are in compliance with the contract is and specifications, to the best of my knowledge, except as noted above.											
QC REPRESENTATIVE'S SIGNATURE		DATE	SUPERINTENDENT'S INITIALS	DATE									

QUALITY CONTROL							EPORT-HOPPER DREDGE				AGE NO.	F	Page 155 of 279
CONTRACT NO W91278-14-D		CONTRACT TI		of Mob	ilo Harbo	-	CONTRACTOR  Dutra Dredging Comp	nany.		R	REPORT NO.		70
CHARACTER O		X   MAINTEN		JI WIOD	NEW \		Dutta Dreaging Comp	oally			OATE 08/26/2014		78
DRED	)GE	HOPF	PER CAP:			4487 CY	AVG VOL OF BIN WAT	ER:	4487 CY	AVG	UNFILLED CA	P:	0 CY
Colu	mbia	NO. OF CF MEMBER			DREDG	E	OTHER PLANT	WORK SCI	HEDULE	SHIF	FTS PER DAY	DA	YS PER WEEK
		MEMBER	15		16		2				2		7
LOCATIO WOF		LOCATION CH Mobile Ship Cha			H DREDO	GED; STA	TO STA	DISPOSAL A	REA USE		DEPOSITED SS(CY) 10,540	DEP	JLATIVE AND QTY OSIT FOR DA(CY) 610,904
		AVG LENGTH		Ola O	0010010	6000 FT	AVG WIDTH OF CUT	1000 00	400 FT	AVG	DIST TO DUMF		31 NM
CHARAC <sup>-</sup>	TER OF	OF						1470	GMS/LITER 14			1470	
MATER	RIAL						1012	GMS/	LITER@		90 °F		
RIVER/	/TIDE						00:00	GAGE	ELOCATION D	og Riv			
STAC	STAGE         MIN         0.00         TIME         00:00         MAX         0.00         TIME         00:0						00:00	GAGE	E DATUM M	ЛLLW			
WEATHER C	ONDITION	WEATHER					TEMP	VISIBILITY		WIND	i	-	
		Weather Caus	sed No Del	ay			75 °F / 91 °F	10 MI					
		DRAFT						DISTRIBUTION OF TIME AND MILES RUN					
	LIGHT		LOADED						AGITAT (MIN		DREDGE HAUL (MII		MILES RUN (NAUT MI)
FORWARD		6				17	EFFECTIVE WORKING	TIME:					
AFT		9				17	PUMPING:			00:0	0 0	01:54	0.0
DRAG DEPTH	MAX 0		MIN	1 0			TURNING:			00:0	0 0	00:00	0.0
INDICATORS L	AST CHECKED (	ON 06/25/20 <sup>2</sup>	1.4				TO DUMP:			00:0	0 1	10:41	0.0
INDICATORS LA	431 CHECKED (	JN 06/25/20	14				CONNECTING:			00:0	0 0	00:00	0.0
	ED OF DREDGE	DURING	F	T/MIN		0	DUMPING:			00:0	0 0	00:12	0.0
	ED OF DREDGE	DURING	F	T/MIN		0	DISCONNECTING:			00:0	0 0	00:00	0.0
AGITATING GALLONS OF F	UEL OIL CONSU	JMED		GAL		3,071	TO CUT:			00:0	0 1	11:13	0.0
GALLONS OF V	VATER CONSUN	MED		GAL			TOTALS:			00:0	0 2	24:00	0.0
						748	NON-EFFECTIVE WOR	RKING TIME:				—	
		WORK PERFORM	MED				TAKING ON FUEL AND			00:0	0 0	00:00	0.0
NO.OF LOADS	TOTAL CYS	ND HAULING	AL AREA			ATING L CYS	TO AND FROM WHARF ANCHORAGE:			00:0	0 0	00:00	0.0
4	10,540		8 & 9			0	LOSS DUE TO NATURA			00:0	0 0	00:00	0.0
							LOSS DUE TO TRAFFI BRIDGES	CAND		00:0	0 0	00:00	0.0
							MINOR OPERATING R			00:0	0 0	00:00	0.0
							TRANSFERRING BETV WORKS	VEEN		00:0	0 0	00:00	0.0
		ATTENDANT PL	ANT				LAY TIME:			00:0	0 0	00:00	0.0
ΙΤ	EM	NAME OF	R NUMBER	₹	H.P.	HOURS	FIRE AND BOAT DRILL	_S:		00:0	0 0	00:00	0.0
40' Cre	ewboat	Cape	Anne		400	12:00	MISCELLANEOUS			00:0	0 0	00:00	0.0
		<u>'</u>					TOTALS			00:0	0 0	00:00	0.0
							LOST TIME:		ı				
							MAJOR REPAIRS AND ALTERNATIONS			00:0	0 0	00:00	0.0
							CESSATION:			00:0	0 0	00:00	0.0
							COLLISIONS:			00:0	0 0	00:00	0.0
							TOTALS:			00:0	0 0	00:00	0.0
							TOTAL TIME/MILES:			00:0	0 2	24:00	0.0

		QUALITY CONTROL	REPORT-HOPPER	DREDGE		PAGE NO.	Page 156 of 279		
CONTRACT NO	).	CONTRACT TITLE	CONTRACT	OR		REPORT N	0.		
W91278-14-D	0-0041 0001	Maintenance Dredging of Mobile Harbor	Dutra Dredgi	ng Company		78			
DREDGE		NAME AND TYPE Columbia				<b>DATE</b> 08/26/2014			
			LOADS			-			
LOAD NUMBER		DREDGING AREA DISPOSAL AREA	START TIME STOP TIME	PUMPING TURNING	DUI	DUMP MPING CUT	TOTAL TIME DREDGED AMOUNT AGITATED AMOUNT		
			(HH:MM)	(MIN)		ЛIN)	(MIN/CYS)		
1	Sta 660+00 to	720+00	00:00	30		184	376		
	Cell 8 & 9		00:30	0		4	2,635		
						158	0		
2	Sta 660+00 to	720+00	06:16	26		190	392		
	Cell 8 & 9		06:42	0		4	2,635		
						172	0		
3	Sta 660+00 to	720+00	12:48	31		176	382		
	Cell 8 & 9		13:19	0		4	2,635		
						171	0		
4	Sta 660+00 to	720+00	19:10	27		91	290		
	Cell 8 & 9		19:37	0		0	2,635		
						172	0		

**GENERAL COMMENTS** 

CONTRACTOR CERTIFICATION	material used a	behalf of the contractor, I certify that this Report is complete and correct and all equipment and sterial used and work performed during this Reporting period are in compliance with the contract ans and specifications, to the best of my knowledge, except as noted above.											
QC REPRESENTATIVE'S SIGNATURE		DATE	SUPERINTENDENT'S INITIALS	DATE									

			ALITY	CONTR	OL REPO	PORT-HOPPER DREDGE				GE NO.	F	Page 157 of 279	
CONTRACT NO		CONTRACT TI					CONTRACTOR			RE	PORT NO.		<u> </u>
W91278-14-D		Maintenance I	Oredging o	of Mob	ile Harbo	r	Dutra Dredging Comp	oany			ATE	—	79
REPORT	·r	X MAINTEN	NANCE		NEW V	WORK		-			08/27/2014		
DRED	GE	HOPF	PER CAP:			4487 CY	AVG VOL OF BIN WAT	TER:	4487 CY	AVG (	JNFILLED CAP	<b>)</b> :	0 CY
Colu	mbia	NO. OF CF MEMBER			DREDG	iΕ	OTHER PLANT	WORK SCI	HEDULE	SHIFT	S PER DAY	DA	YS PER WEEK
LOCATIO		LOCATION CH	IANNEI	REAC	16	SED; STA	2 TO STA	DISPOSAL A	REA USE	QTY DI	2 EPOSITED	CUMI	7 JLATIVE AND QTY
LOCATIO WOF		Mobile Ship Cha			60+00 to 7		10017	Cell 8 & 9		GROS	S(CY)	DEP	OSIT FOR DA(CY) 610,904
		AVG LENGTH		Sia Vi	30+00 10 1	6000 FT	AVG WIDTH OF CUT	0011000	400 FT	AVG E	DIST TO DUMP	)	31 NM
CHADAC	DENSITY OF MATERIALS 147							1470	GMS/LI	ITER		1470	
	MATERIAL							1012	GMS/LI	ITER@		90 °F	
DIVER	TIDE	MIN	0.00	TIME		00:00	MAX 0.00	TIME	00:00	GAGE	LOCATION Do	og Ri	ver
	RIVER/TIDE STAGE							00:00	GAGE	DATUM M	LLW		
WEATHER CONDITION WEATHER							TEMP	VISIBILITY		WIND			
WEATHER O		Weather Caus			75 °F / 91 °F	10 MI		16 MPH					
		DRAFT						DISTRIBUT		MILES RUN			
	LIGHT LOADED AG						AGITATI (MIN)		DREDGE & HAUL (MIN		MILES RUN (NAUT MI)		
FORWARD		6				17	EFFECTIVE WORKING						
AFT		9				17	PUMPING:	00:00	00	0:01	0.0		
DRAG DEPTH	MAX 0		MIN	1 0			TURNING:			00:00	00	0:00	0.0
INDICATORS LA	AST CHECKED (	ON 06/25/20	14				TO DUMP:			00:00	0.	1:35	0.0
III DIO TI OTO E	OT OFFICINED	00/25/20	14				CONNECTING:			00:00	00	0:00	0.0
AVERAGE SPEI LOADING	ED OF DREDGE	DURING	F	T/MIN		0	DUMPING:			00:00	00	0:59	0.0
	ED OF DREDGE	DURING	F	T/MIN		0	DISCONNECTING:			00:00	-	0:00	0.0
	UEL OIL CONSU	JMED		GAL		1,000	TO CUT: TOTALS:			00:00		0:58	0.0
GALLONS OF V	VATER CONSUM	MED		GAL		500		NAME TIME		00:00	03	3:33	0.0
	,	WORK PERFORI	MED.				NON-EFFECTIVE WOF			00.00		0.00	
		ND HAULING			AGIT	ATING	TAKING ON FUEL AND TO AND FROM WHAR			00:00		0:00	0.0
NO.OF LOADS	TOTAL CYS		AL AREA			L CYS	ANCHORAGE: LOSS DUE TO NATURA	AL		00:00		0:00	0.0
1	0	Cell	8 & 9		(	0	ELEMENTS: LOSS DUE TO TRAFFI	C AND		00:00		0:00	0.0
							BRIDGES MINOR OPERATING R	EDAIDS		00:00		0:00	0.0
							TRANSFERRING BETV			00:00		0:00	0.0
							WORKS LAY TIME:			00:00		0:00	0.0
		ATTENDANT PL	ANT			1	FIRE AND BOAT DRILL	S.		00:00	<b>_</b>	0:00	0.0
ITEM NAME OR NUMBER H.P. HOL					HOURS	MISCELLANEOUS			00:00	-	0:27	0.0	
40' Crewboat Cape Anne 400 12				12:00	TOTALS			00:00		0:27	0.0		
							LOST TIME:						
							MAJOR REPAIRS AND			00:00	00	0:00	0.0
					ALTERNATIONS CESSATION:			00:00	-	0:00	0.0		
					COLLISIONS:			00:00		0:00	0.0		
					TOTALS:			00:00	0/	0:00	0.0		
							TOTAL TIME/MILES:			00:00	2.	4:00	0.0
							<u> </u>						

			PAGE NO.	Page 158 of 279			
CONTRACT NO			REPORT NO.				
W91278-14-D	-0041 0001	Maintenance Dredging of Mobile Harbor	Dutra Dredgi	ng Company			79
DREDGE		NAME AND TYPE Columbia				<b>DATE</b> 08/27/2014	
			LOADS			-	
LOAD NUMBER		DREDGING AREA DISPOSAL AREA	START TIME STOP TIME	PUMPING TURNING	DUN	DUMP MPING CUT	TOTAL TIME DREDGED AMOUNT AGITATED AMOUNT
			(HH:MM)	(MIN)	(N	ЛIN)	(MIN/CYS)
1	Sta 660+00 to	720+00	00:00	1		95	213
	Cell 8 & 9		00:01	0		59	0
						58	0
00 114 22 4 7 11					1		

### **GENERAL COMMENTS**

213 Minutes @ 100%

1227 Minutes @ 0% Minor Repairs - Annual Shipyard

CONTRACTOR CERTIFICATION	material used a	behalf of the contractor, I certify that this Report is complete and correct and all equipment and terial used and work performed during this Reporting period are in compliance with the contract ns and specifications, to the best of my knowledge, except as noted above.											
QC REPRESENTATIVE'S SIGNATURE		DATE	SUPERINTENDENT'S INITIALS	DATE									

QUALITY CONTROL I							EPORT-HOPPER DREDGE				PA	AGE NO.	F	Page 159 of 279	
CONTRACT NO		CONTRACT TI						RACTOR			RE	PORT NO.			
W91278-14-D CHARACTER O		Maintenance I		of Mob			Dutra I	Dredging Comp	any			ATE	—	96	
REPORT		X  MAINTEN	NANCE		NEW V	VORK	ı					09/13/2014			
DRED	GE		PER CAP:			4487 CY	AVG VC	L OF BIN WAT	ER:	4487 CY	AVG (	JNFILLED CAP	<b>'</b> :	0 CY	
Stuyv	esant	NO. OF CF MEMBER			DREDG 22	E	ОТН	ER PLANT 2	WORK SCI	HEDULE	SHIFT	rs per day 2	DA	AYS PER WEEK	
LOCATIO		LOCATION CH	IANNEL	REAC		SED; STA	TO STA		DISPOSAL A	REA USE	QTY D	EPOSITED		JLATIVE AND QTY OSIT FOR DA(CY)	
WOF	(K	Mobile Harbor		Sta 20	00+00 to 2	30+00	ı		Open Water	Cell 8 & 9		5,927		5,927	
		AVG LENGTH	OF CUT			3000 FT	AVG WI	DTH OF CUT		200 FT	AVG E	AVG DIST TO DUMP 42			
CHARAC	TER OF	DENSITY OF M	ATERIALS	;			1.45				GMS/L	ITER		1.45	
MATER	RIAL	DENSITY OF W	ATER							1.0060	GMS/L	ITER@		91 °F	
RIVER/ STAC		MIN	0.00	TIME	,	00:00	MAX	0.00	TIME	00:00 GAGE LOCATION NO.				State Docks	
		MIN	0.00	TIME		00:00		0.00	TIME	00:00 GAGE DATUM NA					
WEATHER C	ONDITION	WEATHER Weather Caus	sed No Del	av			TEMP	°F/91 °F	VISIBILITY WIND  F/91 °F 10 MI 14 MPH						
		DRAFT		<u>~y</u>				. ,		ION OF TIM		E AND MILES RUN			
	LIGHT LOADED					AGITA (MIN		DREDGE (		MILES RUN (NAUT MI)					
FORWARD		17				24	EFFECTIVE MODIVING TIME				1)	TINCE (WIII)	•/	(IV/C) IVII)	
AFT		29				29	PUMPING:				00:00	0	0:49	0.0	
DRAG DEPTH	MAX 0	0 MIN 0					TURNIN	G:			00:00	0	0:35	0.0	
		-					TO DUM	P:			00:00	0	4:36	0.0	
INDICATORS LA	AST CHECKED (	ON 09/13/20 <sup>-</sup>	14				CONNEC	CTING:			00:00	0	0:00	0.0	
AVERAGE SPE	ED OF DREDGE	DURING	F	T/MIN		0	DUMPIN	G:			00:00	0	0:00	0.0	
LOADING AVERAGE SPE	ED OF DREDGE	DURING	F	T/MIN		0	DISCON	NECTING:			00:00	0	0:00	0.0	
AGITATING	UEL OIL CONSU			GAL			TO CUT:	:			00:00	0	0:00	0.0	
GALLONS OF V	VATER CONSUM	/ED		GAL		3,000	TOTALS	:			00:00	0	6:00	0.0	
				0, 12		1,000	NON-EF	FECTIVE WOR	KING TIME:	<u> </u>					
		WORK PERFORI	MED	ı				ON FUEL AND			00:00	0	0:00	0.0	
NO.OF LOADS		AND HAULING	AL ADEA			ATING	ANCHO				00:00	0	0:00	0.0	
1	TOTAL CYS 5,927		AL AREA 8 & 9			L CYS	ELEMEN	JE TO NATURA <u>ITS:</u> JE TO TRAFFIO			00:00	0	0:00	0.0	
							BRIDGE	S			00:00		0:00	0.0	
								OPERATING RE			00:00		0:00	0.0	
							WORKS		VLLIN		00:00		0:00	0.0	
		ATTENDANT PL	ANT				LAY TIM				00:00		0:00	0.0	
IT	ЕМ	NAME OF	NAME OR NUMBER H.P. HO			HOURS	-	D BOAT DRILL	S:		00:00		0:00	0.0	
40' Cre	w Boat	pat Cape Anne 400 12:			12:00		LANEOUS			00:00	<b>+</b>	8:00	0.0		
						TOTALS				00:00	1	8:00	0.0		
					LOST TII				00.00		0.00	0.0			
					MAJOR REPAIRS AND ALTERNATIONS				00:00		0:00	0.0			
							CESSATION:			00:00		0:00	0.0		
				COLLISIONS:			00:00		0:00	0.0					
							TOTALS:  TOTAL TIME/MILES:			00:00		4:00	0.0		
						JUNE				55.00			<u> </u>		

			PAGE NO.	Page 160 of 279			
CONTRACT NO		REPORT NO.	ı				
W91278-14-D-	-0041 0001	Maintenance Dredging of Mobile Harbor	Dutra Dredgi	ng Company		96	
DREDGE		NAME AND TYPE				DATE	
DKLDGL		Stuyvesant				09/13/2014	
			LOADS				
LOAD NUMBER		DREDGING AREA DISPOSAL AREA	START TIME STOP TIME	PUMPING TURNING	DUI	DUMP MPING CUT	TOTAL TIME DREDGED AMOUNT AGITATED AMOUNT
			(HH:MM)	(MIN)	(1)	ЛIN)	(MIN/CYS)
1	Sta 200+00 to 2	230+00	18:00	49		276	360
	Cell 8 & 9		19:24	35		0	5,927
						0	0

### **GENERAL COMMENTS**

360 Minutes @ 100% 1080 Minutes @ 0 %

Dredge Stuyvesant mobilzed to the Mobile

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 F							EPORT-HOPPER DREDGE				PA	AGE NO.	F	Page 161 of 279
CONTRACT NO		CONTRACT TI			9. 11. 1			RACTOR			RE	EPORT NO.		
W91278-14-D CHARACTER O		Maintenance I		of Mob			Dutra	Dredging Comp	any		D/	ATE	—	97
REPORT		X  MAINTEN	NANCE		NEW V	VORK	I					09/14/2014		
DRED	GE		ER CAP:			4487 CY	AVG VO	OL OF BIN WAT	ER:	4487 CY	AVG l	UNFILLED CAP	:	0 CY
Stuyv	esant	NO. OF CF MEMBER			DREDG 22	E	ОТН	ER PLANT	WORK SCI	HEDULE	SHIFT	TS PER DAY	DA	AYS PER WEEK
LOCATIO		LOCATION CH	IANNEL	REAC		SED; STA	TO STA	2	DISPOSAL A	REA USE	QTY D GROS	EPOSITED (		JLATIVE AND QTY OSIT FOR DA(CY)
WOF	RK	Mobile Harbor		Sta 20	0+00 to 2	30+00			Open Water	Cell 8 & 9	GROS	11,854	DEF	17,781
		AVG LENGTH	OF CUT			3000 FT	AVG W	IDTH OF CUT		200 FT	AVG [	AVG DIST TO DUMP		
CHARAC		DENSITY OF M	ATERIALS	i						1.45	GMS/L	ITER		1.45
MATER	RIAL	DENSITY OF W	ATER							1.0060	GMS/L	ITER@		91 °F
RIVER/		MIN	0.00	TIME		00:00	MAX	0.00	TIME	00:00	GAGE	LOCATION NO	AAC	State Docks
STAC	i <b>L</b>	MIN	0.00	TIME		00:00	MAX	0.00	TIME	00:00 GAGE DATUM NA				
WEATHER C	ONDITION	WEATHER	N- D-I				TEMP	0E / 04 0E	VISIBILITY WIND 01 °F 10 MI 14 MPH					
		Weather Caus	sea No Dei	ay			/ 1	°F / 91 °F	10 MI  DISTRIBUT	ION OF TIM		MILES RUN		
	LIGHT LOADED								ΓING	DREDGE 8		MILES RUN		
FORWARD	LIGHT	17	LOADED			24 EFFECTIVE WORKING TIME:				N)	HAUL (MIN	1)	(NAUT MI)	
AFT		29				29	PUMPING:				00:00	0.	1:14	0.0
	MAX 0	Т.				TURNIN	G:			00:00	0(	0:27	0.0	
DRAG DEPTH	IVIAX U	MIN 0				TO DUM	IP:			00:00	0:	9:43	0.0	
INDICATORS LA	AST CHECKED (	ON 09/13/20	14				CONNE	CTING:			00:00	0(	0:00	0.0
AVERAGE SPE	ED OF DREDGE	DURING	F	T/MIN			DUMPIN	IG:			00:00	00	0:13	0.0
LOADING AVERAGE SPE				T/MIN		0	DISCON	INECTING:			00:00	00	0:00	0.0
AGITATING GALLONS OF F				GAL		0	TO CUT	:			00:00	1	1:18	0.0
GALLONS OF V				GAL		5,292	TOTALS	3:			00:00	22	2:55	0.0
O/ILLONG OF V	- THE CONSON			O/ (L		2,000	NON-EF	FECTIVE WOR	KING TIME:					
	'	WORK PERFORI	MED					ON FUEL AND			00:00	00	0:00	0.0
NO OF LOADS		AND HAULING	AL ADEA			ATING	ANCHO				00:00	00	0:00	0.0
NO.OF LOADS 4	TOTAL CYS 11,854	Cell	AL AREA 8 & 9			L CYS	ELEMEN				00:00	00	0:00	0.0
							BRIDGE	UE TO TRAFFICES	J AND		00:00	00	0:00	0.0
								OPERATING RE			00:00	0.	1:05	0.0
							WORKS	FERRING BETW	/EEN		00:00	00	0:00	0.0
		ATTENDANT PL	ANT				LAY TIM	IE:			00:00	00	0:00	0.0
IT	ITEM NAME OR NUMBER H.P. HOU				HOURS	FIRE AN	ID BOAT DRILL	S:		00:00	00	0:00	0.0	
40' Cre	40' Crew Boat Cape Anne 400 12:0			12:00		LANEOUS			00:00		0:00	0.0		
						TOTALS				00:00	0.	1:05	0.0	
					LOST TI	ME: REPAIRS AND				Τ -				
					ALTERN	IATIONS			00:00		0:00	0.0		
					CESSATION:			00:00		0:00	0.0			
				COLLISIONS:			00:00		0:00	0.0				
							TOTALS:  TOTAL TIME/MILES:			00:00		0:00	0.0	
						TOTAL	I IIVIE/IVIILES:			00:00		4:00	0.0	

		QUALITY CONTROL	REPORT-HOPPER	DREDGE		PAGE NO.	Page 162 of 279	
CONTRACT NO	D.	CONTRACT TITLE	CONTRACT	OR		REPORT NO	).	
W91278-14-I	0-0041 0001	Maintenance Dredging of Mobile Harbor	Dutra Dredgi	ng Company	npany			
DREDGE		NAME AND TYPE Stuyvesant				<b>DATE</b> 09/14/2014	1	
		•	LOADS			•		
LOAD NUMBER		DREDGING AREA DISPOSAL AREA	START TIME STOP TIME	PUMPING TURNING	DUI TC	DUMP MPING CUT	TOTAL TIME DREDGED AMOUNT AGITATED AMOUNT	
	Sta 200±00 to	230±00	(HH:MM) 00:00	(MIN)	(1	MIN) 19	(MIN/CYS) 26	
1	Sta 200+00 to 230+00 Cell 8 & 9		00:01	0		6	0 0	
2	Sta 200+00 to	230+00	00:26	35	289		613	
-	Cell 8 & 9		01:21	20		4 265	5,927 0	
3	Sta 200+00 to	230+00	10:39	37		275	549	
-	Cell 8 & 9		11:23	7		3 227	5,927 0	
4	Sta 200+00 to	230+00	20:53	1		0	187	
•	Cell 8 & 9		20:54	0		0 186	0 0	

#### **GENERAL COMMENTS**

1375 Minutes @ 100% 65 Minutes @ 0 % minor repairs meg dredge pump motor

CONTRACTOR CERTIFICATION	material used an	n behalf of the contractor, I certify that this Report is complete and correct and all equipment and aterial used and work performed during this Reporting period are in compliance with the contract and specifications, to the best of my knowledge, except as noted above.										
QC REPRESENTATIVE'S SIGNATURE		DATE	SUPERINTENDENT'S INITIALS	DATE								

			QUA	LITY	CONTR	OL REPO	ORT-HOPPER DREDO	BE .		P	AGE NO.	F	Page 163 of 279
CONTRACT NO		CONTRACT TI					CONTRACTOR			RI	EPORT NO.		
W91278-14-D		Maintenance I	Dredging o	f Mobi	ile Harbo	r	Dutra Dredging Comp	any					98
CHARACTER O REPORT	F	X MAINTEN	NANCE		] NEW \	WORK					<b>ATE</b> 09/15/2014		
DRED	GE	HOPF	PER CAP:			4487 CY	AVG VOL OF BIN WAT	ER:	4487 CY	AVG	UNFILLED CAF	<b>?</b> :	0 CY
Stuyv	esant	NO. OF CF MEMBER			DREDG	iΕ	OTHER PLANT	WORK SC	HEDULE	SHIF	TS PER DAY	DA	YS PER WEEK
1.00471		LOCATION CH	JANNEI	DEAC	22	GED; STA	2	DISPOSAL A	REA USE	QTY D	2 DEPOSITED	СИМІ	7 JLATIVE AND QTY
LOCATIO WOR		Mobile Harbor				*	10314	Open Watr C	ell 8, 9,	GROS	S(CY)		OSIT FOR DA(CY) 35,562
		AVG LENGTH	•	Sia 20	0+00 to 2	3000 FT	AVG WIDTH OF CUT	1, 2	200 FT	AVG	17,781   35,562 VG DIST TO DUMP 42 NM		
		DENSITY OF M	ATERIALS						1.45	GMS/L			1.45
CHARACT MATER		DENSITY OF W	'ATER						1.0060	GMS/L			91 °F
		MIN		TIME		00:00	MAX 0.00	TIME	00:00				
RIVER/ STAC													
		MIN WEATHER	0.00	TIME		00:00	MAX 0.00	TIME	00:00	GAGE DATUM NA WIND			
WEATHER C	ONDITION	Weather Caus	sed No Dela	ay			75 °F / 90 °F	10 MI		9 MPH	1		
		DRAFT						DISTRIBUT	ION OF TIM	IE AND	MILES RUN		
	LIGHT		LOADED						AGITAT		DREDGE (		MILES RUN (NAUT MI)
FORWARD		17				24	EFFECTIVE WORKING	TIME:	(	•/		<del>.</del> /	(,
AFT		29				29	PUMPING:			00:00	0	1:36	0.0
DRAG DEPTH	MAX 0		MIN	0			TURNING:			00:00	0	0:20	0.0
INDICATORS I A	AST CHECKED (	ON 09/13/20 <sup>-</sup>	1.4				TO DUMP:			00:00	) 1	1:48	0.0
INDICATORS LAST CHECKED ON 09/13/2014						CONNECTING:			00:00	0	00:00	0.0	
AVERAGE SPE	ED OF DREDGE	DURING	FT	/MIN		0	DUMPING:			00:00	0	80:00	0.0
LOADING  AVERAGE SPEI	ED OF DREDGE	DURING	FT	/MIN		0	DISCONNECTING:			00:00	0	00:00	0.0
AGITATING GALLONS OF F	UEL OIL CONSI	JMED		GAL		5,292	TO CUT:			00:00	-	9:53	0.0
GALLONS OF V	VATER CONSUM	ИED		GAL		1,500	TOTALS:	WING TIME		00:00	2	23:45	0.0
	,	WORK PERFORI	l MED			•	NON-EFFECTIVE WOR			00:00	T 0	00:00	0.0
		AND HAULING			AGIT	ATING	TO AND FROM WHARE			00:00		00:00	0.0
NO.OF LOADS	TOTAL CYS	DISPOS	AL AREA			L CYS	ANCHORAGE: LOSS DUE TO NATURA	AL		00:00		0:00	0.0
2	5,927 11,854		8 & 9 1 & 2			0 0	ELEMENTS: LOSS DUE TO TRAFFI	C AND		00:00	+	0:15	0.0
	11,004	CCII	1 0 2				BRIDGES MINOR OPERATING R	EPAIRS		00:00		00:00	0.0
							TRANSFERRING BETV	VEEN		00:00	0	00:00	0.0
		ATTENDANT DI	ANIT				WORKS LAY TIME:			00:00	0	00:00	0.0
		NAME OF				HOURS	FIRE AND BOAT DRILL	.S:		00:00	0	00:00	0.0
	EM		R NUMBER		H.P.	HOURS	MISCELLANEOUS			00:00	0	00:00	0.0
40' Cre	w Boat	Cape	Anne		400	12:00	TOTALS			00:00	0	0:15	0.0
				LOST TIME:									
							MAJOR REPAIRS AND ALTERNATIONS			00:00	0	00:00	0.0
							CESSATION:			00:00	0	00:00	0.0
							COLLISIONS:			00:00	0	00:00	0.0
							TOTALS:			00:00	0	00:00	0.0
							TOTAL TIME/MILES:			00:00	2	24:00	0.0

			PAGE NO. Page 164 of 279						
CONTRACT NO	).	CONTRACT TITLE	CONTRACT	OR		REPORT NO.			
W91278-14-D	-0041 0001	Maintenance Dredging of Mobile Harbor	Dutra Dredgi	ing Company		98			
DREDGE		NAME AND TYPE Stuyvesant				<b>DATE</b> 09/15/2014			
			LOADS			-			
LOAD NUMBER		DREDGING AREA DISPOSAL AREA	START TIME STOP TIME	PUMPING TURNING	DUN	DUMP MPING CUT	TOTAL TIME DREDGED AMOUNT AGITATED AMOUNT		
			(HH:MM)	(MIN)	(N	ЛIN)	(MIN/CYS)		
1	Sta 200+00 to	230+00	00:00	27		304	417		
	Cell 8 & 9		00:34	7		5	5,927		
						74	0		
2	Sta 200+00 to	230+00	06:57	33		256	577		
_	Cell 1 & 2		07:37	7		3	5,927		
						278	0		
3	Sta 200+00 to	230+00	16:49	36		148	431		
	Cell 1 & 2		17:31	6		0	5,927		
						241	0		

### **GENERAL COMMENTS**

1425 Minutes @ 100% 15 Minutes @ 70 % Traffic

CONTRACTOR CERTIFICATION	material used a	n behalf of the contractor, I certify that this Report is complete and correct and all equipment and laterial used and work performed during this Reporting period are in compliance with the contract lans 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										PA	GE NO.	F	Page 165 of 279
CONTRACT NO		CONTRACT TI					CONTRACTOR			RE	PORT NO.		
W91278-14-D CHARACTER O		Maintenance I		of Mob			Dutra Dredging Con	npany		DA	ATE		99
REPORT	-	X  MAINTEN	NANCE		NEW V	VORK	T				09/16/2014		
DRED	GE		PER CAP:			4487 CY	AVG VOL OF BIN WA	TER:	4487 CY	AVG L	JNFILLED CAP	:	0 CY
Stuyv	esant	NO. OF CF MEMBER			DREDG	E	OTHER PLANT	WORK SC	HEDULE	SHIFT	S PER DAY	DA	YS PER WEEK
LOCATIO	ON OF	LOCATION CH	IANNEL	REAC	22 H DREDG	SED; STA	<u>2</u> TO STA	DISPOSAL A	AREA USE				7 JLATIVE AND QTY
	ORK Mobile Hark			Sta 20	0+00 to 2	30+00	Open Watr Cell 1,and 2			GROSS	S(CY) 11,854	DEP	OSIT FOR DA(CY) 47,416
		AVG LENGTH	OF CUT			3000 FT	AVG WIDTH OF CUT		200 FT	AVG D	DIST TO DUMP		41 NM
CHARAC	TER OF	DENSITY OF M	ATERIALS	1					1.45	GMS/LI	ITER		1.45
MATER		DENSITY OF W	ATER						1.0060	GMS/LI	ITER@		91 °F
RIVER/	TIDE	MIN	0.00	TIME		00:00	MAX 0.0	TIME	00:00	GAGE	LOCATION NO	: AAC	State Docks
STAC		MIN	0.00	TIME	•	00:00	MAX 0.0	) TIME	00:00	GAGE	DATUM NA	Α	
WEATHER C	ONDITION	WEATHER					TEMP	VISIBILITY		WIND			
		Weather Caus	sed No Del	ay			72 °F / 91 °F	10 MI		22 MP			
		DRAFT						DISTRIBUT	AGITA		MILES RUN  DREDGE 8	<del></del>	MILES RUN
	LIGHT		LOADED				(MIN)				HAUL (MIN		(NAUT MI)
FORWARD		17				24					T		
AFT		29				29	PUMPING:			00:00		0:40	0.0
DRAG DEPTH	MAX 0		MIN	1 0			TURNING:			00:00		0:00	0.0
INDICATORS LAST CHECKED ON 09/13/2014						TO DUMP:  CONNECTING:			00:00	-	0:48	0.0	
					DUMPING:			00:00		0:14	0.0		
LOADING	ED OF DREDGE			T/MIN		0	DISCONNECTING:			00:00		0:00	0.0
AVERAGE SPER AGITATING	ED OF DREDGE	DURING	F	T/MIN		0	TO CUT:			00:00		1:48	0.0
GALLONS OF F	UEL OIL CONSU	JMED		GAL		7,686	TOTALS:			00:00	23	3:30	0.0
GALLONS OF V	ATER CONSUN	/IED		GAL		1,500	NON-EFFECTIVE WC	RKING TIME:					
	,	WORK PERFORI	MED				TAKING ON FUEL AN	D SUPPLIES		00:00	00	0:00	0.0
	DREDGING A	ND HAULING			AGIT	ATING	TO AND FROM WHAP ANCHORAGE:	RF OR		00:00	00	0:00	0.0
NO.OF LOADS 4	TOTAL CYS 11,854		AL AREA 1 & 2			L CYS	LOSS DUE TO NATUI ELEMENTS:	RAL		00:00	00	0:00	0.0
							LOSS DUE TO TRAFF BRIDGES	IC AND		00:00	00	0:00	0.0
							MINOR OPERATING	REPAIRS		00:00	00	0:30	0.0
							TRANSFERRING BET WORKS	WEEN		00:00	00	0:00	0.0
		ATTENDANT PL	ANT	I			LAY TIME:			00:00	00	0:00	0.0
IT	EM	NAME OF	R NUMBER	2	H.P.	HOURS	FIRE AND BOAT DRII	LS:		00:00	00	0:00	0.0
40' Cre	w Boat	Cape	Anne		400	12:00	MISCELLANEOUS			00:00	00	0:00	0.0
							TOTALS			00:00	00	0:30	0.0
					LOST TIME:								
			MAJOR REPAIRS AN ALTERNATIONS	<i>.</i>		00:00	00	0:00	0.0				
							CESSATION:			00:00		0:00	0.0
							COLLISIONS:			00:00	-	0:00	0.0
							TOTALS:			00:00		0:00	0.0
							TOTAL TIME/MILES:			00:00	24	4:00	0.0

		QUALITY CONTROL	REPORT-HOPPER	DREDGE		PAGE NO.	Page 166 of 279	
CONTRACT NO	).	CONTRACT TITLE	CONTRACT	OR		REPORT NO.		
W91278-14-D	-0041 0001	Maintenance Dredging of Mobile Harbor	Dutra Dredgi	ng Company	99			
DREDGE		NAME AND TYPE Stuyvesant			<b>DATE</b> 09/16/2014			
		•	LOADS					
LOAD NUMBER		DREDGING AREA DISPOSAL AREA	START TIME STOP TIME	PUMPING TURNING	DUN	DUMP MPING CUT	TOTAL TIME DREDGED AMOUNT AGITATED AMOUNT	
			(HH:MM)	(MIN)		ΛIN)	(MIN/CYS)	
1	1 Sta 200+00 to 230+00 Cell 1 & 2		00:00	1		115	121	
			00:01	0		5	0	
						0	0	
2	Sta 200+00 to	230+00	02:31	19		267	544	
	Cell 1 & 2		02:50	0		5	5,927	
					:	253	0	
3	Sta 200+00 to	230+00	11:35	19		266	546	
· ·	Cell 1 & 2		11:54	0		4	5,927	
	001142				:	257	0	
4	Sta 200+00 to	230+00	20:41	1		0	199	
•	Cell 1 & 2		20:42	0		0	0	
						198	0	

### **GENERAL COMMENTS**

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

CONTRACTOR CERTIFICATION	material used a	n behalf of the contractor, I certify that this Report is complete and correct and all equipment and aterial used and work performed during this Reporting period are in compliance with the contract ans and specifications, to the best of my knowledge, except as noted above.										
QC REPRESENTATIVE'S SIGNATURE		DATE	SUPERINTENDENT'S INITIALS	DATE								

			ALITY	OL REPO	ORT-HOPPER DREDGE				PAGE NO. Page 167 of 279				
CONTRACT NO		CONTRACT TI					CONTRACTOR			RE	PORT NO.		<u> </u>
W91278-14-D CHARACTER O		Maintenance I	Oredging o	of Mobi	ile Harbo	r	Dutra Dredging Comp	any			ATE		100
REPORT	·r	X MAINTEN	NANCE		NEW V	WORK			Ī		09/17/2014		
DRED	GE	HOPF	PER CAP:			4487 CY	AVG VOL OF BIN WAT	ER:	4487 CY	AVG l	JNFILLED CAP:	:	0 CY
Stuyv	esant	NO. OF CF MEMBEF			DREDG 22	iΕ	OTHER PLANT	WORK SCH	HEDULE	SHIFT	rs per day	DA	YS PER WEEK
LOCATIO WOF		LOCATION CH	IANNEL		H DREDG	GED; STA	TO STA	DISPOSAL A Open Water ( 1,and 2		QTY D GROS			JLATIVE AND QTY OSIT FOR DA(CY) 65,197
		AVG LENGTH	OF CUT	•			AVG WIDTH OF CUT		200 FT	AVG [	DIST TO DUMP		41 NM
CHARAC		DENSITY OF MATERIALS							1.45	GMS/L	ITER		1.45
MATER	RIAL	DENSITY OF W	ATER					1.0060 GMS/			ITER@		91 °F
RIVER/		MIN	0.00	TIME		00:00	MAX 0.00	TIME	00:00	GAGE	LOCATION NO	AAC	State Docks
STAC	<b>3</b> E	MIN	0.00	TIME		00:00	MAX 0.00	TIME	00:00	GAGE	DATUM NA	4	
WEATHER C	ONDITION	WEATHER Weather Caus	sed No Del	21/			TEMP 70 °F / 90 °F	VISIBILITY 10 MI		WIND 12 MP	н		
		DRAFT	3CU 140 DCI	шу			70 1 7 30 1	•	•		MILES RUN		
	LIGHT		LOADED					NG	DREDGE 8 HAUL (MIN		MILES RUN (NAUT MI)		
FORWARD		17				24	EFFECTIVE WORKING				( )		
AFT		29				29	PUMPING:			00:00	00	):54	0.0
DRAG DEPTH	MAX 0		MIN	1 0			TURNING:			00:00	00	0:00	0.0
INDICATORS	A OT OUTOUED	2011					TO DUMP:			00:00	13	3:40	0.0
INDICATORS LAST CHECKED ON 09/13/2014					CONNECTING:			00:00	00	0:00	0.0		
	ED OF DREDGE	DURING	F	T/MIN		0	DUMPING:			00:00	00	):12	0.0
	ED OF DREDGE	DURING	F	T/MIN		0	DISCONNECTING:			00:00	00	0:00	0.0
AGITATING GALLONS OF F	UEL OIL CONSU	JMED		GAL		6 174	TO CUT:			00:00		3:12	0.0
GALLONS OF V	VATER CONSUN	MED		GAL		1,500	TOTALS:			00:00	22	2:58	0.0
		NODK BEDEODI	AED.			1,500	NON-EFFECTIVE WOR				Τ	_	
		WORK PERFORI	WIED.		4017	4.TING	TAKING ON FUEL AND TO AND FROM WHARF			00:00		0:00	0.0
NO.OF LOADS	TOTAL CYS	AND HAULING	AL AREA			L CYS	ANCHORAGE: LOSS DUE TO NATURA			00:00		0:00	0.0
3	17,781		1 & 2			0	ELEMENTS: LOSS DUE TO TRAFFI			00:00		0:00	0.0
							BRIDGES			00:00		1:02	0.0
							MINOR OPERATING R TRANSFERRING BETV			00:00		0:00	0.0
							WORKS			00:00		0:00	0.0
		ATTENDANT PL	ANT			_	LAY TIME:	2		00:00		0:00	0.0
IT	EM	NAME OF	RNUMBER	₹	H.P.	HOURS	FIRE AND BOAT DRILL MISCELLANEOUS	-5:		00:00		0:00	0.0
40' Cre	w Boat	Cape	Anne		400	12:00	TOTALS			00:00		1:02	0.0
					LOST TIME:			00.00		.02	0.0		
					MAJOR REPAIRS AND			00:00	00	0:00	0.0		
				ALTERNATIONS CESSATION:			00:00		0:00	0.0			
				COLLISIONS:			00:00		0:00	0.0			
							TOTALS:			00:00		0:00	0.0
							TOTAL TIME/MILES:			00:00		1:00	0.0
						Į							

		QUALITY CONTRO	L REPORT-HOPPER	DREDGE		PAGE NO. Page 168 of 279			
CONTRACT NO	).	CONTRACT TITLE	CONTRACT	OR		REPORT NO.			
W91278-14-D	-0041 0001	Maintenance Dredging of Mobile Harbor	Dutra Dredg	ing Company		100			
DREDGE		NAME AND TYPE Stuyvesant				<b>DATE</b> 09/17/2014			
		-	LOADS			-			
LOAD NUMBER		DREDGING AREA DISPOSAL AREA	START TIME STOP TIME	PUMPING TURNING	DUI	DUMP MPING CUT	TOTAL TIME DREDGED AMOUNT AGITATED AMOUNT		
			(HH:MM)	(MIN)		ЛIN)	(MIN/CYS)		
1	Sta 200+00 to	230+00	00:00	17		293	362		
	Cell 1 & 2		00:17	0		5	5,927		
						47	0		
2	Sta 200+00 to	230+00	06:02	18		271	502		
	Cell 1 & 2		06:20	0		5	5,927		
						208	0		
3	Sta 200+00 to	230+00	15:26	19		256	514		
	Cell 1 & 2		15:45	0		2	5,927		
						237	0		

### **GENERAL COMMENTS**

1378 Minutes @ 100% 62 Minutes @ 70 % Traffic

CONTRACTOR CERTIFICATION	material used a	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							

			QUA	LITY	CONTR	OL REPO	ORT-HOPPER DREDO	GE		PA	AGE NO.	F	Page 169 of 279
CONTRACT NO		CONTRACT TI	TLE				CONTRACTOR			RE	PORT NO.		
W91278-14-D CHARACTER O		Maintenance I	Oredging o	of Mobi	ile Harbo	r	Dutra Dredging Comp	oany					101
REPORT	T.	X MAINTEN	IANCE		NEW V	WORK					ATE 09/18/2014		
DRED	GE	HOPF	ER CAP:			4487 CY	AVG VOL OF BIN WAT	ΓER:	4487 CY	AVG L	JNFILLED CAP:	:	0 CY
Stuyv	esant	NO. OF CF MEMBEF			DREDG 22	iΕ	OTHER PLANT	WORK SCI	HEDULE	SHIFT	rs per day	DA	YS PER WEEK
LOCATION		LOCATION CH	IANNEL	REAC	H DREDO	SED; STA	TO STA	DISPOSAL A Open Water		QTY DI GROS			JLATIVE AND QTY OSIT FOR DA(CY)
		Mobile Harbor		Sta 20	0+00 to 2	30+00 & 1		1,and 2		17,781 82,978			
		AVG LENGTH	OF CUT			3000 FT	AVG WIDTH OF CUT		200 FT	AVG E	DIST TO DUMP		41 NM
CHARACT MATER		DENSITY OF M	ATERIALS						1.45	GMS/LI	iTER ————		1.45
WATER	NAL .	DENSITY OF W	ATER						1.0060	ITER@		91 °F	
RIVER/		MIN	0.00	TIME		00:00	MAX 0.00	TIME	00:00	GAGE	LOCATION NO	AAC	State Docks
STAC	jE	MIN	0.00	TIME		00:00	MAX 0.00	TIME	00:00	GAGE	DATUM NA	4	
WEATHER C	ONDITION	WEATHER Weather Caus	od No Dol	2)/			TEMP 72 °F / 88 °F	VISIBILITY 10 MI		WIND 31 MPH			
		DRAFT	sed No Dei	ay			72 F/00 F	•	•		MILES RUN		
	LIGHT		LOADED					NG )	DREDGE & HAUL (MIN		MILES RUN (NAUT MI)		
FORWARD		17				24	EFFECTIVE WORKING						
AFT		29				29	PUMPING:			00:00	01	1:31	0.0
DRAG DEPTH	MAX 0		MIN	0			TURNING:			00:00	00	):07	0.0
INDICATORS	ACT CHECKED	NI 00/40/00					TO DUMP:			00:00	11	1:01	0.0
INDICATORS LAST CHECKED ON 09/13/2014					CONNECTING:			00:00	00	0:00	0.0		
AVERAGE SPE	ED OF DREDGE	DURING	F	T/MIN		0	DUMPING:			00:00	00	):25	0.0
	ED OF DREDGE	DURING	F	T/MIN		0	DISCONNECTING:			00:00	00	0:00	0.0
AGITATING GALLONS OF F	UEL OIL CONSU	JMED		GAL		6,006	TO CUT:			00:00		):56	0.0
GALLONS OF W	VATER CONSUM	MED		GAL		1,500	TOTALS:			00:00	24	1:00	0.0
		WORK PERFORM	/ED			1,000	NON-EFFECTIVE WOF				T		
		ND HAULING	nLD		AGIT	ATING	TAKING ON FUEL AND TO AND FROM WHARI			00:00		0:00	0.0
NO.OF LOADS	TOTAL CYS		AL AREA			L CYS	ANCHORAGE: LOSS DUE TO NATUR			00:00		0:00	0.0
4	17,781	Cell	1 & 2		(	0	ELEMENTS: LOSS DUE TO TRAFFI			00:00		0:00	0.0
							BRIDGES MINOR OPERATING R	EDAIDS		00:00		0:00	0.0
							TRANSFERRING BETV			00:00		0:00	0.0
							WORKS LAY TIME:			00:00		0:00	0.0
		ATTENDANT PL	ANT			1	FIRE AND BOAT DRILI	LS:		00:00		0:00	0.0
IT	EM	NAME OF	NUMBER	₹	H.P.	HOURS	MISCELLANEOUS			00:00		0:00	0.0
40' Cre	w Boat	Cape	Anne		400	12:00	TOTALS		00:00	OC	0:00	0.0	
					LOST TIME:		<u> </u>						
				MAJOR REPAIRS AND ALTERNATIONS			00:00	00	0:00	0.0			
			CESSATION:			00:00	00	0:00	0.0				
							COLLISIONS:			00:00	OC	0:00	0.0
							TOTALS:			00:00	00	0:00	0.0
							TOTAL TIME/MILES:			00:00	24	1:00	0.0

		QUALITY CONTROL	REPORT-HOPPER	DREDGE		PAGE NO.	Page 170 of 279
CONTRACT NO	).	CONTRACT TITLE	REPORT NO	).			
W91278-14-D	0-0041 0001	Maintenance Dredging of Mobile Harbor	Dutra Dredgi	ng Company			101
DREDGE		NAME AND TYPE Stuyvesant			<b>DATE</b> 09/18/2014		
			LOADS			-	
LOAD NUMBER		DREDGING AREA DISPOSAL AREA	START TIME STOP TIME	PUMPING TURNING	DUI	DUMP MPING CUT	TOTAL TIME DREDGED AMOUNT AGITATED AMOUNT
			(HH:MM)	(MIN)	1)	ЛIN)	(MIN/CYS)
1	Sta 200+00 to 2	230+00	00:00	1		0	15
	Cell 1 & 2		00:01	0		14	0
						0	0
2	Sta 200+00 to 2	230+00	00:15	36		279	576
	Cell 1 & 2		00:58	7		6	5,927
						248	0
3	Sta 200+00 to 2	230+00	09:51	19		279	557
	Cell 1 & 2		10:10	0		5	5,927
						254	0
4	Sta 1100+00 to	1180+00	19:08	35		103	292
	Cell 1 & 2		19:43	0		0	5,927
						154	0

**GENERAL COMMENTS** 

CONTRACTOR CERTIFICATION	material used a	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										PA	AGE NO.	F	Page 171 of 279	
CONTRACT NO		CONTRACT TI						RACTOR			RE	PORT NO.		
W91278-14-D CHARACTER O		Maintenance I		of Mob			Dutra	Dredging Comp	any			ATE	—	102
REPORT		X MAINTEN	NANCE		NEW V	VORK	ı					09/19/2014		
DRED	GE		PER CAP:			4487 CY	AVG VOL OF BIN WATER: 4487 CY			AVG (	JNFILLED CAP	<b>'</b> :	0 CY	
Stuyv	esant	NO. OF CF MEMBEF			DREDG 22	E	ОТН	IER PLANT	WORK SCI	HEDULE	SHIFT	rs per day 2	DA	AYS PER WEEK
LOCATIO		LOCATION CH	IANNEL	REAC	EACH DREDGED; STA T				DISPOSAL A Open Water		QTY D	EPOSITED		JLATIVE AND QTY OSIT FOR DA(CY)
WOF	KK.	Mobile Harbor		Sta 1100+00 to 1180+00			ı		1,and 2	Jell		23,708		106,686
		AVG LENGTH	OF CUT			8000 FT	AVG W	IDTH OF CUT		200 FT	AVG E	DIST TO DUMP	1	24 NM
CHARACT	TER OF	DENSITY OF M	ATERIALS	;						1.45	GMS/L	ITER		1.45
MATER	RIAL	DENSITY OF W	ATER							1.0060	GMS/L	ITER@		87 °F
RIVER/TIDE STAGE			0.00	TIME		00:00	MAX	0.00	TIME	00:00	GAGE	LOCATION N	OAA	East Fowl River
MIN			0.00	TIME		00:00	MAX	0.00	TIME	00:00		DATUM N	Α	
WEATHER CONDITION Weather Caused No Delay			lav			TEMP	°F / 87 °F	VISIBILITY 10 MI		WIND 14 MP	Н			
DRAFT							73	1 7 07 1	•	ION OF TIM		MILES RUN		
	LIGHT	LOADED								AGITA (MIN		DREDGE (		MILES RUN (NAUT MI)
FORWARD		17				24	EFFECTIVE WORKING TIME: (MIN)				N)	HAUL (WIII)	1)	(NAOT WII)
AFT		29 29					PUMPIN	IG:			00:00	0	2:11	0.0
DRAG DEPTH	MAX 0		MIN	I 0			TURNIN	IG:			00:00	0	0:00	0.0
DIAG DEL III WAX 0 WIIIV 0						TO DUM	IP:			00:00	1	0:46	0.0	
INDICATORS LAST CHECKED ON 09/13/2014						CONNE	CTING:			00:00	0	0:00	0.0	
AVERAGE SPE	D OF DREDGE	DURING	F.	T/MIN			DUMPIN	NG:			00:00	0	0:25	0.0
LOADING AVERAGE SPE				T/MIN		0	DISCON	INECTING:			00:00	0	0:00	0.0
AGITATING GALLONS OF F				GAL		0	TO CUT:			00:00	1/	0:06	0.0	
GALLONS OF V						6,216	TOTALS:		00:00	2	3:28	0.0		
GALLONS OF V	VATER CONSUM	//ED		GAL		1,500	NON-EF	FECTIVE WOR	KING TIME:					
	<u>'</u>	WORK PERFORI	MED				TAKING	ON FUEL AND	SUPPLIES		00:00	0	0:00	0.0
		ND HAULING				ATING	ANCHO				00:00	0	0:00	0.0
NO.OF LOADS 5	TOTAL CYS 23,708		AL AREA 1 & 2			L CYS D	ELEMEN				00:00	0	0:00	0.0
							LOSS D BRIDGE	UE TO TRAFFICES	CAND		00:00	0	0:00	0.0
								OPERATING RI			00:00	0	0:32	0.0
							TRANSF WORKS	FERRING BETW	VEEN		00:00	0	0:00	0.0
		ATTENDANT PL	ANT				LAY TIM	1E:			00:00	0	0:00	0.0
IT	EM	NAME OF	R NUMBER	₹	H.P.	HOURS	FIRE AN	ND BOAT DRILL	.S:		00:00	0	0:00	0.0
40' Cre	w Boat	Cape	Anne		400	12:00	MISCEL	LANEOUS			00:00	0	0:00	0.0
							TOTALS	3			00:00	0	0:32	0.0
					LOST TI									
					REPAIRS AND IATIONS			00:00	0	0:00	0.0			
				CESSAT	ΓΙΟΝ:			00:00	0	0:00	0.0			
							COLLIS	IONS:			00:00	0	0:00	0.0
							TOTALS				00:00	0	0:00	0.0
						TOTAL	TIME/MILES:			00:00	2	4:00	0.0	

		QUALITY CONTRO	L REPORT-HOPPER	DREDGE		PAGE NO.	Page 172 of 279	
CONTRACT NO	<u> </u>	CONTRACT TITLE	CONTRACT	OR		REPORT NO		
W91278-14-E		Maintenance Dredging of Mobile Harbor	Dutra Dredgi			KEI OKI NO	102	
DREDGE		NAME AND TYPE Stuyvesant				<b>DATE</b> 09/19/2014		
			LOADS					
LOAD NUMBER		DREDGING AREA DISPOSAL AREA	START TIME STOP TIME (HH:MM)	PUMPING TURNING (MIN)	DUN TO	DUMP MPING CUT MIN)	TOTAL TIME DREDGED AMOUNT AGITATED AMOUNT (MIN/CYS)	
1	Sta 1100+00 to	1180+00	00:00	1	ì	52	59	
	Cell 1 & 2		00:01	0		6	0	
						0	0	
2	Sta 1100+00 to	1180+00	00:59	35		161	350	
	Cell 1 & 2		01:34	0		6	5,927	
						148	0	
3	Sta 1100+00 to	1180+00	06:49	32		130	316	
	Cell 1 & 2		07:21	0		7	5,927	
						147	0	
4	Sta 1100+00 to	1180+00	12:37	34		153	351	
	Cell 1 & 2		13:11	0		6	5,927	
						158	0	
5	Sta 1100+00 to	1180+00	18:28	29		150	332	
	Cell 1 & 2		18:57	7 0		0	5,927	
						153	0	

## QC NARRATIVE(S)

### **GENERAL COMMENTS**

1408 Minutes @ 100% 32 Minutes @ 0 % Minor Repairs

CONTRACTOR CERTIFICATION	material used a	and work performed during t	is Report is complete and correct a his Reporting period are in complia knowledge, except as noted above.	nnce with the contract
QC REPRESENTATIVE'S SIGNATURE		DATE	SUPERINTENDENT'S INITIALS	DATE

	QUALITY CONTROL REPORT-HOPPER DREDGE									P	AGE NO.	F	Page 173 of 279
CONTRACT NO	).	CONTRACT TI	TLE				CONTRACTOR			RI	EPORT NO.		<u> </u>
W91278-14-D		Maintenance I	Dredging o	f Mobi	ile Harbo	r	Dutra Dredging Comp	oany					103
CHARACTER C REPORT	)F	X MAINTEN	NANCE		NEW \	WORK					<b>ATE</b> 09/20/2014		
DRED	OGE	HOPE	PER CAP:			4487 CY	AVG VOL OF BIN WAT	ΓER:	4487 CY	AVG	UNFILLED CAP	<b>&gt;</b> :	0 CY
Stuyv	resant	NO. OF CF MEMBER			DREDG	iΕ	OTHER PLANT	WORK SC	HEDULE	SHIF	TS PER DAY	DA	YS PER WEEK
		LOCATION O	IANINITI	DEAG	22	DED. OTA	2	DISPOSAL A	REA USE	OTYL	2 DEPOSITED	CUML	7 JLATIVE AND QTY
LOCATION WOR		LOCATION CH		REACH DREDGED; STA Sta 1100+00 to 1180+00			10514	Open Water 1,and 2			S(CY)		OSIT FOR DA(CY)
		Mobile Harbor  AVG LENGTH	•	8000 FT			AVG WIDTH OF CUT	T,anu Z	200 FT	AVG	23,708 <b> </b> DIST TO DUMP		130,394 24 NM
		DENSITY OF M	ATERIALS					1.45	GMS/L			1.45	
CHARAC MATE		DENSITY OF W									ITER@		87 °F
											-		
	RIVER/TIDE STAGE			TIME		00:00	MAX 0.00	TIME	00:00	GAGE	LOCATION N	OAA E	East Fowl River
MIN			0.00	TIME		00:00	MAX 0.00	TIME	00:00		DATUM N	Α	
WEATHER C	ONDITION	WEATHER Weather Caus	sed No Dels	av			TEMP 73 °F / 84 °F	WIND 16 MF	эн				
DRAFT							76 1 761 1	10 MI  DISTRIBUT	ION OF TIM		MILES RUN		<del>,</del>
	LIGHT		LOADED						AGITAT		DREDGE		MILES RUN
FORWARD	2.0	17	LONDED			24	EFFECTIVE WORKING	S TIME:	(MIN	N)	HAUL (MIN	1)	(NAUT MI)
AFT		29				29	PUMPING:			00:00	0	2:21	0.0
DRAG DEPTH	MAX 0		0			TURNING:			00:00	0	0:00	0.0	
						TO DUMP:			00:00	0	9:47	0.0	
INDICATORS LAST CHECKED ON 09/13/2014						CONNECTING:			00:00	0	00:00	0.0	
AVERAGE SPE	ED OF DREDGE	DURING	FT	/MIN		0	DUMPING:			00:00	0	0:21	0.0
LOADING AVERAGE SPE	ED OF DREDGE	DURING	FT	/MIN			DISCONNECTING:			00:00	0	00:00	0.0
AGITATING GALLONS OF F	UEL OIL CONSU	IMED		GAL		0	то сит:			00:00	0	9:33	0.0
	VATER CONSUM			GAL		9,492	TOTALS:		00:00	2	2:02	0.0	
0.120.10 0				0,		1,500	NON-EFFECTIVE WOR	RKING TIME:	1				
	,	WORK PERFORI	MED				TAKING ON FUEL AND			00:00	0	0:00	0.0
NO OF LOADS		AND HAULING				ATING	TO AND FROM WHAR ANCHORAGE:			00:00	0	0:00	0.0
NO.OF LOADS 5	TOTAL CYS 23,708		AL AREA 1 & 2			L CYS 0	LOSS DUE TO NATUR ELEMENTS:			00:00	0	0:00	0.0
							LOSS DUE TO TRAFFI BRIDGES	C AND		00:00	0	1:08	0.0
							MINOR OPERATING R			00:00	0	0:50	0.0
							TRANSFERRING BET\ WORKS	WEEN		00:00	0	0:00	0.0
		ATTENDANT PL	ANT				LAY TIME:			00:00	0	0:00	0.0
IT	EM	NAME OF	R NUMBER		H.P.	HOURS	FIRE AND BOAT DRILI	LS:		00:00	0	0:00	0.0
40' Cre	ew Boat	Cape	Anne		400	12:00	MISCELLANEOUS			00:00	0	0:00	0.0
		Сиро				12.00	TOTALS			00:00	0	1:58	0.0
						LOST TIME:							
					MAJOR REPAIRS AND ALTERNATIONS			00:00	0	0:00	0.0		
							CESSATION:			00:00	0	00:00	0.0
							COLLISIONS:			00:00	0	00:00	0.0
							TOTALS:			00:00	0	00:00	0.0
							TOTAL TIME/MILES:			00:00	2	4:00	0.0

		QUALITY CONTRO	L REPORT-HOPPER	DREDGE		PAGE NO.	Page 174 of 279	
CONTRACT NO	).	CONTRACT TITLE	CONTRACT	OR		REPORT NO		
W91278-14-E		Maintenance Dredging of Mobile Harbor	Dutra Dredgi				103	
DREDGE		NAME AND TYPE Stuyvesant				<b>DATE</b> 09/20/2014	ļ	
			LOADS					
LOAD NUMBER		DREDGING AREA DISPOSAL AREA	START TIME STOP TIME (HH:MM)	PUMPING TURNING (MIN)	DUN TO	DUMP MPING CUT MIN)	TOTAL TIME DREDGED AMOUNT AGITATED AMOUNT (MIN/CYS)	
1	Sta 1100+00 to	1180+00	00:00	1		11	16	
	Cell 1 & 2		00:01	0		4	0	
						0	0	
2	Sta 1100+00 to	1180+00	00:16	30		170	359	
	Cell 1 & 2		00:46	0		6	5,927	
						153	0	
3	Sta 1100+00 to	1180+00	06:15	40		166	354	
	Cell 1 & 2		06:55	0		6	5,927	
						142	0	
4	Sta 1100+00 to	1180+00	12:29	34		143	323	
	Cell 1 & 2		13:03	0		5	5,927	
						141	0	
5	Sta 1100+00 to	1180+00	18:42	36		97	270	
	Cell 1 & 2		19:18	19:18 0		0	5,927	
						137	0	

### QC NARRATIVE(S)

# **GENERAL COMMENTS**

1322 Minutes @ 100%

68 Minutes @ 70% Traffic 50 Minutes @ 0 % Minor Repairs

CONTRACTOR CERTIFICATION	material used a	n behalf of the contractor, I certify that this Report is complete and correct and all equipment and laterial used and work performed during this Reporting period are in compliance with the contract lans and specifications, to the best of my knowledge, except as noted above.										
QC REPRESENTATIVE'S SIGNATURE		DATE	SUPERINTENDENT'S INITIALS	DATE								

		-	QUA	ALITY	CONTR	OL REPO	ORT-HOPPER DREDG	PA	PAGE NO. Page 175 of 279					
CONTRACT NO W91278-14-D		CONTRACT TI Maintenance I		of Mobi	ilo Harbo	•	CONTRACTOR  Dutra Dredging Comp	RI	EPORT NO.		404			
CHARACTER O		X   MAINTEN			NEW V		Dutta Dreaging Comp	oarry			ATE		104	
REPORT					] 14544 4						09/21/2014			
DRED		NO. OF CF	ER CAP:	4487 CY			AVG VOL OF BIN WAT		4487 CY		UNFILLED CAP		0 CY	
Stuyv	esant	MEMBER		DREDGE 22			OTHER PLANT 2	WORK SCH	HEDULE	SHIF	TS PER DAY 2	DA	AYS PER WEEK 7	
LOCATIO		LOCATION CH	IANNEL					DISPOSAL A		QTY D	EPOSITED		ULATIVE AND QTY OSIT FOR DA(CY)	
WOR	RK	Mobile Harbor		Sta 11	00+00 to	1180+00		Open Water of 1,and 2	Cell	GNOS	23,708	DLF	154,102	
		AVG LENGTH	OF CUT			8000 FT	AVG WIDTH OF CUT		200 FT	AVG I	DIST TO DUMP	)	24 NM	
CHARACT		DENSITY OF M	ATERIALS	;					1.45	GMS/L	ITER		1.45	
MATER	RIAL	DENSITY OF W	ATER						1.0060	GMS/L	ITER@		87 °F	
	RIVER/TIDE MIN			TIME		00:00	MAX 0.00	TIME	00:00	GAGE	LOCATION N	OAA	East Fowl River	
STAC	GE .	MIN	0.00	TIME		00:00	MAX 0.00	TIME	00:00	GAGE	DATUM N	A		
WEATHER C	ONDITION	WEATHER					TEMP	VISIBILITY		WIND				
	Weather Caused No Delay  DRAFT						69 °F / 89 °F	10 MI		9 MPH				
		DRAFI						DISTRIBUT			DREDGE (	2.	MILES RUN	
	LIGHT		LOADED				AGITATING (MIN)				HAUL (MIN		(NAUT MI)	
FORWARD		17				24	EFFECTIVE WORKING TIME:				00:00 02:22 0.0			
AFT		29				29	PUMPING:						0.0	
DRAG DEPTH MAX 0 MIN 0					TURNING:			00:00		0:00	0.0			
INDICATORS LA	AST CHECKED C	ON 09/13/20 <sup>-</sup>	14				TO DUMP:			00:00		0:58	0.0	
							CONNECTING:			00:00		0:00	0.0	
AVERAGE SPEE	ED OF DREDGE	DURING	F	T/MIN		0	DUMPING:			00:00		0:25	0.0	
AVERAGE SPEE	D OF DREDGE	DURING	F	T/MIN		0	DISCONNECTING:			00:00		0:00	0.0	
	UEL OIL CONSU	JMED		GAL		6,384	TO CUT:			00:00		0:04	0.0	
GALLONS OF W	ATER CONSUM	1ED		GAL		1,500	NON-EFFECTIVE WOR	00:00		3:49	0.0			
	\	WORK PERFORI	MED				TAKING ON FUEL AND			00:00		0:00	0.0	
	DREDGING A	ND HAULING			AGIT	ATING	TO AND FROM WHARF			00:00		0:00	0.0	
NO.OF LOADS	TOTAL CYS		AL AREA			L CYS	ANCHORAGE: LOSS DUE TO NATURA	AL		00:00		0:00	0.0	
5	23,708	Cell	1 & 2			0	ELEMENTS: LOSS DUE TO TRAFFI	CAND		00:00	+	0:11	0.0	
							BRIDGES MINOR OPERATING R	EPAIRS		00:00		0:00	0.0	
							TRANSFERRING BETV	VEEN		00:00	0	0:00	0.0	
		ATTENDANT DI					WORKS LAY TIME:			00:00	0	0:00	0.0	
		ATTENDANT PL		_		l	FIRE AND BOAT DRILL	.S:		00:00	0	0:00	0.0	
	EM		NUMBER	₹	H.P.	HOURS	MISCELLANEOUS			00:00	0	0:00	0.0	
40' Cre	w Boat	Cape	Anne		400	12:00	TOTALS			00:00	0	0:11	0.0	
						LOST TIME:		<u> </u>		1				
					MAJOR REPAIRS AND ALTERNATIONS			00:00	0	0:00	0.0			
				CESSATION:			00:00	0	0:00	0.0				
							COLLISIONS:			00:00	0	0:00	0.0	
							TOTALS:			00:00	0	0:00	0.0	
							TOTAL TIME/MILES:			00:00	2	4:00	0.0	

		QUALITY CONTRO	L REPORT-HOPPER	DREDGE		PAGE NO.	Page 176 of 279
CONTRACT NO	D.	CONTRACT TITLE	CONTRACT	OR		REPORT NO	
W91278-14-E		Maintenance Dredging of Mobile Harbor	Dutra Dredgi				104
DREDGE		NAME AND TYPE Stuyvesant				<b>DATE</b> 09/21/2014	ļ
			LOADS				
LOAD NUMBER		DREDGING AREA DISPOSAL AREA	START TIME STOP TIME (HH:MM)	PUMPING TURNING (MIN)	DUN TO	DUMP MPING CUT MIN)	TOTAL TIME DREDGED AMOUNT AGITATED AMOUNT (MIN/CYS)
1	Sta 1100+00 to	1180+00	00:00	1	Ì	62	69
	Cell 1 & 2		00:01	0		6	0
						0	0
2	Sta 1100+00 to	1180+00	01:09	37		152	343
	Cell 1 & 2		01:46	0		7	5,927
						147	0
3	Sta 1100+00 to	1180+00	07:03	32		156	345
	Cell 1 & 2		07:35	0		6	5,927
						151	0
4	Sta 1100+00 to	1180+00	12:48	39		145	343
	Cell 1 & 2		13:27	0		6	5,927
						153	0
5	Sta 1100+00 to	1180+00	18:31	33		143	329
	Cell 1 & 2		19:04	0	0 0		5,927
						153	0

# QC NARRATIVE(S)

### **GENERAL COMMENTS**

1429 Minutes @ 100% 11 Minutes @ 70% Traffic

CONTRACTOR CERTIFICATION	material used a	n behalf of the contractor, I certify that this Report is complete and correct and all equipment and aterial used and work performed during this Reporting period are in compliance with the contract 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										PA	AGE NO.	F	Page 177 of 279	
CONTRACT NO		CONTRACT TI						TRACTOR			RE	EPORT NO.		
W91278-14-D CHARACTER O		Maintenance I		of Mob			Dutra	Dredging Comp	pany		D/	ATE	—	105
REPORT		X  MAINTEN	NANCE		NEW V	VORK	ı					09/22/2014		
DRED	GE		PER CAP:			4487 CY	AVG V	OL OF BIN WAT	ER:	4487 CY	AVG I	UNFILLED CAP	<b>'</b> :	0 CY
Stuyv	esant	NO. OF CF MEMBEF			DREDG 22	E	OTH	HER PLANT	WORK SCI	HEDULE	SHIFT	TS PER DAY	DA	AYS PER WEEK
LOCATIO		LOCATION CH	IANNEL	REAC		SED; STA	TO STA		DISPOSAL A Open Water		QTY D GROS	EPOSITED		JLATIVE AND QTY OSIT FOR DA(CY)
WOF	(K	Mobile Harbor		Sta 1100+00 to 1180+00			ı		1,and 2	Cell		23,708		177,810
		AVG LENGTH	OF CUT			8000 FT	AVG W	IDTH OF CUT		200 FT	AVG [	DIST TO DUMP	1	24 NM
CHARACT	TER OF	DENSITY OF M	ATERIALS	;						1.45	GMS/L	ITER		1.45
MATER	RIAL	DENSITY OF W	ATER							1.0060	GMS/L	ITER@		87 °F
RIVER/TIDE STAGE			0.00	TIME		00:00	MAX	0.00	TIME	00:00	GAGE	LOCATION N	OAA	East Fowl River
		MIN	0.00	TIME		00:00	MAX	0.00	TIME	00:00		DATUM N	Α	
WEATHER CONDITION WEATHER Weather Caused No Dela			av			TEMP 68	3°F/87°F	VISIBILITY 10 MI		WIND 20 MP	H			
DRAFT								. , , , .	•	ION OF TIM		MILES RUN		
	LIGHT	LOADED								AGITA		DREDGE (		MILES RUN (NAUT MI)
FORWARD		17				24	EFFECTIVE WORKING TIME: (MIN)				<del>\</del> ,	T I/ CC (WIII	•/	(IV/IOT IVII)
AFT		29 29					PUMPIN	NG:			00:00	0	2:21	0.0
DRAG DEPTH	MAX 0		MIN	1 0			TURNIN	NG:			00:00	0	0:00	0.0
						TO DUN	ИP:			00:00	0	8:39	0.0	
INDICATORS LAST CHECKED ON 09/13/2014						CONNE	CTING:			00:00	0	0:00	0.0	
AVERAGE SPE	ED OF DREDGE	DURING	F	T/MIN		0	DUMPIN	NG:			00:00	0	0:23	0.0
LOADING AVERAGE SPE	ED OF DREDGE	DURING	F	T/MIN			DISCON	NNECTING:			00:00	0	0:00	0.0
AGITATING GALLONS OF F	UEL OIL CONSU	JMED		GAL			то сит:			00:00	1	0:17	0.0	
GALLONS OF V	VATER CONSUN	MED.		GAL		2,499	TOTALS:		00:00	2	1:40	0.0		
				0, 12		1,500	NON-EF	FECTIVE WOR	KING TIME:	T				
	<u>'</u>	WORK PERFORI	MED					ON FUEL AND			00:00	0	0:00	0.0
NO OF LOADS		AND HAULING				ATING	ANCHO				00:00	0	0:00	0.0
NO.OF LOADS 5	TOTAL CYS 23,708		AL AREA 1 & 2			L CYS	ELEMEI				00:00	0	0:00	0.0
							BRIDGE	OUE TO TRAFFICES	CAND		00:00	0	0:10	0.0
								OPERATING RE			00:00	0	0:00	0.0
							WORKS	FERRING BETW	VEEN		00:00	0	0:00	0.0
		ATTENDANT PL	ANT				LAY TIN	⁄IE:			00:00	0	0:00	0.0
IT	ЕМ	NAME OF	R NUMBER	₹	H.P.	HOURS	FIRE AN	ND BOAT DRILL	.S:		00:00	0	0:00	0.0
40' Cre	w Boat	Cape	Anne		400	12:00		LANEOUS			00:00		2:10	0.0
					TOTALS				00:00	0:	2:20	0.0		
					LOST T	IME:								
				ALTERN	NATIONS			00:00		0:00	0.0			
							CESSA				00:00		0:00	0.0
							COLLISIONS:			00:00		0:00	0.0	
							TOTALS				00:00		0:00	0.0
							IOIAL	TIME/MILES:			00:00	2	4:00	0.0

QUALITY CONTROL REPORT-HOPPER DREDGE							PAGE NO. Page 178 of 279			
							REPORT NO.			
W91278-14-E	0-0041 0001	Maintenance Dredging of Mobile Harbor	Dutra Dredg	ing Company	105					
DREDGE		NAME AND TYPE Stuyvesant					<b>DATE</b> 09/22/2014			
			LOADS			-				
LOAD NUMBER		DREDGING AREA DISPOSAL AREA	START TIME STOP TIME (HH:MM)	PUMPING TURNING (MIN)	DUM TO	DUMP MPING CUT MIN)	TOTAL TIME DREDGED AMOUNT AGITATED AMOUNT (MIN/CYS)			
1 Sta 1100+00		o 1180+00	00:00	1		11	18			
	Cell 1 & 2		00:01	0		6 0	0			
2 Sta 1100+00 to 1180+00		o 1180+00	00:18	33		151	344			
	Cell 1 & 2		00:51	0		6 154	5,927 0			
3	Sta 1100+00 t	o 1180+00	06:02	32		155	333			
Ü	Cell 1 & 2		06:34	0		5 141	5,927 0			
4	Sta 1100+00 t	o 1180+00	11:35	40		143	359			
·	Cell 1 & 2		12:15	0		6 170	5,927 0			
5	Sta 1100+00 to	o 1180+00	19:44	35	59		246			
	Cell 1 & 2		20:19	0		0 152	5,927 0			

## QC NARRATIVE(S)

### **GENERAL COMMENTS**

1300 Minutes @ 100%

10 Minutes @ 70% 130 Minutes @ 0 % Minor Repairs -- ABS

CONTRACTOR CERTIFICATION	material used a	contractor, I certify that this Report is complete and correct and all equipment and nd work performed during this Reporting period are in compliance with the contract fications, to the best of my knowledge, except as noted above.					
QC REPRESENTATIVE'S SIGNATURE		DATE	SUPERINTENDENT'S INITIALS	DATE			

			QUA	LITY	CONTR	OL REPO	ORT-HOPPER DRED	GE		P	AGE NO.	F	Page 179 of 279	
CONTRACT NO. CONTRACT TITLE					CONTRACTOR			RI	EPORT NO.					
W91278-14-D-0041 0001 Maintenance Dredging of Mobile Harbor					Dutra Dredging Com	oany		_			106			
CHARACTER O REPORT	F	X MAINTEN	NANCE		] NEW \	WORK					<b>ATE</b> 09/23/2014			
DRED	GE	HOPF	PER CAP:			4487 CY	AVG VOL OF BIN WA	ΓER:	4487 CY	AVG	UNFILLED CAF	<b>&gt;</b> :	0 CY	
Stuyv	esant	NO. OF CF MEMBEF			DREDGE		OTHER PLANT WORK		CHEDULE SI		TS PER DAY	DA	YS PER WEEK	
		LOCATION CHANNEL REAC			22		2	2 DISPOSAL AREA		SE QTY DEPOSITED		2 7 CUMULATIVE AND QTY		
LOCATIO WOF					CH DREDGED; STA T		10514	Open Water	Open Water Cell 1,and 2		GROSS(CY)		DEPOSIT FOR DA(CY)	
		Mobile Harbor   Sta 11  AVG LENGTH OF CUT			1180+00 to 1260+00 8000 FT		AVG WIDTH OF CUT	T,and 2	200 FT	23,708 AVG DIST TO DUMP		 >	201,518 23 NM	
		DENSITY OF MATERIALS				1 45			GMS/LITER 1.4			1.45		
CHARAC <sup>*</sup> MATER										ITER@	—	84 °F		
		DENSITY OF WATER			1.0060									
RIVER/ STAG		MIN	0.00	TIME		00:00	MAX 0.00 TIME 00:00		GAGE	LOCATION N	OAA I	East Fowl River		
		MIN	0.00	TIME		00:00	MAX 0.00		00:00		DATUM N	IA 		
WEATHER C	ONDITION	WEATHER Weather Caus	ed No Dela	av			TEMP 62 °F / 84 °F	VISIBILITY 10 MI	VISIBILITY WIND 10 MI 15 MPH					
		DRAFT	004 110 1000	<i></i>			02 1 7 0 1 1	•	ION OF TIM		MILES RUN		<del>,</del>	
	LIGHT		LOADED						AGITAT		DREDGE		MILES RUN	
FORWARD		17 24 EFFECTIVE WORKING TIME:				(MIN)	N)	HAUL (MIN	N)	(NAUT MI)				
AFT		29				29	29 PUMPING:			00:00	0	02:34	0.0	
DRAG DEPTH						TURNING:		00:00	0	00:00	0.0			
DIAG DEFTIT WAX 0 WIIN 0				TO DUMP:			00:00	1	0:57	0.0				
INDICATORS LAST CHECKED ON 09/13/2014					CONNECTING:			00:00	0	00:00	0.0			
AVERAGE SPE	ED OF DREDGE	DURING	FT	/MIN		0	DUMPING:			00:00	0	00:30	0.0	
LOADING AVERAGE SPEED OF DREDGE DURING		FT	/MIN			DISCONNECTING:			00:00	0	00:00	0.0		
AGITATING GALLONS OF F	UEL OIL CONSI	JMFD		GAL		0	TO CUT:			00:00	0	9:41	0.0	
GALLONS OF V				GAL		5,208	TOTALS:			00:00	2	23:42	0.0	
ONEEDING OF V				O/ LL		1,500	NON-EFFECTIVE WOR	RKING TIME:	1					
	,	WORK PERFORM	MED				TAKING ON FUEL AND			00:00	0	00:00	0.0	
NO OF LOADS		AND HAULING				ATING	TO AND FROM WHAR ANCHORAGE:			00:00	0	00:00	0.0	
NO.OF LOADS					L CYS 0	LOSS DUE TO NATUR ELEMENTS:			00:00	0	00:00	0.0		
							LOSS DUE TO TRAFFI BRIDGES	C AND		00:00	0	0:18	0.0	
							MINOR OPERATING R			00:00	0	00:00	0.0	
							TRANSFERRING BET\ WORKS	WEEN		00:00	0	00:00	0.0	
		ATTENDANT PL	ANT				LAY TIME:			00:00	0	00:00	0.0	
ITEM NAME OR NUMBER			H.P.	HOURS	FIRE AND BOAT DRIL	LS:		00:00	0	00:00	0.0			
40' Crew Boat		Cape	Anne		400	12:00	MISCELLANEOUS			00:00	0	00:00	0.0	
2 2.2 200.						1	TOTALS			00:00	0	0:18	0.0	
							LOST TIME:		1					
							MAJOR REPAIRS AND ALTERNATIONS			00:00	0	00:00	0.0	
							CESSATION:			00:00	0	00:00	0.0	
							COLLISIONS:			00:00	0	00:00	0.0	
							TOTALS:			00:00	0	00:00	0.0	
							TOTAL TIME/MILES:			00:00	2	24:00	0.0	

QUALITY CONTROL REPORT-HOPPER DREDGE						PAGE NO.		
	_					Page 180 of 279		
CONTRACT NO. CONTRACT TITLE			CONTRACT		REPORT N			
W91278-14-I	D-0041 0001	Maintenance Dredging of Mobile Harbor	Dutra Dredgi	ng Company		106		
DREDGE		NAME AND TYPE			DATE			
Stuyvesant					09/23/201	14		
			LOADS					
LOAD NUMBER		DREDGING AREA DISPOSAL AREA	START TIME STOP TIME	PUMPING TURNING	TO DUMP DUMPING TO CUT	TOTAL TIME DREDGED AMOUNT AGITATED AMOUNT		
			(HH:MM)	(MIN)	(MIN)	(MIN/CYS)		
1	Sta 1100+00 t	to 1180+00	00:00	1	87	94		
	Cell 1 & 2		00:01	0	6	0		
					0	0		
2	Sta 1180+00 t	to 1260+00	01:34	01:34 42		322		
	Cell 1 & 2		02:16	0	6	5,927		
					135	0		
3	Sta 1180+00 t	to 1260+00	07:14	40	158	340		
Cell 1 & 2			07:54	0	6	5,927		
	55 1 5.2				136	0		
4	Sta 1180+00 t	to 1260+00	12:54	33	134	318		
	Cell 1 & 2		13:27	0	6	5,927		
	55 1 5.2				145	0		
5	Sta 1180+00 t	to 1260+00	18:12	37	139	327		
· ·	Cell 1 & 2		18:49	0	6	5,927		
	00 1 0.2				145	0		
6	Sta 1180+00 t	to 1260+00	23:39	1	0	21		
-	Cell 1 & 2		23:40	0	0	0		
	33 3.2				20	0		

### **GENERAL COMMENTS**

1422 Minutes @ 100% 18 Minutes @ 70% Traffic

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						PA	AGE NO.	F	Page 181 of 279					
CONTRACT NO		CONTRACT TI						RACTOR			RE	PORT NO.		
W91278-14-D CHARACTER O		Maintenance I		of Mob			Dutra	Dredging Comp	any			ATE		107
REPORT	•	X MAINTEN	NANCE		NEW V	VORK						09/24/2014		
DRED	GE		PER CAP:			4487 CY	AVG VC	OL OF BIN WAT	ER:	4487 CY	AVG l	JNFILLED CAP	<b>'</b> :	0 CY
Stuyv	esant	NO. OF CF MEMBER			DREDG 22	E	OTH	ER PLANT 2	WORK SCI	HEDULE	SHIFT	rs per day 2	DA	YS PER WEEK
LOCATIO		LOCATION CH	IANNEL	REAC	H DREDG	SED; STA	TO STA		DISPOSAL A Open Water		QTY D			JLATIVE AND QTY OSIT FOR DA(CY)
WOF	(K	Mobile Harbor		Sta 11	80+00 to	1260+00			1,and 2	Jell		23,708		225,226
		AVG LENGTH	OF CUT			8000 FT	AVG W	IDTH OF CUT		200 FT	AVG E	DIST TO DUMP	•	22 NM
CHARAC	TER OF	DENSITY OF M	ATERIALS	;						1.45	GMS/L	ITER		1.45
MATER	RIAL	DENSITY OF W	ATER							1.0060	GMS/L	ITER@		84 °F
RIVER/ STAC		MIN	0.00	TIME		00:00	MAX	0.00	TIME	00:00	GAGE	LOCATION N	OAA	East Fowl River
	_	MIN	0.00	TIME		00:00	MAX	0.00	TIME	00:00		DATUM N	A	
WEATHER C	ONDITION	WEATHER Weather Caus	sed No Del	av			TEMP 68	°F / 84 °F	VISIBILITY 10 MI		WIND 25 MP	Н		
		DRAFT	3CG 140 DC	шу			- 00	1 / 04 1	•	ION OF TIM		MILES RUN		
	LIGHT		LOADED							AGITA (MIN		DREDGE (		MILES RUN (NAUT MI)
FORWARD	-	17				24	EFFECT	IVE WORKING	TIME:	(IVIII	N)	TIAOL (MIN	4)	(NAOT WII)
AFT		29				29	PUMPIN	IG:			00:00	0	2:16	0.0
DRAG DEPTH	MAX 0		MIN	1.0			TURNIN	G:			00:00	0	00:00	0.0
							TO DUM	IP:			00:00	0	9:35	0.0
INDICATORS LA	AST CHECKED (	ON 09/13/20 <sup>-</sup>	14				CONNE	CTING:			00:00	0	00:00	0.0
AVERAGE SPE	ED OF DREDGE	DURING	F	T/MIN			DUMPIN	IG:			00:00	0	0:24	0.0
LOADING AVERAGE SPE	ED OF DREDGE	DURING	F	T/MIN		0	DISCON	INECTING:			00:00	0	00:00	0.0
AGITATING	UEL OIL CONSU	IMED		GAL		0	TO CUT	:			00:00	0	9:15	0.0
	VATER CONSUN			GAL		6,888	TOTALS	i:			00:00	2	1:30	0.0
0/1220110 01 1				0,12		1,500	NON-EF	FECTIVE WOR	KING TIME:					
	<u>'</u>	WORK PERFORI	MED					ON FUEL AND			00:00	0	0:00	0.0
NO OF LOADS		AND HAULING	AL ADEA		AGITA		ANCHO				00:00	0	0:00	0.0
NO.OF LOADS 4	TOTAL CYS 23,708		AL AREA 1 & 2			L CYS	ELEMEN				00:00	0	0:00	0.0
							BRIDGE	UE TO TRAFFIO S	J AND		00:00	0	0:00	0.0
								OPERATING RE			00:00	0	0:00	0.0
							WORKS	FERRING BETW	VEEN		00:00	0	0:00	0.0
		ATTENDANT PL	ANT				LAY TIM	IE:			00:00	0	0:00	0.0
IT	EM	NAME OF	R NUMBER	₹	H.P.	HOURS		ID BOAT DRILL	.S:		00:00		0:00	0.0
40' Cre	w Boat	Cape	Anne		400	12:00		LANEOUS			00:00		2:30	0.0
							TOTALS				00:00	0:	2:30	0.0
							LOST TI	ME: REPAIRS AND						
							ALTERN	ATIONS			00:00		0:00	0.0
							CESSAT				00:00		0:00	0.0
							COLLISI				00:00		0:00	0.0
							TOTALS				00:00		0:00	0.0
							IOIAL	ΓΙΜΕ/MILES:			00:00	2	4:00	0.0

		QUALITY CONTRO	L REPORT-HOPPER	DREDGE		PAGE NO.	Page 182 of 279
CONTRACT NO	).	CONTRACT TITLE	CONTRACT	OR		REPORT NO	
W91278-14-E	0-0041 0001	Maintenance Dredging of Mobile Harbor	Dutra Dredgi	ng Company			107
DREDGE		NAME AND TYPE Stuyvesant				<b>DATE</b> 09/24/2014	
			LOADS			•	
LOAD NUMBER		DREDGING AREA DISPOSAL AREA	START TIME STOP TIME	PUMPING TURNING	DUI TO	DUMP MPING CUT	TOTAL TIME DREDGED AMOUNT AGITATED AMOUNT
	Sta 1180+00 to	1260+00	(HH:MM) 00:00	(MIN) 34		MIN) 145	(MIN/CYS) 313
1	Cell 1 & 2	3 1250+00	00:34	0		6	5,927 0
2	Sta 1180+00 to	o 1260+00	05:13	36		152	340
-	Cell 1 & 2		05:49	0		6 146	5,927 0
3	Sta 1180+00 to	0 1260+00	10:53	37		134	315
Ü	Cell 1 & 2		11:30	0		6 138	5,927 0
4	Sta 1180+00 to	0 1260+00	16:08	29		144	322
	Cell 1 & 2		16:37	0		6 143	5,927 0

#### **GENERAL COMMENTS**

1290 Minutes @ 100% 150 Minutes @ 0% Minor Repairs -- Hopper Doors

CONTRACTOR CERTIFICATION	material used an	nd work performed during t	is Report is complete and correct a his Reporting period are in complia knowledge, except as noted above.	nce with the contract
QC REPRESENTATIVE'S SIGNATURE		DATE	SUPERINTENDENT'S INITIALS	DATE

QUALITY CONTROL REPORT-HOPPER DREDGE						F	PAGE NO.	ſ	Page 183 of 279					
CONTRACT NO		CONTRACT TI					CONTRACTOR				F	REPORT NO.		
W91278-14-D		Maintenance I	Dredging of	f Mobi	ile Harbo	r	Dutra Dredging Cor	mpa	any					108
CHARACTER C REPORT	)F	X MAINTEN	NANCE		] NEW \	WORK						OATE 09/25/2014		
DRED	OGE	HOPF	PER CAP:			4487 CY	AVG VOL OF BIN W	/ATI	ER:	4487 CY	AVG	UNFILLED CA	νP:	0 CY
Stuyv	resant	NO. OF CF MEMBER			DREDG	E	OTHER PLANT		WORK SCI	HEDULE	SHIF	TS PER DAY	DA	AYS PER WEEK
		LOCATION CH	JANNEL	DEAC	22	GED; STA	2		DISPOSAL A	REA USE	QTY	DEPOSITED		7 ULATIVE AND QTY
LOCATIO WOF		Mobile Harbor					10514		Open Water 1,and 2	Cell		SS(CY)	DEP	OSIT FOR DA(CY) 225,226
		AVG LENGTH		Sta 11	80+00 to	1260+00 8000 FT	AVG WIDTH OF CU	IT	i,anu z	200 FT	AVG	DIST TO DUM		225,226 22 NM
		DENSITY OF M	ATERIAI S							1.45	GMS/	/LITER		1.45
CHARAC <sup>*</sup> MATEI		DENSITY OF W								1.0060		LITER@		84 °F
RIVER/ STAG		MIN	0.00	TIME		00:00	MAX 0.0	00	TIME	00:00	GAGI	E LOCATION	NOAA	East Fowl River
	-	MIN	0.00	TIME		00:00		00	TIME	00:00			NA	
WEATHER C	ONDITION	WEATHER Weather Caus	sed No Dels	av/			TEMP 66 °F / 82 °F		VISIBILITY 10 MI		WIND 18 M			
		DRAFT	304 140 2010	.y			00 1 7 02 1			ON OF TIM		D MILES RUN		<del>,</del>
	LIGHT		LOADED							AGITA		DREDGE		MILES RUN
FORWARD	2.0	17	20/1020			24	EFFECTIVE WORKIN	NG	TIME:	(MIN)	N)	HAUL (M	IIN)	(NAUT MI)
AFT		29				29	PUMPING:				00:0	0	00:00	0.0
DRAG DEPTH	MAX 0		<u> </u> MIN	0			TURNING:				00:0	0	00:00	0.0
DIWIG BEI III	1417.07. 0						TO DUMP:				00:0	0	00:00	0.0
INDICATORS LA	AST CHECKED (	ON 09/13/20 <sup>-</sup>	14				CONNECTING:				00:0	0	00:00	0.0
AVERAGE SPE	ED OF DREDGE	DURING	FT	/MIN		0	DUMPING:				00:0	0	00:00	0.0
LOADING AVERAGE SPE	ED OF DREDGE	DURING	FT	/MIN		0	DISCONNECTING:				00:0	0	00:00	0.0
AGITATING GALLONS OF F	UEL OIL CONSU	JMED		GAL			то сит:				00:0	0	00:00	0.0
	VATER CONSUM			GAL		4,284	TOTALS:				00:0	0	00:00	0.0
0.120.100.1				0, 1,2		1,500	NON-EFFECTIVE WO	ORI	KING TIME:					
	•	WORK PERFORI	MED				TAKING ON FUEL AN				00:0	0	00:00	0.0
NO OF LOADS		AND HAULING	AL ADEA			ATING	TO AND FROM WHA ANCHORAGE:				00:0	0	00:00	0.0
NO.OF LOADS	TOTAL CYS	DISPOS	AL AREA		IOIA	L CYS	LOSS DUE TO NATU ELEMENTS:				00:0	0	00:00	0.0
							LOSS DUE TO TRAF BRIDGES	·FIC	AND		00:0	0	00:00	0.0
							MINOR OPERATING				00:0	0	24:00	0.0
							TRANSFERRING BE WORKS	TW	/EEN		00:0	0	00:00	0.0
		ATTENDANT PL	ANT				LAY TIME:				00:0	0	00:00	0.0
IT	EM	NAME OF	R NUMBER		H.P.	HOURS	FIRE AND BOAT DRI	ILL	S:		00:0	0	00:00	0.0
40' Cre	ew Boat	Cape	Anne		400	12:00	MISCELLANEOUS				00:0	0	00:00	0.0
							TOTALS				00:0	0	24:00	0.0
							LOST TIME:							
							MAJOR REPAIRS AN ALTERNATIONS	ND			00:0	0	00:00	0.0
							CESSATION:				00:0	0	00:00	0.0
							COLLISIONS:				00:0	0	00:00	0.0
							TOTALS:				00:0	0	00:00	0.0
							TOTAL TIME/MILES:	:			00:0	0	24:00	0.0

	QUALITY CONTROL REPORT-HOPPER DREDGE				PAGE NO. Page 184 of 27				
ONTRACT NO.	CONTRACT TITL		CONTRACT		REP	ORT NO.	<u> </u>		
W91278-14-D-0041 0001		dging of Mobile Harbo	Dutra Dredg	ing Company			108		
DREDGE	NAME AND TYPE Stuyvesant				<b>DATI</b> 09/	E /25/2014			
C NARRATIVE(S) GENERAL COMMENTS 1440 Minutes @ 0% M		opper Doors				25/2014			
ONTRACTOR CERTIFICA		on behalf of the cont	tractor, I certify that th	is Report is complete	and correct an	d all equipm	nent and		
C REPRESENTATIVE'S SI	р	naterial used and wo lans and specification DATE	ons, to the best of my	this Reporting period knowledge, except as SUPERINTENDENT'S	noted above.	DATE	contract		

	QUALITY CONTROL REPORT-HOPPER DREDGE							PA	AGE NO.	F	Page 185 of 279		
CONTRACT NO		CONTRACT TI		- 6 M - L-		_	CONTRACTOR			RE	PORT NO.		
W91278-14-D CHARACTER O		Maintenance I		of Mob			Dutra Dredging Comp	pany		DA	ATE	—	109
REPORT	•	X MAINTEN	NANCE		NEW V	VORK					09/26/2014		
DRED	GE		PER CAP:			4487 CY	AVG VOL OF BIN WAT	ER:	4487 CY	AVG (	JNFILLED CAP	:	0 CY
Stuyv	esant	NO. OF CF MEMBEF			DREDG 22	E	OTHER PLANT	WORK SCH	HEDULE	SHIFT	rs per day	DA	YS PER WEEK
LOCATIO		LOCATION CH	IANNEL	REAC	H DREDO	SED; STA		DISPOSAL A Open Water (		QTY D GROS			JLATIVE AND QTY OSIT FOR DA(CY)
1101	VIV.	Mobile Harbor		Sta 11	80+00 to	1260+00	T	1,and 2			0		225,226
		AVG LENGTH	OF CUT			8000 FT	AVG WIDTH OF CUT		200 FT	AVG E	DIST TO DUMP		22 NM
CHARAC		DENSITY OF M	ATERIALS	3					1.45	GMS/L	ITER		1.45
MATER	RIAL	DENSITY OF W	ATER						1.0060	GMS/L	ITER@		84 °F
RIVER/ STAC		MIN	0.00	TIME		00:00	MAX 0.00	TIME	00:00	GAGE	LOCATION NO	AAC	East Fowl River
SIAC	<b>JL</b>	MIN	0.00	TIME		00:00	MAX 0.00	TIME	00:00	GAGE	DATUM NA	4	
WEATHER C	ONDITION	WEATHER	and No Dol	lau.			TEMP	VISIBILITY		WIND			
		Weather Cause  DRAFT	sea No Dei	lay			66 °F / 82 °F	DISTRIBUT		13 MP E AND	MILES RUN		
	LIGHT		LOADED						AGITATI		DREDGE 8		MILES RUN
FORWARD		17	LONDED			24	EFFECTIVE WORKING	TIME:	(MIN)	)	HAUL (MIN	)	(NAUT MI)
AFT		29				29	PUMPING:			00:00	00	0:00	0.0
DRAG DEPTH	MAX 0		L MIN	ι ο			TURNING:			00:00	00	0:00	0.0
DRAG DEPTH	IVIAX U		IVIIIN	1 0			TO DUMP:			00:00	0(	0:00	0.0
INDICATORS LA	AST CHECKED (	ON 09/13/20	14				CONNECTING:			00:00	00	0:00	0.0
AVERAGE SPE	D OF DREDGE	DURING	F	T/MIN			DUMPING:			00:00	00	0:00	0.0
LOADING	D OF DREDGE			T/MIN		0	DISCONNECTING:			00:00	00	0:00	0.0
AGITATING	UEL OIL CONSU		·	GAL		0	TO CUT:			00:00	00	0:00	0.0
				GAL		3,612	TOTALS:			00:00	00	0:00	0.0
GALLONS OF V	VATER CONSUM	/IED		GAL		1,500	NON-EFFECTIVE WOR	KING TIME:					
	<u>'</u>	WORK PERFORI	MED				TAKING ON FUEL AND	SUPPLIES		00:00	00	0:00	0.0
		ND HAULING				ATING	TO AND FROM WHARP ANCHORAGE:	OR		00:00	00	0:00	0.0
NO.OF LOADS	TOTAL CYS	DISPOS	AL AREA		TOTA	L CYS	LOSS DUE TO NATURA ELEMENTS:	AL		00:00	00	0:00	0.0
							LOSS DUE TO TRAFFI BRIDGES	C AND		00:00	00	0:00	0.0
							MINOR OPERATING R			00:00	24	4:00	0.0
							TRANSFERRING BETV WORKS	VEEN		00:00	00	0:00	0.0
		ATTENDANT PL	ANT				LAY TIME:			00:00	00	0:00	0.0
IT	EM	NAME OF	R NUMBER	₹	H.P.	HOURS	FIRE AND BOAT DRILL	.S:		00:00	00	0:00	0.0
40' Cre	w Boat	Cape	Anne		400	12:00	MISCELLANEOUS			00:00	00	0:00	0.0
							TOTALS			00:00	24	4:00	0.0
							LOST TIME:						
							MAJOR REPAIRS AND ALTERNATIONS			00:00	00	0:00	0.0
							CESSATION:			00:00	00	0:00	0.0
							COLLISIONS:			00:00	00	0:00	0.0
							TOTALS:			00:00	00	0:00	0.0
							TOTAL TIME/MILES:			00:00	24	4:00	0.0

		QUALITY CO	NTROL REPORT-	HOPPER DREDGE		PAGE NO. Page 186 of 27				
CONTRACT NO.	CONTRACT T	ITLE	С	ONTRACTOR		REPORT NO.				
W91278-14-D-0041 0001		Dredging of Mobile	<b>Harbor</b> D	utra Dredging Compar	ny		109			
DREDGE	NAME AND TY Stuvvesant	PE				<b>DATE</b> 09/26/2014				
QC NARRATIVE(S) GENERAL COMMENTS 1440 Minutes @ 0% M	Stuyvesant  //inor Repairs	Hopper Doors				09/26/2014				
ONTRACTOR CERTIFICA		material used ar plans and specif	nd work performed fications, to the be	l during this Repo st of my knowledo	is complete and corre rting period are in cor ge, except as noted ab	npliance with the	ment and e contract			
C REPRESENTATIVE'S S	ICNATURE	1.	DATE	1	NTENDENT'S INITIALS	DATE				

	QUALITY CONTROL REPORT-HOPPER DREDGE							PA	GE NO.	F	Page 187 of 279		
CONTRACT NO		CONTRACT TI					CONTRACTOR			RE	PORT NO.		
W91278-14-D CHARACTER O		Maintenance I	Oredging o	of Mobi	ile Harbo	r	Dutra Dredging Comp	oany			TE.		110
REPORT	· · ·	X MAINTEN	IANCE		NEW V	VORK					09/27/2014		
DRED	GE	HOPF	ER CAP:			4487 CY	AVG VOL OF BIN WAT	TER:	4487 CY	AVG L	JNFILLED CAP:	:	0 CY
Stuyv	esant	NO. OF CF MEMBEF			DREDG 22	E	OTHER PLANT	WORK SCH	HEDULE	SHIFT	TS PER DAY DAYS PER WEEK		YS PER WEEK
LOCATIO WOR		LOCATION CH	IANNEL		H DREDG	3ED; STA	TO STA	DISPOSAL A Open Water ( 1,and 2		QTY DI GROSS			JLATIVE AND QTY OSIT FOR DA(CY) 225,226
		AVG LENGTH	OF CUT	Otta 11	0010010	8000 FT	AVG WIDTH OF CUT	1 /**	200 FT	AVG E	DIST TO DUMP		22 NM
CHARAC	TER OF	DENSITY OF M	ATERIALS	i					1.45	GMS/LI	TER		1.45
MATER	RIAL	DENSITY OF W	ATER						1.0060	GMS/LI	ITER@		84 °F
RIVER/		MIN	0.00	TIME		00:00	MAX 0.00	TIME	00:00	GAGE	LOCATION NO	I AAC	East Fowl River
STAC	jE	MIN	0.00	TIME		00:00	MAX 0.00	TIME	00:00	GAGE	DATUM NA	4	
WEATHER C	ONDITION	WEATHER Weather Caus	and No Dol	0.4			TEMP 64 °F / 82 °F	VISIBILITY 10 MI		WIND 13 MP			
		DRAFT	sed NO Dei	ay			04 1 / 62 1	•	•		MILES RUN		
	LIGHT		LOADED						AGITATI (MIN		DREDGE 8 HAUL (MIN		MILES RUN (NAUT MI)
FORWARD		17				24	EFFECTIVE WORKING	TIME:	(	,	(		( (
AFT		29				29	PUMPING:			00:00	00	0:00	0.0
DRAG DEPTH	MAX 0		MIN	1 0			TURNING:			00:00	00	0:00	0.0
INDICATORS L	AST CHECKED (	ON 00/40/00	1.4				TO DUMP:			00:00	00	0:00	0.0
INDICATORS LA	AST CHECKED (	ON 09/13/20 <sup>-</sup>	14				CONNECTING:			00:00	00	0:00	0.0
AVERAGE SPE	ED OF DREDGE	DURING	F	T/MIN		0	DUMPING:			00:00	00	0:00	0.0
	ED OF DREDGE	DURING	F	T/MIN		0	DISCONNECTING:			00:00	00	0:00	0.0
AGITATING GALLONS OF F	UEL OIL CONSU	JMED		GAL		2,142	TO CUT: TOTALS:			00:00		0:00	0.0
GALLONS OF V	VATER CONSUM	MED		GAL		1,500		OKING TIME:		00:00	00	0:00	0.0
		WORK PERFORI	MED.			,	NON-EFFECTIVE WOF			00:00	00	0:00	0.0
		ND HAULING			AGIT	ATING	TO AND FROM WHARI			00:00		0:00	0.0
NO.OF LOADS	TOTAL CYS		AL AREA			L CYS	ANCHORAGE: LOSS DUE TO NATUR	AL		00:00		0:00	0.0
							ELEMENTS: LOSS DUE TO TRAFFI	C AND		00:00		0:00	0.0
							BRIDGES MINOR OPERATING R	FPAIRS		00:00		1:00	0.0
							TRANSFERRING BETV			00:00		0:00	0.0
							WORKS LAY TIME:			00:00	00	0:00	0.0
		ATTENDANT PL				l	FIRE AND BOAT DRILI	_S:		00:00	00	0:00	0.0
	EM		NUMBER	2	H.P.	HOURS	MISCELLANEOUS			00:00	00	0:00	0.0
40' Cre	w Boat	Cape	Anne		400	12:00	TOTALS			00:00	24	1:00	0.0
							LOST TIME:						
							MAJOR REPAIRS AND ALTERNATIONS			00:00	00	0:00	0.0
							CESSATION:			00:00	00	0:00	0.0
							COLLISIONS:			00:00	00	0:00	0.0
							TOTALS:			00:00	00	0:00	0.0
							TOTAL TIME/MILES:			00:00	24	1:00	0.0

W91278-14-D-0041 0001 Mains	TRACT TITLE Intenance Dredging of Mobile Harbor E AND TYPE Vesant  epairs Hopper Doors	CONTRACTOR Dutra Dredging Co	ompany	DATE 09/27/2014	110
DREDGE Stuyv QC NARRATIVE(S) GENERAL COMMENTS	E AND TYPE vesant	Dutra Dredging C	ompany	DATE 09/27/2014	110
QC NARRATIVE(S) GENERAL COMMENTS	vesant			DATE 09/27/2014	
QC NARRATIVE(S) GENERAL COMMENTS					
CONTRACTOR CERTIFICATION  OC REPRESENTATIVE'S SIGNATI	On behalf of the contract material used and work plans and specifications.	performed during this , to the best of my kno	Reporting period are in o	compliance with the o	ent and contract

QUALITY CONTROL REPORT-HOPPER DREDGE						PA	GE NO.	F	Page 189 of 279					
CONTRACT NO		CONTRACT TI						RACTOR			RE	PORT NO.		
W91278-14-D		Maintenance I	Oredging o	of Mob			Dutra [	Dredging Comp	any			TE.		111
REPORT		X MAINTEN	NANCE		NEW V	VORK						09/28/2014		
DRED	GE		PER CAP:			4487 CY	AVG VO	L OF BIN WAT	ER:	4487 CY	AVG L	JNFILLED CAF	<b>'</b> :	0 CY
Stuyv	esant	NO. OF CF MEMBER			DREDG	E	OTH	ER PLANT	WORK SCI	HEDULE	SHIFT	S PER DAY	DA	AYS PER WEEK
LOCATIO	ON OF	LOCATION CH	IANNEL	REAC	22 H DREDG	SED; STA	TO STA	2	DISPOSAL A	REA USE				7 JLATIVE AND QTY
WOR		Mobile Harbor		Sta 11	80+00 to	1260+00			Open Water 1,and 2	Cell	GROSS	S(CY) 17,781	DEP	OSIT FOR DA(CY) 243,007
		AVG LENGTH	OF CUT			8000 FT	AVG WI	DTH OF CUT		200 FT	AVG D	DIST TO DUMP	,	22 NM
CHARACT	TER OF	DENSITY OF M	ATERIALS	3						1.45	GMS/LI	ITER		1.45
MATER		DENSITY OF W	ATER							1.0060	GMS/LI	ITER@		84 °F
RIVER/	TIDE	MIN	0.00	TIME		00:00	MAX	0.00	TIME	00:00	GAGE	LOCATION N	OAA	East Fowl River
STAC		MIN	0.00	TIME		00:00	MAX	0.00	TIME	00:00	GAGE	DATUM N		
WEATHER C	ONDITION	WEATHER					TEMP		VISIBILITY		WIND	<del></del>		
		Weather Caus	sed No Del	lay			73 '	°F / 81 °F	10 MI		14 MP			
		DRAFT							DISTRIBUT			MILES RUN	. 1	MILEO DUN
	LIGHT		LOADED							AGITA (MIN		DREDGE ( HAUL (MIN		MILES RUN (NAUT MI)
FORWARD		17				24		IVE WORKING	TIME:			1	<del></del>	
AFT		29				29	PUMPIN				00:00		1:56	0.0
DRAG DEPTH	MAX 0		MIN	I 0			TURNING				00:00		0:00	0.0
INDICATORS LA	AST CHECKED (	ON 09/13/20 <sup>-</sup>	14				TO DUM				00:00		6:20	0.0
							CONNEC				00:00		0:00	0.0
AVERAGE SPEE LOADING	D OF DREDGE	DURING	F	T/MIN		0		NECTING:			00:00		0:12	0.0
AVERAGE SPEE AGITATING	D OF DREDGE	DURING	F	T/MIN		0	TO CUT:				00:00		7:27	0.0
GALLONS OF F	UEL OIL CONSU	JMED		GAL		1,092	TOTALS				00:00		5:55	0.0
GALLONS OF W	ATER CONSUM	1ED		GAL		1,500		FECTIVE WOR	KING TIME:				5.00	
	,	WORK PERFORI	MED				TAKING	ON FUEL AND	SUPPLIES		00:00	0	0:00	0.0
	DREDGING A	ND HAULING			AGIT	ATING	TO AND ANCHOR	FROM WHARF	OR		00:00	0	0:00	0.0
NO.OF LOADS	TOTAL CYS 17,781		AL AREA 1 & 2			L CYS		JE TO NATURA	AL		00:00	0	0:00	0.0
	17,701	0011			· · · · · · · · · · · · · · · · · · ·	<u> </u>		JE TO TRAFFIC	CAND		00:00	0	0:12	0.0
								OPERATING RE	EPAIRS		00:00	0	7:53	0.0
							TRANSF WORKS	ERRING BETW	/EEN		00:00	0	0:00	0.0
		L ATTENDANT PL	ANT				LAY TIMI	E:			00:00	0	0:00	0.0
IT	EM	<u> </u>	R NUMBER	,	H.P.	HOURS	FIRE AN	D BOAT DRILL	S:		00:00	0	0:00	0.0
40' Cre			Anne	`	400	12:00	MISCELL	_ANEOUS			00:00	0	0:00	0.0
	w Boat	Оцрс	741110			12.00	TOTALS				00:00	0	8:05	0.0
							LOST TI							
							MAJOR F ALTERN	REPAIRS AND ATIONS			00:00	0	0:00	0.0
							CESSAT	ION:			00:00	0	0:00	0.0
							COLLISI	ONS:			00:00	0	0:00	0.0
							TOTALS				00:00	0	0:00	0.0
							TOTAL T	IME/MILES:			00:00	2	4:00	0.0

		QUALITY CONTRO	L REPORT-HOPPER	DREDGE		PAGE NO.	Page 190 of 279
CONTRACT NO	).	CONTRACT TITLE	CONTRACT	OR		REPORT NO.	
W91278-14-D	-0041 0001	Maintenance Dredging of Mobile Harbor	Dutra Dredg	ing Company			111
DREDGE		NAME AND TYPE Stuyvesant				<b>DATE</b> 09/28/2014	
			LOADS			•	
LOAD NUMBER		DREDGING AREA DISPOSAL AREA	START TIME STOP TIME	PUMPING TURNING	DUI	DUMP MPING CUT	TOTAL TIME DREDGED AMOUNT AGITATED AMOUNT
			(HH:MM)	(MIN)	,	MIN)	(MIN/CYS)
1	Sta 1180+00 t	o 1260+00	07:53	43		143	342
	Cell 1 & 2		08:36	0		6	5,927
						150	0
2	Sta 1180+00 t	o 1260+00	13:35	38		137	338
	Cell 1 & 2		14:13	0		6	5,927
						157	0
3	Sta 1180+00 t	o 1260+00	19:13	35		100	275
	Cell 1 & 2		19:48	0		0	5,927
						140	0

### **GENERAL COMMENTS**

955 Minutes @ 100% 12 Minutes @ 70% Traffic 473 Minutes @ 0% minor repairs -- hopper doors

CONTRACTOR CERTIFICATION	material used a	and work performed during t	is Report is complete and correct a his Reporting period are in complia knowledge, except as noted above.	ance with the contract
QC REPRESENTATIVE'S SIGNATURE		DATE	SUPERINTENDENT'S INITIALS	DATE

	OL REPO	RT-HOPE	PER DREDG	βE		PA	GE NO.	F	Page 191 of 279					
CONTRACT NO		CONTRACT TI					CONTR				RE	PORT NO.		
W91278-14-D CHARACTER O		Maintenance I		of Mob			Dutra Dr	redging Comp	any		DA	TE.		112
REPORT		X MAINTEN	IANCE		NEW V	VORK						09/29/2014		
DRED	GE		ER CAP:			4487 CY	AVG VOL	OF BIN WAT	ER:	4487 CY	AVG L	JNFILLED CAF	<b>'</b> :	0 CY
Stuyv	esant	NO. OF CF MEMBEF			DREDG	E	OTHE	R PLANT	WORK SCI	HEDULE	SHIFT	S PER DAY	DA	AYS PER WEEK
LOCATIO	ON OF	LOCATION CH	IANNEL	REAC	22 H DREDG	SED; STA	TO STA	2	DISPOSAL A					JLATIVE AND QTY
WOF	RK	Mobile Harbor		Sta 11	80+00 to	1260+00			Open Water 1,and 2	Cell	GROSS	23,708	DEP	OSIT FOR DA(CY) 266,715
		AVG LENGTH	OF CUT			8000 FT	AVG WID	TH OF CUT		200 FT	AVG D	DIST TO DUMP	j	22 NM
CHARAC	TER OF	DENSITY OF M	ATERIALS	1						1.45	GMS/LI	GMS/LITER		
MATER	RIAL	DENSITY OF W	ATER				1.0060 G				GMS/LI	ITER@		84 °F
RIVER/		MIN	0.00	TIME		00:00	MAX	0.00	TIME	00:00	GAGE	LOCATION N	OAA	East Fowl River
STAC	<b>SE</b>	MIN	0.00	TIME		00:00	MAX	0.00	TIME	00:00	GAGE	DATUM N	A	
WEATHER C	ONDITION	WEATHER					TEMP							
		Weather Caus	sed No Del	ay			73 °F / 86 °F   10 MI   13 MPH  DISTRIBUTION OF TIME AND MIL							
							AGITATIN					DREDGE	<u>.                                      </u>	MILES RUN
	LIGHT LOADED  17 STEELING TIME:				TIME:	(MIN)		HAUL (MIN	1)	(NAUT MI)				
FORWARD		DIMDING:					00:00	I 0	2:37	0.0				
AFT		Z9 Z9 TURNING:							00:00		0:00	0.0		
DRAG DEPTH	MAX 0	MIN 0					TO DUMP				00:00		9:57	0.0
INDICATORS LA	AST CHECKED (	ON 09/13/20	14				CONNECT				00:00		0:00	0.0
AV (50 A 05 005)		DI IDINIO		- a I			DUMPING				00:00		0:30	0.0
LOADING	ED OF DREDGE			T/MIN		0	DISCONNECTING:			00:00	0	0:00	0.0	
AGITATING	ED OF DREDGE		F	T/MIN		0	TO CUT:				00:00	1	0:48	0.0
GALLONS OF F	UEL OIL CONSU	JMED		GAL		7,478	TOTALS:				00:00	2	3:52	0.0
GALLONS OF V	ATER CONSUM	/IED		GAL		1,500	NON-EFFE	ECTIVE WOR	KING TIME:					
	\	WORK PERFORI	ИED				TAKING O	N FUEL AND	SUPPLIES		00:00	0	0:00	0.0
	DREDGING A	ND HAULING			AGIT	ATING	TO AND F	ROM WHARF	OR		00:00	0	0:00	0.0
NO.OF LOADS 6	TOTAL CYS 23,708	DISPOS. Cell	AL AREA 1 & 2			L CYS		TO NATURA	AL .		00:00	0	0:00	0.0
							LOSS DUE BRIDGES	TO TRAFFIC	CAND		00:00	0	0:08	0.0
							MINOR OF	PERATING RE	EPAIRS		00:00	0	0:00	0.0
							TRANSFE WORKS	RRING BETW	/EEN		00:00	0	0:00	0.0
		ATTENDANT PL	ANT				LAY TIME:	:			00:00	0	0:00	0.0
IT					HOURS	FIRE AND	BOAT DRILL	S:		00:00	0	0:00	0.0	
40' Cre					12:00	MISCELLA	ANEOUS			00:00	0	0:00	0.0	
						TOTALS				00:00	0	0:08	0.0	
						LOST TIM					ı	<del></del>		
						MAJOR REPAIRS AND ALTERNATIONS				00:00	0	0:00	0.0	
					CESSATION:			00:00		0:00	0.0			
				COLLISIONS:			00:00		0:00	0.0				
							TOTALS:			00:00		0:00	0.0	
					TOTAL TI	ME/MILES:			00:00	2	4:00	0.0		

						PAGE NO.	
		QUALITY CONTRO	L REPORT-HOPPER	DREDGE			Page 192 of 279
CONTRACT NO	<b>D.</b>	CONTRACT TITLE	CONTRACT	OR		REPORT NO	).
W91278-14-I	D-0041 0001	Maintenance Dredging of Mobile Harbor	Dutra Dredgi	ing Company			112
DREDGE		NAME AND TYPE				DATE	
DREDGE		Stuyvesant				09/29/2014	4
			LOADS				
LOAD NUMBER		DREDGING AREA DISPOSAL AREA	START TIME STOP TIME	PUMPING TURNING	DUN	DUMP MPING CUT	TOTAL TIME DREDGED AMOUNT AGITATED AMOUNT
			(HH:MM)	(MIN)	(N	ΛIN)	(MIN/CYS)
1	Sta 1180+00 to	0 1260+00	00:00	1		48	54
	Cell 1 & 2		00:01	0		5	0
						0	0
2	Sta 1180+00 to	1260+00	00:54	37		136	323
	Cell 1 & 2		01:31	0		7	5,927
						143	0
3	Sta 1180+00 to	1260+00	06:17	43		134	333
	Cell 1 & 2		07:00	0		6	5,927
						150	0
4	Sta 1180+00 to	1260+00	11:50	41		136	329
	Cell 1 & 2		12:31	0		6	5,927
						146	0
5	Sta 1180+00 to	1260+00	17:27	34		143	328
	Cell 1 & 2		18:01	0		6	5,927
						145	0
6	Sta 1180+00 to	1260+00	22:55	1		0	65
	Cell 1 & 2		22:56	0		0	0
						64	0
l	1			l	1		1

### **GENERAL COMMENTS**

1432 Minutes @ 100% 8 Minutes @ 70% Traffic

CONTRACTOR CERTIFICATION	material used and work	behalf of the contractor, I certify that this Report is complete and correct and all equipment and erial used and work performed during this Reporting period are in compliance with the contract as and specifications, to the best of my knowledge, except as noted above.    DATE   SUPERINTENDENT'S INITIALS   DATE												
QC REPRESENTATIVE'S SIGNATURE	DATE		SUPERINTENDENT'S INITIALS	DATE										

QUALITY CONTROL F							ORT-HOPPER DRED	3E		P	AGE NO.	F	Page 193 of 279
CONTRACT NO	).	CONTRACT TI	TLE				CONTRACTOR			RI	EPORT NO.		<u> </u>
W91278-14-D		Maintenance I	Oredging o	f Mob	ile Harbo	r	Dutra Dredging Comp	oany					113
CHARACTER O REPORT	)F	X MAINTEN	NANCE		NEW \	WORK					<b>ATE</b> 09/30/2014		
DRED	OGE	HOPE	ER CAP:			4487 CY	AVG VOL OF BIN WAT	TER:	4487 CY	AVG	UNFILLED CAF	ɔ:	0 CY
Stuyv	resant	NO. OF CF MEMBER			DREDG	iΕ	OTHER PLANT	WORK SC	HEDULE	SHIF	TS PER DAY	DA	YS PER WEEK
		LOCATION O	IANINITI	DEAG	22	DED. OTA	2	DISPOSAL A	REA USE	ОТУГ	2 DEPOSITED	СПМГ	7 JLATIVE AND QTY
LOCATIO WOF		LOCATION CH				GED; STA	10514	Open Water 1,and 2			SS(CY)		OSIT FOR DA(CY)
		Mobile Harbor  AVG LENGTH	•	Sta 11	80+00 to	1260+00 8000 FT	AVG WIDTH OF CUT	T,anu Z	200 FT	AVG	29,635   DIST TO DUMF	 >	296,350 22 NM
		DENSITY OF M	ATERIALS						1.45	GMS/L			1.45
CHARAC <sup>*</sup> MATER		DENSITY OF W									ITER@		84 °F
RIVER/ STAG		MIN	0.00	TIME		00:00	MAX 0.00	TIME	GAGE	LOCATION N	OAA I	East Fowl River	
		MIN	0.00	TIME		00:00	MAX 0.00		DATUM N	IA ———			
WEATHER C	ONDITION	WEATHER Weather Caus	sed No Dela	av			TEMP 71 °F / 86 °F	VISIBILITY 10 MI		WIND 12 MF	ЭН		
		DRAFT	304.10 20.0	<u>~</u>			, 66 .	•	ION OF TIN		MILES RUN		
	LIGHT		LOADED						AGITAT (MIN		DREDGE HAUL (MIN		MILES RUN (NAUT MI)
FORWARD	_	17				24	EFFECTIVE WORKING	TIME:	(IVIII)	N)	TIAOL (WIII	<u>v)</u>	(IVAOT IVII)
AFT	29					29	PUMPING:			00:00	O	3:54	0.0
DRAG DEPTH	MAX 0	) MIN 0					TURNING:			00:00	C	00:00	0.0
IN IDIO ATODO I	. OT OUE OUE D	-					TO DUMP:			00:00	0	08:56	0.0
INDICATORS LA	AST CHECKED (	ON 09/13/20 <sup>-</sup>	14				CONNECTING:			00:00	C	00:00	0.0
	ED OF DREDGE	DURING	FT	/MIN		0	DUMPING:			00:00	0	00:23	0.0
	ED OF DREDGE	DURING	FT	/MIN		0	DISCONNECTING:			00:00	0	00:00	0.0
AGITATING GALLONS OF F	UEL OIL CONSU	JMED		GAL		6,300	то сит:			00:00	0	9:51	0.0
GALLONS OF V	VATER CONSUM	ИED		GAL		1,500	TOTALS:			00:00	2	23:04	0.0
	•	WORK PERFORI	AED			1,500	NON-EFFECTIVE WOF		T		1	<del></del>	
			MED				TAKING ON FUEL AND TO AND FROM WHAR			00:00		00:00	0.0
NO.OF LOADS		AND HAULING	AL AREA			L CYS	ANCHORAGE:  LOSS DUE TO NATUR.			00:00	0	00:00	0.0
5	29,635		1 & 2			0	ELEMENTS:  LOSS DUE TO TRAFFI			00:00	0	00:00	0.0
							BRIDGES	CAND		00:00	0	00:11	0.0
							MINOR OPERATING R			00:00	0	00:00	0.0
							TRANSFERRING BET\ WORKS	WEEN		00:00	0	00:00	0.0
		ATTENDANT PL	ANT				LAY TIME:			00:00	0	00:00	0.0
IT	EM	NAME OF	NUMBER		H.P.	HOURS	FIRE AND BOAT DRILI	_S:		00:00	0	00:00	0.0
40' Cre	ew Boat	Cape	Anne		400	12:00	MISCELLANEOUS			00:00	0	00:45	0.0
							TOTALS			00:00	0	00:56	0.0
							LOST TIME:		1				
							MAJOR REPAIRS AND ALTERNATIONS			00:00	0	00:00	0.0
							CESSATION:			00:00	0	00:00	0.0
							COLLISIONS:			00:00	0	00:00	0.0
							TOTALS:			00:00	0	00:00	0.0
							TOTAL TIME/MILES:			00:00	2	24:00	0.0

		QUALITY CONTROL	REPORT-HOPPER	DREDGE		PAGE NO.	Page 194 of 279		
CONTRACT NO	o.	CONTRACT TITLE	CONTRACT	OR		REPORT N	o.		
W91278-14-I	D-0041 0001	Maintenance Dredging of Mobile Harbor	Dutra Dredgi	ing Company			113		
DREDGE		NAME AND TYPE Stuyvesant				<b>DATE</b> 09/30/2014			
			LOADS			•			
LOAD NUMBER		DREDGING AREA DISPOSAL AREA	START TIME STOP TIME	PUMPING TURNING	DUI	DUMP MPING CUT	TOTAL TIME DREDGED AMOUNT AGITATED AMOUNT		
			(HH:MM)	(MIN)		MIN)	(MIN/CYS)		
1	Sta 1180+00	to 1260+00	00:00	98		128	254		
	Cell 1 & 2		01:38	0		6	5,927		
						22	0		
2	Sta 1180+00	to 1260+00	04:25	32		99	270		
_	Cell 1 & 2		04:57	0		5	5,927		
	00					134	0		
3	Sta 1180+00	to 1260+00	09:40	32		137	330		
-	Cell 1 & 2		10:12	0		6	5,927		
	00					155	0		
4	Sta 1180+00	to 1260+00	15:10	41		153	342		
-	Cell 1 & 2		15:51	0		6	5,927		
						142	0		
5	Sta 1180+00	to 1260+00	20:52	31		19	188		
-	Cell 1 & 2		21:23	0		0	5,927		
						138	0		

# **GENERAL COMMENTS**

1384 Minutes @ 100%

11 Minutes @ 70% Traffic 45 Minutes @ 0% Slowed for Crew Boat

CONTRACTOR CERTIFICATION	material used a	behalf of the contractor, I certify that this Report is complete and correct and all equipment and terial used and work performed during this Reporting period are in compliance with the contract ns and specifications, to the best of my knowledge, except as noted above.											
QC REPRESENTATIVE'S SIGNATURE		DATE	SUPERINTENDENT'S INITIALS	DATE									

		-	ALITY	CONTR	OL REPO	ORT-HOPPER DREDG	SE .		PA	AGE NO.	ı	Page 195 of 279	
CONTRACT NO		CONTRACT TI					CONTRACTOR			RE	PORT NO.		
W91278-14-D-		Maintenance [		of Mobi			Dutra Dredging Comp	any		- I	ATE		114
REPORT	•	X MAINTEN	IANCE		NEW V	WORK					10/01/2014		
DRED	GE		ER CAP:			4487 CY	AVG VOL OF BIN WAT	ER:	4487 CY	AVG l	JNFILLED CAP	):	0 CY
Stuyve	esant	NO. OF CR MEMBER			DREDG 22	iΕ	OTHER PLANT	WORK SCH	HEDULE	SHIFT	rs per day 2	DA	AYS PER WEEK
LOCATIO		LOCATION CH	IANNEL	REAC		GED; STA		DISPOSAL A		QTY D	EPOSITED		JLATIVE AND QTY OSIT FOR DA(CY)
WOR	KK.	Mobile Harbor		Sta 11	80+00 to	1260+00	ı	1,and 2	Jell		0		296,350
		AVG LENGTH	OF CUT			8000 FT	AVG WIDTH OF CUT		200 FT	AVG DIST TO DUMP 22 NM			22 NM
CHARACT		DENSITY OF M	ATERIALS	;				1.45 GMS/LITER					1.45
MATER	RIAL	DENSITY OF W	ATER				1.0060 GMS/LITER@					84 °F	
RIVER/		MIN	0.00 TIME 00:00 MAX 0.00 TIME 00:00 0						GAGE	LOCATION N	OAA	East Fowl River	
STAC	iE	MIN	0.00	TIME		00:00	MAX 0.00	TIME	00:00	GAGE	DATUM N	Α	
WEATHER C	ONDITION	WEATHER					TEMP	VISIBILITY	WIND				
		Weather Caus	sed No Del	ay			68 °F / 82 °F	10 MI	8 MPH BUTION OF TIME AND MILES RUN				
		DRAFT						TING DREDGE &			MILES RUN		
	LIGHT		LOADED						(MIN		HAUL (MIN		(NAUT MI)
FORWARD		17				24	DI IMPINO.						
AFT		29				29						0:01	0.0
DRAG DEPTH	MAX 0		MIN	1 0			TURNING:			00:00 00:00			0.0
INDICATORS LA	AST CHECKED (	DN 09/13/201	14				TO DUMP:			00:00 02:05			0.0
		00,10,20					CONNECTING:			00:00		0:00	0.0
AVERAGE SPEE LOADING	ED OF DREDGE	DURING	F	T/MIN		0	DUMPING:			00:00		0:07	0.0
AVERAGE SPEE AGITATING	D OF DREDGE	DURING	F	T/MIN		0	DISCONNECTING:			00:00		0:00	0.0
GALLONS OF F	UEL OIL CONSU	JMED		GAL		2,520	TO CUT:			00:00		0:00	0.0
GALLONS OF W	ATER CONSUM	1ED		GAL		2,000	TOTALS:			00:00	0:	2:13	0.0
		WORK PERFORM	/IED			2,000	NON-EFFECTIVE WOR				T _		
			NLD		4017	4.TING	TAKING ON FUEL AND TO AND FROM WHARF			00:00		0:00	0.0
NO.OF LOADS	TOTAL CYS	IND HAULING	AL AREA			L CYS	ANCHORAGE: LOSS DUE TO NATURA			00:00		0:00	0.0
1	0	Cell				0	ELEMENTS: LOSS DUE TO TRAFFI			00:00		0:00	0.0
							BRIDGES			00:00		0:00	0.0
							MINOR OPERATING RI			00:00		1:47	0.0
							WORKS	VEEN		00:00	0	0:00	0.0
		ATTENDANT PLA	ANT				LAY TIME:			00:00	0	0:00	0.0
ITI	EM	NAME OF	NUMBER	₹	H.P.	HOURS	FIRE AND BOAT DRILL	.S:		00:00	0	0:00	0.0
40' Cre	w Boat	Cape	Anne		400	12:00	MISCELLANEOUS			00:00	0	0:00	0.0
							TOTALS			00:00	2	1:47	0.0
						LOST TIME:							
							MAJOR REPAIRS AND ALTERNATIONS			00:00		0:00	0.0
							CESSATION:			00:00		0:00	0.0
				COLLISIONS:			00:00		0:00	0.0			
							TOTALS:			00:00		0:00	0.0
						TOTAL TIME/MILES:			00:00	2	4:00	0.0	

			PAGE NO.	Page 196 of 279			
CONTRACT NO	).		REPORT NO.				
W91278-14-D	-0041 0001		114				
DREDGE		NAME AND TYPE				DATE	
DIVERSE		Stuyvesant				10/01/2014	
			LOADS				
LOAD NUMBER		DREDGING AREA DISPOSAL AREA	START TIME STOP TIME	PUMPING TURNING	DUI	DUMP MPING CUT	TOTAL TIME DREDGED AMOUNT AGITATED AMOUNT
			(HH:MM)	(MIN)	1)	MIN)	(MIN/CYS)
1	Sta 1180+00 to	1260+00	00:00	1		125	133
	Cell 1 & 2		00:01	0		7	0
	1					0	0
00 114 00 4 7							

### **GENERAL COMMENTS**

133 Minutes @ 100% 1307 Minutes @ 0% Minor Repiars -- Hull Cleaning

CONTRACTOR CERTIFICATION	material used and work p	behalf of the contractor, I certify that this Report is complete and correct and all equipment and erial used and work performed during this Reporting period are in compliance with the contract is and specifications, to the best of my knowledge, except as noted above.    DATE   SUPERINTENDENT'S INITIALS   DATE												
QC REPRESENTATIVE'S SIGNATURE	DATE	[5	SUPERINTENDENT'S INITIALS	DATE										

			ALITY	CONTR	OL REPO	ORT-HOPPER DREDO	GE .		PA	GE NO.	F	Page 197 of 279	
CONTRACT NO		CONTRACT TI					CONTRACTOR			RE	PORT NO.		
W91278-14-D		Maintenance I	Oredging o	of Mob	ile Harbo	r	Dutra Dredging Comp	pany		-			115
REPORT	'r	X MAINTEN	NANCE		NEW V	VORK					ATE 10/02/2014		
DRED	GE	HOPF	PER CAP:			4487 CY	AVG VOL OF BIN WAT	ER:	4487 CY	AVG (	JNFILLED CAP	:	0 CY
Stuyv	esant	NO. OF CF MEMBEF			DREDG 22	E	OTHER PLANT	WORK SCH	HEDULE	SHIFT	TS PER DAY	DA	AYS PER WEEK
LOCATION		LOCATION CH	IANNEL			SED; STA 1260+00	TO STA	DISPOSAL A Open Water ( 1,and 2		QTY D GROS			JLATIVE AND QTY OSIT FOR DA(CY) 296,350
		AVG LENGTH	OF CUT	ota 11	00+00 10	8000 FT	AVG WIDTH OF CUT	1,5.16	200 FT	AVG DIST TO DUMP 22 N			
CHARAC <sup>-</sup>	TER OF	DENSITY OF M	ATERIALS	;					1.45	GMS/L	ITER		1.45
MATER	MATERIAL DENSITY OF WATER							1.0060 GMS/LITER@ 84					
	RIVER/TIDE							05:00	GAGE	LOCATION NO	L AAC	East Fowl River	
STAC	GE	MIN	0.00	TIME	-	00:00	MAX 0.00	TIME	00:00	GAGE	DATUM MI	LLW	
WEATHER C	ONDITION	WEATHER Weather Caus	sed No Del	lav			TEMP 74 °F / 84 °F	WIND 6 MPH					
		DRAFT						DISTRIBUT	ME AND MILES RUN				
	LIGHT LOADED								AGITATI (MIN)		DREDGE 8 HAUL (MIN		MILES RUN (NAUT MI)
FORWARD		17 24 EFFECTIVE WORKING TIME:								<u>—</u>			
AFT		29				29 PUMPING:					00	0:00	0.0
DRAG DEPTH	MAX 0		MIN	I 0			TURNING:			00:00	00	0:00	0.0
IN IDIO ATO DO L							TO DUMP:			00:00 00:00			0.0
INDICATORS LA	AST CHECKED (	ON 09/13/20 <sup>-</sup>	14				CONNECTING:			00:00	00	0:00	0.0
	ED OF DREDGE	DURING	F	T/MIN		0	DUMPING:			00:00	00	0:00	0.0
	ED OF DREDGE	DURING	F	T/MIN		0	DISCONNECTING:			00:00	00	0:00	0.0
AGITATING GALLONS OF F	UEL OIL CONSU	JMED		GAL		7 476	TO CUT:			00:00		0:00	0.0
GALLONS OF V	VATER CONSUM	MED		GAL		1,500	TOTALS:			00:00	00	0:00	0.0
		WORK PERFORI	AED.			1,500	NON-EFFECTIVE WOF				т	<del></del>	
			WIED.		4017	4.TING	TAKING ON FUEL AND TO AND FROM WHAR			00:00		0:00	0.0
NO.OF LOADS	TOTAL CYS	ND HAULING	AL AREA			L CYS	ANCHORAGE: LOSS DUE TO NATURA			00:00		0:00	0.0
	101/12010	2101 001					ELEMENTS: LOSS DUE TO TRAFFI			00:00		0:00	0.0
							BRIDGES			00:00		0:00	0.0
							MINOR OPERATING R TRANSFERRING BETV			00:00		0:00	0.0
							WORKS	VLLIV		00:00		0:00	0.0
	į	ATTENDANT PL	ANT				LAY TIME:			00:00	<u> </u>	0:00	0.0
ITEM NAME OR NUMBER H.P. HOU					HOURS	FIRE AND BOAT DRILL	_S: 		00:00	-	0:00	0.0	
40' Crew Boat Cape Anne 400 12				12:00	MISCELLANEOUS			00:00	-	0:00	0.0		
						TOTALS			00:00	00	0:00	0.0	
							LOST TIME:  MAJOR REPAIRS AND			00.00		4.00	
<u> </u>					ALTERNATIONS			00:00		4:00	0.0		
						CESSATION:			00:00		0:00	0.0	
					COLLISIONS:			00:00		0:00	0.0		
							TOTALS:					4:00	0.0
						TOTAL TIME/MILES:				24	4:00	0.0	

		QUALITY C	ONTROL REPORT	Γ-HOPPER DRI	EDGE	PAGE NO. Page 198 of					
CONTRACT NO.	CONTRACT	TITLE		CONTRACTOR		REI	PORT NO.				
W91278-14-D-0041 0001	Maintenance	Dredging of Mobile	Harbor	Dutra Dredging C	ompany			115			
DREDGE	NAME AND T	YPE				<b>DA</b> <sup>-</sup>	<b>TE</b> 0/02/2014				
QC NARRATIVE(S) GENERAL COMMENTS Dredge down entire dur		hull cleaning opera	ations.								
SAFETY  Dredge did not off load	supplies due to	divers in water arc	ound hull								
CONTRACTOR CERTIFICA	ATION	On behalf of th	e contractor, I cer	tify that this R	eport is complete	and correct a	nd all equip	ment and			
		material used a plans and spec	ifications, to the l	ea auring this best of my kno	wledge, except as	are in compila noted above.	ince with the	e contract			

	OL REPO	ORT-HO	PPER DREDG	SE .		PA	AGE NO.	F	Page 199 of 279						
CONTRACT NO		CONTRACT TI						TRACTOR			RE	PORT NO.			
W91278-14-D CHARACTER O		Maintenance I		of Mob			Dutra	Dredging Comp	any			ATE		116	
REPORT		X MAINTEN	NANCE		NEW V	VORK	ı					10/03/2014			
DRED	GE		PER CAP:			4487 CY	AVG V	OL OF BIN WAT	ER:	4487 CY	AVG l	JNFILLED CAP	<b>'</b> :	0 CY	
Stuyv	esant	NO. OF CF MEMBER			DREDG	E	OTH	HER PLANT	WORK SCI	HEDULE	SHIFT	rs per day	DA	AYS PER WEEK	
LOCATIO	ON OF	LOCATION CH	IANNEL	REAC	22 H DREDG	SED; STA	TO STA	2	DISPOSAL A					JLATIVE AND QTY	
WOF	RK	Mobile Harbor		Sta 11	80+00 to	1260+00			Open Water 1,and 2	Cell	GROS	7,355	DEP	OSIT FOR DA(CY) 303,705	
		AVG LENGTH	OF CUT			10000 FT	AVG W	IDTH OF CUT		200 FT	AVG [	AVG DIST TO DUMP 21 N			
CHARAC	TER OF	DENSITY OF M	ATERIALS	1						1.45	GMS/L	ITER		1.45	
MATER	RIAL	DENSITY OF W	ATER				1.0060				GMS/L	ITER@		82 °F	
RIVER/		MIN	0.40	TIME		18:40	MAX	2.10	TIME	06:24 GAGE LOCATION NOAA East			East Fowl River		
STAC	3E	MIN	0.00	TIME		00:00	MAX	0.00	TIME	00:00 GAGE DATUM MLLW					
WEATHER C	ONDITION	WEATHER	and No Do				TEMP	. ° ⊏ / 0.2 ° ⊏	VISIBILITY WIND						
		Weather Caus	sea No De	ay			69	69 °F / 82 °F   5 - 10 MI   10 MPH							
						AGITA		DREDGE (		MILES RUN					
FORWARD	17 LOADED (MIN)  24 EFFECTIVE WORKING TIME:					N)	HAUL (MIN	1)	(NAUT MI)						
AFT		29						00:00	0	0:40	0.0				
	MAX 0	MIN 0 TURNING:				00:00	0	0:00	0.0						
DRAG DEPTH	IVIAX U	MIN 0  TO DUMP:				00:00	0	2:00	0.0						
INDICATORS LA	AST CHECKED (	ON 09/13/20	14				CONNE	CTING:			00:00	0	0:00	0.0	
AVERAGE SPE	ED OF DREDGE	DURING	F	T/MIN	MIN 0			NG:			00:00	0	0:06	0.0	
LOADING AVERAGE SPE				T/MIN			DISCON	NNECTING:			00:00	0	0:00	0.0	
AGITATING GALLONS OF F				GAL		0	то сит	Γ:			00:00	0	0:33	0.0	
GALLONS OF V				GAL		504	TOTALS	S:			00:00	0	3:19	0.0	
GALLONS OF V	VATER CONSUM	//ED		GAL		3,400	NON-EF	FECTIVE WOR	KING TIME:						
		WORK PERFORI	MED	ı				ON FUEL AND			00:00	0	0:00	0.0	
NO OF LOADS		AND HAULING				ATING	ANCHO				00:00	0	0:00	0.0	
NO.OF LOADS 1	TOTAL CYS 7,355		AL AREA ls 1 & 2			L CYS 0	ELEMEI				00:00	0	0:00	0.0	
							BRIDGE	OUE TO TRAFFICES	C AND		00:00	0	0:00	0.0	
								OPERATING RI			00:00	1:	9:00	0.0	
							WORKS	FERRING BETV	VEEN		00:00	0	1:41	0.0	
		ATTENDANT PL	ANT				LAY TIN	⁄IE:			00:00	0	0:00	0.0	
IT	ITEM NAME OR NUMBER H.P. HOU				HOURS	FIRE AN	ND BOAT DRILL	.S:		00:00	0	0:00	0.0		
40' Cre	40' Crew Boat Cape Anne 400 12:00				12:00	MISCEL	LANEOUS			00:00	0	0:00	0.0		
					TOTALS				00:00	2	0:41	0.0			
					LOST T										
<u> </u>					MAJOR REPAIRS AND ALTERNATIONS			00:00		0:00	0.0				
				CESSATION:			00:00		0:00	0.0					
					COLLISIONS:			00:00		0:00	0.0				
							TOTALS:			00:00		0:00	0.0		
					IOIAL	TIME/MILES:			00:00	2	4:00	0.0			

			PAGE NO.	Page 200 of 279			
CONTRACT NO W91278-14-D		CONTRACT TITLE  Maintenance Dredging of Mobile Harbor	REPORT NO	. 116			
DREDGE		NAME AND TYPE Stuyvesant				<b>DATE</b> 10/03/2014	
			LOADS				
LOAD NUMBER	DREDGING AREA DISPOSAL AREA				DUN	DUMP MPING CUT	TOTAL TIME DREDGED AMOUNT AGITATED AMOUNT
			(HH:MM)	(MIN)	,	ΛIN)	(MIN/CYS)
1	1260+00 to 13	60+00	20:41	40		120	199
	OW cells 1 & 2		21:21	0		6 33	7,355 0

### **GENERAL COMMENTS**

Dredge down until 18:00 for hull cleaning. Hauled anchor at 19:00 to move back on site Dredge inbound Mobile ship channel at 19:00, arriving on site at 20:41 to begin dredging.

#### **SAFETY**

Scheduled visit from ABS personnel called off due to high seas.

CONTRACTOR CERTIFICATION	material used an	n behalf of the contractor, I certify that this Report is complete and correct and all equipment and aterial used and work performed during this Reporting period are in compliance with the contract ans and specifications, to the best of my knowledge, except as noted above.										
QC REPRESENTATIVE'S SIGNATURE		DATE	SUPERINTENDENT'S INITIALS	DATE								

			CONTR	ORT-HOPPER DREDO	SE .		PA	AGE NO.	F	Page 201 of 279			
CONTRACT NO		CONTRACT TI					CONTRACTOR			RE	PORT NO.		
W91278-14-D CHARACTER O		Maintenance I	Oredging o	of Mobi	ile Harbo	r	Dutra Dredging Comp	any			ATE	—	117
REPORT	· F	X MAINTEN	IANCE		NEW V	WORK					10/04/2014		
DRED	GE	HOPF	ER CAP:			4487 CY	AVG VOL OF BIN WAT	ER:	4487 CY	AVG l	JNFILLED CAP	:	0 CY
Stuyv	esant	NO. OF CF MEMBEF			DREDG 22	iΕ	OTHER PLANT	WORK SCH	HEDULE	SHIFT	rs per day	DA	YS PER WEEK
LOCATIO WOR		LOCATION CH	IANNEL			SED; STA	TO STA	DISPOSAL A Open Water ( 1,and 2		QTY D GROS	S(CY)		JLATIVE AND QTY OSIT FOR DA(CY) 347.084
		Mobile Harbor  AVG LENGTH	OF CUT	Sta 11		1260+00 10000 FT	AVG WIDTH OF CUT	T,and 2	200 FT	AVG [	43,379   DIST TO DUMP		21 NM
CHARAC		DENSITY OF M	ATERIALS						1.45	GMS/L	ITER		1.45
MATER	RIAL	DENSITY OF W	ATER						1.0060	GMS/L	ITER@		82 °F
RIVER/ STAC		MIN	0.00	TIME	•	18:42	MAX 1.30	TIME	06:18	GAGE	LOCATION NO	I AAC	East Fowl River
	_	MIN	0.00	TIME		00:00	MAX 0.00	TIME	00:00	GAGE	DATUM MI	LLW	
WEATHER C	ONDITION	WEATHER Weather Caus	ed No Del	av			TEMP 50 °F / 72 °F	VISIBILITY 10 MI		WIND 10-15	MPH		
		DRAFT	,000 110 DOI	uy			00 1 772 1	•	•		MILES RUN		
	LIGHT		LOADED					NG )	DREDGE 8 HAUL (MIN		MILES RUN (NAUT MI)		
FORWARD		17				24	EFFECTIVE WORKING	EFFECTIVE WORKING TIME:					(
AFT		29				29	PUMPING:		00:00	04	4:03	0.0	
DRAG DEPTH	MAX 0		MIN	0			TURNING:			00:00	00	0:00	0.0
							TO DUMP:			00:00	30	8:56	0.0
INDICATORS LA	AST CHECKED (	ON 09/13/20 <sup>-</sup>	14				CONNECTING:			00:00	00	0:00	0.0
AVERAGE SPE	ED OF DREDGE	DURING	F	T/MIN		0	DUMPING:			00:00	00	0:34	0.0
LOADING AVERAGE SPE	ED OF DREDGE	DURING	F	T/MIN		0	DISCONNECTING:			00:00	00	0:00	0.0
AGITATING GALLONS OF F	UEL OIL CONSU	JMED		GAL			то сит:			00:00	10	0:27	0.0
GALLONS OF V	VATER CONSUM	MED		GAL			TOTALS:			00:00	24	4:00	0.0
						1,400	NON-EFFECTIVE WOR	KING TIME:			_		
		WORK PERFORI	MED				TAKING ON FUEL AND			00:00	00	0:00	0.0
NO.OF LOADS		ND HAULING				ATING	TO AND FROM WHARF ANCHORAGE:			00:00	00	0:00	0.0
6	TOTAL CYS 43,379		AL AREA ls 1 & 2			L CYS 0	LOSS DUE TO NATURA			00:00	00	0:00	0.0
							LOSS DUE TO TRAFFI BRIDGES	CAND		00:00	00	0:00	0.0
							MINOR OPERATING R			00:00	00	0:00	0.0
							TRANSFERRING BETV WORKS	VEEN		00:00	00	0:00	0.0
		ATTENDANT PL	ANT				LAY TIME:			00:00	00	0:00	0.0
IT	EM	NAME OF	NUMBER	R	H.P.	HOURS	FIRE AND BOAT DRILL	.S:		00:00	00	0:00	0.0
40' Cre	w Boat	Cape	Anne		400	12:00	MISCELLANEOUS	IISCELLANEOUS 00:00			00	0:00	0.0
			TOTALS 00:00				00	0:00	0.0				
							LOST TIME: MAJOR REPAIRS AND					<del></del>	
					ALTERNATIONS			00:00		0:00	0.0		
							CESSATION:			00:00		0:00	0.0
					COLLISIONS:			00:00		0:00	0.0		
							TOTALS:			00:00		0:00	0.0
							TOTAL TIME/MILES:			00:00	24	4:00	0.0

					PAGE	NO.
		QUALITY CONTRO	L REPORT-HOPPER	DREDGE		Page 202 of 279
CONTRACT N	<b>o</b> .	CONTRACT TITLE	CONTRACT	OR	REPOR	RT NO.
W91278-14-I	D-0041 0001	Maintenance Dredging of Mobile Harbor	Dutra Dredgi	ng Company		117
DREDGE		NAME AND TYPE			DATE	
DREDGE		Stuyvesant			10/04	1/2014
			LOADS			
LOAD NUMBER		DREDGING AREA DISPOSAL AREA	START TIME STOP TIME	PUMPING TURNING	TO DUMP DUMPING TO CUT	TOTAL TIME DREDGED AMOUNT AGITATED AMOUNT
			(HH:MM)	(MIN)	(MIN)	(MIN/CYS)
1	1260+00 to 13	60+00	00:00	1	0	73
·	OW cells 1 & 2	,	00:01	0	0	7,230
					72	0
2	1260+00 to 1360+00		01:13	47	107	262
	OW cells 1 & 2	2	02:00	0	5	7,462
					103	0
3	1260+00 to 13	60+00	05:35	56	110	319
	OW cells 1 & 2	2	06:31	0	9	7,100
					144	0
4	1260+00 to 13	60+00	10:54	39	103	254
	OW cells 1 & 2	2	11:33	0	6	7,100
					106	0
5	1260+00 to 13	60+00	15:08	65	105	282
	OW cells 1 & 2		16:13	0	7	7,510
					105	0
6	1260+00 to 13	60+00	19:50	35	111	250
	OW cells 1 & 2	2	20:25	0	7	6,977
					97	0
					L	

### **GENERAL COMMENTS**

Resumed dredging with clean hull. Transit times returned to normal rate.

#### **SAFETY**

Loaded stores with extra vessel personnel due to high seas.

CONTRACTOR CERTIFICATION	material used and work perfor	n behalf of the contractor, I certify that this Report is complete and correct and all equipment and aterial used and work performed during this Reporting period are in compliance with the contract and specifications, to the best of my knowledge, except as noted above.										
QC REPRESENTATIVE'S SIGNATURE	DATE	SUPERINTENDENT'S IN	IITIALS	DATE								

			QUA	ALITY	CONTR	OL REPO	ORT-HOPPER DREDO	GE .		PA	AGE NO.	P	age 203 of 279
CONTRACT NO W91278-14-D		CONTRACT TI		of Mob	ile Harbo	r	CONTRACTOR  Dutra Dredging Comp	nany		RE	EPORT NO.		118
CHARACTER C		X MAINTEN			NEW \						<b>ATE</b> 10/05/2014		110
DRE	DGE	НОРЕ	PER CAP:			4487 CY	AVG VOL OF BIN WAT	ER:	4487 CY	AVG l	UNFILLED CAP	0 CY	
Stuyv	vesant	NO. OF CF MEMBER			DREDG 22	6E	OTHER PLANT	WORK SCI	HEDULE	SHIFT	TS PER DAY	DA	YS PER WEEK
LOCATI WOI		LOCATION CH	IANNEL		H DREDO	GED; STA 1360+00		DISPOSAL A Open Water 1,and 2		QTY D GROS	EPOSITED		JLATIVE AND QTY OSIT FOR DA(CY) 382,646
		AVG LENGTH	OF CUT			10000 FT	AVG WIDTH OF CUT		200 FT	AVG E	DIST TO DUMP	,	21 NM
CHARAC		DENSITY OF M	ATERIALS	1					1.45	GMS/L	ITER		1.45
MATE	RIAL	DENSITY OF W	ATER						1.0060	GMS/L	ITER@		82 °F
RIVER		MIN	0.40	TIME		18:06	MAX 1.40	TIME	10:42	10:42 GAGE LOCATION NOAA E			East Fowl River
STA	GE	MIN	0.00	TIME		00:00	MAX 0.00	TIME	00:00	GAGE	DATUM M		
WEATHER C	CONDITION	WEATHER Weather Caus	and No Dol				TEMP	VISIBILITY		WIND 5 MPH			
		DRAFT	sea No Dei	ay			45 °F / 74 °F	DISTRIBUT			MILES RUN		
	LIGHT		LOADED						AGITAT (MIN		DREDGE &		MILES RUN (NAUT MI)
FORWARD		17				24	EFFECTIVE WORKING	TIME:	(IVIII V	'/	T II (OL (WIII)	•/	(IV/CT WII)
AFT		29				29	PUMPING:			00:00	0:	3:44	0.0
DRAG DEPTH	MAX 0		<u>I</u> MIN	1 0			TURNING:			00:00	Or	0:00	0.0
							TO DUMP:			00:00	10	0:19	0.0
INDICATORS L	AST CHECKED (	ON 09/13/20 <sup>-</sup>	14				CONNECTING:			00:00	Or	0:00	0.0
AVERAGE SPE	ED OF DREDGE	DURING	F	T/MIN		0	DUMPING:			00:00	0/	0:33	0.0
LOADING AVERAGE SPE	ED OF DREDGE	DURING	F	T/MIN		0	DISCONNECTING:			00:00	0/	0:00	0.0
AGITATING GALLONS OF F	FUEL OIL CONSI	UMED		GAL			то сит:			00:00	09	9:14	0.0
	WATER CONSUM			GAL			TOTALS:			00:00	23	3:50	0.0
CALLEGING OF A				O/ (L		1,500	NON-EFFECTIVE WOF	RKING TIME:			_		
	'	WORK PERFORI	MED				TAKING ON FUEL AND			00:00	00	0:00	0.0
NO OF LOADS		AND HAULING				ATING	TO AND FROM WHAR! ANCHORAGE:			00:00	00	0:00	0.0
NO.OF LOADS 7	TOTAL CYS 35,562		AL AREA Ils 1&2			L CYS 0	LOSS DUE TO NATURA			00:00	00	0:00	0.0
							LOSS DUE TO TRAFFI BRIDGES	C AND		00:00	00	0:10	0.0
							MINOR OPERATING R			00:00	00	0:00	0.0
							TRANSFERRING BETV WORKS	VEEN		00:00	0(	0:00	0.0
		ATTENDANT PL	ANT				LAY TIME:			00:00	00	0:00	0.0
IT	EM	NAME OF	R NUMBER	₹	H.P.	HOURS	FIRE AND BOAT DRILL	_S:		00:00	00	0:00	0.0
40' Cre	ew Boat	Cape	Anne		400	12:00	MISCELLANEOUS			00:00 00:00		0.0	
							TOTALS			00:00	00	0:10	0.0
							LOST TIME: MAJOR REPAIRS AND					<del></del>	
			ALTERNATIONS			00:00		0:00	0.0				
		1					CESSATION:			00:00		0:00	0.0
							COLLISIONS:			00:00		0:00	0.0
		-					TOTALS:			00:00		0:00	0.0
							TOTAL TIME/MILES:			00:00	24	4:00	0.0

		QUALITY CONTRO	L REPORT-HOPPER	DREDGE		PAGE NO.	Page 204 of 279			
CONTRACT N	0.	CONTRACT TITLE	CONTRACT	OR		REPORT NO	).			
W91278-14-I	D-0041 0001	Maintenance Dredging of Mobile Harbor	Dutra Dredg	ing Company		118				
DREDGE		NAME AND TYPE Stuyvesant				<b>DATE</b> 10/05/2014	1			
		ota, rooa	LOADS			ı				
LOAD NUMBER		DREDGING AREA DISPOSAL AREA	START TIME STOP TIME	PUMPING TURNING	DUM TO	DUMP MPING CUT	TOTAL TIME DREDGED AMOUNT AGITATED AMOUNT			
			(HH:MM)	(MIN)	(1)	ЛIN)	(MIN/CYS)			
1	1260+00 to 130	60+00	00:00	1		0	41			
	OW cells 1&2		00:01	0		0 40	0			
2	1260+00 to 136	60+00	00:41	38		111	256			
2	OW cells 1&2		01:19	0		7	5,927			
	Ow cells 1&2		· · · · · ·			100	0			
3	1260+00 to 136	60+00	04:57	45		106	264			
· ·	OW cells 1&2		05:42	0		7	5,927			
	011 00110 1012					106	0			
4	1260+00 to 136	60+00	09:21	35		98	240			
•	OW cells 1&2		09:56	0		6	5,927			
						101	0			
5	1260+00 to 136	60+00	13:31	31		116	261			
-	OW cells 1&2		14:02	0		6	5,927			
						108	0			
6	1260+00 to 136	60+00	17:52	34		108	248			
J	OW cells 1&2		18:26	0		7	5,927			
	1					99	0			
7	1260+00 to 136	60+00	22:00	40		80	120			
•	OW cells 1&2		22:40	0		0	5,927			
	1					0	0			

### **GENERAL COMMENTS**

Traffic delay from 13:16 to 13:26 (10 minutes)

# SAFETY

Decks/engine room on survey vessel Cape Anne cleaned.

CONTRACTOR CERTIFICATION	material used and work performe	behalf of the contractor, I certify that this Report is complete and correct and all equipment and terial used and work performed during this Reporting period are in compliance with the contract ns and specifications, to the best of my knowledge, except as noted above.											
QC REPRESENTATIVE'S SIGNATURE	DATE	SUPERINTENDENT'S INITIALS	DATE										

			QUA	LITY	CONTR	OL REPO	ORT-HOPPER DRED	GE		PA	AGE NO.	Р	Page 205 of 279
CONTRACT NO	).	CONTRACT TI	TLE				CONTRACTOR			RE	EPORT NO.		
W91278-14-D		Maintenance I	Oredging o	of Mobi	ile Harbo	r	Dutra Dredging Com	pany		_			119
CHARACTER C REPORT	)F	X MAINTEN	NANCE		] NEW \	WORK					ATE 10/06/2014		
DRED	OGE	HOPF	PER CAP:			4487 CY	AVG VOL OF BIN WA	TER:	4487 CY	AVG I	UNFILLED CAP	1	0 CY
Stuyv	resant	NO. OF CF MEMBER			DREDG	iΕ	OTHER PLANT	WORK SO	CHEDULE	SHIFT	TS PER DAY	DA	YS PER WEEK
		LOCATION CH	JANNEI	DEAC	22	SED; STA	2	DISPOSAL	AREA USE	QTY D	2 EPOSITED	CUMU	7 JLATIVE AND QTY
LOCATION WOR		Mobile Harbor					10514	Open Water		GROS	S(CY)		OSIT FOR DA(CY) 394,500
		AVG LENGTH		Sta 12		1360+00 10000 FT	AVG WIDTH OF CUT	T,anu Z	200 FT	AVG [	11,854 <u> </u> DIST TO DUMP		394,500 19 NM
		DENSITY OF M	ATERIAI S						1 45	GMS/L	ITFR		1.45
CHARAC MATE		DENSITY OF W							1.0060	GMS/L			82 °F
RIVER/ STA		MIN	0.90	TIME		19:12	MAX 1.50	TIME	13:18	GAGE	LOCATION NO	East Fowl River	
		MIN	0.00	TIME		00:00		TIME	00:00		DATUM M	LLW	
WEATHER C	ONDITION	WEATHER Weather Caus	sed No Del	av			TEMP 58 °F / 81 °F	VISIBILITY 10 MI		WIND 5 MPH	4		
		DRAFT	300 140 201	шу			33 1 7 31 1	•	TION OF TIM		MILES RUN		<del>,</del>
	LIGHT		LOADED						AGITA		DREDGE 8		MILES RUN
FORWARD	2.0	17	20/1828			24	EFFECTIVE WORKING	ECTIVE WORKING TIME:			HAUL (MIN	)	(NAUT MI)
AFT		29				29	PUMPING:			00:00	0(	0:34	0.0
DRAG DEPTH	MAX 0		<u>I</u> MIN	0			TURNING:			00:00	00	0:00	0.0
DIVIG BEI III	1417.07. 0						TO DUMP:			00:00	0:	2:27	0.0
INDICATORS L	AST CHECKED (	ON 09/13/20 <sup>-</sup>	14				CONNECTING:			00:00	00	0:00	0.0
AVERAGE SPE	ED OF DREDGE	DURING	F	Γ/ΜΙΝ			DUMPING:			00:00	00	0:06	0.0
LOADING AVERAGE SPE	ED OF DREDGE	DURING	F	Γ/ΜΙΝ		0	DISCONNECTING:			00:00	00	0:00	0.0
AGITATING	UEL OIL CONSU			GAL		0	TO CUT:			00:00	02	2:14	0.0
	VATER CONSUM			GAL		4,494	TOTALS:			00:00	0.5	5:21	0.0
GALLONS OF V	VATER CONSON			OAL		3,000	NON-EFFECTIVE WO	RKING TIME:					
	,	WORK PERFORI	MED				TAKING ON FUEL ANI			00:00	18	8:09	0.0
NO 051 0480		AND HAULING				ATING	TO AND FROM WHAR ANCHORAGE:			00:00	00	0:00	0.0
NO.OF LOADS 2	TOTAL CYS 11,854		AL AREA Ils 1&2			L CYS 0	LOSS DUE TO NATUR ELEMENTS:			00:00	00	0:00	0.0
							LOSS DUE TO TRAFF BRIDGES	IC AND		00:00	00	0:30	0.0
							MINOR OPERATING F			00:00	00	0:00	0.0
							TRANSFERRING BET WORKS	WEEN		00:00	00	0:00	0.0
		ATTENDANT PL	ANT				LAY TIME:			00:00	00	0:00	0.0
IT	EM	NAME OF	R NUMBER	1	H.P.	HOURS	FIRE AND BOAT DRIL	LS:		00:00	00	0:00	0.0
40' Cre	ew Boat	Cape	Anne		400	12:00	MISCELLANEOUS			00:00	00	0:00	0.0
		Сиро				12.00	TOTALS			00:00	18	8:39	0.0
							LOST TIME:						
				MAJOR REPAIRS AND ALTERNATIONS	)		00:00	00	0:00	0.0			
							CESSATION:			00:00	00	0:00	0.0
							COLLISIONS:			00:00	00	0:00	0.0
							TOTALS:			00:00	00	0:00	0.0
							TOTAL TIME/MILES:			00:00	24	4:00	0.0

		QUALITY CONTRO	L REPORT-HOPPER	DREDGE		PAGE NO. Page 206 of 279					
CONTRACT NO W91278-14-D		CONTRACT TITLE  Maintenance Dredging of Mobile Harbor	CONTRACT Dutra Dredg	OR ing Company	REPORT NO.						
DREDGE		NAME AND TYPE Stuyvesant				<b>DATE</b> 10/06/2014					
	LOADS										
LOAD NUMBER		DREDGING AREA DISPOSAL AREA	START TIME STOP TIME	PUMPING TURNING	DUM TO	DUMP MPING CUT	TOTAL TIME DREDGED AMOUNT AGITATED AMOUNT				
	1260+00 to 13	260+00	(HH:MM) 00:00	(MIN)	(N	ИIN) 33	(MIN/CYS) 174				
1	OW cells 1&2		00:01	0		6 134	5,927 0				
2	1260+00 to 13 OW cells 1&2		21:33 22:06	33 0		114 0 0	147 5,927 0				

#### **GENERAL COMMENTS**

Left channel inbound at 01:55 to anchor and receive fuel. Re-entered channel at 20:04 inbound to dredge area. (Total delay 1089 minutes). Traffic delay from 21:00 to 21:30 (30 minutes).

### SAFETY

Bunkering checklist followed before fueling.

CONTRACTOR CERTIFICATION	material used a	n behalf of the contractor, I certify that this Report is complete and correct and all equipment and attended as a laterial used and work performed during this Reporting period are in compliance with the contract and specifications, to the best of my knowledge, except as noted above.										
QC REPRESENTATIVE'S SIGNATURE		DATE	SUPERINTENDENT'S INITIALS	DATE								

		CONTR	ORT-HOPPER DREDO	SE .		PA	AGE NO.	F	Page 207 of 279				
CONTRACT NO		CONTRACT TI					CONTRACTOR			RE	PORT NO.		
W91278-14-D CHARACTER O		Maintenance I	Oredging o	of Mob	ile Harbo	r	Dutra Dredging Comp	any					120
REPORT	·r	X MAINTEN	NANCE		NEW V	WORK					ATE 10/07/2014		
DRED	GE	HOPF	PER CAP:			4487 CY	AVG VOL OF BIN WAT	ER:	4487 CY	AVG (	JNFILLED CAP:	:	0 CY
Stuyv	esant	NO. OF CF MEMBEF			DREDG 22	iΕ	OTHER PLANT	WORK SCH	HEDULE	SHIFT	rs per day	DA	YS PER WEEK
LOCATIO WOR		LOCATION CH	IANNEL			SED; STA 1360+00	TO STA	DISPOSAL A Open Water ( 1,and 2		QTY D GROS			JLATIVE AND QTY OSIT FOR DA(CY) 430,062
		AVG LENGTH	OF CUT	Old 12		10000 FT	AVG WIDTH OF CUT	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	200 FT	AVG [	DIST TO DUMP		19 NM
CHARAC	TER OF	DENSITY OF M	ATERIALS						1.45	GMS/L	ITER		1.45
MATER	RIAL	DENSITY OF W	ATER						1.0060	GMS/L	ITER@		82 °F
RIVER/		MIN	0.90	TIME		06:36	MAX 1.60	TIME	01:18	GAGE	LOCATION NO	I AAC	East Fowl River
STAC	<b>3</b> E	MIN	1.20	TIME		18:00	MAX 1.50	TIME	14:48	GAGE	DATUM ML	LLW	
WEATHER C	ONDITION	WEATHER Weather Caus	and No Dol	01/			TEMP 68 °F / 80 °F	VISIBILITY 10 MI		WIND 5-10 MPH			
		DRAFT	sed NO Dei	ау			00 1 7 00 1	•	•		MILES RUN		
	LIGHT		LOADED					NG )	DREDGE 8 HAUL (MIN		MILES RUN (NAUT MI)		
FORWARD		17				24	EFFECTIVE WORKING	,			( (		
AFT		29				29	PUMPING:		00:00	03	3:43	0.0	
DRAG DEPTH	MAX 0		MIN	1 0			TURNING:			00:00	00	0:00	0.0
INDICATORS	A OT OUTOUED	2011					TO DUMP:			00:00	09	9:14	0.0
INDICATORS LA	AST CHECKED (	ON 09/13/20 <sup>-</sup>	14				CONNECTING:			00:00	00	0:00	0.0
	ED OF DREDGE	DURING	F	T/MIN		0	DUMPING:			00:00	00	0:36	0.0
	ED OF DREDGE	DURING	F	T/MIN		0	DISCONNECTING:			00:00	00	0:00	0.0
AGITATING GALLONS OF F	UEL OIL CONSU	JMED		GAL		5 922	TO CUT:			00:00		):27	0.0
GALLONS OF V	VATER CONSUN	MED		GAL		1,200	TOTALS:			00:00	24	1:00	0.0
		WORK PERFORI	AED.			1,200	NON-EFFECTIVE WOR				Τ	_	
			MED		ACIT	ATING	TAKING ON FUEL AND TO AND FROM WHARF			00:00		0:00	0.0
NO.OF LOADS	TOTAL CYS	AND HAULING DISPOS	AL AREA			L CYS	ANCHORAGE: LOSS DUE TO NATURA			00:00		0:00	0.0
7	35,562		lls 1&2			0	ELEMENTS: LOSS DUE TO TRAFFI			00:00		0:00	0.0
							BRIDGES			00:00		0:00	0.0
							MINOR OPERATING R TRANSFERRING BETV			00:00		0:00	0.0
							WORKS LAY TIME:			00:00			0.0
		ATTENDANT PL	ANT				FIRE AND BOAT DRILL	C.		00:00		0:00	0.0
IT	ЕМ	NAME OF	R NUMBER	₹	H.P.	HOURS	MISCELLANEOUS	.5.		00:00		0:00	0.0
40' Cre	w Boat	Cape	Anne		400	12:00	TOTALS			00:00		0:00	0.0
							LOST TIME:			00.00		7.00	0.0
					MAJOR REPAIRS AND			00:00	nr	0:00	0.0		
					ALTERNATIONS CESSATION:			00:00		0:00	0.0		
					COLLISIONS:			00:00		0:00	0.0		
						TOTALS:			00:00		0:00	0.0	
							TOTAL TIME/MILES:			00:00	24	1:00	0.0
1		1				1	<u> </u>						

		QUALITY CONTRO	L REPORT-HOPPER	DREDGE		PAGE NO.	Page 208 of 279	
CONTRACT NO	).	CONTRACT TITLE	CONTRACT	OR		REPORT NO	).	
W91278-14-D	-0041 0001	Maintenance Dredging of Mobile Harbor	Dutra Dredg	ing Company			120	
DREDGE		NAME AND TYPE Stuyvesant			<b>DATE</b> 10/07/2014			
		,	LOADS					
LOAD NUMBER		DREDGING AREA DISPOSAL AREA	START TIME STOP TIME	PUMPING TURNING	DUM TO	DUMP MPING CUT	TOTAL TIME DREDGED AMOUNT AGITATED AMOUNT	
	1260+00 to 136	20.00	(HH:MM)	(MIN)	(1	MIN) 0	(MIN/CYS) 115	
1		60+00	00:00 00:01	1 0		6	0	
	OW cells 1&2		00:01			108	0	
2	1260+00 to 136	60+00	01:55	42		98	258	
2	OW cells 1&2		02:37	0		6	5,927	
	OVV Cells 1&2					112	0	
3	1260+00 to 136	60+00	06:13	32		99	241	
ŭ	OW cells 1&2		06:45	0		6 104	5,927	
							0	
4	1260+00 to 136	60+00	10:14	39		105	251	
	OW cells 1&2		10:53	0		6	5,927	
						101	0	
5	1260+00 to 136	60+00	14:25	40		109	256	
ŭ	OW cells 1&2		15:05	0		6	5,927	
						101	0	
6	1260+00 to 136	60+00	18:41	37		104	248	
_	OW cells 1&2		19:18	0		6	5,927	
						101	0	
7	1260+00 to 136	60+00	22:49	32		39	71	
	OW cells 1&2		23:21	0		0	5,927	
						0	0	

### **GENERAL COMMENTS**

Corps inspector and Dutra site manager visited dredge.

# SAFETY

Performed fire, lifeboat, and abandon ship drills on Stuyvesant.

CONTRACTOR CERTIFICATION	material used and work performe	n behalf of the contractor, I certify that this Report is complete and correct and all equipment and aterial used and work performed during this Reporting period are in compliance with the contract and specifications, to the best of my knowledge, except as noted above.										
QC REPRESENTATIVE'S SIGNATURE	DATE	SUPERINTENDENT'S INITIALS	DATE									

			QUA	LITY	CONTR	OL REPO	ORT-HOPPER DREDO	GE .		P	AGE NO.	P	age 209 of 279
CONTRACT NO		CONTRACT TI		. 6 M a b :	la Hauba	_	CONTRACTOR			R	EPORT NO.		
W91278-14-D		Maintenance I		Idolvi to			Dutra Dredging Comp	pany			ATE	—	122
REPORT		X   MAINTEN	NANCE		NEW V	WORK					10/09/2014		
DRED	OGE	HOPF	PER CAP:			4487 CY	AVG VOL OF BIN WAT	ER:	4487 CY	AVG	UNFILLED CAP:	:	0 CY
Stuyv	esant //	NO. OF CF MEMBER			DREDG	iΕ	OTHER PLANT	WORK SC	HEDULE	SHIF	TS PER DAY	DA	YS PER WEEK
					22		2	DISPOSAL A	DEA LISE	OTV	2 DEPOSITED C	SLIMALI.	7 LATIVE AND QTY
LOCATION WOR		LOCATION CH				SED; STA	TO STA	Open Water			SS(CY)		OSIT FOR DA(CY)
		Mobile Harbor  AVG LENGTH	•	Sta 80	0+00 to 9	00+00 10000 FT	AVG WIDTH OF CUT	1,and 2	200 FT	ΔVG	23,748 DIST TO DUMP		483,445 27 NM
						1000011	AVG WIDTH OF GOT						
CHARAC MATE		DENSITY OF M	ATERIALS						1.45	GMS/L	.ITER 		1.45
,	· · · ·	DENSITY OF W	ATER						1.0060	GMS/L	.ITER@		82 °F
RIVER		MIN	0.40	TIME		09:24	MAX 1.90	TIME	00:06	GAGE	LOCATION Do	g Riv	er
STA	GE	MIN	0.00	TIME	-	00:00	MAX 0.00	TIME	00:00	GAGE	DATUM ML	LW	
WEATHER C	CONDITION	WEATHER					TEMP	VISIBILITY		WIND			
		Weather Caus	sed No Dela	ay			68 °F / 84 °F	6 MI	•	5 MPI	H D MILES RUN		
		DRAFT	I					DISTRIBUT	AGITAT		DREDGE 8		MILES RUN
	LIGHT		LOADED						(MIN		HAUL (MIN)		(NAUT MI)
FORWARD		17				24	EFFECTIVE WORKING	TIME:				2:29	
AFT		29				29	PUMPING:			00:00	0.0		
DRAG DEPTH	MAX 0		MIN	0			TURNING:			00:00	-	0:00	0.0
INDICATORS LA	AST CHECKED (	ON 09/13/20 <sup>-</sup>	14				TO DUMP:			00:00		1:31	0.0
							CONNECTING:			00:00	-	0:00	0.0
AVERAGE SPE LOADING	ED OF DREDGE	DURING	FT	Γ/MIN		0	DUMPING:			00:00	+	):25	0.0
	ED OF DREDGE	DURING	FT	Γ/ΜΙΝ		0	DISCONNECTING:			00:00		0:00	0.0
	FUEL OIL CONSI	UMED		GAL		7,182	TO CUT: TOTALS:			00:00		9:35 1:00	0.0
GALLONS OF V	VATER CONSUM	MED		GAL		1,000	NON-EFFECTIVE WOR	DVINC TIME:		00:00	24	.00	0.0
	,	WORK PERFORI	MED				TAKING ON FUEL AND		Ι	00:00	<u> </u>	0:00	0.0
		AND HAULING			AGIT	ATING	TO AND FROM WHARF			00:00	+	0:00	0.0
NO.OF LOADS			AL AREA			L CYS	ANCHORAGE: LOSS DUE TO NATURA	AL		00:00		0:00	0.0
5	23,748	OW ce	lls 1&2		(	0	ELEMENTS: LOSS DUE TO TRAFFI	C AND		00:00		0:00	0.0
							BRIDGES MINOR OPERATING R	EPAIRS		00:00		0:00	0.0
							TRANSFERRING BETV			00:00		0:00	0.0
							WORKS LAY TIME:			00:00	+	0:00	0.0
		ATTENDANT PL	ANT	-		1	FIRE AND BOAT DRILL	 _S:		00:00	-	0:00	0.0
IT	EM	NAME OF	R NUMBER	2	H.P.	HOURS	MISCELLANEOUS			00:00	00	0:00	0.0
40' Cre	ew Boat	Cape	Anne		400	12:00	TOTALS			00:00	00	0:00	0.0
							LOST TIME:				<u>. L</u>		
							MAJOR REPAIRS AND			00:00	00	0:00	0.0
							ALTERNATIONS CESSATION:			00:00	00	0:00	0.0
							COLLISIONS:			00:00	00	0:00	0.0
							TOTALS:			00:00	00	0:00	0.0
							TOTAL TIME/MILES:			00:00	) 24	1:00	0.0
		1		J		<u> </u>			1				

		QUALITY CONTROL	. REPORT-HOPPER	DREDGE	PAGE NO.	Page 210 of 279
ONTRACT NO.		CONTRACT TITLE	CONTRACTO	OR	REPORT N	0.
W91278-14-D-	0041 0001	Maintenance Dredging of Mobile Harbor	Dutra Dredgi	ng Company		122
DREDGE		NAME AND TYPE Stuyvesant			<b>DATE</b> 10/09/20	14
			LOADS		•	
LOAD NUMBER		DREDGING AREA DISPOSAL AREA	START TIME STOP TIME	PUMPING TURNING	TO DUMP DUMPING TO CUT	TOTAL TIME DREDGED AMOUNT AGITATED AMOUNT
	0000 001 00	20.00	(HH:MM)	(MIN)	(MIN)	(MIN/CYS)
1	0800+00 to 09	00+00	00:00	1 0	133	288 0
	OW cells 1&2		00:01	U	7 147	0
2	0800+00 to 09	00+00	04:48	45	137	332
_	OW cells 1&2		05:33	0	6	5,937
	011 000 1.0.2				144	0
3	0800+00 to 09	00+00	10:20	38	148	335
_	OW cells 1&2		10:58	0	6	5,937
					143	0
4	0800+00 to 09	00+00	15:55	32	160	339
	OW cells 1&2		16:27	0	6	5,937
					141	0
5	0800+00 to 09	00+00	21:34	33	113	146
-	OW cells 1&2		22:07	0	0	5,937
					0	0
NARRATIV	/E(S)	<u> </u>			•	•
GENERAL C	OMMENTS					
SAFETY						
-		nplementing ECDIS system on bridge for i				

CONTRACTOR CERTIFICATION	material used a	n behalf of the contractor, I certify that this Report is complete and correct and all equipment and aterial used and work performed during this Reporting period are in compliance with the contract ans and specifications, to the best of my knowledge, except as noted above.								
QC REPRESENTATIVE'S SIGNATURE		DATE	SUPERINTENDENT'S INITIALS	DATE						

		-	QUA	ALITY	CONTR	OL REPO	ORT-HOPPER DREDO	GE		F	PAGE NO.	F	Page 211 of 279
CONTRACT NO		CONTRACT TI					CONTRACTOR			F	REPORT NO.		
W91278-14-D		Maintenance I	Oredging o	of Mob			Dutra Dredging Comp	pany		۲,	DATE		123
REPORT	<b></b>	X MAINTEN	NANCE		NEW \	NORK					10/10/2014		
DRED	OGE	HOPF	PER CAP:			4487 CY	AVG VOL OF BIN WAT	TER:	4487 CY	AVG	UNFILLED CAP	P:	0 CY
Stuyv	resant	NO. OF CF MEMBEF			DREDG	E	OTHER PLANT	WORK SCI	HEDULE	SHII	FTS PER DAY	DA	YS PER WEEK
					22		2	DISPOSAL A	DEVICE	OTV	2 DEDOCITED		7 JLATIVE AND QTY
LOCATIO WOF		LOCATION CH Mobile Harbor	IANNEL		H DRED0 00+00 to 9	GED; STA 1	TO STA	Open Water 1,and 2			DEPOSITED SS(CY) 23,708	DEP	OSIT FOR DA(CY) 507,153
		AVG LENGTH	OF CUT			10000 FT	AVG WIDTH OF CUT		200 FT	AVG	DIST TO DUMF	>	27 NM
CHARAC	TER OF	DENSITY OF M	ATERIALS	1					1.45	GMS/	/LITER	-	1.45
MATE		DENSITY OF W	ATER						1.0060	GMS/	/LITER@		82 °F
RIVER		MIN	0.40	TIME		09:24	MAX 1.90	TIME	00:06	GAGI	E LOCATION D	og Riv	ver
STA	GE	MIN	0.00	TIME		00:00	MAX 0.00	TIME	00:00	GAGI	E DATUM M	<b>ILLW</b>	
WEATHER C	CONDITION	WEATHER					TEMP	VISIBILITY		WINE	)		
WEXTILETO		Weather Caus	sed No Del	ay			68 °F / 84 °F	6 MI		5 MF	<u>'H</u>		
		DRAFT						DISTRIBUT			D MILES RUN		
	LIGHT		LOADED						AGITAT (MIN		DREDGE HAUL (MII		MILES RUN (NAUT MI)
FORWARD		17				24	EFFECTIVE WORKING	TIME:					
AFT		29				29	PUMPING:			00:0	.0	02:33	0.0
DRAG DEPTH	MAX 0		MIN	1 0			TURNING:			00:0	.0 0	00:00	0.0
IN IDIO ATODO I	. OT OUE OUE D						TO DUMP:			00:0	0 1	10:19	0.0
INDICATORS LA	AST CHECKED (	ON 09/13/20 <sup>2</sup>	14				CONNECTING:			00:0	0 0	00:00	0.0
	ED OF DREDGE	DURING	F	T/MIN		0	DUMPING:			00:0	.0 0	00:30	0.0
LOADING AVERAGE SPE	ED OF DREDGE	DURING	F	T/MIN		0	DISCONNECTING:			00:0	.0 0	00:00	0.0
AGITATING GALLONS OF F	UEL OIL CONSU	JMED		GAL			то сит:			00:0	.0 1	10:38	0.0
	VATER CONSUM			GAL		7,602	TOTALS:			00:0	0 2	24:00	0.0
GALLONG OF V	VATER CONSON			OAL		2,100	NON-EFFECTIVE WOR	RKING TIME:					
	•	WORK PERFORI	MED				TAKING ON FUEL AND			00:0	.0 0	00:00	0.0
		AND HAULING				ATING	TO AND FROM WHAR! ANCHORAGE:	FOR		00:0	0 0	00:00	0.0
NO.OF LOADS 6	TOTAL CYS 23,708		AL AREA 1 & 2			L CYS 0	LOSS DUE TO NATURA ELEMENTS:	AL		00:0	0 0	00:00	0.0
							LOSS DUE TO TRAFFI BRIDGES	C AND		00:0	.0 0	00:00	0.0
							MINOR OPERATING R	EPAIRS		00:0	0 0	00:00	0.0
							TRANSFERRING BETV WORKS	VEEN		00:0	0 0	00:00	0.0
		L ATTENDANT PLA	ANT				LAY TIME:			00:0	0 0	00:00	0.0
ıT	EM	1	R NUMBER	,	H.P.	HOURS	FIRE AND BOAT DRILL	_S:		00:0	0 0	00:00	0.0
				`			MISCELLANEOUS			00:0	0 0	00:00	0.0
40 Cre	ew Boat	Cape	Anne		400	12:00	TOTALS			00:0	0 0	00:00	0.0
							LOST TIME:						
							MAJOR REPAIRS AND ALTERNATIONS			00:0	0 0	00:00	0.0
							CESSATION:			00:0	0 (	00:00	0.0
							COLLISIONS:			00:0	0 0	00:00	0.0
							TOTALS:			00:0	0 0	00:00	0.0
							TOTAL TIME/MILES:			00:0	0 2	24:00	0.0

		QUALITY CONTROL	REPORT-HOPPER	DREDGE	PAGE NO.	Page 212 of 279
CONTRACT N	0.	CONTRACT TITLE	CONTRACTO	OR	REPORT N	0.
W91278-14-I	D-0041 0001	Maintenance Dredging of Mobile Harbor	Dutra Dredgi	ng Company		123
DREDGE		NAME AND TYPE			<b>DATE</b> 10/10/201	4
		Stuyvesant			10/10/20	4
			LOADS			
LOAD NUMBER		DREDGING AREA DISPOSAL AREA	START TIME STOP TIME	PUMPING TURNING	TO DUMP DUMPING TO CUT	TOTAL TIME DREDGED AMOUNT AGITATED AMOUNT
			(HH:MM)	(MIN)	(MIN)	(MIN/CYS)
1	Sta 800 to 900		00:00	1	38	45
	Cell 1 & 2		00:01	0	6	0
					0	0
2	Sta 800 to 900		00:45	41	135	319
	Cell 1 & 2		01:26	0	6	5,927
					137	0
3	Sta 800 to 900		06:04	32	133	320
	Cell 1 & 2		06:36	0	6	5,927
					149	0
4	Sta 800 to 900		11:24	41	155	348
	Cell 1 & 2		12:05	0	6	5,927
					146	0
5	Sta 800 to 900		17:12	37	158	337
-	Cell 1 & 2		17:49	0	6	5,927
					136	0
6	Sta 800 to 900		22:49	1	0	71
J	Cell 1 & 2		22:50	0	0	0
					70	0

# **GENERAL COMMENTS**

1440 Minutes, 100% Pay

#### **SAFETY**

Discussed posibility of implementing ECDIS system on bridge for improved collision avoidance.

CONTRACTOR CERTIFICATION	material used and work perform	behalf of the contractor, I certify that this Report is complete and correct and all equipment and terial used and work performed during this Reporting period are in compliance with the contract ins and specifications, to the best of my knowledge, except as noted above.										
QC REPRESENTATIVE'S SIGNATURE	DATE	SUPERINTENDENT'S INITIALS	DATE									

			QUA	ALITY	CONTR	OL REPO	RT-HOPP	ER DREDG	βE		PA	AGE NO.	F	Page 213 of 279
CONTRACT NO		CONTRACT TI					CONTRA				RE	PORT NO.		
W91278-14-D CHARACTER O		Maintenance I		of Mob			Dutra Dre	edging Comp	any			ATE		125
REPORT		X MAINTEN	NANCE		NEW V	VORK	ı					10/12/2014		
DRED	GE		PER CAP:			4487 CY	AVG VOL	OF BIN WAT	ER:	4487 CY	AVG (	JNFILLED CAP	:	0 CY
Stuyv	esant	NO. OF CF MEMBER			DREDG 22	E		PLANT	WORK SCI	HEDULE	SHIFT	rs per day	DA	AYS PER WEEK
LOCATIO		LOCATION CH	IANNEL	REAC		SED; STA			DISPOSAL A		QTY D GROS	EPOSITED C		JLATIVE AND QTY OSIT FOR DA(CY)
WOF	RK	Mobile Harbor		Sta 80	0+00 to 9	00+00			Open Water 1,and 2	Cell	GROS	29,635	DEP	542,715
		AVG LENGTH	OF CUT			10000 FT	AVG WIDT	TH OF CUT		200 FT	AVG E	DIST TO DUMP		27 NM
CHARAC	TER OF	DENSITY OF M	ATERIALS	;						1.45	GMS/L	ITER		1.45
MATER	RIAL	DENSITY OF W	ATER							1.0060	GMS/L	ITER@		82 °F
RIVER/		MIN	0.40	TIME		09:24	MAX	1.90	TIME	00:06	GAGE	LOCATION Do	/er	
STAC	<b>3</b> E	MIN	0.00	TIME		00:00	MAX	0.00	TIME	00:00	GAGE	DATUM MI	LLW	
WEATHER C	ONDITION	WEATHER Weather Caus	and No Dol	av.			TEMP	/ 87 °F	VISIBILITY 6 MI		WIND 10 MP	ш		
		DRAFT	sed NO Dei	ау			70 1	707 1	DISTRIBUT	ON OF TIM				
	LIGHT		LOADED							AGITA		DREDGE 8		MILES RUN
FORWARD		17	20/13/2			24	EFFECTIVE	E WORKING	TIME:	(MIN)	N)	HAUL (MIN	)	(NAUT MI)
AFT		29				29	PUMPING: 00				00:00	00	3:02	0.0
DRAG DEPTH	MAX 0		MIN				TURNING:				00:00	00	0:00	0.0
							TO DUMP:				00:00	06	9:58	0.0
INDICATORS LA	AST CHECKED (	ON 09/13/20 <sup>-</sup>	14				CONNECT	ING:			00:00	00	0:00	0.0
AVERAGE SPE	ED OF DREDGE	DURING	F	T/MIN		0	DUMPING:				00:00	00	0:24	0.0
LOADING AVERAGE SPE	ED OF DREDGE	DURING	F	T/MIN			DISCONNE	CTING:			00:00	00	0:00	0.0
AGITATING GALLONS OF F	UEL OIL CONSI	JMED		GAL		0	TO CUT:				00:00	06	9:32	0.0
GALLONS OF V				GAL		5,376	TOTALS:				00:00	22	2:56	0.0
0/1220110 01 1				0,12		2,100	NON-EFFE	CTIVE WOR	KING TIME:					
		WORK PERFORI	MED	ı				N FUEL AND			00:00	00	0:00	0.0
NO.OF LOADS	TOTAL CYS	AND HAULING	AL AREA			L CYS	ANCHORA				00:00	00	0:00	0.0
5	29,635		1 & 2			0	ELEMENTS	TO NATURA S: TO TRAFFIO			00:00		0:00	0.0
							BRIDGES				00:00		0:00	0.0
								RRING BETV			00:00		0:54	0.0
							WORKS	WINO BETT	VLLIV		00:00		0:00	0.0
	ı	ATTENDANT PL	ANT				LAY TIME:				00:00		0:00	0.0
IT	ЕМ	NAME OF	NUMBER	≀	H.P.	HOURS		BOAT DRILL	.S: 		00:00		0:00	0.0
40' Cre	w Boat	Cape	Anne		400	12:00	MISCELLA	NEOUS			00:00 00:10			0.0
							TOTALS LOST TIME	<u> </u>			00:00	0	1:04	0.0
								PAIRS AND		00:00 00:00			0.0	
							ALTERNAT CESSATIO				00:00		0:00	0.0
				COLLISION				00:00		0:00	0.0			
							TOTALS:				00:00		0:00	0.0
							TOTAL TIM	IE/MILES:			00:00		4:00	0.0
							<u> </u>					<u> </u>		

		QUALITY CONTRO	L REPORT-HOPPER	DREDGE		PAGE NO.	Page 214 of 279
CONTRACT NO	J.	CONTRACT TITLE	CONTRACTO	OR		REPORT NO	
W91278-14-D	)-0041 0001	Maintenance Dredging of Mobile Harbor	Dutra Dredgir	ng Company		l	125
DREDGE		NAME AND TYPE Stuyvesant				<b>DATE</b> 10/12/2014	4
			LOADS				
LOAD NUMBER		DREDGING AREA DISPOSAL AREA	START TIME STOP TIME (HH:MM)	PUMPING TURNING (MIN)	DUN TO	DUMP MPING ) CUT MIN)	TOTAL TIME DREDGED AMOUNT AGITATED AMOUNT (MIN/CYS)
1	Sta 800 to 900	,	00:00	39		144	204
I	Cell 1 & 2		00:39	0		6	5,927
			J	1		15	0
2	Sta 800 to 900	,	04:18	35	1	137	326
	Cell 1 & 2		04:53	0		6	5,927
			J	1	·	148	0
3	Sta 800 to 900	,	09:44	42		150	341
I	Cell 1 & 2		10:26	0		6	5,927
			J	1	,	143	0
4	Sta 800 to 900	,	15:35	37		150	328
	Cell 1 & 2		16:12	0		6	5,927
			J	1		135	0
5	Sta 800 to 900	,	21:03	29	+	17	177
	Cell 1 & 2		21:32	0		0	5,927
			J	1		131	0

PAGE NO.

### QC NARRATIVE(S)

### **GENERAL COMMENTS**

1376 Minutes, 100% Pay

54 Minutes, 0% Pay, Maintenance to Port M/E 10 Minutes, 0% Pay, transfer personnel

#### **SAFETY**

Maintain Housekeeping

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						

			QUA	LITY	CONTR	OL REPO	ORT-HOPPER DRED	<b>GE</b>		PA	AGE NO.	P	Page 215 of 279
CONTRACT NO	).	CONTRACT TI					CONTRACTOR			RI	EPORT NO.		
W91278-14-D		Maintenance I	Oredging o	of Mobi	ile Harbo	r	Dutra Dredging Comp	oany					126
CHARACTER O REPORT	)F	X MAINTEN	NANCE		] NEW \	WORK					ATE 10/13/2014		
DRED	OGE	HOPF	PER CAP:			4487 CY	AVG VOL OF BIN WAT	TER:	4487 CY	AVG	UNFILLED CAP	<b>)</b> :	0 CY
Stuyv	esant	NO. OF CF MEMBER			DREDG	iΕ	OTHER PLANT	WORK SC	HEDULE	SHIF	TS PER DAY	DA	YS PER WEEK
1.00471		LOCATION CH	JANNEI	DEAC	22 H DREDO	SED; STA	2	DISPOSAL A	REA USE	QTY D	2 DEPOSITED	CUML	7 JLATIVE AND QTY
LOCATION WOR		Mobile Harbor			00+00 to 9		10314	Open Water 1,and 2	Cell	GROS			OSIT FOR DA(CY) 566,423
		AVG LENGTH		3ta 00		10000 FT	AVG WIDTH OF CUT	1,,4.14	200 FT	AVG I	DIST TO DUMP	,	27 NM
0114540	TED 05	DENSITY OF M	ATERIALS						1.45	GMS/L	 ITER		1.45
CHARAC MATER		DENSITY OF W	ATER						1.0060	GMS/L	.ITER@		82 °F
		MIN	0.40	TIME		09:24	MAX 1.90	TIME	00:06	GAGE	LOCATION D	og Piv	
RIVER/ STAC					-								
		MIN WEATHER	0.00	TIME		00:00	MAX 0.00	TIME	00:00	WIND	DATUM M	ILLW	
WEATHER C	ONDITION	Weather Caus	sed No Del	ay			71 °F / 86 °F	6 MI		10 MF	'H		
		DRAFT						DISTRIBUT	ION OF TIM	IE AND	MILES RUN		
	LIGHT		LOADED						AGITAT		DREDGE (		MILES RUN (NAUT MI)
FORWARD		17				24	EFFECTIVE WORKING	TIME:		,			
AFT		29				29	PUMPING:			00:00	0	2:25	0.0
DRAG DEPTH	MAX 0		MIN	0			TURNING:			00:00	0	0:00	0.0
INDICATORS LA	AST CHECKED (	ON 09/13/20 <sup>-</sup>	1.4				TO DUMP:			00:00	1	1:31	0.0
INDICATORS LA	431 CHECKED	JN 09/13/20	14				CONNECTING:			00:00 00:00			0.0
	ED OF DREDGE	DURING	F	Γ/ΜΙΝ		0	DUMPING:			00:00	0	0:26	0.0
	ED OF DREDGE	DURING	F	Γ/ΜΙΝ		0	DISCONNECTING:			00:00	0	0:00	0.0
AGITATING GALLONS OF F	UEL OIL CONSU	JMED		GAL		4,620	TO CUT:			00:00	+	9:38	0.0
GALLONS OF V	VATER CONSUM	ИED		GAL		1,500	TOTALS:	NAME TIME		00:00	24	4:00	0.0
	,	WORK PERFORI	l MED			•	NON-EFFECTIVE WOF			00:00	<u> </u>	0:00	0.0
		AND HAULING			AGIT	ATING	TO AND FROM WHAR			00:00		0:00	0.0
NO.OF LOADS	TOTAL CYS	DISPOS	AL AREA			L CYS	ANCHORAGE: LOSS DUE TO NATUR	AL		00:00		0:00	0.0
5	23,708	Cell #	±1 & 2			0	ELEMENTS: LOSS DUE TO TRAFFI	C AND		00:00	<b>+</b>	0:00	0.0
							BRIDGES MINOR OPERATING R	EPAIRS		00:00		0:00	0.0
							TRANSFERRING BET\ WORKS	WEEN		00:00	0	0:00	0.0
		ATTENDANT DI	ANT				LAY TIME:			00:00	0	0:00	0.0
,,,		NAME OF		,	шъ	нопре	FIRE AND BOAT DRILI	_S:		00:00	0	0:00	0.0
	EM		R NUMBER	•	H.P.	HOURS	MISCELLANEOUS			00:00	0	0:00	0.0
40' Cre	w Boat	Cape	Anne		400	12:00	TOTALS			00:00	0	0:00	0.0
							LOST TIME:						
							MAJOR REPAIRS AND ALTERNATIONS			00:00	0	0:00	0.0
							CESSATION:			00:00	0	0:00	0.0
							COLLISIONS:			00:00	0	0:00	0.0
							TOTALS:			00:00	0	0:00	0.0
							TOTAL TIME/MILES:			00:00	2	4:00	0.0

QUALITY CONTROL REPORT-HOPPER DREDGE							PAGE NO. Page 216 of 279	
Maintenance Dredging of Mobile Harbor	126							
DREDGE		NAME AND TYPE				DATE		
		Stuyvesant					10/13/2014	
			LOADS					
LOAD		DREDGING AREA	START TIME	PUMPING		DUMP	TOTAL TIME	
NUMBER	DISPOSAL AREA		STOP TIME	TURNING		I/PING CUT	DREDGED AMOUNT AGITATED AMOUNT	
			(HH:MM)	(MIN)	-	ЛIN)	(MIN/CYS)	
1	Sta 800+00 to 900+00		00:00	1	<u> </u>	122	130	
	Cell #1 & 2		00:01	0		7	0	
						0	0	
2	Sta 800+00 to	900+00	02:10	41		138	326	
	Cell #1 & 2		02:51	0		6	5,927	
						141	0	
3	Sta 800+00 to	900+00	07:36	32		147	331	
	Cell #1 & 2		08:08	0		6	5,927	
						146	0	
4	Sta 800+00 to	900+00	13:07	37		150	339	
	Cell #1 & 2		13:44	0		7	5,927	
						145	0	
5	Sta 800+00 to	900+00	18:46	34		134	314	
	Cell #1 & 2		19:20	0		0	5,927	
						146	0	

PAGE NO.

# QC NARRATIVE(S)

### **GENERAL COMMENTS**

1440 Minutes, 100% Pay

### SAFETY

Heavy thunderstorms late in the evening.

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		

		-	QUA	ALITY	CONTR	OL REPO	RT-HOPPER DREDG	SE.		PA	AGE NO.	F	Page 217 of 279
CONTRACT NO	-	CONTRACT TI	TLE				CONTRACTOR			RE	PORT NO.		
W91278-14-D		Maintenance [	Predging o	of Mobi	ile Harbo	r	Dutra Dredging Comp	any					127
CHARACTER O REPORT	F	X MAINTEN	IANCE		NEW V	VORK					ATE 10/14/2014		
DRED	GE		ER CAP:			4487 CY	AVG VOL OF BIN WAT	ER:	4487 CY	AVG l	JNFILLED CAP	<b>'</b> :	0 CY
Stuyv	esant	NO. OF CF MEMBEF			DREDG 22	E	OTHER PLANT	WORK SCH	HEDULE	SHIFT	rs per day 2		
LOCATION		LOCATION CH	IANNEL		0+00 to 9	GED; STA 00+00, Sta	TO STA ation 900+00 to	DISPOSAL A Open Water 0 1,and 2					JLATIVE AND QTY OSIT FOR DA(CY) 590,131
		AVG LENGTH	OF CUT	10001		10000 FT	AVG WIDTH OF CUT		200 FT	AVG [	DIST TO DUMP	)	27 NM
CHARACT	TER OF	DENSITY OF M	ATERIALS	1				1.45 G			ITER		1.45
MATER		DENSITY OF W	ATER					1.0060 G			ITER@		82 °F
RIVER/		MIN	0.40	TIME		09:24	MAX 1.90	1.90 TIME 00:06 G			LOCATION D	og Ri	ver
STAC	3E	MIN	0.00	TIME	-	00:00	MAX 0.00	0.00 TIME 00:00 G			DATUM M	ILLW	
WEATHER C	ONDITION	WEATHER					TEMP	VISIBILITY			•		
		Weather Caus	ed No Del	ay			59 °F / 75 °F	6 MI	<u> </u>	15 MP	H	—	
		DRAFT						DISTRIBUTI			MILES RUN	. 1	144 50 DUN
	LIGHT		LOADED						AGITATI (MIN)		DREDGE ( HAUL (MIN		MILES RUN (NAUT MI)
FORWARD		17				24	EFFECTIVE WORKING	TIME:					
AFT		29				29	PUMPING:			00:00	0	2:24	0.0
DRAG DEPTH	MAX 0		MIN	1 0			TURNING:			00:00	0	0:00	0.0
INDICATORS	ACT CLIECKED (	NI 00/40/00					TO DUMP:			00:00	0	8:41	0.0
INDICATORS LA	AST CHECKED (	ON 09/13/201	14				CONNECTING:			00:00	0	0:00	0.0
AVERAGE SPEE	ED OF DREDGE	DURING	F	T/MIN		0	DUMPING:			00:00	0	0:25	0.0
LOADING AVERAGE SPEE	ED OF DREDGE	DURING	F	T/MIN		0	DISCONNECTING:			00:00	0	0:00	0.0
AGITATING GALLONS OF F	UEL OIL CONSU	JMED		GAL		8,190	TO CUT:			00:00	0:	9:00	0.0
GALLONS OF W	VATER CONSUM	1ED		GAL		2,000	TOTALS:			00:00	2	0:30	0.0
						2,000	NON-EFFECTIVE WOR	KING TIME:					
		WORK PERFORM	MED				TAKING ON FUEL AND			00:00	0	0:00	0.0
NO OF LOADO		ND HAULING				ATING	TO AND FROM WHARF ANCHORAGE:	_		00:00	0	0:00	0.0
NO.OF LOADS 5	TOTAL CYS 23,708	Cell :	AL AREA 1 & 2			L CYS D	LOSS DUE TO NATURA ELEMENTS:			00:00	0	0:17	0.0
							LOSS DUE TO TRAFFIOR BRIDGES	C AND		00:00	0	0:40	0.0
							MINOR OPERATING R	EPAIRS		00:00	0	2:33	0.0
							TRANSFERRING BETV WORKS	VEEN		00:00	0	0:00	0.0
		L ATTENDANT PL/	ANT				LAY TIME:			00:00	0	0:00	0.0
IT	EM	NAME OF	NUMBER	₹	H.P.	HOURS	FIRE AND BOAT DRILL	.S:		00:00	0	0:00	0.0
40' Cre		Cape			400	12:00	MISCELLANEOUS			00:00	0	0:00	0.0
	w Boat	Оирс	741110		400	12.00	TOTALS			00:00	0	3:30	0.0
							LOST TIME:						
							MAJOR REPAIRS AND ALTERNATIONS			00:00	0	0:00	0.0
							CESSATION:			00:00	0	0:00	0.0
							COLLISIONS:			00:00	0	0:00	0.0
							TOTALS:			00:00	0	0:00	0.0
							TOTAL TIME/MILES:			00:00	2	4:00	0.0

		QUALITY CONTRO	L REPORT-HOPPER	DREDGE		PAGE NO.	Page 218 of 279
CONTRACT NO	D.	CONTRACT TITLE	CONTRACT	OR		REPORT NO	).
W91278-14-D	0-0041 0001	Maintenance Dredging of Mobile Harbor	Dutra Dredgi	ing Company		127	
DREDGE		NAME AND TYPE Stuyvesant				<b>DATE</b> 10/14/2014	1
			LOADS				
LOAD NUMBER		DREDGING AREA DISPOSAL AREA	START TIME STOP TIME	PUMPING TURNING	DUN TO	DUMP MPING CUT	TOTAL TIME DREDGED AMOUNT AGITATED AMOUNT (MIN/CYS)
	Sta 800 to 900		(HH:MM) 00:00	(MIN)		ЛIN) 15	(MIN/CYS)
1	Cell 1 & 2		00:01	0		6	0 0
						-	_
2	Sta 800 to 900		00:29	34		137	321
	Cell 1 & 2		01:03	0		6 144	5,927 0
3	Sta 800 to 900		05:55	33		130	331
Ü	Cell 1 & 2		06:28	0		6 162	5,927 0
4	Sta 800 to 900		11:31	38		154	322
·	Cell 1 & 2		12:09	0		7 123	5,927 0
5	Sta 900 to 1000	0	19:26	38		85	234
Ü	Cell 1 & 2		20:04	0		0 111	5,927 0

### QC NARRATIVE(S)

#### **GENERAL COMMENTS**

1230 Minutes, 100% Pay

57 Minutes, 70% Pay - Weather and Traffic 153 Minutes, 0% Payy - Mechanical Delay with Steering

#### **SAFETY**

Monitoring Steering system. Sperry Technician scheduled for Wednesday morning.

CONTRACTOR CERTIFICATION	material used a	and work performed during t	is Report is complete and correct a his Reporting period are in complia knowledge, except as noted above.	ance with the contract
QC REPRESENTATIVE'S SIGNATURE		DATE	SUPERINTENDENT'S INITIALS	DATE

			QUA	ALITY	CONTR	OL REPO	ORT-HOPPER DREDO	SE .		P	AGE NO.	F	Page 219 of 279
CONTRACT NO		CONTRACT TI					CONTRACTOR			RI	EPORT NO.		
W91278-14-D		Maintenance I	Oredging o	of Mobi	ile Harbo	r	Dutra Dredging Comp	pany			ATE		128
REPORT	'r	X MAINTEN	NANCE		NEW V	VORK					10/15/2014		
DRED	GE	HOPF	PER CAP:			4487 CY	AVG VOL OF BIN WAT	ER:	4487 CY	AVG	UNFILLED CAP	:	0 CY
Stuyv	esant	NO. OF CF MEMBER			DREDG 22	E	OTHER PLANT	WORK SCH	HEDULE	SHIF	TS PER DAY	DA	AYS PER WEEK
LOCATION		LOCATION CH	IANNEL			GED; STA		DISPOSAL A Open Water ( 1,and 2		QTY D GROS		CUMULATIVE AND QTY DEPOSIT FOR DA(CY) 601,985	
		AVG LENGTH	OF CUT	Station		10000 FT		1,4114 2	200 FT	AVG DIST TO DUMP			27 NM
CHARAC <sup>*</sup> MATER		DENSITY OF M	ATERIALS								ITER		1.45
WATE	VIAL	DENSITY OF W	ATER					1			ITER@		82 °F
RIVER/ STAG		MIN	0.40	TIME		09:24					LOCATION Do	og Riv	/er
		MIN	0.00	TIME		00:00					DATUM MI	LLW	
WEATHER C	ONDITION	WEATHER Weather Caus	sed No Del	ay			TEMP   VISIBILITY   WIN			20 MF	'H		
		DRAFT						DISTRIBUT	ION OF TIM	E AND	MILES RUN		
	LIGHT		LOADED						AGITAT (MIN		DREDGE 8 HAUL (MIN		MILES RUN (NAUT MI)
FORWARD		17				24	EFFECTIVE WORKING	TIME:	,	,	•		•
AFT		29				29	PUMPING:			00:00	01	1:39	0.0
DRAG DEPTH	MAX 0		MIN	1 0			TURNING:			00:00	00	0:00	0.0
INDICATOROLI	A OT OUTOUED	2011					TO DUMP:			00:00	05	5:25	0.0
INDICATORS LA	AST CHECKED (	ON 09/13/20 <sup>-</sup>	14				CONNECTING:			00:00	00	0:00	0.0
	ED OF DREDGE	DURING	F	T/MIN		0	DUMPING:			00:00	00	0:19	0.0
	ED OF DREDGE	DURING	F	T/MIN		0	DISCONNECTING:			00:00	00	0:00	0.0
AGITATING GALLONS OF F	UEL OIL CONSU	JMED		GAL			TO CUT:			00:00		4:58	0.0
GALLONS OF V	VATER CONSUN	MED		GAL		1,000	TOTALS:			00:00	12	2:21	0.0
		NODK BEDEOD	AED			1,000	NON-EFFECTIVE WOR						
		WORK PERFORI	MED				TAKING ON FUEL AND TO AND FROM WHARF			00:00		0:00	0.0
NO.OF LOADS	TOTAL CYS	AND HAULING	AL AREA			L CYS	ANCHORAGE: LOSS DUE TO NATURA			00:00		0:00	0.0
4	11,854		1 & 2			0	ELEMENTS: LOSS DUE TO TRAFFI			00:00		0:00	0.0
							BRIDGES			00:00		0:10	0.0
							MINOR OPERATING RI			00:00		1:29	0.0
							WORKS			00:00		0:00	0.0
		ATTENDANT PL	ANT				LAY TIME:	2		00:00		0:00	0.0
IΤ	EM	NAME OF	R NUMBER	₹	H.P.	HOURS	FIRE AND BOAT DRILL MISCELLANEOUS	-5:		00:00		0:00	0.0
40' Cre	w Boat	Cape	Anne		400	12:00	TOTALS			00:00		1:39	0.0
							LOST TIME:			00.00		.39	0.0
							MAJOR REPAIRS AND			00:00	T 00	0:00	0.0
							ALTERNATIONS CESSATION:			00:00		0:00	0.0
							COLLISIONS:			00:00		0:00	0.0
							TOTALS:			00:00		0:00	0.0
							TOTAL TIME/MILES:			00:00		4:00	0.0
						<u> </u>	l .						

	REPORT NO		
		128	
	<b>DATE</b> 10/15/2014		
DUN	MPING	TOTAL TIME DREDGED AMOUNT AGITATED AMOUNT	
(1)		(MIN/CYS)	
	55	63	
	7	0	
	0	0	
	137	333	
	6	5,927	
	129	0	
	133	311	
	6	5,927	
	136	0	
	0	34	
	0	0	
	33	0	
	DUI TC (I	7 0 137 6 129 133 6 136	

### **GENERAL COMMENTS**

741 Minutes, 100% Pay
10 Minutes, 70% Pay Traffic
689 Minutes, 0% Pay - Mechanical Delay with Steering

### **SAFETY**

Monitoring Steering system. Sperry Technician out for repairs

CONTRACTOR CERTIFICATION	material used an	nd work performed during t	is Report is complete and correct a his Reporting period are in complia knowledge, except as noted above.	nce with the contract
QC REPRESENTATIVE'S SIGNATURE		DATE	SUPERINTENDENT'S INITIALS	DATE

			QUA	LITY	CONTR	OL REPO	ORT-HOPPER DREDO	GE		PA	AGE NO.	P	age 221 of 279
CONTRACT NO W91278-14-D		CONTRACT TI		of Moh	ile Harbo	r	CONTRACTOR  Dutra Dredging Comp	nany		RE	PORT NO.		129
CHARACTER C		X MAINTEN			NEW \		Dutta Broaging Comp	July			<b>ATE</b> 10/16/2014		123
DREI	DGE	HOPF	PER CAP:			4487 CY	AVG VOL OF BIN WAT	ER:	4487 CY		UNFILLED CAP	·:	0 CY
Stuyv	vesant	NO. OF CF MEMBER			DREDG 22	iE	OTHER PLANT	WORK SCI	HEDULE	SHIFT	TS PER DAY	DA	YS PER WEEK
LOCATI WOI		LOCATION CH			H DREDO	SED; STA	TO STA	DISPOSAL A Open Water 1,and 2		QTY D GROS	EPOSITED C		JLATIVE AND QTY OSIT FOR DA(CY) 619,766
		AVG LENGTH	OF CUT			10000 FT	AVG WIDTH OF CUT		200 FT	AVG E	DIST TO DUMP		27 NM
CHARAC		DENSITY OF M	ATERIALS	RIALS					1.45	GMS/L	ITER		1.45
MATE	RIAL	DENSITY OF W	ATER						1.0060	GMS/L	ITER@		82 °F
RIVER		MIN	0.40	TIME		09:24	MAX 1.90	TIME	00:06	GAGE	LOCATION Do	og Riv	er er
STA	GE	MIN	0.00	TIME		00:00	MAX 0.00	TIME	00:00	GAGE	DATUM MI	LLW	
WEATHER C	CONDITION	WEATHER Weather Cour	and No Dol	01/			TEMP 56 °F / 78 °F	VISIBILITY 6 MI		WIND 5 MPH			
		Weather Cause  DRAFT	sea no Dei	ay			50 F / 76 F	•	•		MILES RUN		
	LIGHT		LOADED						AGITAT (MIN		DREDGE 8		MILES RUN (NAUT MI)
FORWARD		17				24	EFFECTIVE WORKING	TIME:	(IVIII V	'/	TIVOL (WIII)	,	(IV/OT WII)
AFT		29				29	PUMPING:				01	1:53	0.0
DRAG DEPTH	MAX 0		MIN	0			TURNING:			00:00	00	0:00	0.0
							TO DUMP:			00:00	06	6:39	0.0
INDICATORS L	AST CHECKED (	ON 09/13/20 <sup>-</sup>	14				CONNECTING:			00:00	00	0:00	0.0
	ED OF DREDGE	DURING	F	Γ/ΜΙΝ		0	DUMPING:			00:00	00	0:23	0.0
LOADING AVERAGE SPE	ED OF DREDGE	DURING	F	Γ/ΜΙΝ		0	DISCONNECTING:			00:00	00	0:00	0.0
AGITATING GALLONS OF F	FUEL OIL CONSI	JMED		GAL			то сит:			00:00	07	7:34	0.0
GALLONS OF V	VATER CONSUM	ИED		GAL			TOTALS:			00:00	16	6:29	0.0
07.220.10 0				0,		1,000	NON-EFFECTIVE WOR	RKING TIME:			•		
	,	WORK PERFORI	MED	ı			TAKING ON FUEL AND			00:00	00	0:00	0.0
NO.OF LOADS		AND HAULING	AL AREA			ATING	TO AND FROM WHAR!			00:00	00	0:00	0.0
4	TOTAL CYS 17,781		1 & 2			L CYS 0	LOSS DUE TO NATURA ELEMENTS:			00:00	00	0:00	0.0
							LOSS DUE TO TRAFFI BRIDGES	C AND		00:00	00	0:25	0.0
							MINOR OPERATING R TRANSFERRING BETV			00:00		6:55	0.0
							WORKS	VEEIN		00:00		0:00	0.0
		ATTENDANT PL	ANT				LAY TIME:			00:00		0:00	0.0
IT	ЕМ	NAME OF	NUMBER	R	H.P.	HOURS	FIRE AND BOAT DRILL	_S:		00:00		0:00	0.0
40' Cre	ew Boat	Cape	Anne		400	12:00	MISCELLANEOUS			00:00		0:11	0.0
							TOTALS			00:00	07	7:31	0.0
							LOST TIME:  MAJOR REPAIRS AND				<del></del>		
							ALTERNATIONS			00:00		0:00	0.0
							CESSATION:			00:00		0:00	0.0
							COLLISIONS:			00:00		0:00	0.0
							TOTAL TIME (MILES)			00:00		0:00	0.0
							TOTAL TIME/MILES:			00:00	24	4:00	0.0

		QUALITY CONTROL	REPORT-HOPPER	DREDGE		PAGE NO.	Page 222 of 279
CONTRACT NO	).	CONTRACT TITLE	CONTRACTO	OR		REPORT NO	).
W91278-14-D	0-0041 0001	Maintenance Dredging of Mobile Harbor	Dutra Dredgi	ng Company			129
DREDGE		NAME AND TYPE Stuyvesant				<b>DATE</b> 10/16/201	4
		· ·	LOADS			•	
LOAD NUMBER		DREDGING AREA DISPOSAL AREA	START TIME STOP TIME	PUMPING TURNING	DUI	DUMP MPING CUT	TOTAL TIME DREDGED AMOUNT AGITATED AMOUNT
			(HH:MM)	(MIN)		MIN)	(MIN/CYS)
1	Sta 900+00 to	1000+00	06:55	39		131	290
	Cell 1 & 2		07:34	0		9	5,927
						111	0
2	Sta 900+00 to	1000+00	11:45	37		140	317
	Cell 1 & 2		12:22	0		5	5,927
						135	0
3	Sta 900+00 to	1000+00	17:13	36		128	317
	Cell 1 & 2		17:49	0		9	5,927
						144	0
4	Sta 900+00 to	1000+00	22:55	1		0	65
	Cell 1 & 2		22:56	0		0	0
						64	0

#### SAFETY

Monitoring Steering system. Sperry Technician out for repairs

### **GENERAL COMMENTS**

989 Minutes, 100% Pay 36 Minutes, 70% Pay Traffic & Crewboat 415 Minutes, 0% Pay - Mechanical Delay with Steering

CONTRACTOR CERTIFICATION	material used an	nd work performed during t	is Report is complete and correct a his Reporting period are in complia knowledge, except as noted above.	nce with the contract
QC REPRESENTATIVE'S SIGNATURE		DATE	SUPERINTENDENT'S INITIALS	DATE

			QUA	ALITY	CONTR	OL REPO	ORT-HOPPE	R DREDO	<b>SE</b>		PA	AGE NO.	F	Page 223 of 279
CONTRACT NO		CONTRACT TI					CONTRAC				RE	PORT NO.		
W91278-14-D CHARACTER O		Maintenance I		of Mob			Dutra Dred	dging Comp	pany			ATE		130
REPORT	•	X MAINTEN	NANCE		NEW V	VORK	1					10/17/2014		
DRED	GE		PER CAP:			4487 CY	AVG VOL O	F BIN WAT	ER:	4487 CY	AVG l	JNFILLED CAP	:	0 CY
Stuyv	esant	NO. OF CF MEMBER			DREDG 22	E	OTHER I	PLANT	WORK SCI	HEDULE	SHIFT	rs per day	DA	YS PER WEEK
LOCATIO		LOCATION CH	IANNEL	REAC		SED; STA			DISPOSAL A		QTY D	EPOSITED (		JLATIVE AND QTY OSIT FOR DA(CY)
WOF	RK	Mobile Harbor		Station	n 900+00	to 1000+0	0		Open Water 1,and 2	Cell	UKO0.	29,635		649,401
		AVG LENGTH	OF CUT			10000 FT	AVG WIDTH	H OF CUT		200 FT	AVG [	DIST TO DUMP		27 NM
CHARACT	TER OF	DENSITY OF M	MATERIALS 1.45				GMS/L	ITER		1.45				
MATER	RIAL	DENSITY OF W	ATER					1.0060 G			GMS/L	ITER@		82 °F
RIVER/		MIN	0.40	TIME		09:24	MAX	1.90	TIME	00:06	GAGE	LOCATION Do	og Riv	ver
SIA	<b>JL</b>	MIN	0.00	TIME		00:00	MAX	0.00	TIME	00:00	GAGE	DATUM MI	LLW	
WEATHER C	ONDITION	WEATHER Weather Caus	sed No Del	av			TEMP	80 °F	VISIBILITY 6 MI		WIND 12 MP	н		
		DRAFT	300 TTO DOI	шу			51 °F / 80 °F   6 MI   12  DISTRIBUTION OF TIME A							
	LIGHT		LOADED							AGITA (MIN		DREDGE &		MILES RUN (NAUT MI)
FORWARD		17				24	EFFECTIVE	WORKING	TIME:	(14111	<b>1</b> )	TIN COL (WIII)		(IV/OT IVII)
AFT		29				29	PUMPING:				00:00		3:00	0.0
DRAG DEPTH	MAX 0		LMIN	1 0			TURNING:				00:00	00	0:00	0.0
							TO DUMP:				00:00	08	9:55	0.0
INDICATORS LA	AST CHECKED (	ON 09/13/20 <sup>-</sup>	14				CONNECTIN	IG:			00:00	00	0:00	0.0
AVERAGE SPE	ED OF DREDGE	DURING	F	T/MIN		0	DUMPING:				00:00	00	0:24	0.0
LOADING AVERAGE SPE	ED OF DREDGE	DURING	F	T/MIN			DISCONNEC	CTING:			00:00	00	0:00	0.0
AGITATING GALLONS OF F	UEL OIL CONSI	JMED		GAL		0	TO CUT:				00:00	1(	0:41	0.0
GALLONS OF V				GAL		7,392	TOTALS:				00:00	24	4:00	0.0
0/1220110 01 1				0,12		1,300	NON-EFFEC	TIVE WOR	KING TIME:	ı				
	<u>'</u>	WORK PERFORI	MED				TAKING ON				00:00	00	0:00	0.0
NO OF LOADS		AND HAULING	AL ADEA			ATING	TO AND FRO	E:			00:00	00	0:00	0.0
NO.OF LOADS 5	TOTAL CYS 29,635		AL AREA 8 & 9			L CYS	LOSS DUE T				00:00	00	0:00	0.0
							LOSS DUE 1 BRIDGES	IO IRAFFI	C AND		00:00	00	0:00	0.0
							MINOR OPE				00:00	00	0:00	0.0
							TRANSFERI WORKS	KING BETV	VEEN		00:00	00	0:00	0.0
		ATTENDANT PL	ANT				LAY TIME:				00:00	00	0:00	0.0
IT	EM	NAME OF	R NUMBER	₹	H.P.	HOURS	FIRE AND B		-S:		00:00		0:00	0.0
40' Cre	w Boat	Cape	Anne		400	12:00	MISCELLAN	EOUS			00:00		0:00	0.0
							TOTALS				00:00	00	0:00	0.0
							LOST TIME: MAJOR REF							
							ALTERNATION	ONS			00:00		0:00	0.0
							CESSATION				00:00		0:00	0.0
							COLLISIONS	o:			00:00		0:00	0.0
							TOTALS:	-/NAU ===			00:00		0:00	0.0
							TOTAL TIME	:/MILES:			00:00	24	4:00	0.0

		QUALITY CONTROL	. REPORT-HOPPER	DREDGE		PAGE NO.	Page 224 of 279
CONTRACT NO	D.	CONTRACT TITLE	CONTRACTO	OR		REPORT N	O.
W91278-14-I	D-0041 0001	Maintenance Dredging of Mobile Harbor	Dutra Dredgii	ng Company			130
DREDGE		NAME AND TYPE Stuyvesant				<b>DATE</b> 10/17/20	14
			LOADS				
LOAD NUMBER		DREDGING AREA DISPOSAL AREA	START TIME STOP TIME (HH:MM)	PUMPING TURNING (MIN)	DUM TO	DUMP MPING CUT MIN)	TOTAL TIME DREDGED AMOUNT AGITATED AMOUNT (MIN/CYS)
1	Sta 900+00 to	0 1000+00	00:00	33		138	248
•	Cell 8 & 9		00:33	0		6	5,927
						71	0
2	Sta 900+00 to	0 1000+00	04:08	32		142	311
	Cell 8 & 9		04:40	0		6	5,927
						131	0
3	Sta 900+00 to	o 1000+00	09:19	38		141	320
	Cell 8 & 9		09:57	0		6	5,927
						135	0
4	Sta 900+00 to	0 1000+00	14:39	42		152	346
	Cell 8 & 9		15:21	0		6	5,927
						146	0
5	Sta 900+00 to	0 1000+00	20:25	35		22	215
-	Cell 8 & 9		21:00	0		0	5,927
						158	0

**GENERAL COMMENTS** 

CONTRACTOR CERTIFICATION	material used a	and work performed during t	is Report is complete and correct a his Reporting period are in complia knowledge, except as noted above.	ance with the contract
QC REPRESENTATIVE'S SIGNATURE		DATE	SUPERINTENDENT'S INITIALS	DATE

			QUA	LITY	CONTR	OL REPO	ORT-HOPPER DREDG	SE .		PA	AGE NO.	F	Page 225 of 279
CONTRACT NO		CONTRACT TI					CONTRACTOR			RE	EPORT NO.		
W91278-14-D CHARACTER O		Maintenance I	Oredging o	of Mobi	ile Harbo	r	Dutra Dredging Comp	any		-	ATE		131
REPORT	· F	X MAINTEN	IANCE		NEW V	WORK					10/18/2014		
DRED	GE	HOPF	ER CAP:			4487 CY	AVG VOL OF BIN WAT	ER:	4487 CY	AVG I	UNFILLED CAP	:	0 CY
Stuyv	esant	NO. OF CF MEMBER			DREDG 22	iΕ	OTHER PLANT	WORK SCH	HEDULE	SHIF	TS PER DAY		
LOCATIO		LOCATION CH	IANNEL	REAC		GED; STA		DISPOSAL A Open Water					JLATIVE AND QTY OSIT FOR DA(CY)
WOF	KK.	Mobile Harbor		Station	900+00	to 1000+0	0 I	1,and 2	3011		23,708		673,109
		AVG LENGTH	OF CUT			10000 FT	AVG WIDTH OF CUT		200 FT	AVG [	DIST TO DUMP		27 NM
CHARAC		DENSITY OF M	ATERIALS						1.45	GMS/L	ITER		1.45
MATER	RIAL	DENSITY OF W	ATER					1.0060 GI			ITER@		82 °F
RIVER/ STAC		MIN	0.40	TIME		09:24	MAX 1.90	TIME	00:06	GAGE	LOCATION Do	og Riv	/er
OIA	<i>,</i> _	MIN	0.00	TIME		00:00	MAX 0.00	TIME	00:00	GAGE	DATUM M	LLW	
WEATHER C	ONDITION	WEATHER Weather Caus	od No Dol	2)/			TEMP 64 °F / 84 °F	VISIBILITY 6 MI		WIND 25 MP	<u> </u>		
		DRAFT	sed NO Dei	ay			04 1 7 04 1	•			MILES RUN		
	LIGHT		LOADED						AGITAT (MIN		DREDGE 8 HAUL (MIN		MILES RUN (NAUT MI)
FORWARD		17				24	EFFECTIVE WORKING	TIME:	(Will V	<u> </u>	TINOE (WIII)	./	(TUTOT IVII)
AFT		29				29	PUMPING:	0			0:	2:16	0.0
DRAG DEPTH	MAX 0		MIN	0			TURNING:			00:00	00	0:00	0.0
510.00 521 111							TO DUMP:		00:00		1	1:17	0.0
INDICATORS LA	AST CHECKED (	ON 09/13/20 <sup>-</sup>	14				CONNECTING:			00:00	00	0:00	0.0
AVERAGE SPE	ED OF DREDGE	DURING	F	T/MIN			DUMPING:			00:00	00	0:30	0.0
LOADING AVERAGE SPE	ED OF DREDGE	DURING		T/MIN		0	DISCONNECTING:			00:00	00	0:00	0.0
AGITATING	UEL OIL CONSU		-	GAL		0	то сит:			00:00	0:	9:57	0.0
	VATER CONSUM			GAL		7,560	TOTALS:			00:00	24	4:00	0.0
GALLONS OF V	VATER CONSUM	ILED		GAL		1,500	NON-EFFECTIVE WOR	KING TIME:					
		WORK PERFORI	/IED				TAKING ON FUEL AND	SUPPLIES		00:00	00	0:00	0.0
		ND HAULING				ATING	TO AND FROM WHARF ANCHORAGE:	OR		00:00	00	0:00	0.0
NO.OF LOADS 6	TOTAL CYS 23,708		AL AREA 1 & 2			L CYS 0	LOSS DUE TO NATURA ELEMENTS:	AL		00:00	00	0:00	0.0
							LOSS DUE TO TRAFFI BRIDGES	C AND		00:00	00	0:00	0.0
							MINOR OPERATING R			00:00	00	0:00	0.0
							TRANSFERRING BETV WORKS	VEEN		00:00	00	0:00	0.0
		ATTENDANT PL	ANT				LAY TIME:			00:00	00	0:00	0.0
IT	EM	NAME OF	NUMBER	2	H.P.	HOURS	FIRE AND BOAT DRILL	.S:		00:00	00	0:00	0.0
40' Cre	w Boat		Anne		400	12:00	MISCELLANEOUS			00:00	00	0:00	0.0
		Саро				12.00	TOTALS			00:00	00	0:00	0.0
							LOST TIME:						
							MAJOR REPAIRS AND ALTERNATIONS			00:00	00	0:00	0.0
							CESSATION:			00:00	00	0:00	0.0
							COLLISIONS:			00:00	00	0:00	0.0
							TOTALS:			00:00	00	0:00	0.0
							TOTAL TIME/MILES:			00:00	24	4:00	0.0

		QUALITY CONTRO	L REPORT-HOPPER	DREDGE	PAGE NO.	
		TOOKING	E KEI OKT-HOLLEK	DIVERGE		Page 226 of 279
CONTRACT NO	<b>o</b> .	CONTRACT TITLE	CONTRACT	OR	REPORT N	0.
W91278-14-[	D-0041 0001	Maintenance Dredging of Mobile Harbor	Dutra Dredgi	ng Company		131
DREDGE		NAME AND TYPE			DATE	
DREDGE		Stuyvesant			10/18/201	4
			LOADS			
LOAD NUMBER		DREDGING AREA DISPOSAL AREA	START TIME STOP TIME	PUMPING TURNING	TO DUMP DUMPING TO CUT	TOTAL TIME DREDGED AMOUNT AGITATED AMOUNT
			(HH:MM)	(MIN)	(MIN)	(MIN/CYS)
1	Sta 900+00 to	1000+00	00:00	1	118	125
•	Cell 1 & 2		00:01	0	6	0
					0	0
2	Sta 900+00 to	1000+00	02:05	38	138	313
_	Cell 1 & 2		02:43	0	7	5,927
					130	0
3	Sta 900+00 to	1000+00	07:18	30	137	308
	Cell 1 & 2		07:48	0	6	5,927
					135	0
4	Sta 900+00 to	1000+00	12:26	33	142	315
	Cell 1 & 2		12:59	0	6	5,927
					134	0
5	Sta 900+00 to	1000+00	17:41	33	142	312
-	Cell 1 & 2		18:14	0	5	5,927
					132	0
6	Sta 900+00 to	1000+00	22:53	1	0	67
-	Cell 1 & 2		22:54	0	0	0
	55 1 5.2				66	0

**GENERAL COMMENTS** 

CONTRACTOR CERTIFICATION	material used and work perform	ertify that this Report is complete and correct med during this Reporting period are in comp best of my knowledge, except as noted abou	liance with the contract
QC REPRESENTATIVE'S SIGNATURE	DATE	SUPERINTENDENT'S INITIALS	DATE

			QUA	ALITY	CONTR	OL REPO	ORT-HOPPER DREDG	SE .		P	AGE NO.	F	Page 227 of 279
CONTRACT NO		CONTRACT TI					CONTRACTOR			RI	EPORT NO.		
W91278-14-D CHARACTER O		Maintenance I	Oredging o	of Mobi			Dutra Dredging Comp	any			ATE		132
REPORT	'r	X MAINTEN	NANCE		NEW V	VORK					10/19/2014		
DRED	GE	HOPF	PER CAP:			4487 CY	AVG VOL OF BIN WAT	ER:	4487 CY	AVG	UNFILLED CAP	:	0 CY
Stuyv	esant	NO. OF CF MEMBER			DREDG 22	E	OTHER PLANT	WORK SCH	HEDULE	SHIF	TS PER DAY	DAYS PER WEEK	
LOCATION		LOCATION CH	IANNEL			GED; STA		DISPOSAL A Open Water ( 1,and 2		QTY D GROS		CUMULATIVE AND QTY DEPOSIT FOR DA(CY)	
		AVG LENGTH	OF CUT	Otation		10000 FT	AVG WIDTH OF CUT	1,4.14	200 FT	AVG I	DIST TO DUMP		27 NM
CHARAC		DENSITY OF M	ATERIALS	3				1.45			ITER		1.45
MATER	RIAL	DENSITY OF W	ATER					1.0060 GI			ITER@		82 °F
RIVER/		MIN	0.40	TIME		09:24	MAX 1.90	1.90 TIME 00:06 GA			LOCATION Do	g Riv	/er
STAC	JE.	MIN	0.00	TIME		00:00	MAX 0.00	AX 0.00 TIME 00:00 GA			DATUM MI	LLW	
WEATHER C	ONDITION	WEATHER Weather Caus	sed No Del	lav			TEMP 54 °F / 75 °F	VISIBILITY 6 MI		WIND 20 MF	'H		
		DRAFT						DISTRIBUT	ION OF TIM	E AND	MILES RUN		
	LIGHT		LOADED						AGITAT (MIN		DREDGE 8 HAUL (MIN		MILES RUN (NAUT MI)
FORWARD		17				24	EFFECTIVE WORKING	TIME:	,	,	<del>'</del>		
AFT		29				29	PUMPING:			00:00	02	2:37	0.0
DRAG DEPTH	MAX 0		MIN	1 0			TURNING:			00:00	00	0:00	0.0
INDICATORS	A OT OUTOUED	201					TO DUMP:		00:0		10	0:46	0.0
INDICATORS LA	AST CHECKED (	ON 09/13/20 <sup>-</sup>	14				CONNECTING:			00:00	00	0:00	0.0
	ED OF DREDGE	DURING	F	T/MIN		0	DUMPING:			00:00	00	0:25	0.0
LOADING AVERAGE SPE	ED OF DREDGE	DURING	F	T/MIN		0	DISCONNECTING:			00:00	00	0:00	0.0
AGITATING GALLONS OF F	UEL OIL CONSU	JMED		GAL			то сит:			00:00	10	0:12	0.0
GALLONS OF V	VATER CONSUN	MED		GAL			TOTALS:			00:00	24	4:00	0.0
						1,200	NON-EFFECTIVE WOR	KING TIME:				<del></del>	
		WORK PERFORI	MED				TAKING ON FUEL AND			00:00	00	0:00	0.0
NO.OF LOADS	TOTAL CYS	ND HAULING	AL AREA			L CYS	TO AND FROM WHARF ANCHORAGE:			00:00	00	0:00	0.0
5	29,635		1 & 2			0	LOSS DUE TO NATURA ELEMENTS: LOSS DUE TO TRAFFIO			00:00		0:00	0.0
							BRIDGES			00:00	00	0:00	0.0
							MINOR OPERATING RI			00:00		0:00	0.0
							WORKS	VEEN		00:00		0:00	0.0
		ATTENDANT PL	ANT				LAY TIME:			00:00		0:00	0.0
IT	ЕМ	NAME OF	RNUMBER	₹	H.P.	HOURS	FIRE AND BOAT DRILL	.S: 		00:00		0:00	0.0
40' Cre	w Boat	Cape	Anne		400	12:00	MISCELLANEOUS			00:00		0:00	0.0
							TOTALS			00:00	00	0:00	0.0
							LOST TIME:  MAJOR REPAIRS AND				T		
							ALTERNATIONS			00:00		0:00	0.0
							CESSATION:			00:00		0:00	0.0
							COLLISIONS:			00:00		0:00	0.0
							TOTAL TIME/MILES:			00:00		0:00	0.0
							TOTAL TIME/MILES:			00:00	1 24	4:00	0.0

		QUALITY CONTROL	L REPORT-HOPPER	DREDGE	P	PAGE NO.	Page 228 of 279
CONTRACT NO	<u></u> ).	CONTRACT TITLE	CONTRACTO	OR	F	REPORT NO	
W91278-14-D	)-0041 0001	Maintenance Dredging of Mobile Harbor	Dutra Dredgir	ng Company			132
DREDGE	,	NAME AND TYPE Stuyvesant	,	,	Г	<b>DATE</b> 10/19/2014	4
		1 ,	LOADS				
LOAD NUMBER		DREDGING AREA DISPOSAL AREA	START TIME STOP TIME (HH:MM)	PUMPING TURNING (MIN)	TO DU DUMP TO C (MIN	PING CUT	TOTAL TIME DREDGED AMOUNT AGITATED AMOUNT (MIN/CYS)
1	Sta 900+00 to	o 1000+00	00:00	31	13	,	247
	Cell 1 & 2		00:31	0	6	3	5,927
	OGII I G Z				79	9	0
2	Sta 900+00 to	<i>3</i> 1000+00	04:07	33	14	43	318
	Cell 1 & 2		04:40	0	6		5,927 0
	Ot- 000 : 00 t	1000 00	00:05	24			
3	Sta 900+00 to	7 1000+00	09:25	34 0	14		317
	Cell 1 & 2		09:59	l	6 13		5,927 0
4	Sta 900+00 to	0 1000+00	14:42	32	13	36	310
٦	Cell 1 & 2		15:14	0	7	7	5,927
	0011 22				13	35	0
5	Sta 900+00 to	J 1000+00	19:52	27	91	1	248
-	Cell 1 & 2		20:19	0	0	)	5,927
			Į.	i	13	30	0

### **GENERAL COMMENTS**

CONTRACTOR CERTIFICATION	material used a	and work performed during t	is Report is complete and correct a his Reporting period are in complia knowledge, except as noted above.	nnce with the contract
QC REPRESENTATIVE'S SIGNATURE		DATE	SUPERINTENDENT'S INITIALS	DATE

			QUA	LITY	CONTR	OL REPO	ORT-HOPPER DREDO	3E		P	AGE NO.	Р	age 229 of 279
CONTRACT NO		CONTRACT TI					CONTRACTOR			RI	EPORT NO.		
W91278-14-D		Maintenance I	Oredging o	of Mobi	ile Harbo	r	Dutra Dredging Comp	pany					133
CHARACTER C REPORT	)F	X MAINTEN	NANCE		NEW V	WORK					ATE 10/20/2014		
DRED	OGE	HOPF	PER CAP:			4487 CY	AVG VOL OF BIN WAT	ER:	4487 CY	AVG	UNFILLED CAP:	:	0 CY
Stuyv	esant	NO. OF CF MEMBEF			DREDG	iΕ	OTHER PLANT	WORK SC	HEDULE	SHIF	TS PER DAY	DA'	YS PER WEEK
		LOCATION OF	IANINIEI	DEAG	22	NED 074	2	DISPOSAL A	RFA USF	OTY	2 DEPOSITED C	:HMI I	7 ILATIVE AND QTY
LOCATION WOR		LOCATION CH				GED; STA		Open Water			SS(CY)		OSIT FOR DA(CY)
		Mobile Harbor  AVG LENGTH		Station		to 1000+0 10000 FT	AVG WIDTH OF CUT	T,and 2	200 FT	AVG	23,708 DIST TO DUMP		726,452 27 NM
		DENSITY OF M.	ΔΤΕΡΙΔΙ S						1.45	GMS/L	ITER		1.45
CHARAC MATE											<u> </u>		
		DENSITY OF W	ATER					1	1.0060	GMS/L	.ITER@ ————		82 °F
RIVER/ STA		MIN	0.40	TIME		09:24	MAX 1.90	TIME	00:06	GAGE	LOCATION Do	og Riv	er
SIA	GE	MIN	0.00	TIME		00:00	MAX 0.00	TIME	00:00	GAGE	DATUM ML	LLW	
WEATHER C	CONDITION	WEATHER Weather Caus	ed No Del	21/			TEMP 48 °F / 78 °F	VISIBILITY 6 MI		WIND 8 MPI			
		DRAFT	SCG 140 DCI	шу			40 1 770 1	•			MILES RUN		
	LIGHT		LOADED						AGITAT		DREDGE 8		MILES RUN
FORWARD	LIOITI	17	LOADED			24	EFFECTIVE WORKING	TIME:	(MIN	l)	HAUL (MIN	.)	(NAUT MI)
AFT		29				29	PUMPING:				02	2:41	0.0
DRAG DEPTH	MAX 0		MIN	0			TURNING:			00:00	00	0:00	0.0
DIVAG DEF III	WAX 0		IVIIIN	0			TO DUMP:			00:00	) 10	0:10	0.0
INDICATORS L	AST CHECKED (	ON 09/13/20 <sup>-</sup>	14				CONNECTING:			00:00	) 00	0:00	0.0
AVERAGE SPE	ED OF DREDGE	DURING	F1	Γ/ΜΙΝ			DUMPING:			00:00	00	0:32	0.0
LOADING AVERAGE SPE	ED OF DREDGE	DURING	F1	Γ/ΜΙΝ		0	DISCONNECTING:			00:00	00	0:00	0.0
AGITATING	UEL OIL CONSI			GAL		0	TO CUT:			00:00	10	0:37	0.0
	VATER CONSUM			GAL			TOTALS:			00:00	24	4:00	0.0
GALLEGING OF V				0,12		1,200	NON-EFFECTIVE WOR	RKING TIME:	ī				
	,	WORK PERFORM	MED				TAKING ON FUEL AND			00:00	00	0:00	0.0
NO.OF LOADS		AND HAULING	AL AREA			ATING	TO AND FROM WHARF			00:00	00	0:00	0.0
6	TOTAL CYS 23,708		1 & 2			L CYS 0	LOSS DUE TO NATURA			00:00	00	0:00	0.0
							LOSS DUE TO TRAFFI			00:00		0:00	0.0
							MINOR OPERATING R TRANSFERRING BETV			00:00		0:00	0.0
							WORKS	VEEIN		00:00		0:00	0.0
		ATTENDANT PL	ANT				LAY TIME:			00:00		0:00	0.0
IT	EM	NAME OF	NUMBER	2	H.P.	HOURS	FIRE AND BOAT DRILL	_S:		00:00		0:00	0.0
40' Cre	ew Boat	Cape	Anne		400	12:00	MISCELLANEOUS			00:00		0:00	0.0
							TOTALS			00:00	00	0:00	0.0
							LOST TIME:  MAJOR REPAIRS AND			00.00	T 0/	2:00	
							ALTERNATIONS CESSATION:			00:00		0:00	0.0
							COLLISIONS:			00:00		0:00	0.0
							TOTALS:			00:00		0:00	0.0
							TOTALS.  TOTAL TIME/MILES:			00:00		4:00	0.0
<u> </u>						<u> </u>			<u> </u>	30.00			

		QUALITY CONTROL	L REPORT-HOPPER	DREDGE	PAGE NO.	Page 230 of 279
CONTRACT NO	o.	CONTRACT TITLE	CONTRACTO	OR	REPORT N	0.
W91278-14-I	D-0041 0001	Maintenance Dredging of Mobile Harbor	Dutra Dredgi	ng Company		133
DREDGE		NAME AND TYPE			<b>DATE</b> 10/20/201	14
		Stuyvesant			10/20/20	
			LOADS			
LOAD NUMBER		DREDGING AREA DISPOSAL AREA	START TIME STOP TIME	PUMPING TURNING	TO DUMP DUMPING TO CUT	TOTAL TIME DREDGED AMOUNT AGITATED AMOUNT
			(HH:MM)	(MIN)	(MIN)	(MIN/CYS)
1	Sta 900+00 to	0 1000+00	00:00 00:01	1 0	47 7	55 0
	Cell 1 & 2		00.01	o o	0	0
2	Sta 900+00 to	0 1000+00	00:55	35	140	319
	Cell 1 & 2		01:30	0	6	5,927
					138	0
3	Sta 900+00 to	1000+00	06:14	29	138	311
	Cell 1 & 2		06:43	0	6	5,927
					138	0
4	Sta 900+00 to	1000+00	11:25	45	133	321
	Cell 1 & 2		12:10	0	6	5,927
					137	0
5	Sta 900+00 to	1000+00	16:46	50	152	343
	Cell 1 & 2		17:36	0	7	5,927
					134	0
6	Sta 900+00 to	1000+00	22:29	1	0	91
	Cell 1 & 2		22:30	0	0	0
					90	0

**GENERAL COMMENTS** 

CONTRACTOR CERTIFICATION	material used and work pe	r, I certify that this Report is complete and corre rformed during this Reporting period are in cor o the best of my knowledge, except as noted ab	npliance with the contract
QC REPRESENTATIVE'S SIGNATURE	DATE	SUPERINTENDENT'S INITIALS	DATE

			QUA	ALITY	CONTR	OL REPO	ORT-HOPPER DREDO	GE		PA	AGE NO.	P	age 231 of 279
CONTRACT NO W91278-14-D		CONTRACT TI		of Moh	ile Harbo	r	CONTRACTOR  Dutra Dredging Comp	nany		RE	EPORT NO.		134
CHARACTER C		X MAINTEN			NEW \		Dutta Broaging Comp	July			<b>ATE</b> 10/21/2014		134
DRED	OGE	HOPF	PER CAP:			4487 CY	AVG VOL OF BIN WAT	ER:	4487 CY	AVG l	UNFILLED CAP	1:	0 CY
Stuyv	resant	NO. OF CF MEMBER			DREDG 22	βE	OTHER PLANT	WORK SCI	HEDULE	SHIFT	TS PER DAY	DA	YS PER WEEK
LOCATIO WOR		LOCATION CH	IANNEL		H DREDO	GED; STA to 1000+0	TO STA	DISPOSAL A Open Water 1,and 2		QTY D GROS	EPOSITED (		LATIVE AND QTY OSIT FOR DA(CY) 756,087
		AVG LENGTH	OF CUT			10000 FT	AVG WIDTH OF CUT		200 FT	AVG E	DIST TO DUMP		27 NM
CHARAC		DENSITY OF M	ATERIALS	}					1.45	GMS/L	ITER		1.45
MATE	RIAL	DENSITY OF W	ATER						1.0060	GMS/L	ITER@		82 °F
RIVER/ STA		MIN	0.40	TIME		09:24	MAX 1.90	TIME	00:06	GAGE	LOCATION Do	og Riv	er
SIA	JE.	MIN	0.00	TIME		00:00	MAX 0.00	TIME	00:00	GAGE	DATUM MI	LLW	
WEATHER C	ONDITION	WEATHER	and No Dol	lau.			TEMP	VISIBILITY		WIND			
		Weather Cause  DRAFT	sea No Dei	lay			52 °F / 81 °F	DISTRIBUT		10 MP	MILES RUN		
	LIGHT		LOADED						AGITAT (MIN		DREDGE &		MILES RUN (NAUT MI)
FORWARD		17				24	EFFECTIVE WORKING	TIME:	(IVIII V	'/	TIVOE (WIII)	,	(IV/CT WII)
AFT		29				29	PUMPING:			00:00	00	3:28	0.0
DRAG DEPTH	MAX 0		MIN	1 0			TURNING:			00:00	00	0:00	0.0
							TO DUMP:			00:00	10	0:13	0.0
INDICATORS L	AST CHECKED (	ON 09/13/20 <sup>-</sup>	14				CONNECTING:			00:00	00	0:00	0.0
AVERAGE SPE	ED OF DREDGE	DURING	F	T/MIN		0	DUMPING:			00:00	00	0:23	0.0
LOADING AVERAGE SPE	ED OF DREDGE	DURING	F	T/MIN			DISCONNECTING:			00:00	00	0:00	0.0
AGITATING	UEL OIL CONSU	IMED		GAL		0	TO CUT:			00:00	06	9:56	0.0
	VATER CONSUM			GAL			TOTALS:			00:00	24	4:00	0.0
GALLEGING OF V	THE CONTON			O/\L		800	NON-EFFECTIVE WOF	RKING TIME:					
	•	WORK PERFORI	MED				TAKING ON FUEL AND			00:00	00	0:00	0.0
NO 051 0480		AND HAULING				ATING	TO AND FROM WHARI ANCHORAGE:			00:00	00	0:00	0.0
NO.OF LOADS 5	TOTAL CYS 29,635		AL AREA 1 & 2			L CYS 0	LOSS DUE TO NATURA ELEMENTS:			00:00	00	0:00	0.0
							LOSS DUE TO TRAFFI BRIDGES	C AND		00:00	00	0:00	0.0
							MINOR OPERATING R			00:00	00	0:00	0.0
							TRANSFERRING BETV WORKS	VEEN		00:00	00	0:00	0.0
		ATTENDANT PL	ANT				LAY TIME:			00:00	00	0:00	0.0
IT	EM	NAME OF	R NUMBER	₹	H.P.	HOURS	FIRE AND BOAT DRILL	_S:		00:00	00	0:00	0.0
40' Cre	ew Boat	Cape	Anne		400	12:00	MISCELLANEOUS			00:00	00	0:00	0.0
							TOTALS			00:00	00	0:00	0.0
							LOST TIME:						
							MAJOR REPAIRS AND ALTERNATIONS			00:00	00	0:00	0.0
							CESSATION:			00:00	00	0:00	0.0
							COLLISIONS:			00:00	00	0:00	0.0
							TOTALS:			00:00	00	0:00	0.0
							TOTAL TIME/MILES:			00:00	24	4:00	0.0

		QUALITY CONTROL	. REPORT-HOPPER	DREDGE		PAGE NO.	Page 232 of 279
CONTRACT NO	).	CONTRACT TITLE	CONTRACTO	OR		REPORT N	
W91278-14-E	0-0041 0001	Maintenance Dredging of Mobile Harbor	Dutra Dredgi	ng Company			134
DREDGE		NAME AND TYPE Stuyvesant				<b>DATE</b> 10/21/20	14
		1	LOADS				
LOAD NUMBER		DREDGING AREA DISPOSAL AREA	START TIME STOP TIME (HH:MM)	PUMPING TURNING (MIN)	DUM TO	DUMP MPING CUT MIN)	TOTAL TIME DREDGED AMOUNT AGITATED AMOUNT (MIN/CYS)
1	Sta 900+00 to	1000+00	00:00	50	,	127	225
	Cell 1 & 2		00:50	0		6	5,927
						42	0
2	Sta 900+00 to	1000+00	03:45	43		138	328
	Cell 1 & 2		04:28	0		6 141	5,927 0
3	Sta 900+00 to	1000+00	09:13	42		134	325
Ü	Cell 1 & 2		09:55	0		6	5,927
	0011 1 4 2					143	0
4	Sta 900+00 to	1000+00	14:38	39		139	322
	Cell 1 & 2		15:17	0		5	5,927
						139	0
5	Sta 900+00 to	1000+00	20:00	34		75	240
ŭ	Cell 1 & 2		20:34	0		0	5,927
						131	0

### **GENERAL COMMENTS**

CONTRACTOR CERTIFICATION	material used a	and work performed during t	is Report is complete and correct a his Reporting period are in complia knowledge, except as noted above.	nce with the contract
QC REPRESENTATIVE'S SIGNATURE		DATE	SUPERINTENDENT'S INITIALS	DATE

			QUA	ALITY	CONTR	OL REPO	ORT-HOPPER DREDG	SE .		PA	AGE NO.	F	age 233 of 279	
CONTRACT NO		CONTRACT TI					CONTRACTOR			RE	EPORT NO.			
W91278-14-D CHARACTER O		Maintenance I	Oredging o	of Mobi	ile Harbo	r	Dutra Dredging Comp	any			ATE		135	
REPORT	'r	X MAINTEN	NANCE		NEW V	WORK					10/22/2014			
DRED	GE	HOPF	PER CAP:			4487 CY	AVG VOL OF BIN WATER: 4487 CY			AVG	UNFILLED CAP	:	0 CY	
Stuyv	esant	NO. OF CF MEMBER			DREDG 22	iΕ	OTHER PLANT	WORK SCH	HEDULE	SHIF	TS PER DAY	DA	YS PER WEEK	
LOCATION		LOCATION CH	IANNEL			GED; STA		DISPOSAL A Open Water ( 1,and 2			ROSS(CY) DEPOSIT FOR		JLATIVE AND QTY OSIT FOR DA(CY) 779,795	
		AVG LENGTH	OF CUT	Station		10000 FT	AVG WIDTH OF CUT	1,4114 2	200 FT	AVG [	DIST TO DUMP		27 NM	
CHARAC <sup>1</sup> MATER		DENSITY OF M	ATERIALS						1.45	GMS/L	ITER		1.45	
WATE	VIAL	DENSITY OF W	ATER						1.0060	GMS/L	ITER@		82 °F	
RIVER/ STAG		MIN	0.40	TIME		09:24	MAX 1.90	TIME	00:06	GAGE	LOCATION Do	og Riv	/er	
		MIN	0.00	TIME		00:00	MAX 0.00				DATUM MI	LLW		
WEATHER C	ONDITION	WEATHER Weather Caus	sed No Del	av			TEMP 54 °F / 78 °F				PH			
		DRAFT					DISTRIBUTION OF TIME A				MILES RUN			
	LIGHT		LOADED				AGITATINO (MIN)				DREDGE 8 HAUL (MIN		MILES RUN (NAUT MI)	
FORWARD		17				24	EFFECTIVE WORKING TIME:			,	<del>'</del>		,	
AFT		29				29	PUMPING:			00:00	02	2:58	0.0	
DRAG DEPTH	MAX 0		MIN	1 0			TURNING:			00:00	00	0:00	0.0	
INDICATORS	TO DUMP:					00:00	10	0:15	0.0					
INDICATORS LAST CHECKED ON 09/13/2014		14				CONNECTING:			00:00	00	0:00	0.0		
	ED OF DREDGE	DURING	F	T/MIN		0	DUMPING:			00:00	00	0:29	0.0	
LOADING AVERAGE SPE	ED OF DREDGE	DURING	F	T/MIN		0	DISCONNECTING:			00:00	00	0:00	0.0	
AGITATING GALLONS OF F	UEL OIL CONSU	JMED		GAL			то сит:			00:00	10	0:03	0.0	
GALLONS OF V	VATER CONSUN	MED		GAL			TOTALS:			00:00	23	3:45	0.0	
						1,400	NON-EFFECTIVE WOR	RKING TIME:				<del></del>		
		WORK PERFORI	MED				TAKING ON FUEL AND			00:00	00	0:00	0.0	
NO.OF LOADS	TOTAL CYS	ND HAULING	AL AREA			L CYS	TO AND FROM WHARF ANCHORAGE:			00:00	00	0:00	0.0	
6	23,708		1 & 2			0	LOSS DUE TO NATURA ELEMENTS: LOSS DUE TO TRAFFIO			00:00		0:00	0.0	
							BRIDGES			00:00	00	0:15	0.0	
							MINOR OPERATING RI			00:00		0:00	0.0	
							WORKS	VEEN		00:00		0:00	0.0	
		ATTENDANT PL	ANT				LAY TIME:			00:00		0:00	0.0	
IT	ЕМ	NAME OF	R NUMBER	₹	H.P.	HOURS		FIRE AND BOAT DRILLS:		00:00		0:00	0.0	
40' Cre	w Boat	Cape	Anne		400	12:00	MISCELLANEOUS			00:00		0:00	0.0	
							TOTALS			00:00	00	0:15	0.0	
							LOST TIME:  MAJOR REPAIRS AND				T			
							ALTERNATIONS			00:00		0:00	0.0	
							CESSATION:			00:00		0:00	0.0	
							COLLISIONS:			00:00		0:00	0.0	
							TOTALS:			00:00		0:00	0.0	
							TOTAL TIME/MILES:			00:00	24	4:00	0.0	

				22525	PAGE NO.	
		QUALITY CONTROL	L REPORT-HOPPER	DREDGE		Page 234 of 279
CONTRACT NO	<b>)</b> .	CONTRACT TITLE	CONTRACT	OR	REPORT N	10.
W91278-14-I	0-0041 0001	Maintenance Dredging of Mobile Harbor	Dutra Dredgi	ing Company		135
DREDGE		NAME AND TYPE			DATE	
DKEDGE		Stuyvesant			10/22/20	14
			LOADS			
LOAD NUMBER		DREDGING AREA DISPOSAL AREA	START TIME STOP TIME	PUMPING TURNING	TO DUMP DUMPING TO CUT	TOTAL TIME DREDGED AMOUNT AGITATED AMOUNT
			(HH:MM)	(MIN)	(MIN)	(MIN/CYS)
1	Sta 900+00 to	1000+00	00:00	1	68	75
	Cell 1 & 2		00:01	0	6	0
					0	0
2	Sta 900+00 to	1000+00	01:15	43	137	324
_	Cell 1 & 2		01:58	0	5	5,927
					139	0
3	Sta 900+00 to	1000+00	06:39	47	132	320
	Cell 1 & 2		07:26	0	8	5,927
					133	0
4	Sta 900+00 to	1000+00	12:04	44	139	323
	Cell 1 & 2		12:48	0	5	5,927
					135	0
5	Sta 900+00 to	1000+00	17:37	42	139	325
	Cell 1 & 2		18:19	0	5	5,927
					139	0
6	Sta 900+00 to	1000+00	23:02	1	0	58
	Cell 1 & 2		23:03	0	0	0
					57	0

# GENERAL COMMENTS

1425 Minutes, 100% Pay 15 Minutes, 70% Pay Traffic

CONTRACTOR CERTIFICATION	material used a	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					

			QUA	LITY	CONTR	OL REPO	ORT-HOPPER DREDO	3E		P	AGE NO.	P	age 235 of 279
CONTRACT NO		CONTRACT TI			9-11-1-	_	CONTRACTOR			RI	EPORT NO.		
W91278-14-D		Maintenance I		of Mobi			Dutra Dredging Comp	any			ATE	—	136
REPORT	,r 	X MAINTEN	NANCE		NEW V	WORK			ī		10/23/2014		
DRED	OGE	HOPF	PER CAP:			4487 CY	AVG VOL OF BIN WAT	ER:	4487 CY	AVG	UNFILLED CAP:	:	0 CY
Stuyv	resant	NO. OF CF MEMBER			DREDG	βE	OTHER PLANT	WORK SC	HEDULE	SHIF	TS PER DAY	DA'	YS PER WEEK
					22		2	DISPOSAL A	REALISE	OTV	2 DEPOSITED C	T INAL I	7 LATIVE AND QTY
LOCATION WOR		LOCATION CH				GED; STA		Open Water			S(CY)		OSIT FOR DA(CY)
		Mobile Harbor  AVG LENGTH		Station		000 & 393 10000 FT	AVG WIDTH OF CUT	1,and 2	200 FT	AVG I	23,708 DIST TO DUMP		803,503 27 NM
							AVG WIDTH OF GOT						
CHARAC MATE		DENSITY OF M	ATERIALS	ALS					1.45	GMS/L	.ITER		1.45
,		DENSITY OF W	ATER						1.0060	GMS/LITER@			72 °F
RIVER	TIDE	MIN	0.40	TIME		09:24	MAX 1.90	TIME	00:06	GAGE	LOCATION Do	g Riv	er
STA	GE	MIN	0.00	TIME		00:00	MAX 0.00	TIME	00:00	GAGE	DATUM ML	LLW	
WEATHER C	ONDITION	WEATHER					TEMP	VISIBILITY		WIND	-		
		Weather Caus	sed No Del	ay			48 °F / 75 °F	10 MI	12 MPH				
	ı	DRAFT						DISTRIBUT			MILES RUN		MILEO DUN
	LIGHT		LOADED						AGITAT (MIN		DREDGE & HAUL (MIN)		MILES RUN (NAUT MI)
FORWARD		17				24	EFFECTIVE WORKING	FECTIVE WORKING TIME:					
AFT		29				29	PUMPING:			00:00	01	1:55	0.0
DRAG DEPTH	MAX 0		MIN	0			TURNING:			00:00	00	0:00	0.0
INDICATORS LAST CHECKED ON 09/13/2014					TO DUMP:			00:00	+	0:46	0.0		
	00,10,2011						CONNECTING:			00:00	+	0:00	0.0
AVERAGE SPE LOADING	ED OF DREDGE	DURING	F	T/MIN		0				00:00	+	0:20	0.0
	ED OF DREDGE	DURING	F	T/MIN		0	DISCONNECTING:		00:00		+	0:00	0.0
	UEL OIL CONSI	JMED		GAL		7,970	TO CUT: TOTALS:			00:00		0:51	0.0
GALLONS OF V	VATER CONSUM	ИED		GAL		1,300		NAME TIME		00:00	23	3:52	0.0
	,	WORK PERFORI	MED.			•	NON-EFFECTIVE WOR			00:00		0:00	0.0
		AND HAULING			AGIT	ATING	TO AND FROM WHAR			00:00	+	0:00	0.0
NO.OF LOADS			AL AREA			L CYS	ANCHORAGE: LOSS DUE TO NATURA	AL .		00:00		0:00	0.0
4	23,708	Cell	1 & 2		(	0	ELEMENTS: LOSS DUE TO TRAFFI	C AND		00:00	+	0:08	0.0
							BRIDGES MINOR OPERATING R	EPAIRS		00:00	+	0:00	0.0
							TRANSFERRING BETV			00:00	+	0:00	0.0
							WORKS LAY TIME:			00:00	+	0:00	0.0
		ATTENDANT PL	ANT	Г		1	FIRE AND BOAT DRILL	 _S:		00:00	+	0:00	0.0
IT	EM	NAME OF	R NUMBER	₹	H.P.	HOURS	MISCELLANEOUS			00:00	00	0:00	0.0
40' Cre	ew Boat	Cape	Anne		400	12:00	TOTALS			00:00	00	0:08	0.0
							LOST TIME:						
							MAJOR REPAIRS AND			00:00	ОС	0:00	0.0
							ALTERNATIONS CESSATION:			00:00	OC	0:00	0.0
							COLLISIONS:			00:00	OC	0:00	0.0
							TOTALS:			00:00	OC	0:00	0.0
							TOTAL TIME/MILES:			00:00	24	1:00	0.0
							•						

		QUALITY CONTROL	REPORT-HOPPER	DREDGE		PAGE NO.	Page 236 of 279
CONTRACT NO	).	CONTRACT TITLE	CONTRACT	OR		REPORT N	O.
W91278-14-E	0-0041 0001	Maintenance Dredging of Mobile Harbor	Dutra Dredgi		136		
DREDGE		NAME AND TYPE Stuyvesant		<b>DATE</b> 10/23/2014			
			LOADS			•	
LOAD NUMBER		DREDGING AREA DISPOSAL AREA	START TIME STOP TIME	PUMPING TURNING	DUI TC	DUMP MPING CUT	TOTAL TIME DREDGED AMOUNT AGITATED AMOUNT
	Ct- 000 : 00 t-	. 4000 . 00	(HH:MM)	(MIN)	,	MIN) 132	(MIN/CYS)
1	Sta 900+00 to	5 1000+00	00:00 00:44	44 0		6 83	265 5,927 0
2	Sta 393+00 to	9 450+00	04:25	32		188	432
2	Cell 1 & 2		04:57	0		8 204	5,927 0
3	Sta 393+00 to	450+00	11:45	19		196	395
	Cell 1 & 2		12:04	0		6 174	5,927 0
4	Sta 393+00 to	450+00	18:20	20		130	340
•	Cell 1 & 2		18:40	0		0	5,927
						190	0

### **GENERAL COMMENTS**

1432 Minutes, 100% Pay 8 Minutes, 70% Pay Traffic

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		ATE	SUPERINTENDENT'S INITIALS	DATE					

			QUA	ALITY	CONTR	OL REPO	ORT-HOPPER DREDG	SE .		PA	AGE NO.	F	Page 237 of 279
CONTRACT NO		CONTRACT TI					CONTRACTOR			RE	PORT NO.		<u> </u>
W91278-14-D CHARACTER O		Maintenance I	Oredging o	of Mobi	ile Harbo	r	Dutra Dredging Comp	any			ATE	—	137
REPORT	r	X MAINTEN	IANCE		NEW V	VORK			ī		10/24/2014		
DRED	GE	HOPF	ER CAP:			4487 CY	AVG VOL OF BIN WAT	ER:	4487 CY	AVG UNFILLED CA		:	0 CY
Stuyv	esant	NO. OF CF MEMBEF			DREDG 22	E	OTHER PLANT	WORK SCH	HEDULE	SHIFT	rs per day	DA	AYS PER WEEK
LOCATIO		LOCATION CH	IANNEL	REAC	H DREDO	SED; STA		DISPOSAL A Open Water		QTY D GROS			JLATIVE AND QTY OSIT FOR DA(CY)
1101	ur.	Mobile Harbor		Station	n 393+00	to 450+00		1,and 2			17,781		821,284
		AVG LENGTH	OF CUT			5700 FT	AVG WIDTH OF CUT		200 FT	AVG DIST TO DUMP			37 NM
CHARAC		DENSITY OF M	ATERIALS	1					1.45	GMS/L	ITER		1.45
MATER	RIAL	DENSITY OF W	ATER					1.0060			ITER@		72 °F
RIVER/		MIN	0.40	TIME		09:24	MAX 1.90	TIME 00:06 G			LOCATION Do	og Riv	/er
STAC	<b>)</b> E	MIN	0.00	TIME		00:00	MAX 0.00	TIME	00:00	GAGE	DATUM MI	LLW	
WEATHER C	ONDITION	WEATHER					TEMP	VISIBILITY		WIND 12 MP			
		Weather Caus  DRAFT	sea No Dei	ay			51 °F / 78 °F   10 MI   12  DISTRIBUTION OF TIME A						
	LIGHT		LOADED				AGITATING (MIN)				DREDGE 8		MILES RUN
FORWARD	LIGITI	17	LONDED			24	EFFECTIVE WORKING TIME:			)	HAUL (MIN	)	(NAUT MI)
AFT		29				29	PUMPING:			00:00	00	0:54	0.0
	****					25	TURNING:			00:00	0(	0:00	0.0
DRAG DEPTH	MAX 0		MIN	1 0			TO DUMP:			00:00	1(	0:42	0.0
INDICATORS LAST CHECKED ON 09/13/2014					CONNECTING:			00:00	00	0:00	0.0		
AVERAGE SPE	ED OF DREDGE	DURING	F	T/MIN			DUMPING:			00:00	00	0:33	0.0
LOADING	ED OF DREDGE			T/MIN		0	DISCONNECTING:			00:00	00	0:00	0.0
AGITATING						0	TO CUT:			00:00	11	1:45	0.0
	UEL OIL CONSU			GAL		8,064	TOTALS:			00:00	23	3:54	0.0
GALLONS OF V	/ATER CONSUM	(IED		GAL		800	NON-EFFECTIVE WOR	KING TIME:					
	1	WORK PERFOR	/IED				TAKING ON FUEL AND	SUPPLIES		00:00	00	0:00	0.0
		ND HAULING			AGIT	ATING	TO AND FROM WHARF ANCHORAGE:	OR		00:00	00	0:00	0.0
NO.OF LOADS 5	TOTAL CYS 17,781		AL AREA 1 & 2			L CYS	LOSS DUE TO NATURA ELEMENTS:	AL		00:00	00	0:00	0.0
							LOSS DUE TO TRAFFI BRIDGES	C AND		00:00	00	0:06	0.0
							MINOR OPERATING R	EPAIRS		00:00	00	0:00	0.0
							TRANSFERRING BETV WORKS	VEEN		00:00	00	0:00	0.0
		ATTENDANT PL	ANT				LAY TIME:			00:00	00	0:00	0.0
IT	EM	NAME OF	NUMBER	2	H.P.	HOURS	FIRE AND BOAT DRILL	FIRE AND BOAT DRILLS:		00:00	00	0:00	0.0
40' Cre	w Boat		Anne		400	12:00	MISCELLANEOUS		00:00	00	0:00	0.0	
		Сарс				12.00	TOTALS			00:00	00	0:06	0.0
							LOST TIME:						
							MAJOR REPAIRS AND ALTERNATIONS			00:00	00	0:00	0.0
							CESSATION:			00:00	00	0:00	0.0
							COLLISIONS:			00:00	00	0:00	0.0
							TOTALS:			00:00	00	0:00	0.0
							TOTAL TIME/MILES:			00:00	24	4:00	0.0

		QUALITY CONTRO	L REPORT-HOPPER	DREDGE		PAGE NO.	Page 238 of 279
CONTRACT NO	<u> </u>	CONTRACT TITLE	CONTRACT	OP		REPORT NO	
W91278-14-E		Maintenance Dredging of Mobile Harbor	Dutra Dredgi			KEFOKI NO	137
		NAME AND TYPE		g		DATE	
DREDGE		Stuyvesant				10/24/2014	1
			LOADS				
LOAD NUMBER		DREDGING AREA DISPOSAL AREA	START TIME STOP TIME	PUMPING TURNING	DUN TO	DUMP MPING CUT	TOTAL TIME DREDGED AMOUNT AGITATED AMOUNT
	Sta 393+00 to	450.00	(HH:MM)	(MIN)		/IN) 57	(MIN/CYS) 64
1		450+00	00:00 00:01	0		6	0
	Cell 1 & 2		00.01	l o		0	0
							-
2	Sta 393+00 to	450+00	01:04	18		194	428
	Cell 1 & 2		01:22	0		16	5,927
					;	200	0
3	Sta 393+00 to	450+00	08:12	17		195	390
	Cell 1 & 2		08:29	0		5	5,927
						173	0
4	Sta 393+00 to	450+00	14:42	17	<del> </del>	196	399
	Cell 1 & 2		14:59	0		6	5,927
						180	0
5	Sta 393+00 to	450+00	21:27	1		0	153
	Cell 1 & 2		21:28	0		0	0
						152	0

# QC NARRATIVE(S)

### **GENERAL COMMENTS**

1434 Minutes, 100% Pay 6 Minutes, 70% Pay Traffic

CONTRACTOR CERTIFICATION	material used a	nd work performed during t	is Report is complete and correct a his Reporting period are in complia knowledge, except as noted above.	nce with the contract
QC REPRESENTATIVE'S SIGNATURE		DATE	SUPERINTENDENT'S INITIALS	DATE

			QUA	LITY	CONTR	OL REPO	ORT-HOPPER DREDO	GE		PA	AGE NO.	P	age 239 of 279
CONTRACT NO W91278-14-D		CONTRACT TI Maintenance I		of Mob	ile Harbo	r	CONTRACTOR  Dutra Dredging Comp	oanv		RE	EPORT NO.		138
CHARACTER C		X MAINTEN			NEW \			, ay			<b>ATE</b> 10/25/2014		100
DRED	)GE	HOPF	PER CAP:			4487 CY	AVG VOL OF BIN WAT	TER:	4487 CY	AVG I	UNFILLED CAP	·:	0 CY
Stuyv	resant	NO. OF CF MEMBER			DREDG 22	iΕ	OTHER PLANT	WORK SCH	HEDULE	SHIFT	TS PER DAY	DA	YS PER WEEK
LOCATION WOR		LOCATION CH	IANNEL		H DREDO	SED; STA to 450+00	TO STA	DISPOSAL A Open Water of 1,and 2		QTY D GROS	EPOSITED C		JLATIVE AND QTY OSIT FOR DA(CY) 844,992
		AVG LENGTH	OF CUT			5700 FT	AVG WIDTH OF CUT		200 FT	AVG [	DIST TO DUMP		37 NM
CHARAC		DENSITY OF M	ATERIALS						1.45	GMS/L	ITER		1.45
MATE	RIAL	DENSITY OF W	ATER	ER .					1.0060	GMS/L	ITER@		72 °F
RIVER		MIN	0.40	TIME		09:24	MAX 1.90	TIME	00:06	GAGE LOCATION Dog River			er
STA	JE.	MIN	0.00	TIME		00:00	MAX 0.00	TIME	00:00	GAGE	DATUM MI	LLW	
WEATHER C	ONDITION	WEATHER					TEMP	VISIBILITY		WIND			
		Weather Cause  DRAFT	sed No Del	ay			48 °F / 80 °F   10 MI  DISTRIBUTION OF TII			18 MP			
	LIGHT		LOADED						AGITAT (MIN		DREDGE 8 HAUL (MIN		MILES RUN (NAUT MI)
FORWARD		17				24	EFFECTIVE WORKING	TIME:	(IVIIIV	1)	TIAOL (WIIV	<del>/</del>	(NAOT WII)
AFT		29				29	PUMPING:			00:00	0.	1:17	0.0
DRAG DEPTH	MAX 0		MIN	0			TURNING:			00:00	00	0:00	0.0
						TO DUMP:			00:00	12	2:24	0.0	
INDICATORS L	INDICATORS LAST CHECKED ON 09/13/2014						CONNECTING:			00:00	00	0:00	0.0
AVERAGE SPE	ED OF DREDGE	DURING	F	-T/MIN 0		0	DUMPING:			00:00	00	0:18	0.0
LOADING AVERAGE SPE	ED OF DREDGE	DURING	F	T/MIN			DISCONNECTING:			00:00	00	0:00	0.0
AGITATING	UEL OIL CONSU	IMED		GAL		0	TO CUT:			00:00	06	9:51	0.0
	VATER CONSUM			GAL			TOTALS:			00:00	23	3:50	0.0
GALLONG OF V	VATER CONSON			OAL		1,200	NON-EFFECTIVE WOF	RKING TIME:					
	,	WORK PERFORI	MED	ı			TAKING ON FUEL AND			00:00	00	0:00	0.0
NO 051 0480		AND HAULING				ATING	TO AND FROM WHAR! ANCHORAGE:			00:00	00	0:00	0.0
NO.OF LOADS 4	TOTAL CYS 23,708		AL AREA 1 & 2			L CYS 0	LOSS DUE TO NATURA ELEMENTS:			00:00	00	0:00	0.0
							LOSS DUE TO TRAFFI BRIDGES	C AND		00:00	00	0:10	0.0
							MINOR OPERATING R			00:00	00	0:00	0.0
							TRANSFERRING BETV WORKS	VEEN		00:00	00	0:00	0.0
		ATTENDANT PL	ANT				LAY TIME:			00:00	00	0:00	0.0
IT	EM	NAME OF	R NUMBER	2	H.P.	HOURS	FIRE AND BOAT DRILL	_S:		00:00	00	0:00	0.0
40' Cre	w Boat	Cape	Anne		400	12:00	MISCELLANEOUS			00:00	00	0:00	0.0
							TOTALS			00:00	00	0:10	0.0
							LOST TIME:						
							MAJOR REPAIRS AND ALTERNATIONS			00:00	00	0:00	0.0
							CESSATION:			00:00	00	0:00	0.0
							COLLISIONS:			00:00	00	0:00	0.0
							TOTALS:			00:00		0:00	0.0
							TOTAL TIME/MILES:			00:00	24	4:00	0.0

		QUALITY CONTROL	REPORT-HOPPER	DREDGE		PAGE NO.	Page 240 of 279
CONTRACT NO	D.	CONTRACT TITLE	CONTRACT	OR		REPORT NO	).
W91278-14-E	0-0041 0001	Maintenance Dredging of Mobile Harbor	Dutra Dredgi	ng Company			138
DREDGE		NAME AND TYPE Stuyvesant	<b>DATE</b> 10/25/2014	4			
			LOADS			•	
LOAD NUMBER		DREDGING AREA DISPOSAL AREA	START TIME STOP TIME	PUMPING TURNING	DUI TC	DUMP MPING CUT	TOTAL TIME DREDGED AMOUNT AGITATED AMOUNT
			(HH:MM)	(MIN)		MIN)	(MIN/CYS)
1	Sta 393+00 to	450+00	00:00	22		184	233
	Cell 1 & 2		00:22	0		6	5,927
						21	0
2	Sta 393+00 to	450+00	03:53	16		180	397
	Cell 1 & 2		04:09	0		6	5,927
						195	0
3	Sta 393+00 to	450+00	10:30	20		189	396
-	Cell 1 & 2		10:50	0		6	5,927
						181	0
4	Sta 393+00 to	450+00	17:16	19		191	404
	Cell 1 & 2		17:35	0		0	5,927
						194	0

### **GENERAL COMMENTS**

1430 Minutes, 100% Pay 10 Minutes, 70% Pay Traffic

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						

			QUA	ALITY	CONTR	OL REPO	ORT-HOPPER	DREDO	SE .		P	AGE NO.	ı	Page 241 of 279
CONTRACT NO W91278-14-D		CONTRACT TI		of Mah	ilo Harba	_	CONTRACT		oon.		R	EPORT NO.		400
CHARACTER O		Maintenance		dow to			Dutra Dredg	ing Comp	bany			ATE		139
REPORT		X MAINTE	NANCE		NEW V	VORK	ı					10/26/2014		
DRED	GE		PER CAP:			4487 CY	AVG VOL OF	BIN WAT	ER:	4487 CY	AVG	UNFILLED CAI	P:	0 CY
Stuyv	esant	NO. OF CF MEMBER			DREDG	E	OTHER PI	_ANT	WORK SCI	HEDULE	SHIF			AYS PER WEEK
LOCATIO	ON OF	LOCATION CH	IANNEL	REAC	22 H DREDG	SED; STA	TO STA		DISPOSAL A			DEPOSITED	СИМ	7 JLATIVE AND QTY
WOF		Mobile Harbor		Station	n 393+00	to 450+00	)		Open Water ( 1,and 2	Cell	GRO	SS(CY) 23,708	l	OSIT FOR DA(CY) 868,700
		AVG LENGTH	OF CUT			5700 FT	AVG WIDTH	OF CUT	200 FT A			DIST TO DUMF	5	37 NM
CHARAC	TER OF	DENSITY OF M	ATERIALS	1				1.45 Gf			GMS/	LITER		1.45
MATER	RIAL	DENSITY OF W	ATER							1.0060	GMS/	LITER@		72 °F
RIVER/		MIN	0.40	TIME		09:24	MAX	1.90	TIME	00:06	GAGE	LOCATION D	og Ri	ver
STAC	GE .	MIN	0.00	TIME		00:00	MAX	0.00	TIME	00:00 GA		DATUM N	ЛLLW	
WEATHER C	ONDITION	WEATHER Weather Caus	and No Dol	21/			TEMP 55 °F / 8	1 0 =	VISIBILITY WI			PH		
		DRAFT	300 140 DCI	шу			33 1 7 3		•	ION OF TIM		D MILES RUN		
	LIGHT		LOADED							AGITAT (MIN		DREDGE HAUL (MI		MILES RUN (NAUT MI)
FORWARD		17				24	EFFECTIVE V	/ORKING	TIME:	(IVIII)	•)	TIAOL (WIII	<b>v</b> )	(NAOT WII)
AFT		29				29	PUMPING:		0			0 0	01:27	0.0
DRAG DEPTH	MAX 0		L MIN				TURNING:				00:0	0 (	00:00	0.0
DIVIO DEI III	W// OC O						TO DUMP:			00:00		0 1	10:08	0.0
INDICATORS LA	AST CHECKED (	ON 09/13/20	14				CONNECTING	<b>S</b> :		00		0 (	00:00	0.0
AVERAGE SPE	ED OF DREDGE	DURING	F	T/MIN			DUMPING:				00:0	0 0	00:25	0.0
LOADING AVERAGE SPE	ED OF DREDGE	DURING		T/MIN		0	DISCONNECT	ING:			00:0	0 (	00:00	0.0
AGITATING	UEL OIL CONSU			GAL		0	TO CUT:				00:0	0 1	11:47	0.0
	VATER CONSUM			GAL			TOTALS:				00:0	0 2	23:47	0.0
OALLONG OF V	VATER CONSOR			OAL		1,600	NON-EFFECT	IVE WOR	RKING TIME:			_		
		WORK PERFORI	MED	ı			TAKING ON F				00:0	0 (	00:00	0.0
NO OF LOADS		ND HAULING				ATING	TO AND FROM ANCHORAGE	:			00:0	0 (	00:00	0.0
NO.OF LOADS 5	TOTAL CYS 23,708		AL AREA 1 & 2			L CYS	LOSS DUE TO ELEMENTS:				00:0	0 (	00:00	0.0
							LOSS DUE TO BRIDGES	TRAFFI	C AND		00:0	0 (	00:13	0.0
							MINOR OPER				00:0	0 0	00:00	0.0
							TRANSFERRI WORKS	NG BETV	VEEN		00:0	0 0	00:00	0.0
		ATTENDANT PL	ANT				LAY TIME:				00:0	0 0	00:00	0.0
IT	EM	NAME OF	R NUMBER	₹	H.P.	HOURS	FIRE AND BO		-S:		00:0		00:00	0.0
40' Cre	w Boat	Cape	Anne		400	12:00	MISCELLANE	ous			00:0	-	00:00	0.0
							TOTALS				00:0	0 (	00:13	0.0
							LOST TIME: MAJOR REPA	IRS AND				1		
							ALTERNATIO				00:0		00:00	0.0
							CESSATION:				00:0		00:00	0.0
							COLLISIONS:				00:0		00:00	0.0
							TOTAL TIME	- MI FC			00:0		00:00	0.0
							TOTAL TIME/	VIILES:			00:0	<u>2</u>	24:00	0.0

		QUALITY CONTRO	L REPORT-HOPPER	DREDGE		PAGE NO.	Page 242 of 279
CONTRACT NO	D.	CONTRACT TITLE	CONTRACT	OR		REPORT NO	<u>-</u>
W91278-14-E		Maintenance Dredging of Mobile Harbor	Dutra Dredgi		KEI OKI NO	139	
DREDGE		NAME AND TYPE Stuyvesant				<b>DATE</b> 10/26/2014	4
			LOADS				
LOAD NUMBER		DREDGING AREA DISPOSAL AREA	START TIME STOP TIME (HH:MM)	PUMPING TURNING (MIN)	DUN TO	DUMP MPING CUT MIN)	TOTAL TIME DREDGED AMOUNT AGITATED AMOUNT (MIN/CYS)
1	Sta 393+00 to	450+00	00:00	1	`	1	8
	Cell 1 & 2		00:01	0		6	0
						0	0
2	Sta 393+00 to	450+00	00:08	22		182	390
	Cell 1 & 2		00:30	0		6	5,927
						180	0
3	Sta 393+00 to	450+00	06:51	21		185	395
	Cell 1 & 2		07:12	0		6	5,927
						183	0
4	Sta 393+00 to	450+00	13:26	27		193	394
	Cell 1 & 2		13:53	0		7	5,927
						167	0
5	Sta 393+00 to	450+00	20:00	16		47	240
	Cell 1 & 2		20:16	0		0	5,927
						177	0

### QC NARRATIVE(S)

### **GENERAL COMMENTS**

1427 Minutes, 100% Pay 13 Minutes, 70% Pay Traffic

CONTRACTOR CERTIFICATION	material used a	On behalf of the contractor, I certify that this Report is complete and correct and all equipment and naterial 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							

			QUA	ALITY	CONTR	OL REPO	ORT-HOPPER DREDO	GE		PA	GE NO.	Р	age 243 of 279
CONTRACT NO W91278-14-D		CONTRACT TI		of Mob	ile Harbo	r	CONTRACTOR  Dutra Dredging Comp	nany		RE	PORT NO.		140
CHARACTER C		X MAINTEN			NEW \			, ay			ATE 10/27/2014		140
DRE	DGE	HOPF	PER CAP:			4487 CY	AVG VOL OF BIN WAT	TER:	4487 CY	AVG L	JNFILLED CAP	:	0 CY
Stuyv	vesant	NO. OF CF MEMBER			DREDG 22	iΕ	OTHER PLANT	WORK SCH	HEDULE	SHIFT	S PER DAY	DA'	YS PER WEEK
LOCATI WOI							A USE QTY DEPOSITED CU			LATIVE AND QTY DSIT FOR DA(CY) 886,481			
		AVG LENGTH	OF CUT			5700 FT	AVG WIDTH OF CUT		200 FT	AVG D	DIST TO DUMP		37 NM
	HARACTER OF			1.45	GMS/LI	TER		1.45					
MATE	RIAL	DENSITY OF W	ATER						1.0060	GMS/LI	TER@		72 °F
RIVER		MIN	0.40	TIME		09:24	MAX 1.90	TIME	00:06	GAGE	LOCATION Do	og Riv	er
STA	GE	MIN	0.00	TIME		00:00	MAX 0.00	TIME	00:00	GAGE	DATUM MI	LLW	
WEATHER C	CONDITION	WEATHER	! N- D-!				TEMP	VISIBILITY		WIND			
		Weather Cause  DRAFT	sea No Dei	ay			59 °F / 81 °F	DISTRIBUT		10 MP	MILES RUN		
	LIGHT		LOADED						AGITAT (MIN		DREDGE 8 HAUL (MIN		MILES RUN (NAUT MI)
FORWARD		17				24	EFFECTIVE WORKING	TIME:	(IVIII V	'/	TIMOL (MIT	,	(IV/OT WII)
AFT		29				29	PUMPING:			00:00	0′	1:06	0.0
DRAG DEPTH	MAX 0		<u>I</u> MIN	ı n			TURNING:			00:00	00	0:00	0.0
DIVIG BEI III	1417.07. 0						TO DUMP:			00:00	1′	1:41	0.0
INDICATORS L	AST CHECKED (	ON 09/13/20 <sup>-</sup>	14				CONNECTING:			00:00	00	0:00	0.0
AVERAGE SPE	ED OF DREDGE	DURING	F	T/MIN			DUMPING:			00:00	00	0:23	0.0
LOADING AVERAGE SPE	ED OF DREDGE	DURING	F	T/MIN		0	DISCONNECTING:			00:00	00	0:00	0.0
AGITATING	UEL OIL CONSU			GAL		0	TO CUT:			00:00	10	0:35	0.0
	VATER CONSUM			GAL			TOTALS:			00:00	23	3:45	0.0
GALLONS OF V	VATER CONSON	WILD		GAL		1,000	NON-EFFECTIVE WOR	RKING TIME:					
	,	WORK PERFORI	MED				TAKING ON FUEL AND			00:00	00	0:00	0.0
		AND HAULING				ATING	TO AND FROM WHARI ANCHORAGE:			00:00	00	0:00	0.0
NO.OF LOADS 5	TOTAL CYS 17,781		AL AREA 1 & 2			L CYS 0	LOSS DUE TO NATURA ELEMENTS:			00:00	00	0:00	0.0
							LOSS DUE TO TRAFFI BRIDGES	C AND		00:00	00	0:15	0.0
							MINOR OPERATING R			00:00	00	0:00	0.0
							TRANSFERRING BETV WORKS	VEEN		00:00	00	0:00	0.0
		ATTENDANT PL	ANT				LAY TIME:			00:00	00	0:00	0.0
IT	ЕМ	NAME OF	R NUMBER	2	H.P.	HOURS	FIRE AND BOAT DRILL	_S:		00:00	00	0:00	0.0
40' Cre	ew Boat	Cape	Anne		400	12:00	MISCELLANEOUS			00:00	00	0:00	0.0
							TOTALS			00:00	00	0:15	0.0
							LOST TIME:						
							MAJOR REPAIRS AND ALTERNATIONS			00:00	00	0:00	0.0
							CESSATION:			00:00	00	0:00	0.0
							COLLISIONS:			00:00	00	0:00	0.0
							TOTALS:			00:00		0:00	0.0
							TOTAL TIME/MILES:			00:00	24	4:00	0.0

		QUALITY CONTRO	L REPORT-HOPPER	DREDGE		PAGE NO.	Page 244 of 279
CONTRACT NO	<u> </u>	CONTRACT TITLE	CONTRACT	OR .		REPORT NO	
W91278-14-E		Maintenance Dredging of Mobile Harbor	Dutra Dredgi			KEI OKI NO	 140
DREDGE		NAME AND TYPE Stuyvesant				<b>DATE</b> 10/27/2014	1
			LOADS				
LOAD NUMBER		DREDGING AREA DISPOSAL AREA	START TIME STOP TIME (HH:MM)	PUMPING TURNING (MIN)	DUN TO	DUMP MPING CUT MIN)	TOTAL TIME DREDGED AMOUNT AGITATED AMOUNT (MIN/CYS)
1	Sta 393+00 to	450+00	00:00	1	ì	143	150
	Cell 1 & 2		00:01	0		6	0
						0	0
2	Sta 393+00 to	450+00	02:30	20		175	383
	Cell 1 & 2		02:50	0		6	5,927
						182	0
3	Sta 393+00 to	450+00	08:53	24		192	408
	Cell 1 & 2		09:17	0		5	5,927
						187	0
4	Sta 393+00 to	450+00	15:41	20		191	391
	Cell 1 & 2		16:01	0		6	5,927
						174	0
5	Sta 393+00 to	450+00	22:27	1		0	93
	Cell 1 & 2		22:28	0		0	0
						92	0

# QC NARRATIVE(S)

### **GENERAL COMMENTS**

1425 Minutes, 100% Pay 15 Minutes, 70% Pay Traffic

CONTRACTOR CERTIFICATION	material used a	On behalf of the contractor, I certify that this Report is complete and correct and all equipment and naterial 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							

			QUA	ALITY	CONTRO	OL REPO	RT-HOPPI	ER DREDO	SE .		PA	AGE NO.	F	Page 245 of 279
CONTRACT NO		CONTRACT TI					CONTRA				RE	PORT NO.		
W91278-14-D CHARACTER O		Maintenance I		of Mob			Dutra Dre	dging Comp	any		D/	ATE		141
REPORT	•	X MAINTEN	NANCE		NEW V	VORK	T					10/28/2014		
DRED	GE		PER CAP:			4487 CY	AVG VOL (	OF BIN WAT	ER:	4487 CY	AVG I	JNFILLED CAP	:	0 CY
Stuyv	esant	NO. OF CF MEMBER			DREDG 22	E	OTHER 2		WORK SCI	HEDULE	SHIFT	rs per day	DA	YS PER WEEK
LOCATIO		LOCATION CH	IANNEL	REAC		SED; STA		•	DISPOSAL A		QTY D GROS	EPOSITED (		JLATIVE AND QTY OSIT FOR DA(CY)
WOF	RK	Mobile Harbor		Station	n 393+00 t	to 450+00	)		Open Water 1,and 2	Cell	GROS	23,708	DEF	910,189
		AVG LENGTH	OF CUT			5700 FT	AVG WIDT	H OF CUT		200 FT	AVG [	DIST TO DUMP		37 NM
CHARAC	TER OF	DENSITY OF M	ATERIALS	1						1.45	GMS/L	ITER		1.45
MATER	RIAL	DENSITY OF W	ATER							1.0060	GMS/L	ITER@		72 °F
RIVER/		MIN	0.40	TIME		09:24	MAX	1.90	TIME	00:06	GAGE	LOCATION Do	og Riv	/er
STAC	jE	MIN	0.00	TIME		00:00	MAX	0.00	TIME	00:00	GAGE	DATUM MI	LLW	
WEATHER C	ONDITION	WEATHER					TEMP	/ 00 oF	VISIBILITY		WIND			
		Weather Caus	sea No Dei	ay			59 °F /	82 F	DISTRIBUT	ION OF TIM	9 MPH	MILES RUN		
										AGITA		DREDGE 8	<u>.                                     </u>	MILES RUN
FORMARR	LIGHT	47	LOADED				EFFECTIVE	WORKING	TIME	(MIN)	۷)	HAUL (MIN	)	(NAUT MI)
FORWARD		17				24	PUMPING:	· WORKING	THVIC.		00:00	0.	1:51	0.0
AFT		29				29	TURNING:				00:00		0:00	0.0
DRAG DEPTH	MAX 0		MIN	1 0			TO DUMP:			00:0			9:59	0.0
INDICATORS LA	AST CHECKED (	ON 09/13/20	14				CONNECTI	NG:			00:00		0:00	0.0
AVEDAGE ODE		DUDING		T/NAINT I			DUMPING:				00:00	00	0:19	0.0
LOADING	ED OF DREDGE			T/MIN		0	DISCONNE	CTING:			00:00	00	0:00	0.0
AVERAGE SPEI AGITATING			-	T/MIN		0	TO CUT:				00:00	11	1:26	0.0
GALLONS OF F	UEL OIL CONSU	JMED		GAL		7,686	TOTALS:				00:00	23	3:35	0.0
GALLONS OF V	VATER CONSUN	MED		GAL		2,000	NON-EFFE	CTIVE WOR	KING TIME:					
	,	WORK PERFORI	MED				TAKING ON	I FUEL AND	SUPPLIES		00:00	00	0:00	0.0
	DREDGING A	ND HAULING			AGITA	ATING	TO AND FR ANCHORAG		OR		00:00	00	0:00	0.0
NO.OF LOADS 4	TOTAL CYS 23,708		AL AREA 1 & 2			L CYS	LOSS DUE ELEMENTS	TO NATURA	AL		00:00	00	0:00	0.0
							LOSS DUE BRIDGES	TO TRAFFI	C AND		00:00	00	):25	0.0
							MINOR OPE				00:00	00	0:00	0.0
							TRANSFER WORKS	RING BETV	VEEN		00:00	00	0:00	0.0
		ATTENDANT PL	ANT				LAY TIME:				00:00	00	0:00	0.0
IT	EM	NAME OF	R NUMBER	₹	H.P.	HOURS	FIRE AND E	BOAT DRILL	.S:		00:00	00	0:00	0.0
40' Cre	w Boat	Cape	Anne		400	12:00	MISCELLAN	NEOUS			00:00	00	0:00	0.0
							TOTALS				00:00	00	):25	0.0
							LOST TIME							
							MAJOR REI ALTERNATI				00:00	00	0:00	0.0
							CESSATION				00:00		0:00	0.0
							COLLISION	S:			00:00		0:00	0.0
							TOTALS:				00:00		0:00	0.0
							TOTAL TIM	E/MILES:			00:00	24	1:00	0.0

		QUALITY CONTROL	REPORT-HOPPER	DREDGE		PAGE NO.	Page 246 of 279
CONTRACT N	O.	CONTRACT TITLE	REPORT N	0.			
W91278-14-I	D-0041 0001	Maintenance Dredging of Mobile Harbor	Dutra Dredgi	ng Company		141	
DREDGE		NAME AND TYPE Stuyvesant		<b>DATE</b> 10/28/2014			
			LOADS			•	
LOAD NUMBER		DREDGING AREA DISPOSAL AREA	START TIME STOP TIME	PUMPING TURNING	DUM TO	DUMP MPING CUT	TOTAL TIME DREDGED AMOUNT AGITATED AMOUNT
			(HH:MM)	(MIN)	,	MIN)	(MIN/CYS)
1	Sta 393+00 to	450+00	00:00	19		179	334
	Cell 1 & 2		00:19	0		7 129	5,927 0
2	Sta 393+00 to	450+00	05:34	21		180	393
_	Cell 1 & 2		05:55	0		6	5,927
	30 1 4.2					186	0
3	Sta 393+00 to	450+00	12:07	31		221	458
	Cell 1 & 2		12:38	0		6	5,927
						200	0
4	Sta 393+00 to	450+00	20:10	40		19	230
	Cell 1 & 2		20:50	0		0	5,927
						171	0

### **GENERAL COMMENTS**

1415 Minutes, 100% Pay 25 Minutes, 70% Pay Traffic

CONTRACTOR CERTIFICATION	material used a	on behalf of the contractor, I certify that this Report is complete and correct and all equipment and naterial used and work performed during this Reporting period are in compliance with the contract lans and specifications, to the best of my knowledge, except as noted above.									
QC REPRESENTATIVE'S SIGNATURE		DATE	SUPERINTENDENT'S INITIALS	DATE							

		-	QUA	LITY	CONTR	OL REPO	ORT-HOPPER DREDG	SE .		PA	AGE NO.	ı	Page 247 of 279
CONTRACT NO		CONTRACT TI					CONTRACTOR			RE	PORT NO.		
W91278-14-D		Maintenance I	Oredging o	of Mobi	ile Harbo	r	Dutra Dredging Comp	any					142
CHARACTER O REPORT	r	X MAINTEN	IANCE		NEW V	WORK					ATE 10/29/2014		
DRED	GE		ER CAP:			4487 CY	AVG VOL OF BIN WAT	ER:	4487 CY	AVG I	JNFILLED CAP	):	0 CY
Stuyve	esant	NO. OF CF MEMBEF			DREDG	iΕ	OTHER PLANT	WORK SCH	HEDULE	SHIFT	rs per day	DA	YS PER WEEK
LOCATIO	ON OF	LOCATION CH	IANNEL	REAC	22 H DREDG	GED; STA	2 TO STA	DISPOSAL A					7 JLATIVE AND QTY
WOR		Mobile Harbor		Station	n 393+00	to 450+00	) & 270+00 to 244+00	Open Water ( 1,and 2	Cell	GROS	S(CY) 17,781	DEP	OSIT FOR DA(CY) 927,970
		AVG LENGTH	OF CUT			5700 FT	AVG WIDTH OF CUT				DIST TO DUMP	1	37 NM
CHARACT	TER OF	DENSITY OF M	ATERIALS					1.45 G			ITER		1.45
MATER	RIAL	DENSITY OF W	ATER					1.0060 G			ITER@		72 °F
RIVER/		MIN	0.40	TIME		09:24	MAX 1.90	TIME	00:06	GAGE	LOCATION D	og Ri	ver
STAC	<b>SE</b>	MIN	0.00	TIME	•	00:00	MAX 0.00	TIME	00:00 GA		DATUM M	LLW	
WEATHER C	ONDITION	WEATHER					TEMP	VISIBILITY			-		
		Weather Caus	sed No Del	ay			63 °F / 82 °F	10 MI		21 MP			
		DRAFT						DISTRIBUT			MILES RUN	0 1	MILES RUN
	LIGHT		LOADED						AGITAT (MIN		DREDGE ( HAUL (MIN		(NAUT MI)
FORWARD		17				24	EFFECTIVE WORKING TIME:						
AFT		29				29	PUMPING:			00:00	0	1:31	0.0
DRAG DEPTH	MAX 0		MIN	0			TURNING:			00:00 00:00		0.0	
INDICATORS LA	AST CHECKED (	DN 09/13/20 <sup>-</sup>	14				TO DUMP:			00:00 12:53		0.0	
INDICATOROLA	OT OFFICIALD C	09/13/20	14				CONNECTING:			00:00	0	0:00	0.0
AVERAGE SPEE	D OF DREDGE	DURING	F	T/MIN		0	DUMPING:			00:00	0	0:26	0.0
LOADING AVERAGE SPEE	ED OF DREDGE	DURING	F	T/MIN		0	DISCONNECTING:			00:00	0	0:00	0.0
AGITATING GALLONS OF F	UEL OIL CONSU	JMED		GAL		7,518	TO CUT:			00:00	0	9:10	0.0
GALLONS OF W	ATER CONSUM	MED		GAL			TOTALS:			00:00	2-	4:00	0.0
						2,000	NON-EFFECTIVE WOR	KING TIME:					
		WORK PERFORM	MED				TAKING ON FUEL AND			00:00	0	0:00	0.0
NO.OF LOADS		ND HAULING				ATING	TO AND FROM WHARF ANCHORAGE:			00:00	0	0:00	0.0
5	TOTAL CYS 17,781		AL AREA 1 & 2			L CYS 0	LOSS DUE TO NATURA ELEMENTS:			00:00	0	0:00	0.0
							LOSS DUE TO TRAFFI BRIDGES	CAND		00:00	0	0:00	0.0
							MINOR OPERATING R			00:00	0	0:00	0.0
							TRANSFERRING BETV WORKS	VEEN		00:00	0	0:00	0.0
		ATTENDANT PL	ANT				LAY TIME:			00:00	0	0:00	0.0
ITI	EM	NAME OF	NUMBER	2	H.P.	HOURS	FIRE AND BOAT DRILL	.S:		00:00	0	0:00	0.0
40' Cre	w Boat	Cape	Anne		400	12:00	MISCELLANEOUS			00:00	0	0:00	0.0
							TOTALS			00:00	0	0:00	0.0
							LOST TIME:				_		
							MAJOR REPAIRS AND ALTERNATIONS			00:00	0	0:00	0.0
							CESSATION:			00:00	0	0:00	0.0
							COLLISIONS:			00:00	0	0:00	0.0
							TOTALS:			00:00	0	0:00	0.0
							TOTAL TIME/MILES:			00:00	2	4:00	0.0

		QUALITY CONTRO	L REPORT-HOPPER	DREDGE	PAGE NO.	D 040 . 1070
		T				Page 248 of 279
CONTRACT NO		CONTRACT TITLE	CONTRACT		REPORT NO	) <b>.</b>
W91278-14-D	-0041 0001	Maintenance Dredging of Mobile Harbor	Dutra Dredgi	ng Company		142
DREDGE		NAME AND TYPE			DATE	
D.K.E.D.G.E		Stuyvesant			10/29/2014	1
			LOADS			
LOAD		DREDGING AREA	START TIME	PUMPING	DUMP	TOTAL TIME
NUMBER		DISPOSALAREA	STOP TIME	TURNING	MPING CUT	DREDGED AMOUNT AGITATED AMOUNT
			(HH:MM)	(MIN)	ЛIN)	(MIN/CYS)
1	Sta 393+00 to	450+00	00:00	1	168	176
	Cell 1 & 2		00:01	0	7	0
					0	0
2	Sta 393+00 to	450+00	02:56	41	179	401
	Cell 1 & 2		03:37	0	5	5,927
					176	0
3	Sta 393+00 to	450+00	09:37	29	186	410
	Cell 1 & 2		10:06	0	6	5,927
					189	0
4	Sta 244+00 to	270+00	16:27	19	240	446
	Cell 1 & 2		16:46	0	8	5,927
					179	0
5	Sta 393+00 to	450+00	23:53	1	0	7
	Cell 1 & 2		23:54	0	0	0
					6	0

**GENERAL COMMENTS** 

CONTRACTOR CERTIFICATION	material used a	On behalf of the contractor, I certify that this Report is complete and correct and all equipment and naterial used and work performed during this Reporting period are in compliance with the contract land specifications, to the best of my knowledge, except as noted above.								
QC REPRESENTATIVE'S SIGNATURE		DATE	SUPERINTENDENT'S INITIALS	DATE						

			QUA	ALITY	CONTR	OL REPO	ORT-HOPPER DREDG	SE .		P	AGE NO.	F	Page 249 of 279	
CONTRACT NO. CONTRACT TITLE						CONTRACTOR REPORT NO.								
W91278-14-D-0041 0001 Maintenance Dredging of Mobi			ile Harbo	r	Dutra Dredging Comp		ATE		143					
REPORT X MAINTENANCE			NANCE		NEW V	WORK					10/30/2014			
DRED	GE	HOPF	PER CAP:			4487 CY	AVG VOL OF BIN WAT	ER:	4487 CY	AVG	UNFILLED CAP	:	0 CY	
Stuyv	esant	NO. OF CF MEMBER			DREDGE 22		OTHER PLANT	WORK SCHEDULE		SHIFTS PER DAY		DAYS PER WEEK		
LOCATION		LOCATION CH	IANNEL	REAC	H DREDO	GED; STA	TO STA	DISPOSAL A Open Water		QTY DEPOSITED GROSS(CY)			CUMULATIVE AND QTY DEPOSIT FOR DA(CY)	
1101	VIV.	Mobile Harbor		Station	n 270+00	to 225+00	) 	1,and 2			17,781		945,751	
		AVG LENGTH	OF CUT			4500 FT	AVG WIDTH OF CUT		200 FT	AVG	/G DIST TO DUMP 41 NM			
CHARAC		DENSITY OF M	ATERIALS	1					1.45	GMS/L	.ITER		1.45	
MATER	RIAL	DENSITY OF WATER						_	1.0060	GMS/L	ITER@		72 °F	
RIVER/ STAC		MIN	0.40	TIME		09:24	MAX 1.90	TIME	00:06	GAGE	GE LOCATION Dog River			
O IA	JL	MIN	0.00	TIME		00:00	MAX 0.00	TIME	00:00	GAGE	DATUM M	LLW		
WEATHER C	ONDITION	WEATHER Weather Caus	ed No Del	21/			TEMP 53 °F / 73 °F	VISIBILITY 10 MI		WIND 23 MF	эн			
		DRAFT	sed NO Dei	ay			33 1 / / 3 1	•			MILES RUN			
	LIGHT		LOADED				AGITATIN (MIN)				DREDGE 8 HAUL (MIN		MILES RUN (NAUT MI)	
FORWARD		17				24	EFFECTIVE WORKING TIME:			,		<del>/</del>		
AFT		29	29			29	PUMPING:			00:00	0.	1:14	0.0	
DRAG DEPTH	MAX 0		MIN	1 0			TURNING:			00:00	00	0:00	0.0	
							TO DUMP:	DUMP:		00:00	10	0:37	0.0	
INDICATORS LAST CHECKED ON		ON 09/13/20 <sup>-</sup>	13/2014			CONNECTING:			00:00	00	0:00	0.0		
AVERAGE SPEED OF DREDGE DURING		F	T/MIN		0	DUMPING:			00:00	0(	0:13	0.0		
LOADING AVERAGE SPE	ED OF DREDGE	DURING	F	T/MIN			DISCONNECTING:			00:00	0(	0:00	0.0	
AGITATING GALLONS OF F	UEL OIL CONSU	JMED		GAL		0	TO CUT:			00:00	10	0:43	0.0	
	VATER CONSUM			GAL			TOTALS:			00:00	22	2:47	0.0	
UALLONG OF V	VATER CONSOR			OAL		2,000	NON-EFFECTIVE WOR	RKING TIME:						
	'	WORK PERFORI	MED				TAKING ON FUEL AND			00:00	00	0:00	0.0	
NO 051 0480		ND HAULING				ATING	TO AND FROM WHARF OR ANCHORAGE:			00:00	00	0:00	0.0	
NO.OF LOADS 3	TOTAL CYS 17,781		AL AREA 1 & 2			L CYS 0	LOSS DUE TO NATURA ELEMENTS:			00:00	00	0:00	0.0	
							LOSS DUE TO TRAFFI BRIDGES	C AND		00:00	00	0:00	0.0	
							MINOR OPERATING R			00:00	00	0:58	0.0	
							TRANSFERRING BETV WORKS	VEEN		00:00	00	0:00	0.0	
		ATTENDANT PL	ANT				LAY TIME:			00:00	00	0:00	0.0	
ITEM		NAME OF	R NUMBER	₹	H.P.	HOURS	FIRE AND BOAT DRILL	.S:		00:00	00	0:00	0.0	
40' Crew Boat		Cape	Anne		400	12:00	MISCELLANEOUS			00:00	-	0:15	0.0	
							TOTALS			00:00	0.	1:13	0.0	
							LOST TIME:  MAJOR REPAIRS AND							
							ALTERNATIONS			00:00	-	0:00	0.0	
							CESSATION:			00:00		0:00	0.0	
							COLLISIONS:			00:00		0:00	0.0	
							TOTALS:			00:00		0:00	0.0	
							TOTAL TIME/MILES:			00:00	<u>'</u>	4:00	0.0	

		QUALITY CONTRO	L REPORT-HOPPER	DREDGE		PAGE NO.	Page 250 of 279		
CONTRACT NO.		CONTRACT TITLE	CONTRACT	OR	REPORT NO.				
W91278-14-D	-0041 0001	Maintenance Dredging of Mobile Harbor	Dutra Dredgi	ing Company		1			
DREDGE		NAME AND TYPE Stuyvesant					<b>DATE</b> 10/30/2014		
		-	LOADS			-			
LOAD NUMBER		DREDGING AREA DISPOSAL AREA	START TIME STOP TIME	PUMPING TURNING	DUI	DUMP MPING CUT	TOTAL TIME DREDGED AMOUNT AGITATED AMOUNT		
			(HH:MM)	(MIN)	,	ЛIN)	(MIN/CYS)		
1	Sta 225+00 to 270+00		00:00	27		197	460		
	Cell 1 & 2		00:27	0		6	5,927		
						230	0		
2	Sta 225+00 to	270+00	08:53	26		228	482		
	Cell 1 & 2		09:19	0		7	5,927		
						221	0		
3	Sta 225+00 to	270+00	16:55	21		212	425		
	Cell 1 & 2		17:16	0		0	5,927		
						192	0		

### **GENERAL COMMENTS**

- 1367 Minutes, 100% Pay15 Minutes, 70% Pay Slowed for Crew Boat58 Minutes, 0% Pay minor repairs

CONTRACTOR CERTIFICATION	material used a	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					

		-	QUA	ALITY	CONTR	OL REPO	ORT-HOPPER DREDG	SE .		PA	AGE NO.	F	Page 251 of 279	
CONTRACT NO		CONTRACT TI			9. 11. 1		CONTRACTOR Dutra Dredging Company							
W91278-14-D CHARACTER O		Maintenance I		dolM fo			Dutra Dredging Comp	pany		DA	ATE	_	144	
REPORT		X MAINTEN	NANCE		NEW V	WORK	Г				10/31/2014			
DRED	GE		ER CAP:			4487 CY	AVG VOL OF BIN WAT	ER:	4487 CY	AVG l	JNFILLED CAP	':	0 CY	
Stuyv	esant	NO. OF CF MEMBEF			DREDGE 22		OTHER PLANT	WORK SCHEDULE		SHIFT	rs per day	DA	DAYS PER WEEK	
LOCATIO		LOCATION CH	IANNEL	REAC		SED; STA		DISPOSAL A Open Water		QTY DEPOSITED CUMULA		JLATIVE AND QTY OSIT FOR DA(CY)		
		Mobile Harbor  AVG LENGTH	OF CUT	Station 270+00 to 225+00 4500 FT			AVG WIDTH OF CUT	1,and 2	200 FT	AVG [	17,781 TO DUMP		963,532 41 NM	
CHARAC <sup>-</sup>	TER OF	DENSITY OF M	ATERIALS	;					1.45	GMS/L	S/LITER 1.45			
MATER		DENSITY OF W	ATER						1.0060	GMS/L	ITER@		72 °F	
RIVER/	TIDE	MIN	0.40	TIME		09:24	MAX 1.90	TIME	00:06	GAGE	LOCATION Do	og Ri	ver	
STAC		MIN	0.00	TIME		00:00	MAX 0.00	TIME	00:00	GAGE	DATUM MI	LLW		
WEATHER C	ONDITION	WEATHER					TEMP	VISIBILITY	\	WIND				
		Weather Caus	sed No Del	lay			44 °F / 78 °F	10 MI	36 MPH					
		DRAFT						DISTRIBUT			MILES RUN	<del></del>	MILES RUN	
	LIGHT		LOADED				AGITAT (MIN				DREDGE 8 HAUL (MIN		(NAUT MI)	
FORWARD		17				24	EFFECTIVE WORKING TIME:							
AFT	29					29				00:00	0′	1:34	0.0	
DRAG DEPTH	MAX 0		MIN	1 0			TURNING:					0:00	0.0	
INDICATORS LAST CHECKED ON 09/13/2014				TO DUMP:			00:00		0:35	0.0				
							CONNECTING:			00:00		0:00	0.0	
AVERAGE SPEE	ED OF DREDGE	DURING	F	T/MIN		0	DUMPING:			00:00		0:23	0.0	
AVERAGE SPER	ED OF DREDGE	DURING	F	T/MIN		0	DISCONNECTING: TO CUT:			00:00		0:00	0.0	
	UEL OIL CONSU	JMED		GAL		7,392				00:00		1:18	0.0	
GALLONS OF V	VATER CONSUM	MED		GAL		2,000				00:00		3:50	0.0	
		WORK PERFORM	/LED			•	TAKING ON FUEL AND			00:00	T 0	0:00	0.0	
		ND HAULING			AGIT	ATING	TO AND FROM WHARF			00:00		0:00	0.0	
NO.OF LOADS	TOTAL CYS		AL AREA			L CYS	ANCHORAGE:		00:00		0:00	0.0		
5	17,781	Cell	1 & 2		(	0	ELEMENTS: LOSS DUE TO TRAFFI	C AND		00:00		0:00	0.0	
							BRIDGES MINOR OPERATING R	EPAIRS		00:00		0:00	0.0	
							TRANSFERRING BETV			00:00		0:00	0.0	
							WORKS LAY TIME:			00:00		0:00	0.0	
ATTENDANT PLANT					1	FIRE AND BOAT DRILL	S·		00:00		0:00	0.0		
ITEM		NAME OF	NUMBER	₹	H.P.	HOURS	MISCELLANEOUS			00:00		0:10	0.0	
40' Crew Boat		Cape	Anne		400	12:00	TOTALS			00:00	0(	0:10	0.0	
							LOST TIME:				1			
							MAJOR REPAIRS AND			00:00	0(	0:00	0.0	
							ALTERNATIONS CESSATION:			00:00	0(	0:00	0.0	
							COLLISIONS:			00:00	0(	0:00	0.0	
							TOTALS:			00:00	0(	0:00	0.0	
							TOTAL TIME/MILES:			00:00	24	4:00	0.0	
						_				_		-		

		QUALITY CONTRO	L REPORT-HOPPER	DREDGE		PAGE NO.	Page 252 of 279
CONTRACT NO	<u> </u>	CONTRACT TITLE	CONTRACT	OR .		REPORT NO	
W91278-14-E		Maintenance Dredging of Mobile Harbor	Dutra Dredgi			KEI OKI NO	144
DREDGE		NAME AND TYPE Stuyvesant				<b>DATE</b> 10/31/2014	1
			LOADS				
LOAD NUMBER		DREDGING AREA DISPOSAL AREA	START TIME STOP TIME (HH:MM)	PUMPING TURNING (MIN)	DUN TO	DUMP MPING CUT MIN)	TOTAL TIME DREDGED AMOUNT AGITATED AMOUNT (MIN/CYS)
1	Sta 226+16 to	270+00	00:00	1	`	0	7
	Cell 1 & 2		00:01	0		6	0
						0	0
2	Sta 226+16 to	270+00	00:07	33	:	206	439
	Cell 1 & 2		00:40	0		5	5,927
						195	0
3	Sta 226+16 to	270+00	07:26	35	2	200	445
	Cell 1 & 2		08:01	0		6	5,927
						204	0
4	Sta 226+16 to	270+00	14:51	24	1 :	229	444
	Cell 1 & 2		15:15	0		6	5,927
						185	0
5	Sta 226+16 to	270+00	22:25	1		0	95
	Cell 1 & 2		22:26	0		0	0
						94	0

# QC NARRATIVE(S)

### **GENERAL COMMENTS**

1430 Minutes, 100% Pay 10 Minutes, 70% Pay Slowed for Crew Boat

CONTRACTOR CERTIFICATION	material used a	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									PA	AGE NO.	F	Page 253 of 279			
CONTRACT NO		CONTRACT TI						RACTOR			RE	PORT NO.			
W91278-14-D CHARACTER O		Maintenance I		of Mob			Dutra	Dredging Comp	any			ATE		145	
REPORT		X MAINTEN	NANCE		NEW V	VORK	ı					11/01/2014			
DRED	GE		PER CAP:			4487 CY	AVG VO	DL OF BIN WAT	ER:	4487 CY	AVG (	JNFILLED CAP	<b>'</b> :	0 CY	
Stuyv	esant	NO. OF CF MEMBER			DREDG 22	E	ОТН	ER PLANT 2	WORK SCI	HEDULE	SHIFT	rs per day 2	DA	AYS PER WEEK	
LOCATIO	ON OF	LOCATION CH	IANNEL	REAC		SED; STA	TO STA		DISPOSAL A		QTY D	EPOSITED (		JLATIVE AND QTY OSIT FOR DA(CY)	
WOF	RK	Mobile Harbor		Station	n 270+00	to 250+00	)		Open Water 1,and 2	Cell	GRUS	17,781	DEP	981,313	
		AVG LENGTH	OF CUT			3000 FT	AVG W	IDTH OF CUT		200 FT	AVG E	DIST TO DUMP		41 NM	
CHARAC	TER OF	DENSITY OF M	ATERIALS	;						1.45	GMS/L	ITER		1.45	
MATER	RIAL	DENSITY OF W	ATER							1.0060	GMS/L	ITER@		72 °F	
RIVER/		MIN	0.40	TIME		09:24	MAX	1.90	TIME	00:06	GAGE	LOCATION D	og Ri	ver .	
STAC	jE	MIN	0.00	TIME		00:00	MAX	0.00	TIME	00:00	GAGE	DATUM M	LLW		
WEATHER C	ONDITION	WEATHER					TEMP	25 / 24 25	VISIBILITY		WIND				
		Weather Caus	sea No Dei	ay			41	41 °F / 61 °F   10 MI   38  DISTRIBUTION OF TIME A				38 MPH			
	LIQUIT		LOADED							AGITA		DREDGE 8	&	MILES RUN	
FORWARD	LIGHT	17	LOADED			24	EFFECT	IVE WORKING	(MIN)			HAUL (MIN	1)	(NAUT MI)	
AFT		29				29	PUMPIN				00:00	0	1:52	0.0	
	NAAV. O					29	TURNIN	G:			00:00	0	0:00	0.0	
DRAG DEPTH	MAX 0		MIN	1 0			TO DUM	IP:			00:00	1	1:14	0.0	
INDICATORS LA	AST CHECKED (	ON 09/13/20	14				CONNE	CTING:		00		0	0:00	0.0	
AVERAGE SPE	ED OF DREDGE	DURING	F.	T/MIN			DUMPIN	IG:			00:00	0	0:18	0.0	
LOADING AVERAGE SPE				T/MIN		0	DISCON	INECTING:		00:00		0	0:00	0.0	
AGITATING	UEL OIL CONSU		'	GAL		0	то сит	:		00:00		10	0:36	0.0	
	VATER CONSUN					7,308	TOTALS	i:			00:00	2.	4:00	0.0	
GALLONS OF V	VATER CONSUM	/IED		GAL		1,800	NON-EF	FECTIVE WOR	KING TIME:						
	'	WORK PERFORI	MED					ON FUEL AND			00:00	0	0:00	0.0	
NO 051 0480		AND HAULING				ATING	ANCHO				00:00	0	0:00	0.0	
NO.OF LOADS 4	TOTAL CYS 17,781		AL AREA 1 & 2			L CYS 0	ELEMEN				00:00	0	0:00	0.0	
							LOSS D BRIDGE	UE TO TRAFFIO S	C AND		00:00	00	0:00	0.0	
								OPERATING RE			00:00	00	0:00	0.0	
							WORKS	FERRING BETW	VEEN		00:00	00	0:00	0.0	
		ATTENDANT PL	ANT				LAY TIM	E:			00:00	00	0:00	0.0	
IT	EM	NAME OF	R NUMBER	2	H.P.	HOURS	FIRE AN	ID BOAT DRILL	.S:		00:00	00	0:00	0.0	
40' Cre	w Boat	Cape	Anne		400	12:00	MISCEL	LANEOUS			00:00	00	0:00	0.0	
							TOTALS				00:00	00	0:00	0.0	
							LOST TI	ME: REPAIRS AND					<del></del>		
							ALTERN	ATIONS			00:00		0:00	0.0	
							CESSAT				00:00		0:00	0.0	
							COLLISI				00:00		0:00	0.0	
							TOTALS				00:00		0:00	0.0	
							IOIAL	ΓΙΜΕ/MILES:			00:00	24	4:00	0.0	

		QUALITY CONTRO	L REPORT-HOPPER	DREDGE		PAGE NO.	Page 254 of 279		
CONTRACT NO	).	CONTRACT TITLE	ACT TITLE CONTRACTOR F						
W91278-14-D	-0041 0001	Maintenance Dredging of Mobile Harbor	Dutra Dredgi	ng Company			145		
DREDGE		NAME AND TYPE Stuyvesant				<b>DATE</b> 11/01/2014			
		•	LOADS						
LOAD NUMBER		DREDGING AREA DISPOSAL AREA	START TIME STOP TIME	PUMPING TURNING	DUI	DUMP MPING CUT	TOTAL TIME DREDGED AMOUNT AGITATED AMOUNT		
			(HH:MM)	(MIN)		ΛIN)	(MIN/CYS)		
1	Sta 250+00 to 3	270+00	00:00	36		236	378		
	Cell 1 & 2		00:36	0		6	5,927		
						100	0		
2	Sta 250+00 to 2	270+00	06:18	44		220	458		
	Cell 1 & 2		07:02	0		6	5,927		
						188	0		
3	Sta 250+00 to 3	270+00	13:56	31		218	443		
	Cell 1 & 2		14:27	0		6	5,927		
	00 1 0. 2					188	0		
4	Sta 250+00 to 3	270+00	21:19	1		0	161		
	Cell 1 & 2		21:20	0		0	0		
						160	0		

**GENERAL COMMENTS** 

CONTRACTOR CERTIFICATION	material used a	On behalf of the contractor, I certify that this Report is complete and correct and all equipment and naterial 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						

			QUA	ALITY	CONTR	OL REPO	ORT-HOPPER DREDG	SE .		PA	AGE NO.	F	Page 255 of 279
CONTRACT NO		CONTRACT TI					CONTRACTOR			RE	EPORT NO.		
W91278-14-D CHARACTER O		Maintenance I	Oredging o	of Mobi	ile Harbo	r	Dutra Dredging Comp	pany					146
REPORT	F	X MAINTEN	NANCE		NEW V	WORK					ATE 11/02/2014		
DRED	GE	HOPF	PER CAP:			4487 CY	AVG VOL OF BIN WAT	ER:	4487 CY	AVG	UNFILLED CAP	:	0 CY
Stuyv	esant	NO. OF CF MEMBEF			DREDG 22	iΕ	OTHER PLANT	WORK SCH	HEDULE	SHIF	TS PER DAY	DAYS PER WEEK	
LOCATION		LOCATION CH	IANNEL	REAC	H DREDO	GED; STA	TO STA	O STA DISPOSAL AREA USE   C				CUMULATIVE AND QTY DEPOSIT FOR DA(CY)	
1101	VIV.	Mobile Harbor		Station	n 270+00		) & 165 to 185	1,and 2			23,708		1,005,021
		AVG LENGTH	OF CUT			3000 FT	AVG WIDTH OF CUT		200 FT	AVG [	DIST TO DUMP		41 NM
CHARAC		DENSITY OF M	ATERIALS	1					1.45	GMS/L	ITER		1.45
MATER	RIAL	DENSITY OF W	ATER						1.0060	GMS/L	ITER@		72 °F
RIVER/		MIN	0.40	TIME		09:24	MAX 1.90	TIME	00:06	GAGE	LOCATION Do	g Riv	ver
STAC	<b>5</b> C	MIN	0.00	TIME		00:00	MAX 0.00	TIME	00:00	GAGE	DATUM MI	LLW	
WEATHER C	ONDITION	WEATHER	and No Dol	01/			TEMP 37 °F / 64 °F						
		Weather Cause  DRAFT	sea No Dei	ay			37 F / 64 F	DISTRIBUT	•	13 MP E AND	MILES RUN		
	LIGHT		LOADED						AGITAT (MIN		DREDGE 8 HAUL (MIN		MILES RUN (NAUT MI)
FORWARD		17				24	EFFECTIVE WORKING	TIME:	(IVIIIV	,	TIAOL (MIN		(NAOT WII)
AFT		29				29	PUMPING:					1:54	0.0
DRAG DEPTH	MAX 0		L MIN	1.0			TURNING:			00:00	00	0:00	0.0
DIVIO DEI III	W// OC O						TO DUMP:			00:00	11	1:05	0.0
INDICATORS LA	AST CHECKED (	ON 09/13/20 <sup>-</sup>	14				CONNECTING:	(		00:00	00	0:00	0.0
AVERAGE SPE	ED OF DREDGE	DURING	F	T/MIN			DUMPING:			00:00	00	0:17	0.0
LOADING AVERAGE SPE	ED OF DREDGE	DURING	F	T/MIN		0	DISCONNECTING:			00:00	00	0:00	0.0
AGITATING	UEL OIL CONSU			GAL		0	то сит:			00:00	10	0:44	0.0
	VATER CONSUN			GAL			TOTALS:			00:00	24	4:00	0.0
GALLONS OF V	VATER CONSUM	MED		GAL		2,000	NON-EFFECTIVE WOR	RKING TIME:					
	'	WORK PERFORI	MED				TAKING ON FUEL AND			00:00	00	0:00	0.0
		ND HAULING				ATING	TO AND FROM WHARF ANCHORAGE:			00:00	00	0:00	0.0
NO.OF LOADS 4	TOTAL CYS 23,708		AL AREA 1 & 2			L CYS 0	LOSS DUE TO NATURA ELEMENTS:			00:00	00	0:00	0.0
							LOSS DUE TO TRAFFI BRIDGES	C AND		00:00	00	0:00	0.0
							MINOR OPERATING R			00:00	00	0:00	0.0
							TRANSFERRING BETV WORKS	VEEN		00:00	00	0:00	0.0
		ATTENDANT PL	ANT				LAY TIME:			00:00	00	0:00	0.0
IT	EM	NAME OF	R NUMBER	2	H.P.	HOURS	FIRE AND BOAT DRILL	.S:		00:00	00	0:00	0.0
40' Cre	w Boat	Cape	Anne		400	12:00	MISCELLANEOUS			00:00	00	0:00	0.0
		·					TOTALS			00:00	00	0:00	0.0
							LOST TIME:						
							MAJOR REPAIRS AND ALTERNATIONS			00:00	00	0:00	0.0
							CESSATION:			00:00		0:00	0.0
							COLLISIONS:			00:00		0:00	0.0
							TOTALS:			00:00		0:00	0.0
							TOTAL TIME/MILES:			00:00	24	4:00	0.0

		QUALITY CONTRO	L REPORT-HOPPER	DREDGE		PAGE NO.	Page 256 of 279
CONTRACT NO	).	CONTRACT TITLE	CONTRACT	OR		REPORT NO.	
W91278-14-D	-0041 0001	Maintenance Dredging of Mobile Harbor	Dutra Dredgi	ng Company			146
DREDGE		NAME AND TYPE Stuyvesant				<b>DATE</b> 11/02/2014	
		•	LOADS				
LOAD NUMBER		DREDGING AREA DISPOSAL AREA	START TIME STOP TIME	PUMPING TURNING	DUI	DUMP MPING CUT	TOTAL TIME DREDGED AMOUNT AGITATED AMOUNT
			(HH:MM)	(MIN)		ЛIN)	(MIN/CYS)
1	Sta 266+00 to	270+00	00:00	33		163	231
	Cell 1 & 2		00:33	0		5	5,927
						30	0
2	Sta 258+00 to	270+00	03:51	45		213	454
	Cell 1 & 2		04:36	0		6	5,927
						190	0
3	Sta 185+00 to	165+00	11:25	17		249	495
	Cell 1 & 2		11:42	0		6	5,927
	001 0.2					223	0
4	Sta 185+00 to	165+00	19:40	19		40	260
	Cell 1 & 2		19:59	0		0	5,927
	-3 2					201	0

**GENERAL COMMENTS** 

CONTRACTOR CERTIFICATION	material used a	On behalf of the contractor, I certify that this Report is complete and correct and all equipment and naterial 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									PA	AGE NO.	F	Page 257 of 279		
CONTRACT NO		CONTRACT TI					CONTRAC				RE	PORT NO.		
W91278-14-D		Maintenance I		of Mob			Dutra Dred	ging Comp	oany		D/	ATE		147
REPORT	•	X MAINTEN	NANCE		NEW V	VORK	T					11/03/2014		
DRED	GE		PER CAP:			4487 CY	AVG VOL OF	BIN WAT	TER:	4487 CY	AVG I	JNFILLED CAP	:	0 CY
Stuyv	esant	NO. OF CF MEMBER			DREDG 22	E	OTHER P	LANT	WORK SCI	HEDULE	SHIFT	rs per day 2	DA	AYS PER WEEK
LOCATIO		LOCATION CH	IANNEL	REAC		SED; STA			DISPOSAL A		QTY D GROS	EPOSITED (		JLATIVE AND QTY OSIT FOR DA(CY)
WOF	RK	Mobile Harbor		Station	n 270+00	to 250+00	& 165 to 185		Open Water 1,and 2	Cell	GROS	17,781	DLI	1,022,802
		AVG LENGTH	OF CUT			3000 FT	AVG WIDTH	OF CUT		200 FT	AVG [	DIST TO DUMP		41 NM
CHARAC*	TER OF	DENSITY OF M	ATERIALS	;						1.45	GMS/L	ITER		1.45
MATER	RIAL	DENSITY OF W	ATER							1.0060	GMS/L	ITER@		72 °F
RIVER/		MIN	0.40	TIME		09:24	MAX	1.90	TIME	00:06	GAGE	LOCATION D	og Riv	/er
O IA	J_	MIN	0.00	TIME		00:00	MAX	0.00	TIME	00:00		DATUM M	LLW	
WEATHER C	ONDITION	WEATHER Weather Caus	sed No Del	lav			TEMP	89 °F	VISIBILITY 10 MI		WIND 10 MP	Н		
		DRAFT		<u>y</u>			39 °F / 69 °F   10 MI   10  DISTRIBUTION OF TIME A							
	LIGHT		LOADED							AGITA (MII		DREDGE &		MILES RUN (NAUT MI)
FORWARD		17				24	EFFECTIVE \	WORKING	TIME:	(	<u>.,</u>	02 (	7	(
AFT		29				29	PUMPING:				00:00	0	1:34	0.0
DRAG DEPTH	MAX 0		MIN	I 0			TURNING:				00:00	00	0:00	0.0
INDICATOROLL	NOT OUTOUED	2N 20/40/00					TO DUMP:			00		1	1:09	0.0
INDICATORS LA	AST CHECKED (	ON 09/13/20 <sup>-</sup>	14				CONNECTIN	G:			00:00	00	0:00	0.0
	ED OF DREDGE	DURING	F	T/MIN		0	DUMPING:				00:00	00	0:15	0.0
LOADING AVERAGE SPEI	ED OF DREDGE	DURING	F	T/MIN		0	DISCONNEC	TING:		00:00		0(	0:00	0.0
AGITATING GALLONS OF F	UEL OIL CONSU	JMED		GAL		7,686	TO CUT:			00:00		10	0:03	0.0
GALLONS OF V	VATER CONSUM	ИED		GAL		2,000	TOTALS:				00:00	23	3:01	0.0
		WORK BEREAR	AED			2,000	NON-EFFEC			Г		<u> </u>	-	
		WORK PERFORI	WIED.		4017		TAKING ON I				00:00		0:00	0.0
NO.OF LOADS	TOTAL CYS	AND HAULING DISPOS	AL AREA		TOTA	L CYS	ANCHORAGE LOSS DUE TO	Ē:			00:00		0:00	0.0
4	17,781		1 & 2			)	ELEMENTS: LOSS DUE TO				00:00		0:00	0.0
							BRIDGES				00:00		0:54	0.0
							MINOR OPER				00:00		0:00	0.0
							WORKS LAY TIME:				00:00		0:00	0.0
		ATTENDANT PL	ANT	ı		1	FIRE AND BO	OAT DRILL	S·		00:00		0:00	0.0
IΤ	EM	NAME OF	R NUMBER	₹	H.P.	HOURS	MISCELLANE				00:00		0:05	0.0
40' Cre	w Boat	Cape	Anne		400	12:00	TOTALS				00:00		0:59	0.0
							LOST TIME:			<u> </u>		1		
							MAJOR REP				00:00	00	0:00	0.0
							ALTERNATIO CESSATION:				00:00	00	0:00	0.0
							COLLISIONS	:			00:00	00	0:00	0.0
							TOTALS:				00:00	00	0:00	0.0
							TOTAL TIME	MILES:			00:00	24	4:00	0.0
													_	

		QUALITY CONTROL	REPORT-HOPPER	DREDGE		PAGE NO.	Page 258 of 279
CONTRACT NO	<b>D.</b>	CONTRACT TITLE	REPORT NO				
W91278-14-[	D-0041 0001	Maintenance Dredging of Mobile Harbor	Dutra Dredgi	ng Company			147
DREDGE		NAME AND TYPE Stuyvesant				<b>DATE</b> 11/03/2014	ı
			LOADS			•	
LOAD NUMBER		DREDGING AREA DISPOSAL AREA	START TIME STOP TIME (HH:MM)	PUMPING TURNING (MIN)	DUM TO	DUMP MPING CUT MIN)	TOTAL TIME DREDGED AMOUNT AGITATED AMOUNT (MIN/CYS)
1	Sta 165+00 to	185+00	00:00	1	,	185	190
	Cell 1 & 2		00:01	0		4	0
						0	0
2	Sta 258+00 to	269+00	03:20	55		212	463
	Cell 1 & 2		04:15	0		6	5,927
						190	0
3	Sta 165+00 to	185+00	11:52	20		228	462
· ·	Cell 1 & 2		12:12	0		5	5,927
						209	0
4	Sta 165+00 to	185+00	19:34	18		44	266
	Cell 1 & 2		19:52	0		0	5,927
						204	0

### **GENERAL COMMENTS**

1381 Minutes, 100% Pay 59 Minutes, 70% Pay Slowed for Crew Boat & traffic

CONTRACTOR CERTIFICATION	material used and work performe	On behalf of the contractor, I certify that this Report is complete and correct and all equipment and naterial 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								

			QUA	ALITY	CONTR	OL REPO	ORT-HO	PPER DREDG	SE .		F	PAGE NO.	ı	Page 259 of 279
CONTRACT NO		CONTRACT TI						TRACTOR			F	REPORT NO.		
W91278-14-D CHARACTER O		Maintenance I		of Mob			Dutra	a Dredging Comp	pany		+	DATE		148
REPORT	•	X MAINTE	NANCE		NEW V	WORK						11/04/2014		
DRED	GE		PER CAP:			4487 CY	AVG V	OL OF BIN WAT	ER:	4487 CY	AVG	UNFILLED CAP	P:	0 CY
Stuyv	esant	NO. OF CE MEMBER			DREDG	iΕ	ОТІ	HER PLANT	WORK SCI	HEDULE	SHIF	FTS PER DAY		AYS PER WEEK
LOCATIO	ON OF	LOCATION CH	IANNFI	RFAC	H DREDG	SED; STA	TO STA	2	DISPOSAL A	REA USE	QTY	DEPOSITED 2	СИМ	7 ULATIVE AND QTY
WOF		Mobile Harbor	.,			to 250+00		Open Water Cell G			GRO	SS(CY) 17,781		OSIT FOR DA(CY) 1,040,583
		AVG LENGTH	OF CUT	Otatioi	1 210100	3000 FT		VIDTH OF CUT		200 FT	AVG	DIST TO DUMF	•	41 NM
CHARACT	TED OF	DENSITY OF M	ATERIALS	1						1.45	GMS/	/LITER		1.45
CHARACT MATER		DENSITY OF W	ATER							1.0060	GMS/	/LITER@		72 °F
RIVER/	TIDE	MIN	0.40	TIME		09:24	MAX	1.90	TIME	00:06	GAGE	E LOCATION D	og Ri	ver
STAC		MIN	0.00	TIME	•	00:00	MAX	0.00	TIME	00:00	GAGE	E DATUM N	/LLW	
WEATHER C	ONDITION	WEATHER					TEMP		VISIBILITY W			j		
WEXTILITY		Weather Caus	sed No Del	ay			·				5 MP			
		DRAFT							DISTRIBUT			D MILES RUN	0 1	MILEO DUN
	LIGHT		LOADED						AGITATINO (MIN)			DREDGE HAUL (MII		MILES RUN (NAUT MI)
FORWARD		17				24	<u> </u>	TIVE WORKING	(ING TIME:					
AFT		29				29	PUMPII				00:0		01:04	0.0
DRAG DEPTH	MAX 0		MIN	1 0			TURNII				00:0		00:00	0.0
INDICATORS LA	AST CHECKED (	ON 09/13/20	14				TO DUI				00:0		12:18	0.0
							DUMPI	ECTING:			00:0		00:00	0.0
AVERAGE SPEE LOADING	ED OF DREDGE	DURING	F	T/MIN		0		NNECTING:			00:0		00:00	0.0
AVERAGE SPEE AGITATING	ED OF DREDGE	DURING	F	T/MIN		0	TO CU			00:00			10:20	0.0
GALLONS OF F	UEL OIL CONSU	JMED		GAL		7,602	TOTAL				00:0	_	24:00	0.0
GALLONS OF V	VATER CONSUM	ИED		GAL		2,000		FFECTIVE WOR	KING TIME:			<u> </u>		
	,	WORK PERFORI	MED				TAKING	G ON FUEL AND	SUPPLIES		00:0	0 (	00:00	0.0
	DREDGING A	AND HAULING			AGIT	ATING		O FROM WHARF DRAGE:	OR		00:0	0 (	00:00	0.0
NO.OF LOADS 4	TOTAL CYS 17,781		AL AREA 1 & 2			L CYS 0		DUE TO NATURA	AL		00:0	0 (	00:00	0.0
	,	00				<u> </u>		DUE TO TRAFFIC	C AND		00:0	0 0	00:00	0.0
								OPERATING R	EPAIRS		00:0	0 0	00:00	0.0
							TRANS	FERRING BETV	VEEN		00:0	0 0	00:00	0.0
		<u>l</u> Attendant Pl	ANT				LAY TI	ME:			00:0	0 0	00:00	0.0
IT	EM	1	R NUMBER	,	H.P.	HOURS	FIRE A	ND BOAT DRILL	.S:		00:0	0 0	00:00	0.0
40' Cre			Anne	`	400	12:00	MISCEI	LLANEOUS			00:0	0 (	00:00	0.0
40 016	w boat	Саре	Aille		400	12.00	TOTAL	S			00:0	0 0	00:00	0.0
							LOST T							
								R REPAIRS AND NATIONS			00:0	0 0	00:00	0.0
							CESSA	TION:			00:0	0 0	00:00	0.0
							COLLIS	SIONS:			00:0	0 0	00:00	0.0
							TOTAL	S:			00:0	0 0	00:00	0.0
							TOTAL	TIME/MILES:			00:0	0 2	24:00	0.0

		QUALITY CONTRO	L REPORT-HOPPER	DREDGE		PAGE NO.	Page 260 of 279		
CONTRACT NO	).	CONTRACT TITLE	CONTRACT TITLE CONTRACTOR R						
W91278-14-D	-0041 0001	Maintenance Dredging of Mobile Harbor	Dutra Dredgi	ng Company			148		
DREDGE		NAME AND TYPE Stuyvesant				<b>DATE</b> 11/04/2014			
			LOADS			-			
LOAD NUMBER		DREDGING AREA DISPOSAL AREA	START TIME STOP TIME	PUMPING TURNING	DUN	DUMP MPING CUT	TOTAL TIME DREDGED AMOUNT AGITATED AMOUNT		
			(HH:MM)	(MIN)		ЛIN)	(MIN/CYS)		
1	Sta 165+00 to	185+00	00:00	1		178	185		
	Cell 1 & 2		00:01	0		6	0		
						0	0		
2	Sta 165+00 to	185+00	03:05	26		231	476		
	Cell 1 & 2		03:31	0		6	5,927		
						213	0		
3	Sta 165+00 to	185+00	11:01	19		240	475		
	Cell 1 & 2		11:20	0		6	5,927		
					:	210	0		
4	Sta 165+00 to	185+00	18:56	18		89	304		
	Cell 1 & 2		19:14	0		0	5,927		
	33 42					197	0		

**GENERAL COMMENTS** 

CONTRACTOR CERTIFICATION	material used a	On behalf of the contractor, I certify that this Report is complete and correct and all equipment and naterial 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							

			QUA	ALITY	CONTR	OL REPO	ORT-HO	PPER DREDG	E		F	PAGE NO.	ľ	Page 261 of 279	
CONTRACT NO		CONTRACT TI		of Mak	ilo Uorbo			RACTOR			F	REPORT NO.		440	
W91278-14-D CHARACTER O		Maintenance I		dow to			Dutra	Dredging Comp	any		-	DATE		149	
REPORT		X MAINTE	NANCE		NEW V	VORK	ı			1		11/05/2014			
DRED	GE		PER CAP:			4487 CY	AVG VC	OL OF BIN WAT	ER:	4487 CY	AVG	UNFILLED CA	P:	0 CY	
Stuyv	esant	NO. OF CF MEMBER			DREDG 22	E	ОТН	ER PLANT	WORK SCI	HEDULE	SHII	FTS PER DAY		AYS PER WEEK	
LOCATIO	ON OF	LOCATION CH	IANNEL	REAC		SED; STA	TO STA	2	DISPOSAL A			DEPOSITED	СПМ	JLATIVE AND QTY	
WOF	RK	Mobile Harbor		Station	n 226+00	to 250+00	)		Open Water ( 1,and 2	Cell	GRO	SS(CY) 5,927		OSIT FOR DA(CY) 1,046,510	
		AVG LENGTH	OF CUT			3000 FT	AVG W	IDTH OF CUT		200 FT	AVG	DIST TO DUM	Ρ	41 NM	
CHARACT	TER OF	DENSITY OF M	ATERIALS	i						1.45	GMS/	/LITER		1.45	
MATER	RIAL	DENSITY OF W	ATER							1.0060	GMS/	/LITER@		72 °F	
RIVER/		MIN	0.40	TIME		09:24	MAX	1.90	TIME	00:06	GAGI	E LOCATION D	og Ri	ver	
STAC	3E	MIN	0.00	TIME		00:00	MAX	0.00	TIME	00:00	GAGI	E DATUM N	ИLLW		
WEATHER C	ONDITION	WEATHER Weather Caus	sed No Del	av			TEMP 59	°F / 77 °F	VISIBILITY 10 MI		WINE				
		DRAFT		<u>~y</u>			DISTRIBUTION OF TIME A								
	LIGHT		LOADED				AGITATING (MIN)				DREDGE HAUL (MI		MILES RUN (NAUT MI)		
FORWARD		17				24	EFFECTIVE WORKING TIME:		•,	TIVOL (WIII	. • •	(10.10.1.1011)			
AFT		29				29	PUMPIN	UMPING: 00			00:0	0 (	00:29	0.0	
DRAG DEPTH	MAX 0		MIN	1.0			TURNIN	G:			00:0	0 (	00:00	0.0	
	TO DUMP:				00:0	0 (	05:09	0.0							
INDICATORS LA	IDICATORS LAST CHECKED ON 09/13/2014			CONNE	CTING:			00:0	0 (	00:00	0.0				
AVERAGE SPE	ED OF DREDGE	DURING	F	T/MIN			DUMPIN	IG:			00:0	0 (	00:06	0.0	
LOADING AVERAGE SPE	ED OF DREDGE	DURING	F	T/MIN		0	DISCON	INECTING:			00:0	0 (	00:00	0.0	
AGITATING	UEL OIL CONSU			GAL		0	TO CUT				00:0	0 (	03:41	0.0	
	VATER CONSUM			GAL			TOTALS	3:			00:0	.0	09:25	0.0	
UALLONG OF V	VATER CONSOR			OAL		2,000	NON-EF	FECTIVE WOR	KING TIME:						
		WORK PERFORI	MED	ı				ON FUEL AND			00:0	0 1	13:35	0.0	
NO OF LOADS		ND HAULING				ATING	ANCHO				00:0	0 (	00:00	0.0	
NO.OF LOADS 2	TOTAL CYS 5,927		AL AREA 1 & 2			L CYS	ELEMEN				00:0	0 (	00:00	0.0	
							BRIDGE	UE TO TRAFFIC	CAND		00:0	0 (	00:00	0.0	
								OPERATING RE			00:0		00:00	0.0	
							WORKS	FERRING BETW	VEEN		00:0	0 (	00:00	0.0	
		ATTENDANT PL	ANT				LAY TIM	IE:			00:0	0 (	00:00	0.0	
IT	EM	NAME OF	R NUMBER	₹	H.P.	HOURS	FIRE AND BOAT DRILLS:		00:0		00:00	0.0			
40' Cre	Crew Boat Cape Anne 400 12:00 MISCELLANEOUS		00:0		01:00	0.0									
							TOTALS				00:0	0	14:35	0.0	
							LOST TI	ME: REPAIRS AND							
							ALTERN	IATIONS			00:0		00:00	0.0	
							CESSAT				00:0		00:00	0.0	
							COLLISI				00:00		00:00	0.0	
							TOTALS				00:0		00:00	0.0	
							IOIAL	TIME/MILES:			00:0	U 2	24:00	0.0	

		QUALITY CONTRO	L REPORT-HOPPER	DREDGE		PAGE NO.	Page 262 of 279		
CONTRACT NO. W91278-14-D-0041 0001		CONTRACT TITLE  Maintenance Dredging of Mobile Harbor		CONTRACTOR Dutra Dredging Company			149		
DREDGE		NAME AND TYPE Stuyvesant				<b>DATE</b> 11/05/2014			
			LOADS						
LOAD NUMBER		DREDGING AREA DISPOSAL AREA				PUMPING TURNING	DUI	DUMP MPING CUT	TOTAL TIME DREDGED AMOUNT AGITATED AMOUNT
	_		(HH:MM)	(MIN)		MIN)	(MIN/CYS)		
1	Sta 226+00 to	250+00	00:00	1		141	148		
	Cell 1 & 2		00:01	0		6	0		
						0	0		
2	Sta 226+00 to 250+00		02:28	28	168		417		
	Cell 1 & 2		02:56	02:56 0		0	5,927		
						221	0		

#### **GENERAL COMMENTS**

625 Minutes, 100% Pay 815 Minutes, 0% Pay Fuel Day

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 INITIAL	S DATE								

			QUA	LITY	CONTR	OL REPO	ORT-HOPPER DRED	GE		PA	AGE NO.	Р	age 263 of 279
CONTRACT NO		CONTRACT TI					CONTRACTOR			RE	PORT NO.		
W91278-14-D		Maintenance I	Oredging o	of Mobi	ile Harbo	r	Dutra Dredging Com	pany		_			150
CHARACTER O REPORT	F	X MAINTEN	NANCE		NEW \	WORK					ATE 11/06/2014		
DRED	GE	HOPE	ER CAP:			4487 CY	AVG VOL OF BIN WA	TER:	4487 CY	AVG (	JNFILLED CAP	:	0 CY
Stuyv	esant	NO. OF CF MEMBER			DREDG	iΕ	OTHER PLANT	WORK SC	HEDULE	SHIFT	rs per day	DA	YS PER WEEK
1.004714		LOCATION CH	IANNEI	DEAC	22	GED; STA	2	DISPOSAL /	AREA USE	QTY D	2 EPOSITED	CUMU	7 ILATIVE AND QTY
LOCATIO WOR		Mobile Harbor				*		Open Water	Cell	GROS	S(CY)		OSIT FOR DA(CY) 1,064,191
		AVG LENGTH		Station	1 108+00	to 130+00 3000 FT	AVG WIDTH OF CUT	T,and Z	200 FT	AVG E	17,681 <b> </b> DIST TO DUMP		41 NM
0114546		DENSITY OF M	ATERIALS	 IALS					1.45	GMS/L	ITER		1.45
	CHARACTER OF MATERIAL DENSITY OF WA								1.0060	GMS/L	ITER@		72 °F
		MIN	0.40	TIME		09:24	MAX 1.90	TIME	00:06	GAGE	LOCATION Do	oa Riv	·er
RIVER/ STAC		MIN	0.00		•		,	TIME				LLW	
		WEATHER	0.00				TEMP	VISIBILITY		WIND			
WEATHER C	ONDITION	Weather Caus	sed No Dela	ay			59 °F / 79 °F	10 MI		23 MP	Н		
	DRAFT DISTRIBUTION OF T				TION OF TIM	IE AND	MILES RUN						
	LIGHT		LOADED						AGITAT (MIN		DREDGE 8 HAUL (MIN		MILES RUN (NAUT MI)
FORWARD		17				24	EFFECTIVE WORKING	3 TIME:	• ` `		- \	,	
AFT		29				29	PUMPING:			00:00	00	0:59	0.0
DRAG DEPTH	MAX 0	0 MIN 0					TURNING:			00:00	00	0:00	0.0
INDICATORS LAST CHECKED ON 09/13/2014						TO DUMP:			00:00	11	1:31	0.0	
INDICATORS EA	INDICATORS LAST CHECKED ON 09/13/2014						CONNECTING:			00:00	00	0:00	0.0
AVERAGE SPEI LOADING	ED OF DREDGE	DURING	F7	Γ/ΜΙΝ		0	DUMPING:			00:00	00	0:19	0.0
AVERAGE SPEI AGITATING	ED OF DREDGE	DURING	F7	Γ/ΜΙΝ		0	DISCONNECTING:			00:00		0:00	0.0
GALLONS OF F	UEL OIL CONSI	JMED		GAL		6,006	TO CUT:			00:00		0:36	0.0
GALLONS OF V	VATER CONSUM	MED		GAL		2,000	TOTALS:  NON-EFFECTIVE WOI	DKING TIME:		00:00	23	3:25	0.0
	,	WORK PERFORI	MED			· · · · · · · · · · · · · · · · · · ·	TAKING ON FUEL ANI		T	00:00	I 00	0:00	0.0
	DREDGING A	AND HAULING			AGIT	ATING	TO AND FROM WHAR			00:00		0:00	0.0
NO.OF LOADS	TOTAL CYS	DISPOS	AL AREA			L CYS	ANCHORAGE: LOSS DUE TO NATUR	AL		00:00		0:00	0.0
4	17,681	Cell	1 & 2		-	0	ELEMENTS: LOSS DUE TO TRAFF	IC AND		00:00		0:35	0.0
							BRIDGES MINOR OPERATING F	REPAIRS		00:00		0:00	0.0
							TRANSFERRING BET	WEEN		00:00	00	0:00	0.0
		ATTENDANT DI	4 N.T				WORKS LAY TIME:			00:00	00	0:00	0.0
		ATTENDANT PL				l	FIRE AND BOAT DRIL	LS:		00:00	00	0:00	0.0
	EM		NUMBER	ł.	H.P.	HOURS	MISCELLANEOUS			00:00	00	0:00	0.0
40' Cre	w Boat	Cape	Anne		400	12:00	TOTALS			00:00	00	0:35	0.0
							LOST TIME:		1				
							MAJOR REPAIRS AND ALTERNATIONS	)		00:00	00	0:00	0.0
							CESSATION:			00:00	00	0:00	0.0
							COLLISIONS:			00:00	00	0:00	0.0
							TOTALS:			00:00	00	0:00	0.0
							TOTAL TIME/MILES:			00:00	24	4:00	0.0

		QUALITY CONTROL	REPORT-HOPPER	DREDGE		PAGE NO.	Page 264 of 279		
CONTRACT NO	<b>)</b> .	CONTRACT TITLE	CONTRACT	OR		REPORT NO			
W91278-14-[	0-0041 0001	Maintenance Dredging of Mobile Harbor	tenance Dredging of Mobile Harbor Dutra Dredging Company						
DREDGE		NAME AND TYPE Stuyvesant	-						
			LOADS						
LOAD NUMBER		DREDGING AREA DISPOSAL AREA	START TIME STOP TIME (HH:MM)	PUMPING TURNING (MIN)	DUM TO	DUMP MPING CUT MIN)	TOTAL TIME DREDGED AMOUNT AGITATED AMOUNT (MIN/CYS)		
1	Sta 165+00 to	185+00	00:00	1	(1	41	48		
'	Cell 1 & 2		00:01	0		6	0		
	33 1 3.2					0	0		
2	Sta 165+00 to	185+00	00:48	18		212	468		
	Cell 1 & 2		01:06	0		6	5,927		
						232	0		
3	Sta 130+00 to	108+00	09:11	19		251	482		
	Cell 1 & 2		09:30	0		7	5,827		
						205	0		
4	Sta 130+00 to	108+00	17:13	21		187	407		
	Cell 1 & 2		17:34	0		0	5,927		
						199	0		

### **GENERAL COMMENTS**

1405 Minutes, 100% Pay 35 Minutes, 70% Pay Traffic

CONTRACTOR CERTIFICATION	material used a	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						

			QUA	LITY	CONTR	OL REPO	ORT-HOPPER DRED	GE		PA	AGE NO.	Р	age 265 of 279
CONTRACT NO		CONTRACT TI					CONTRACTOR			RE	EPORT NO.		
W91278-14-D		Maintenance I	Dredging o	of Mobi	ile Harbo	r	Dutra Dredging Com	pany					151
CHARACTER C REPORT	)F	X MAINTEN	NANCE		NEW \	WORK					ATE 11/07/2014		
DRED	OGE	HOPF	PER CAP:			4487 CY	AVG VOL OF BIN WA	ΓER:	4487 CY	AVG I	UNFILLED CAP	<b>)</b> :	0 CY
Stuyv	resant	NO. OF CF MEMBEF			DREDG	iΕ	OTHER PLANT	WORK SC	HEDULE	SHIFT	TS PER DAY	DA	YS PER WEEK
LOCATIO	ON OF	LOCATION CH	IANNFI	REAC	H DREDO	GED; STA	TO STA	DISPOSAL A	REA USE	QTY D	EPOSITED (	CUMU	7 JLATIVE AND QTY
WOF		Mobile Harbor			n 108+00 to 130+00			Open Water 1,and 2	Cell	GROS	S(CY) 17,781	DEPO	OSIT FOR DA(CY) 1,081,972
		AVG LENGTH		Station	1 100+00	3000 FT	AVG WIDTH OF CUT	i,and 2	200 FT	AVG [	DIST TO DUMP	1	41 NM
CHARAC	TER OF	DENSITY OF M	ATERIALS						1.45	GMS/L	ITER		1.45
	CHARACTER OF MATERIAL DENSITY OF WAR								1.0060	GMS/L	ITER@		72 °F
		MIN	0.40	TIME		09:24	MAX 1.90	TIME	00:06	GAGE	LOCATION Do	og Riv	/er
RIVER/ STA		MIN	0.00	TIME		00:00	MAX 0.00	TIME	00:00	GAGE	DATUM M	LLW	
		WEATHER					TEMP	VISIBILITY		WIND	<del></del>		
WEATHER C	ONDITION	Weather Caus	sed No Dela	ay			45 °F / 64 °F	10 MI		21 MP	H		
						ION OF TIM	ON OF TIME AND MILES RUN						
	LIGHT		LOADED						AGITATI (MIN)		DREDGE 8 HAUL (MIN		MILES RUN (NAUT MI)
FORWARD		17				24	EFFECTIVE WORKING	S TIME:				,	
AFT		29				29	PUMPING:			00:00		1:37	0.0
DRAG DEPTH	MAX 0	) MIN 0					TURNING:			00:00	00	0:00	0.0
INDICATORS LAST CHECKED ON 09/13/2014						TO DUMP:			00:00	1	1:50	0.0	
INDIOATOROLA	INDICATORS LAST CHECKED ON 09/13/2014						CONNECTING:			00:00	00	0:00	0.0
AVERAGE SPE	ED OF DREDGE	DURING	F7	Γ/ΜΙΝ		0	DUMPING:			00:00	00	0:18	0.0
	ED OF DREDGE	DURING	F7	Γ/ΜΙΝ		0	DISCONNECTING:			00:00		0:00	0.0
	UEL OIL CONSU	JMED		GAL		8,484	TO CUT:			00:00		0:15	0.0
GALLONS OF V	VATER CONSUM	MED		GAL		2,000	TOTALS:  NON-EFFECTIVE WOI	OKING TIME:		00:00		4:00	0.0
	,	WORK PERFOR	MED				TAKING ON FUEL ANI			00:00	00	0:00	0.0
	DREDGING A	AND HAULING			AGIT	ATING	TO AND FROM WHAR			00:00		0:00	0.0
NO.OF LOADS 4	TOTAL CYS		AL AREA			L CYS	ANCHORAGE: LOSS DUE TO NATUR ELEMENTS:	AL		00:00	0/	0:00	0.0
	17,781	Cell	1 & 2		<u>'</u>	0	LOSS DUE TO TRAFF BRIDGES	C AND		00:00	0(	0:00	0.0
							MINOR OPERATING F	EPAIRS		00:00	0(	0:00	0.0
							TRANSFERRING BET	WEEN		00:00	0(	0:00	0.0
		I ATTENDANT PLA	ANT				LAY TIME:			00:00	00	0:00	0.0
IT	EM	1	R NUMBER	2	H.P.	HOURS	FIRE AND BOAT DRIL	LS:		00:00	00	0:00	0.0
	ew Boat		Anne		400	12:00	MISCELLANEOUS			00:00	00	0:00	0.0
10 010		Сиро	741110			12.00	TOTALS			00:00	00	0:00	0.0
							LOST TIME:						
							MAJOR REPAIRS AND ALTERNATIONS			00:00	00	0:00	0.0
							CESSATION:			00:00	00	0:00	0.0
							COLLISIONS:			00:00	00	0:00	0.0
							TOTALS:			00:00		0:00	0.0
							TOTAL TIME/MILES:			00:00	24	4:00	0.0

		QUALITY CONTROL	REPORT-HOPPER	DREDGE		PAGE NO.	Page 266 of 279
CONTRACT NO	).	CONTRACT TITLE	CONTRACTO	OR		REPORT NO	).
W91278-14-E	0-0041 0001	Maintenance Dredging of Mobile Harbor	Dutra Dredgi	151			
DREDGE NAME AND TYPE Stuyvesant				<b>DATE</b> 11/07/2014			
		•	LOADS			•	
LOAD NUMBER		DREDGING AREA DISPOSAL AREA	START TIME STOP TIME	PUMPING TURNING	DUI	DUMP MPING CUT	TOTAL TIME DREDGED AMOUNT AGITATED AMOUNT
			(HH:MM)	(MIN)	1)	ΛIN)	(MIN/CYS)
1	Sta 130+00 to	108+00	00:00	1		58	65
	Cell 1 & 2		00:01	0		6	0
						0	0
2	Sta 130+00 to	108+00	01:05	32		262	541
	Cell 1 & 2		01:37	0		6	5,927
						241	0
3	Sta 227+00 to	270+00	10:06	45		220	450
	Cell 1 & 2		10:51	0		6	5,927
						179	0
4	Sta 130+00 to	108+00	17:36	19		170	384
•	Cell 1 & 2		17:55	0		0	5,927
	-5 5.2					195	0

**GENERAL COMMENTS** 

CONTRACTOR CERTIFICATION	material used a	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						

			QUA	ALITY	CONTR	OL REPO	ORT-HOPPER DREDG	SE .		PA	AGE NO.	F	Page 267 of 279
CONTRACT NO		CONTRACT TI					CONTRACTOR			RE	PORT NO.		
W91278-14-D CHARACTER O		Maintenance I	Oredging o	of Mobi	ile Harbo	r	Dutra Dredging Comp	any			ATE		152
REPORT	'r	X MAINTEN	NANCE		NEW V	WORK					11/08/2014		
DRED	GE	HOPF	PER CAP:			4487 CY	AVG VOL OF BIN WAT	ER:	4487 CY	AVG I	UNFILLED CAP	:	0 CY
Stuyv	esant	NO. OF CF MEMBER			DREDG 22	iΕ	OTHER PLANT	WORK SCH	HEDULE	SHIF	TS PER DAY	DA	AYS PER WEEK
LOCATIO		LOCATION CH	IANNEL	REAC	H DREDO	GED; STA		DISPOSAL A Open Water		QTY D GROS			JLATIVE AND QTY OSIT FOR DA(CY)
WOR	KK.	Mobile Harbor		Station	108+00	to 130+00	0 & 226 to 270	1,and 2	Jeil		17,781	17,781 1,099,753	
		AVG LENGTH	OF CUT			3000 FT	AVG WIDTH OF CUT		200 FT	AVG DIST TO DUMP			41 NM
CHARAC		DENSITY OF M	ATERIALS	;					1.45	GMS/L	ITER		1.45
MATER	RIAL	DENSITY OF W	ATER						1.0060	GMS/L	ITER@		72 °F
RIVER/ STAC		MIN	0.40	TIME		09:24	MAX 1.90	TIME	00:06	GAGE	LOCATION Do	og Riv	/er
O IAC	JL	MIN	0.00	TIME		00:00	MAX 0.00	TIME	00:00	GAGE	DATUM MI	LLW	
WEATHER C	ONDITION	WEATHER Weather Caus	ed No Del	21/			TEMP 45 °F / 63 °F						
		DRAFT	sed NO Dei	ay			DISTRIBUTION OF TIME A			E AND			
	LIGHT		LOADED				AGITATING (MIN)				DREDGE 8 HAUL (MIN		MILES RUN (NAUT MI)
FORWARD		17				24	EFFECTIVE WORKING TIME:					<u>—</u>	
AFT		29				29	PUMPING: 00			00:00	01	1:45	0.0
DRAG DEPTH	DRAG DEPTH MAX 0 MIN (			1 0			TURNING:			00:00	00	0:00	0.0
							TO DUMP:	DUMP:			11	1:16	0.0
INDICATORS LA	S LAST CHECKED ON 09/13/2014 CONNECTING:			00:00	00	0:00	0.0						
AVERAGE SPE	ED OF DREDGE	DURING	F	T/MIN		0	DUMPING:			00:00	00	0:18	0.0
LOADING AVERAGE SPE	ED OF DREDGE	DURING	F	T/MIN			DISCONNECTING:			00:00	00	0:00	0.0
AGITATING GALLONS OF F	UEL OIL CONSU	JMED		GAL		0	то сит:			00:00	10	0:15	0.0
	VATER CONSUM			GAL			TOTALS:			00:00	23	3:34	0.0
O/ILLONG OF V	WATER CONCOR			O/IL		2,000	NON-EFFECTIVE WOR	KING TIME:					
	'	WORK PERFORI	MED				TAKING ON FUEL AND			00:00	00	0:00	0.0
NO 051 0480		ND HAULING				ATING	TO AND FROM WHARF ANCHORAGE:			00:00	00	0:00	0.0
NO.OF LOADS 4	TOTAL CYS 17,781		AL AREA 1 & 2			L CYS 0	LOSS DUE TO NATURA ELEMENTS:			00:00	00	0:00	0.0
							LOSS DUE TO TRAFFI BRIDGES	C AND		00:00	00	0:26	0.0
							MINOR OPERATING R			00:00	00	0:00	0.0
							TRANSFERRING BETV WORKS	VEEN		00:00	00	0:00	0.0
		ATTENDANT PL	ANT				LAY TIME:			00:00	00	0:00	0.0
IT	EM	NAME OF	NUMBER	2	H.P. HOURS FIRE AND BOAT DRILLS:		00:00	00	0:00	0.0			
40' Cre	w Boat	Cape	Anne	400 12:00 MISCELLANEOUS		00:00	00	0:00	0.0				
							TOTALS			00:00	00	0:26	0.0
							LOST TIME:  MAJOR REPAIRS AND					<del></del>	
							ALTERNATIONS			00:00		0:00	0.0
							CESSATION:			00:00		0:00	0.0
							COLLISIONS:			00:00		0:00	0.0
							TOTALS:			00:00		0:00	0.0
							TOTAL TIME/MILES:			00:00	24	4:00	0.0

		QUALITY CONTROL	REPORT-HOPPER	DREDGE		PAGE NO.	Page 268 of 279	
CONTRACT NO	).	CONTRACT TITLE	CONTRACT	OR		REPORT NO		
W91278-14-[	0-0041 0001	Maintenance Dredging of Mobile Harbor	Dutra Dredgi	152				
DREDGE		NAME AND TYPE Stuyvesant						
			LOADS					
LOAD NUMBER		DREDGING AREA DISPOSAL AREA	START TIME STOP TIME (HH:MM)	PUMPING TURNING (MIN)	DUM TO	DUMP MPING CUT MIN)	TOTAL TIME DREDGED AMOUNT AGITATED AMOUNT (MIN/CYS)	
	Sta 240+00 to	270+00	00:00	(IVIIIN)	,	71	(MIIN/C13) 78	
1	Cell 1 & 2	210100	00:01	0		6	0	
2	Sta 240+00 to	270+00	01:18	38		206	447	
-	Cell 1 & 2		01:56	0		6 197	5,927 0	
3	Sta 108+00 to Cell 1 & 2	130+00	08:45 09:11	26 0		245 6 212	489 5,927 0	
4	Sta 108+00 to Cell 1 & 2	130+00	16:54 17:34	40 0		154 0 206	400 5,927 0	

### **GENERAL COMMENTS**

1414 Minutes, 100% Pay 26 Minutes, 70% Pay Traffic

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							

			QUA	ALITY	CONTR	OL REPO	ORT-HOPPER DREDO	GE		PA	AGE NO.	F	Page 269 of 279
CONTRACT NO	) <u>.</u>	CONTRACT TI	TLE				CONTRACTOR			RE	PORT NO.		
W91278-14-D		Maintenance I	Oredging o	of Mobi	ile Harbo	r	Dutra Dredging Comp	oany		4.			153
CHARACTER O	)F	X MAINTEN	NANCE		NEW V	WORK					ATE 11/09/2014		
DRED	GE	HOPF	PER CAP:			4487 CY	AVG VOL OF BIN WATER: 4487 CY		4487 CY	AVG (	JNFILLED CAP:	:	0 CY
Stuyv	esant	NO. OF CF MEMBEF			DREDG 22	iΕ	OTHER PLANT	WORK SCHEDULE		SHIFTS PER DAY		DAYS PER WEEK	
LOCATION		LOCATION CH Mobile Harbor	IANNEL			GED; STA to 130+00	TO STA 0 & 226 to 270, 165 to	JOIA				CUMULATIVE AND QTY DEPOSIT FOR DA(CY) 1 1,117,534	
		AVG LENGTH	OF CUT			3000 FT	1 '			AVG E	DIST TO DUMP		41 NM
CHARAC <sup>*</sup>		DENSITY OF M	ATERIALS	;					1.45	GMS/L	ITER		1.45
MATER	RIAL	DENSITY OF W	ATER						1.0060	GMS/L	ITER@		72 °F
RIVER/		MIN	0.40	TIME		09:24	MAX 1.90	TIME	00:06	GAGE	LOCATION Do	og Riv	ver
STAC	3E	MIN	0.00	TIME		00:00	MAX 0.00	TIME	00:00	SAGE	DATUM ML	LLW	
WEATHER C	ONDITION	WEATHER Weather Caus	and No Dol	21/			TEMP 46 °F / 69 °F						
		DRAFT	300 140 DC	шу			40 1 7 00 1	•	•	MPH E AND	MILES RUN		
	LIGHT		LOADED						AGITATI (MIN)		DREDGE 8 HAUL (MIN		MILES RUN (NAUT MI)
FORWARD		17				24	EFFECTIVE WORKING TIME:				10.02 (10.11)	/	(10.10.1 1111)
AFT		29				29	PUMPING:	PUMPING: 0			01	1:27	0.0
DRAG DEPTH	RAG DEPTH MAX 0 MIN 0			1 0			TURNING:			00:00	00	0:00	0.0
IN IDIO ATO DO L							TO DUMP:			00:00	11	1:58	0.0
INDICATORS LA	AST CHECKED (	ON 09/13/20 <sup>-</sup>	14				CONNECTING:			00:00	00	0:00	0.0
	ED OF DREDGE	DURING	F	T/MIN		0	DUMPING:			00:00	00	0:18	0.0
	ED OF DREDGE	DURING	F	T/MIN		0	DISCONNECTING:			00:00	00	0:00	0.0
AGITATING GALLONS OF F	UEL OIL CONSU	JMED		GAL		7 770	TO CUT:			00:00		9:54	0.0
GALLONS OF V	VATER CONSUM	MED		GAL		2,000	TOTALS:			00:00	23	3:37	0.0
		WORK PERFORI	AED.			2,000	NON-EFFECTIVE WOF				Τ	_	
			MED		ACIT	ATING	TAKING ON FUEL AND TO AND FROM WHARI			00:00		0:00	0.0
NO.OF LOADS	TOTAL CYS	AND HAULING DISPOS	AL AREA			L CYS	ANCHORAGE: LOSS DUE TO NATUR			00:00		0:00	0.0
4	17,781		1 & 2			0	ELEMENTS: LOSS DUE TO TRAFFI			00:00		0:00	0.0
							BRIDGES			00:00		0:23	0.0
							MINOR OPERATING R TRANSFERRING BETV			00:00		0:00	0.0
							WORKS LAY TIME:			00:00		0:00	0.0
	į	ATTENDANT PL	ANT			1	FIRE AND BOAT DRILL	Q.		00:00		0:00	0.0
IT	EM	NAME OF	NUMBER	₹	H.P.	HOURS	MISCELLANEOUS			00:00		0:00	0.0
40' Cre	w Boat	Cape	Anne		400	12:00	TOTALS			00:00		0:23	0.0
							LOST TIME:			00.00		20	0.0
							MAJOR REPAIRS AND			00:00	00	0:00	0.0
							ALTERNATIONS CESSATION:			00:00		0:00	0.0
							COLLISIONS:			00:00		0:00	0.0
							TOTALS:			00:00	00	0:00	0.0
							TOTAL TIME/MILES:			00:00	24	4:00	0.0
		1					<u> </u>						

		QUALITY CONTROL	. REPORT-HOPPER	DREDGE		PAGE NO.	Page 270 of 279	
CONTRACT NO	<b>)</b> .	CONTRACT TITLE	CONTRACT	OR		REPORT N	0.	
W91278-14-I	0-0041 0001	Maintenance Dredging of Mobile Harbor	Dutra Dredgi	ng Company	153			
DREDGE		NAME AND TYPE Stuyvesant	<b>DATE</b> 11/09/201	<b>DATE</b> 11/09/2014				
			LOADS			•		
LOAD NUMBER		DREDGING AREA DISPOSAL AREA	START TIME STOP TIME	PUMPING TURNING	DUM TO	DUMP MPING CUT	TOTAL TIME DREDGED AMOUNT AGITATED AMOUNT	
	10: 100 00:	100.00	(HH:MM)	(MIN)	(1)	MIN)	(MIN/CYS)	
1 Sta 130+00 to		108+00	00:00 00:01	0		72 6	79 0	
	Cell 1 & 2		00.01	Ü		0	0	
2	Sta 130+00 to	108+00	01:19	40		218	472	
_	Cell 1 & 2		01:59	0		6	5,927	
						208	0	
3	Sta 240+00 to	227+00	09:34	25		238	465	
	Cell 1 & 2		09:59	0		6	5,927	
						196	0	
4	Sta 185+00 to	165+00	17:19	21		190	401	
	Cell 1 & 2		17:40	0		0	5,927	
						190	0	

### **GENERAL COMMENTS**

1417 Minutes, 100% Pay 23 Minutes, 70% Pay Traffic

CONTRACTOR CERTIFICATION	material used a	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							

			QUA	LITY	CONTR	OL REPO	RT-HOPPER DRED	GE		PA	GE NO.	P	age 271 of 279
CONTRACT NO		CONTRACT TI					CONTRACTOR			RE	PORT NO.		
W91278-14-D		Maintenance I	Oredging o	f Mob	ile Harbo	r	Dutra Dredging Com	oany					154
REPORT	)F	X MAINTEN	NANCE		NEW \	WORK					ATE 11/10/2014		
DRED	OGE	HOPF	ER CAP:			4487 CY	AVG VOL OF BIN WA	ΓER:	4487 CY	AVG U	JNFILLED CAP	:	0 CY
Stuyv	esant	NO. OF CF MEMBEF			DREDG 22	iΕ	OTHER PLANT	WORK SCHEDULE		SHIFT	S PER DAY	DA	YS PER WEEK
LOCATIO WOR		LOCATION CH			H DREDO	SED; STA to 130+00		DISPOSAL A Open Water 1		GROSS(CY) DEPOSIT FO			LATIVE AND QTY DSIT FOR DA(CY) 1,135,315
		AVG LENGTH	OF CUT			3000 FT	AVG WIDTH OF CUT	1	200 FT	AVG D	DIST TO DUMP		41 NM
CHVBVC	DENSITY OF MATERIALS							1.45	GMS/LI	ITER		1.45	
	CHARACTER OF MATERIAL DENSITY OF WATER								1.0060	GMS/LI	ITER@		72 °F
RIVER/	TIDE	MIN	0.40	TIME		09:24	MAX 1.90	TIME	00:06	GAGE	LOCATION Do	g Riv	er
STA	GE	MIN	0.00	TIME	•	00:00	MAX 0.00	TIME	00:00	GAGE	DATUM MI	LW	
WEATHER C	ONDITION	WEATHER					TEMP	VISIBILITY		WIND			
WEATHER O	ONDITION	Weather Caus	sed No Del	ay			41 °F / 69 °F	10 MI		10 MP	<u>H</u>		
		DRAFT						DISTRIBUT			MILES RUN		
	LIGHT		LOADED						AGITAT (MIN		DREDGE 8 HAUL (MIN		MILES RUN (NAUT MI)
FORWARD		17				24	EFFECTIVE WORKING TIME:						
AFT		29	29 PUMPING:				00:00	01	1:15	0.0			
DRAG DEPTH	DEPTH MAX 0 MIN 0			0			TURNING:			00:00	00	0:00	0.0
INIDICATORCI	ACT CLIFOKED	ON 00/40/00					TO DUMP:			00:00	11	1:59	0.0
INDICATORS LA	AST CHECKED (	ON 09/13/20 <sup>2</sup>	14				CONNECTING:			00:00	00	0:00	0.0
	ED OF DREDGE	DURING	F	Γ/ΜΙΝ		0	DUMPING:			00:00	00	0:23	0.0
LOADING AVERAGE SPE	ED OF DREDGE	DURING	F	Γ/ΜΙΝ		0	DISCONNECTING:			00:00	00	0:00	0.0
AGITATING GALLONS OF F	UEL OIL CONSU	JMED		GAL			то сит:			00:00	10	0:23	0.0
GALLONS OF V	VATER CONSUM	/IED		GAL			TOTALS:			00:00	24	1:00	0.0
				•		2,000	NON-EFFECTIVE WOR	RKING TIME:	ı		_		
	,	WORK PERFORM	MED				TAKING ON FUEL AND			00:00	00	0:00	0.0
NO OF LOADS		AND HAULING				ATING	TO AND FROM WHAR ANCHORAGE:			00:00	00	0:00	0.0
NO.OF LOADS 5	TOTAL CYS 17,781		AL AREA 1 & 2			L CYS 0	LOSS DUE TO NATUR ELEMENTS:			00:00	00	0:00	0.0
							LOSS DUE TO TRAFFI BRIDGES	C AND		00:00	00	0:00	0.0
							MINOR OPERATING R			00:00	00	0:00	0.0
							TRANSFERRING BET\ WORKS	WEEN		00:00	00	0:00	0.0
		ATTENDANT PL	ANT				LAY TIME:			00:00	00	0:00	0.0
ІТ	EM	NAME OF	R NUMBER	1	H.P.	HOURS	FIRE AND BOAT DRIL	LS:		00:00	00	0:00	0.0
	w Boat		Anne		400	12:00	MISCELLANEOUS			00:00	00	0:00	0.0
10 010		Сиро	741110		100	12.00	TOTALS			00:00	00	0:00	0.0
							LOST TIME:						
							MAJOR REPAIRS AND ALTERNATIONS			00:00	00	0:00	0.0
							CESSATION:			00:00	00	0:00	0.0
							COLLISIONS:			00:00	00	0:00	0.0
							TOTALS:			00:00	00	0:00	0.0
							TOTAL TIME/MILES:			00:00	24	1:00	0.0

		QUALITY CONTROL	. REPORT-HOPPER	DREDGE		Page 272 of 279
CONTRACT NO	D.	CONTRACT TITLE	CONTRACT	OR	REPORT N	0.
W91278-14-D	0-0041 0001	Maintenance Dredging of Mobile Harbor	Dutra Dredgi	ng Company		154
DREDGE		NAME AND TYPE	DATE	<b>DATE</b> 11/10/2014		
		Stuyvesant			11/10/20	
			LOADS			
LOAD NUMBER		DREDGING AREA DISPOSAL AREA	START TIME STOP TIME	PUMPING TURNING	TO DUMP DUMPING TO CUT	TOTAL TIME DREDGED AMOUNT AGITATED AMOUNT
			(HH:MM)	(MIN)	(MIN)	(MIN/CYS)
1	1 Sta 240+00 to 226+00		00:00	1	38	45
	Cell 1 & 2		00:01	0	6	0
					0	0
2	Sta 240+00 to	226+00	00:45	33	204	451
	Cell 1 & 2		01:18	0	6	5,927
					208	0
3	Sta 108+00 to	130+00	08:16	21	246	485
	Cell 1 & 2		08:37	0	5	5,927
					213	0
4	Sta 185+00 to	165+00	16:21	19	231	447
	Cell 1 & 2		16:40	0	6	5,927
					191	0
5	Sta 240+00 to	226+00	23:48	1	0	12
	Cell 1 & 2		23:49	0	0	0
					11	0

PAGE NO.

QC NARRATIVE(S)

**GENERAL COMMENTS** 

CONTRACTOR CERTIFICATION	material used a	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						

			QUA	LITY	CONTR	OL REPO	ORT-HOPPER DRE	DG	iΕ		PA	AGE NO.	P	age 273 of 279
CONTRACT NO	).	CONTRACT TI					CONTRACTOR				RE	EPORT NO.		
W91278-14-D		Maintenance I	Oredging o	f Mob	ile Harbo	r	Dutra Dredging Co	mpa	any					155
CHARACTER O REPORT	F	X MAINTEN	NANCE		] NEW \	WORK						ATE 11/11/2014		
DRED	GE	HOPE	ER CAP:			4487 CY	AVG VOL OF BIN W	VATI	ER:	4487 CY	AVG	UNFILLED CAF	<b>&gt;</b> :	0 CY
Stuyv	esant	NO. OF CF MEMBER			DREDG 22	iΕ	OTHER PLANT		WORK SCHEDULE		SHIFTS PER DAY		DA	YS PER WEEK
LOCATIO WOR		LOCATION CH			H DREDO	SED; STA to 130+00			DISPOSAL A Open Water ( 1,and 2					JLATIVE AND QTY OSIT FOR DA(CY) 1,153,096
		AVG LENGTH	OF CUT			3000 FT	AVG WIDTH OF CU	JT		200 FT	AVG [	DIST TO DUMP	,	41 NM
CHVBVC	TED OF	DENSITY OF M	ATERIALS							1.45	GMS/L	ITER		1.45
	CHARACTER OF MATERIAL DENSITY OF WATER									1.0060	GMS/L	ITER@		72 °F
RIVER/	TIDE	MIN	0.40	TIME		09:24	MAX 1.9	90	TIME	00:06	GAGE	LOCATION D	og Riv	er
STAC	GE	MIN	0.00	TIME	•	00:00	MAX 0.0	00	TIME	00:00	GAGE	DATUM M	1LLW	
WEATHER C	ONDITION	WEATHER					TEMP		VISIBILITY		WIND	<del></del>		
	Weather Caused No Delay         46 °F / 73 °F         10 MI           DRAFT         DISTRIBUTION OF 1					10 MPH								
		DRAFT							DISTRIBUT	AGITAT		DREDGE	<del>. Т</del>	MILES RUN
	LIGHT		LOADED				EFFECTIVE MODIZIN	NO	TIME	(MIN)		HAUL (MIN		(NAUT MI)
FORWARD		17				24		VE WORKING TIME:			00:00		01:13	
AFT		29				29	PUMPING: TURNING:				00:00		0:00	0.0
DRAG DEPTH	MAX 0	MAX 0 MIN 0					TO DUMP:				00:00		1:39	0.0
INDICATORS LA	AST CHECKED (	ON 09/13/20	14				CONNECTING:				00:00		00:00	0.0
							DUMPING:				00:00		0:18	0.0
LOADING	ED OF DREDGE		FT	Γ/ΜΙΝ		0	DISCONNECTING:				00:00		00:00	0.0
AVERAGE SPEI AGITATING	ED OF DREDGE	DURING	FT	Γ/ΜΙΝ		0	TO CUT:				00:00		0:50	0.0
GALLONS OF F	UEL OIL CONSI	JMED		GAL		8,652	TOTALS:				00:00		24:00	0.0
GALLONS OF V	VATER CONSUM	ИED		GAL		2,000	NON-EFFECTIVE W	'ORI	KING TIME:			<u> </u>		
	,	WORK PERFORI	MED				TAKING ON FUEL A	ND	SUPPLIES		00:00	0	00:00	0.0
	DREDGING A	AND HAULING			AGIT	ATING	TO AND FROM WHA ANCHORAGE:	ARF	OR		00:00	0	00:00	0.0
NO.OF LOADS 4	TOTAL CYS 17,781		AL AREA 1 & 2			L CYS 0	LOSS DUE TO NATU ELEMENTS:	JRA	AL.		00:00	0	00:00	0.0
	,					<u> </u>	LOSS DUE TO TRAF BRIDGES	FIC	CAND		00:00	0	00:00	0.0
							MINOR OPERATING	RE	EPAIRS		00:00	0	00:00	0.0
							TRANSFERRING BE WORKS	TW	/EEN		00:00	0	00:00	0.0
		I ATTENDANT PL	ANT				LAY TIME:				00:00	0	00:00	0.0
IT	EM	1	R NUMBER		H.P.	HOURS	FIRE AND BOAT DR	RILL:	S:		00:00	0	00:00	0.0
	w Boat		Anne	`	400	12:00	MISCELLANEOUS				00:00	0	00:00	0.0
40 016	-w boat	Саре	Aille		400	12.00	TOTALS				00:00	0	00:00	0.0
							LOST TIME:							
							MAJOR REPAIRS AN ALTERNATIONS	ND			00:00	0	00:00	0.0
							CESSATION:				00:00	0	00:00	0.0
							COLLISIONS:				00:00	0	00:00	0.0
							TOTALS:				00:00	0	00:00	0.0
							TOTAL TIME/MILES:	:			00:00	2	24:00	0.0

	QUALITY CONTROL	REPORT-HOPPER	DREDGE		PAGE NO.	Page 274 of 279		
	CONTRACT TITLE	CONTRACTO	OR		REPORT NO	REPORT NO.		
-0041 0001	Maintenance Dredging of Mobile Harbor	155						
	NAME AND TYPE Stuyvesant	<b>DATE</b> 11/11/201	4					
	-	LOADS						
	DREDGING AREA DISPOSAL AREA	START TIME STOP TIME	PUMPING TURNING	DUM TO	IPING CUT	TOTAL TIME DREDGED AMOUNT AGITATED AMOUNT		
Sta 220±00 to	270+00	,	, ,	,		(MIN/CYS) 409		
Cell 1 & 2	270400	00:30	0		6	5,927 0		
Sta 108+00 to	1300+00	06:49	22		253	496		
Cell 1 & 2		07:11	0	:	6 215	5,927 0		
Sta 130+00 to	108+00	15:05	20		248	503		
Cell 1 & 2		15:25	0	;	6 229	5,927 0		
Sta 239+00 to	270+00	23:28	1		0	32		
Cell 1 & 2		23:29	0		0	0		
					31	0		
	Sta 239+00 to Cell 1 & 2 Sta 108+00 to Cell 1 & 2 Sta 130+00 to Cell 1 & 2 Sta 239+00 to	CONTRACT TITLE  Maintenance Dredging of Mobile Harbor  NAME AND TYPE  Stuyvesant  DREDGING AREA DISPOSAL AREA  Sta 239+00 to 270+00  Cell 1 & 2  Sta 108+00 to 1300+00  Cell 1 & 2  Sta 130+00 to 108+00  Cell 1 & 2  Sta 239+00 to 270+00	CONTRACT TITLE CONTRACTOR  Maintenance Dredging of Mobile Harbor Dutra Dredgin  NAME AND TYPE Stuyvesant  LOADS  DREDGING AREA DISPOSAL AREA DISPOSAL AREA (HH:MM)  Sta 239+00 to 270+00 Cell 1 & 2  Sta 108+00 to 1300+00 Cell 1 & 2  Ocide 1 & 2  Sta 130+00 to 108+00 Cell 1 & 2  Sta 239+00 to 270+00  Sta 239+00 to 270+00  Sta 108+00 to 108+00 Cell 1 & 2  Sta 130+00 to 108+00 Cell 1 & 2  Sta 239+00 to 270+00  23:28 Sta 239+00 to 270+00  23:28	NAME AND TYPE   Stuyvesant   LOADS	CONTRACT TITLE CONTRACTOR  Maintenance Dredging of Mobile Harbor Dutra Dredging Company  NAME AND TYPE Stuyvesant  LOADS  DREDGING AREA DISPOSAL AREA DISPOSAL AREA DISPOSAL OCCUPANT O	CONTRACT TITLE   CONTRACTOR   Dutra Dredging Company   DATE   11/11/201-		

**GENERAL COMMENTS** 

CONTRACTOR CERTIFICATION	material used a	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									PA	AGE NO.	F	Page 275 of 279	
CONTRACT NO		CONTRACT TI					CONTRACTOR			RE	EPORT NO.		
W91278-14-D CHARACTER O		Maintenance I	Oredging o	of Mobi	ile Harbo	r	Dutra Dredging Comp	any		-	ATE		156
REPORT	T	X MAINTEN	IANCE		NEW V	WORK					11/12/2014		
DRED	GE	HOPF	ER CAP:			4487 CY	AVG VOL OF BIN WATER: 4487 CY		4487 CY	AVG	UNFILLED CAP	):	0 CY
Stuyv	esant	NO. OF CF MEMBER			DREDG 22	iΕ	OTHER PLANT	WORK SCHEDULE		SHIFTS PER DAY		DAYS PER WEEK	
LOCATION		LOCATION CH	IANNEL	REAC	H DREDO	SED; STA	TO STA	DISPOSAL A Open Water					
1101	····	Mobile Harbor		Station	108+00	to 130+00	1,and 2			17,781			1,170,877
		AVG LENGTH	OF CUT			2200 FT	AVG WIDTH OF CUT	AVG WIDTH OF CUT 200 FT A			DIST TO DUMP		42 NM
CHARACT		DENSITY OF M	ATERIALS						1.45	GMS/L	ITER		1.45
MATER	KIAL	DENSITY OF W	ATER						1.0060	GMS/L	ITER@		72 °F
RIVER/		MIN	0.40	TIME		09:24	MAX 1.90	TIME	00:06	GAGE	LOCATION Do	og Riv	/er
STAC	jE	MIN	0.00	TIME		00:00	MAX 0.00	TIME	00:00	GAGE	DATUM MI	LLW	
WEATHER C	ONDITION	WEATHER	ad Na Dal	a.,						WIND 20 MP			
		Weather Cause  DRAFT	sed No Dei	ay			50 °F / 66 °F	10 MI DISTRIBUT			MILES RUN		
	LIGHT		LOADED					AGITATING (MIN)				& N)	MILES RUN (NAUT MI)
FORWARD		17				24	EFFECTIVE WORKING TIME:			,		·/	
AFT		29				29	PUMPING: 0			00:00	01	1:34	0.0
DRAG DEPTH	PRAG DEPTH MAX 0 MIN 0			0			TURNING:			00:00	00	0:00	0.0
							TO DUMP:	MP:			11	1:28	0.0
INDICATORS LA	NDICATORS LAST CHECKED ON 09/13/2014					CONNECTING:			00:00	00	0:00	0.0	
AVERAGE SPE	ED OF DREDGE	DURING	F	T/MIN		0	DUMPING:			00:00	00	0:20	0.0
	ED OF DREDGE	DURING	F	T/MIN		0	DISCONNECTING:			00:00	00	0:00	0.0
AGITATING GALLONS OF F	UEL OIL CONSU	JMED		GAL			то сит:			00:00	10	0:38	0.0
GALLONS OF V	VATER CONSUM	1ED		GAL			TOTALS:			00:00	24	4:00	0.0
						1,500	NON-EFFECTIVE WOR	KING TIME:				<del></del>	
		WORK PERFORI	NED				TAKING ON FUEL AND TO AND FROM WHARF			00:00	-	0:00	0.0
NO.OF LOADS	TOTAL CYS	IND HAULING	AL AREA			L CYS	ANCHORAGE:  LOSS DUE TO NATURA			00:00	00	0:00	0.0
4	17,781		1 & 2			0	ELEMENTS: LOSS DUE TO TRAFFI			00:00	-	0:00	0.0
							BRIDGES			00:00	-	0:00	0.0
							MINOR OPERATING RI			00:00		0:00	0.0
							WORKS			00:00	+	0:00	0.0
		ATTENDANT PL	ANT			_	LAY TIME:	2		00:00	<u> </u>	0:00	0.0
IT	EM	NAME OF	NUMBER	2	H.P.	HOURS	FIRE AND BOAT DRILL MISCELLANEOUS	.5:		00:00	-	0:00	0.0
40' Cre	w Boat	Cape	Anne		400	12:00	TOTALS			00:00	+	0:00	0.0
							LOST TIME:			00.00		5.00	0.0
							MAJOR REPAIRS AND			00:00	0.	0:00	0.0
							ALTERNATIONS CESSATION:			00:00	-	0:00	0.0
							COLLISIONS:			00:00	-	0:00	0.0
							TOTALS:			00:00	-	0:00	0.0
							TOTAL TIME/MILES:			00:00	-	4:00	0.0
						Į	l						

		QUALITY CONTRO	L REPORT-HOPPER	DREDGE		PAGE NO.	Page 276 of 279		
CONTRACT NO	).	CONTRACT TITLE	CONTRACT	OR		REPORT NO	REPORT NO.		
W91278-14-D	-0041 0001	Maintenance Dredging of Mobile Harbor	Maintenance Dredging of Mobile Harbor Dutra Dredging Company						
DREDGE		NAME AND TYPE Stuyvesant							
			LOADS			-			
LOAD NUMBER		DREDGING AREA DISPOSAL AREA	START TIME STOP TIME	PUMPING TURNING	DUI	DUMP MPING CUT	TOTAL TIME DREDGED AMOUNT AGITATED AMOUNT		
			(HH:MM)	(MIN)		MIN)	(MIN/CYS)		
1 Sta 108+00 to 130+0		130+00	00:00	37		224	447		
	Cell 1 & 2		00:37	0		8	5,927		
						178	0		
2	Sta 108+00 to	130+00	07:27	19		223	470		
	Cell 1 & 2		07:46	0		6	5,927		
						222	0		
3	Sta 108+00 to	130+00	15:17	37		241	504		
	Cell 1 & 2		15:54	0		6	5,927		
	00 1 0 2					220	0		
4	Sta 108+00 to	130+00	23:41	1		0	19		
	Cell 1 & 2		23:42	0		0	0		
						18	0		

**GENERAL COMMENTS** 

CONTRACTOR CERTIFICATION	material used a	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								PA	AGE NO.	F	Page 277 of 279		
CONTRACT NO.									RE	PORT NO.			
W91278-14-D-0041 0001 CHARACTER OF			Oredging o	of Mobi	ile Harbo	r	Dutra Dredging Comp	any					157
REPORT X M		X MAINTEN	IANCE		NEW V	WORK					<b>DATE</b> 11/13/2014		
DREDGE		HOPPER CAP: 4487 CY				AVG VOL OF BIN WAT	ER:	4487 CY	AVG I	JNFILLED CAP:	:	0 CY	
Stuyvesant		NO. OF CREW MEMBERS			DREDGE 22		OTHER PLANT	WORK SCHEDULE		SHIFTS PER DAY		DA	YS PER WEEK
LOCATION OF WORK		LOCATION CHANNEL REAC			CH DREDGED; STA		TO STA	DISPOSAL AREA USE Open Water Cell		QTY DEPOSITED GROSS(CY)			JLATIVE AND QTY OSIT FOR DA(CY)
		Mobile Harbor  AVG LENGTH	Station 108+00 to 130+00 2200 FT			AVG WIDTH OF CUT	1,and 2 200 FT A			5,927 AVG DIST TO DUMP		1,176,804 42 NM	
CHARACTER OF MATERIAL		DENSITY OF MATERIALS								GMS/LITER 1.45			
		DENSITY OF WATER								GMS/LITER@ 72 °F			
		MIN 0.40 TIME			. 09:24					GAGE LOCATION Dog River			
RIVER/ STAC		MIN		TIME		00:00			GAGE DATUM MLLW				
WEATHER C	ONDITION	WEATHER 0.00 TIME			00.00		TEMP			WIND			
		Weather Caused No Delay  DRAFT			39 °F / 48 °F	10 MI   28 MPH  DISTRIBUTION OF TIME AND MILES RUN							
							AGITAT				DREDGE 8	<u>.                                    </u>	MILES RUN
FORMARR	LIGHT	47	LOADED				EFFECTIVE WORKING TIME:		)	HAUL (MIN	)	(NAUT MI)	
FORWARD		17			24				00:00	00	0:19	0.0	
AFT 29				29			TURNING:			00:00		0:00	0.0
DRAG DEPTH	MAX 0		MIN 0				TO DUMP:		00:00		1:32	0.0	
INDICATORS LA	AST CHECKED (	ON 09/13/2014			CONNECTING:			00:00		0:00	0.0		
AVERAGE SPE	ED OF DREDCE	DUBING	FT/MIN 0				DUMPING:	MPING:		00:00	00	0:00	0.0
LOADING				FT/MIN		0	DISCONNECTING:	ECTING:		00:00	00	0:00	0.0
AGITATING	ED OF DREDGE		F			0	TO CUT:			00:00	03	3:44	0.0
	UEL OIL CONSU			GAL 2,00		2,000	TOTALS:			00:00	05	5:35	0.0
GALLONS OF V	VATER CONSUM	MED GAL		1,500		NON-EFFECTIVE WORKING TIME:							
WORK PERFORMED			MED				TAKING ON FUEL AND	SUPPLIES		00:00	00	0:00	0.0
	DREDGING A	AND HAULING			AGITATING		TO AND FROM WHARF OR ANCHORAGE:			00:00	00	0:00	0.0
NO.OF LOADS TOTAL CYS 1 5,927		DISPOSAL AREA Cell 1 & 2			TOTAL CYS 0		LOSS DUE TO NATURAL ELEMENTS:			00:00	00	0:00	0.0
0,02.							LOSS DUE TO TRAFFIC AND BRIDGES			00:00	00	0:00	0.0
						MINOR OPERATING REPAIRS			00:00	00	0:00	0.0	
							TRANSFERRING BETWEEN WORKS			00:00	17	7:35	0.0
ATTENDANT PLANT					LAY TIME:			00:00	00	0:00	0.0		
ITEM		NAME OR NUMBER		2	H.P. HOURS		FIRE AND BOAT DRILLS:			00:00	00	0:00	0.0
40' Crew Boat		Cape Anne		•	400	12:00	MISCELLANEOUS			00:00	00	0:50	0.0
Olew Doal		Jape Aille			400	12.00	TOTALS			00:00	18	3:25	0.0
							LOST TIME:						
							MAJOR REPAIRS AND ALTERNATIONS			00:00	00	0:00	0.0
							CESSATION:			00:00	00	0:00	0.0
							COLLISIONS:			00:00	00	0:00	0.0
							TOTALS:			00:00	00	0:00	0.0
							TOTAL TIME/MILES:			00:00	24	4:00	0.0

QUALITY CONTROL REPORT-HOPPER DREDGE							Page 278 of 279
CONTRACT NO.		CONTRACT TITLE	CONTRACTOR			REPORT NO.	1
W91278-14-D-0041 0001		Maintenance Dredging of Mobile Harbor Dutra Dredging Company					157
DREDGE		NAME AND TYPE Stuyvesant				<b>DATE</b> 11/13/2014	
LOADS							
LOAD NUMBER		DREDGING AREA DISPOSAL AREA	START TIME STOP TIME	PUMPING TURNING	DUI	DUMP MPING CUT	TOTAL TIME DREDGED AMOUNT AGITATED AMOUNT
			(HH:MM)	(MIN)	(1)	MIN)	(MIN/CYS)
1	Sta 108+00 to	130+00	00:00	19		92	335
	Cell 1 & 2		00:19	0		0	5,927
						224	0

### **GENERAL COMMENTS**

335 Minutes, 100% Pay 50 Minutes, 70% Pay slow for Crewboat 1055 Minutes, 0% Completed Task Order 0001

material used a		e contractor, I certify that this Report is complete and correct and all equipment and and work performed during this Reporting period are in compliance with the contract cifications, to the best of my knowledge, except as noted above.					
QC REPRESENTATIVE'S SIGNATURE	DATE		SUPERINTENDENT'S INITIALS	DATE			

	QUALITY CONTROL RE	EPORT-HOPPER DREDGE	PAGE NO. Page 279 o			
CONTRACT NO.	CONTRACT TITLE	CONTRACTOR	REPORT NO.	Fage 219 01 219		
W91278-14-D-0041 0001	Maintenance Dredging of Mobile Harbor	Dutra Dredging Company		157		
			•			