			QUA	LITY	CONTR	ORT-HOPPER DREDG	SE .		PA	GE NO.	Page 1 of 95	j	
CQNTRACTING W9127820F0		CONTRACT TI		Pasca	goula Hai	rbor	CONTRACTOR Dutra Dredging Co.			RE	PORT NO.	5	
CHARACTER O	F	X MAINTEN	NANCE		NEW V	VORK					ATE 06/23/2020		
DRED	GE	НОРЕ	PER CAP:			4387 CY	AVG VOL OF BIN WAT	ER:	0 CY	AVG (JNFILLED CAP:	0 (CY
M/V Co	lumbia	NO. OF CF MEMBER			DREDG 15	Ε	OTHER PLANT	WORK SCH	HEDULE	SHIFT	S PER DAY	DAYS PER WEEK	7
LOCATION		LOCATION CF				GED; STA		DISPOSAL A	REA USE	QTY DI GROSS	EPOSITED CL	JMULATIVE AND Q DEPOSIT FOR DA(C 13,1	(TY
		AVG LENGTH	OF CUT			5000 FT	AVG WIDTH OF CUT		0 FT	AVG D	DIST TO DUMP	4 N	1M
CHARAC		DENSITY OF M	ATERIALS						2.60	GMS/LI	TER	2.	60
MATER	RIAL	DENSITY OF W	ATER						1.0060	GMS/LITER@			°F
RIVER/		MIN	-0.30	TIME		22:02	MAX 1.91	TIME	11:30	GAGE I	LOCATION Pas	cagoula Point	
OTA	JL	MIN	0.00	TIME		00:00		TIME			DATUM ML	_W	
WEATHER C	WEATHER CONDITION WEATHER Weather Caused No Delay			ay			TEMP 75 °F / 93 °F	VISIBILITY 10 MI		WIND 15 MPI	Н		
	DRAFT							DISTRIBUT	ION OF TIM	IE AND	MILES RUN		
	LIGHT		LOADED						AGITAT (MIN		DREDGE & HAUL (MIN)	MILES RUN (NAUT MI)	
FORWARD		0 0				EFFECTIVE WORKING	TIME:	·					
AFT		0 0				0	PUMPING:			00:00	05:	33 (0.0
DRAG DEPTH MAX 0 MIN 0						TURNING:			00:00	00:	31 (0.0	
INDICATORS LAST CHECKED ON				TO DUMP:			00:00	03:	31 (0.0			
INDICATORS	431 CHECKED	SIN					CONNECTING:			00:00	00:	00 0	0.0
AVERAGE SPEI LOADING	ED OF DREDGE	DURING	F	T/MIN		0	DUMPING:			00:00	00:	40 0	0.0
AVERAGE SPE	ED OF DREDGE	DURING	F	T/MIN		0	DISCONNECTING:		00:00	00:		0.0	
AGITATING GALLONS OF F	UEL OIL CONSU	JMED		GAL		0	TO CUT:		00:00	04:		0.0	
GALLONS OF W	VATER CONSUM	ИED		GAL		0	TOTALS:		00:00	14:	21 0	0.0	
		WORK PERFORI	/IFD				NON-EFFECTIVE WOR			00.00		00	_
		AND HAULING			ACIT	ATING	TAKING ON FUEL AND TO AND FROM WHARF			00:00	00:		0.0
NO.OF LOADS	TOTAL CYS		AL AREA			L CYS	ANCHORAGE: LOSS DUE TO NATURA			00:00	00:		0.0
6	13,175	ODI	/IDS		(0	ELEMENTS: LOSS DUE TO TRAFFIO	C AND		00:00	00:		0.0
							BRIDGES MINOR OPERATING RI	=DAIRS		00:00	00:		0.0
							TRANSFERRING BETV			00:00	06:		0.0
							WORKS LAY TIME:			00:00	00:		0.0
		ATTENDANT PL	ANT			1	FIRE AND BOAT DRILL	S:		00:00	01:		0.0
IT	EM	NAME OF	R NUMBER	₹	H.P.	HOURS	MISCELLANEOUS			00:00	00:		0.0
							TOTALS			00:00	09:	39 (0.0
							LOST TIME:						_
							MAJOR REPAIRS AND ALTERNATIONS			00:00	00:	00 0	0.0
							CESSATION:			00:00	00:	00 0	0.0
							COLLISIONS:			00:00	00:	00 0	0.0
							TOTALS:			00:00	00:	00 0	0.0
							TOTAL TIME/MILES:			00:00	24:	00 0	0.0

		QUALITY CO	ONTROL REPORT-HOPPER	DREDGE	PAGE NO.	Page 2 of 95
CONTRACTO		CONTRACT TITLE	CONTRACT		REPORT N	
W9127820F0)140	IDIQ Hopper Dredge for Pascago	ula Harbor Dutra Dredgi	ng Co.		1
DREDGE		NAME AND TYPE M/V Columbia			DATE 06/23/202	20
		W/V Columbia	LOADS			<u></u>
					TO DUMP	TOTAL TIME
LOAD NUMBER			START TIME STOP TIME	PUMPING TURNING	TO DUMP DUMPING TO CUT	TOTAL TIME DREDGED AMOUNT AGITATED AMOUNT
			(HH:MM)	(MIN)	(MIN)	(MIN/CYS)
1	350+00-400+00)	06:57	61	46	228
	ODMDS		08:11	13	8	2,635
	0220				100	0
2	350+00-400+00)	11:50	66	45	119
2	ODMDS		12:56	0	8	2,635
	ODIVIDO				0	0
3	350+00-400+00)	13:49	50	41	148
	ODMDS		14:39	0	8	2,635
					49	0
4	350+00-400+00)	17:54	67	41	124
7	ODMDS		19:09	8	8	2,635
	OBINIDO				0	0
5	350+00-400+00)	19:58	64	38	158
-	ODMDS		21:12	10	8	2,635
					38	0
6	350+00-400+00)	22:36	25	0	84
	ODMDS		23:01	0	0	0
					59	0

QC NARRATIVE(S)

GENERAL COMMENTS

Dredge Columbia dug loads 1-5 and deposited in ODS began digging load 6

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 3 of 95
CONTRACTING W9127820F0		CONTRACT TI		Pasca	goula Hai	rbor	CONTRACTOR Dutra Dredging Co.			RE	PORT NO.	2
CHARACTER C		X MAINTEN			NEWV		3 3 -				ATE 06/24/2020	
DRED	GE	HOPF	PER CAP:			4387 CY	AVG VOL OF BIN WAT	ER:	0 CY	AVG l	JNFILLED CAP:	0 C
M/V Co	olumbia	NO. OF CF MEMBER			DREDG 15	E	OTHER PLANT	WORK SCI	HEDULE	SHIFT	TS PER DAY	DAYS PER WEEK
LOCATION		LOCATION CH						DISPOSAL AREA USE		QTY D	EPOSITED CI	JMULATIVE AND QT DEPOSIT FOR DA(C) 34,25
		AVG LENGTH	•			5000 FT	AVG WIDTH OF CUT		0 FT	AVG E	DIST TO DUMP	4 NN
CHARAC		DENSITY OF M	ATERIALS						2.60	GMS/LI	ITER	2.60
MATERIAL DENSITY OF V			ATER						1.0060	GMS/LI	ITER@	0°1
RIVER/ STA		MIN	-0.20	TIME		22:50	MAX 1.82	TIME	12:21 GA		LOCATION Pas	cagoula Point
SIA	GL	MIN	0.00	TIME		00:00		TIME	00:00		DATUM ML	_W
WEATHER C	WEATHER CONDITION WEATHER Weather Caused Non-Critic			itical D	elay		TEMP 73 °F / 87 °F	VISIBILITY 10 MI		WIND 14 MP	Н	
	DRAFT							DISTRIBUT	ION OF TIM	IE AND	MILES RUN	
	LIGHT	LOADED							AGITAT (MIN		DREDGE & HAUL (MIN)	MILES RUN (NAUT MI)
FORWARD		0				0	EFFECTIVE WORKING	TIME:				
AFT		0 (0	PUMPING:			00:00	08	44 0.0
DRAG DEPTH MAX 0 MIN 0						TURNING:			00:00	00	21 0.0	
					TO DUMP:			00:00	05	20 0.0		
INDICATORS LA	AST CHECKED (JN					CONNECTING:			00:00	00	0.0
-	ED OF DREDGE	DURING	F	T/MIN		0	DUMPING:			00:00	01	04 0.0
LOADING AVERAGE SPE	ED OF DREDGE	DURING	F	T/MIN		0	DISCONNECTING:			00:00	00	00 0.0
AGITATING GALLONS OF F	UEL OIL CONSU	JMED		GAL			TO CUT:		00:00	05	22 0.0	
GALLONS OF V	VATER CONSUN	MED		GAL					00:00	20	51 0.0	
						561	NON-EFFECTIVE WOR	RKING TIME:	<u> </u>		1	
		WORK PERFORI	MED				TAKING ON FUEL AND			00:00	00	00 0.0
NO.OF LOADS	TOTAL CYS	ND HAULING	AL AREA			L CYS	TO AND FROM WHARF			00:00	00	00 0.0
9	21,080		MDS			0	LOSS DUE TO NATURA			00:00	02	53 0.0
							LOSS DUE TO TRAFFI BRIDGES	C AND		00:00	00	00 0.0
							MINOR OPERATING RI			00:00	00	00 0.0
							WORKS	VEEN		00:00	00	0.0
		ATTENDANT PL	ANT				LAY TIME:			00:00	00	0.0
IT	EM	NAME OF	R NUMBER	2	H.P.	HOURS	FIRE AND BOAT DRILL	.S:		00:00	00	00 0.0
							MISCELLANEOUS			00:00	00	16 0.0
							TOTALS			00:00	03	0.0
							LOST TIME: MAJOR REPAIRS AND		<u> </u>		T	
							ALTERNATIONS			00:00	00	
							CESSATION:			00:00	00	
							COLLISIONS:			00:00	00	
							TOTALS:			00:00	00	
						TOTAL TIME/MILES:			00:00	24	0.0	

		PAGE NO.	PAGE NO. Page 4 of 95			
CONTRACT NO		CONTRACT TITLE	CONTRACTO	OP.	REPORT N	
CQNTRACT NO W9127820F0		IDIQ Hopper Dredge for Pascagou			KEFOKTIN	2
DDEDGE		NAME AND TYPE			DATE	
DREDGE		M/V Columbia			06/24/202	0
			LOADS			
LOAD NUMBER		DREDGING AREA DISPOSAL AREA	START TIME STOP TIME (HH:MM)	PUMPING TURNING (MIN)	TO DUMP DUMPING TO CUT (MIN)	TOTAL TIME DREDGED AMOUNT AGITATED AMOUNT (MIN/CYS)
1	350+00-400+00)	00:00	45	46	99
'	ODMDS		00:45	0	8	2,635
	ODIVIDS				0	0
2	350+00-400+00		01:39	67	39	174
_	ODMDS		02:46	0	8	2,635
	0220				60	0
3	350+00-400+00)	04:33	75	35	169
3	ODMDS	18		4	8	2,635
	OBINIBO				47	0
4	350+00-400+00)	07:22	63	34	149
	ODMDS		08:29	4	8	2,635
					40	0
5	350+00-400+00)	10:07	60	41	140
Ü	ODMDS		11:10	3	8	2,635
	0220				28	0
6	350+00-400+00)	12:27	61	50	164
	ODMDS		13:28	0	8	2,635
					45	0
7	350+00-400+00)	18:04	60	41	149
	ODMDS		19:09	5	8	2,635
					35	0
8	350+00-400+00)	20:33	69	34	147
	ODMDS		21:47	5	8	2,635
					31	0
9	350+00-400+00)	23:00	24	0	60
	ODMDS		23:24	0	0	0
					36	0

QC NARRATIVE(S)

GENERAL COMMENTS

Dredge Columbia finished load 6, dug loads 7-13 and deposited in ODS began digging load 14.

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 DRE										PA	AGE NO.		Page 5 of 95
CQNTRACTING W9127820F0		CONTRACT TI		Pasca	goula Hai	rbor	CONTRACTOR Dutra Dredging Co.			RE	PORT NO.		3
CHARACTER O	F	X MAINTEN] NEW V		0 0				ATE 06/25/2020		
DRED	GE	HOPF	PER CAP:			4387 CY	AVG VOL OF BIN WAT	ER:	0 CY	AVG I	UNFILLED CAP:		0 CY
M/V Co	lumbia	NO. OF CF MEMBEF			DREDG 15	E	OTHER PLANT	WORK SCH	HEDULE	SHIFT	TS PER DAY	DA	YS PER WEEK
LOCATION		LOCATION CH				GED; STA		DISPOSAL A	REA USE	QTY D GROS	EPOSITED C		LATIVE AND QTY DSIT FOR DA(CY) 57,970
		AVG LENGTH	OF CUT			5000 FT	AVG WIDTH OF CUT		0 FT	AVG [DIST TO DUMP		4 NM
CHARAC*		DENSITY OF M	ATERIALS						2.60	GMS/L	GMS/LITER 2.60		
MATER	RIAL	DENSITY OF W	ATER						1.0060	GMS/L	ITER@		0 °F
RIVER/		MIN	-0.04	TIME		23:19	MAX 1.66	TIME	13:16	GAGE	LOCATION Pa	scag	oula Point
O I A	JL	MIN	0.00	TIME		00:00		TIME			DATUM ML	LW	
WEATHER C	WEATHER CONDITION Weather Caused No Delay			ay			TEMP 76 °F / 91 °F	VISIBILITY 10 MI		WIND 9 MPH	I		
		DRAFT						DISTRIBUT	ION OF TIM	IE AND	MILES RUN		
	LIGHT		LOADED						AGITAT (MIN		DREDGE & HAUL (MIN)		MILES RUN (NAUT MI)
FORWARD		0				0	EFFECTIVE WORKING	TIME:					
AFT		0 0				0	PUMPING:			00:00	09	:33	0.0
DRAG DEPTH MAX 0 MIN 0						TURNING:			00:00	00	:09	0.0	
INDICATORS LAST CHECKED ON					TO DUMP:			00:00	05	:48	0.0		
INDIO/ (TOTO E/	OT OFFICINED	511					CONNECTING:			00:00	00	:00	0.0
AVERAGE SPEI	ED OF DREDGE	DURING	F	T/MIN		0	DUMPING:			00:00	01	:19	0.0
	ED OF DREDGE	DURING	F	T/MIN		0	DISCONNECTING:		00:00		:00	0.0	
	UEL OIL CONSU	JMED		GAL		2,079	TO CUT:		00:00		5:29	0.0	
GALLONS OF W	VATER CONSUM	1ED		GAL		561			00:00	22	1:18	0.0	
	,	WORK PERFORI	MED.				NON-EFFECTIVE WOR			00:00		:21	0.0
		ND HAULING			AGITA	ATING	TO AND FROM WHARF			00:00		:00	0.0
NO.OF LOADS	TOTAL CYS		AL AREA			L CYS	ANCHORAGE: LOSS DUE TO NATURA	AL.		00:00		:00	0.0
10	23,715	ODN	MDS		(0	ELEMENTS: LOSS DUE TO TRAFFIO	C AND		00:00		:00	0.0
							BRIDGES MINOR OPERATING RI	=PAIRS		00:00		:00	0.0
							TRANSFERRING BETV			00:00		:00	0.0
							WORKS LAY TIME:			00:00		:00	0.0
		ATTENDANT PL	ANT			1	FIRE AND BOAT DRILL	S:		00:00		:00	0.0
IT	EM	NAME OF	RNUMBER	₹	H.P.	HOURS	MISCELLANEOUS			00:00		:21	0.0
							TOTALS			00:00	01	:42	0.0
							LOST TIME:				1		
							MAJOR REPAIRS AND ALTERNATIONS			00:00	00	:00	0.0
							CESSATION:			00:00	00	:00	0.0
							COLLISIONS:			00:00	00	:00	0.0
							TOTALS:			00:00	00	:00	0.0
							TOTAL TIME/MILES:			00:00	24	:00	0.0

NTRASI NO	<u> </u>	CONTRACT TITLE	CONTRACTO	nr	REPORT N	Page 6 of 9		
N9127820D0 N9127820F0		IDIQ Hopper Dredge for Pascagoul			The second			
DREDGE		NAME AND TYPE		DATE	DATE 06/25/2020			
		M/V Columbia	LOADS		06/25/20	20		
	1				TO DUMP	TOTAL TIME		
LOAD NUMBER		DREDGING AREA DISPOSAL AREA	START TIME STOP TIME (HH:MM)	PUMPING TURNING (MIN)	DUMPING TO CUT (MIN)	DREDGED AMOUN AGITATED AMOUN (MIN/CYS)		
1	350+00-400+00	0	00:00	46	41	95		
	ODMDS		00:46	0	8 0	2,635 0		
2	350+00-400+00)	01:35	66	41	164		
2	ODMDS		02:41	0	8 49	2,635 0		
3	350+00-400+00)	04:19	64	40	159		
3	ODMDS		05:23	0	8 47	2,635 0		
4	350+00-400+00	0	06:58	62	39	139		
4	ODMDS		08:00	0	8 30	2,635 0		
	350+00-400+00	<u> </u>	10:38	72	43	153		
5	ODMDS		11:50	0	8 30	2,635		
6	350+00-400+00)	13:32	66	47	159		
Ü	ODMDS		14:38	0	8 38	2,635 0		
7	350+00-400+00)	16:11	65	34	159		
,	ODMDS		17:22	6	8 46	2,635 0		
8	350+00-400+00	0	18:50	64	34	147		
J	ODMDS		19:57	3	15 31	2,635 0		
9	350+00-400+00)	21:17	68	29	134		
3	ODMDS		22:25	0	8 29	2,635 0		
10	350+00-400+00	0	23:31	0	0	29		
10	ODMDS		23:31	0	0 29	0		
NADDATI	IVE(S) COMMENTS				L			

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.

DATE

SUPERINTENDENT'S INITIALS

DATE

CONTRACTOR CERTIFICATION

QC REPRESENTATIVE'S SIGNATURE

QUALITY CONTROL REPORT-HOP								SE .		PA	AGE NO.		Page 7 of 95
CQNTRACTING W9127820F0		CONTRACT TI		Pasca	goula Hai	rbor	CONTRACTOR Dutra Dredging Co.			RE	EPORT NO.		4
CHARACTER O	F	X MAINTEN			NEWV		0 0				ATE 06/26/2020		
DRED	GE	HOPF	PER CAP:			4387 CY	AVG VOL OF BIN WAT	ER:	0 CY	AVG I	UNFILLED CAP:		0 CY
M/V Co	lumbia	NO. OF CF MEMBEF			DREDG 15	E	OTHER PLANT	WORK SCH	HEDULE	SHIFT	TS PER DAY	DAYS	S PER WEEK
LOCATION		LOCATION CH				GED; STA		DISPOSAL A	REA USE	QTY D GROS	EPOSITED C		ATIVE AND QTY SIT FOR DA(CY) 81,685
		AVG LENGTH	OF CUT			5000 FT	AVG WIDTH OF CUT						4 NM
CHARAC*		DENSITY OF M	ATERIALS						2.60	GMS/L	ITER		2.60
MATER	RIAL	DENSITY OF W	ATER						1.0060	GMS/L	ITER@		0 °F
RIVER/		MIN	0.18	TIME		23:35	MAX 1.42	TIME	14:04	GAGE	LOCATION Pas	scagou	la Point
SIA	JE	MIN	0.00	TIME		00:00		TIME		00:00 GAGE DATUM MLLW WIND 9 MPH OF TIME AND MILES RUN AGITATING DREDGE &			
WEATHER C	WEATHER CONDITION Weather Caused No Delay			ay			TEMP 76 °F / 90 °F	VISIBILITY 10 MI			I		
		DRAFT						DISTRIBUT	ION OF TIM	IE AND	MILES RUN		
	LIGHT		LOADED						AGITAT (MIN		DREDGE & HAUL (MIN)		MILES RUN (NAUT MI)
FORWARD		0				0	EFFECTIVE WORKING	TIME:					
AFT		0 0				0	PUMPING:			00:00	10	:38	0.0
DRAG DEPTH MAX 0 MIN 0						TURNING:			00:00	00	:34	0.0	
INDICATORS LAST CHECKED ON					TO DUMP:			00:00	05	:13	0.0		
INDIO/ (TOTO E/	OT OFFICINED	311					CONNECTING:			00:00	00	:00	0.0
AVERAGE SPEI	ED OF DREDGE	DURING	F	T/MIN		0	DUMPING:			00:00	01:	:17	0.0
	ED OF DREDGE	DURING	F	T/MIN		0	DISCONNECTING:		00:00		:00	0.0	
	UEL OIL CONSU	JMED		GAL		1,908	TO CUT:		00:00		:35	0.0	
GALLONS OF W	VATER CONSUM	MED		GAL		561			00:00	23	:17	0.0	
	,	WORK PERFORI	l MED				NON-EFFECTIVE WOR			00:00	T 00	.00	0.0
		AND HAULING			AGIT	ATING	TAKING ON FUEL AND TO AND FROM WHARF			00:00		:00	0.0
NO.OF LOADS	TOTAL CYS		AL AREA			L CYS	ANCHORAGE: LOSS DUE TO NATURA	AL		00:00		:00	0.0
10	23,715	ODN	MDS		(0	ELEMENTS: LOSS DUE TO TRAFFIO	C AND		00:00		:00	0.0
							BRIDGES MINOR OPERATING RI	=PAIRS		00:00		:00	0.0
							TRANSFERRING BETV			00:00		:00	0.0
							WORKS LAY TIME:			00:00		:00	0.0
		ATTENDANT PL	ANT		_	1	FIRE AND BOAT DRILL	S:		00:00		:00	0.0
IT	EM	NAME OF	R NUMBER	₹	H.P.	HOURS	MISCELLANEOUS			00:00		:43	0.0
							TOTALS			00:00	00	:43	0.0
							LOST TIME:						
							MAJOR REPAIRS AND ALTERNATIONS			00:00	00	:00	0.0
							CESSATION:			00:00	00	:00	0.0
				·			COLLISIONS:			00:00	00	:00	0.0
							TOTALS:			00:00	00	:00	0.0
							TOTAL TIME/MILES:			00:00	24	:00	0.0

		CONTRACT TITLE	CONTRACTO		REPORT N	REPORT NO.		
		NAME AND TYPE			DATE			
DREDGE		M/V Columbia			06/26/2020			
	1		LOADS		Г			
LOAD NUMBER		DREDGING AREA DISPOSAL AREA	START TIME STOP TIME	PUMPING TURNING	TO DUMP DUMPING TO CUT	TOTAL TIME DREDGED AMOUNT AGITATED AMOUNT		
	350+00-400+00)	(HH:MM) 00:00	(MIN) 67	(MIN) 40	(MIN/CYS) 148		
1	ODMDS		01:07	0	8 33	2,635		
	350+00-400+00)	02:28	70	42	164		
2	ODMDS		03:38	0	8 44	2,635		
	350+00-400+00	1	05:12	66	32	143		
3	3 350+00-400+00 ODMDS 4 350+00-400+00		06:18	0	8	2,635		
	ODMDS		00.10	-	37	0		
4	350+00-400+00)	07:35	68	33	143		
	2 350+00-400+00 ODMDS 3 350+00-400+00 ODMDS 4 350+00-400+00 ODMDS 5 350+00-400+00 ODMDS 6 350+00-400+00 ODMDS 7 350+00-400+00 ODMDS	08:49	6	8	2,635			
					28	0		
5	IDIQ Hopper Dredge for Pascagou NAME AND TYPE M/V Columbia NAME AND TYPE NAME	09:58	73	36	159			
	ODMDS		11:21	10	6 34	2,635 0		
	350+00 400+00	<u> </u>	12.20	62				
6	ODMDS 6 350+00-400+00 ODMDS	13:20 14:33	63 10	38 8	156 2,635			
	ODMDS		14.55	10	37	0		
7	350+00-400+00)	15:56	64	31	155		
,	ODMDS		17:08	8	15 37	2,635 0		
8	350+00-400+00)	18:31	66	31	134		
O	ODMDS		19:37	0	8	2,635		
					29	0		
9	350+00-400+00)	20:45	60	30	125		
	ODMDS		21:45	0	8 27	2,635 0		
10	350+00-400+00)	22:50	41	0	70		
	ODMDS		23:31	0	0 29	0		
			"					
Dreage C	olumbia finisned	d load 23, dug loads 24-31 and de	eposited in ODMDS began dig	gging load 32.				

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					

	ORT-HOPPER DREDG	SE .		PA	AGE NO.	Page 9 of 95							
CQNTRACT NO W9127820F0		CONTRACT TI		Pasca	goula Hai	rbor	CONTRACTOR Dutra Dredging Co.			RE	EPORT NO.	5	
CHARACTER O	F	X MAINTEN	NANCE		NEW V	VORK					ATE 06/27/2020		
DRED	GE	HOPE	ER CAP:			4387 CY	AVG VOL OF BIN WAT	ER:	0 CY	AVG l	JNFILLED CAP:	0 C	Ϋ́
M/V Co	lumbia	NO. OF CF MEMBEF			DREDG 15	E	OTHER PLANT	WORK SCH	HEDULE	SHIFTS PER DAY DAYS PER WEEK 2 7			7
LOCATION		LOCATION CH	.	EL REACH 350+00 -		GED; STA		DISPOSAL A	REA USE	QTY D	EPOSITED CI	JMULATIVE AND QT DEPOSIT FOR DA(C 105,40	TY (Y)
		AVG LENGTH	•			5000 FT	AVG WIDTH OF CUT	20,1.10					М
CHARAC*		DENSITY OF M	ATERIALS						2.60	GMS/L	ITER	2.6	30
MATER	RIAL	DENSITY OF W	ATER						1.0060	GMS/LI	ITER@	0 °	,Ł
RIVER/		MIN	0.42	TIME		11:48	MAX 1.10	1.10 TIME 14:34 GAGE		GAGE	LOCATION Pas	scagoula Point	
5140	3E	MIN	0.00	TIME		00:00		TIME			DATUM ML	LW	
WEATHER C	WEATHER CONDITION Weather Caused No Delay			av			TEMP 75 °F / 91 °F	VISIBILITY 10 MI		WIND 8 MPH	1		
		DRAFT						DISTRIBUT	ION OF TIM	IE AND	MILES RUN		
	LIGHT		LOADED						AGITAT (MIN		DREDGE & HAUL (MIN)	MILES RUN (NAUT MI)	
FORWARD		0 0				EFFECTIVE WORKING	TIME:						
AFT		0 0				0	PUMPING:			00:00	10	45 0	.0
DRAG DEPTH MAX 0 MIN 0						TURNING:			00:00	00	36 0	.0	
INDICATORS LAST CHECKED ON					TO DUMP:			00:00	05	14 0	.0		
INDIO/ (TOTO E/	OT OFFICINED	511					CONNECTING:			00:00	00	00 0	.0
AVERAGE SPEI	ED OF DREDGE	DURING	F	T/MIN		0	DUMPING:			00:00	01	.12 0	.0
	ED OF DREDGE	DURING	F	T/MIN		0	DISCONNECTING:		00:00			.0	
	UEL OIL CONSU	JMED		GAL		2,110	TO CUT: TOTALS:		00:00			.0	
GALLONS OF W	VATER CONSUM	1ED		GAL		748		·		00:00	22	42 0	.0
	,	WORK PERFORI	MED.				NON-EFFECTIVE WOR			00:00	00	.00	.0
		ND HAULING			AGITA	ATING	TO AND FROM WHARF			00:00			1.0
NO.OF LOADS	TOTAL CYS		AL AREA			L CYS	ANCHORAGE: LOSS DUE TO NATURA	AL.		00:00			1.0
10	23,715	ODN	MDS		()	ELEMENTS: LOSS DUE TO TRAFFIO	C AND		00:00			.0
							BRIDGES MINOR OPERATING RI	=PAIRS		00:00			.0
							TRANSFERRING BETV			00:00			.0
							WORKS LAY TIME:			00:00			.0
		ATTENDANT PL	ANT				FIRE AND BOAT DRILL	S:		00:00	00	:00 0	.0
IT	EM	NAME OF	R NUMBER	R	H.P.	HOURS	MISCELLANEOUS			00:00	00	:55 0	.0
							TOTALS			00:00	01	:18 0	.0
							LOST TIME:		<u> </u>		<u> </u>	1	_
							MAJOR REPAIRS AND ALTERNATIONS			00:00	00	00 0	.0
							CESSATION:			00:00	00	00 0	.0
							COLLISIONS:			00:00	00	00 0	.0
							TOTALS:			00:00	00	00 0	.0
							TOTAL TIME/MILES:			00:00	24	00 0	.0

CONTRACT ITLE IDIA hope-bradge for Pascagoula Harbor Dura Dredging Co. DATE IDIA hope-bradge for Pascagoula Harbor Dura Dredging Co. DATE IDIA hope-bradge for Pascagoula Harbor Dura Dredging Co. DATE IDIA hope-bradge for Pascagoula Harbor Dura Dredging Co. DATE IDIA hope-bradge for Pascagoula Harbor Dura Dredging Co. DATE IDIA hope-bradge for Pascagoula Harbor Dura Dredging Co. DATE IDIA hope-bradge for Pascagoula Harbor Dura Dredging Co. DATE IDIA hope-bradge for Pascagoula Harbor Date Da	IDIQ Hopper Dredge for Pascagoula Harbor Dutra Dredging Co. DATE OBJECT OB			QUALITY CO	NTROL REPORT-HOPPER	DREDGE	PAGE NO.	Page 10 of 9
DREDGE NAME AND TYPE NAM	M9127820P0149 IDIQ Hopper Dradge for Pascagoula Harbor Dutra Dredging Co. DATE O8/27/2020	QNTRACT.N	Ω	CONTRACT TITLE	CONTRACT	OR	REPORT N	
Note	COAD			IDIQ Hopper Dredge for Pascagou	ıla Harbor Dutra Dredgi	ng Co.		
LOADS DREDGING AREA DISPOSAL AREA START TIME STOP TIME TURNING TURNING DIMPING DIMPING DISPOSAL AREA STOP TIME TURNING DIMPING D	MIV Columbia LOADS	DREDGE						
LOAD NUMBER DREDGING AREA DISPOSAL AREA START TIME TURNING TO DUMP DREDGED AND TO DUMP DIMPING TO DUMP DREDGED AND TO DUMP TO DUMP DREDGED AND TO DUMP DREDGED AND TO DUMP DREDGED AND TO DUMP TO DUMP DREDGED AND TO DUMP DREDGED AND TO DUMP TO	LOAD NUMBER DREDGING AREA DISPOSAL AREA START TIME STOP TIME TURNING TO DUMPING TO QUIT (MIN)			M/V Columbia	10470		06/27/20	20
NUMBER DISPOSAL AREA STOP TIME (HH-MM) TURNING (MIN) DUMPING TOCUT (MIN) DREDGED AMOL AGITATED AMOL (MINCYS) 1 350+00-400+00 00:00 51 36 95 0DMDS 00:51 0 8 2.635 2 350+00-400+00 01:35 71 41 155 ODMDS 02:46 0 8 2.635 3 350+00-400+00 04:10 67 31 153 ODMDS 05:25 8 8 2.635 4 350+00-400+00 06:43 64 31 137 5 350+00-400+00 09:00 62 36 139 0DMDS 07:54 7 8 2.635 0DMDS 10:06 4 8 2.635 0DMDS 11:59 69 38 153 0DMDS 13:13 5 8 2.635 0 350+00-400+00 14:32 66 37 149	NUMBER DISPOSAL AREA STOP TIME TURNING TO CUT (MIN) 1 350+00-400+00 000 51 36 36 00.51 0 8 00.51 0 8 00.51 0 8 00.51 0 8 00.51 0 8 0 00.51 0 0 8 00.51 0 0 8 00.51 0 0 8 00.51 0 0 8 00.51 0 0 8 00.51 0 0 8 0 00.51 0 0 8 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0				LOADS			
1 350+00-400+00	1 350+00-400+00 00.00 00.51 0 0 8 0 0 0 0 0 0 0 0 0 0 8 0 0 0 0 0				STOP TIME	TURNING	DUMPING TO CUT	DREDGED AMOUNT AGITATED AMOUNT
ODMDS	ODMDS OD		350+00-400+0		(HH:MM)			
2 350+00-400+00	2 350+00-400+00	1		J				
ODMDS 02:46 0 8 2,635 3 350+00-400+00 04:10 67 31 153 ODMDS 05:25 8 8 8 2,635 39 0 4 350+00-400+00 06:43 64 31 137 0DMDS 07:54 7 8 2,635 27 0 0 4 8 2,635 0DMDS 10:06 4 8 2,635 0DMDS 11:59 69 38 153 0DMDS 13:13 5 8 2,635 0DMDS 15:38 0 8 2,635 0DMDS 15:38 0 8 2,635 8 350+00-400+00 17:24 63 32 140 0DMDS 18:31 4 8 2,635 38 0 33 0 0 8 350+00-400+00 17:24 63 32 <td>ODMDS ODMDS OD</td> <td></td> <td>ODMDS</td> <td></td> <td>00.51</td> <td>Ů</td> <td></td> <td></td>	ODMDS OD		ODMDS		00.51	Ů		
ODMDS 02:46 0 8 2,635 3 350+00-400+00 04:10 67 31 153 ODMDS 05:25 8 8 8 2,635 39 0 0 64 31 137 0DMDS 07:54 7 8 2,635 27 0 0 62 36 139 0DMDS 10:06 4 8 2,635 0DMDS 10:06 4 8 2,635 0DMDS 11:59 69 38 153 0DMDS 13:13 5 8 2,635 0DMDS 15:38 0 8 2,635 0DMDS 15:38 0 8 2,635 38 0 0 8 2,635 38 0 0 8 2,635 38 0 8 2,635 38 0 8 2,635 38<	ODMDS OD	2	350+00-400+00)	01:35	71	41	155
350+00-400+00	35	2						
ODMDS 05:25 8 8 2,635 4 350+00-400+00 06:43 64 31 137 ODMDS 07:54 7 8 2,635 27 0 227 0 5 350+00-400+00 09:00 62 36 139 ODMDS 10:06 4 8 2,635 29 0 0 29 0 6 350+00-400+00 11:59 69 38 153 ODMDS 13:13 5 8 2,635 33 0 8 2,635 38 0 8 2,635 38 0 8 2,635 38 0 8 2,635 38 0 8 2,635 38 0 8 2,635 38 0 8 2,635 38 0 8 2,635 33 0 33	ODMDS		ODIVIDO				35	0
ODMDS 05:25 8 8 8 2,635 39 0 4 350+00-400+00 06:43 64 31 137 ODMDS 07:54 7 8 2,635 27 0 5 350+00-400+00 09:00 62 36 139 ODMDS 10:06 4 8 2,635 29 0 0 29 0 6 350+00-400+00 11:59 69 38 153 ODMDS 13:13 5 8 2,635 33 0 8 2,635 33 0 8 2,635 33 0 8 2,635 33 0 8 2,635 38 0 8 2,635 38 0 8 2,635 38 0 8 2,635 38 0 3 33 0	ODMDS OD	3	350+00-400+00)	04:10	67	31	153
Section	4 350+00-400+00 06.43 64 31 7 8 277 5 350+00-400+00 09:00 62 36 29 6 350+00-400+00 11:59 69 38 00MDS 13:13 5 8 33 30 00MDS 15:38 0 8 350+00-400+00 15:38 0 8 38 00MDS 15:38 0 8 36 00MDS 15:38 0 8 36 00MDS 15:38 0 8 38 00MDS 15:38 0 8 38 00MDS 15:38 0 8 36 00MDS 15:38 0 8 36 00MDS 15:38 0 8 36 00MDS 15:38 0 0 0 8 36 00MDS 15:38 0 0 00MDS 15:38 0 00MDS 15:38 0 00MDS 15:38 0 0 00MDS 15:38 0 0 00MDS 15:38 0 00M	5	ODMDS		05:25	8	8	2,635
ODMDS OD	ODMDS ODMDS OT:54 7 8 27 5 350+00-400+00 ODMDS 10:06 4 8 29 6 350+00-400+00 ODMDS 11:59 69 38 ODMDS 7 350+00-400+00 13:13 5 8 00 ODMDS 14:32 66 37 ODMDS 15:38 0 0 8 350+00-400+00 0DMDS 17:24 63 38 8 350+00-400+00 0DMDS 18:31 4 8 33 9 350+00-400+00 19:44 63 33 9 350+00-400+00 19:44 63 30 ODMDS 20:50 3 8 8 C NARRATIVE(S) GENERAL COMMENTS		OBINIDO				39	0
SOMES 27 0 0 0 0 0 0 0 0 0	SOMES 27	4	350+00-400+00)	06:43	64	31	137
5 350+00-400+00 ODMDS 09:00 62 36 36 29 139 2,635 29 6 350+00-400+00 ODMDS 11:59 69 38 153 33 0 7 350+00-400+00 ODMDS 14:32 66 37 149 38 2,635 38 0 8 350+00-400+00 ODMDS 15:38 0 8 2,635 38 0 8 350+00-400+00 ODMDS 17:24 63 32 140 8 2,635 33 0 9 350+00-400+00 ODMDS 18:31 4 8 2,635 33 0 0 9 350+00-400+00 ODMDS 19:44 63 30 30 136 2,635 32 0 10 350+00-400+00 ODMDS 20:50 3 8 2,635 0 10 350+00-400+00 ODMDS 22:15 69 2 105 0 10 350+00-400+00 ODMDS 23:29 5 0 0	5 350+00-400+00 ODMDS 09:00		ODMDS		07:54	7		2,635
ODMDS 10:06 4 8 2,635 6 350+00-400+00 11:59 69 38 153 ODMDS 13:13 5 8 2,635 7 350+00-400+00 14:32 66 37 149 ODMDS 15:38 0 8 2,635 8 350+00-400+00 17:24 63 32 140 ODMDS 18:31 4 8 2,635 9 350+00-400+00 19:44 63 30 136 ODMDS 20:50 3 8 2,635 10 350+00-400+00 22:15 69 2 105 ODMDS 23:29 5 0 0	ODMDS 10:06 4 8 29 6 350+00-400+00 0DMDS 11:59 69 38 0DMDS 13:13 5 8 33 7 350+00-400+00 0DMDS 14:32 66 37 0DMDS 15:38 0 8 350+00-400+00 0DMDS 17:24 63 33 9 350+00-400+00 18:31 4 8 0DMDS 19:44 63 33 9 0DMDS 10 350+00-400+00 0DMDS 20:50 3 8 8 0 0DMDS 20:50 3 0DMDS 20:50 3 0DMDS 20:50 0DMDS						27	0
6 350+00-400+00 11:59 69 38 153 ODMDS 13:13 5 8 2,635 33 0 0	6 350+00-400+00 11:59 69 38 33 33 7 350+00-400+00 14:32 66 37 00MDS 15:38 0 8 38 8 00 8 8 38 8 00 8 8 38 00 8 8 38 00 8 8 38 00 8 8 38 00 8 8 38 00 8 8 38 00 8 8 38 00 8 8 38 00 8 8 38 00 8 8 38 00 8 8 38 00 8 8 38 00 8 8 38 00 8 8 38 00 8 8 00 8 8 38 00 8 8 38 00 8 8 00 8 8 8 00 8 8 8 00 8 8 8 00 8 8 8 00 8 8 8 00 8 8 00 8 8 00 8 8 00 8 8 00 8 8 00 8 8 00 8 8 00 8 8 00 8 8 00 8 8 00 8 8 00 8 8 00 8 8 00 8 8 00 8 8 00 8 8 00 8 8 00 8 8 00 8 0	5	350+00-400+00)	09:00	62	36	139
6 350+00-400+00	6 350+00-400+00 11:59 69 38 38 33 33 33 33 34 35 400-400+00 14:32 66 37 00MDS 15:38 0 8 38 38 38 38 38 38 38 38 38 38 38 38 3		ODMDS		10:06	4	8	2,635
ODMDS 13:13 5 8 2,635 7 350+00-400+00 14:32 66 37 149 ODMDS 15:38 0 8 2,635 8 350+00-400+00 17:24 63 32 140 ODMDS 18:31 4 8 2,635 9 350+00-400+00 19:44 63 30 136 ODMDS 20:50 3 8 2,635 10 350+00-400+00 22:15 69 2 105 ODMDS 23:29 5 0 0	ODMDS 13:13 5 8 33 7 350+00-400+00 ODMDS 14:32 66 37 ODMDS 15:38 0 8 38 8 350+00-400+00 ODMDS 17:24 63 33 9 350+00-400+00 19:44 63 33 9 ODMDS 19:44 63 30 ODMDS 19:44 63 32 10 ODMDS 20:50 3 8 32 10 ODMDS 22:15 69 2 ODMDS C NARRATIVE(S) GENERAL COMMENTS						29	0
7 350+00-400+00 14:32 66 37 149 ODMDS 15:38 0 8 2,635 8 350+00-400+00 17:24 63 32 140 ODMDS 18:31 4 8 2,635 9 350+00-400+00 19:44 63 30 136 ODMDS 20:50 3 8 2,635 10 350+00-400+00 22:15 69 2 105 ODMDS 23:29 5 0 0	7 350+00-400+00 14:32 66 37 ODMDS 15:38 0 8 38 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8	6	350+00-400+00)	11:59		38	153
7 350+00-400+00 14:32 66 37 149 ODMDS 15:38 0 8 2,635 8 350+00-400+00 17:24 63 32 140 ODMDS 18:31 4 8 2,635 33 0 0 9 350+00-400+00 19:44 63 30 136 ODMDS 20:50 3 8 2,635 32 0 140 ODMDS 10 10 10 10 10 10 10 10 10 10 10 10 10	7 350+00-400+00 14:32 66 37 8 8 38 8 8 350+00-400+00 17:24 63 32 9 350+00-400+00 19:44 63 33 8 8 9 ODMDS 19:44 63 30 ODMDS 20:50 3 8 8 32 10 ODMDS 22:15 69 2 2 ODMDS 23:29 5 0 ODMDS 20:DMDS 23:29 5 0 ODMDS 20:DMDS		ODMDS		13:13	5		·
ODMDS 15:38 0 8 350+00-400+00 ODMDS 17:24 63 32 140 ODMDS 18:31 4 8 2,635 33 0 9 350+00-400+00 ODMDS 19:44 63 ODMDS 20:50 3 8 2,635 30 136 ODMDS 10 350+00-400+00 ODMDS 22:15 ODMDS 23:29 5 0 0 0 0 0 0 0 0 0 0 0 0	ODMDS 15:38 0 8 350+00-400+00 17:24 63 32 0DMDS 18:31 4 8 33 9 350+00-400+00 0DMDS 19:44 63 30 0DMDS 20:50 3 8 32 10 350+00-400+00 0DMDS 22:15 69 2 0DMDS C NARRATIVE(S) GENERAL COMMENTS						33	0
8 350+00-400+00 17:24 63 32 140 ODMDS 18:31 4 8 2,635 33 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	8 350+00-400+00 17:24 63 32 ODMDS 18:31 4 8 33 33 9 350+00-400+00 19:44 63 30 ODMDS 20:50 3 8 32 32 32 32 32 32 32 32 32 32 32 32 32	7	350+00-400+00)	14:32		37	
8 350+00-400+00 17:24 63 32 140 ODMDS 18:31 4 8 2,635 9 350+00-400+00 19:44 63 30 136 ODMDS 20:50 3 8 2,635 32 0 10 350+00-400+00 22:15 69 2 105 ODMDS 23:29 5 0 0 29 0	8 350+00-400+00 17:24 63 32		ODMDS		15:38	0		
ODMDS 18:31 4 8 2,635 33 0 9 350+00-400+00 ODMDS 19:44 63 30 136 20:50 3 8 2,635 32 0 10 350+00-400+00 ODMDS 22:15 69 2 105 ODMDS ODMDS 5 0 0 0 0 0 0 0 0 0 0 0 0	ODMDS 18:31 4 8 33 9 350+00-400+00 ODMDS 19:44 63 30 20:50 3 8 32 10 350+00-400+00 ODMDS 22:15 69 2 ODMDS 23:29 5 0 C NARRATIVE(S) GENERAL COMMENTS		050.00.400.0		47.04	00		
9 350+00-400+00 19:44 63 30 136 ODMDS 20:50 3 8 2,635 32 0 10 10 ODMDS 22:15 69 2 105 ODMDS 23:29 5 0 29 0	9 350+00-400+00 19:44 63 30 ODMDS 20:50 3 8 32 10 ODMDS 22:15 69 2 ODMDS 23:29 5 0 ODMDS 29 C NARRATIVE(S) GENERAL COMMENTS	8		J				
9 350+00-400+00 19:44 63 30 136 ODMDS 20:50 3 8 2,635 32 0 10	9 350+00-400+00 19:44 63 30 8 32 10 10 350+00-400+00 22:15 69 2 00MDS 23:29 5 0 0 29 C NARRATIVE(S) GENERAL COMMENTS		ODMDS		10.31	4		
ODMDS 20:50 3 8 2,635 32 0 10 350+00-400+00 ODMDS 22:15 69 2 105 ODMDS 5 0 0 0 20:50 30 20:50 30 20:50 30 20:50 30 20:50 30 20:50 30 20:50 30 30 00 00 00 00 00 00 00	ODMDS 20:50 3 8 32 10 350+00-400+00 ODMDS 22:15 69 2 00MDS 5 0 29 C NARRATIVE(S) GENERAL COMMENTS		350+00 400+0		10.44	63		
32 0 10 350+00-400+00 22:15 69 2 105 ODMDS 23:29 5 0 0 29 0	32 10 350+00-400+00 22:15 69 2 ODMDS 23:29 5 0 29 C NARRATIVE(S) GENERAL COMMENTS	9		,				
ODMDS 23:29 5 0 0 0 29 0	ODMDS 23:29 5 0 29 C NARRATIVE(S) GENERAL COMMENTS		ODMDS		20.30	Ŭ		
ODMDS 23:29 5 0 0 0 29 0	ODMDS 23:29 5 0 29 C NARRATIVE(S) GENERAL COMMENTS	10	350+00-400+00)	22:15	69	2	105
29 0	C NARRATIVE(S) GENERAL COMMENTS	10			23:29	5	0	
? NADDATIVE(S)	GENERAL COMMENTS		OBINIBO				29	0
		Dredge C	Columbia finishe	d load 32, dug loads 33-40 and de	eposited in ODMDS began di	gging load 41.		
Dredge Columbia finished load 32, dug loads 33-40 and deposited in ODMDS began digging load 41.								
Dredge Columbia finished load 32, dug loads 33-40 and deposited in ODMDS began digging load 41.								
Dredge Columbia finished load 32, dug loads 33-40 and deposited in ODMDS began digging load 41.								
Dredge Columbia finished load 32, dug loads 33-40 and deposited in ODMDS began digging load 41.								
Dredge Columbia finished load 32, dug loads 33-40 and deposited in ODMDS began digging load 41.								
Dredge Columbia finished load 32, dug loads 33-40 and deposited in ODMDS began digging load 41.								
Dredge Columbia finished load 32, dug loads 33-40 and deposited in ODMDS began digging load 41.								

CONTRACTOR CERTIFICATION	material used a	and work performed during t	is Report is complete and correct ar 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 DREDG	SE .		PA	AGE NO.	Page 11 of 95
CQNTRACT NO W9127820F0		CONTRACT TI		Pasca	goula Hai	rbor	CONTRACTOR Dutra Dredging Co.			RE	EPORT NO.	6
CHARACTER O	F	X MAINTEN	NANCE		NEW V	VORK					ATE 06/28/2020	
DRED	GE	HOPE	PER CAP:			4387 CY	AVG VOL OF BIN WAT	ER:	0 CY	AVG I	UNFILLED CAP:	0 CY
M/V Co	lumbia	NO. OF CF MEMBEF			DREDG 15	Ε	OTHER PLANT	WORK SCH	HEDULE	SHIFT	TS PER DAY	DAYS PER WEEK
LOCATION		LOCATION CH				GED; STA		DISPOSAL A	REA USE	QTY D GROS	EPOSITED CU	MULATIVE AND QTY EPOSIT FOR DA(CY) 129,115
		AVG LENGTH	OF CUT			5000 FT	AVG WIDTH OF CUT		0 FT	AVG [DIST TO DUMP	4 NM
CHARAC*		DENSITY OF M.	ATERIALS						2.60	GMS/L	ITER	2.60
MATER	RIAL	DENSITY OF W	ATER						1.0060	GMS/L	ITER@	0 °F
RIVER/		MIN	0.63	TIME		23:48	MAX 0.97	TIME	08:17	GAGE	LOCATION Pas	cagoula Point
SIA	3E	MIN	0.00	TIME		00:00		TIME			DATUM MLL	W
WEATHER C	ONDITION	WEATHER Weather Caus	sed No Del	ау			TEMP 75 °F / 93 °F	VISIBILITY 10 MI		WIND 9 MPH	I	
		DRAFT						DISTRIBUT	ION OF TIM	IE AND	MILES RUN	
	LIGHT		LOADED						AGITAT (MIN		DREDGE & HAUL (MIN)	MILES RUN (NAUT MI)
FORWARD		0				0	EFFECTIVE WORKING	TIME:				
AFT		0				0	PUMPING:			00:00	09:	55 0.0
DRAG DEPTH	MAX 0		MIN	0			TURNING:			00:00	00:	27 0.0
INDICATORS LA	AST CHECKED (ON.					TO DUMP:			00:00	05:	0.0
INDIO/ (TOTO E/	OT OFFICINED	311					CONNECTING:			00:00	00:0	0.0
AVERAGE SPEI	ED OF DREDGE	DURING	F	T/MIN		0	DUMPING:			00:00	01:	12 0.0
AVERAGE SPE	/ERAGE SPEED OF DREDGE DURING		F	T/MIN		0	DISCONNECTING:			00:00		
	ALLONS OF FUEL OIL CONSUMED			GAL		1,643	TO CUT: TOTALS:			00:00		
GALLONS OF W	GALLONS OF WATER CONSUMED			GAL		748		KINIO TIME		00:00	22:	0.0
	,	WORK PERFORI	l MED				NON-EFFECTIVE WOR			00:00	00:	0.0
					AGITA	ATING	TO AND FROM WHARF			00:00		
NO.OF LOADS	DREDGING AND HAULING F LOADS TOTAL CYS DISPOSAL AREA			L CYS	ANCHORAGE: LOSS DUE TO NATURA	AL.		00:00				
10	0 23,715 ODMDS 0		0	ELEMENTS: LOSS DUE TO TRAFFIO	C AND		00:00					
							BRIDGES MINOR OPERATING RI	=PAIRS		00:00		
							TRANSFERRING BETV			00:00		
							WORKS LAY TIME:			00:00		
		ATTENDANT PL	ANT			1	LAY TIME: FIRE AND BOAT DRILLS:			00:00		
IT	EM	NAME OF	R NUMBER	2	H.P.	HOURS	MISCELLANEOUS			00:00		
							TOTALS			00:00	01:4	13 0.0
							LOST TIME:					
							MAJOR REPAIRS AND ALTERNATIONS			00:00	00:0	0.0
							CESSATION:			00:00	00:0	0.0
							COLLISIONS:			00:00	00:0	0.0
							TOTALS:			00:00	00:0	0.0
							TOTAL TIME/MILES:			00:00	24:0	0.0

Color Colo	NAME AND TYPE M/V Columbia LOADS
NV Columbia LOADS	DREDGING AREA DISPOSAL AREA START TIME STOP TIME PUMPING TURNING DUMPING TO CUT (MIN) (M
LOAD DREDGING AREA DISPOSAL AREA START TIME STOP TIME TURNING TO DUMP DUMPING TO CUT (MIN)	DREDGING AREA DISPOSAL AREA START TIME DISPOSAL AREA STOP TIME PUMPING TURNING TO DUMP DUMPING TO CUT (MIN) MIN) MIN (MIN)
NUMBER DISPOSAL AREA STOP TIME TURNING TO CUT (MIN) 1	DISPOSAL AREA STOP TIME TURNING DUMPING TO CUT (MIN)
1 350+00-400+00 ODMDS	350+00-400+00
ODMDS OD	ODMDS 00:00 0 8 2,635 350+00-400+00 00:43 71 42 157 ODMDS 01:54 0 8 2,635 36 0 0 36 0 350+00-400+00 03:20 64 41 151 ODMDS 04:24 0 8 2,635 38 0 0 38 0 350+00-400+00 05:51 61 32 142 ODMDS 06:58 6 8 2,635 35 0 0 350+00-400+00 8 2,635 0DMDS 09:24 6 8 2,635 33 0 0 0 0 350+00-400+00 11:31 69 40 153 350+00-400+00 11:31 69 40 153
ODMDS OD	ODMDS 01:54 0 8 2,635 350+00-400+00 03:20 64 41 151 ODMDS 04:24 0 8 2,635 350+00-400+00 05:51 61 32 142 ODMDS 06:58 6 8 2,635 350+00-400+00 08:13 65 34 146 ODMDS 09:24 6 8 2,635 33 0 350+00-400+00 11:31 69 40 153
ODMDS 01:54 0 8 36 3 350+00-400+00	36 0 350+00-400+00 03:20 64 41 151 151 151
ODMDS OD	ODMDS 04:24 0 8 2,635 350+00-400+00 05:51 61 32 142 ODMDS 06:58 6 8 2,635 350+00-400+00 08:13 65 34 146 ODMDS 09:24 6 8 2,635 33 0 350+00-400+00 11:31 69 40 153 2005
ODMDS OD	ODMDS 04:24 0 8 2,635 350+00-400+00 05:51 61 32 142 ODMDS 06:58 6 8 2,635 350+00-400+00 08:13 65 34 146 ODMDS 09:24 6 8 2,635 33 0 350+00-400+00 11:31 69 40 153 2005
38 4 350+00-400+00 05:51 61 32 06:58 6 8 35 5 350+00-400+00 08:13 65 34 09:24 6 8 33 6 350+00-400+00 11:31 69 40 00MDS 12:40 0 8 36 7 350+00-400+00 14:22 70 41 00MDS 15:32 0 8 8 36	38 0 350+00-400+00 05:51 61 32 142 ODMDS 06:58 6 8 2,635 35 0 350+00-400+00 08:13 65 34 146 ODMDS 09:24 6 8 2,635 33 0 350+00-400+00 11:31 69 40 153
ODMDS 06:58 6 8 35 5 350+00-400+00 ODMDS 08:13 65 8 33 65 8 33 66 8 35 60 7 350+00-400+00 ODMDS 11:31 69 40 ODMDS 12:40 0 8 36 7 350+00-400+00 ODMDS 14:22 70 41 ODMDS 15:32 0 8 36	ODMDS 06:58 6 8 2,635 350+00-400+00 08:13 65 34 146 ODMDS 09:24 6 8 2,635 350+00-400+00 11:31 69 40 153 40 40 153
ODMDS ODMDS OB:58 6 8 35 350+00-400+00 ODMDS	35 0 350+00-400+00 08:13 65 34 146 ODMDS 09:24 6 8 2,635 33 0 350+00-400+00 11:31 69 40 153
ODMDS ODMDS O9:24 6 8 33 6 350+00-400+00 ODMDS 11:31 69 40 8 36 7 350+00-400+00 ODMDS 14:22 70 41 ODMDS 15:32 O 8 36	ODMDS 09:24 6 8 2,635 33 0 350+00-400+00 11:31 69 40 153 40 153
ODMDS ODMDS O9:24 6 8 33 6 350+00-400+00 ODMDS 11:31 69 40 8 36 7 350+00-400+00 ODMDS 14:22 70 41 ODMDS 15:32 O 8 36	ODMDS 09:24 6 8 2,635 33 0 350+00-400+00 11:31 69 40 153 40 0 0 0
33 6 350+00-400+00 11:31 69 40 ODMDS 12:40 0 8 36 7 350+00-400+00 14:22 70 41 ODMDS 15:32 0 8 36	33 0 350+00-400+00 11:31 69 40 153
ODMDS 12:40 0 8 36 7 350+00-400+00 ODMDS 14:22 70 41 15:32 0 8 36	40.40
ODMDS 12:40 0 8 36 7 350+00-400+00 14:22 70 41 ODMDS 15:32 0 8 36	ODMDS 12:40 0 8 2.635
7 350+00-400+00 14:22 70 41 ODMDS 15:32 0 8 36	1 00000
ODMDS 15:32 0 8 36 36	
ODMDS 15:32 0 8 36	350+00-400+00 14:22 70 41 155
250.00.00	I ODINIDS
8 350+00-400+00 17:15 65 33	350+00-400+00 17:15 65 33 145
ODMDS 18:24 4 8	40.04
35 35	ODIVIDO
9 350+00-400+00 19:40 61 32	
	350+00-400+00 19:40 61 32 140
35	0.005
10 350+00-400+00 22:15 69 0	ODMDS 20:45 4 8 2,635
20:24	ODMDS 20:45 4 8 2,635 0
29	ODMDS 20:45 4 8 2,635 35 0 350+00-400+00 22:15 69 0 105
	ODMDS 20:45 4 8 2,635 350+00-400+00 22:15 69 0 105 ODMDS 23:31 7 0 0
NARRATIVE(S)	ODMDS 20:45 4 8 2,635 350+00-400+00 22:15 69 0 105 ODMDS 23:31 7 0 0 29 0
	ODMDS 18:24 4 8 2,635
ODIVIDO	ODIVIDO
9 350+00-400+00 19:40 61 32	
	350+00-400+00 19:40 61 32 140
	350+00-400+00 19:40 61 32 140
	0.005
	ODMDS 20:45 4 8 2,635
	ODMDS 20:45 4 8 2,635
02:04	ODMDS 20:45 4 8 2,635 0
	ODMDS 20:45 4 8 2,635 35 0 350+00-400+00 22:15 69 0 105
	ODMDS 20:45 4 8 2,635 350+00-400+00 22:15 69 0 105 ODMDS 23:31 7 0 0

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 DREDG	SE .		PA	GE NO.	Page 13 of 95
CONTRACT NO W9127820F0		CONTRACT TI		Pasca	goula Hai	rbor	CONTRACTOR Dutra Dredging Co.			RE	PORT NO.	7
CHARACTER O	F	X MAINTEN	NANCE		NEW V	VORK					ATE 06/29/2020	
DRED	GE	HOPF	PER CAP:			4387 CY	AVG VOL OF BIN WAT	ER:	0 CY	AVG (JNFILLED CAP:	0 CY
M/V Co	lumbia	NO. OF CF MEMBEF			DREDG 15	Έ	OTHER PLANT	WORK SCH	HEDULE	SHIFT	S PER DAY	DAYS PER WEEK
LOCATION		LOCATION CH				GED; STA		DISPOSAL A	REA USE	QTY DI GROSS	EPOSITED CU	MULATIVE AND QTY EPOSIT FOR DA(CY) 155,465
		AVG LENGTH	•			5000 FT	AVG WIDTH OF CUT		0 FT	AVG D	DIST TO DUMP	4 NM
CHARAC*		DENSITY OF MA	ATERIALS						2.60	GMS/LI	ITER	2.60
MATER	RIAL	DENSITY OF W	ATER						1.0060	GMS/LI	TER@	0 °F
RIVER/		MIN	0.63	TIME		23:48	MAX 0.97	TIME	08:17	GAGE I	LOCATION Pas	cagoula Point
OTA		MIN	0.00	TIME		00:00		TIME			DATUM MLL	W
WEATHER C	ONDITION	WEATHER Weather Caus	sed No Dela	ay			TEMP 75 °F / 95 °F	VISIBILITY 10 MI		WIND 15 MPI	Н	
		DRAFT						DISTRIBUT	ION OF TIM	IE AND	MILES RUN	
	LIGHT		LOADED						AGITAT (MIN		DREDGE & HAUL (MIN)	MILES RUN (NAUT MI)
FORWARD		10				18	EFFECTIVE WORKING	TIME:				
AFT		12				17	PUMPING:			00:00	10:	6 0.0
DRAG DEPTH	MAX 0		MIN	0			TURNING:			00:00	00:	6 0.0
INDICATORS LA	AST CHECKED (ON.					TO DUMP:			00:00	06:0	0.0
INDIO/ (TOTO E/	OT OFFICINED	514					CONNECTING:			00:00	00:0	0.0
AVERAGE SPEI	ED OF DREDGE	DURING	F	T/MIN		0	DUMPING:			00:00	01:	0.0
AVERAGE SPE	/ERAGE SPEED OF DREDGE DURING		F	T/MIN		0	DISCONNECTING:			00:00	00:0	
	GITATING GALLONS OF FUEL OIL CONSUMED			GAL		1,489	TO CUT: TOTALS:			00:00	05:	
GALLONS OF W	VATER CONSUM	1ED		GAL		748		14010 7015		00:00	23:	0.0
	,	WORK PERFORM	MED.				NON-EFFECTIVE WOR			00:00	00:0	0.0
					AGITA	ATING	TO AND FROM WHARF			00:00	00:0	
NO.OF LOADS				L CYS	ANCHORAGE: LOSS DUE TO NATURA	AL.		00:00	00:0			
11	26,350	ODN	MDS		(0	ELEMENTS: LOSS DUE TO TRAFFIO	C AND		00:00	00:0	
							BRIDGES MINOR OPERATING RI	=PAIRS		00:00	00:0	
							TRANSFERRING BETWEEN			00:00	00:0	
							WORKS LAY TIME:			00:00	00:0	0.0
		ATTENDANT PLA	ANT		-		FIRE AND BOAT DRILL	S:		00:00	00:0	0.0
IT	EM	NAME OF	NUMBER	ł	H.P.	HOURS	MISCELLANEOUS			00:00	00:	2 0.0
							TOTALS			00:00	00:	2 0.0
							LOST TIME:		I		1	1
							MAJOR REPAIRS AND ALTERNATIONS			00:00	00:0	0.0
							CESSATION:			00:00	00:0	0.0
							COLLISIONS:			00:00	00:0	0.0
							TOTALS:			00:00	00:0	0.0
							TOTAL TIME/MILES:			00:00	24:0	0.0

	NAME AND TYPE NAME AND TYPE AND TABLE AND TAB			QUALITY C	ONTROL REPORT-HOPPER	DREDGE	PAGE NO.	Page 14 of 9
DADD DREDGING AREA DISPOSAL AREA START TIME STOP TIME TURNING TURNING DIMPING D	DREDGE M/V Columbia TOADS						REPORT N	10.
LOADS	LOADS	DREDGE					DATE 06/29/20	20
NUMBER DISPOSAL AREA STOP TIME (HHJMM) TURNING (MN) DUMPING TO CUT (MN) DREDGED AMOU AGITATED AMOU AGITATED AMOU (MINICYS) 1 350+00-400+00 00:00 3 39 50 2 350+00-400+00 00:50 71 37 153 2 350+00-400+00 00:50 71 37 153 3 350+00-400+00 03:23 70 37 167 0DMDS 04:33 0 23 2,635 0DMDS 04:33 0 23 2,635 0DMDS 07:19 5 8 2,635 0DMDS 07:19 5 8 2,635 6 350+00-400+00 08:29 39 39 123 6 350+00-400+00 08:29 39 39 123 6 350+00-400+00 10:32 66 35 147 7 360+00-400+00 10:32 7 8 2,635 0DMDS 11:45 7 <th>NUMBER DISPOSAL AREA STOP TIME (HHJMM) TURNING (MN) DUMPING TO CUT (MINICYS) DEDECTION OF COLOR OF CUT TO CUT T</th> <th></th> <th></th> <th>W/V Goldfibla</th> <th>LOADS</th> <th></th> <th>I</th> <th></th>	NUMBER DISPOSAL AREA STOP TIME (HHJMM) TURNING (MN) DUMPING TO CUT (MINICYS) DEDECTION OF COLOR OF CUT TO CUT T			W/V Goldfibla	LOADS		I	
1 S50+00-400+00 ODMDS	1				STOP TIME	TURNING	DUMPING TO CUT	DREDGED AMOUN AGITATED AMOUN
ODMDS	ODMDS	1	350+00-400+00)		` ,		` ,
ODMDS	ODMDS	ı	ODMDS		00:03	0		· ·
3 350+00-400+00	350+00-400+00	2					8	2,635
ODMDS 04:33 0 23 2,635 37 0 4 350+00-400+00 06:10 64 34 139 0 28 0 0 8 2,635 28 0 0 5 8 2,635 28 0 0 8 2,635 28 0 0 8 2,635 28 0 0 8 2,635 28 0 0 8 2,635 28 0 0 8 2,635 28 0 0 8 2,635 28 0 0 8 2,635 20 0 8 2,635 0 0 8 2,635 0 0 8 2,635 0 0 1 0	ODMDS 04:33 0 23 3 7 0 2,635 37 0 4 350+00-400+00 06:10 64 34 139 139 2,635 28 0 0 5 350+00-400+00 08:29 39 39 39 123 39 2,635 37 0 0 0 0 36 2,635 37 0 0 6 350+00-400+00 0 10:32 66 35 11:45 7 8 2,635 37 0 0 31 0 0 0 0 14:17 39 11:45 15 15 15 15 15 15 15 15 15 15 15 15 15		350+00-400+00	1	03:23	70		
ODMDS	ODMDS	3		,			23	2,635
STATUS 128 0 0 0 0 0 0 0 0 0	Solution	4	350+00-400+00)	06:10	64	34	139
ODMDS 09.08 0 8 2,635 6 350+00-400+00 10:32 66 35 147 ODMDS 11:45 7 8 2,635 31 0 31 0 7 350+00-400+00 12:59 71 39 155 ODMDS 14:10 0 8 2,635 37 0 0 8 2,635 37 142 0 8 2,635 0DMDS 16:51 0 8 2,635 32 0 0 8 2,635 32 0 0 8 2,635 9 350+00-400+00 18:08 64 34 153 25 0 25 0 10 350+00-400+00 20:41 64 33 134 0DMDS 21:45 0 8 2,635 29 0 0 2 0	ODMDS 09:08 0 8 2,635 6 350+00-400+00 10:32 66 35 147 ODMDS 11:45 7 8 2,635 31 0 350+00-400+00 12:59 71 39 155 ODMDS 14:10 0 8 2,635 37 0 8 350+00-400+00 15:46 65 37 142 ODMDS 16:51 0 8 2,635 9 350+00-400+00 18:08 64 34 153 20 25 0 0 26 2,635 10 350+00-400+00 20:41 64 33 134 ODMDS 21:45 0 8 2,635 29 0 0 2 26 0 11 350+00-400+00 22:55 39 0 65 0DMDS 23:34 0 0 0 0	·	ODMDS				28	0
ODMDS 11:45 7 8 31 31 2,635 0 7 350+00-400+00 ODMDS 12:59 71 39 155 37 0 71 39 155 37 0 155 37 0 155 37 0 155 37 0 142 2 37 0 142 2 37 0 142 2 37 0 142 2 37 0 142 2 37 0 142 2 37 0 142 2 37 0 142 2 37 0 153 2 0 <td>ODMDS 11:45 7 8 31 0 0 7 350+00-400+00 0 ODMDS 12:59 71 39 155 37 0 0 8 350+00-400+00 ODMDS 15:46 65 37 37 142 0 0 9 350+00-400+00 ODMDS 18:08 64 34 153 0 0 9 350+00-400+00 ODMDS 19:16 4 26 26 0 0 10 350+00-400+00 ODMDS 20:41 64 33 134 0 0 0 11 350+00-400+00 ODMDS 21:45 0 0 8 29 0 0 11 350+00-400+00 ODMDS 22:55 39 0 0 0</td> <td>5</td> <td></td> <td>)</td> <td></td> <td></td> <td>8</td> <td>2,635</td>	ODMDS 11:45 7 8 31 0 0 7 350+00-400+00 0 ODMDS 12:59 71 39 155 37 0 0 8 350+00-400+00 ODMDS 15:46 65 37 37 142 0 0 9 350+00-400+00 ODMDS 18:08 64 34 153 0 0 9 350+00-400+00 ODMDS 19:16 4 26 26 0 0 10 350+00-400+00 ODMDS 20:41 64 33 134 0 0 0 11 350+00-400+00 ODMDS 21:45 0 0 8 29 0 0 11 350+00-400+00 ODMDS 22:55 39 0 0 0	5)			8	2,635
ODMDS 11:45 7 8 2,635 7 350+00-400+00 12:59 71 39 155 ODMDS 14:10 0 8 2,635 37 0 37 0 8 350+00-400+00 15:46 65 37 142 ODMDS 16:51 0 8 2,635 9 350+00-400+00 18:08 64 34 153 ODMDS 19:16 4 26 2,635 10 350+00-400+00 20:41 64 33 134 ODMDS 21:45 0 8 2,635 29 0 0 0 0 11 350+00-400+00 22:55 39 0 65 ODMDS 23:34 0 0 0 0	ODMDS 11:45 7 8 2,635 7 350+00-400+00 12:59 71 39 155 ODMDS 14:10 0 8 2,635 37 0 37 0 8 350+00-400+00 15:46 65 37 142 ODMDS 16:51 0 8 2,635 9 350+00-400+00 18:08 64 34 153 ODMDS 19:16 4 26 2,635 10 350+00-400+00 20:41 64 33 134 ODMDS 21:45 0 8 2,635 29 0 0 65 11 350+00-400+00 22:55 39 0 65 ODMDS 23:34 0 0 0 0	6	350+00-400+00)	10:32	66	35	147
ODMDS 14:10 0 8 2,635 0 8 350+00-400+00 15:46 65 37 142 ODMDS 16:51 0 8 2,635 9 350+00-400+00 18:08 64 34 153 ODMDS 19:16 4 26 2,635 25 0 10 350+00-400+00 20:41 64 33 134 ODMDS 21:45 0 8 2,635 29 0 0 0 11 350+00-400+00 22:55 39 0 65 ODMDS 23:34 0 0 0	ODMDS 14:10 0 8 2,635 0 8 350+00-400+00 15:46 65 37 142 ODMDS 16:51 0 8 2,635 9 350+00-400+00 18:08 64 34 153 ODMDS 19:16 4 26 2,635 25 0 10 350+00-400+00 20:41 64 33 134 ODMDS 21:45 0 8 2,635 29 0 0 0 11 350+00-400+00 22:55 39 0 65 ODMDS 23:34 0 0 0	Ü	ODMDS		11:45	7		
8 350+00-400+00	8 350+00-400+00	7	350+00-400+00)				
ODMDS 16:51 0 8 2,635 0 9 350+00-400+00 DDMDS 18:08 19:16 4 26 2,635 0 10 350+00-400+00 DDMDS 20:41 00 8 20:41 64 33 134 00 00 11 350+00-400+00 DDMDS 21:45 0 22:55 0 0 11 350+00-400+00 DDMDS 22:55 39 0 0 0 0 0 0 0 0 0 0 0 0 0	ODMDS 16:51 0 8 2,635 0 9 350+00-400+00 DDMDS 18:08 19:16 4 26 2,635 0 10 350+00-400+00 DDMDS 20:41 00 8 20:41 64 33 134 00 00 11 350+00-400+00 DDMDS 21:45 0 22:55 0 0 11 350+00-400+00 DDMDS 22:55 39 0 0 0 0 0 0 0 0 0 0 0 0 0						37	0
ODMDS 19:16 4 26 2,635 0 10 350+00-400+00 ODMDS 20:41 64 33 134 2,635 29 0 11 350+00-400+00 ODMDS 22:55 39 ODMDS 23:34 0 0 0 0 0 0 0 0	ODMDS 19:16 4 26 2,635 0 10 350+00-400+00 ODMDS 20:41 64 33 134 2,635 29 0 11 350+00-400+00 ODMDS 22:55 39 ODMDS 23:34 0 0 0 0 0 0 0 0	8		J			8	2,635
10 350+00-400+00 20:41 64 33 134 ODMDS 21:45 0 8 2,635 29 0 11 350+00-400+00 22:55 39 0 0 65 ODMDS 23:34 0 0 0 26 0	10 350+00-400+00 20:41 64 33 134 ODMDS 21:45 0 8 2,635 29 0 1 1 350+00-400+00 22:55 39 0 0 65 ODMDS 23:34 0 0 0 26 0 0	9)			26	2,635
ODMDS 21:45 0 8 29 0 11 350+00-400+00 ODMDS 22:55 39 0 65 ODMDS 23:34 0 0 0 0 0 0 0 0 0 0 0 0 0	ODMDS 21:45 0 8 29 0 11 350+00-400+00 ODMDS 22:55 39 0 65 ODMDS 0 0 0 0 0 0 0 0 0 0 0 0 0		250+00-400+00		20:44	64		_
ODMDS 23:34 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	ODMDS 23:34 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	10		J			8	2,635
ODMDS 23:34 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	ODMDS 23:34 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	11	350+00-400+00)	22:55	39	0	65
C NARRATIVE(S)	C NARRATIVE(S)		ODMDS		23:34	0	-	
		C NARRAT	IVE(S)					
		ONTRACTO	OR CERTIFICAT		e contractor, I certify that the	is Report is complete	and correct and all e	equipment and
ONTRACTOR CERTIFICATION On behalf of the contractor, I certify that this Report is complete and correct and all equipment and				materiai used a	na work performed during t	ins Reporting period a	ne in compliance wi	ui uie contract
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.	material used and work performed during this Reporting period are in compliance with the contract			plans and spec	ifications, to the best of my	knowledge, except as	noted above.	

			QUA	LITY	CONTR	OL REPO	ORT-HOPPER DREDO	GE		PA	AGE NO.	Page 15 of 95
CQNTRACT NO W9127820F0		CONTRACT TI		Pasca	goula Hai	rbor	CONTRACTOR Dutra Dredging Co.			RE	PORT NO.	8
CHARACTER C)F	X MAINTEN	NANCE		NEW V	VORK					ATE 06/30/2020	
DRED	OGE	НОРЕ	PER CAP:			4387 CY	AVG VOL OF BIN WAT	ER:	0 CY	AVG I	UNFILLED CAP:	0 CY
M/V Co	olumbia	NO. OF CF MEMBEF			DREDG 15	E	OTHER PLANT	WORK SC	HEDULE	SHIFT	TS PER DAY	DAYS PER WEEK
LOCATI WOI		LOCATION CH				GED; STA		DISPOSAL A	REA USE	QTY D GROS	EPOSITED CU	IMULATIVE AND QTY DEPOSIT FOR DA(CY) 179,180
		AVG LENGTH	OF CUT			5000 FT	AVG WIDTH OF CUT		400 FT	AVG E	DIST TO DUMP	4 NM
CHARAC MATE		DENSITY OF M	ATERIALS						2.60	GMS/L	ITER	2.60
MATE	NAL .	DENSITY OF W	ATER						1.0060	GMS/L	ITER@	80 °F
RIVER/ STA		MIN	0.63	TIME		23:48	MAX 0.97	TIME	08:17	GAGE	LOCATION Pas	cagoula Point
WEATHER O		MIN WEATHER	0.00	TIME		00:00	MAX 0.00	TIME VISIBILITY		GAGE WIND	DATUM MLL	.W
WEATHER C	ONDITION	Weather Caus	sed No Dela	ay			75 °F / 95 °F	10 MI		12 MP	H	
		DRAFT						DISTRIBUT			MILES RUN	
	LIGHT		LOADED						AGITAT (MIN		DREDGE & HAUL (MIN)	MILES RUN (NAUT MI)
FORWARD		10				18	EFFECTIVE WORKING	TIME:				
AFT		12				17	PUMPING:			00:00	09:	33 0.0
DRAG DEPTH	MAX 0		MIN	0			TURNING:			00:00	00:0	0.0
INDICATORS	AST CHECKED (ON 09/01/20 ⁻	19				TO DUMP:			00:00	05:3	37 0.0
INDICATORS	AOT OFFICINED	311 09/01/20	13				CONNECTING:			00:00	00:0	0.0
	ED OF DREDGE	DURING	FT	Γ/MIN		0	DUMPING:			00:00	02:0	0.0
	ERAGE SPEED OF DREDGE DURING ITATING LLONS OF FUEL OIL CONSUMED GA LLONS OF WATER CONSUMED GA WORK PERFORMED		FT	Γ/MIN		0	DISCONNECTING:			00:00	00:0	0.0
				GAL		1 489	TO CUT:			00:00	04:2	
GALLONS OF V				GAL		748	TOTALS:			00:00	21:	50 0.0
						NON-EFFECTIVE WOR		<u> </u>				
			Ī	AGITATING		TAKING ON FUEL AND TO AND FROM WHAR			00:00	00:0		
NO.OF LOADS		AND HAULING DISPOSA	AL AREA	TOTAL CYS			ANCHORAGE: LOSS DUE TO NATUR			00:00	00:0	
9	23,715	1	MDS)	ELEMENTS: LOSS DUE TO TRAFFI			00:00	00:0	
							BRIDGES			00:00	00:3	
							MINOR OPERATING R TRANSFERRING BETV			00:00	00:5	
							WORKS			00:00	00:0	
		ATTENDANT PL	ANT		_		LAY TIME:	0		00:00	00:0	
IT	EM	NAME OF	RNUMBER	1	H.P.	HOURS	FIRE AND BOAT DRILL	.5:		00:00	00:0	
Crew	Boat	Cape	Anne		400	24:00	MISCELLANEOUS			00:00	00.5	
							TOTALS			00.00	02.	10 0.0
							LOST TIME: MAJOR REPAIRS AND			00:00	00:0	0.0
							ALTERNATIONS CESSATION:			00:00	00:0	
							COLLISIONS:			00:00	00:0	
							TOTALS:			00:00	00:0	
							TOTAL TIME/MILES:			00:00		
							TOTAL THVIL/WILLS.			50.00		~ 0.0

		QUALITY C	ONTROL REPORT-HOPPER	DREDGE	PAGE NO.	Page 16 of 9
ONTRACT NO W9127820F0		CONTRACT TITLE IDIQ Hopper Dredge for Pascago	CONTRACTo ula Harbor Dutra Dredgi		REPORT N	IO. 8
DREDGE		NAME AND TYPE M/V Columbia			DATE 06/30/20	20
		IVI/ V COIGITIDIA	LOADS		1	
LOAD NUMBER		DREDGING AREA DISPOSAL AREA	START TIME STOP TIME	PUMPING TURNING	TO DUMP DUMPING TO CUT	TOTAL TIME DREDGED AMOUNT AGITATED AMOUNT
1	350+00-400+00)	(HH:MM) 00:00	(MIN) 44	(MIN) 38	(MIN/CYS) 90
·	ODMDS		00:44	0	8 0	2,635 0
2	350+00-400+00)	01:30	71	42	154
	ODMDS		02:41	0	8 33	2,635 0
3	350+00-400+00)	04:04	64	33	141
3	ODMDS		05:08	0	8 36	2,635 0
4	350+00-400+00)	06:55	60	33	129
·	ODMDS		07:58	3	8 25	2,635 0
5	350+00-400+00)	09:04	62	35	139
	ODMDS		10:10	4	8 30	2,635 0
6	350+00-400+00)	12:13	70	40	166
	ODMDS		13:23	0	17 39	2,635 0
7	350+00-400+00)	14:59	70	38	149
	ODMDS		16:09	0	8 33	2,635 0
8	350+00-400+00)	17:28	63	41	202
	ODMDS		18:31	0	60 38	2,635 0
9	350+00-400+00)	21:20	69	37	140
	ODMDS		22:29	0	3 31	2,635 0
ONTRACTO	OR CERTIFICAT		e contractor, I certify that thi nd work performed during t	is Report is complete	and correct and all e	equipment and

			QUA	LITY	CONTR	OL REPO	RT-HOPPER DREDO	SE .		PA	GE NO.	Page 17 of 95
CONTRACT NO W9127820F0		CONTRACT TI		Pasca	goula Hai	rbor	CONTRACTOR Dutra Dredging Co.			RE	PORT NO.	9
CHARACTER O	F	X MAINTEN	IANCE		NEW V	VORK					TE 07/01/2020	
DRED	GE	HOPE	ER CAP:			4387 CY	AVG VOL OF BIN WAT	ER:	0 CY	AVG l	JNFILLED CAP:	0 CY
M/V Co	lumbia	NO. OF CF MEMBEF			DREDG 15	Ε	OTHER PLANT	WORK SCI	HEDULE	SHIFT	S PER DAY	DAYS PER WEEK
LOCATION		LOCATION CH				GED; STA		DISPOSAL A	REA USE	QTY D	EPOSITED CL	MULATIVE AND QTY EPOSIT FOR DA(CY) 202,895
		AVG LENGTH	•			5000 FT	AVG WIDTH OF CUT		400 FT	AVG E	DIST TO DUMP	4 NM
CHARAC		DENSITY OF M	ATERIALS						2.60	GMS/LI	TER	2.60
MATER	RIAL	DENSITY OF W	ATER						1.0060	GMS/LI	TER@	80 °F
RIVER/		MIN	0.63	TIME		23:48	MAX 0.97	TIME	08:17	GAGE	LOCATION Pas	cagoula Point
SIA	JE	MIN	0.00	TIME		00:00		TIME			DATUM MLI	W
WEATHER C	ONDITION	WEATHER Weather Caus	ed No Dela	ay			TEMP 75 °F / 92 °F	VISIBILITY 10 MI		WIND 25 MP	Н	
		DRAFT						DISTRIBUT	ION OF TIM	IE AND	MILES RUN	
	LIGHT		LOADED						AGITAT (MIN		DREDGE & HAUL (MIN)	MILES RUN (NAUT MI)
FORWARD		10				18	EFFECTIVE WORKING	TIME:				
AFT		12				17	PUMPING:			00:00	10:	0.0
DRAG DEPTH	MAX 0		MIN	0			TURNING:			00:00	00:	0.0
INDICATORS LA	AST CHECKED (ON 09/01/20 ⁻	9				TO DUMP:			00:00	05:	0.0
							CONNECTING:			00:00	00:	
AVERAGE SPEI	ED OF DREDGE	DURING	FT	/MIN		0	DUMPING:			00:00	02:	
	ERAGE SPEED OF DREDGE DURING		FT	/MIN		0	DISCONNECTING:			00:00	00:	
	UEL OIL CONSU	JMED		GAL		2,383	TO CUT: TOTALS:			00:00	04:	
GALLONS OF W	ALLONS OF WATER CONSUMED			GAL		1,122	NON-EFFECTIVE WOR	KING TIME:		00.00	23:	0.0
	1	WORK PERFORI	/IED	I			TAKING ON FUEL AND			00:00	00:	0.0
	DREDGING A	ND HAULING			AGITA	ATING	TO AND FROM WHARF ANCHORAGE:	OR		00:00	00:	0.0
NO.OF LOADS	3.5. 35. 12. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1.			L CYS	LOSS DUE TO NATURA	AL		00:00	00:	0.0		
	23,715 ODMDS 0		<u> </u>	LOSS DUE TO TRAFFI BRIDGES	C AND		00:00	00:	0.0			
							MINOR OPERATING RI	EPAIRS		00:00	00:	30 0.0
							TRANSFERRING BETWEEN WORKS			00:00	00:	0.0
		 ATTENDANT PL	ANT				LAY TIME:			00:00	00:	0.0
IT	EM	Γ	NUMBER		H.P.	HOURS	FIRE AND BOAT DRILL	S:		00:00	00:	0.0
Crew		Cape			400	24:00	MISCELLANEOUS			00:00	00:	30 0.0
Olew	Doar	Саре	Aille		400	24.00	TOTALS			00:00	01:	0.0
							LOST TIME:					
							MAJOR REPAIRS AND ALTERNATIONS			00:00	00:	0.0
							CESSATION:			00:00	00:	0.0
							COLLISIONS:			00:00	00:	0.0
							TOTALS:			00:00	00:	0.0
							TOTAL TIME/MILES:			00:00	24:	0.0

NUMBER DISPOSAL AREA STOP TIME (IH-MM) (MIN) (MIN) TURNING TO CUT (MIN) DUMPING TO CUT (MIN) DEMORED AGENTATED (MIN) 1 350+00-400+00 0.00.00 0 0 0 4 2.6 0 <t< th=""><th></th><th></th><th></th><th>QUALITY CONT</th><th>ROL REPORT-HOPPER</th><th>DREDGE</th><th>PAGE NO</th><th>Page 18 of 9</th></t<>				QUALITY CONT	ROL REPORT-HOPPER	DREDGE	PAGE NO	Page 18 of 9
LOADS DREEDGING AREA START TIME PUMPING TO DUMP DAMPING TO CUT MINES PUMPING PU				e for Pascagoula F			REPORT I	NO.
CADB DREDGING AREA START TIME PUMPING DIMPING DISPOSAL AREA START TIME PUMPING DIMPING DISPOSAL AREA START TIME PUMPING DIMPING DISPOSAL AREA START TIME PUMPING DISPOSAL AREA START TIME PUMPING DISPOSAL AREA START TIME PUMPING DIMPING DISPOSAL AREA START TIME PUMPING DISPOSAL AREA START TIME	REDGE						DATE 07/01/20	020
NIMBER DISPOSAL AREA (HeHAM) (MN) (MN) (MN) (MN) (MN) (MN) (MN) (M			W/ V COIGINDIA		LOADS			
1 350+00-400+00 00.900 0 4 2.6.					STOP TIME	TURNING	DUMPING TO CUT	TOTAL TIME DREDGED AMOUN AGITATED AMOUN
ODMDS	1	350+00-400+00)			` ′	. ,	(MIN/CYS)
ODMDS 0119 0 8 2.8 39 0 0 39 0 0 0 0 0 0 0 8 0 2.8 39 0 0 0 0 0 0 8 0 2.8 34 0 0 0 0 0 0 8 0 2.8 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	'	ODMDS			00:00	0		2,635 0
3 350+00-400+00	2	350+00-400+00)					163
3 359+00-400+00		ODMDS			01:19	0		2,635 0
ODMOS	•	350+00-400+00)		02:47	78		159
4 380+00-400+00	3		•					2,635
ODMDS 06:30 0 10 2.6 27 0.0 0 10 2.6 27 0.0 0 10 2.6 27 0.0 0 10 2.6 27 0.0 0 10 2.6 27 0.0 0 10 2.6 2.6 2.6 2.6 2.6 2.6 2.7 10 10 2.6 2.6 2.6 2.7 10 10 2.6 2.6 2.6 2.7 10 10 2.6 10 2.7 10 10 2.6 10 2.7 10 10 10 10 10 10 10 10 10 10 10 10 10								0
SORDES 330+00-400+00 ODMDS 08:41 0 27 08:41 0 25 27 0 6 350+00-400+00 ODMDS 11:43 0 8 2.6 ODMDS 11:43 0 8 2.6 ODMDS 12:56 60 43 3 15 ODMDS 15:27 ODMDS 15:27 ODMDS 16:32 ODMDS 16:32 0 54 2.6 ODMDS 18:39 0 54 2.6 ODMDS 10 350+00-400+00 19:50 6 8 2.6 ODMDS 10 350+00-400+00 10 350+0	4	350+00-400+00)					135
\$ 350+00-400+00		ODMDS			06:30	0		2,635 0
ODMDS OD		350+00-400+00)		07:41	60		145
6 350+00-400+00	5		•					2,635
ODMDS 11:43 0 8 2.6 0.0 7 350+00-400+00 12:56 60 43 15:5 ODMDS 13:56 0 13:5 0.0 8 350+00-400+00 15:27 65 37 19 ODMDS 16:32 0 54 2.6 ODMDS 18:39 65 31 15:5 ODMDS 19:50 6 8 2.6 ODMDS 19:50 6 8 2.6 ODMDS 21:14 66 35 13 ODMDS 22:20 0 4 3 ODMDS 22:20 0 31 0.0 ODMDS 25:31 0.0 ODMDS 35:31 0.0							27	0
7 350+00-400+00 12:56 60 43 15	6	350+00-400+00)					140
7 350+00-400+00 12:56 60 43 155 26		ODMDS			11:43	0		2,635 0
ODMDS 13:56 0 13 350+00-400+00 15:27 0DMDS 16:32 0 54 2.6 36 0 9 350+00-400+00 18:39 65 31 15 0DMDS 19:50 6 8 2.6 10 350+00-400+00 21:14 66 35 13 0DMDS 22:20 0 4 0C C NARRATIVE(S)	_	350+00-400+00	1		12:56	60		151
8 350+00-400+00 15:27 65 37 19 ODMDS 16:32 0 54 2.6 36 0 9 350+00-400+00 18:39 65 31 15 ODMDS 19:50 6 8 2.6 10 350+00-400+00 21:14 66 35 13 ODMDS 22:20 0 4 0 C NARRATIVE(S)	7		,					2,635
ODMDS 16:32 0 54 2.6 36 0 9 350+00-400+00 18:39 65 31 15 ODMDS 19:50 6 8 2.6 45 0 10 350+00-400+00 21:14 66 35 13 ODMDS 22:20 0 4 0 0 C NARRATIVE(S)		OBMIDO					35	0
9 350+00-400+00 18:39 65 31 155	8	350+00-400+00)					192
9 350+00-400+00 18:39 65 31 15 ODMDS 19:50 6 8 2.6 10 350+00-400+00 21:14 66 35 13 ODMDS 22:20 0 4 0 0 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0		ODMDS			16:32	0		2,635 0
ODMDS 19:50 6 8 2.6 45 0 10 350+00-400+00 21:14 66 35 13	0	350+00-400+00)		18:39	65		155
10 350+00-400+00 21:14 66 35 13 ODMDS 22:20 0 4 0 C NARRATIVE(S)	9							2,635
ODMDS 22:20 0 4 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0							45	0
IC NARRATIVE(S)	10)					136
C NARRATIVE(S)		ODMDS			22:20	0		0
ONTRACTOR CERTIFICATION On behalf of the contractor. I certify that this Report is complete and correct and all equipment and	NARRATIV	/E(S)						
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.	NTRACTO	R CERTIFICAT	mat	erial used and w	ork performed during t	his Reporting period a	are in compliance w	equipment and ith the contract

			QUA	LITY	CONTR	OL REPO	ORT-HOPPER DREDG	SE .		PA	AGE NO.	Page 19 of 95
CONTRACT NO W9127820F0		CONTRACT TI		Pasca	goula Hai	rbor	CONTRACTOR Dutra Dredging Co.			RE	PORT NO.	10
CHARACTER O	F	X MAINTEN	IANCE		NEW V	VORK					ATE 07/02/2020	
DRED	GE	HOPF	ER CAP:			4387 CY	AVG VOL OF BIN WAT	ER:	0 CY	AVG I	UNFILLED CAP:	0 CY
M/V Co	lumbia	NO. OF CF MEMBEF			DREDG 15	Ε	OTHER PLANT	WORK SCI	HEDULE	SHIFT	TS PER DAY	DAYS PER WEEK
LOCATION		LOCATION CH				GED; STA		DISPOSAL A	REA USE	QTY D GROS	EPOSITED CL	JMULATIVE AND QTY DEPOSIT FOR DA(CY) 229,245
		AVG LENGTH		000 0		5000 FT	AVG WIDTH OF CUT	1	400 FT	AVG [DIST TO DUMP	4 NM
CHARAC*	TER OF	DENSITY OF M	ATERIALS						2.60	GMS/L	ITER	2.60
MATER	RIAL	DENSITY OF W	ATER						1.0060	GMS/L	ITER@	80 °F
RIVER/		MIN	0.63	TIME		23:48	MAX 0.97	TIME	08:17	GAGE	LOCATION Pas	cagoula Point
STAC	JE	MIN	0.00	TIME		00:00	MAX 0.00	TIME	00:00	GAGE	DATUM MLI	_W
WEATHER C	ONDITION	WEATHER Weather Caus	ed No Dela	ау			TEMP 78 °F / 93 °F	VISIBILITY 10 MI		WIND 20 MP		
		DRAFT						DISTRIBUT	ION OF TIM	IE AND	MILES RUN	
	LIGHT		LOADED						AGITAT (MIN		DREDGE & HAUL (MIN)	MILES RUN (NAUT MI)
FORWARD		10				18	EFFECTIVE WORKING	TIME:				•
AFT		12				17	PUMPING:			00:00	09:	27 0.0
DRAG DEPTH	MAX 0		MIN	0			TURNING:			00:00	00:	34 0.0
INDICATORS	NOT CHECKED	ON 00/04/004	10				TO DUMP:			00:00	05:	0.0
INDICATORS LA	AST CHECKED (ON 09/01/201	19				CONNECTING:			00:00	00:	0.0
	ED OF DREDGE	DURING	FT	Γ/MIN		0	DUMPING:			00:00	01:	55 0.0
	ERAGE SPEED OF DREDGE DURING		FT	Γ/ΜΙΝ		0	DISCONNECTING:			00:00	00:	0.0
AGITATING GALLONS OF F	GITATING ALLONS OF FUEL OIL CONSUMED			GAL			TO CUT:			00:00	05:	
GALLONS OF W	VATER CONSUM	MED		GAL			TOTALS:			00:00	22:	42 0.0
						748	NON-EFFECTIVE WOR	KING TIME:				
		WORK PERFORM	MED	Т			TAKING ON FUEL AND			00:00	00:	0.0
NO.OF LOADS		IND HAULING	NI ADEA			ATING	TO AND FROM WHARF ANCHORAGE: LOSS DUE TO NATURA			00:00	00:	24 0.0
12	DADS TOTAL CYS DISPOSAL AREA TOTAL CY 26,350 ODMDS 0			ELEMENTS: LOSS DUE TO TRAFFIG			00:00					
							BRIDGES			00:00		
							MINOR OPERATING REPAIRS TRANSFERRING BETWEEN			00:00		
							WORKS			00:00		
		ATTENDANT PL	ANT				LAY TIME:			00:00		
IT	ЕМ	NAME OF	NUMBER	1	H.P.	HOURS	FIRE AND BOAT DRILL	S:		00:00		
Crew	Boat	Cape	Anne		400	24:00	MISCELLANEOUS			00:00		
							TOTALS			00:00	01:	18 0.0
							LOST TIME: MAJOR REPAIRS AND		<u> </u>	00.51		00
							ALTERNATIONS			00:00		
							CESSATION:			00:00		
							COLLISIONS:			00:00		
							TOTAL TIME (MILEO)			00:00		
							TOTAL TIME/MILES:			00:00	24:	0.0

			QUALITY C	ONTROL REPORT-HOI	F	PAGE NO. Page 20 of 95			
CONTRACT N W912782010 W9127820F0		CONTRACT TIT	LE edge for Pascage		RACTOR Dredging Co.	F	REPORT NO.		
DREDGE		NAME AND TYP				ι	DATE 07/02/2020		
		M/V Columbia		LOADS			07/02/2020		
LOAD NUMBER		DREDGING A		START TIME STOP TIME (HH:MM)	PUMPING TURNING (MIN)		PING CUT	TOTAL TIME DREDGED AMOUNT AGITATED AMOUNT (MIN/CYS)	
1	350+00-400+0 ODMDS	0		00:00 00:00	0		1	4 2,635 0	
2	350+00-400+0 ODMDS	0		00:00 00:00	0	(0 0 0	
3	350+00-400+0 ODMDS	0		00:04 01:09	65 0	2	6 1 7	159 2,635 0	
4	350+00-400+0 ODMDS	0		02:43 03:48	65 0	8	6 3 2	141 2,635 0	
5	350+00-400+0 ODMDS	0		05:40 06:50	64 6	3		149 2,635 0	
6	350+00-400+0 ODMDS	0		08:09 09:15	62	3 8	3	141 2,635 0	
7	350+00-400+0 ODMDS	0		10:30 11:40	66 4	3 8		145 2,635 0	
8	350+00-400+0 ODMDS	0		12:55 13:34	39 0		1 3 8	116 2,635 0	
9	350+00-400+0 ODMDS	0		15:09 16:16	60 7	8	2 3 3	150 2,635 0	
10	350+00-400+0 ODMDS	0		17:39 18:46	61 6		1 3 9	145 2,635 0	
11	350+00-400+0 ODMDS	0		20:04 21:36	85 7	2	1 6 3	182 2,635 0	
12	350+00-400+0 ODMDS	0		23:06 23:06	0		0	30 0 0	
QC NARRAT	IVE(S)								
CONTRACTO	OR CERTIFICA	TION	On hab W. CO		- Atti- D				
			material used a	e contractor, I certify the and work performed du cifications, to the best of	ring this Reporting of my knowledge, ex	period are in comp cept as noted abov	liance with /e.	uipment and the contract	
QC REPRES	ENTATIVE'S S	IGNATURE		DATE	DENT'S INITIALS				

			LITY	CONTR	OL REPO	ORT-HOPPER DREDO	SE .		PA	GE NO.	Page 21 of 95	
CQNTRACT NO W9127820F0		CONTRACT TI		Pasca	goula Hai	rbor	CONTRACTOR Dutra Dredging Co.			RE	PORT NO.	11
CHARACTER O	F	X MAINTEN	IANCE		NEW V	VORK					ATE 07/03/2020	
DRED	GE	HOPF	ER CAP:			4387 CY	AVG VOL OF BIN WAT	ER:	0 CY	AVG l	JNFILLED CAP:	0 CY
M/V Co	lumbia	NO. OF CF MEMBEF			DREDG 15	Έ	OTHER PLANT	WORK SCI	HEDULE	SHIFT	TS PER DAY	DAYS PER WEEK
LOCATION		LOCATION CH				GED; STA		DISPOSAL A	REA USE	QTY D	EPOSITED CL	JMULATIVE AND QTY DEPOSIT FOR DA(CY) 229,245
		AVG LENGTH	•			5000 FT	AVG WIDTH OF CUT		400 FT	AVG DIST TO DUMP		
CHARAC*		DENSITY OF M	ATERIALS						2.60	GMS/L	TER	2.60
MATER	RIAL	DENSITY OF W	ATER						1.0060	GMS/LI	TER@	80 °F
RIVER/		MIN	0.63	TIME		23:48	MAX 0.97	TIME	08:17	GAGE	LOCATION Pas	scagoula Point
SIA	JE	MIN	0.00	TIME		00:00		TIME			DATUM ML	LW
WEATHER C	ONDITION	WEATHER Weather Caus	ed No Dela	ay			TEMP 78 °F / 95 °F	VISIBILITY 10 MI		WIND 10 MP	Н	
		DRAFT						DISTRIBUT	ION OF TIM	IE AND	MILES RUN	
	LIGHT		LOADED						AGITAT (MIN		DREDGE & HAUL (MIN)	MILES RUN (NAUT MI)
FORWARD		10				18	EFFECTIVE WORKING	TIME:				
AFT		12				17	PUMPING:			00:00	00:	0.0
DRAG DEPTH	MAX 0		MIN	0			TURNING:			00:00	00:	0.0
INDICATORS LA	AST CHECKED (ON 09/01/201	9				TO DUMP:			00:00	0.0	
		00,01,20					CONNECTING:			00:00	0.0	
AVERAGE SPEI	ED OF DREDGE	DURING	F	Γ/ΜΙΝ		0	DUMPING:			00:00	00:	
	ED OF DREDGE	DURING	F	Γ/ΜΙΝ		0	DISCONNECTING:			00:00	00:	
	UEL OIL CONSU	JMED		GAL		1,225	TO CUT: TOTALS:			00:00	00:	
GALLONS OF W	VATER CONSUM	MED		GAL		748	NON-EFFECTIVE WOR	KING TIME:		00:00	00:	0.0
	·	WORK PERFORM	ИED				TAKING ON FUEL AND			00:00	03:	36 0.0
	DREDGING A	ND HAULING			AGITA	ATING	TO AND FROM WHARF			00:00	09:	
NO.OF LOADS	TOTAL CYS	DISPOSA	AL AREA		TOTA	L CYS	ANCHORAGE: LOSS DUE TO NATURA	AL		00:00	00:	
							ELEMENTS: LOSS DUE TO TRAFFI BRIDGES	CAND		00:00	00:	00 0.0
							MINOR OPERATING RI	EPAIRS		00:00	10:	42 0.0
							TRANSFERRING BETV WORKS	VEEN		00:00	00:	0.0
		ATTENDANT PL	ΔNT				LAY TIME:			00:00	00:	0.0
ıT	ATTENDANT PLANT				HOURS	FIRE AND BOAT DRILL	S:		00:00	00:	0.0	
	ITEM NAME OR NUMBER H.P				24:00	MISCELLANEOUS			00:00	00:	0.0	
Crew Boat Cape Anne 400 2			24:00	TOTALS			00:00	24:	0.0			
					LOST TIME:							
					MAJOR REPAIRS AND ALTERNATIONS			00:00	00:	0.0		
							CESSATION:			00:00	00:	0.0
							COLLISIONS:			00:00	00:	0.0
							TOTALS:			00:00	00:	0.0
						TOTAL TIME/MILES:			00:00	24:	0.0	

		QUALITY C	ONTROL REPORT-H	IOPPER DI	REDGE	P	AGE NO.	Page 22 of 95
CONTRACT NO.01 W9127820F0140	CONTRACT 1	ΓITLE Dredge for Pascage		NTRACTOR tra Dredging		R	EPORT NO.	11
DREDGE	NAME AND T	YPE		3 3		0	OATE 07/03/2020	
QC NARRATIVE(S)	M/V Columbia	1					0170072020	
(0)								
CONTRACTOR CERTIF	CATION	On behalf of th	e contractor, I certify and work performed o	that this	Report is comple	ete and correct	and all equipm	ent and
		material used a	nd work performed of ifications, to the bes	during this at of my kn	Reporting perions owledge, except	od are in compl as noted abov	iance with the o	contract
QC REPRESENTATIVE	S SIGNATURE		DATE		UPERINTENDEN		DATE	

			QUA	LITY	CONTR	OL REPO	ORT-HOPPER DRED	GE		PA	GE NO.	Page 23 of 95
CQNTRACT NO W9127820F0		CONTRACT TI		Pasca	goula Hai	rbor	CONTRACTOR Dutra Dredging Co.			RE	PORT NO.	12
CHARACTER C		X MAINTEN			NEWV						TE 07/04/2020	12
REPORT	GE		PER CAP:			4387 CY	AVG VOL OF BIN WA	TER:	0 CY		JNFILLED CAP:	0 CY
M/V Co		NO. OF CF	REW		DREDG		OTHER PLANT	WORK SCI			S PER DAY	DAYS PER WEEK
101/ 0 00	nambia	MEMBER	RS		15	_	4	Worktool	ILDOLL	Orm 1	2	7
LOCATION		LOCATION CH	IANNEL	REAC	H DREDG	SED; STA	TO STA	DISPOSAL A	REA USE	QTY DI GROSS		JMULATIVE AND QTY DEPOSIT FOR DA(CY)
WOR	KK.	Pascagoula Har	bour	350+0	0 - 400+0	0	ı	ODMDS			23,715	252,960
		AVG LENGTH	OF CUT			5000 FT	AVG WIDTH OF CUT		400 FT	AVG DIST TO DUMP 4 N		
CHARAC		DENSITY OF M	ATERIALS	;					2.60	GMS/LI	TER	2.60
MATE	RIAL	DENSITY OF W	ATER						1.0060	GMS/LI	TER@	80 °F
RIVER/		MIN	0.02	TIME		20:00	MAX 2.42	TIME	09:00	GAGE I	LOCATION Pas	scagoula Point
STA	JE	MIN	0.00	TIME		00:00	MAX 0.00	TIME	00:00	GAGE I	DATUM ML	LW
WEATHER C	ONDITION	WEATHER Weather Caus	ed No Del	av			TEMP 78 °F / 95 °F	VISIBILITY 10 MI		WIND 10 MPI		
		DRAFT	704 140 Doi	шу			10 1 7 00 1	•	ION OF TIM		MILES RUN	
	LIGHT		LOADED						AGITA		DREDGE & HAUL (MIN)	MILES RUN (NAUT MI)
FORWARD	-	10				18	EFFECTIVE WORKING	TIME:	I (IVIII	N)	HAUL (MIN)	(NAOT WII)
AFT		12				17	PUMPING:			00:00	08	42 0.0
DRAG DEPTH	MAX 0		<u> </u>	1 0			TURNING:			00:00	00	13 0.0
							TO DUMP:			00:00	04	0.0
INDICATORS LA	AST CHECKED (ON 09/01/20 ⁻	19				CONNECTING:			00:00	0.0	
AVERAGE SPE	ED OF DREDGE	DURING	F	T/MIN		0	DUMPING:			00:00	01	19 0.0
LOADING AVERAGE SPE	ED OF DREDGE	DURING	F	T/MIN		0	DISCONNECTING:			00:00	00	0.0
AGITATING GALLONS OF F	UEL OIL CONSU	JMED		GAL			TO CUT:			00:00	04	28 0.0
GALLONS OF V	VATER CONSUM	ИED		GAL		1,813	TOTALS:			00:00	18	51 0.0
						561	NON-EFFECTIVE WOR	RKING TIME:			T	
		WORK PERFORI	MED	I			TAKING ON FUEL AND TO AND FROM WHAR			00:00	00	0.0
NO.OF LOADS	TOTAL CYS	AND HAULING	AL AREA			L CYS	ANCHORAGE: LOSS DUE TO NATUR			00:00	04	40 0.0
9	23,715	1	MDS)	ELEMENTS: LOSS DUE TO TRAFF			00:00	00	
							BRIDGES			00:00	00	
							MINOR OPERATING F			00:00	00	
							WORKS			00:00	00	
		ATTENDANT PL	ANT				LAY TIME:	1.0.		00:00	00	
IΤ	ЕМ	NAME OF	NAME OR NUMBER H.P. HOURS FIRE AND BOAT DRILLS:				LS:		00:00	00		
Crew	Boat	Cape	Anne		400	24:00	MISCELLANEOUS TOTALS			00:00	05	
							LOST TIME:			00.00	03	0.0
							MAJOR REPAIRS AND)		00:00	00	00 0.0
							ALTERNATIONS CESSATION:			00:00	00	
							COLLISIONS:			00:00	00	
							TOTALS:			00:00	00	
							TOTAL TIME/MILES:			00:00	24	00 0.0
<u> </u>			l	<u> </u>		I		<u> </u>				

		•	TY CONTROL REPORT-HOPPE		PAGE NO.	Page 24 of 9
QNTRACT NO W9127820F0 W9127820F0		CONTRACT TITLE IDIQ Hopper Dredge for Pas	CONTRA scagoula Harbor Dutra Dre		REPORT N	10. 11
DREDGE		NAME AND TYPE			DATE 07/04/20:	
		M/V Columbia	LOADS		01/05/20	20
LOAD NUMBER		DREDGING AREA DISPOSAL AREA	START TIME STOP TIME	PUMPING TURNING	TO DUMP DUMPING TO CUT	TOTAL TIME DREDGED AMOUN' AGITATED AMOUN'
	350+00-400+00	١	(HH:MM) 04:40	(MIN) 71	(MIN) 31	(MIN/CYS) 110
1	ODMDS	,	05:51	0	8 0	2,635 0
2	350+00-400+00 ODMDS)	06:30 07:38	68 0	30 8	136 2,635
					30	0
3	350+00-400+00 ODMDS)	08:46 09:54	68 0	31 23 27	149 2,635 0
	350+00-400+00	<u> </u>	11:15	62	31	151
4	ODMDS	1	12:22	5	8 45	2,635 0
5	350+00-400+00)	13:46	51	31	133
Č	ODMDS		14:41	4	8 39	2,635 0
6	350+00-400+00 ODMDS)	15:59 17:07	64 4	33 8	152 2,635
					43	0
7	350+00-400+00 ODMDS)	19:00 20:10	70 0	30 8 32	140 2,635 0
8	350+00-400+00	1	21:20	68	32	136
O	ODMDS	,	22:28	0	8 28	2,635 0
9	350+00-400+00 ODMDS)	23:36 23:36	0	0 0 24	24 2,635 0
QC NARRATI	¥ L(U)					
	OR CERTIFICAT					

QUALITY CONTROL							ORT-HOPPER DREDO	SE .		PA	GE NO.	Page 25 of 95
CONTRACT NO W9127820F0		CONTRACT TI		Pasca	goula Hai	rbor	CONTRACTOR Dutra Dredging Co.			RE	PORT NO.	13
CHARACTER O	F	X MAINTEN	NANCE] NEW V	VORK					ATE 07/05/2020	· · · · · · · · · · · · · · · · · · ·
DRED	GE	HOPF	PER CAP:			4387 CY	AVG VOL OF BIN WAT	ER:	0 CY	AVG l	JNFILLED CAP:	0 CY
M/V Co	lumbia	NO. OF CF MEMBEF			DREDG 15	E	OTHER PLANT	WORK SCI	HEDULE	SHIFT	S PER DAY	DAYS PER WEEK
LOCATION		LOCATION CH	.			GED; STA		DISPOSAL A	REA USE	QTY D	EPOSITED CL	MULATIVE AND QTY EPOSIT FOR DA(CY) 274,040
		AVG LENGTH		000 0		5000 FT	AVG WIDTH OF CUT	1	400 FT	AVG DIST TO DUMP 4		
CHARAC	TER OF	DENSITY OF MA	ATERIALS						2.60	GMS/LI	TER	2.60
MATER	RIAL	DENSITY OF W	ATER						1.0060	GMS/LI	TER@	80 °F
RIVER/		MIN	0.06	TIME		23:00	MAX 2.14	TIME	08:00	GAGE	LOCATION Pas	cagoula NOAA LAB
OTA		MIN	0.00	TIME		00:00		TIME			DATUM MLI	W
WEATHER C	ONDITION	WEATHER Weather Caus	sed No Dela	ay			TEMP 78 °F / 96 °F	VISIBILITY WIND °F 10 MI 10 MPH				
		DRAFT						DISTRIBUT	ION OF TIM	IE AND	MILES RUN	
	LIGHT		LOADED						AGITAT (MIN		DREDGE & HAUL (MIN)	MILES RUN (NAUT MI)
FORWARD		10				18	EFFECTIVE WORKING	TIME:				
AFT		12				17	PUMPING:			00:00	09:	0.0
DRAG DEPTH	MAX 0		MIN	0			TURNING:			00:00	00:	0.0
INDICATORS LA	AST CHECKED (ON 09/01/201	19				TO DUMP:			00:00	0.0	
							CONNECTING:			00:00	0.0	
AVERAGE SPEI	ED OF DREDGE	DURING	FT	T/MIN		0	DUMPING:			00:00	01:	
	ED OF DREDGE	DURING	FT	/MIN		0	DISCONNECTING:			00:00	00:	
	UEL OIL CONSU	JMED		GAL		2,081	TO CUT: TOTALS:			00:00	04:	
GALLONS OF W	VATER CONSUM	1ED		GAL		561	NON-EFFECTIVE WOR	KING TIME:		00:00	19:	27 0.0
	,	WORK PERFORM	ИED	I			TAKING ON FUEL AND			00:00	00:	0.0
	DREDGING A	ND HAULING			AGITA	ATING	TO AND FROM WHARF			00:00	00:	
NO.OF LOADS	TOTAL CYS 21,080	DISPOSA	AL AREA			L CYS	ANCHORAGE: LOSS DUE TO NATURA ELEMENTS:	AL		00:00	00:	0.0
3	21,000	ODI	VID3			<u> </u>	LOSS DUE TO TRAFFI BRIDGES	CAND		00:00	00:	0.0
							MINOR OPERATING RI	EPAIRS		00:00	04:	33 0.0
							TRANSFERRING BETV WORKS	VEEN		00:00	00:	0.0
		 ATTENDANT PL/	ANT				LAY TIME:			00:00	00:	0.0
IT		Γ			H.P.	HOURS	FIRE AND BOAT DRILL	S:		00:00	00:	0.0
			400	24:00	MISCELLANEOUS			00:00	00:	0.0		
Ciew	Crew Boat Cape Anne 400			24.00	TOTALS			00:00	04:	0.0		
					LOST TIME:							
					MAJOR REPAIRS AND ALTERNATIONS			00:00	00:	0.0		
							CESSATION:			00:00	00:	0.0
							COLLISIONS:			00:00	00:	0.0
							TOTALS:			00:00	00:	0.0
						TOTAL TIME/MILES:			00:00	24:	0.0	

		QUALITY C	ONTROL REPORT-HOPPER	DREDGE	PAGE NO.	Page 26 of 95
ОМТРАСТ № W9127820F0		CONTRACT TITLE IDIQ Hopper Dredge for Pascago	CONTRACTO Dula Harbor Dutra Dredgi		REPORT N	IO.
DREDGE		NAME AND TYPE M/V Columbia			DATE 07/05/20:	20
		W/V Columbia	LOADS			
LOAD NUMBER		DREDGING AREA DISPOSAL AREA	START TIME STOP TIME	PUMPING TURNING	TO DUMP DUMPING TO CUT	TOTAL TIME DREDGED AMOUNT AGITATED AMOUNT
1	350+00-400+00)	(HH:MM) 00:00	(MIN) 75	(MIN) 30	(MIN/CYS) 118
	ODMDS		01:15	0	8 5	2,635 0
2	350+00-400+00 ODMDS)	01:58 03:02	64 0	30 8	138 2,635
					36	0
3	350+00-400+00 ODMDS		04:16 05:24	68 0	31 13 37	149 2,635 0
4	350+00-400+00)	06:45	71	31	180
4	ODMDS		07:56	0	39 39	2,635 0
5	350+00-400+00)	09:45	61	33	145
	ODMDS		10:51	5	8 38	2,635 0
6	350+00-400+00 ODMDS		16:43 17:55	67 5	32 6	145 2,635
					35	0
7	350+00-400+00 ODMDS		19:08 20:15	63 4	31 8 32	138 2,635 0
8	350+00-400+00)	21:26	71	30	145
	ODMDS		22:37	0	8 36	2,635 0
9	350+00-400+00 ODMDS)	23:51 23:51	0 0	0 0 9	9 0
C NARRAT	···					

QUALITY CONTROL							PORT-HOPPER DREDGE				GE NO.	Page 27 of 95
CONTRACT NO W9127820F0		CONTRACT TI		Pasca	goula Hai	rbor	CONTRACTOR Dutra Dredging Co.			RE	PORT NO.	14
CHARACTER O)F	X MAINTEN	NANCE] NEW V	VORK					ATE 07/06/2020	
DRED	GE	HOPF	PER CAP:			4387 CY	AVG VOL OF BIN WAT	ER:	0 CY	AVG l	JNFILLED CAP:	0 CY
M/V Co	olumbia	NO. OF CF MEMBEF			DREDG 15	Ε	OTHER PLANT	WORK SCI	HEDULE	SHIFT	S PER DAY	DAYS PER WEEK
LOCATION		LOCATION CH				GED; STA		DISPOSAL A	REA USE	QTY D	EPOSITED CL	JMULATIVE AND QTY DEPOSIT FOR DA(CY) 300,390
		AVG LENGTH		000 0		5000 FT	AVG WIDTH OF CUT	I.	400 FT	AVG E	DIST TO DUMP	4 NM
CHARAC ⁻	TER OF	DENSITY OF MA	ATERIALS						2.60	GMS/LI	TER	2.60
MATER	RIAL	DENSITY OF W	ATER						1.0060	GMS/LI	TER@	80 °F
RIVER/		MIN	0.28	TIME		22:00	MAX 2.36	TIME	09:00	GAGE	LOCATION Pas	cagoula NOAA LAB
SIA	JE	MIN	0.00	TIME		00:00		TIME			DATUM ML	_W
WEATHER C	ONDITION	WEATHER Weather Caus	sed No Dela	ay			TEMP 78 °F / 96 °F	VISIBILITY WIND 10 MI 10 MPH				
		DRAFT						DISTRIBUT	ION OF TIM	IE AND	MILES RUN	
	LIGHT		LOADED						AGITAT (MIN		DREDGE & HAUL (MIN)	MILES RUN (NAUT MI)
FORWARD		10				18	EFFECTIVE WORKING	TIME:				•
AFT		12				17	PUMPING:			00:00	09:	16 0.0
DRAG DEPTH	MAX 0		MIN	0			TURNING:			00:00	00:	17 0.0
INDICATORS	ACT CLIFCKED	ON 00/04/004	10				TO DUMP:			00:00	36 0.0	
INDICATORS LA	AST CHECKED (ON 09/01/201	19				CONNECTING:			00:00	0.0	
	ED OF DREDGE	DURING	FT	Γ/ΜΙΝ		0	DUMPING:			00:00	01:	55 0.0
	ED OF DREDGE	DURING	F1	Γ/ΜΙΝ		0	DISCONNECTING:			00:00	00:	0.0
AGITATING GALLONS OF F	UEL OIL CONSU	JMED		GAL			TO CUT:			00:00	06:	27 0.0
GALLONS OF W	VATER CONSUM	ИED		GAL			TOTALS:			00:00	23:	31 0.0
						748	NON-EFFECTIVE WOR	KING TIME:			T	
		WORK PERFORM	MED				TAKING ON FUEL AND			00:00	00:	0.0
NO.OF LOADS	TOTAL CYS	AND HAULING	AL AREA			L CYS	TO AND FROM WHARF			00:00	00:	0.0
11	26,350	ODN				0	LOSS DUE TO NATURA			00:00	00:	0.0
							LOSS DUE TO TRAFFI BRIDGES	C AND		00:00	00:	29 0.0
							MINOR OPERATING RI			00:00	00:	
							WORKS	VLLIN		00:00	00:	
		ATTENDANT PL	ANT				LAY TIME:			00:00	00:	
IT	ЕМ	NAME OF	RNUMBER	2	H.P.	HOURS	FIRE AND BOAT DRILL	.S:		00:00	00:	
Crew	Crew Boat Cape Anne 400		400	24:00	MISCELLANEOUS			00:00	00:			
				TOTALS			00:00	00:	29 0.0			
				LOST TIME: MAJOR REPAIRS AND				T				
					ALTERNATIONS			00:00	00:			
							CESSATION:			00:00	00:	
							COLLISIONS:			00:00	00:	
							TOTALS:			00:00	00:	
						TOTAL TIME/MILES:			00:00	24:	0.0	

ONTRACTION	-		ONTROL REPORT-HOPPER		PAGE NO. Page 28 of 95		
W9127820F014		CONTRACT TITLE IDIQ Hopper Dredge for Pascagor	CONTRACTO ula Harbor Dutra Dredgio		REPORT N	IO. 14	
DREDGE		NAME AND TYPE M/V Columbia			DATE 07/06/202	20	
		IVI/V Columbia	LOADS				
LOAD NUMBER		DREDGING AREA DISPOSAL AREA	START TIME STOP TIME	PUMPING TURNING	TO DUMP DUMPING TO CUT	TOTAL TIME DREDGED AMOUNT AGITATED AMOUNT	
1	350+00-400+00	<u> </u>	(HH:MM) 00:00	(MIN) 34	(MIN) 31	(MIN/CYS) 101	
'	ODMDS		00:34	0	8 28	2,635 0	
2	350+00-400+00 ODMDS	i	01:41 02:47	66 0	31 8	142 2,635	
			21.00	22	37	0	
3	350+00-400+00 ODMDS		04:03 05:14	63 8	29 20 39	159 2,635 0	
4	350+00-400+00	ı	06:42	70	30	153	
4	ODMDS		07:52	0	8 45	2,635 0	
5	350+00-400+00	1	09:15	73	33	143	
	ODMDS		10:28	0	8 29	2,635 0	
O	350+00-400+00		11:38	50	32	125	
	ODMDS		12:32	4	8 31	2,635 0	
7	350+00-400+00	1	13:43	43	37	152	
	ODMDS		14:31	5	31 36	2,635 0	
8	350+00-400+00	i	16:15	34	41	125	
	ODMDS		16:49	0	8 42	2,635 0	
9	350+00-400+00	ı	18:49	58	37	140	
	ODMDS		19:47	0	8 37	2,635 0	
10	350+00-400+00	ı	21:09	65	35	145	
	ODMDS		22:14	0	8 37	2,635 0	
11	350+00-400+00	<u> </u>	23:34	0	0	26	
	ODMDS		23:34	0	0 26	0	
C NARRATIV	E(S)						
ONTRACTOR	R CERTIFICAT	material used ar	e contractor, I certify that thi nd work performed during tl	his Reporting period a	are in compliance wi	equipment and the contract	
		nlane and enoci	fications, to the best of my	knowledge except as	noted above		

QUALITY CONTROL							ORT-HOPPER DREDO	GE		PA	AGE NO.	Page 29 of 95
CQNTRACT NO W9127820F0		CONTRACT TI		Pasca	goula Hai	bor	CONTRACTOR Dutra Dredging Co.			RE	PORT NO.	15
CHARACTER C)F	X MAINTEN	NANCE		NEW V	VORK					ATE 07/07/2020	
DRED)GE	HOPF	PER CAP:			4387 CY	AVG VOL OF BIN WAT	ER:	0 CY	AVG I	UNFILLED CAP:	0 CY
M/V Co	olumbia	NO. OF CF MEMBER			DREDG	E	OTHER PLANT	WORK SC	HEDULE	SHIFT	TS PER DAY	DAYS PER WEEK
LOCATI WOI		LOCATION CH				GED; STA		DISPOSAL A	REA USE	QTY D GROS	EPOSITED CL	MULATIVE AND QTY EPOSIT FOR DA(CY) 324,105
		AVG LENGTH	OF CUT			5000 FT	AVG WIDTH OF CUT 400 FT			AVG [DIST TO DUMP	4 NM
CHARAC MATE		DENSITY OF M	ATERIALS						2.60	GMS/L	ITER	2.60
MATE	RIAL	DENSITY OF W	ATER						1.0060	GMS/L	ITER@	80 °F
RIVER/ STA		MIN	0.07	TIME		23:00	MAX 1.97	TIME	13:00	GAGE	LOCATION Pas	cagoula NOAA LAB
OIA.	<u> </u>	MIN	0.00	TIME		00:00		TIME			DATUM MLI	W
WEATHER C	ONDITION	WEATHER Weather Caus	ed No Dela	av			TEMP 72 °F / 93 °F	VISIBILITY 10 MI		WIND 15 MP	н	
		DRAFT	ocu No Deli	ч			72 1 7 30 1	•	ION OF TIM		MILES RUN	
	LIGHT		LOADED						AGITAT (MIN		DREDGE & HAUL (MIN)	MILES RUN (NAUT MI)
FORWARD		10				18	EFFECTIVE WORKING	TIME:		• /		(1.1.0.1.111)
AFT		12				17	PUMPING:			00:00	09:	42 0.0
DRAG DEPTH	MAX 0		<u> </u>	0			TURNING:			00:00	00:	11 0.0
							TO DUMP:			00:00	06:	0.0
INDICATORS L	AST CHECKED (ON 09/01/20 ⁻	19				CONNECTING:			00:00	00:	0.0
AVERAGE SPE	ED OF DREDGE	DURING	F1	Γ/MIN		0	DUMPING:			00:00	01::	27 0.0
LOADING AVERAGE SPE	ED OF DREDGE	DURING	F1	Γ/ΜΙΝ			DISCONNECTING:			00:00	00:	0.0
AGITATING	UEL OIL CONSU	IMED		GAL		0	TO CUT:			00:00	06:	0.0
	VATER CONSUM			GAL		2,277	TOTALS:			00:00	24:	0.0
GALLEGING OF V	WATER CONCOR			O/ (L		748	NON-EFFECTIVE WOR	RKING TIME:				
		WORK PERFORI	MED				TAKING ON FUEL AND			00:00	00:	0.0
NO OF LOADS		AND HAULING				ATING	TO AND FROM WHAR! ANCHORAGE:			00:00	00:	0.0
NO.OF LOADS 10	TOTAL CYS 23,715	1	AL AREA MDS			L CYS)	LOSS DUE TO NATUR. ELEMENTS:			00:00	00:	0.0
							LOSS DUE TO TRAFFI BRIDGES	C AND		00:00	00:	0.0
							MINOR OPERATING R			00:00	00:	0.0
							TRANSFERRING BETV WORKS	VEEN		00:00	00:	0.0
		ATTENDANT PL	ANT				LAY TIME:			00:00	00:	0.0
IT	EM	NAME OF	R NUMBER	R	H.P.	HOURS	FIRE AND BOAT DRILL	.S:		00:00	00:	0.0
Crew	Boat	Cape	Anne		400	24:00	MISCELLANEOUS			00:00	00:	0.0
		·					TOTALS			00:00	00:	0.0
							LOST TIME:				T	
							MAJOR REPAIRS AND ALTERNATIONS			00:00	00:	0.0
							CESSATION:			00:00	00:	
							COLLISIONS:			00:00	00:	
							TOTALS:			00:00	00:	
							TOTAL TIME/MILES:		00:00	24:	0.0	

		QUALIT	Y CONTROL REPORT-HOPPER	DREDGE	PAGE NO.	Page 30 of 95
ONTRACT NO W912782010 W9127820F0		CONTRACT TITLE IDIQ Hopper Dredge for Pasc	CONTRACT agoula Harbor Dutra Dredgi		REPORT N	
DREDGE		NAME AND TYPE			DATE 07/07/20	
		M/V Columbia	LOADS		07/07/20	20
LOAD NUMBER		DREDGING AREA DISPOSAL AREA	START TIME STOP TIME	PUMPING TURNING	TO DUMP DUMPING TO CUT	TOTAL TIME DREDGED AMOUNT AGITATED AMOUNT
1	350+00-400+00)	(HH:MM) 00:00	(MIN) 59	(MIN) 36	(MIN/CYS) 119
•	ODMDS		00:59	0	8 16	2,635 0
2	350+00-400+00)	01:59	84	38	171
	ODMDS		03:34	11	8 30	2,635 0
3	350+00-400+00)	04:50	61	37	165
3	ODMDS		05:51	0	10	2,635
	350+00-400+00	<u> </u>	07:35	57	57 36	0 144
4	ODMDS	J	08:32	0	8	2,635
					43	0
5	350+00-400+00)	09:59 10:58	59 0	38 8	138 2,635
	ODMDS		10.56	O O	33	0
6	350+00-400+00)	12:17	61	37	146
	ODMDS		13:18	0	8 40	2,635 0
7	350+00-400+00)	14:43	52	41	143
,	ODMDS		15:35	0	8	2,635
	350+00-400+00	2	17:06	38	42 36	135
8	0DMDS	J	17:06	0	20	2,635
					41	0
9	350+00-400+00)	19:21 20:06	45 0	32 4	121 2,635
	ODMDS		20.00	Ů	40	0
10	350+00-400+00)	21:22	66	35	158
	ODMDS		22:28	0	5 52	0
C NARRAT	IVE(S)					
ONTRACTO	DR CERTIFICA		the contractor, I certify that th	is Report is complete	and correct and all e	equipment and
		material use	d and work performed during to be cifications, to the best of my	his Reporting period a knowledge, except as	are in compliance wi noted above.	th the contract

QUALITY CONTROL							PORT-HOPPER DREDGE				GE NO.	Page 31 of 95
CONTRACT NO W9127820F0		CONTRACT TI		Pasca	goula Hai	rbor	CONTRACTOR Dutra Dredging Co.			RE	PORT NO.	16
CHARACTER O	F	X MAINTEN	NANCE] NEW V	VORK					TE 07/08/2020	· · · · · · · · · · · · · · · · · · ·
DRED	GE	HOPF	PER CAP:			4387 CY	AVG VOL OF BIN WAT	ER:	0 CY	AVG l	JNFILLED CAP:	0 CY
M/V Co	lumbia	NO. OF CF MEMBER			DREDG 15	E	OTHER PLANT	WORK SCHEDULE		SHIFT	S PER DAY	DAYS PER WEEK
LOCATION		LOCATION CH	.			GED; STA		DISPOSAL A	REA USE	QTY D	EPOSITED CU	MULATIVE AND QTY EPOSIT FOR DA(CY) 350,455
		AVG LENGTH	•			5000 FT	AVG WIDTH OF CUT	1	400 FT	AVG E	DIST TO DUMP	2 NM
CHARAC ⁻	TER OF	DENSITY OF M	ATERIALS						2.60	GMS/LI	TER	2.60
MATER	RIAL	DENSITY OF W	ATER						1.0060	GMS/LI	TER@	84 °F
RIVER/		MIN	0.13	TIME		00:00	MAX 1.85	TIME	11:00	GAGE	LOCATION Pas	cagoula NOAA LAB
OTA:		MIN	0.00	TIME		00:00		TIME			DATUM MLL	W
WEATHER C	ONDITION	WEATHER Weather Caus	sed No Dela	ay			TEMP 72 °F / 93 °F	VISIBILITY WIND F 10 MI 15 MPH				
		DRAFT						DISTRIBUT	ION OF TIM	IE AND	MILES RUN	
	LIGHT		LOADED						AGITAT (MIN		DREDGE & HAUL (MIN)	MILES RUN (NAUT MI)
FORWARD		10				18	EFFECTIVE WORKING	TIME:				
AFT		12				17	PUMPING:			00:00	10:	0.0
DRAG DEPTH	MAX 0		MIN	0			TURNING:			00:00	00:	0.0
INDICATORS	NOT OUTOKED	ON 00/04/004	10				TO DUMP:			00:00	05:2	0.0
INDICATORS LA	AST CHECKED (ON 09/01/201	19				CONNECTING:			00:00	0.0	
AVERAGE SPE	ED OF DREDGE	DURING	F	T/MIN		0	DUMPING:			00:00	01:	0.0
	ED OF DREDGE	DURING	F	T/MIN		0	DISCONNECTING:			00:00	00:0	0.0
AGITATING GALLONS OF F	UEL OIL CONSU	JMED		GAL			TO CUT:			00:00	05:	
GALLONS OF W	VATER CONSUM	ИED		GAL			TOTALS:			00:00	23:	0.0
						935	NON-EFFECTIVE WOR	KING TIME:			T	
		WORK PERFORI	MED				TAKING ON FUEL AND			00:00	00:0	0.0
NO.OF LOADS	TOTAL CYS	AND HAULING	AL AREA			L CYS	TO AND FROM WHARF			00:00	00:0	0.0
11	26,350	ODN				0	LOSS DUE TO NATURA			00:00	00:0	0.0
							LOSS DUE TO TRAFFI BRIDGES	J AND		00:00	00:0	0.0
							MINOR OPERATING RI			00:00	00:0	
							WORKS	VEEN		00:00	00:0	
		ATTENDANT PL	ANT				LAY TIME:			00:00	00:0	
IT	ЕМ	NAME OF	RNUMBER	R	H.P.	HOURS	FIRE AND BOAT DRILL	S:		00:00	00:0	
Crew	Crew Boat Cape Anne 400		400	24:00	MISCELLANEOUS			00:00	00:2			
				TOTALS			00:00	00:2	23 0.0			
				LOST TIME: MAJOR REPAIRS AND				<u> </u>				
					ALTERNATIONS			00:00	00:0			
							CESSATION:			00:00	00:0	
							COLLISIONS:			00:00	00:0	
							TOTALS:			00:00	00:0	
						TOTAL TIME/MILES:			00:00	24:0	0.0	

W9127820F0140 IDIQ Hopper Dredge for Pascagoula Harbor Dutra Dredging Co. DREDGE NAME AND TYPE M/V Columbia LOADS LOAD NUMBER DREDGING AREA DISPOSAL AREA STOP TIME TURNING DUMPING DUMPING DREDGED AMOU	DREDGE NAME AND TYPE NAME AND TYPE NAME AND TYPE TOTAL TIME TURNING TUR				ONTROL REPORT-HOPPER	DREDGE	PAGE NO.	Page 32 of 9
DREDGE M/V Columbia TOTOLUMP TOTOLU	DREDGE M/V Columbia TOTOR/2020			CONTRACT TITLE IDIQ Hopper Dredge for Pascago			REPORT N	IO. 1
LOADS COMPAND COMPAN	LOADS CADD CADD	DREDGE					DATE 07/08/20	20
NUMBER DISPOSAL AREA (HH.MM) (MIN) (NUMBER DISPOSAL AREA STOP TIME (HHMM) TURNING (MIN) DUMPING TO CUT (MIN) DREDGED AMOUIT (MIN) 1 350+00-400+00 00:00 0 0 3 2,635 2 350+00-400+00 00:03 70 36 152 0 3 350+00-400+00 02:35 67 35 146 8 2,635 4 350+00-400+00 05:01 67 35 146 8 2,635 5 350+00-400+00 05:01 67 30 149 9 6 350+00-400+00 05:01 67 30 149 9 5 350+00-400+00 07:30 81 35 177 0 15 2,635 177 15 2,635 177 0 0 17 0			M/V Columbia	LOADS		111111111	
1 350+00-400+00 ODMDS OD 0 OD 0 ODMDS OD 0 ODMDS OD 0 ODMDS OD 0 OD 0 ODMDS OD 0 ODMDS OD 0 ODMDS OD 0 ODMDS OD 0 OD 0 OD 0 ODMDS OD 0 OD 0 OD 0 ODMDS OD 0 OD	1 350+00-400+00				STOP TIME	TURNING	DUMPING TO CUT	DREDGED AMOUNT AGITATED AMOUNT
ODMDS	ODMDS	1	350+00-400+00	0		. ,	, ,	' '
ODMDS	ODMDS	·	ODMDS		00:00	0		· ·
3 350+00-400+00	3 350+00-400+00	2		0			8	2,635
ODMDS 03:48 6 8 2,635 4 350+00-400+00 05:01 67 30 149 ODMDS 06:15 7 15 2,635 30 0 0 0 5 350+00-400+00 07:30 81 35 177 ODMDS 08:51 0 24 2,635 37 0 37 0 0 6 350+00-400+00 10:27 73 38 156 ODMDS 11:40 0 8 2,635 37 0 37 0 7 350+00-400+00 13:03 47 41 129 0DMDS 15:12 36 38 119 0DMDS 15:48 0 8 2,635 37 0 8 2,635 37 0 8 2,635 37 0 8 2,635 37 0 8 <td>ODMDS 03:48 6 8 2,635 4 350+00-400+00 05:01 67 30 149 ODMDS 06:15 7 15 2,635 30 0 0 0 5 350+00-400+00 07:30 81 35 177 ODMDS 08:51 0 24 2,635 37 0 6 350+00-400+00 10:27 73 38 156 ODMDS 11:40 0 8 2,635 7 350+00-400+00 13:03 47 41 129 0DMDS 13:54 4 8 2,635 29 0 8 2,635 37 0 0 8 2,635 29 0 0 8 2,635 29 0 0 8 2,635 37 0 0 8 2,635 37 0 0 8</td> <td>•</td> <td>350+00-400+0</td> <td>0</td> <td>02:35</td> <td>67</td> <td></td> <td></td>	ODMDS 03:48 6 8 2,635 4 350+00-400+00 05:01 67 30 149 ODMDS 06:15 7 15 2,635 30 0 0 0 5 350+00-400+00 07:30 81 35 177 ODMDS 08:51 0 24 2,635 37 0 6 350+00-400+00 10:27 73 38 156 ODMDS 11:40 0 8 2,635 7 350+00-400+00 13:03 47 41 129 0DMDS 13:54 4 8 2,635 29 0 8 2,635 37 0 0 8 2,635 29 0 0 8 2,635 29 0 0 8 2,635 37 0 0 8 2,635 37 0 0 8	•	350+00-400+0	0	02:35	67		
ODMDS ODMDS OF STATE	ODMDS ODMDS OBS: 06:15 7 15 2,635 30 0 0 5 350+00-400+00 ODMDS 08:51 0 350+00-400+00 ODMDS 10:27 73 38 156 ODMDS 11:40 0 88 2,635 37 0 7 350+00-400+00 13:03 47 41 129 ODMDS 13:54 4 8 2,635 29 0 0 8 350+00-400+00 15:12 36 38 119 ODMDS 15:48 0 8 2,635 37 0 9 350+00-400+00 15:48 0 0 0 0 0 0 10:27 73 38 156 2,635 37 0 129 0 0 11:40 0 0 0 0 0 0 0 0 0 0 0 0	3					8	2,635
SOME	SONIDS 350+00-400+00 07:30 81 35 177 00 00 00 00 00 00 0	4	350+00-400+00	0	05:01			
ODMDS 08:51 0 24 24 37 2,635 0 6 350+00-400+00 ODMDS 10:27 73 38 38 156 2,635 37 0 38 2,635 37 0 156 2,635 37 0 7 350+00-400+00 ODMDS 13:03 47 41 129 48 2,635 29 0 4 8 2,635 29 0 29 0 8 350+00-400+00 ODMDS 15:12 36 36 38 119 0 38 2,635 37 0 37 0 9 350+00-400+00 ODMDS 17:11 32 38 38 112 0 38 2,635 34 0 10 350+00-400+00 ODMDS 17:43 0 8 8 2,635 34 0 10 350+00-400+00 ODMDS 19:03 66 34 150 0 11 350+00-400+00 ODMDS 20:17 8 8 8 8 2,635 34 0 11 350+00-400+00 ODMDS 21:56 79 0 0 124 00 0 11 350+00-400+00 ODMDS 21:56 79 0 0 0	ODMDS 08:51 0 24 37 2,635 0 6 350+00-400+00 10:27 73 38 156 ODMDS 11:40 0 8 2,635 37 0 37 0 7 350+00-400+00 13:54 4 8 2,635 29 0 0 8 2,635 29 0 8 350+00-400+00 15:12 36 38 119 ODMDS 15:48 0 8 2,635 37 0 8 2,635 37 0 8 2,635 37 0 8 2,635 37 0 8 2,635 37 0 8 2,635 37 0 8 2,635 37 0 8 2,635 34 0 8 2,635 34 0 34 150 0DMDS 20:						30	0
ODMDS 11:40 0 8 37 2,635 0 7 350+00-400+00 ODMDS 13:03 47 41 129 0 8 350+00-400+00 ODMDS 15:12 36 38 29 38 119 0 9 350+00-400+00 ODMDS 15:48 0 8 2,635 37 0 37 0 0 9 350+00-400+00 ODMDS 17:11 32 38 112 0 8 2,635 34 0 10 350+00-400+00 ODMDS 19:03 66 34 150 0 10 350+00-400+00 ODMDS 20:17 8 8 8 8 2,635 34 0 11 350+00-400+00 ODMDS 21:56 79 0 124 0 11 350+00-400+00 ODMDS 21:56 79 0 0 124 0 0 0DMDS 23:22 7 0 0 0	ODMDS 11:40 0 8 37 0 2,635 0 7 350+00-400+00 ODMDS 13:03 47 41 41 129 0 44 8 2,635 29 0 2,635 29 0 8 350+00-400+00 ODMDS 15:12 36 36 38 119 0 38 2,635 37 0 9 350+00-400+00 ODMDS 17:11 32 38 38 112 0 37 0 0 10 350+00-400+00 ODMDS 17:43 0 8 8 2,635 34 0 2,635 34 0 10 350+00-400+00 ODMDS 19:03 66 34 8 8 2,635 34 0 8 8 2,635 34 0 11 350+00-400+00 ODMDS 20:17 8 8 8 8 2,635 34 0 8 8 2,635 34 0 11 350+00-400+00 ODMDS 21:56 79 0 0 124 0 0 0DMDS 23:22 7 0 0 0 0	5		0			24	2,635
ODMDS 11:40 0 8 2,635 7 350+00-400+00 13:03 47 41 129 ODMDS 13:54 4 8 2,635 29 0 8 350+00-400+00 15:12 36 38 119 ODMDS 15:48 0 8 2,635 37 0 9 350+00-400+00 17:41 32 38 112 ODMDS 17:43 0 8 2,635 34 0 10 350+00-400+00 19:03 66 34 150 ODMDS 20:17 8 8 2,635 34 0 11 350+00-400+00 21:56 79 0 124 ODMDS 23:22 7 0 0	ODMDS 11:40 0 8 37 2,635 0 7 350+00-400+00 ODMDS 13:03 47 41 129 0 8 350+00-400+00 ODMDS 15:12 36 36 38 119 00 8 2,635 37 00 9 350+00-400+00 ODMDS 17:11 32 38 38 112 00 8 2,635 37 00 10 350+00-400+00 ODMDS 17:43 0 8 2,635 34 00 10 350+00-400+00 ODMDS 19:03 66 34 8 2,635 34 00 11 350+00-400+00 ODMDS 20:17 8 8 8 8 2,635 34 00 11 350+00-400+00 ODMDS 21:56 79 0 0 124 00 00 0DMDS 23:22 7 0 0 0	6	350+00-400+00	0	10:27	73	38	156
ODMDS 13:54 4 8 2,635 29 0 8 350+00-400+00 15:12 36 38 119 ODMDS 15:48 0 8 2,635 37 0 8 2,635 37 0 8 2,635 37 0 8 2,635 34 0 0 8 2,635 34 0 0 0 0 0 10 350+00-400+00 19:03 66 34 150 ODMDS 20:17 8 8 2,635 34 0 0 0 0 11 350+00-400+00 21:56 79 0 124 ODMDS 23:22 7 0 0 0	ODMDS 13:54 4 8 29 2,635 0 8 350+00-400+00 ODMDS 15:12 36 38 38 119 0 38 2,635 37 0 9 350+00-400+00 ODMDS 17:11 32 38 2 38 112 0 38 2,635 34 0 10 350+00-400+00 ODMDS 19:03 66 34 150 0 34 00 0 11 350+00-400+00 ODMDS 20:17 8 8 8 2,635 34 0 34 0 0 11 350+00-400+00 ODMDS 21:56 79 0 0 124 00 0 0 0 0 0 0 11 350+00-400+00 ODMDS 23:22 7 0 0 0 0 0 0 0 0	Ü	ODMDS		11:40	0		
8 350+00-400+00	8 350+00-400+00	7	350+00-400+00	0				
ODMDS 15:48 0 8 2,635 0 9 350+00-400+00 0DMDS 17:11 32 38 112 0DMDS 17:43 0 8 2,635 34 0 10 350+00-400+00 0DMDS 19:03 66 34 150 0DMDS 20:17 8 8 8 8 2,635 34 0 11 350+00-400+00 0DMDS 21:56 79 0 0DMDS 7 0 0 0DMDS 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	ODMDS 15:48 0 8 2,635 37 0 9 350+00-400+00 ODMDS 17:11 32 38 112 ODMDS 17:43 0 8 2,635 34 0 10 350+00-400+00 ODMDS 19:03 66 34 150 ODMDS 11 350+00-400+00 ODMDS 20:17 8 8 8 2,635 34 0 11 350+00-400+00 ODMDS 21:56 79 ODMDS 79 ODMDS 124 ODMDS						29	0
ODMDS 17:43 0 8 2,635 0 10 350+00-400+00 ODMDS 19:03 20:17 8 8 8 2,635 34 150 2,635 34 0 11 350+00-400+00 ODMDS 21:56 79 ODMDS 7	ODMDS 17:43 0 8 2,635 34 0 10 350+00-400+00 ODMDS 19:03 66 34 150 20:17 8 8 8 2,635 34 0 11 350+00-400+00 ODMDS 21:56 79 0 0DMDS 79 0 124 ODMDS 23:22 7 0 38 0	8		0			8	2,635
10 350+00-400+00 19:03 66 34 150 ODMDS 20:17 8 8 8 2,635 34 0 11 350+00-400+00 21:56 79 0 124 ODMDS 23:22 7 0 0 0 38 0	10 350+00-400+00 19:03 66 34 150 ODMDS 20:17 8 8 8 2,635 34 0 111 350+00-400+00 21:56 79 0 124 ODMDS 23:22 7 0 0 0 38 0 0	9		0			8	2,635
ODMDS 20:17 8 8 8 2,635 34 0 11 350+00-400+00 ODMDS 21:56 79 0 124 23:22 7 0 38 0	ODMDS 20:17 8 8 8 2,635 34 0 11 350+00-400+00 ODMDS 21:56 79 0 124 23:22 7 0 38 0		250+00 400+0	n	10:02	66		
ODMDS 23:22 7 0 0 0 38 0	ODMDS 23:22 7 0 0 0 38 0	10		U			8	2,635
ODMDS 23:22 7 0 0 0 38 0	ODMDS 23:22 7 0 0 0 38 0	11	350+00-400+00	0	21:56	79	0	124
IC NARRATIVE(S)	QC NARRATIVE(S)		ODMDS		23:22	7		
		C NARRAT	IVE(S)		'			
		ONTRACTO	OR CERTIFICA		e contractor, I certify that th	is Report is complete	and correct and all e	equipment and
ONTRACTOR CERTIFICATION On behalf of the contractor, I certify that this Report is complete and correct and all equipment and				material used a	and work performed during t	his Reporting period a	re in compliance wi	th the contract
ONTRACTOR 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.	material used and work performed during this Reporting period are in compliance with the contract		ENTATIVE'S SI	-	DATE	SUPERINTENDENT'S		

			QUA	LITY	CONTR	OL REPO	ORT-HOPPER DREDG	SE .		PA	GE NO.	Page 33 of 95
CONTRACT NO W9127820F0		CONTRACT TI		Pasca	goula Hai	rbor	CONTRACTOR Dutra Dredging Co.			RE	PORT NO.	17
CHARACTER O	F	X MAINTEN	NANCE		NEW V	VORK					TE 07/09/2020	
DRED	GE	HOPF	PER CAP:			4387 CY	AVG VOL OF BIN WAT	ER:	0 CY	AVG l	JNFILLED CAP:	0 CY
M/V Co	lumbia	NO. OF CF MEMBEF			DREDG 15	Έ	OTHER PLANT	WORK SCI	HEDULE	SHIFTS PER DAY DAYS PER V		DAYS PER WEEK
LOCATION		LOCATION CH	.			GED; STA		DISPOSAL A	REA USE	QTY D	EPOSITED CU	MULATIVE AND QTY EPOSIT FOR DA(CY) 371,535
		AVG LENGTH	•			5000 FT	AVG WIDTH OF CUT	1	400 FT	AVG E	DIST TO DUMP	2 NM
CHARAC	TER OF	DENSITY OF MA	ATERIALS				2.60 GN			GMS/LI	TER	2.60
MATER	RIAL	DENSITY OF W	ATER						1.0060	GMS/LI	TER@	84 °F
RIVER/		MIN	0.90	TIME		01:00	MAX 1.65	TIME	12:00	GAGE	LOCATION Pas	cagoula NOAA LAB
OTA		MIN	0.00	TIME		00:00		0.00 TIME 00:00			DATUM MLL	W
WEATHER C	ONDITION	WEATHER Weather Caus	sed No Dela	ay			TEMP 72 °F / 93 °F	VISIBILITY 10 MI		WIND 15 MP	Н	
		DRAFT						DISTRIBUT	ION OF TIM	IE AND	MILES RUN	
	LIGHT		LOADED						AGITAT (MIN		DREDGE & HAUL (MIN)	MILES RUN (NAUT MI)
FORWARD		10				18	EFFECTIVE WORKING	TIME:				
AFT		12				17	PUMPING:			00:00	08:2	21 0.0
DRAG DEPTH	MAX 0		MIN	0			TURNING:			00:00	00:	0.0
INDICATORS	NOT OUTOKED	ON 00/04/004	10				TO DUMP:			00:00	04:	0.0
INDICATORS LA	AST CHECKED (ON 09/01/201	19				CONNECTING:			00:00	00:0	0.0
AVERAGE SPE	ED OF DREDGE	DURING	F	T/MIN		0	DUMPING:			00:00	01:3	0.0
	ED OF DREDGE	DURING	F	T/MIN		0	DISCONNECTING:			00:00	00:0	0.0
AGITATING GALLONS OF F	UEL OIL CONSU	JMED		GAL			TO CUT:			00:00	04:	
GALLONS OF W	VATER CONSUM	ИED		GAL			TOTALS:			00:00	20:0	0.0
						748	NON-EFFECTIVE WOR	KING TIME:			T	
		WORK PERFORM	MED				TAKING ON FUEL AND			00:00	00:0	0.0
NO.OF LOADS	TOTAL CYS	AND HAULING	AL AREA			L CYS	TO AND FROM WHARF			00:00	00:0	0.0
9	21,080	ODN				0	LOSS DUE TO NATURA			00:00	00:0	0.0
							LOSS DUE TO TRAFFIOR BRIDGES	J AND		00:00	00:	0.0
							MINOR OPERATING RI			00:00	03:2	
							WORKS	VEEN		00:00	00:0	
		ATTENDANT PL	ANT				LAY TIME:			00:00	00:0	
IT	ЕМ	NAME OF	RNUMBER	2	H.P.	HOURS	FIRE AND BOAT DRILL	S:		00:00	00:0	
Crew	Boat	Cape	Anne		400	24:00	MISCELLANEOUS			00:00	00:0	
							TOTALS			00:00	03:3	0.0
							LOST TIME: MAJOR REPAIRS AND				<u> </u>	
							ALTERNATIONS			00:00	00:0	
							CESSATION:			00:00	00:0	
							COLLISIONS:			00:00	00:0	
							TOTALS:			00:00	00:0	
							TOTAL TIME/MILES:			00:00	24:0	0.0

		QUALITY CO	ONTROL REPORT-HOPPER	DREDGE	PAGE NO.	Page 34 of 95
ONTRACT NO W9127820F0		CONTRACT TITLE IDIQ Hopper Dredge for Pascago	CONTRACTO ula Harbor Dutra Dredgio		REPORT N	IO. 17
DREDGE		NAME AND TYPE M/V Columbia			DATE 07/09/20:	20
		W V Columbia	LOADS			
LOAD NUMBER		DREDGING AREA DISPOSAL AREA	START TIME STOP TIME	PUMPING TURNING	TO DUMP DUMPING TO CUT	TOTAL TIME DREDGED AMOUNT AGITATED AMOUNT
1	350+00-400+00)	(HH:MM) 00:00	(MIN) 7	(MIN) 31	(MIN/CYS) 46
•	ODMDS		00:07	0	8 0	2,635 0
2	350+00-400+00)	00:46	64	32	154
	ODMDS		01:56	6	11 41	2,635 0
3	350+00-400+00)	03:20	60	35	153
3	ODMDS		04:28	8	12 38	2,635 0
4	350+00-400+00)	05:53	65	35	147
	ODMDS		07:06	8	11 28	2,635 0
5	350+00-400+00)	08:30	85	47	182
	ODMDS		10:03	8	12 30	2,635 0
6	350+00-400+00)	11:32	79	37	186
	ODMDS		12:57	6	15 49	2,635 0
7	350+00-400+00)	14:38	60	37	154
	ODMDS		15:46	8	14 35	2,635 0
8	350+00-400+00)	17:12	76	39	168
	ODMDS		18:36	8	10 35	2,635 0
9	350+00-400+00)	23:20	5	0	40
	ODMDS		23:25	0	0 35	0
ONTRACTO	OR CERTIFICAT	FION On behalf of the	e contractor, I certify that thi	is Report is complete	and correct and all e	equipment and

			QUA	ALITY	CONTR	OL REPO	ORT-HOPPER DRED	GE		PA	GE NO.		Page 35 of 95
CQNTRACT NO W9127820F0		CONTRACT TI		Pasca	goula Hai	rbor	CONTRACTOR Dutra Dredging Co.			RE	PORT NO.		18
CHARACTER O	F	X MAINTEN			NEWV						TE 07/10/2020		
DRED	GE	HOPF	PER CAP:			4387 CY	AVG VOL OF BIN WA	TER:	0 CY		JNFILLED CAP:	:	0 CY
M/V Co	lumbia	NO. OF CF MEMBER			DREDG	E	OTHER PLANT	WORK SCI	HEDULE	SHIFT	S PER DAY	DAY	S PER WEEK
		IVIEIVIDE	10		15		4	DICPOCAL	DEALIGE	077/17	2		7
LOCATION WOR		LOCATION CH				SED; STA	TO STA	DISPOSAL A	REA USE	GROSS	S(CY)		ATIVE AND QTY SIT FOR DA(CY)
		Pascagoula Har		350+0	<u>0 - 400+0</u>	0 5000 FT	AVG WIDTH OF CUT	ODMDS	400 FT	AVG D	27,213 DIST TO DUMP		398,748 2 NM
				,			AVG WIBTIT OF COT						2.60
CHARAC [*] MATER		DENSITY OF M)									
		DENSITY OF W	ATER					T	1.0060	GMS/LI	TER@		84 °F
RIVER/ STAG		MIN	0.90 TIME		01:00	MAX 1.65	TIME	12:00	GAGE I	LOCATION Pa	Pascagoula NOAA LAB		
SIA	JE	MIN	0.00	TIME		00:00	MAX 0.00 TIME 00:00		GAGE I	DATUM ML	LW		
WEATHER C	ONDITION	WEATHER Weather Caus	sed No Del	ay			TEMP 80 °F / 95 °F	VISIBILITY 10 MI		WIND 10/SE	MPH		
		DRAFT						DISTRIBUT	ION OF TIM	/IE AND	MILES RUN		
	LIGHT		LOADED						AGITA (MIN		DREDGE 8 HAUL (MIN		MILES RUN (NAUT MI)
FORWARD		10				18	EFFECTIVE WORKING	S TIME:	1 (14111	•)	1 1 10 E (WIII V	<i>,</i>	(rever wii)
AFT		12				17	PUMPING:			00:00	09	9:27	0.0
DRAG DEPTH	MAX 0		MIN	0			TURNING:			00:00	01	1:00	0.0
INDICATORS I	AST CHECKED (ON 09/01/20 ⁻	10				TO DUMP:			00:00	05	5:40	0.0
INDICATORS LA	451 CHECKED (JN 09/01/20	19				CONNECTING:			00:00	00	0:00	0.0
AVERAGE SPE	ED OF DREDGE	DURING	F	T/MIN		0	DUMPING:			00:00	01	1:56	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		1,686	TO CUT:			00:00		5:28	0.0
GALLONS OF W	VATER CONSUM	1ED		GAL		748	TOTALS:			00:00	23	3:31	0.0
		WORK PERFORI	MED				NON-EFFECTIVE WOR			00:00	0.0).00	0.0
		ND HAULING			AGITA	ATING	TAKING ON FUEL AND TO AND FROM WHAR			00:00		0:00	0.0
NO.OF LOADS	TOTAL CYS	DISPOS	AL AREA		TOTA	L CYS	ANCHORAGE: LOSS DUE TO NATUR	AL		00:00		0:00	0.0
10	27,213	ODI	MDS		(0	ELEMENTS: LOSS DUE TO TRAFF	IC AND		00:00		0:00	0.0
							BRIDGES MINOR OPERATING F	REPAIRS		00:00):29	0.0
							TRANSFERRING BETY WORKS	WEEN		00:00	00	0:00	0.0
		 ATTENDANT PL	A NIT				LAY TIME:			00:00	00	0:00	0.0
ıT		Γ	R NUMBER	,	Н.Р.	HOURS	FIRE AND BOAT DRIL	LS:		00:00	00	0:00	0.0
Crew			Anne	`	400	24:00	MISCELLANEOUS			00:00	00	0:00	0.0
Crew	Doal	Саре	Aille		400	24.00	TOTALS			00:00	00):29	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		0:00	0.0
							TOTALS:			00:00		0:00	0.0
							TOTAL TIME/MILES:			00:00	24	1:00	0.0

W9127820F0001 W9127820F0140 DREDGE NA M/	DNTRACT TITLE PIQ Hopper Dredge for Pasc AME AND TYPE // Columbia DREDGING AREA DISPOSAL AREA	CONTRACT: Dutra Dredgi LOADS START TIME STOP TIME (HH:MM) 00:00 01:07 02:31 03:39 05:10 05:58 07:33 08:33 09:49 11:11		TO DUMP DUMPING TO CUT (MIN) 43 10 0 33 12 31 35 14 46 35 11 30	1
DREDGE LOAD NUMBER 1 350+00-400+00 ODMDS 2 350+00-400+00 ODMDS 3 350+00-400+00 ODMDS 4 350+00-400+00 ODMDS 5 350+00-400+00 ODMDS 6 350+00-400+00 ODMDS	ME AND TYPE // Columbia DREDGING AREA	LOADS START TIME STOP TIME (HH:MM) 00:00 01:07 02:31 03:39 05:10 05:58 07:33 08:33	PUMPING TURNING (MIN) 62 5 60 8 48 0	TO DUMP DUMPING TO CUT (MIN) 43 10 0 33 12 31 35 14 46 35 11 30	20 TOTAL TIME DREDGED AMOUNT AGITATED AMOUNT (MIN/CYS) 120 2,820 0 144 2,801 0 143 2,810 0 136
LOAD NUMBER 1 350+00-400+00 ODMDS 2 350+00-400+00 ODMDS 3 350+00-400+00 ODMDS 4 350+00-400+00 ODMDS 5 350+00-400+00 ODMDS 6 350+00-400+00 ODMDS	DREDGING AREA	START TIME STOP TIME (HH:MM) 00:00 01:07 02:31 03:39 05:10 05:58	TURNING (MIN) 62 5 60 8 48 0 52 8	TO DUMP DUMPING TO CUT (MIN) 43 10 0 33 12 31 35 14 46 35 11 30	TOTAL TIME DREDGED AMOUNT AGITATED AMOUNT (MIN/CYS) 120 2,820 0 144 2,801 0 143 2,810 0 136
1 350+00-400+00 ODMDS 2 350+00-400+00 ODMDS 3 350+00-400+00 ODMDS 4 350+00-400+00 ODMDS 5 350+00-400+00 ODMDS 6 350+00-400+00 ODMDS		START TIME STOP TIME (HH:MM) 00:00 01:07 02:31 03:39 05:10 05:58	TURNING (MIN) 62 5 60 8 48 0 52 8	DUMPING TO CUT (MIN) 43 10 0 33 12 31 35 14 46 35 11 30	DREDGED AMOUNT AGITATED AMOUNT (MIN/CYS) 120 2,820 0 144 2,801 0 143 2,810 0 136
1 350+00-400+00 ODMDS 2 350+00-400+00 ODMDS 3 350+00-400+00 ODMDS 4 350+00-400+00 ODMDS 5 350+00-400+00 ODMDS 6 350+00-400+00 ODMDS		STOP TIME (HH:MM) 00:00 01:07 02:31 03:39 05:10 05:58 07:33 08:33	TURNING (MIN) 62 5 60 8 48 0 52 8	TO CUT (MIN) 43 10 0 33 12 31 35 14 46 35 11 30	DREDGED AMOUNT AGITATED AMOUNT (MIN/CYS) 120 2,820 0 144 2,801 0 143 2,810 0 136
ODMDS 2		00:00 01:07 02:31 03:39 05:10 05:58 07:33 08:33	62 5 60 8 48 0 52 8	43 10 0 33 12 31 35 14 46 35 11 30	120 2,820 0 144 2,801 0 143 2,810 0
2 350+00-400+00 ODMDS 3 350+00-400+00 ODMDS 4 350+00-400+00 ODMDS 5 350+00-400+00 ODMDS 6 350+00-400+00 ODMDS		02:31 03:39 05:10 05:58 07:33 08:33	60 8 48 0 52 8	0 33 12 31 35 14 46 35 11 30	0 144 2,801 0 143 2,810 0
ODMDS 3		03:39 05:10 05:58 07:33 08:33 09:49	8 48 0 52 8	12 31 35 14 46 35 11 30	2,801 0 143 2,810 0
3 350+00-400+00 ODMDS 4 350+00-400+00 ODMDS 5 350+00-400+00 ODMDS 6 350+00-400+00 ODMDS		05:10 05:58 07:33 08:33	48 0 52 8	31 35 14 46 35 11 30	0 143 2,810 0
ODMDS 4 350+00-400+00 ODMDS 5 350+00-400+00 ODMDS 6 350+00-400+00 ODMDS		05:58 07:33 08:33	0 52 8 74	14 46 35 11 30	2,810 0 136
ODMDS 4 350+00-400+00 ODMDS 5 350+00-400+00 ODMDS 6 350+00-400+00 ODMDS		05:58 07:33 08:33	0 52 8 74	14 46 35 11 30	2,810 0 136
ODMDS 5 350+00-400+00 ODMDS 6 350+00-400+00 ODMDS		08:33 09:49	8 74	35 11 30	136
ODMDS 5 350+00-400+00 ODMDS 6 350+00-400+00 ODMDS		08:33 09:49	8 74	11 30	
ODMDS 6 350+00-400+00 ODMDS					
6 350+00-400+00 ODMDS					0
6 350+00-400+00 ODMDS		11:11		34	163
ODMDS			0	18 29	2,490 0
050.00.400.00		12:43	48	33	139
7 350+00-400+00		13:36	5	13 40	2,810 0
,		15:13	53	33	151
ODMDS		16:12	6	20 39	2,807 0
8 350+00-400+00		17:47	61	37	149
ODMDS		18:56	8	11 32	2,700 0
9 350+00-400+00		20:16	39	35	140
ODMDS		21:01	6	7 53	2,600 0
350+00-400+00		22:36	70	22	126
10 S50+00-400+00 ODMDS		23:52	6	0 28	2,575
C NARRATIVE(S)				20	

			QUA	LITY	CONTR	OL REPO	RT-HOPPER DREDG	SE .		PA	GE NO.	Page 37 of 95
CONTRACT NO W9127820F0		CONTRACT TI		Pasca	goula Hai	rbor	CONTRACTOR Dutra Dredging Co.			RE	PORT NO.	19
CHARACTER O	F	X MAINTEN	IANCE] NEW V	VORK					ATE 07/11/2020	
DRED	GE	HOPF	ER CAP:			4387 CY	AVG VOL OF BIN WAT	ER:	0 CY	AVG l	JNFILLED CAP:	0 CY
M/V Co	olumbia	NO. OF CF MEMBEF			DREDG 15	E	OTHER PLANT	WORK SCI	HEDULE	SHIFT	S PER DAY	DAYS PER WEEK
LOCATION		LOCATION CH				GED; STA		DISPOSAL A	REA USE	QTY D	EPOSITED CI	JMULATIVE AND QTY DEPOSIT FOR DA(CY) 423,555
		AVG LENGTH	•			6000 FT	AVG WIDTH OF CUT	1	400 FT	AVG E	DIST TO DUMP	2 NM
CHARAC	TER OF	DENSITY OF MA	ATERIALS						2.60	GMS/LI	TER	2.60
MATER	RIAL	DENSITY OF W	ATER						1.0060	GMS/LI	TER@	84 °F
RIVER/		MIN	0.90	TIME		01:00	MAX 1.65	TIME	12:00	GAGE	LOCATION Pas	scagoula NOAA LAB
OTA:		MIN	0.00	TIME		00:00		TIME			DATUM ML	LW
WEATHER C	ONDITION	WEATHER Weather Caus	ed No Dela	ay			TEMP 80 °F / 95 °F	VISIBILITY 10 MI		WIND 10/E M	IPH	
		DRAFT						DISTRIBUT	ION OF TIM	IE AND	MILES RUN	
	LIGHT		LOADED						AGITAT (MIN		DREDGE & HAUL (MIN)	MILES RUN (NAUT MI)
FORWARD		10				18	EFFECTIVE WORKING	TIME:				•
AFT		12				17	PUMPING:			00:00	10	0.0
DRAG DEPTH	MAX 0		MIN	0			TURNING:			00:00	01	12 0.0
INDICATORS	ACT CLIFCKED	ON 00/04/004	10				TO DUMP:			00:00	05	20 0.0
INDICATORS LA	AST CHECKED (ON 09/01/201	19				CONNECTING:			00:00	00	0.0
	ED OF DREDGE	DURING	F	Γ/ΜΙΝ		0	DUMPING:			00:00	02	0.0
	ED OF DREDGE	DURING	F	Γ/ΜΙΝ		0	DISCONNECTING:			00:00	00	0.0
AGITATING GALLONS OF F	UEL OIL CONSU	JMED		GAL			TO CUT:			00:00	04	32 0.0
GALLONS OF W	VATER CONSUM	MED		GAL			TOTALS:			00:00	24	0.0
						748	NON-EFFECTIVE WOR	KING TIME:			T	
		WORK PERFORM	MED				TAKING ON FUEL AND			00:00	00	0.0
NO.OF LOADS	TOTAL CYS	ND HAULING	AL AREA			L CYS	TO AND FROM WHARF			00:00	00	0.0
13	24,807	ODN)	LOSS DUE TO NATURA			00:00	00	0.0
							LOSS DUE TO TRAFFIOR BRIDGES	J AND		00:00	00	0.0
							MINOR OPERATING RI			00:00	00	
							WORKS	VLLIN		00:00	00	
		ATTENDANT PL	ANT				LAY TIME:			00:00	00	
IT	ЕМ	NAME OF	NUMBER	2	H.P.	HOURS	FIRE AND BOAT DRILL	S:		00:00	00	
Trav	wler	Wild D	ream II		600	24:00	MISCELLANEOUS			00:00	00	
Crew	Boat	Cape	Anne		400		TOTALS			00:00	00	0.0
							LOST TIME: MAJOR REPAIRS AND				T	
							ALTERNATIONS			00:00	00	
							CESSATION:			00:00	00	
							COLLISIONS:			00:00	00	
							TOTALS:			00:00	00	
							TOTAL TIME/MILES:			00:00	24	0.0

		QUALIT	TY CONTROL REPORT-HOPPE	R DREDGE	PAGE NO.	Page 38 of 95
ONTRACT NO W9127820F0		CONTRACT TITLE IDIQ Hopper Dredge for Pas	CONTRAC scagoula Harbor Dutra Dred		REPORT N	
DREDGE		NAME AND TYPE			DATE 07/11/202	20
		M/V Columbia	LOADS		07/11/202	20
LOAD NUMBER		DREDGING AREA DISPOSAL AREA	START TIME STOP TIME (HH:MM)	PUMPING TURNING (MIN)	TO DUMP DUMPING TO CUT (MIN)	TOTAL TIME DREDGED AMOUNT AGITATED AMOUNT (MIN/CYS)
1	400+00 to 460 ODMDS	+00	00:00	0	49 10 0	59 0 0
2	400+00 to 460 ODMDS	+00	00:00 00:00	0	0 0 0	0 0 0
3	400+00 to 460 ODMDS	+00	00:00 00:00	0	0 0 0	0 0 0
4	400+00 to 460 ODMDS	+00	00:59 01:51	52 0	33 11 39	135 2,733 0
5	400+00 to 460 ODMDS	+00	03:14 04:23	61 8	28 15 35	147 2,660 0
6	400+00 to 460 ODMDS	+00	05:41 06:48	59 8	30 12 26	135 2,650 0
7	400+00 to 460 ODMDS	+00	07:56 09:08	64 8	31 8 36	147 3,000 0
8	400+00 to 460 ODMDS	+00	10:23 11:55	84 8	29 14 25	160 2,972 0
9	400+00 to 460 ODMDS	+00	13:03 14:21	70 8	26 17 28	149 2,775 0
10	400+00 to 460 ODMDS	+00	15:32 16:47	67 8	30 12 30	147 2,697 0
11	400+00 to 460 ODMDS	+00	17:59 19:14	67 8	32 11 28	146 2,700 0
12	400+00 to 460 ODMDS	+00	20:25 21:57	84 8	31 10 25	158 2,620 0
13	400+00 to 460 ODMDS	+00	23:03 23:59	48 8	1 0 0	57 0 0
QC NARRAT	IVE(S)					
	OR CERTIFICA	material us plans and s	of the contractor, I certify that t ed and work performed during specifications, to the best of m	this Reporting period a y knowledge, except as	re in compliance wi noted above.	th the contract
QC REPRES	ENTATIVE'S S	IGNATURE	DATE	SUPERINTENDENT'S	INITIALS DATE	

			QUA	LITY	CONTR	OL REPO	RT-HOPPER DREDG	SE .		PA	GE NO.	Page 39 of 95
CONTRACT NO W9127820F0		CONTRACT TI		Pasca	goula Hai	rbor	CONTRACTOR Dutra Dredging Co.			RE	PORT NO.	20
CHARACTER O	F	X MAINTEN	NANCE		NEW V	VORK					TE 07/12/2020	
DRED	GE	HOPF	PER CAP:			4387 CY	AVG VOL OF BIN WAT	ER:	0 CY	AVG I	JNFILLED CAP:	0 CY
M/V Co	lumbia	NO. OF CF MEMBEF			DREDG 15	E	OTHER PLANT	WORK SCI	HEDULE	SHIFT	S PER DAY	DAYS PER WEEK
LOCATION		LOCATION CH				GED; STA		DISPOSAL A	REA USE	QTY D GROS	EPOSITED CI	JMULATIVE AND QTY DEPOSIT FOR DA(CY) 445,133
		AVG LENGTH	•			6000 FT	AVG WIDTH OF CUT	1	400 FT	AVG [DIST TO DUMP	2 NM
CHARAC	TER OF	DENSITY OF MA	ATERIALS						2.60	GMS/L	TER	2.60
MATER	RIAL	DENSITY OF W	ATER						1.0060	GMS/L	TER@	84 °F
RIVER/		MIN	0.90	TIME		01:00	MAX 1.65	TIME	12:00	GAGE	LOCATION Pas	cagoula NOAA LAB
OTA		MIN	0.00	TIME		00:00		TIME			DATUM ML	_W
WEATHER C	ONDITION	WEATHER Weather Caus	sed No Dela	ay			TEMP 80 °F / 90 °F	VISIBILITY 10 MI		WIND 15/S M	IPH	
		DRAFT						DISTRIBUT	ION OF TIM	IE AND	MILES RUN	
	LIGHT		LOADED						AGITAT (MIN		DREDGE & HAUL (MIN)	MILES RUN (NAUT MI)
FORWARD		10				18	EFFECTIVE WORKING	TIME:				
AFT		12				17	PUMPING:			00:00	09	46 0.0
DRAG DEPTH	MAX 0		MIN	0			TURNING:			00:00	00	56 0.0
INDICATORS	NOT OUTOKED	ON 00/04/004	10				TO DUMP:			00:00	04	45 0.0
INDICATORS LA	AST CHECKED (ON 09/01/201	19				CONNECTING:			00:00	00	0.0
	ED OF DREDGE	DURING	FT	Γ/ΜΙΝ		0	DUMPING:			00:00	01:	48 0.0
	ED OF DREDGE	DURING	F1	Γ/ΜΙΝ		0	DISCONNECTING:			00:00	00	0.0
AGITATING GALLONS OF F	UEL OIL CONSU	JMED		GAL			TO CUT:			00:00	04	
GALLONS OF W	VATER CONSUM	1ED		GAL			TOTALS:			00:00	21	42 0.0
						748	NON-EFFECTIVE WOR	KING TIME:			T	
		WORK PERFORM	MED				TAKING ON FUEL AND			00:00	00	0.0
NO.OF LOADS	TOTAL CYS	ND HAULING	AL AREA			L CYS	TO AND FROM WHARF			00:00	00	0.0
9	21,578	ODN)	LOSS DUE TO NATURA			00:00	00	0.0
							LOSS DUE TO TRAFFIOR BRIDGES	J AND		00:00	00	14 0.0
							MINOR OPERATING RI			00:00	02	
							WORKS	VEEN		00:00	00	
		ATTENDANT PL	ANT				LAY TIME:			00:00	00	
IT	ЕМ	NAME OF	NUMBER	2	H.P.	HOURS	FIRE AND BOAT DRILL	S:		00:00	00	
Crew	Boat	Cape	Anne		400	24:00	MISCELLANEOUS			00:00	00	
Trav	wler	Wild D	ream II		600		TOTALS			00:00	02	18 0.0
							LOST TIME: MAJOR REPAIRS AND				T	
							ALTERNATIONS			00:00	00	
							CESSATION:			00:00	00	
							COLLISIONS:			00:00	00	
							TOTAL TIME (MAIL EQ.			00:00	00	
							TOTAL TIME/MILES:			00:00	24	0.0

		QUALITY CO	ONTROL REPORT-HOPPER	DREDGE	PAGE NO.	Page 40 of 9
QNTRACT NO. W9127820F0140 W9127820F0140		RACT TITLE opper Dredge for Pascagou	CONTRACT ula Harbor Dutra Dredgi		REPORT N	IO.
DREDGE		AND TYPE olumbia			DATE 07/12/20	20
	1		LOADS		ļ	
LOAD NUMBER		EDGING AREA POSAL AREA	START TIME STOP TIME	PUMPING TURNING	TO DUMP DUMPING TO CUT	TOTAL TIME DREDGED AMOUNT AGITATED AMOUNT
1 4	00+00 to 460+00		(HH:MM) 00:00	(MIN) 27	(MIN) 29	(MIN/CYS) 72
	DMDS		00:27	0	16 0	2,660 0
2 4	00+00 to 460+00		01:12	92	30	174
	DMDS		02:52	8	16 28	2,816 0
3 4	00+00 to 460+00		04:06	64	31	142
С	DMDS		05:18	8	10 29	2,845 0
4 4	00+00 to 460+00		06:28	61	39	153
	DMDS		07:37	8	12 33	2,690 0
5 4	00+00 to 460+00		09:01	76	38	179
	DMDS		10:25	8	16 41	2,350 0
O	00+00 to 460+00		12:00	51 8	40	153
C	DMDS		12:59	0	17 37	2,660 0
7 4	00+00 to 460+00		14:33	69	41	164
	DMDS		15:50	8	11 35	2,657 0
8 4	00+00 to 460+00		17:17	122	37	206
C	DMDS		19:27	8	10 29	2,900 0
9 4	00+00 to 460+00		20:43	24	0	59
C	DMDS		21:07	0	0 35	0
C NARRATIVE	(3)					
	CERTIFICATION		contractor, I certify that th			

			QUA	LITY	CONTR	OL REPO	RT-HOPPER DREDG	SE .		PA	GE NO.	Page 41 of 95
CONTRACT NO W9127820F0		CONTRACT TI		Pasca	goula Hai	rbor	CONTRACTOR Dutra Dredging Co.			RE	PORT NO.	21
CHARACTER O	F	X MAINTEN	NANCE		NEW V	VORK					TE 07/13/2020	
DRED	GE	HOPF	PER CAP:			4387 CY	AVG VOL OF BIN WAT	ER:	0 CY	AVG l	JNFILLED CAP:	0 CY
M/V Co	lumbia	NO. OF CF MEMBEF			DREDG 15	E	OTHER PLANT	WORK SCI	HEDULE	SHIFT	S PER DAY	DAYS PER WEEK
LOCATION		LOCATION CH				GED; STA		DISPOSAL A	REA USE	QTY D	EPOSITED CL	, IMULATIVE AND QTY EPOSIT FOR DA(CY) 469,791
		AVG LENGTH		400.0	<u> </u>	6000 FT	AVG WIDTH OF CUT	0550	400 FT	AVG E	DIST TO DUMP	2 NM
CHARAC ⁻	TER OF	DENSITY OF MA	ATERIALS						2.60	GMS/LI	TER	2.60
MATER		DENSITY OF W	ATER						1.0060	GMS/L	TER@	84 °F
RIVER/		MIN	0.90	TIME		01:00	MAX 1.65	TIME	12:00	GAGE	LOCATION Pas	cagoula NOAA LAB
STA	GE	MIN	0.00	TIME		00:00	MAX 0.00	TIME	00:00	GAGE	DATUM MLI	.W
WEATHER C	ONDITION	WEATHER Weather Caus	sed No Dela	av			TEMP 80 °F / 95 °F	VISIBILITY 10 MI		WIND 10/W N	/PH	
		DRAFT		- <u>y</u>			30 1 7 30 1		ION OF TIM		MILES RUN	
	LIGHT		LOADED						AGITAT (MIN		DREDGE & HAUL (MIN)	MILES RUN (NAUT MI)
FORWARD		10				18	EFFECTIVE WORKING	TIME:		,	- ()	, ,
AFT		12				17	PUMPING:			00:00	11:	0.0
DRAG DEPTH	MAX 0		MIN	0			TURNING:			00:00	01:	12 0.0
							TO DUMP:			00:00	05:	0.0
INDICATORS LA	AST CHECKED (ON 09/01/201	19				CONNECTING:			00:00	00:	0.0
	ED OF DREDGE	DURING	F1	Γ/ΜΙΝ		0	DUMPING:			00:00	01:	0.0
LOADING AVERAGE SPE	ED OF DREDGE	DURING	F1	Γ/ΜΙΝ		0	DISCONNECTING:			00:00	00:	0.0
AGITATING GALLONS OF F	UEL OIL CONSU	JMED		GAL			TO CUT:			00:00	04:	27 0.0
	VATER CONSUM			GAL			TOTALS:			00:00	24:	0.0
- C/1220110 01 1				0,12		748	NON-EFFECTIVE WOR	KING TIME:				
		WORK PERFORM	MED				TAKING ON FUEL AND			00:00	00:	0.0
NO OF LOADS		ND HAULING				ATING	TO AND FROM WHARF ANCHORAGE:			00:00	00:	0.0
NO.OF LOADS 9	TOTAL CYS 24,658	DISPOSA	AL AREA //DS			L CYS	LOSS DUE TO NATURA ELEMENTS:			00:00	00:	0.0
							LOSS DUE TO TRAFFIOR BRIDGES	C AND		00:00	00:	0.0
							MINOR OPERATING RI			00:00	00:	0.0
							TRANSFERRING BETW WORKS	VEEN		00:00	00:	0.0
		ATTENDANT PL	ANT				LAY TIME:			00:00	00:	0.0
IT	EM	NAME OF	NUMBER	1	H.P.	HOURS	FIRE AND BOAT DRILL	S:		00:00	00:	0.0
Crew	Boat	Cape	Anne		400	24:00	MISCELLANEOUS			00:00	00:	0.0
Trav		Wild D			600		TOTALS			00:00	00:	0.0
110		VVIIG D	. 2001111				LOST TIME:		Г		Т	
							MAJOR REPAIRS AND ALTERNATIONS			00:00	00:	0.0
							CESSATION:			00:00	00:	0.0
							COLLISIONS:			00:00	00:	0.0
							TOTALS:			00:00	00:	0.0
							TOTAL TIME/MILES:			00:00	24:	0.0

Dig	NAME AND TYPE NAME AND TYPE M/V Columbia					(QUAL	ITY C	ONTE	ROL R	EPO	RT-HO	OPPER	RDRE	DGE				PAG	E NO.			Pa	ıge 42 o
DATE MIV Columbia MIV Columbi	DREDGE NAME AND TYPE M/V Columbia LOAD NUMBER DREDGING AREA DISPOSAL AREA START TIME STOP TIME (HH:MM) 1 400+00 to 460+00 ODMDS 00:00 OD:00 ODMDS 2 400+00 to 460+00 ODMDS 02:34 OD:00 ODMDS 3 400+00 to 460+00 ODMDS 05:40 OD:00 ODMDS 4 400+00 to 460+00 ODMDS 09:46 ODMDS 5 400+00 to 460+00 ODMDS 11:16 ODMDS 6 400+00 to 460+00 ODMDS 15:16 ODMDS 7 400+00 to 460+00 ODMDS 16:40 ODMDS 8 400+00 to 460+00 ODMDS 19:21 ODMDS 9 400+00 to 460+00 ODMDS 22:06 ODMDS						for Pa	ascago	oula H	arbor					٥.				REP	ORT N	NO.			
LOADS Company Compan	LOADS			NAME	AND TY	/PE								· <u>-</u>					DAT	Έ '/13/20	120			
NUMBER	NUMBER DISPOSAL AREA STOP TIME (HH:MM) 1 400+00 to 460+00 00:00 ODMDS 01:06 2 400+00 to 460+00 02:34 ODMDS 05:40 ODMDS 07:04 4 400+00 to 460+00 08:29 ODMDS 09:46 5 400+00 to 460+00 11:16 ODMDS 15:16 6 400+00 to 460+00 15:16 7 400+00 to 460+00 16:40 ODMDS 18:08 8 400+00 to 460+00 19:21 ODMDS 20:46 9 400+00 to 460+00 22:06 ODMDS 23:36	_		IVI) V C	Olumbia						LO	ADS								710,				
1 400+00 to 460+00 ODMDS	1										STO	P TIME			TUF	RNIN		DUM TO	PINC CUT	3		DRE	DGEI TATEI	D AMOU
ODMDS	ODMDS 2	46	+00 to 460	60+00						+					(1		+				+			
ODMDS OD	ODMDS 04:11 3		MDS								C)1:06				8								
3 400+00 to 460+00 ODMDS 05:40 76 40 8 11 2,800 34 0 4 400+00 to 460+00 ODMDS 08:29 69 42 167 36 0 5 400+00 to 460+00 ODMDS 11:16 74 34 163 0 0 5 400+00 to 460+00 ODMDS 12:38 8 17 2,750 30 0 6 400+00 to 460+00 ODMDS 13:59 69 32 161 0 0 7 400+00 to 460+00 ODMDS 15:16 8 20 2,655 32 0 0 7 400+00 to 460+00 ODMDS 18:08 8 8 8 2,677 33 0 0 8 400+00 to 460+00 ODMDS 19:21 77 36 165 165 0 0 8 400+00 to 460+00 ODMDS 19:21 77 36 165 0 0 9 400+00 to 460+00 ODMDS 20:46 8 10 2,720 34 0 0 9 400+00 to 460+00 ODMDS 22:06 82 24 114 0 0 9 400+00 to 460+00 ODMDS 22:06 82 24 114 0 0 9 400+00 to 460+00 ODMDS 22:06 82 24 114 0 0	ODMDS ODMDS O7:04 4	46		60+00														2	20				2,8	810
ODMDS ODMDS OPMDS	ODMDS ODMDS OT:04 4	- 16	00 to 460	60±00						-		25.40				76	+				\perp			
ODMDS ODMDS ODMDS ODMDS 11:16 74 34 163 2,750 0 DMDS 12:38 8 17 2,750 30 0 400+00 to 460+00 ODMDS 13:59 69 ODMDS 15:16 8 20 2,655 32 0 7 400+00 to 460+00 ODMDS 16:40 0DMDS 8 8 400+00 to 460+00 ODMDS 8 400+00 to 460+00 ODMDS 18:08 8 400+00 to 460+00 ODMDS 20:46 8 10 2,720 34 O DDMDS 9 400+00 to 460+00 ODMDS 22:06 82 24 114 2,790 ODMDS	ODMDS 09:46 5) 40		bU+UU														•	11				2,8	800
ODMDS ODMDS ODMDS ODMDS 11:16 74 34 163 2,750 0 DMDS 12:38 8 17 2,750 30 0 400+00 to 460+00 ODMDS 13:59 69 ODMDS 15:16 8 20 2,655 32 0 7 400+00 to 460+00 ODMDS 16:40 0DMDS 8 8 400+00 to 460+00 ODMDS 8 400+00 to 460+00 ODMDS 18:08 8 400+00 to 460+00 ODMDS 20:46 8 10 2,720 34 O DDMDS 9 400+00 to 460+00 ODMDS 22:06 82 24 114 2,790 ODMDS	ODMDS 09:46 5	46	+00 to 460	60+00						+	C	08:29				69	+				+			
ODMDS 12:38 8 17 2,750 0 6 400+00 to 460+00	ODMDS 12:38 6 400+00 to 460+00 ODMDS 15:16 7 400+00 to 460+00 ODMDS 16:40 ODMDS 18:08 8 400+00 to 460+00 ODMDS 19:21 ODMDS 20:46 9 400+00 to 460+00 ODMDS 22:06 ODMDS 23:36	•																•	12				2,	750
ODMDS 12:38 8 17 2,750 6 400+00 to 460+00 13:59 69 32 161 ODMDS 15:16 8 20 2,655 32 0 7 400+00 to 460+00 16:40 80 32 161 ODMDS 18:08 8 8 2,677 33 0 0 33 0 8 400+00 to 460+00 19:21 77 36 165 ODMDS 20:46 8 10 2,720 34 0 0 0 9 400+00 to 460+00 22:06 82 24 114 ODMDS 23:36 8 0 2,790	ODMDS 12:38 6 400+00 to 460+00 13:59 ODMDS 15:16 7 400+00 to 460+00 16:40 ODMDS 18:08 8 400+00 to 460+00 19:21 ODMDS 20:46 9 400+00 to 460+00 22:06 ODMDS 23:36	46	+00 to 460	60+00						+	1	1:16					\top							
ODMDS 15:16 8 20 2,655 32 0 7 400+00 to 460+00 ODMDS 16:40 80 32 161 ODMDS 8 400+00 to 460+00 19:21 77 36 165 ODMDS 19:21 77 36 165 ODMDS 20:46 8 10 2,720 34 0 9 400+00 to 460+00 22:06 82 24 114 ODMDS 0 0 0 0	ODMDS 15:16 7		MDS								1	2:38						3	30					
7 400+00 to 460+00 ODMDS 16:40 80 32 161 ODMDS 8 400+00 to 460+00 ODMDS 19:21 77 36 165 ODMDS 9 400+00 to 460+00 ODMDS 22:06 82 24 114 ODMDS 9 400+00 to 460+00 ODMDS 23:36 8 0 2,790 0 0 0	7	46	+00 to 460	60+00													\neg							
ODMDS 18:08 8 8 400+00 to 460+00 ODMDS 19:21 77 36 10 2,720 34 0 9 400+00 to 460+00 ODMDS 22:06 82 24 114 ODMDS 00 00 0	ODMDS 18:08 8		MDS								ï	5:16				8								
ODMDS 18:08 8 8 400+00 to 460+00 ODMDS 19:21 77 36 10 2,720 34 0 9 400+00 to 460+00 ODMDS 22:06 82 24 114 ODMDS 00 00 0	ODMDS 18:08 8 400+00 to 460+00 19:21 ODMDS 20:46 9 400+00 to 460+00 22:06 ODMDS 23:36	46	+00 to 460	60+00						+	1	16:40				80	+	3	32		+		1	61
ODMDS 20:46 8 10 2,720 34 0 9 400+00 to 460+00 ODMDS 22:06 82 24 114 23:36 8 0 2,790 0 0	ODMDS 20:46 9 400+00 to 460+00 ODMDS 22:06 23:36		MDS								1	8:08				8			8					
9 400+00 to 460+00	9 400+00 to 460+00 22:06 ODMDS 23:36	46	+00 to 460	60+00													\top				\top			
ODMDS 23:36 8 0 2,790 0 0	ODMDS 23:36		MDS								2	:0:46				8								
ODIVIDS 0	ODINIDS	46	+00 to 460	60+00													\dagger				\dagger			
	OC NARRATIVE(S)		MDS								2	23:36				8								

			QUA	LITY	CONTR	OL REPO	ORT-HOPPER DREDO	GE		PA	AGE NO.		Page 43 of 95
CQNTRACT NO W9127820F0		CONTRACT TI		Pasca	goula Hai	bor	CONTRACTOR Dutra Dredging Co.			RE	PORT NO.		22
CHARACTER C)F	X MAINTEN	NANCE		NEW V	VORK					ATE 07/14/2020		
DRED	GE	HOPF	PER CAP:			4387 CY	AVG VOL OF BIN WAT	ER:	0 CY	AVG	JNFILLED CAP:		0 CY
M/V Co	olumbia	NO. OF CF MEMBER			DREDG 15	E	OTHER PLANT	WORK SC	HEDULE	SHIF	TS PER DAY	DA	YS PER WEEK
LOCATI WOI		LOCATION CH				GED; STA		DISPOSAL A	REA USE	QTY D GROS	EPOSITED CI		ATIVE AND QTY OSIT FOR DA(CY) 490,823
		AVG LENGTH	OF CUT			6000 FT	AVG WIDTH OF CUT		400 FT	AVG [DIST TO DUMP		2 NM
CHARAC		DENSITY OF M	ATERIALS						2.60	GMS/L	ITER		2.60
MATE	RIAL	DENSITY OF W	ATER						1.0060	GMS/L	ITER@		84 °F
RIVER/ STA		MIN	0.90	TIME		01:00	MAX 1.65	TIME	12:00	GAGE	LOCATION Pas	scago	oula NOAA LAB
OIA.	<u> </u>	MIN	0.00	TIME		00:00		TIME			DATUM ML	LW	
WEATHER C	ONDITION	WEATHER Weather Caus	ed No Dela	av.			TEMP 80 °F / 95 °F	VISIBILITY 10 MI		WIND 10/W I	ирн		
		DRAFT	oca ivo Beio	ч			00 1 7 30 1	•	ION OF TIM		MILES RUN		
	LIGHT		LOADED						AGITAT		DREDGE & HAUL (MIN)		MILES RUN (NAUT MI)
FORWARD		10				18	EFFECTIVE WORKING	TIME:	1 (•,	1 1 10 2 (111111)		(
AFT		12				17	PUMPING:			00:00	10	:08	0.0
DRAG DEPTH	MAX 0		<u> </u>	0			TURNING:			00:00	01	:04	0.0
							TO DUMP:			00:00	04	:52	0.0
INDICATORS L	AST CHECKED (ON 09/01/20 ⁻	19				CONNECTING:			00:00	00	:00	0.0
AVERAGE SPE	ED OF DREDGE	DURING	FT	Γ/MIN		0	DUMPING:			00:00	02	:08	0.0
LOADING AVERAGE SPE	ED OF DREDGE	DURING	FT	Γ/ΜΙΝ			DISCONNECTING:			00:00	00	:00	0.0
AGITATING	UEL OIL CONSU	IMED		GAL		0	TO CUT:			00:00	05	:18	0.0
	VATER CONSUM			GAL			TOTALS:			00:00	23	:30	0.0
GALLEGING OF V	WATER CONCOR			O/\L		748	NON-EFFECTIVE WOR	RKING TIME:					
		WORK PERFORI	MED				TAKING ON FUEL AND			00:00	00	:00	0.0
NO OF LOADS		AND HAULING				ATING	TO AND FROM WHAR! ANCHORAGE:			00:00	00	:00	0.0
NO.OF LOADS 12	TOTAL CYS 21,032	1	AL AREA MDS		TOTA	L CYS	LOSS DUE TO NATUR. ELEMENTS:			00:00	00	:00	0.0
							LOSS DUE TO TRAFFI BRIDGES	C AND		00:00	00	:00	0.0
							MINOR OPERATING R			00:00	00	:30	0.0
							TRANSFERRING BETV WORKS	VEEN		00:00	00	:00	0.0
	'	ATTENDANT PL	ANT				LAY TIME:			00:00	00	:00	0.0
IT	EM	NAME OF	R NUMBER	1	H.P.	HOURS	FIRE AND BOAT DRILL	.S:		00:00	00	:00	0.0
Crew	Boat	Cape	Anne		400	24:00	MISCELLANEOUS			00:00	00	:00	0.0
Tra	wler	Wild D	ream II		600		TOTALS			00:00	00	:30	0.0
							LOST TIME:		ı		T		
							MAJOR REPAIRS AND ALTERNATIONS			00:00		:00	0.0
							CESSATION:			00:00		:00	0.0
							COLLISIONS:			00:00		:00	0.0
							TOTALS:			00:00		:00	0.0
							TOTAL TIME/MILES:			00:00	24	:00	0.0

		QUAI	LITY CONTROL REPORT-HO	PPER DREDGE	PAG	GE NO. Page 44 of 95				
CQNTRACT N W9127820F0		CONTRACT TITLE IDIQ Hopper Dredge for P		TRACTOR Dredging Co.	REI	PORT NO. 22				
DREDGE		NAME AND TYPE			DA					
		M/V Columbia	LOADS		0	7/14/2020				
LOAD NUMBER		DREDGING AREA DISPOSAL AREA	START TIME STOP TIME (HH:MM)		TO DUM DUMPIN TO CUT (MIN)	G DREDGED AMOUNT				
1	400+00 to 460+	-00	00:00	0	7	24				
	ODMDS		00:00	0	17 0	0				
2	400+00 to 460+ ODMDS	·00	00:00 00:00	0	0 0 0	0 0 0				
3	400+00 to 460+	00	00:00 00:00	0	0 0	0 0 0				
4	400+00 to 460+ ODMDS	00	00:24 01:45	73 8	34 17 33	165 2,781 0				
5	400+00 to 460+ ODMDS	-00	03:09 04:41	84 8	49 13 46	200 2,912 0				
6	400+00 to 460+ ODMDS	-00	06:29 07:45	68 8	36 18 31	161 2,770 0				
7	400+00 to 460+ ODMDS	-00	09:10 10:28	70 8	33 16 32	159 2,600 0				
8	400+00 to 460+ ODMDS	00	11:49 13:07	70 8	33 11 45	167 2,867 0				
9	400+00 to 460+ ODMDS	00	14:36 16:03	79 8	32 10 31	160 2,772 0				
10	400+00 to 460+ ODMDS	-00	17:16 18:39	75 8	32 15 34	164 2,300 0				
11	400+00 to 460+ ODMDS	-00	20:00 21:33	85 8	36 11 31	171 2,030 0				
12	400+00 to 460+	00	22:51 22:55	4 0	0 0 35	39 0 0				
QC NARRAT	TVE(S)				1					
CONTRACTO	OR CERTIFICAT	material	f of the contractor, I certify t used and work performed du d specifications, to the best o	iring this Reporting period	od are in complia	nce with the contract				
QC REPRES	ENTATIVE'S SI	GNATURE								

			QUA	LITY	CONTR	OL REPO	ORT-HOPPER DRED	GE		PA	GE NO.	Page 45 of 95
CQNTRACT NO W9127820F0		CONTRACT TI		Pasca	goula Hai	bor	CONTRACTOR Dutra Dredging Co.			RE	PORT NO.	23
CHARACTER C)F	X MAINTEN	NANCE		NEW V	VORK				DA	TE 07/15/2020	
DRED	GE	HOPF	PER CAP:			4387 CY	AVG VOL OF BIN WA	ΓER:	0 CY	AVG L	JNFILLED CAP:	0 CY
M/V Co	olumbia	NO. OF CF MEMBER			DREDG 15	E	OTHER PLANT	WORK SC	HEDULE	SHIFT	S PER DAY	DAYS PER WEEK
LOCATI WOI		LOCATION CH				GED; STA		DISPOSAL A	REA USE	QTY DI GROSS	EPOSITED CUI	MULATIVE AND QTY EPOSIT FOR DA(CY) 509,743
		AVG LENGTH	OF CUT			6000 FT	AVG WIDTH OF CUT		450 FT	AVG D	DIST TO DUMP	2 NM
CHARAC		DENSITY OF M	ATERIALS						2.60	GMS/LI	TER	2.60
MATE	RIAL	DENSITY OF W	ATER						1.0060	GMS/LI	TER@	84 °F
RIVER/ STA		MIN	0.90	TIME		01:00	MAX 1.65	TIME	12:00	GAGE I	_OCATION Pasc	agoula NOAA LAB
OIA.	<u> </u>	MIN	0.00	TIME		00:00		TIME		GAGE I	DATUM MLL\	V
WEATHER C	ONDITION	WEATHER Weather Caus	ed No Dela	av.			TEMP 80 °F / 95 °F	VISIBILITY 10 MI		WIND 10/W N	/PH	
		DRAFT	ocu No Deli	ч			00 1 7 30 1	•	ION OF TIM		MILES RUN	
	LIGHT		LOADED						AGITAT (MIN		DREDGE & HAUL (MIN)	MILES RUN (NAUT MI)
FORWARD		10				18	EFFECTIVE WORKING	TIME:	(- /		1 (
AFT		12				17	PUMPING:			00:00	10:4	2 0.0
DRAG DEPTH	MAX 0		<u> </u>	0			TURNING:			00:00	01:1	2 0.0
							TO DUMP:			00:00	04:5	0.0
INDICATORS L	AST CHECKED (ON 09/01/20 ⁻	19				CONNECTING:			00:00	00:0	0.0
AVERAGE SPE	ED OF DREDGE	DURING	F1	Γ/MIN		0	DUMPING:			00:00	02:2	3 0.0
LOADING AVERAGE SPE	ED OF DREDGE	DURING	F1	Γ/ΜΙΝ			DISCONNECTING:			00:00	00:0	0.0
AGITATING	UEL OIL CONSU	IMED		GAL		0	TO CUT:			00:00	04:4	1 0.0
	VATER CONSUM			GAL			TOTALS:			00:00	23:4	8 0.0
GALLEGING OF V	WATER CONCOR			OAL		748	NON-EFFECTIVE WOF	RKING TIME:				
		WORK PERFORI	MED				TAKING ON FUEL AND			00:00	00:0	0.0
NO OF LOADS		AND HAULING				ATING	TO AND FROM WHAR ANCHORAGE:			00:00	00:0	0.0
NO.OF LOADS 9	TOTAL CYS 18,920	1	AL AREA MDS		TOTA	L CYS	LOSS DUE TO NATUR ELEMENTS:			00:00	00:0	0.0
							LOSS DUE TO TRAFFI BRIDGES	C AND		00:00	00:1	2 0.0
							MINOR OPERATING R			00:00	00:0	0.0
							TRANSFERRING BET\ WORKS	WEEN		00:00	00:0	0.0
		ATTENDANT PL	ANT				LAY TIME:			00:00	00:0	0.0
IT	EM	NAME OF	R NUMBER	1	H.P.	HOURS	FIRE AND BOAT DRILI	_S:		00:00	00:0	0.0
Crew	Boat	Cape	Anne		400	24:00	MISCELLANEOUS			00:00	00:0	0.0
Tra	wler	Wild D	ream II		600		TOTALS			00:00	00:1	2 0.0
							LOST TIME:		ı			
							MAJOR REPAIRS AND ALTERNATIONS			00:00	00:0	
							CESSATION:			00:00	00:0	
							COLLISIONS:			00:00	00:0	
							TOTALS:			00:00	00:0	
							TOTAL TIME/MILES:			00:00	24:0	0.0

			CONTROL REPORT-HOPPER		PAGE NO.	Page 46 of 9
QNTRACT NO W9127820F0 W9127820F0		CONTRACT TITLE IDIQ Hopper Dredge for Pascage	CONTRACTO goula Harbor Dutra Dredgii		REPORT N	IO. 2:
DREDGE		NAME AND TYPE			DATE 07/15/202	
		M/V Columbia	LOADS		01/10/20	20
LOAD NUMBER		DREDGING AREA DISPOSAL AREA	START TIME STOP TIME	PUMPING TURNING	TO DUMP DUMPING TO CUT	TOTAL TIME DREDGED AMOUN' AGITATED AMOUN'
1	400+00 to 460	J+00	(HH:MM) 00:00	(MIN) 72	(MIN) 49	(MIN/CYS) 148
ı	ODMDS		01:20	8	19 0	2,365 0
2	400+00 to 460 ODMDS	+00	02:28 03:51	75 8	36 24 37	180 2,365 0
	400+00 to 460		05:28	63	37	153
3	0DMDS	+00	05:28	8	13 35	2,365 0
4	400+00 to 460	+00	08:01	75	34	164
- 1	ODMDS		09:24	8	14 33	2,365 0
5	400+00 to 460 ODMDS	+00	10:45 12:07	74 8	35 26 36	179 2,365 0
6	400+00 to 460 ODMDS	+00	13:44 15:11	79 8	36 27	184 2,365
			!		34	0
7	400+00 to 460	+00	16:48 18:18	82 8	33 10 36	169 2,365 0
	400+00 to 460	0±00	19:37	82	33	170
8	ODMDS	+00	21:07	8	10 37	2,365 0
9	400+00 to 460 ODMDS	+00	22:27 23:15	40 8	0 0 33	81 0 0
QC NARRATI	VE(S)					
CONTRACTO	DR CERTIFICA	TION On behalf of the material used	he contractor, I certify that thi	is Report is complete	and correct and all e	equipment and

			QUA	LITY	CONTR	OL REPO	RT-HOPPER DREDG	SE .		PA	GE NO.	Page 47 of 95
CONTRACT NO W9127820F0		CONTRACT TI		Pasca	goula Hai	rbor	CONTRACTOR Dutra Dredging Co.			RE	PORT NO.	24
CHARACTER O	F	X MAINTEN	IANCE] NEW V	VORK					ATE 07/16/2020	
DRED	GE	HOPF	ER CAP:			4387 CY	AVG VOL OF BIN WAT	ER:	0 CY	AVG I	JNFILLED CAP:	0 CY
M/V Co	lumbia	NO. OF CF MEMBEF			DREDG 15	E	OTHER PLANT	WORK SCI	HEDULE	SHIFT	TS PER DAY	DAYS PER WEEK
LOCATION		LOCATION CH				GED; STA		DISPOSAL A	REA USE	QTY D GROS	EPOSITED CL	JMULATIVE AND QTY DEPOSIT FOR DA(CY) 531,028
		AVG LENGTH		100 0		6000 FT	AVG WIDTH OF CUT	1	450 FT	AVG [DIST TO DUMP	2 NM
CHARAC ⁻	TER OF	DENSITY OF MA	ATERIALS						2.60	GMS/L	ITER	2.60
MATER	RIAL	DENSITY OF W	ATER						1.0060	GMS/L	ITER@	84 °F
RIVER/		MIN	0.90	TIME		01:00	MAX 1.65	TIME	12:00	GAGE	LOCATION Pas	cagoula NOAA LAB
OTA		MIN	0.00	TIME		00:00		TIME			DATUM ML	_W
WEATHER C	ONDITION	WEATHER Weather Caus	ed No Dela	ay			TEMP 80 °F / 95 °F	VISIBILITY 10 MI		WIND 10/W I	ИРН	
		DRAFT						DISTRIBUT	ION OF TIM	IE AND	MILES RUN	
	LIGHT		LOADED						AGITAT (MIN		DREDGE & HAUL (MIN)	MILES RUN (NAUT MI)
FORWARD		10				18	EFFECTIVE WORKING	TIME:				
AFT		12				17	PUMPING:			00:00	11:	0.0
DRAG DEPTH	MAX 0		MIN	0			TURNING:			00:00	01:	12 0.0
INDICATORS	NOT OUTOKED	ON 00/04/004	10				TO DUMP:			00:00	04:	43 0.0
INDICATORS LA	AST CHECKED (ON 09/01/201	19				CONNECTING:			00:00	00:	0.0
	ED OF DREDGE	DURING	F1	Γ/MIN		0	DUMPING:			00:00	02:	30 0.0
	ED OF DREDGE	DURING	F1	Γ/ΜΙΝ		0	DISCONNECTING:			00:00	00:	0.0
AGITATING GALLONS OF F	UEL OIL CONSU	JMED		GAL			TO CUT:			00:00	04:	
GALLONS OF W	VATER CONSUM	MED		GAL			TOTALS:			00:00	24:	0.0
						748	NON-EFFECTIVE WOR	KING TIME:			1	
		WORK PERFORM	MED	Т			TAKING ON FUEL AND			00:00	00:	0.0
NO.OF LOADS	TOTAL CYS	IND HAULING	AL AREA			L CYS	TO AND FROM WHARF ANCHORAGE: LOSS DUE TO NATURA			00:00	00:	0.0
9	21,285	ODN)	ELEMENTS: LOSS DUE TO TRAFFIG			00:00	00:	
							BRIDGES			00:00	00:	
							MINOR OPERATING RI			00:00	00:	
							WORKS	VLLIN		00:00	00:	
		ATTENDANT PL	ANT				LAY TIME:			00:00	00:	
IT	ЕМ	NAME OF	NUMBER	1	H.P.	HOURS	FIRE AND BOAT DRILL	S:		00:00	00:	
Crew	Boat	Cape	Anne		400	24:00	MISCELLANEOUS			00:00	00:	
Trav	wler	Wild D	ream II		600		TOTALS			00:00	00:	0.0
							LOST TIME: MAJOR REPAIRS AND		<u> </u>		1 00	
							ALTERNATIONS			00:00	00:	
							CESSATION:			00:00	00:	
							COLLISIONS:			00:00	00:	
							TOTAL TIME (MAIL ES)			00:00	00:	
							TOTAL TIME/MILES:			00:00	24:	0.0

		QUALITY CO	ONTROL REPORT-HOPPER	DREDGE	PAGE NO.	Page 48 of 95
ONTRACT NO W9127820F0		CONTRACT TITLE IDIQ Hopper Dredge for Pascago	CONTRACTo ula Harbor Dutra Dredgi		REPORT N	IO. 24
DREDGE		NAME AND TYPE M/V Columbia			DATE 07/16/20	20
		W/V COMMINIA	LOADS		L	
LOAD NUMBER		DREDGING AREA DISPOSAL AREA	START TIME STOP TIME	PUMPING TURNING	TO DUMP DUMPING TO CUT	TOTAL TIME DREDGED AMOUNT AGITATED AMOUNT
1	400+00 to 460	0+00	(HH:MM) 00:00	(MIN) 25	(MIN) 35	(MIN/CYS) 103
	ODMDS		00:33	8	35 0	2,365 0
2	400+00 to 460	0+00	01:43	83	37	187
	ODMDS		03:14	8	25 34	2,365 0
3	400+00 to 460	0+00	04:50	85	35	172
	ODMDS		06:23	8	10 34	2,365 0
4	400+00 to 460	D+00	07:42	70	37	156
	ODMDS		09:00	8	10 31	2,365 0
5	400+00 to 460	0+00	10:18	80	36	185
	ODMDS		11:46	8	27 34	2,365 0
6	400+00 to 460	0+00	13:23	72	33	172
	ODMDS		14:43	8	26 33	2,365 0
7	400+00 to 460	0+00	16:15	91	33	173
	ODMDS		17:54	8	7 34	2,365 0
8	400+00 to 460	0+00	19:08	68	33	163
	ODMDS		20:24	8	10 44	2,365 0
9	400+00 to 460	0+00	21:51	87	4	129
	ODMDS		23:26	8	0 30	2,365 0
ONTRACTO	OR CERTIFIC <i>E</i>	material used a	e contractor, I certify that thi nd work performed during t ifications, to the best of my	his Reporting period a	re in compliance wi	equipment and th the contract

			OL REPO	PORT-HOPPER DREDGE				GE NO.	Pa	ge 49 of 95			
CQNTRACT NO W9127820F0		CONTRACT TI		Pasca	goula Hai	rbor	CONTRACTOR Dutra Dredging Co.			RE	PORT NO.		25
CHARACTER C)F	X MAINTER	NANCE		NEW V	VORK					TE 07/17/2020		
DRED	OGE	HOPF	PER CAP:			4387 CY	AVG VOL OF BIN WAT	ΓER:	0 CY	AVG I	JNFILLED CAP:		0 CY
M/V Co	olumbia	NO. OF CF MEMBER			DREDG 15	E	OTHER PLANT	WORK SC	HEDULE	SHIFT	TS PER DAY	DAYS F	PER WEEK
LOCATI WOI		LOCATION CH				GED; STA		DISPOSAL A	REA USE	QTY D GROS	EPOSITED CL		IVE AND QTY FOR DA(CY) 545,218
		AVG LENGTH	OF CUT			6000 FT	AVG WIDTH OF CUT		450 FT	AVG [DIST TO DUMP		2 NM
CHARAC		DENSITY OF M	ATERIALS						2.60	GMS/L	ITER		2.60
MATE	RIAL	DENSITY OF W	ATER						1.0060	GMS/L	ITER@		84 °F
RIVER/ STA		MIN	0.90	TIME		01:00	MAX 1.65	TIME	12:00	GAGE	LOCATION Pas	cagoula	NOAA LAB
OIA.	OL .	MIN	0.00	TIME		00:00		TIME			DATUM MLI	_W	
WEATHER C	CONDITION	WEATHER Weather Caus	ed No Dela	av.			TEMP 80 °F / 95 °F	VISIBILITY 10 MI		WIND 10/W N	лрн		
		DRAFT	364 140 Dele	.y			00 1 7 30 1		ION OF TIM		MILES RUN		
	LIGHT		LOADED						AGITAT		DREDGE & HAUL (MIN)		IILES RUN NAUT MI)
FORWARD		10				18	EFFECTIVE WORKING	TIME:	(•,	1 ()		<u> </u>
AFT		12				17	PUMPING:			00:00	06:	17	0.0
DRAG DEPTH	MAX 0		<u> </u>	0			TURNING:			00:00	00:	40	0.0
							TO DUMP:			00:00	03:	18	0.0
INDICATORS L	AST CHECKED (KED ON 09/01/2019					CONNECTING:			00:00	00:	00	0.0
AVERAGE SPE	ED OF DREDGE	DURING	FT	/MIN		0	DUMPING:			00:00	01:	54	0.0
LOADING AVERAGE SPE	ED OF DREDGE	DURING	FT	/MIN	0		DISCONNECTING:			00:00	00:	00	0.0
AGITATING	UEL OIL CONSU	IMED		GAL			TO CUT:			00:00	03:	16	0.0
	VATER CONSUM			1,789			TOTALS:			00:00	00:00 15:25	25	0.0
GALLEGING OF V	WATER CONCOR	WED		748		748	NON-EFFECTIVE WOF	-EFFECTIVE WORKING TIME:					
		WORK PERFORI	MED				TAKING ON FUEL AND			00:00	00:	00	0.0
NO OF LOADS		AND HAULING			AGITATING TOTAL CYS		TO AND FROM WHARF OR ANCHORAGE:			00:00	00:	00	0.0
NO.OF LOADS 7	TOTAL CYS 14,190	1	AL AREA MDS			L CYS	LOSS DUE TO NATUR ELEMENTS:			00:00	00:	00	0.0
							LOSS DUE TO TRAFFI BRIDGES	C AND		00:00	00:	00	0.0
							MINOR OPERATING R			00:00	08:	35	0.0
							TRANSFERRING BETV WORKS	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 BOAT DRILI	_S:		00:00	00:	00	0.0
Tra	wler	Wild D	ream II		600	24:00	MISCELLANEOUS			00:00	00:	00	0.0
Crew	/ Boat	Cape	Anne		400		TOTALS			00:00	08:	35	0.0
							LOST TIME:		ı		1		
							MAJOR REPAIRS AND ALTERNATIONS			00:00	00:		0.0
							CESSATION:			00:00	00:	-	0.0
							COLLISIONS:			00:00	00:	-	0.0
							TOTALS:			00:00	00:	-	0.0
							TOTAL TIME/MILES:			00:00	24:	00	0.0

		QUALITY CO	NTROL REPORT-HOPPER	DREDGE	PAGE NO.	
NTPACT NO	1	CONTRACT TITLE	CONTRACTO		REPORT N	Page 50 of 9
WT278ZUO W9127820F01	บับา 140	IDIQ Hopper Dredge for Pascagou			KEFOKIT	10.
		NAME AND TYPE			DATE	
DREDGE		M/V Columbia			07/17/20	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
	400+00 to 460+	-00	(HH:MM) 00:00	(MIN) 0	(MIN) 28	(MIN/CYS) 52
1	ODMDS		00:00	0	24 0	2,365 0
2	400+00 to 460+	-00	00:52	82	33	183
2	ODMDS		02:22	8	25	2,365
	OBNIBO				35	0
3	400+00 to 460+	-00	03:55	68	34	154
J	ODMDS		05:11	8	11	2,365
					33	0
4	400+00 to 460+	-00	06:29	75	35	157
	ODMDS		07:52	8	12	2,365
					27	0
5	400+00 to 460+	-00	09:06	75	34	173
	ODMDS		10:29	8	21	2,365
					35	0
6	400+00 to 460+	-00	11:59	77	34	173
	ODMDS		13:24	8	21	2,365
					33	0
7	400+00 to 460+	-00	14:52	0	0	33
	ODMDS		14:52	U	0 33	0
C NARRATI	VE(S)					

QC REPRESENTATIVE'S SIGNATURE		DATE	SUPERINTENDENT'S INITIALS	DATE
			knowledge, except as noted above.	
CONTRACTOR CERTIFICATION			his Reporting period are in complia	
I CONTRACTOR CERTIFICATION	On hehalf of the	a contractor. I cortify that thi	is Report is complete and correct ar	nd all equinment and

	QUALITY CONTROL F				OL REPO	ORT-HOPPER DREDO	GE		PA	GE NO.	Page 51 of 95	
CQNTRACT NO W9127820F0		CONTRACT TI		Pasca	goula Hai	rbor	CONTRACTOR Dutra Dredging Co.			RE	PORT NO.	26
CHARACTER C)F	X MAINTEN	NANCE		NEW V	VORK					TE 07/18/2020	
DRED	OGE	HOPF	PER CAP:			4387 CY	AVG VOL OF BIN WAT	ER:	0 CY	AVG	JNFILLED CAP:	0 CY
M/V Co	olumbia	NO. OF CF MEMBEF			DREDG	E	OTHER PLANT	WORK SC	HEDULE	SHIFT	S PER DAY	DAYS PER WEEK
LOCATI WOI		LOCATION CH	.			SED; STA		DISPOSAL A	REA USE	QTY D GROS	EPOSITED CU	MULATIVE AND QTY EPOSIT FOR DA(CY) 545,218
		AVG LENGTH	OF CUT			6000 FT	AVG WIDTH OF CUT		450 FT	AVG [DIST TO DUMP	2 NM
CHARAC		DENSITY OF MA	ATERIALS						2.60	GMS/L	ITER	2.60
MATE	RIAL	DENSITY OF W	ATER						1.0060	GMS/L	ITER@	84 °F
RIVER/ STA		MIN	0.90	TIME	_	01:00	MAX 1.65	TIME	12:00	GAGE	LOCATION Pase	cagoula NOAA LAB
OIA.	<u> </u>	MIN	0.00	TIME		00:00		TIME			DATUM MLL	W
WEATHER C	ONDITION	WEATHER Weather Caus	ed No Dela	av			TEMP 80 °F / 95 °F	VISIBILITY 10 MI		WIND 5/E MF	DH.	
		DRAFT	ed No Dele	шу			00 1 7 30 1		ION OF TIM		MILES RUN	
	LIGHT		LOADED						AGITAT		DREDGE & HAUL (MIN)	MILES RUN (NAUT MI)
FORWARD		10				18	EFFECTIVE WORKING	TIME:	1 (•,	o_ ()	(1.0.10 1 1111)
AFT		12				17	PUMPING:			00:00	00:0	0.0
DRAG DEPTH	MAX 0		MIN	0			TURNING:			00:00	00:0	0.0
							TO DUMP:			00:00	00:0	0.0
INDICATORS L	AST CHECKED (ED ON 09/01/2019					CONNECTING:			00:00	00:0	0.0
AVERAGE SPE	ED OF DREDGE	DURING	F	T/MIN		0	DUMPING:			00:00	00:0	0.0
LOADING AVERAGE SPE	ED OF DREDGE	DURING	F	T/MIN			DISCONNECTING:			00:00	00:0	0.0
AGITATING GALLONS OF F	UEL OIL CONSI	JMED		GAL	GAL 0		то сит:			00:00	00:0	0.0
	VATER CONSUM						TOTALS:			00:00	00:00	0.0
GALLEGING OF V	WATER CONCOR	NLD		O/ (L	748		NON-EFFECTIVE WOR	EFFECTIVE WORKING TIME:				
	,	WORK PERFORM	MED				TAKING ON FUEL AND			00:00	00:0	0.0
NO OF LOADS		AND HAULING				ATING	TO AND FROM WHAR! ANCHORAGE:			00:00	00:0	0.0
NO.OF LOADS	TOTAL CYS	DISPOSA	AL AREA		TOTA	L CYS	LOSS DUE TO NATUR. ELEMENTS:			00:00	00:0	0.0
							LOSS DUE TO TRAFFI BRIDGES	C AND		00:00	00:0	0.0
							MINOR OPERATING R			00:00	24:0	0.0
							TRANSFERRING BETV WORKS	VEEN		00:00	00:0	0.0
		ATTENDANT PL	ANT				LAY TIME:			00:00	00:0	0.0
IT	EM	NAME OF	R NUMBER	R	H.P.	HOURS	FIRE AND BOAT DRILL	.S:		00:00	00:0	0.0
Crew	Boat	Cape	Anne		400	24:00	MISCELLANEOUS			00:00	00:0	0.0
Tra	wler	Wild D	ream II		600		TOTALS			00:00	24:0	0.0
							LOST TIME:		ı		1	1
							MAJOR REPAIRS AND ALTERNATIONS			00:00	00:0	
							CESSATION:			00:00	00:0	
							COLLISIONS:			00:00	00:0	
							TOTALS:			00:00	00:0	
							TOTAL TIME/MILES:			00:00	24:0	0.0

		QUALITY C	ONTROL REPORT-	HOPPER	DREDGE	P	AGE NO.	Page 52 of 95
CONTRACTINOUU1 W9127820F0140	CONTRACT 1	TTLE Dredge for Pascago		ONTRACTO utra Dredgir		R	EPORT NO.	26
DREDGE	NAME AND T	/PE				D	ATE 07/18/2020	
QC NARRATIVE(S)	M/V Columbia	l					01710/2020	
QO NAMATIVE(O)								
CONTRACTOR CERTIFIC	CATION	On hahalf of th	o contractor co-4:	fu that th	s Donortia commis	to and sourcet	and all accident	ont and
OUNTRACTUR CERTIFIC	CATION	material used a plans and spec	e contractor, I certi ind work performed ifications, to the be	iy that this I during the est of my l	s Report is comple nis Reporting perio knowledge, except	เษ สกิต correct a d are in compli as noted above	and all equipme ance with the de-	ent and contract
QC REPRESENTATIVE'S	SIGNATURE		DATE		SUPERINTENDEN		DATE	

QUALITY CONTROL R					OL REPO	RT-HOPPER DREDG	SE .		PA	GE NO.	Page 53 of 95	
CONTRACT NO W9127820F0		CONTRACT TI		Pasca	goula Hai	rbor	CONTRACTOR Dutra Dredging Co.			RE	PORT NO.	27
CHARACTER O	F	X MAINTEN	IANCE		NEW V	VORK					ATE 07/19/2020	
DRED	GE	HOPF	ER CAP:			4387 CY	AVG VOL OF BIN WAT	ER:	0 CY	AVG l	JNFILLED CAP:	0 CY
M/V Co	lumbia	NO. OF CF MEMBEF			DREDG 15	E	OTHER PLANT	WORK SCI	HEDULE	SHIFT	S PER DAY	DAYS PER WEEK
LOCATION		LOCATION CH				GED; STA		DISPOSAL A	REA USE	QTY D	EPOSITED CL	MULATIVE AND QTY EPOSIT FOR DA(CY) 566,503
		AVG LENGTH	•			6000 FT	AVG WIDTH OF CUT		450 FT	AVG E	DIST TO DUMP	2 NM
CHARAC		DENSITY OF MA	ATERIALS						2.60	GMS/LI	ITER	2.60
MATER	RIAL	DENSITY OF W	ATER						1.0060	GMS/LI	TER@	84 °F
RIVER/		MIN	0.90	TIME		01:00	MAX 1.65	TIME	12:00	GAGE	LOCATION Pas	cagoula NOAA LAB
SIA	3 E	MIN	0.00	TIME		00:00		TIME			DATUM MLI	LW
WEATHER C	ONDITION	WEATHER Weather Caus	ed No Dela	ay			TEMP 80 °F / 90 °F	VISIBILITY 10 MI		WIND 10/N M	1PH	
		DRAFT						DISTRIBUT	ION OF TIM	IE AND	MILES RUN	
	LIGHT		LOADED						AGITAT (MIN		DREDGE & HAUL (MIN)	MILES RUN (NAUT MI)
FORWARD		10				18	EFFECTIVE WORKING	TIME:				
AFT		12				17	PUMPING:			00:00	09:	59 0.0
DRAG DEPTH	MAX 0		MIN	0			TURNING:			00:00	01:	0.0
INDICATORS LA	AST CHECKED (ON 09/01/201	9				TO DUMP:			00:00	03:	53 0.0
	SHOER OF GINEBRED ON CONTROL						CONNECTING:			00:00	00:	
AVERAGE SPEI	ED OF DREDGE	DURING	F	Γ/ΜΙΝ		0	DUMPING:			00:00	02:	
	ED OF DREDGE	DURING	F	Γ/ΜΙΝ		0	DISCONNECTING: TO CUT:			00:00	00:	
	UEL OIL CONSU	JMED		GAL	1,462		TOTALS:			00:00	04:	
GALLONS OF W	VATER CONSUM	MED		GAL 748			NON-EFFECTIVE WORKING TIME:			00.00	22.	0.0
	١	WORK PERFORM	ИED				TAKING ON FUEL AND SUPPLIES			00:00	00:	0.0
	DREDGING A	ND HAULING			AGITATING		TO AND FROM WHARF OR ANCHORAGE:			00:00	00:	0.0
NO.OF LOADS	TOTAL CYS 21,285	DISPOSA	AL AREA			L CYS	LOSS DUE TO NATURAL			00:00	00:	0.0
-	21,200	33.					ELEMENTS: LOSS DUE TO TRAFFIC AND BRIDGES			00:00	00:	0.0
							MINOR OPERATING RI	EPAIRS		00:00	01:	55 0.0
							TRANSFERRING BETV WORKS	VEEN		00:00	00:	0.0
		L ATTENDANT PLA	ANT				LAY TIME:			00:00	00:	0.0
IT	 EM	Γ	NUMBER	. [Н.Р.	HOURS	FIRE AND BOAT DRILL	S:		00:00	00:	0.0
Crew		Cape			400	24:00	MISCELLANEOUS			00:00	00:	0.0
Trav		Wild D			600	24.00	TOTALS			00:00	01:	0.0
irav	WIGI	VVIII D	Cant II		000		LOST TIME:					
							MAJOR REPAIRS AND ALTERNATIONS			00:00	00:	0.0
							CESSATION:			00:00	00:	0.0
							COLLISIONS:			00:00	00:	0.0
							TOTALS:			00:00	00:	0.0
							TOTAL TIME/MILES:			00:00	24:	0.0

NUMBER DISPOSAL AREA DISPOSAL	DATE ORDER ORDER ORTHOGOLOMBIA ORTHO	Did			QUALITY CC	ONTROL REPORT-HOPPER	DREDGE	PAGE NO.	Page 54 of 9
DREDGE M/V Columbia LOADS LOAD	Columbia Columbia	NUMBER		1001				REPORT N	
LOADS	Company	LOADS LOAD	DREDGE					DATE 07/19/202	20
NUMBER DISPOSAL AREA STOP TIME TURNING DUMPING ACRIFATE ACRIFATE	STOP TIME TURNING DUMPING DREDGED AMOUNT AGITATED AMOUNT (MIN) (NUMBER DISPOSAL AREA DISPOSAL		IVI	Columbia	LOADS		I	
1	00:00 66 34 126 01:14 8 18 2,365 02:06 72 32 216 03:26 8 67 2,365 37 0 0 05:42 0 0 0 05:42 0 0 0 05:42 74 27 153 07:04 8 12 2,365 32 0 08:15 72 33 180 09:35 8 28 2,365 39 0 11:15 67 32 170 12:30 8 23 2,365 40 0 14:05 84 29 168 15:37 8 10 2,365 37 0 16:53 75 33 165 18:16 8 10 2,365 39 0 19:38 89 13 147 21:15 8 0 2,365	1 400+00 to 460+00 ODMDS 01:14 8 18 2,365 ODMDS 02:06 72 32 216 ODMDS 03:26 8 67 2,365 37 0 0 3 2 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0				STOP TIME	TURNING	DUMPING TO CUT	DREDGED AMOUN AGITATED AMOUN
2	02:06 72 32 216 03:26 8 67 2,365 37 0 0 0 05:42 0 0 0 2,365 0 0 0 2,365 0 0 0 0 05:42 74 27 153 07:04 8 12 2,365 32 0 0 08:15 72 33 180 09:35 8 28 2,365 39 0 0 11:15 67 32 170 12:30 8 23 2,365 40 0 0 14:05 84 29 168 15:37 8 10 2,365 37 0 0 16:53 75 33 165 18:16 8 10 2,365 39 0 0 19:38 89 13 147 21:15 8 0 2,365	2 400+00 to 460+00	1			00:00	66	34	126
ODMDS	03:26 8 67 2,365 37 0 05:42 0 0 0 05:42 0 0 2,365 0 0 0 05:42 74 27 153 07:04 8 12 2,365 32 0 08:15 72 33 180 09:35 8 28 2,365 39 0 11:15 67 32 170 12:30 8 23 2,365 40 0 0 14:05 84 29 168 15:37 8 10 2,365 37 0 16:53 75 33 165 18:16 8 10 2,365 39 0 19:38 89 13 147 21:15 8 0 2,365	2 ODMDS 03:26 8 67 2,365 3 400+00 to 460+00 05:42 0 0 0 0DMDS 05:42 0 0 0 2,365 4 400+00 to 460+00 05:42 74 27 153 0DMDS 07:04 8 12 2,365 32 0 5 400+00 to 460+00 08:15 72 33 180 0DMDS 09:35 8 28 2,365 39 0 0 6 400+00 to 460+00 11:15 67 32 170 0DMDS 12:30 8 23 2,365 40 0 0 0 7 400+00 to 460+00 14:05 84 29 168 0DMDS 15:37 8 10 2,365 8 400+00 to 460+00 16:53 75 33 165 0DMDS 18:16 8 10 2,365 9 400+00 to 460+00 19:38 89 13 147 0DMDS 19:38 89 13 147 0DMDS 19:38 89 13 0						-	
3	05:42 0 0 0 05:42 0 0 2,365 0 0 0 05:42 74 27 153 07:04 8 12 2,365 32 0 08:15 72 33 180 09:35 8 28 2,365 39 0 11:15 67 32 170 12:30 8 23 2,365 40 0 14:05 84 29 168 15:37 8 10 2,365 37 0 16:53 75 33 165 18:16 8 10 2,365 39 0 19:38 89 13 147 21:15 8 0 2,365	3 400+00 to 460+00 ODMDS 05:42 O O ODMDS 0 ODMDS	2					67	2,365
ODMDS OD	05:42 0 0 2,365 05:42 74 27 153 07:04 8 12 2,365 32 0 08:15 72 33 180 09:35 8 28 2,365 39 0 11:15 67 32 170 12:30 8 23 2,365 40 0 14:05 84 29 168 15:37 8 10 2,365 37 0 16:53 75 33 165 18:16 8 10 2,365 39 0 19:38 89 13 147 21:15 8 0 2,365	ODMDS OD		400+00 to 460+00		05:42	0		
ODMDS OD	07:04 8 12 2,365 08:15 72 33 180 09:35 8 28 2,365 39 0 11:15 67 32 170 12:30 8 23 2,365 40 0 14:05 84 29 168 15:37 8 10 2,365 37 0 16:53 75 33 165 18:16 8 10 2,365 39 0 19:38 89 13 147 21:15 8 0 2,365	ODMDS	3	ODMDS				0	·
5 400+00 to 460+00 08:15 72 33 1: ODMDS 09:35 8 28 2; 6 400+00 to 460+00 11:15 67 32 1 ODMDS 12:30 8 23 2; 40 40 40 40 7 400+00 to 460+00 14:05 84 29 10 ODMDS 15:37 8 10 2; 8 400+00 to 460+00 16:53 75 33 11 ODMDS 18:16 8 10 2; 9 400+00 to 460+00 19:38 89 13 1. ODMDS 21:15 8 0 2; 37 0 37 0	08:15 72 33 180 09:35 8 28 2,365 39 0 11:15 67 32 170 12:30 8 23 2,365 40 0 0 14:05 84 29 168 15:37 8 10 2,365 37 0 16:53 75 33 165 18:16 8 10 2,365 39 0 19:38 89 13 147 21:15 8 0 2,365	5 400+00 to 460+00 ODMDS 08:15 72 33 180 28 2,365 39 0 6 400+00 to 460+00 ODMDS 11:15 67 32 170 233 23 2,365 40 0 7 400+00 to 460+00 ODMDS 12:30 8 23 2,365 40 0 8 400+00 to 460+00 ODMDS 14:05 84 29 168 10 2,365 37 0 8 400+00 to 460+00 ODMDS 16:53 75 33 165 0 9 400+00 to 460+00 ODMDS 19:38 89 13 147 0 9 400+00 to 460+00 ODMDS 19:38 89 13 147 0 9 400+00 to 460+00 ODMDS 19:38 89 13 147 0 9 400+00 to 460+00 ODMDS 19:38 89 13 147 0 9 400+00 to 460+00 ODMDS 19:38 89 13 147 0	4	400+00 to 460+00					
ODMDS OD	09:35 8 28 2,365 39 0 11:15 67 32 170 12:30 8 23 2,365 40 0 14:05 84 29 168 15:37 8 10 2,365 37 0 16:53 75 33 165 18:16 8 10 2,365 39 0 19:38 89 13 147 21:15 8 0 2,365	ODMDS				07:04		32	
6	11:15 67 32 170 12:30 8 23 2,365 40 0 14:05 84 29 168 15:37 8 10 2,365 37 0 16:53 75 33 165 18:16 8 10 2,365 39 0 19:38 89 13 147 21:15 8 0 2,365	6	5						
ODMDS 12:30 8 23 40 40 7 400+00 to 460+00 ODMDS 14:05 84 29 10 2,3 37 8 400+00 to 460+00 ODMDS 16:53 75 33 10 ODMDS 18:16 8 10 2,3 39 9 400+00 to 460+00 19:38 89 13 10 2,3 37 6 20 20 21:15 8 0 23 24 25 25 26 27 28 29 10 20 20 20 20 20 20 20 20 20	12:30 8 23 2,365 40 0 14:05 84 29 168 15:37 8 10 2,365 37 0 16:53 75 33 165 18:16 8 10 2,365 39 0 19:38 89 13 147 21:15 8 0 2,365	ODMDS 12:30 8 23 400 0 7 400+00 to 460+00 ODMDS 14:05 84 29 168 0,365 37 0 8 400+00 to 460+00 ODMDS 16:53 75 33 165 ODMDS 18:16 8 10 2,365 37 0 9 400+00 to 460+00 ODMDS 19:38 89 13 147 ODMDS 2,365 37 0						39	0
7	14:05 84 29 168 15:37 8 10 2,365 37 0 16:53 75 33 165 18:16 8 10 2,365 39 0 19:38 89 13 147 21:15 8 0 2,365	7	6					23	2,365
ODMDS 15:37 8 10 2,3 37 8 400+00 to 460+00 ODMDS 16:53 75 33 10 2,3 39 9 400+00 to 460+00 ODMDS 19:38 89 13 10 2,3 39 0 0 0 0 0 0 0 0 0 0 0 0 0	15:37 8 10 2,365 37 0 16:53 75 33 165 18:16 8 10 2,365 39 0 19:38 89 13 147 21:15 8 0 2,365	ODMDS 15:37 8 10 2,365 37 0 8 400+00 to 460+00 ODMDS 16:53 75 33 165 2,365 39 0 9 400+00 to 460+00 ODMDS 19:38 89 13 147 ODMDS 23:65 37 0		400+00 to 460+00		14.05	0.4		
ODMDS 18:16 8 10 39 400+00 to 460+00 ODMDS 19:38 89 13 10 2,3 80 10 39 10 39 10 39 10 39 10 39 10 39 10 10 39 10 10 39 10 10 39 10 10 39 10 10 39 10 10 10 10 10 10 10 10 10 1	18:16 8 10 2,365 39 0 19:38 89 13 147 21:15 8 0 2,365	ODMDS 18:16 8 10 2,365 39 0 9 400+00 to 460+00 ODMDS 19:38 89 13 147 21:15 8 0 2,365 37 0	7					10	2,365
ODMDS 18:16 8 10 39 400+00 to 460+00 ODMDS 19:38 89 13 1. ODMDS 21:15 8 0 2,3 37	19:38 89 13 147 21:15 8 0 2,365	ODMDS 18:16 8 10 2,365 39 0 400+00 to 460+00 ODMDS 19:38 89 13 147 2,365 0 2365 39 0 0 19:38 7 10 10 10 10 10 10 10 10 10	8	400+00 to 460+00		16:53	75	33	165
ODMDS 21:15 8 0 2,3	21:15 8 0 2,365	ODMDS 21:15 8 0 2,365 37 0	G	ODMDS		18:16	8		·
			9					0	2,365
			C NARRAT	IVE(S)					
ONTRACTOR 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.	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	material used and work performed during this Reporting period are in compliance with the contract	ONTRACTO	OR CERTIFICATION	material used an	nd work performed during the	his Reporting period a	are in compliance wi	equipment and th the contract

					OL REPO	PORT-HOPPER DREDGE				GE NO.	Page 55 of 95	
CQNTRACT_NO W9127820F0		CONTRACT TI		Pasca	goula Hai	rbor	CONTRACTOR Dutra Dredging Co.			RE	PORT NO.	28
CHARACTER O	F	X MAINTEN	IANCE] NEW V	VORK					ATE 07/20/2020	-
DRED	GE	HOPF	ER CAP:			4387 CY	AVG VOL OF BIN WAT	ER:	0 CY	AVG l	JNFILLED CAP:	0 CY
M/V Co	lumbia	NO. OF CF MEMBEF			DREDG 15	E	OTHER PLANT	WORK SCI	HEDULE	SHIFT	S PER DAY	DAYS PER WEEK
LOCATION		LOCATION CH				GED; STA		DISPOSAL A	REA USE	QTY D	EPOSITED CL	MULATIVE AND QTY EPOSIT FOR DA(CY) 587,788
		AVG LENGTH		100 0		6000 FT	AVG WIDTH OF CUT	1	450 FT	AVG E	DIST TO DUMP	2 NM
CHARAC	TER OF	DENSITY OF MA	ATERIALS						2.60	GMS/LI	TER	2.60
MATER	RIAL	DENSITY OF W	ATER						1.0060	GMS/LI	TER@	84 °F
RIVER/		MIN	0.40	TIME		20:22	MAX 2.51	TIME	10:24	GAGE		1533 Pascagoula AA Lab, MS
OTA:	<u></u>	MIN	0.00	TIME		00:00		TIME			DATUM MLL	W
WEATHER C	ONDITION	WEATHER Weather Caus	ed No Dela	ay			TEMP 80 °F / 90 °F	VISIBILITY 10 MI		WIND 10/N M	1PH	
		DRAFT						DISTRIBUT	ION OF TIM	IE AND	MILES RUN	
	LIGHT		LOADED						AGITAT (MIN		DREDGE & HAUL (MIN)	MILES RUN (NAUT MI)
FORWARD		10				18	EFFECTIVE WORKING	TIME:				
AFT		12				17	PUMPING:			00:00	10::	26 0.0
DRAG DEPTH	MAX 0		MIN	0			TURNING:			00:00	01:	12 0.0
INDICATORS LA	AST CHECKED (ON 09/01/201	9				TO DUMP:			00:00	04:	34 0.0
	ONG EACT CHECKED ON 03/01/2019						CONNECTING:			00:00	00:	0.0
AVERAGE SPEI	ED OF DREDGE	DURING	FT	Г/МІМ		0	DUMPING:			00:00	02:	
	ED OF DREDGE	DURING	FT	Γ/ΜΙΝ		0	DISCONNECTING:			00:00	00:	
	UEL OIL CONSU	JMED		GAL	1,769		TO CUT: TOTALS:			00:00	05:	
GALLONS OF W	VATER CONSUM	1ED		GAL	GAL 748		-			00:00	24:	0.0
	\	WORK PERFORM	/IED	740			TAKING ON FUEL AND SUPPLIES			00:00	00:	0.0
	DREDGING A	ND HAULING			AGITA	ATING	TO AND FROM WHARF OR			00:00	00:	
NO.OF LOADS	TOTAL CYS	_	AL AREA		AGITATING TOTAL CYS		ANCHORAGE: LOSS DUE TO NATURAL			00:00	00:	
10	21,285	ODN	/IDS		(0	ELEMENTS: LOSS DUE TO TRAFFIC AND BRIDGES			00:00	00:	0.0
							MINOR OPERATING RI	EPAIRS		00:00	00:	0.0
							TRANSFERRING BETW WORKS	VEEN		00:00	00:	0.0
		ATTENDANT PLA	ANT				LAY TIME:			00:00	00:	0.0
ıT			NUMBER	.	н.р.	HOURS	FIRE AND BOAT DRILL	S:		00:00	00:	0.0
				1			MISCELLANEOUS			00:00	00:	0.0
Crew		Cape			400	24:00	TOTALS			00:00	00:	0.0
Trav	wier	Wild D	ream II		600		LOST TIME:					
							MAJOR REPAIRS AND ALTERNATIONS			00:00	00:	0.0
							CESSATION:			00:00	00:	0.0
							COLLISIONS:			00:00	00:	0.0
							TOTALS:			00:00	00:	0.0
							TOTAL TIME/MILES:			00:00	24:	0.0

		QUALITY	ONTROL REPORT-HOPPER	DREDGE		Page 56 of 95
QNTRACT NO W9127820F0 W9127820F0		CONTRACT TITLE IDIQ Hopper Dredge for Pascag	CONTRACT oula Harbor Dutra Dredgi		REPORT N	
DREDGE		NAME AND TYPE			DATE 07/20/20	20
		M/V Columbia	LOADS		0.720,20	
LOAD NUMBER		DREDGING AREA DISPOSAL AREA	START TIME STOP TIME	PUMPING TURNING	TO DUMP DUMPING TO CUT	TOTAL TIME DREDGED AMOUNT AGITATED AMOUNT
1	400+00 to 460	0+00	(HH:MM) 00:00	(MIN)	(MIN) 20	(MIN/CYS) 38
'	ODMDS		00:00	0	18 0	0
2	400+00 to 460)+00	00:38	60	37	166
	ODMDS		01:46	8	25 36	2,365 0
3	400+00 to 460	0+00	03:24	70	31	156
3	ODMDS		04:42	8	11	2,365
					36	0
4	400+00 to 460)+00	06:00 07:33	85 8	28 10	171 2,365
	ODMDS		07.33	0	40	2,365
5	400+00 to 460)+00	08:51	66	32	154
3	ODMDS		10:05	8	10	2,365
					38	0
6	400+00 to 460)+00	11:25 12:36	63 8	32 20	163 2,365
	ODMDS		12.30	Ü	40	0
7	400+00 to 460)+00	14:08	68	33	168
,	ODMDS		15:24	8	21	2,365
					38	0
8	400+00 to 460)+00	16:56 17:54	50 8	26 10	131 2,365
	ODMDS		17.04	Ŭ	37	0
9	400+00 to 460)+00	19:07	91	32	177
	ODMDS		20:46	8	10	2,365
	400+00 to 460	2.00	20:04	70	36	0
10	0DMDS)+UU	22:04 23:25	73 8	3 0	116 2,365
	ODMDS		20.20	-	32	0
C NARRATI	VE(S)					
ONTRACTO	R CERTIFICA	material used a	e contractor, I certify that th and work performed during t	his Reporting period a	and correct and all e are in compliance wi noted above.	equipment and ith the contract

·					OL REPO	PORT-HOPPER DREDGE				GE NO.	Page 57 of 95	
CONTRACT NO W9127820F0		CONTRACT TI		Pasca	goula Hai	rbor	CONTRACTOR Dutra Dredging Co.			RE	PORT NO.	29
CHARACTER O	F	X MAINTEN	IANCE] NEW V	VORK					ATE 07/21/2020	· · · · · · · · · · · · · · · · · · ·
DRED	GE	HOPF	ER CAP:			4387 CY	AVG VOL OF BIN WAT	ER:	0 CY	AVG l	JNFILLED CAP:	0 CY
M/V Co	lumbia	NO. OF CF MEMBEF			DREDG 15	E	OTHER PLANT	WORK SCI	HEDULE	SHIFT	S PER DAY	DAYS PER WEEK
LOCATION		LOCATION CH				GED; STA		DISPOSAL A	REA USE	QTY D	EPOSITED CL	MULATIVE AND QTY EPOSIT FOR DA(CY) 606,708
		AVG LENGTH	•			6000 FT	AVG WIDTH OF CUT	1	450 FT	AVG E	DIST TO DUMP	2 NM
CHARAC	TER OF	DENSITY OF MA	ATERIALS						2.60	GMS/LI	TER	2.60
MATER	RIAL	DENSITY OF W	ATER						1.0060	GMS/LI	TER@	84 °F
RIVER/		MIN	0.40	TIME		20:22	MAX 2.51	TIME	10:24	GAGE		1533 Pascagoula AA Lab, MS
OTA:		MIN	0.00	TIME		00:00		TIME			DATUM MLI	W
WEATHER C	ONDITION	WEATHER Weather Caus	ed No Dela	ay			TEMP 82 °F / 92 °F	VISIBILITY 10 MI		WIND 10/N M	1PH	
		DRAFT						DISTRIBUT	ION OF TIM	E AND	MILES RUN	
	LIGHT		LOADED						AGITAT (MIN		DREDGE & HAUL (MIN)	MILES RUN (NAUT MI)
FORWARD		10				18	EFFECTIVE WORKING	TIME:				•
AFT		12				17	PUMPING:			00:00	09:	0.0
DRAG DEPTH	MAX 0		MIN	0			TURNING:			00:00	01:	0.0
INDICATORS	NOT OUTOKED	ON 00/04/004	10				TO DUMP:			00:00	04:-	13 0.0
INDICATORS LA	ATORS LAST CHECKED ON 09/01/2019						CONNECTING:			00:00	00:	0.0
	ED OF DREDGE	DURING	FT	Γ/MIN		0	DUMPING:			00:00	01:	59 0.0
	ED OF DREDGE	DURING	FT	Γ/ΜΙΝ		0	DISCONNECTING:			00:00	00:	0.0
AGITATING GALLONS OF F	UEL OIL CONSU	JMED		GAL			TO CUT:			00:00	05:	
GALLONS OF W	VATER CONSUM	MED		GAL			TOTALS:			00:00	22:	0.0
				935		935	NON-EFFECTIVE WORKING TIME:				T	
		WORK PERFORM	MED	Т			TAKING ON FUEL AND SUPPLIES TO AND FROM WHARF OR			00:00	00:	0.0
NO.OF LOADS	TOTAL CYS	IND HAULING	AL AREA		AGITATING TOTAL CYS		ANCHORAGE:			00:00	00:	0.0
10	18,920	ODN)	LOSS DUE TO NATURAL ELEMENTS: LOSS DUE TO TRAFFIC AND			00:00	00:	
							BRIDGES			00:00	00:	
							MINOR OPERATING RI			00:00	01:	
							WORKS	VLLIN		00:00	00:	
		ATTENDANT PLA	ANT				LAY TIME:			00:00	00:	
IT	ЕМ	NAME OF	NUMBER	1	H.P.	HOURS	FIRE AND BOAT DRILL	S:		00:00	00:	
Crew	Boat	Cape	Anne		400	24:00	MISCELLANEOUS			00:00	00:	
Trav	wler	Wild D	ream II		600		TOTALS			00:00	01:	51 0.0
							LOST TIME: MAJOR REPAIRS AND		<u> </u>			
							ALTERNATIONS			00:00	00:	
							CESSATION:			00:00	00:	
							COLLISIONS:			00:00	00:	
							TOTAL TIME (MAIL ES)			00:00	00:	
							TOTAL TIME/MILES:			00:00	24:	0.0

			QUALITY CONTR	OL REPORT-HOPPER	DREDGE	PAGE NO	Page 58 of 95
QNTRACT NO W9127820F0		CONTRACT TITLE IDIQ Hopper Dredg	e for Pascagoula Ha	CONTRACT rbor Dutra Dredg		REPORT I	
DREDGE		NAME AND TYPE M/V Columbia				DATE 07/21/20)20
		W/V Columbia		LOADS			<u> </u>
LOAD NUMBER		DREDGING ARE DISPOSAL AREA		START TIME STOP TIME	PUMPING TURNING	TO DUMP DUMPING TO CUT	TOTAL TIME DREDGED AMOUNT AGITATED AMOUNT
1	400+00 to 460)+00		(HH:MM) 00:00	(MIN)	(MIN) 27	(MIN/CYS) 45
'	ODMDS			00:00	0	18 0	0
2	400+00 to 460)+00		00:45	68	31	165
	ODMDS			02:01	8	20 38	2,365 0
3	400+00 to 460)+00		03:30	60	30	144
3	ODMDS			04:38	8	10	2,365
						36	0
4	400+00 to 460)+00		05:54 07:09	67 8	33 10	155 2,365
	ODMDS			07.09		37	0
5	400+00 to 460)+00		08:29	66	32	146
J	ODMDS			09:43	8	10	2,365
	400.004.400			44.04	0.4	30	0
6	400+00 to 460 ODMDS)+UU		11:34 12:43	61 8	34 21	160 2,365
	ODIVIDS					36	0
7	400+00 to 460)+00		14:14	76	31	165
	ODMDS			15:38	8	10 40	2,365 0
	400+00 to 460	1+00		18:11	79	32	162
8	ODMDS			19:38	8	10	2,365
						33	0
9	400+00 to 460)+00		20:53	71	33	162
	ODMDS			22:12	8	10 40	2,365 0
10	400+00 to 460)+00		23:35	0	0	25
10	ODMDS			23:35	0	0	0
						25	0
C NARRATI							
ONTRACTO	R CERTIFICA		behalf of the cont terial used and wo	ractor, I certify that th	is Report is complete	and correct and all	equipment and ith the contract

				OL REPO	PORT-HOPPER DREDGE				GE NO.	Page 59 of 95		
CQNTRACT NO W9127820F0		CONTRACT TI		Pasca	goula Hai	bor	CONTRACTOR Dutra Dredging Co.			RE	PORT NO.	30
CHARACTER C)F	X MAINTER	NANCE		NEW V	VORK					ATE 07/22/2020	
DRED	OGE	HOPF	PER CAP:			4387 CY	AVG VOL OF BIN WAT	ER:	0 CY	AVG I	JNFILLED CAP:	0 CY
M/V Co	olumbia	NO. OF CF MEMBER			DREDG 15	E	OTHER PLANT	WORK SC	HEDULE	SHIFT	S PER DAY	DAYS PER WEEK
LOCATI WOI		LOCATION CF				GED; STA		DISPOSAL A	REA USE	QTY D GROS	EPOSITED CU	MULATIVE AND QTY EPOSIT FOR DA(CY) 623,263
		AVG LENGTH	OF CUT			6000 FT	AVG WIDTH OF CUT		450 FT	AVG [DIST TO DUMP	2 NM
CHARAC		DENSITY OF M	ATERIALS						2.60	GMS/L	ITER	2.60
MATE	RIAL	DENSITY OF W	ATER						1.0060	GMS/L	ITER@	84 °F
RIVER/ STA		MIN	0.62	TIME		21:06	MAX 2.65	TIME	10:18	GAGE		1533 Pascagoula AA Lab, MS
OIA.	OL .	MIN	0.00	TIME		00:00		TIME			DATUM MLL	W
WEATHER C	CONDITION	WEATHER Weather Caus	ed No Dela	ıv.			TEMP 75 °F / 92 °F	VISIBILITY 10 MI		WIND 31 SE	MPH	
		DRAFT	364 140 Dela	.y			70 1 7 32 1		ION OF TIM		MILES RUN	
	LIGHT		LOADED						AGITAT		DREDGE & HAUL (MIN)	MILES RUN (NAUT MI)
FORWARD		10				18	EFFECTIVE WORKING	TIME:		,	- (/	1 \ - /
AFT		12				17	PUMPING:			00:00	06:	50 0.0
DRAG DEPTH	MAX 0		MIN	0			TURNING:			00:00	00:2	24 0.0
							TO DUMP:			00:00	03:	59 0.0
INDICATORS L	AST CHECKED (ECKED ON 09/01/2019					CONNECTING:			00:00	00:0	0.0
	ED OF DREDGE	DURING	FT	/MIN		0	DUMPING:			00:00	01:	57 0.0
LOADING AVERAGE SPE	ED OF DREDGE	DURING	FT	/MIN	N 0		DISCONNECTING:			00:00	00:0	0.0
AGITATING GALLONS OF F	UEL OIL CONSU	JMED		GAL			то сит:			00:00	04:	0.0
GALLONS OF V	VATER CONSUM	ИED		GΔI		•	TOTALS:				17:	0.0
				935		935	NON-EFFECTIVE WOR	EFFECTIVE WORKING TIME:			ı	
		WORK PERFORI	MED				TAKING ON FUEL AND			00:00	00:0	0.0
NO.OF LOADS		AND HAULING	AL AREA		AGITATING TOTAL CYS		TO AND FROM WHARF OR ANCHORAGE: LOSS DUE TO NATURAL			00:00	00:0	0.0
8	16,555	1	MDS)	ELEMENTS:			00:00	04:4	
							LOSS DUE TO TRAFFI BRIDGES			00:00	00:0	
							MINOR OPERATING R TRANSFERRING BETV			00:00	00:0	
							WORKS	VLLIN		00:00	00:0	
		ATTENDANT PL	ANT				LAY TIME:			00:00	00:0	
IT	EM	NAME OF	RNUMBER		H.P.	HOURS	FIRE AND BOAT DRILL	.S:		00:00	00:0	
Crew	/ Boat	Cape	Anne		400	24:00	MISCELLANEOUS			00:00	01:	
Tra	wler	Wild D	ream II		600		TOTALS			00:00	06:	12 0.0
							LOST TIME: MAJOR REPAIRS AND			00.00	00.	20 00
							ALTERNATIONS			00:00	00:0	
							CESSATION:			00:00	00:0	
							COLLISIONS:			00:00	00:0	
							TOTAL TIME/MILES:			00:00	00:0	
							TOTAL TIME/MILES:			00:00	24:0	0.0

		QUALITY CONTR	OL REPORT-HOPPER	DREDGE		PAGE NO.	
							Page 60 of 95
СОМТВАСТИ		CONTRACT TITLE	CONTRACT			REPORT NO	
W9127820F0	0140	IDIQ Hopper Dredge for Pascagoula Ha	arbor Dutra Dredgi	ing Co.			30
DREDGE		NAME AND TYPE				DATE	
		M/V Columbia				07/22/2020)
			LOADS				
LOAD NUMBER		DREDGING AREA DISPOSAL AREA	START TIME STOP TIME	PUMPING TURNING	DUM TO	DUMP MPING CUT	TOTAL TIME DREDGED AMOUNT AGITATED AMOUNT
	400:00 + 400	.00	(HH:MM) 00:00	(MIN) 62	(1	MIN)	(MIN/CYS)
1	400+00 to 460	+00		8		31	132 2,365
	ODMDS		01:10	0		15 16	2,365
							-
2	400+00 to 460-	+00	02:12	62		31	160
	ODMDS		03:22	8		21	2,365
						38	0
3	400+00 to 460-	+00	04:52	78		33	164
	ODMDS		06:18	8		10	2,365
						35	0
4	400+00 to 460-	+00	07:36	61		25	135
·	ODMDS		08:37	0		10	2,365
	0220					39	0
5	400+00 to 460-	+00	09:51	72		36	165
5	ODMDS		11:03	0		23	2,365
	ODIVIDS					34	0
6	400+00 to 460-	+00	12:36	54		43	160
б	ODMDS		13:30	0		30	2,365
	ODIVIDS					33	0
_	400+00 to 460-	+00	15:16	21		40	114
7			15:37	0		8	2,365
	ODMDS			_		45	0
8	400+00 to 460-	+00	18:40	0		0	38
٥	ODMDS		18:40	0		0	0
	ODIVIDS					38	0
							_

GENERAL COMMENTS

Delay 1622-1752 (90) CREW CHANGE due to weather Delay 1918-2400 (282) WEATHER SEAS 6-8'

CONTRACTOR CERTIFICATION	On behalf of the contractor, I certify that material used and work performed during plans and specifications, to the best of n	this Reporting period are in complia	nce with the contract
QC REPRESENTATIVE'S SIGNATURE	DATE	SUPERINTENDENT'S INITIALS	DATE

QUALITY CONTROL				OL REPO	ORT-HOPPER DRED	GE		PA	GE NO.	Page 61 of 95		
CONTRACT NO W9127820F0		CONTRACT TI		Pasca	goula Hai	rbor	CONTRACTOR Dutra Dredging Co.			RE	PORT NO.	31
CHARACTER O)F	X MAINTER	NANCE		NEW V	WORK					ATE 07/23/2020	
DRE	OGE	НОРЕ	PER CAP:			4387 CY	AVG VOL OF BIN WAT	ΓER:	0 CY	AVG I	JNFILLED CAP:	0 CY
M/V Co	olumbia	NO. OF CF MEMBER			DREDG 15	iΕ	OTHER PLANT	WORK SC	HEDULE	SHIFT	S PER DAY	DAYS PER WEEK
LOCATI WOI		LOCATION CH				GED; STA		DISPOSAL A	REA USE	QTY D GROS	EPOSITED CU	MULATIVE AND QTY EPOSIT FOR DA(CY) 623,263
		AVG LENGTH	OF CUT			6000 FT	AVG WIDTH OF CUT		450 FT	AVG [DIST TO DUMP	2 NM
CHARAC		DENSITY OF M	ATERIALS						2.60	GMS/L	ITER	2.60
MATE	RIAL	DENSITY OF W	ATER						1.0060	GMS/L	ITER@	84 °F
RIVER STA		MIN	0.62	ТІМЕ		21:06	MAX 2.65	TIME	10:18	GAGE		533 Pascagoula A Lab, MS
JIA	<u> </u>	MIN	0.00	TIME		00:00		TIME			DATUM MLL	N
WEATHER C	CONDITION	WEATHER Weather Caus	sed Non-Cri	tical D	elav		TEMP 77 °F / 83 °F	VISIBILITY 10 MI		WIND 27 SE	MPH	
		DRAFT			,			•	ION OF TIM		MILES RUN	
	LIGHT		LOADED						AGITAT (MIN		DREDGE & HAUL (MIN)	MILES RUN (NAUT MI)
FORWARD		10				18	EFFECTIVE WORKING	TIME:		,	, ,	
AFT		12				17	PUMPING:			00:00	00:0	0.0
DRAG DEPTH	MAX 0		MIN	0			TURNING:			00:00	00:0	0.0
INIDIOATODO	AOT OUEOVED	00/04/00	40				TO DUMP:			00:00	00:0	0.0
INDICATORS L	AST CHECKED (ON 09/01/20 ⁻	19				CONNECTING:			00:00	00:0	0.0
	ED OF DREDGE	DURING	FT	/MIN		0	DUMPING:			00:00	00:0	0.0
	ED OF DREDGE	DURING	FT	/MIN		0	DISCONNECTING:			00:00	00:0	0.0
AGITATING GALLONS OF F	UEL OIL CONSU	JMED		GAL			то сит:			00:00	00:0	0.0
GALLONS OF V	VATER CONSUM	MED		GAL			TOTALS:			00:00	00:0	0.0
						784	NON-EFFECTIVE WOF	RKING TIME:	<u> </u>		1	<u> </u>
		WORK PERFORI	MED	Т			TAKING ON FUEL AND			00:00	00:0	0.0
NO.OF LOADS		AND HAULING	AL AREA			L CYS	TO AND FROM WHARI ANCHORAGE: LOSS DUE TO NATUR			00:00	00:0	0.0
NO.OF EORDO	TOTAL CTS	DISFOS	AL AINLA		1014		ELEMENTS: LOSS DUE TO TRAFFI			00:00	24:0	
							BRIDGES			00:00	00:0	
							MINOR OPERATING R TRANSFERRING BETV			00:00	00:0	
							WORKS	VLLIV		00:00	00:0	
		ATTENDANT PL	ANT				LAY TIME:			00:00	00:0	
IT	EM	NAME OF	RNUMBER		H.P.	HOURS	FIRE AND BOAT DRILL	_S:		00:00	00:0	
Crew	/ Boat	Cape	Anne		400	24:00	MISCELLANEOUS			00:00	00:0	
Tra	wler	Wild D	ream II		600		TOTALS			00:00	24:0	0.0
							LOST TIME: MAJOR REPAIRS AND	1		00.00	00.0	0 00
							ALTERNATIONS			00:00	00:0	
							CESSATION:			00:00	00:0	
							COLLISIONS:			00:00	00:0	
							TOTAL TIME/MILES:			00:00	00:0	
							TOTAL TIME/MILES:			00:00	24:0	0.0

	+							
		QUALITY C	ONTROL REPORT-	HOPPER	DREDGE	PA	GE NO.	Page 62 of 95
CONTRACT NO. UT W9127820F0140	CONTRACT 1	TITLE Dredge for Pascago		ONTRACTO		RE	PORT NO.	31
DREDGE	NAME AND T	YPE			<u> </u>	DA	ATE 07/23/2020	
QC NARRATIVE(S)	M/V Columbia	1					31120/2020	
QO NAMATIVE(O)								
CONTRACTOR CERTIFIC	CATION	On hoholf of th	o contractor I co-416	fu that 44!	s Danart is semulate	and correct -	nd all sautes	nt and
OUNTRACTUR CERTIFIC	CATION	material used a	e contractor, I certified work performed iffications, to the be	iy that this I during the est of my l	s Report is complete nis Reporting period knowledge, except as	and correct a are in complia s noted above	ma an equipme ance with the co	ontract
QC REPRESENTATIVE'S	SIGNATURE	1	DATE		SUPERINTENDENT'S		DATE	

QUALITY CONTROL F				OL REPO	ORT-HOPPER DREDO	SE .		PA	GE NO.	Page 63 of 95		
CONTRACT NO W9127820F0		CONTRACT TI		Pasca	goula Hai	rbor	CONTRACTOR Dutra Dredging Co.			RE	PORT NO.	32
CHARACTER O	F	X MAINTEN	NANCE] NEW V	VORK					ATE 07/24/2020	· · · · · · · · · · · · · · · · · · ·
DRED	GE	HOPF	PER CAP:			4387 CY	AVG VOL OF BIN WAT	ER:	0 CY	AVG I	JNFILLED CAP:	0 CY
M/V Co	lumbia	NO. OF CF MEMBEF			DREDG 15	E	OTHER PLANT	WORK SCI	HEDULE	SHIFT	S PER DAY	DAYS PER WEEK
LOCATION		LOCATION CH				GED; STA		DISPOSAL A	REA USE	QTY D GROS	EPOSITED CI	JMULATIVE AND QTY DEPOSIT FOR DA(CY) 623,263
		AVG LENGTH		100 0		6000 FT	AVG WIDTH OF CUT	I.	450 FT	AVG [DIST TO DUMP	2 NM
CHARAC*		DENSITY OF MA	ATERIALS						2.60	GMS/L	ITER	2.60
MATER	RIAL	DENSITY OF W	ATER						1.0060	GMS/L	TER@	84 °F
RIVER/		MIN	0.62	TIME		21:06	MAX 2.65	TIME	10:18	GAGE		1533 Pascagoula AA Lab, MS
SIA	JE	MIN	0.00	TIME		00:00		TIME			DATUM ML	_W
WEATHER C	ONDITION	WEATHER Weather Caus	sed Non-Cri	itical D	elay		TEMP 77 °F / 83 °F	VISIBILITY 10 MI		WIND 21 SE	MPH	
		DRAFT						DISTRIBUT	ION OF TIM	IE AND	MILES RUN	
	LIGHT		LOADED						AGITAT (MIN		DREDGE & HAUL (MIN)	MILES RUN (NAUT MI)
FORWARD		10				18	EFFECTIVE WORKING	TIME:				
AFT		12				17	PUMPING:			00:00	00	0.0
DRAG DEPTH	MAX 0		MIN	0			TURNING:			00:00	00	0.0
INDICATORS LA	AST CHECKED (ON 09/01/201	19				TO DUMP:			00:00	00	0.0
		30,01,20	. •				CONNECTING:			00:00	00	0.0
AVERAGE SPEI	ED OF DREDGE	DURING	FT	Γ/MIN		0	DUMPING:			00:00	00	
	ED OF DREDGE	DURING	FT	Γ/ΜΙΝ		0	DISCONNECTING:			00:00	00	
	UEL OIL CONSU	JMED		GAL		202	TO CUT: TOTALS:			00:00	00	
GALLONS OF W	VATER CONSUM	1ED		GAL		1,195	NON-EFFECTIVE WOR	KING TIME:		00:00	00	0.0
	,	WORK PERFORM	MED				TAKING ON FUEL AND			00:00	00	00 0.0
	DREDGING A	ND HAULING			AGITA	ATING	TO AND FROM WHARF			00:00	00	
NO.OF LOADS	TOTAL CYS	DISPOSA	AL AREA		TOTA	L CYS	ANCHORAGE: LOSS DUE TO NATURA	AL		00:00	24	00 0.0
							ELEMENTS: LOSS DUE TO TRAFFI BRIDGES	C AND		00:00	00	0.0
							MINOR OPERATING RI	EPAIRS		00:00	00	0.0
							TRANSFERRING BETV WORKS	VEEN		00:00	00	0.0
		 ATTENDANT PL/	ANT				LAY TIME:			00:00	00	0.0
IT		Γ	R NUMBER	, [H.P.	HOURS	FIRE AND BOAT DRILL	.S:		00:00	00	0.0
Crew			Anne	,	400	24:00	MISCELLANEOUS			00:00	00	0.0
		·				24.00	TOTALS			00:00	24	0.0
Trav	wiel	Wild D	ream II		600		LOST TIME:					
							MAJOR REPAIRS AND ALTERNATIONS			00:00	00	0.0
							CESSATION:			00:00	00	0.0
							COLLISIONS:			00:00	00	0.0
							TOTALS:			00:00	00	0.0
							TOTAL TIME/MILES:			00:00	24	0.0

	QUAL	ITY CONTROL REP	ORT-HOPPER	DREDGE	PA	GE NO.	Page 64 of 9
CONTRACZINOJU1	CONTRACT TITLE		CONTRACT		RF	PORT NO.	raye 04 01 95
W9127820D0001 W9127820F0140	IDIQ Hopper Dredge for P	ascagoula Harbor	Dutra Dredg				3:
DREDGE	NAME AND TYPE				DA	TE 7/24/2020	
QC NARRATIVE(S)	M/V Columbia					772-72020	
GENERAL COMMENTS							
Delay 0000-2400 (1440)	WEATHER SEAS 8-10'						
ONTRACTOR CERTIFICA		f of the contractor, I	certify that th	is Report is complete	and correct a	nd all equipme	nt and
	material u	used and work perfo	ormed during t	his Reporting period knowledge, except a	are in complia	nce with the co	ontract
C REPRESENTATIVE'S SI		DATE	ine nest of filly	SUPERINTENDENT'S		DATE	
	- -					····	

QUALITY CONTROL				OL REPO	ORT-HOPPER DRED	GE		PA	GE NO.	Page 65 of 95		
CQNTRACT NO W9127820F0		CONTRACT TI		Pasca	goula Hai	bor	CONTRACTOR Dutra Dredging Co.			RE	PORT NO.	33
CHARACTER C)F	X MAINTEN	NANCE		NEW V	VORK					TE 07/25/2020	
DRED)GE	HOPF	PER CAP:			4387 CY	AVG VOL OF BIN WAT	ΓER:	0 CY	AVG l	JNFILLED CAP:	0 CY
M/V Co	olumbia	NO. OF CF MEMBER			DREDG 15	E	OTHER PLANT	WORK SC	HEDULE	SHIFT	S PER DAY [DAYS PER WEEK
LOCATI WOI		LOCATION CH	.			GED; STA		DISPOSAL A	REA USE	QTY D	EPOSITED CUM	MULATIVE AND QTY EPOSIT FOR DA(CY) 627,993
		AVG LENGTH	OF CUT			6000 FT	AVG WIDTH OF CUT		450 FT	AVG E	OIST TO DUMP	2 NM
CHARAC		DENSITY OF M	ATERIALS						2.60	GMS/LI	TER	2.60
MATE	RIAL	DENSITY OF W	ATER						1.0060	GMS/LI	TER@	84 °F
RIVER/ STA		MIN	1.47	TIME		02:48	MAX 2.69	TIME	18:12	GAGE		533 Pascagoula A Lab, MS
OIA .		MIN	0.00	TIME		00:00		TIME			DATUM MLLV	V
WEATHER C	CONDITION	WEATHER Weather Caus	sed Non-Cri	itical D	elav		TEMP 77 °F / 84 °F	VISIBILITY 10 MI		WIND 20 SE	MPH	
		DRAFT			,				ION OF TIM		MILES RUN	
	LIGHT		LOADED						AGITAT (MIN		DREDGE & HAUL (MIN)	MILES RUN (NAUT MI)
FORWARD		10				18	EFFECTIVE WORKING	TIME:	•			
AFT		12				17	PUMPING:			00:00	03:4	0.0
DRAG DEPTH	MAX 0		MIN	0			TURNING:			00:00	00:00	0.0
INIDIOATOROJ	AOT OUTOVED	00/04/00	10				TO DUMP:			00:00	01:0	6 0.0
INDICATORS L	AST CHECKED (ON 09/01/201	19				CONNECTING:			00:00	00:00	0.0
	ED OF DREDGE	DURING	FT	/MIN		0	DUMPING:			00:00	00:2	0.0
	ED OF DREDGE	DURING	FT	/MIN		0	DISCONNECTING:			00:00	00:00	0.0
AGITATING GALLONS OF F	UEL OIL CONSU	JMED		GAL		730	то сит:			00:00	01:0	0.0
GALLONS OF V	VATER CONSUM	ИED		GAL			TOTALS:			00:00	06:00	6 0.0
						560	NON-EFFECTIVE WOF	RKING TIME:	<u> </u>			
		WORK PERFORI	MED	Т			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	00:00	0.0
3	4,730	1	MDS)	ELEMENTS: LOSS DUE TO TRAFFI			00:00	17:5	
							BRIDGES			00:00	00:00	
							MINOR OPERATING R TRANSFERRING BETV			00:00	00:00	
							WORKS	VLLIN		00:00	00:00	
		ATTENDANT PL	ANT				LAY TIME:			00:00	00:00	
IT	EM	NAME OF	RNUMBER		H.P.	HOURS	FIRE AND BOAT DRILL	_S:		00:00	00:00	
Crew	Boat	Cape	Anne		400	24:00	MISCELLANEOUS			00:00	00:00	
Tra	wler	Wild D	ream II		600		TOTALS			00:00	17:5	4 0.0
							LOST TIME: MAJOR REPAIRS AND		<u> </u>			
							ALTERNATIONS			00:00	00:00	
							CESSATION:			00:00	00:00	
							COLLISIONS:			00:00	00:00	
							TOTAL TIME/MILES			00:00	00:00	
							TOTAL TIME/MILES:			00:00	24:0	0.0

		QUALITY CON	TROL REPORT-HOPPER	DREDGE		PAGE NO.	Page 66 of 95
CONTRACTING	ใบบา	CONTRACT TITLE	CONTRACT	OR		REPORT NO.	
W9127820F0		IDIQ Hopper Dredge for Pascagoula	Harbor Dutra Dredgi	ng Co.			33
DREDGE		NAME AND TYPE M/V Columbia				DATE 07/25/2020	
			LOADS			-	
LOAD NUMBER		DREDGING AREA DISPOSAL AREA	START TIME STOP TIME	PUMPING TURNING	DUM TO	DUMP MPING CUT	TOTAL TIME DREDGED AMOUNT AGITATED AMOUNT
	400 : 00 ! 400	.00	(HH:MM)	(MIN)		MIN)	(MIN/CYS)
1	400+00 to 460-	+00	00:00	111		32	153
	ODMDS		01:51	0		10	2,365
						0	0
2	400+00 to 460-	+00	20:27	83		34	156
	ODMDS		21:50	0		10	2,365
						29	0
3	400+00 to 460-	+00	23:03	26		0	57
_	ODMDS		23:29	0		0	0
						31	0

GENERAL COMMENTS

Delay 0000-1754 (1074) WEATHER SEAS 8-10'

CONTRACTOR CERTIFICATION	On behalf of the contractor, I certify that material used and work performed during plans and specifications, to the best of n	this Reporting period are in complia	nce with the contract
QC REPRESENTATIVE'S SIGNATURE	DATE	SUPERINTENDENT'S INITIALS	DATE

QUALITY CONTROL				OL REPO	ORT-HOPPER DRED	GE		PA	GE NO.	Page 67 of 95		
CQNTRACT NO W9127820F0		CONTRACT TI		Pasca	goula Hai	rbor	CONTRACTOR Dutra Dredging Co.			RE	PORT NO.	34
CHARACTER C)F	X MAINTEN	NANCE		NEW V	VORK					ATE 07/26/2020	
DRED	GE	HOPF	PER CAP:			4387 CY	AVG VOL OF BIN WAT	ΓER:	0 CY	AVG I	JNFILLED CAP:	0 CY
M/V Co	olumbia	NO. OF CF MEMBER			DREDG 15	E	OTHER PLANT	WORK SC	HEDULE	SHIFT	TS PER DAY	DAYS PER WEEK
LOCATI WOI		LOCATION CH				GED; STA		DISPOSAL A	REA USE	QTY D GROS	EPOSITED CL	MULATIVE AND QTY EPOSIT FOR DA(CY) 649,278
		AVG LENGTH	OF CUT			6000 FT	AVG WIDTH OF CUT		450 FT	AVG [DIST TO DUMP	2 NM
CHARAC MATE		DENSITY OF M	ATERIALS						2.60	GMS/L	ITER	2.60
MATE	RIAL	DENSITY OF W	ATER						1.0060	GMS/L	ITER@	84 °F
RIVER/ STA		MIN	1.13	TIME		18:00	MAX 2.04	TIME	06:12	GAGE		1533 Pascagoula AA Lab, MS
OIA.	<u> </u>	MIN	0.00	TIME		00:00		TIME	00:00		DATUM MLI	.W
WEATHER C	ONDITION	WEATHER Weather Caus	ed No Dela	av.			TEMP 73 °F / 88 °F	VISIBILITY 10 MI		WIND 12 SE	MPH	
		DRAFT	oca ivo Beio	ч			70 1 7 00 1		ION OF TIM		MILES RUN	
	LIGHT		LOADED						AGITAT (MIN		DREDGE & HAUL (MIN)	MILES RUN (NAUT MI)
FORWARD		10				18	EFFECTIVE WORKING	TIME:		,	- ()	
AFT		12				17	PUMPING:			00:00	12:	0.0
DRAG DEPTH	MAX 0		MIN	0			TURNING:			00:00	00:	16 0.0
							TO DUMP:			00:00	04:	54 0.0
INDICATORS L	AST CHECKED (ON 09/01/201	19				CONNECTING:			00:00	00:	0.0
	ED OF DREDGE	DURING	FT	Γ/ΜΙΝ		0	DUMPING:			00:00	02:	0.0
LOADING AVERAGE SPE	ED OF DREDGE	DURING	FT	Γ/ΜΙΝ		0	DISCONNECTING:			00:00	00:	0.0
AGITATING GALLONS OF F	UEL OIL CONSU	JMED		GAL			то сит:			00:00	04:	16 0.0
GALLONS OF V	VATER CONSUM	ИED		GAL		586	TOTALS:			00:00	23:	0.0
						672	NON-EFFECTIVE WOF	RKING TIME:			ı	
		WORK PERFORI	MED				TAKING ON FUEL AND			00:00	00:	0.0
NO.OF LOADS		AND HAULING	AL AREA			L CYS	TO AND FROM WHAR			00:00	00:	0.0
9	21,285	1	MDS)	LOSS DUE TO NATUR ELEMENTS:			00:00	00:	
							LOSS DUE TO TRAFFI BRIDGES			00:00	00:	
							MINOR OPERATING R			00:00	00:	
							WORKS	VLLIN		00:00	00:	
		ATTENDANT PL	ANT				LAY TIME:			00:00	00:	
IT	EM	NAME OF	RNUMBER	1	H.P.	HOURS	FIRE AND BOAT DRILI	_S:		00:00	00:	
Crew	Boat	Cape	Anne		400	24:00	MISCELLANEOUS			00:00	00:	
Tra	wler	Wild D	ream II		600		TOTALS			00:00	00:	17 0.0
							LOST TIME: MAJOR REPAIRS AND		Π		1	
							ALTERNATIONS			00:00	00:	
							CESSATION:			00:00	00:	
							COLLISIONS:			00:00	00:	
							TOTAL TIME/MILES			00:00	00:	
							TOTAL TIME/MILES:			00:00	24:	0.0

NUMBER DISPOSAL AREA STOP TIME (HHMM) (MIN) (MIN	Table Dutra Dredging Co. DATE 07/26/2020	MAIN			QUALITY (CONTROL REPORT-HOPPER	DREDGE	PAGE NO.	Page 68 of 9
DREDGE M/V Columbia LOADS LOAD	START TIME PUMPING TURNING DUMPING TO CUT AGITATED AMOUNT (HI:MM) (MIN) (MIN) (MIN/CYS)	LOADS						REPORT	
LOADS	START TIME STOP TIME PUMPING TURNING TO DUMP DUMPING TO CUT (MIN) AGITATED AMOUNT (MIN) (MIN	LOAD	DREDGE					DATE 07/26/20	20
NUMBER DISPOSAL AREA DISPOSAL	STOP TIME TURNING TO CUT (HH:MM) (MIN) (MI	NUMBER DISPOSAL AREA DOUBLY TO CUT (MIN) DEFECTED AMOUNT (MIN) TO CUT (MIN) TO DO UT (MIN) TO CUT			WW Columbia	LOADS			
1 400+00 to 460+00	00:00 54 38 107 00:54 0 15 2,365 0 0 0 01:47 58 41 153 02:45 0 18 2,365 36 0 0 10 2,365 36 0 10 2,365 34 0 07:06 119 36 198 0 10 2,365 33 0 10:24 47 40 140 140 140 140 141 141 140 144 198 12 2,365 0 0 10 2,365 0 0 10 2,365 0 0 144 198 144 198 144 198 144 198 144 198 144 198 144 198 144 198 144 198 144 17:20 0 10 2,365 30 0 0 144 144	1 400+00 to 460+00				STOP TIME	TURNING	DUMPING TO CUT	DREDGED AMOUN' AGITATED AMOUN'
2	01:47 58 41 153 02:45 0 18 2,365 36 0 04:20 88 34 166 05:48 0 10 2,365 34 0 07:06 119 36 198 09:05 0 10 2,365 33 0 10:24 47 40 140 11:11 0 24 2,365 29 0 12:44 90 44 198 14:14 0 30 2,365 34 0 16:02 78 26 144 17:20 0 10 2,365 30 0 0 18:43 106 26 179 20:37 8 12 2,365 27 0 21:42 88 9 138 23:18 8 0 2,365	COMMOS C	1		+00	00:00	54	38	107
ODMDS OD	02:45 0 18 2,365 36 0 04:20 88 34 166 05:48 0 10 2,365 34 0 07:06 119 36 198 09:05 0 10 2,365 33 0 10:24 47 40 140 11:11 0 24 2,365 29 0 12:44 90 44 198 14:14 0 30 2,365 34 0 16:02 78 26 144 17:20 0 10 2,365 30 0 0 18:43 106 26 179 20:37 8 12 2,365 27 0 21:42 88 9 138 23:18 8 0 2,365	ODMDS 02:45 0 18 2,365 0 3 400+00 to 460+00 ODMDS 04:20 88 34 166 ODMDS 4 400+00 to 460+00 ODMDS 05:48 0 10 10 2,365 34 0 0 4 400+00 to 460+00 ODMDS 07:06 119 36 198 ODMDS 5 400+00 to 460+00 ODMDS 10:24 47 40 140 ODMDS 6 400+00 to 460+00 ODMDS 11:11 0 24 29 0 0 6 400+00 to 460+00 ODMDS 12:44 90 44 198 30 2,365 34 0 7 400+00 to 460+00 ODMDS 16:02 78 26 144 ODMDS 30 0 2,365 30 0 8 400+00 to 460+00 ODMDS 18:43 106 26 179 ODMDS 30 0 0 8 400+00 to 460+00 ODMDS 18:43 106 26 179 ODMDS 12 2,365 00 0 9 400+00 to 460+00 ODMDS 20:37 8 12 2,365 00 0 9 400+00 to 460+00 ODMDS 21:42 88 9 138 0 138 0 0 9 400+00 to 460+00 ODMDS 23:18 8 0 0 2,365 33 0 0		ODIVIDS					0
3	04:20 88 34 166 05:48 0 10 2,365 34 0 07:06 119 36 198 09:05 0 10 2,365 33 0 10:24 47 40 140 11:11 0 24 2,365 29 0 12:44 90 44 198 14:14 0 30 2,365 34 0 16:02 78 26 144 17:20 0 10 2,365 30 0 18:43 106 26 179 20:37 8 12 2,365 27 0 21:42 88 9 138 23:18 8 0 2,365	3 400+00 to 460+00 ODMDS 04:20 05:48 0 0 10 2,365 34 0 4 400+00 to 460+00 ODMDS 07:06 119 36 198 36 0 5 400+00 to 460+00 ODMDS 10:24 47 40 140 140 140 0 6 400+00 to 460+00 ODMDS 11:11 0 24 24 2,365 29 0 6 400+00 to 460+00 ODMDS 12:44 90 44 198 36 0 7 400+00 to 460+00 ODMDS 14:14 0 30 30 2,365 34 0 8 400+00 to 460+00 ODMDS 17:20 0 10 10 2,365 30 0 8 400+00 to 460+00 ODMDS 18:43 106 26 179 0 9 400+00 to 460+00 ODMDS 20:37 8 12 2,365 27 0 9 400+00 to 460+00 ODMDS 21:42 88 9 138 0 0 2,365 33 0 9 400+00 to 460+00 ODMDS 21:42 88 9 9 138 0 0 2,365 33 0	2		+00			18	2,365
ODMDS OD	05:48 0 10 2,365 07:06 119 36 198 09:05 0 10 2,365 33 0 10:24 47 40 140 11:11 0 24 2,365 29 0 12:44 90 44 198 14:14 0 30 2,365 34 0 16:02 78 26 144 17:20 0 10 2,365 30 0 18:43 106 26 179 20:37 8 12 2,365 27 0 21:42 88 9 138 23:18 8 0 2,365	ODMDS		400+00 to 460	+00	04:20	00		
ODMDS	09:05 0 10 2,365 33 0 10:24 47 40 140 11:11 0 24 2,365 29 0 12:44 90 44 198 14:14 0 30 2,365 34 0 16:02 78 26 144 17:20 0 10 2,365 30 0 18:43 106 26 179 20:37 8 12 2,365 27 0 21:42 88 9 138 23:18 8 0 2,365	ODMDS OD	3		+00			10	2,365
ODMDS 09:05 0 10 2; 5 400+00 to 460+00 10:24 47 40 1 ODMDS 11:11 0 24 2; 6 400+00 to 460+00 12:44 90 44 1 ODMDS 14:14 0 30 2; 7 400+00 to 460+00 16:02 78 26 1 ODMDS 17:20 0 10 2; 8 400+00 to 460+00 18:43 106 26 1 ODMDS 20:37 8 12 2; 9 400+00 to 460+00 21:42 88 9 1 9 400+00 to 460+00 21:42 88 9 1 ODMDS 23:18 8 0 2;	10:24 47 40 140 11:11 0 24 2,365 29 0 12:44 90 44 198 14:14 0 30 2,365 34 0 16:02 78 26 144 17:20 0 10 2,365 30 0 18:43 106 26 179 20:37 8 12 2,365 27 0 21:42 88 9 138 23:18 8 0 2,365	ODMDS 09:05 0 10 2,365 5 400+00 to 460+00 10:24 47 40 140 ODMDS 11:11 0 24 2,365 6 400+00 to 460+00 12:44 90 44 198 ODMDS 14:14 0 30 2,365 34 0 7 400+00 to 460+00 16:02 78 26 144 ODMDS 17:20 0 10 2,365 30 0 0 8 400+00 to 460+00 18:43 106 26 179 ODMDS 20:37 8 12 2,365 27 0 9 400+00 to 460+00 21:42 88 9 138 ODMDS 23:18 8 0 2,365 33 0	4	400+00 to 460	+00	07:06	119	36	198
ODMDS 11:11 0 24 29 6 400+00 to 460+00 ODMDS 12:44 90 44 14:14 0 30 30 2; 7 400+00 to 460+00 ODMDS 16:02 78 26 17:20 0 10 30 8 400+00 to 460+00 18:43 106 26 11 20:37 8 112 27 9 400+00 to 460+00 ODMDS 21:42 88 9 10 ODMDS 23:18 8 0 25:29 27 27	11:11 0 24 2,365 29 0 12:44 90 44 198 14:14 0 30 2,365 34 0 16:02 78 26 144 17:20 0 10 2,365 30 0 18:43 106 26 179 20:37 8 12 2,365 27 0 21:42 88 9 138 23:18 8 0 2,365	ODMDS 11:11 0 24 2,365 29 0 6 400+00 to 460+00 ODMDS 12:44 90 44 198 30 2,365 34 0 7 400+00 to 460+00 ODMDS 16:02 78 26 144 00 100 2,365 30 0 23:65 30 0 8 400+00 to 460+00 ODMDS 18:43 106 26 179 00 0 17:20 0 0 0 17:20 0 0 9 400+00 to 460+00 ODMDS 20:37 8 12 2,365 00 0 27 0 0 0 9 400+00 to 460+00 ODMDS 21:42 88 9 138 0 2,365 00 0 0DMDS 23:18 8 0 0 2,365 00 0	7	ODMDS		09:05	0		· ·
6	12:44 90 44 198 14:14 0 30 2,365 34 0 16:02 78 26 144 17:20 0 10 2,365 30 0 18:43 106 26 179 20:37 8 12 2,365 27 0 21:42 88 9 138 23:18 8 0 2,365	6	5	400+00 to 460	+00				
0 ODMDS 14:14 0 30 34 34 7 400+00 to 460+00 ODMDS 16:02 78 26 11 0 10 2; 8 400+00 to 460+00 ODMDS 18:43 106 26 11 0 2; 9 400+00 to 460+00 ODMDS 21:42 88 9 9 11 0 2; 9 400+00 to 460+00 ODMDS 23:18 8 0 2;	14:14 0 30 2,365 34 0 16:02 78 26 144 17:20 0 10 2,365 30 0 18:43 106 26 179 20:37 8 12 2,365 27 0 21:42 88 9 138 23:18 8 0 2,365	ODMDS 14:14 0 30 32,365 34 0 7 400+00 to 460+00 ODMDS 16:02 78 26 1144 2,365 30 0 10 2,365 30 0 8 400+00 to 460+00 ODMDS 18:43 106 26 179 ODMDS 20:37 8 12 2,365 27 0 9 400+00 to 460+00 ODMDS 21:42 88 9 138 ODMDS ODMDS 23:18 8 0 2,365 30 0						29	0
7	16:02 78 26 144 17:20 0 10 2,365 30 0 18:43 106 26 179 20:37 8 12 2,365 27 0 21:42 88 9 138 23:18 8 0 2,365	7	6		+00			30	2,365
ODMDS 17:20 0 10 30 8 400+00 to 460+00 ODMDS 18:43 106 26 1 20:37 8 12 27 9 400+00 to 460+00 ODMDS 21:42 88 9 10 ODMDS 23:18 8 0 23:18	17:20 0 10 2,365 30 0 18:43 106 26 179 20:37 8 12 2,365 27 0 21:42 88 9 138 23:18 8 0 2,365	ODMDS 17:20 0 10 2,365 30 0 8 400+00 to 460+00 ODMDS 18:43 106 26 179 2,365 27 0 9 400+00 to 460+00 ODMDS 21:42 88 9 138 0 2,365 0 0 18:43 106 26 179 2,365 27 0 0 23:65 27 0 0 23:18 8 0 2,365 33 0		100 00 1 100		10.00		_	
ODMDS 20:37 8 12 27 9 400+00 to 460+00 ODMDS 21:42 88 9 1 ODMDS 23:18 8 0 2;	20:37 8 12 2,365 27 0 21:42 88 9 138 23:18 8 0 2,365	ODMDS 20:37 8 12 2,365 27 0 400+00 to 460+00 ODMDS 21:42 88 9 138 2,365 0 21:42 88 9 138 0 2,365 33 0	7		+00			10	2,365
ODMDS 20:37 8 12 27 9 400+00 to 460+00 ODMDS 21:42 88 9 1 ODMDS 23:18 8 0 2;	27 0 21:42 88 9 138 23:18 8 0 2,365	ODMDS 20:37 8 12 2,365 27 0 400+00 to 460+00 ODMDS 21:42 88 9 138 ODMDS 23:18 8 0 2,365 33 0	8	400+00 to 460	+00	18:43	106	26	179
ODMDS 23:18 8 0 2,333	23:18 8 0 2,365	ODMDS 23:18 8 0 2,365 33 0	J	ODMDS		20:37	8		· ·
			9		+00			0	2,365
C NARRATIVE(S)			C NARRAT	IVE(S)					
ONTRACTOR 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 contrac	nalf of the contractor, I certify that this Report is complete and correct and all equipment and	ONTRACTOR 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	ONTRACTO	DR CERTIFICA		ne contractor, I certify that thi	is Report is complete	and correct and all e	equipment and th the contract

QUALITY CONTI				CONTRO	OL REPO	ORT-HOPP	ER DREDO	3E		PA	AGE NO.		Page 69 of 95	
CONTRACT NO W9127820F0		CONTRACT TI		Pascac	noula Hai	bor	CONTRA Dutra Dre	CTOR edging Co.			RE	PORT NO.		35
CHARACTER C		X MAINTEN		u30uş	NEW V		Datia Die	aging co.				ATE		
REPORT		MAINTE	VAINCE] NEWV	VOICE	T		-			07/27/2020		
DRED	OGE		PER CAP:			4387 CY	AVG VOL	OF BIN WAT	ER:	0 CY	AVG	UNFILLED CA	P:	0 CY
M/V Co	olumbia	NO. OF CF MEMBEF			DREDG	E		PLANT	WORK SCI	HEDULE	SHIF	TS PER DAY		YS PER WEEK
LOCATI	ON OF	LOCATION CH	IANNEI F	RFACI	15 H DREDG	SED; STA		1	DISPOSAL A	REA USE				7 JLATIVE AND QTY
WOI		Pascagoula Har	.		0 - 460+0				ODMDS		GROS	S(CY) 18,920		OSIT FOR DA(CY) 668,198
		AVG LENGTH	•			6000 FT	AVG WIDT	H OF CUT	•	450 FT	AVG [DIST TO DUMF		2 NM
		DENSITY OF M	ATERIALS							2.60	GMS/L	ITER		2.60
CHARAC MATE														84 °F
		DENSITY OF W	ATER						Г	1.0060	GIVIS/L	ITER@	74452	
RIVER/ STA		MIN	1.29	TIME		20:54	MAX	2.09	TIME	03:09	GAGE			3 Pascagoula Lab, MS
SIA	GE	MIN	0.00	TIME		00:00	MAX	0.00	TIME	00:00	GAGE	DATUM N	ИLLW	
WEATHER C	CONDITION	WEATHER Weather Caus	od No Dola	11/			TEMP	/ 85 °F	VISIBILITY 10 MI		WIND 12 SE	MDH		
		DRAFT	sed NO Dela	ıy			75 1	7 00 1		ION OF TI		MILES RUN		
										AGITA		DREDGE	&	MILES RUN
	LIGHT		LOADED				FFFFOTN	- WORKING	TIME.	(MII	ν)	HAUL (MI	N)	(NAUT MI)
FORWARD		10				18		WORKING	T IIVIE.		00:00		11:35	0.0
AFT		12				17	PUMPING: TURNING:				00:00		00:32	0.0
DRAG DEPTH	MAX 0		MIN	0			TO DUMP:				00:00		04:09	0.0
INDICATORS L	AST CHECKED (ON 09/01/201	19				CONNECTI	NG·			00:00		00:00	0.0
							DUMPING:				00:00	-	02:07	0.0
AVERAGE SPE LOADING	ED OF DREDGE	DURING	FT.	/MIN		0	DISCONNE	CTING:			00:00		00:00	0.0
AVERAGE SPE AGITATING	ED OF DREDGE	DURING	FT.	/MIN		0	TO CUT:	.011110.			00:00		04:18	0.0
GALLONS OF F	UEL OIL CONSU	JMED		GAL		1,783					00:00		22:41	0.0
GALLONS OF V	VATER CONSUM	ИED		GAL		896		CTIVE WOR	RKING TIME:					
	,	WORK PERFOR	MED				-		SUPPLIES		00:00		00:00	0.0
	DREDGING A	AND HAULING			AGITA	ATING	TO AND FF	ROM WHARF	OR		00:00	(00:00	0.0
NO.OF LOADS 9	TOTAL CYS 18,920	1	AL AREA MDS			L CYS		TO NATURA	AL		00:00		00:00	0.0
	10,320	OBI	VIDO .			<u>, </u>		TO TRAFFI	C AND		00:00	(00:00	0.0
							-	ERATING R	EPAIRS		00:00	(01:19	0.0
							TRANSFER WORKS	RRING BETV	VEEN		00:00	(00:00	0.0
		 ATTENDANT PL	ΔΝΤ				LAY TIME:				00:00	(00:00	0.0
,,	·EM	Γ	R NUMBER		H.P.	HOURS	FIRE AND I	BOAT DRILL	.S:		00:00	(00:00	0.0
	/ Boat				400	24:00	MISCELLAI	NEOUS			00:00	(00:00	0.0
			Anne			24:00	TOTALS				00:00	(01:19	0.0
Ira	wler	Wild D	ream II		600		LOST TIME	:						
							MAJOR RE ALTERNAT	PAIRS AND IONS			00:00	(00:00	0.0
							CESSATIO	N:			00:00	(00:00	0.0
							COLLISION	IS:			00:00	(00:00	0.0
							TOTALS:				00:00	(00:00	0.0
							TOTAL TIM	E/MILES:			00:00	2	24:00	0.0

	PAGE NO.	PAGE NO. Page 70 of 95					
QNTRACT NO W9127820F0		CONTRACT scagoula Harbor Dutra Dredgi	REPORT N	REPORT NO.			
DDEDGE	NAME AND TYPE	0		DATE			
DREDGE	M/V Columbia			07/27/202	20		
		LOADS		·			
LOAD NUMBER	DREDGING AREA DISPOSAL AREA	START TIME STOP TIME (HH:MM)	PUMPING TURNING (MIN)	TO DUMP DUMPING TO CUT (MIN)	TOTAL TIME DREDGED AMOUNT AGITATED AMOUNT (MIN/CYS)		
1	400+00 to 460+00	00:00	0	28	48		
ı	ODMDS	00:00	0	20	0		
	CBINIDS .			0	0		
2	400+00 to 460+00	00:48	83	44	188		
2	ODMDS	02:11	0	19	2,365		
	CEINEC			42	0		
3	400+00 to 460+00	03:56	113	27	197		
3	ODMDS	05:57	8	16	2,365		
				33	0		
4	400+00 to 460+00	07:13	90	26	164		
·	ODMDS	08:51	8	10	2,365		
				30	0		
5	400+00 to 460+00	09:57	99	33	198		
	ODMDS	11:36	0	23	2,365		
				43	0		
6	400+00 to 460+00	14:34	88	37	170		
	ODMDS	16:02	0	17	2,365		
				28	0		
7	400+00 to 460+00	17:24	100	26	174		
·	ODMDS	19:12	8	11	2,365		
				29	0		
8	400+00 to 460+00	20:18	99	28	171		
	ODMDS	22:05	8	11	2,365		
				25	0		
9	400+00 to 460+00	23:09	23	0	51		
-	ODMDS	23:32	0	0	2,365		
				28	0		

GENERAL COMMENTS

Delay 0140-1159 (79) DREDGE PUMP STARTER

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 71 of 95			
CONTRACT TITLE W9127820F0140 CONTRACT TITLE IDIQ Hopper Dredge for Pascagoula H			goula Hai	rbor	CONTRACTOR Dutra Dredging Co.			RE	PORT NO.	36		
CHARACTER OF] NEW V	VORK					ATE 07/28/2020				
DRED	GE	HOPPER CAP: 4387 CY			AVG VOL OF BIN WAT	ER:	0 CY	AVG I	JNFILLED CAP:	0 CY		
M/V Co	olumbia	NO. OF CREW MEMBERS			DREDGE		OTHER PLANT	WORK SCHEDULE		SHIFT	S PER DAY	DAYS PER WEEK
LOCATION OF WORK						GED; STA	DICDOCAL ADEAL		REA USE	QTY DEPOSITED CUMUL		JMULATIVE AND QTY DEPOSIT FOR DA(CY) 687,118
		AVG LENGTH		.00		6000 FT	AVG WIDTH OF CUT 450 FT		AVG DIST TO DUMP		2 NM	
CHARACTER OF MATERIAL		DENSITY OF MATERIALS				2.60 GN			GMS/L	TER	2.60	
		DENSITY OF WATER			1.0060 GM			GMS/L	TER@	84 °F		
RIVER/		MIN	1.29	TIME		20:54	MAX 2.09 TIME		03:09	GAGE LOCATION 8741533 Pascagot NOAA Lab, MS		
OTA:		MIN	0.00	TIME		00:00		TIME			DATUM MLI	_W
WEATHER C	ONDITION	WEATHER Weather Caus	sed No Dela	ay			TEMP 75 °F / 85 °F	VISIBILITY 10 MI		WIND 15 SE	MPH	
DRAFT					DISTRIBUT	ION OF TIM	IE AND	MILES RUN				
	LIGHT		LOADED				AGITATIN (MIN)			DREDGE & HAUL (MIN)	MILES RUN (NAUT MI)	
FORWARD		10 18			18	EFFECTIVE WORKING TIME:						
AFT		12			17	PUMPING:			00:00	11:	21 0.0	
DRAG DEPTH	MAX 0		MIN	0			TURNING:		00:00	00:	16 0.0	
INDICATORS LA	AST CHECKED (ON 09/01/201	19				TO DUMP:		00:00	04:		
							CONNECTING:		00:00	00:		
AVERAGE SPEI	ED OF DREDGE	DURING	FT	Γ/MIN		0	DUMPING:			00:00	02:	
	ED OF DREDGE	DURING	FT	Г/МІМ		0	DISCONNECTING:			00:00	00:	
	UEL OIL CONSU	JMED		GAL		1,351	TO CUT: TOTALS:			00:00	03:	
GALLONS OF W	VATER CONSUM	1ED		GAL		448	NON-EFFECTIVE WOR	KING TIME:		00:00	22:	0.0
	,	WORK PERFORM	ИED	ı								00 0.0
	DREDGING A	ND HAULING			AGITA	ATING	TO AND FROM WHARF			00:00	00:	
NO.OF LOADS 8	TOTAL CYS	_	AL AREA			L CYS	ANCHORAGE: LOSS DUE TO NATURAL ELEMENTS:			00:00	00:	0.0
8 18,920 ODMDS				<u> </u>	LOSS DUE TO TRAFFIC AND BRIDGES			00:00	00:	0.0		
					00:00	00:	53 0.0					
			TRANSFERRING BETWEEN WORKS		00:00	00:	0.0					
ATTENDANT PLANT				00:00	00:	0.0						
<u></u>		Γ	R NUMBER	, [H.P.	HOURS	FIRE AND BOAT DRILL	S:		00:00	00:	0.0
Crew Boat		Cape		,			MISCELLANEOUS			00:00	01:	0.0
		·			400 24:00		TOTALS			00:00	01:	54 0.0
Trawler		Wild D	ream II		600		LOST TIME:					
							MAJOR REPAIRS AND ALTERNATIONS			00:00	00:	0.0
							CESSATION:			00:00	00:	0.0
							COLLISIONS:			00:00	00:	0.0
							TOTALS:			00:00	00:	0.0
							TOTAL TIME/MILES:			00:00	24:	0.0

QUALITY CONTROL REPORT-HOPPER DREDGE							PAGE NO. Page 72 of 95		
CONTRACTINO CONTRACT TITLE CONTRACTOR						REPORT NO.			
W9127820D		IDIQ Hopper Dredge for Pascagoula							
		NAME AND TYPE	g	DATE 36					
DREDGE		M/V Columbia				07/28/2020			
	· ·		LOADS		· ·				
LOAD NUMBER		DREDGING AREA DISPOSAL AREA	START TIME STOP TIME			MP ING JT	TOTAL TIME DREDGED AMOUNT AGITATED AMOUNT		
			(HH:MM)	(MIN)	(MIN		(MIN/CYS)		
1	400+00 to 460+	00	00:00	80	36		140		
	ODMDS		01:20	0	24		2,365		
					0		0		
2	400+00 to 460+	00	02:20	101	36		190		
_	ODMDS		04:01	0	24		2,365		
	0220				29		0		
3	400+00 to 460+	00	05:30	91	32		165		
3	ODMDS		07:09	8	8		2,365		
					26		0		
4	400+00 to 460+	00	08:15	73	31		163		
	ODMDS		09:28	0	24		2,365		
					35		0		
5	400+00 to 460+	00	11:59	50	35		145		
-	ODMDS		12:49	0	25		2,365		
					35		0		
6	400+00 to 460+	00	14:24	99	33		181		
· ·	ODMDS		16:03	0	22		2,365		
					27		0		
7	400+00 to 460+	00	17:25	126	32		199		
•	ODMDS		19:39	8	10 2		2,365		
					23		0		
8	400+00 to 460+	00	20:44	61	47		143		
	ODMDS		21:45	0	6 2		2,365		
					29		0		
					1				

GENERAL COMMENTS

Delay 0850-0951 (61) STORES And 2307-2400 (53) RUDDER JOCKEY BAR REPAIRS

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		PATE	SUPERINTENDENT'S INITIALS	DATE			

			QUA	LITY	CONTR	OL REPO	RT-HOPPER DREDG	SE .		PA	GE NO.	Page 73 of 95
		_		Pasca	goula Hai	rbor	CONTRACTOR Dutra Dredging Co.			RE	PORT NO.	37
CHARACTER O	DIQ Hopper Dredge for Pascagoula Harbor Dutra Did									TE 07/29/2020		
DRED	CONTRACT TITLE W9127820F0140 HARACTER OF EPORT DREDGE M// Columbia LOCATION OF WORK CHARACTER OF MATERIAL DENSITY OF MATERIALS DENSITY OF WATER MIN 0.46 TI MIN 0.40 TI Weather Caused No Delay DRAFT LIGHT LOADED TO THE Weather Caused No Delay DRAFT LIGHT LOADED DRAFT ATERIAL DENSITY OF WATER WEATHER CONDITION WEATHER Weather Caused No Delay DRAFT CHARACTER OF MIN 0.00 TI WEATHER WEATHER DRAFT ATERIAL DENSITY OF WATER MIN 0.46 TI MEATHER WEATHER WEATHER DRAFT LIGHT LOADED DRAFT ATERIAL DRAFT ATTENDANT PLANT ITEM NAME OR NUMBER					4387 CY	AVG VOL OF BIN WAT	ER:	0 CY	AVG l	JNFILLED CAP:	0 CY
M/V Co	olumbia					E	OTHER PLANT	WORK SCI	HEDULE	SHIFT	S PER DAY	DAYS PER WEEK
					H DREDG			DISPOSAL A	REA USE	QTY D	EPOSITED CL	JMULATIVE AND QTY DEPOSIT FOR DA(CY) 695,023
			<u> </u>	.00			AVG WIDTH OF CUT	1	450 FT	AVG E	DIST TO DUMP	2 NM
		DENSITY OF MA	ATERIALS						2.60	GMS/LI	ITER	2.60
MATER	RIAL	DENSITY OF W	ATER						1.0060	GMS/LI	TER@	84 °F
		MIN	0.46	TIME		18:00	MAX 0.75	TIME	15:00	GAGE		1533 Pascagoula AA Lab, MS
OTA			0.00	TIME		00:00		TIME			DATUM MLI	_W
WEATHER C	ONDITION		ed No Dela	ay			TEMP 78 °F / 95 °F	VISIBILITY 10 MI		WIND 15 SE	MPH	
		DRAFT						DISTRIBUT	ION OF TIM	IE AND	MILES RUN	
	LIGHT		LOADED						AGITAT (MIN		DREDGE & HAUL (MIN)	MILES RUN (NAUT MI)
FORWARD		10				18	EFFECTIVE WORKING	TIME:				
AFT		12				17	PUMPING:			00:00	04:	42 0.0
DRAG DEPTH	MAX 0		MIN	0			TURNING:			00:00	00:	0.0
INDICATORS	ACT CLIFCKED	ON 00/04/004	10				TO DUMP:			00:00	01:	41 0.0
INDICATORS LA	451 CHECKED (CONNECTING: 0		00:00	00:	0.0						
	ED OF DREDGE	DURING	F	Γ/ΜΙΝ		0	DUMPING:			00:00	00:	51 0.0
AVERAGE SPE	ED OF DREDGE	DURING	F	Γ/ΜΙΝ		0	DISCONNECTING:			00:00	00:	0.0
AGITATING GALLONS OF F	UEL OIL CONSU	JMED		GAL						00:00	01:	
GALLONS OF W	VATER CONSUM	MED		GAL			TOTALS:			00:00	09:	0.0
						896	NON-EFFECTIVE WOR	KING TIME:			1	1
		WORK PERFORM	MED				TAKING ON FUEL AND			00:00	00:	0.0
NO OE LOADS			N ADEA				TO AND FROM WHARF			00:00	00:	0.0
		_)	LOSS DUE TO NATURA			00:00	00:	0.0
							LOSS DUE TO TRAFFIOR BRIDGES	J AND		00:00	00:	0.0
							MINOR OPERATING RI			00:00	14:	
							WORKS	VLLIN		00:00	00:	
		ATTENDANT PL	ANT				LAY TIME:			00:00	00:	
IT	ЕМ	NAME OF	NUMBER	2	H.P.	HOURS	FIRE AND BOAT DRILL	S:		00:00	00:	
Crew	Boat	Cape	Anne		400	24:00	MISCELLANEOUS			00:00	00:	
Trav	wler	Wild D			14:	55 0.0						
							LOST TIME: MAJOR REPAIRS AND		<u> </u>			
							ALTERNATIONS			00:00	00:	
							CESSATION:			00:00	00:	
							COLLISIONS:			00:00	00:	
							TOTALS:		00:00	00:		
					TOTAL TIME/MILES:			00:00	24:	0.0		

QUALITY CONTROL REPORT-HOPPER DREDGE									PAGE NO. Page 74 of 95			
CONTRACT NO W9127820F01		CONTRACT TIT	TLE redge for Pascago	oula Harbor	CONTRA Dutra Dre				REPO	ORT NO.	37	— ,
DREDGE		NAME AND TYP	PE						DATE 07/2	29/2020		_
		M/V Columbia			LOADS				0172	20/2020		_
LOAD NUMBER		DREDGING DISPOSAL A			START TIME STOP TIME		PUMPING TURNING	DU TO	DUMP MPING CUT		TOTAL TIME DREDGED AMOUNT AGITATED AMOUNT	
1	400+00 to 460-	+00			(HH:MM) 14:55		(MIN) 81	(MIN) 38		(MIN/CYS) 147	
·	ODMDS				16:16		0		28 0		2,635 0	
2	400+00 to 460-	+00			17:22 19:16		114 0		35 10 25		184 2,635 0	
	400+00 to 460-	+00			20:26		87		28		180	
3	ODMDS	+00			21:53		0		13 52		2,635 0	
4	400+00 to 460-	+00			23:26		0		0		34	
7	ODMDS				23:26		0		0 34		0 0	
CONTRACTO	R CERTIFICA		On behalf of th	e contracto	or, I certify that	t this	Report is compl	ete and corre	ct and	all equi	pment and	
QC REPRESE	NTATIVE'S S		material used a	and work pe	erformed durin	ng this my kn	Reporting peri lowledge, excep UPERINTENDER	od are in com t as noted ab	ipliand ove.	e with the	ne contract	
WO KEFRESE	MIMINE 9 9	IGNATUKE		DATE		ြ	OFENIN I ENDEI	TI S INITIALS	ָר '	MIE		

			QUA	LITY	CONTR	OL REPO	ORT-HOPPER DRED	GE		PA	GE NO.	Paç	ge 75 of 95
CONTRACT NO W9127820F0				Pasca	goula Hai	rbor	CONTRACTOR Dutra Dredging Co.			RE	PORT NO.		38
CHARACTER O)F	DIQ Hopper Dredge for Pascagoula Harbor Dutra Dredging Co.						ATE 07/30/2020					
DREI	OGE	HOPF	PER CAP:			4387 CY	AVG VOL OF BIN WAT	ΓER:	0 CY	AVG I	JNFILLED CAP:		0 CY
M/V Co	olumbia					E		WORK SC	HEDULE	SHIFT	TS PER DAY	DAYS P	PER WEEK
LOCATI WO					H DREDG				REA USE		EPOSITED CL		VE AND QTY FOR DA(CY) 716,103
		AVG LENGTH	OF CUT			6000 FT	AVG WIDTH OF CUT		450 FT	AVG E	DIST TO DUMP		2 NM
CHARAC MATE		DENSITY OF M	ATERIALS						2.60	GMS/L	ITER		2.60
MAIL	INAL	DENSITY OF W	ATER						1.0060	GMS/L	ITER@		84 °F
RIVER. STA		MIN	0.38	TIME		19:00	MAX 2.14	TIME	06:00	GAGE		NOAA Lab, MS	
			0.00	TIME		00:00					DATUM MLI	_W	
WEATHER C	CONDITION	Weather Caus	sed No Dela	ay			78 °F / 95 °F	10 MI		15 SE	MPH		
		DRAFT						DISTRIBUT	ION OF TIM	IE AND	E AND MILES RUN		
	LIGHT		LOADED								DREDGE & HAUL (MIN)		ILES RUN NAUT MI)
FORWARD		10				18	EFFECTIVE WORKING	TIME:					
AFT		12				17	PUMPING:			00:00	11:	57	0.0
DRAG DEPTH	MAX 0		MIN	0			TURNING:			00:00	00:	06	0.0
INIDIOATODO	AOT OUEOVED	00/04/00	40				TO DUMP:			00:00	04:	13	0.0
INDICATORS L	AST CHECKED (ON 09/01/20	19				CONNECTING:			00:00	00:	00	0.0
	ED OF DREDGE	DURING	FT	/MIN		0	DUMPING:			00:00	02:	35	0.0
	ED OF DREDGE	DURING	FT	/MIN			DISCONNECTING:			00:00	00:	00	0.0
AGITATING GALLONS OF F	UEL OIL CONSU	JMED		GAL						00:00	04:	22	0.0
GALLONS OF V	VATER CONSUM	MED		GAL			TOTALS:			00:00	23:	13	0.0
						1,008	NON-EFFECTIVE WOF	RKING TIME:	1		1		
			MED	Т						00:00	00:	00	0.0
NO.OF LOADS			AI ADEA				ANCHORAGE:			00:00	00:	00	0.0
9	21,080	1					ELEMENTS:				00:		0.0
							BRIDGES				00:	-	0.0
											00:		0.0
							WORKS	VLLIN			00:	_	0.0
		ATTENDANT PL	ANT								00:		0.0
ІТ	EM	NAME OF	R NUMBER		H.P.	HOURS		_S: 			00:		0.0
Crew	/ Boat	Саре	Anne		400	24:00	MISCELLANEOUS			00:00	00:	-	0.0
Tra	wler	Wild D	ream II		600		TOTALS			00:00	00:	47	0.0
							LOST TIME: MAJOR REPAIRS AND	1	<u> </u>	00.00	000	00	
							ALTERNATIONS			00:00	00:		0.0
							CESSATION:			00:00	00:		0.0
							COLLISIONS:			00:00	00:	-	0.0
							TOTALS:			00:00	24:		0.0
						TOTAL TIME/MILES:			00.00		<u> </u>	0.0	

		QUALITY CON	TROL REPORT-HOPPER	DREDGE	PAGE NO.	Page 76 of 9
QNTRACT NO พรา2782บ0บบา พ9127820F0140	CONTRACT IDIQ Hoppe	T TITLE er Dredge for Pascagoula	CONTRACTO Harbor Dutra Dredgi		REPORT N	IO. 3
DREDGE	NAME AND M/V Columb				DATE 07/30/20	20
	1.1, 1 0014.1.1		LOADS		ļ	
LOAD NUMBER		NG AREA AL AREA	START TIME STOP TIME	PUMPING TURNING	TO DUMP DUMPING TO CUT	TOTAL TIME DREDGED AMOUNT AGITATED AMOUNT
1 400+	00 to 460+00		(HH:MM) 00:00	(MIN) 99	(MIN) 32	(MIN/CYS) 162
ODM	DS		01:39	0	26 5	2,635 0
2 400+	00 to 460+00		02:42	99	31	183
ODM	DS		04:21	0	18 35	2,635 0
3 400+	00 to 460+00		05:45	90	29	184
ODM	DS		07:21	6	20 39	2,635 0
4 400+	00 to 460+00		08:49	95	35	186
ODM	DS		10:24	0	20 36	2,635 0
5 400+	00 to 460+00		12:10	75	32	146
ODM			13:25	0	14 25	2,635 0
6 400+	00 to 460+00		15:08	84	39	191
ODM	DS		16:32	0	30 38	2,635 0
7 400+	00 to 460+00		18:19	96	27	171
ODM	DS		19:55	0	17 31	2,635 0
8 400+	00 to 460+00		21:10	79	28	158
ODM	DS		22:29	0	10 41	2,635 0
9 400+	00 to 460+00		23:48	0	0	12
ODM	DS		23:48	0	0 12	0
C NARRATIVE(S)						
ONTRACTOR CE	OTIEIC ATION		ontractor, I certify that thi			

			QUA	LITY	CONTR	OL REPO	RT-HOPPER DREDG	SE .		PA	GE NO.		Page 77 of 95
		_		Pasca	goula Hai	rbor	CONTRACTOR Dutra Dredging Co.			RE	PORT NO.		39
CHARACTER O	F	IDIQ Hopper Dredge for Pascagoula Harbor NEW WORK NEW WORK											
DRED	CONTRACT TITLE DIDIA Hopper Dredge for Pascagoula Harbor Dutra Dredging Co. Pascagoula Harbor					JNFILLED CAP	:	0 CY					
M/V Co	W9127820F0140 W9127820F0140 W9127820F0140 W9127820F0140 WMAIN DREDGE M/V Columbia LOCATION OF WORK CHARACTER OF MATERIAL DENSITY CO DENS					E		WORK SCI	HEDULE	SHIFT		DA	YS PER WEEK
					H DREDG				REA USE		EPOSITED C		LATIVE AND QTY OSIT FOR DA(CY) 716,103
		AVG LENGTH	•				AVG WIDTH OF CUT		450 FT	AVG E	DIST TO DUMP		2 NM
		DENSITY OF MA	ATERIALS						2.60	GMS/LI	ITER		2.60
MATER	RIAL	DENSITY OF W	ATER						1.0060	GMS/LI	TER@		84 °F
		MIN	0.38	TIME		19:00	MAX 2.14	TIME	06:00	GAGE			3 Pascagoula _ab, MS
STA	JE		0.00	TIME		00:00					DATUM MI	LLW	
WEATHER C	ONDITION		sed No Dela	ay							MPH		
		DRAFT						DISTRIBUT	ION OF TIM	E AND	MILES RUN		
	LIGHT		LOADED								DREDGE 8 HAUL (MIN		MILES RUN (NAUT MI)
FORWARD		10				18	EFFECTIVE WORKING	TIME:					
AFT		12				17	PUMPING:			00:00	00	0:00	0.0
DRAG DEPTH	MAX 0		MIN	0			TURNING:			00:00	00	0:00	0.0
INDICATORS LA	AST CHECKED (ON 09/01/201	19				TO DUMP:						0.0
		30,01,20	. •									0.0	
AVERAGE SPEI	ED OF DREDGE	DURING	FT	Γ/MIN		0						0:00	0.0
	ED OF DREDGE	DURING	F7	Г/МІМ		0						0:00	0.0
	UEL OIL CONSU	JMED		GAL		1,800						0:20	0.0
GALLONS OF W	VATER CONSUM	1ED		GAL				KING TIME:		00.00	00	0:20	0.0
	,	WORK PERFORM	MED	ı						00:00	10	0:46	0.0
	DREDGING A	ND HAULING			AGITA	ATING		OR				2:54	0.0
NO.OF LOADS		_				_	LOSS DUE TO NATURA	AL		00:00	00	0:00	0.0
	0	OBI	про			<u> </u>	LOSS DUE TO TRAFFIC	C AND		00:00	00	0:00	0.0
								EPAIRS		00:00	00	0:00	0.0
								VEEN		00:00	00	0:00	0.0
		 ATTENDANT PL	ANT							00:00	00	0:00	0.0
IT		Γ			н р	HOURS	FIRE AND BOAT DRILL	S:		00:00	00	0:00	0.0
				,			MISCELLANEOUS			00:00	00	0:00	0.0
		·				24.00	TOTALS			00:00	23	3:40	0.0
ırav	wier	VVIIG D	ream II		600		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	

			OLIAL ITV O	ONTROL DER	ODT HODDED	DDEDOE		PAGE NO.	
	Г			ONTROL REP	ORT-HOPPER				Page 78 of 95
CONTRACT NO W9127820F01	,01	CONTRACT TO	ITLE Dredge for Pascago	oula Harbor	CONTRACT Dutra Dredgi			REPORT N	O. 39
DREDGE		NAME AND TY						DATE	
		M/V Columbia			LOADS			07/31/202	20
LOAD NUMBER		DREDGING DISPOSAL		ST S'	TART TIME TOP TIME (HH:MM)	PUMPING TURNING (MIN)	DUM TO	DUMP IPING CUT IIN)	TOTAL TIME DREDGED AMOUNT AGITATED AMOUNT (MIN/CYS)
1	400+00 to 460+	00		,	00:00	0		0	20
	ODMDS				00:00	0		0 20	0
CONTRACTO	R CERTIFICAT	ION	material used a	and work perfo	ormed during t	is Report is comp	riod are in comp	oliance wi	quipment and
QC REPRESE	NTATIVE'S SIG	GNATURE	plans and specifications, to the best of my knowledge, except as noted about DATE SUPERINTENDENT'S INITIALS						

			QUA	LITY	CONTR	OL REPO	RT-HOPPER DREDG	SE .		PA	GE NO.		Page 79 of 95
		_		Pasca	goula Hai	rbor	CONTRACTOR Dutra Dredging Co.			RE	PORT NO.		40
CHARACTER O	F	IDIQ Hopper Ordge for Pascagoula Harbor Dutra Dredging Co.											
CONTRACT IDIQ Hopper Dredge for Pascagoula Harbor					ER:	0 CY	AVG l	JNFILLED CAP:		0 CY			
M/V Co	lumbia					Ε		WORK SCI	HEDULE	SHIFT	TS PER DAY	DAY	S PER WEEK
					H DREDG				REA USE		EPOSITED C		ATIVE AND QTY SIT FOR DA(CY) 716,103
		AVG LENGTH	•				AVG WIDTH OF CUT		450 FT	AVG E	DIST TO DUMP		2 NM
		DENSITY OF MA	ATERIALS						2.60	GMS/LI	TER		2.60
MATER	RIAL	DENSITY OF W	ATER						1.0060	GMS/LI	TER@		84 °F
		MIN	0.38	TIME		19:00	MAX 2.14	TIME	06:00	GAGE			Pascagoula ab, MS
O I A	JL		0.00	TIME		00:00					DATUM ML	.LW	
WEATHER C	ONDITION		ed No Dela	ay							MPH		
		DRAFT						DISTRIBUT	ION OF TIM	IE AND	MILES RUN		
	LIGHT		LOADED						1		DREDGE & HAUL (MIN)		MILES RUN (NAUT MI)
FORWARD		10				18	EFFECTIVE WORKING	TIME:					
AFT		12				17	PUMPING:			00:00	00	:00	0.0
DRAG DEPTH	MAX 0		MIN	0			TURNING:			00:00	00	:00	0.0
INDICATORS LA	AST CHECKED (ON 09/01/201	9				TO DUMP:						0.0
INDIO/ (TOTO E/	OT OFFICINED	00/01/20	.5		CONNECTING: 00			00:00	00	:00	0.0		
	ED OF DREDGE	DURING	F	Γ/ΜΙΝ		0	DUMPING:			00:00	00	:00	0.0
AVERAGE SPE	ED OF DREDGE	DURING	F	Γ/ΜΙΝ		0						0:00	0.0
	UEL OIL CONSU	JMED		GAL		1,291						0:00	0.0
GALLONS OF W	VATER CONSUM	1ED		GAL				KINIO TIME		00:00	00	:00	0.0
	,	WORK PERFORM	/IED							00.00	1 00	:00	0.0
					AGITA	ATING							0.0
NO.OF LOADS			AL AREA					AL				:33	0.0
								C AND				:00	0.0
								=PAIRS				2:27	0.0
							TRANSFERRING BETV					:00	0.0
												:00	0.0
		ATTENDANT PLA	ANT			1		S:				:00	0.0
IT	EM	NAME OF	NUMBER	2	H.P.	HOURS	MISCELLANEOUS			00:00	00	:00	0.0
Trav	wler			00:00	24	:00	0.0						
Crew	Boat	Cape	Anne		400		LOST TIME:						
							MAJOR REPAIRS AND ALTERNATIONS			00:00	00	:00	0.0
							CESSATION:			00:00	00	0:00	0.0
							COLLISIONS:			00:00	00	:00	0.0
							TOTALS:		00:00	00	:00	0.0	
						TOTAL TIME/MILES:			00:00	24	:00	0.0	

						1-		
		QUALITY C	ONTROL REPORT-H	OPPER I	DREDGE	P	AGE NO.	Page 80 of 95
CONTRACT NO.01 W9127820F0140	CONTRACT 1	TITLE Dredge for Pascago		NTRACTO tra Dredgin		R	EPORT NO.	40
DREDGE	NAME AND T	YPE			<u> </u>	D	ATE 08/01/2020	
QC NARRATIVE(S)	M/V Columbia	1					00/01/2020	
40 10 at a t 111 2 (0)								
CONTRACTOR CERTIFI	ICATION	On behalf of th	e contractor, I certify and work performed	y that this	Report is comple	ete and correct	and all equipm	ent and
		material used a	ind work performed ifications, to the bes	during th st of my k	is Reporting perion nowledge, except	od are in compli as noted above	ance with the o	contract
QC REPRESENTATIVE	S SIGNATURE	1	DATE		SUPERINTENDEN		DATE	

			QUA	LITY (CONTR	OL REPO	ORT-HOPP	ER DREDO	GE		PA	GE NO.		Page 81 of 95
	EPORT X MAINTENANCE NEW						CONTRA Dutra Dre	CTOR dging Co.			RE	PORT NO.		41
CHARACTER C)F	X MAINTEN	NANCE		NEW V	VORK		-				TE 08/02/2020		
	DREDGE HOPPER CAP: M/V Columbia NO. OF CREW MEMBERS LOCATION OF LOCATION CHANNEL REACHERS					4387 CY	AVG VOL (OF BIN WAT	ER:	0 CY		JNFILLED CAF	D:	0 CY
M/V Co	olumbia				DREDG	E	OTHER	PLANT	WORK SCI	HEDULE	SHIFT	S PER DAY	DA	YS PER WEEK
		WILIVIDLI			15		4	ļ	DISPOSAL A	DEALIGE	OT/ D	2	01.18.41	7
			.			SED; STA	TO STA		ODMDS	REA USE	GROSS	S(CY)		LATIVE AND QTY OSIT FOR DA(CY)
				400+00	0 - 460+0	0 6000 FT	AVG WIDT	H OF CUT	ODMDS	450 FT	AVG D	0 DIST TO DUMP))	716,103 2 NM
										2 60	GMS/LI			2.60
									ı	1.0060	GMS/LI		7/153	84 °F
		MIN	0.38	TIME		19:00	MAX	2.14	TIME	06:00	GAGE I			_ab, MS
			0.00	TIME		00:00	MAX	0.00	TIME	00:00	GAGE I	DATUM M	ILLW	
WEATHER C	ONDITION		sed No Dela	ıy			TEMP 80 °F	/ 96 °F	VISIBILITY 10 MI		WIND 15 SE	MPH		
		DRAFT							DISTRIBUT	ION OF TI	ME AND	MILES RUN		
	LIGHT		LOADED							AGITA (MII		DREDGE HAUL (MIN		MILES RUN (NAUT MI)
FORWARD		10				18	EFFECTIVE	WORKING	TIME:	(14111	•,	11/10E (WIII	•/ 1	(10.01 101)
AFT		12				17	PUMPING:				00:00	0	00:00	0.0
DRAG DEPTH	MAX 0		MIN	0			TURNING:				00:00	0	00:00	0.0
INDICATORS	INDICATORS LAST CHECKED ON 09/01/2019						TO DUMP:				00:00	0	00:00	0.0
INDICATORS LAST CHECKED ON 09/01/2019						CONNECTI	NG:			00:00	0	00:00	0.0	
_	ED OF DREDGE	DURING	FT.	/MIN		0	DUMPING:				00:00	0	0:00	0.0
	ED OF DREDGE	DURING	FT.	/MIN		0	DISCONNE	CTING:			00:00	0	0:00	0.0
AGITATING GALLONS OF F	UEL OIL CONSU	JMED		GAL		1,250	TO CUT:				00:00		0:00	0.0
GALLONS OF V	VATER CONSUM	ИED		GAL		748	TOTALS:				00:00	0	0:00	0.0
		WORK PERFORM	MED.			7.10	-		RKING TIME:					
		AND HAULING	WIED		AGITA	ATING	TO AND FR		SUPPLIES		00:00		0:00	0.0
NO.OF LOADS	TOTAL CYS		AL AREA			L CYS	ANCHORAGE LOSS DUE		AL		00:00		0:00	0.0
							ELEMENTS LOSS DUE		C AND		00:00		0:00	0.0
							BRIDGES MINOR OPI	ERATING R	EPAIRS		00:00		4:00	0.0
							TRANSFER	RING BETV	VEEN		00:00	0	0:00	0.0
		ATTENDANT DI	ANT				WORKS LAY TIME:				00:00	0	00:00	0.0
		ATTENDANT PLA		Т		нопро	FIRE AND E	BOAT DRILL	.S:		00:00	0	0:00	0.0
	EM 		NUMBER		H.P.	HOURS	MISCELLAN	NEOUS			00:00	0	0:00	0.0
	Boat	Cape			400	24:00	TOTALS				00:00	2	4:00	0.0
Tra	wler	VVIId D	ream II		600		LOST TIME	:						
				_			MAJOR RE ALTERNAT				00:00	0	0:00	0.0
				_			CESSATIO	N:			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 C	ONTROL REPORT-H	IOPPER D	REDGE	P	AGE NO.	Page 82 of 95
CONTRACT NO.01 W9127820F0140	CONTRACT 1	TITLE Dredge for Pascago		NTRACTOR tra Dredging		R	REPORT NO.	41
DREDGE	NAME AND T	YPE		3 3			OATE 08/02/2020	
QC NARRATIVE(S)	M/V Columbia	1					00/02/2020	
4								
CONTRACTOR CERTIFI	ICATION	On hehalf of th	e contractor I cortife	that this	Renort is comple	ate and correct	and all equipm	ent and
CONTINUE ON OLIVIER	JANON	material used a	e contractor, I certify and work performed ifications, to the bes	during this	Reporting perionwise Reporting perion in the Reporting perion in the Report in the Rep	nd are in compl as noted abov	iance with the dec	contract
QC REPRESENTATIVE	S SIGNATURE	1	DATE		UPERINTENDEN		DATE	

			QUA	LITY	CONTR	OL REPO	RT-HOPPER DREDO	SE .		PA	GE NO.		Page 83 of 95
		_		Pasca	goula Hai	rbor	CONTRACTOR Dutra Dredging Co.			RE	PORT NO.		42
CHARACTER O	MIN												
CONTRACT TITLE IDIO Hopper Dradge for Pascagoula Harbor Dutra Dradging Co.					0 CY	AVG l	JNFILLED CAP:		0 CY				
M/V Co	lumbia					E		WORK SCI	HEDULE	SHIFT	TS PER DAY	DAY	/S PER WEEK
					H DREDG				REA USE		EPOSITED C		ATIVE AND QTY SIT FOR DA(CY) 716,103
				100 0			AVG WIDTH OF CUT	1	450 FT	AVG D			2 NM
CHARAC	TER OF	DENSITY OF MA	ATERIALS						2.60	GMS/LI	ITER		2.60
MATER	RIAL	DENSITY OF W	ATER						1.0060	GMS/LI	TER@		84 °F
		MIN	0.38	TIME		19:00	MAX 2.14	TIME	06:00	GAGE I			Pascagoula ab, MS
OTA:			0.00	TIME		00:00					DATUM ML	LW	
WEATHER C	ONDITION		ed No Dela	ay							MPH		
		DRAFT						DISTRIBUT	ION OF TIM	IE AND	MILES RUN		
	LIGHT		LOADED						1		DREDGE & HAUL (MIN)		MILES RUN (NAUT MI)
FORWARD		10				18	EFFECTIVE WORKING	TIME:					
AFT		12				17	PUMPING:			00:00	00	0:00	0.0
DRAG DEPTH	MAX 0		MIN	0			TURNING:			00:00	00	0:00	0.0
INDICATORS LA	AST CHECKED (ON 09/01/201	9				TO DUMP:			00:00	00	0:00	0.0
									0:00	0.0			
	ED OF DREDGE	DURING	F7	Γ/MIN		0						0:00	0.0
AVERAGE SPE	ED OF DREDGE	DURING	FI	Γ/ΜΙΝ		0						0:00	0.0
	UEL OIL CONSU	JMED		GAL		759						0:00	0.0
GALLONS OF W	VATER CONSUM	1ED		GAL		748		KING TIME:		00:00	00	0:00	0.0
	\	WORK PERFORM	/IED	I						00:00	00	0:00	0.0
	DREDGING A	ND HAULING			AGITA	ATING	TO AND FROM WHARF					:00	0.0
NO.OF LOADS	TOTAL CYS	DISPOSA	AL AREA		TOTA	L CYS	LOSS DUE TO NATURA	AL				0:00	0.0
							LOSS DUE TO TRAFFI	CAND		00:00	00	0:00	0.0
								EPAIRS		00:00	20	0:00	0.0
								VEEN		00:00	00	0:00	0.0
		ATTENDANT PL	ΔNT							00:00	00	0:00	0.0
ıT				. [ш.	HOUBS	FIRE AND BOAT DRILL	S:		00:00	00	0:00	0.0
				,			MISCELLANEOUS			00:00	00	0:00	0.0
	TOTALS			00:00	24	:00	0.0						
Trav	wier	Wild D	ream II		600		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	:00	0.0	

		QUALITY C	ONTROL REPORT-	HOPPER	DREDGE	PA	GE NO.	Page 84 of 95
CONTRACTINOU1 W9127820F0140	CONTRACT 1	TITLE Dredge for Pascago		ONTRACTO		RE	PORT NO.	42
DREDGE	NAME AND T	YPE				DA	ATE 08/03/2020	
QC NARRATIVE(S)	M/V Columbia	1					5676672626	
GO MARIONITE (O)								
CONTRACTOR CERTIF	ICATION	On behalf of th	e contractor I certi	fy that this	s Report is complete and	correct a	nd all equinme	nt and
	-	material used a	and work performed	during th	s Report is complete and his Reporting period are i	n complia	ance with the co	ontract
00 DEDDEOENT - T" (T	10 01011471157	plans and spec			knowledge, except as not			
QC REPRESENTATIVE	o SIGNATURE		DATE		SUPERINTENDENT'S INI	HALS	DATE	

QUALITY CONTROL REPORT-HOPPER DREDGE								PA	GE NO.	Page 85 of 95		
CONTRACT NO W9127820F0		CONTRACT TI		Pasca	goula Hai	rbor	CONTRACTOR Dutra Dredging Co.			RE	PORT NO.	43
CHARACTER O	F	X MAINTEN	IANCE] NEW V	VORK					ATE 08/04/2020	-
DRED	GE	HOPF	ER CAP:			4387 CY	AVG VOL OF BIN WAT	ER:	0 CY	AVG l	JNFILLED CAP:	0 CY
M/V Co	olumbia	NO. OF CF MEMBEF			DREDG 15	E	OTHER PLANT	WORK SCI	HEDULE	SHIFT	S PER DAY	DAYS PER WEEK
LOCATION		LOCATION CH				GED; STA		DISPOSAL A	REA USE	QTY DEPOSITED GROSS(CY) 17,635		MULATIVE AND QTY EPOSIT FOR DA(CY) 733,738
		AVG LENGTH	•			6000 FT	AVG WIDTH OF CUT	1	450 FT	AVG D	DIST TO DUMP	2 NM
CHARAC	TER OF	DENSITY OF MA	ATERIALS						2.60 GMS/LITER			2.60
MATER	RIAL	DENSITY OF W	ATER						1.0060	GMS/LI	TER@	84 °F
	ER/TIDE MIN					GAGE I		1533 Pascagoula AA Lab, MS				
OTA		MIN	0.00	TIME		00:00		TIME		GAGE I	DATUM MLL	W
WEATHER C	ONDITION	WEATHER Weather Caus	ed No Dela	ay			TEMP 82 °F / 92 °F					
	DRAFT							DISTRIBUT	ION OF TIM	E AND	MILES RUN	
	LIGHT		LOADED						AGITAT (MIN		DREDGE & HAUL (MIN)	MILES RUN (NAUT MI)
FORWARD		10				18	EFFECTIVE WORKING	TIME:				·
AFT		12				17	PUMPING:			00:00	11:	0.0
DRAG DEPTH	MAX 0		MIN	0			TURNING:			00:00	00:	0.0
INDICATORS	NOT OUTOKED	ON 09/01/201	10				TO DUMP:			00:00	03:	0.0
INDICATORS LA			CONNECTING:			00:00	00:	0.0				
	ED OF DREDGE	DURING	F1	Γ/ΜΙΝ		0	DUMPING:			00:00	01::	27 0.0
	ED OF DREDGE	DURING	F1	Γ/ΜΙΝ		0	DISCONNECTING:			00:00	00:	0.0
AGITATING GALLONS OF F	UEL OIL CONSU	JMED		GAL		241	TO CUT:			00:00	03:	30 0.0
GALLONS OF W	VATER CONSUM	MED		GAL			TOTALS:			00:00	19:	0.0
						748	NON-EFFECTIVE WORKING TIME:					
		WORK PERFORM	MED				TAKING ON FUEL AND			00:00	00:	0.0
NO.OF LOADS	TOTAL CYS	ND HAULING	AL AREA			L CYS	TO AND FROM WHARF OR ANCHORAGE:			00:00	04:	13 0.0
8	17,635	ODN)	LOSS DUE TO NATURA			00:00	00:	0.0
							LOSS DUE TO TRAFFIOR BRIDGES	J AND		00:00	00:	0.0
							MINOR OPERATING RI			00:00	00:	
							WORKS	VLLIN		00:00	00:	
		ATTENDANT PL	ANT				LAY TIME:			00:00	00:	
IT	ЕМ	NAME OF	NUMBER	2	H.P.	HOURS	FIRE AND BOAT DRILL	S:		00:00	00:	
Crew	Boat	Cape	Anne		400	24:00	MISCELLANEOUS			00:00	00:	
Trav	Trawler Wild Dream II 600						00:00	04:	13 0.0			
							LOST TIME: MAJOR REPAIRS AND				T	
							ALTERNATIONS			00:00	00:	
							CESSATION:			00:00	00:	
							COLLISIONS:			00:00	00:	
							TOTALS:			00:00	00:	
							TOTAL TIME/MILES:			00:00	24:	0.0

		QL	JALITY CONTROL	. REPORT-HOPPER	DREDGE	PAC	GE NO. Page 86 of 9
WT2782UN W9127820F0		CONTRACT TITLE IDIQ Hopper Dredge for	or Pascagoula Harbo	CONTRACT or Dutra Dredgi		REF	PORT NO.
DREDGE	7140	NAME AND TYPE	or r ascagoula riarbe	DA			
		M/V Columbia		LOADS		08	8/04/2020
LOAD		DREDGING AREA		START TIME	PUMPING	TO DUM	
NUMBER		DISPOSAL AREA		STOP TIME (HH:MM)	TURNING (MIN)	DUMPIN TO CUT (MIN)	
1	400+00 to 460)+00		04:13 05:30	77 0	34 20	131 2,365
	ODMDS			05.30	0	0	0
2	400+00 to 460)+00		06:24	80	29	146
	ODMDS			07:44	0	13 24	2,365 0
3	400+00 to 460	0+00		08:50	71	27	148
3	ODMDS			10:01	0	12	2,365
						38	0
4	400+00 to 460	J+U0		11:18 13:12	114 0	29 8	182 2,635
	ODMDS			751.12	_	31	0
5	400+00 to 460)+00		14:20	100	30	175
	ODMDS			16:00	0	8 37	2,635 0
	400+00 to 460)+00		17:15	86	37	168
6	ODMDS	,.00		18:41	0	15	2,635
						30	0
7	400+00 to 460)+00		20:03	84 0	40 11	162 2,635
	ODMDS			21:27	0	27	0
8	400+00 to 460)+00		22:45	52	0	75
	ODMDS			23:37	0	0 23	0

QUALITY CONTROL REPORT-HOPPER DREDGE								PA	GE NO.	Page 87 of 95		
CQNTRACT_NO W9127820F0		CONTRACT TI		Pasca	goula Hai	rbor	CONTRACTOR Dutra Dredging Co.			RE	PORT NO.	44
CHARACTER O	F	X MAINTEN	IANCE] NEW V	VORK					ATE 08/05/2020	
DRED	GE	HOPF	ER CAP:			4387 CY	AVG VOL OF BIN WAT	ER:	0 CY	AVG l	JNFILLED CAP:	0 CY
M/V Co	lumbia	NO. OF CF MEMBEF			DREDG 15	E	OTHER PLANT	WORK SCI	HEDULE	SHIFT	S PER DAY	DAYS PER WEEK
LOCATION		LOCATION CH				GED; STA		DISPOSAL A	REA USE	QTY DEPOSITED GROSS(CY) 21,080		JMULATIVE AND QTY DEPOSIT FOR DA(CY) 754,818
		AVG LENGTH	•			11000 FT	AVG WIDTH OF CUT	1	450 FT	AVG D	DIST TO DUMP	2 NM
CHARAC	TER OF	DENSITY OF MA	ATERIALS						2.60 GMS/LITER			2.60
MATER	RIAL	DENSITY OF W	ATER						1.0060	GMS/LI	TER@	84 °F
RIVER/		MIN 0.43 TIME 00:00 MAX 1.84 TIME 10:00 C				GAGE I		1533 Pascagoula AA Lab, MS				
OTA		MIN	0.00	TIME		00:00		TIME		GAGE I	DATUM MLI	_W
WEATHER C	ONDITION	WEATHER Weather Caus	ed No Dela	ay			TEMP 82 °F / 92 °F					
	DRAFT							DISTRIBUT	ION OF TIM	E AND	MILES RUN	
	LIGHT		LOADED						AGITAT (MIN		DREDGE & HAUL (MIN)	MILES RUN (NAUT MI)
FORWARD		10				18	EFFECTIVE WORKING	TIME:				
AFT		12				17	PUMPING:			00:00	13:	40 0.0
DRAG DEPTH	MAX 0		MIN	0			TURNING:			00:00	00:	0.0
INDICATORS	NOT OUTOKED	ON 00/04/004	10				TO DUMP:			00:00	04:	31 0.0
INDICATORS LA	ICATORS LAST CHECKED ON 09/01/2019 CONNECTING:			00:00	00:	0.0						
	ED OF DREDGE	DURING	FT	Γ/ΜΙΝ		0	DUMPING:			00:00	01:	39 0.0
	ED OF DREDGE	DURING	FT	Γ/ΜΙΝ		0	DISCONNECTING:			00:00	00:	0.0
AGITATING GALLONS OF F	UEL OIL CONSU	JMED		GAL			TO CUT:			00:00	04:	
GALLONS OF W	VATER CONSUM	MED		GAL			TOTALS:			00:00	24:	0.0
						672	NON-EFFECTIVE WOR	KING TIME:			T	
		WORK PERFORM	MED	Т			TAKING ON FUEL AND			00:00	00:	0.0
NO.OF LOADS	TOTAL CYS	IND HAULING	AL AREA			L CYS	TO AND FROM WHARF ANCHORAGE: LOSS DUE TO NATURA			00:00	00:	0.0
9	21,080	ODN)	ELEMENTS: LOSS DUE TO TRAFFIG			00:00	00:	
							BRIDGES			00:00	00:	
							MINOR OPERATING RI			00:00	00:	
							WORKS	VLLIN		00:00	00:	
		ATTENDANT PL	ANT				LAY TIME:			00:00	00:	
IT	ЕМ	NAME OF	NUMBER	2	H.P.	HOURS	FIRE AND BOAT DRILL	S:		00:00	00:	
Crew	Boat	Cape	Anne		400	24:00	MISCELLANEOUS			00:00	00:	
Trav	wler	Wild D	Wild Dream II 600					00:00	00:	0.0		
							LOST TIME: MAJOR REPAIRS AND			00.00	00	00
							ALTERNATIONS			00:00	00:	
							CESSATION:			00:00	00:	
							COLLISIONS:			00:00	00:	
							TOTAL TIME (MAIL ES)			00:00	00:	
							TOTAL TIME/MILES:			00:00	24:	0.0

		QUALITY C	ONTROL REPORT-HOPPER	DREDGE	PAGE NO.	Page 88 of 95
ONTRACT NO W9127820F0		CONTRACT TITLE IDIQ Hopper Dredge for Pascago	CONTRACTo oula Harbor Dutra Dredgi		REPORT N	IO. 44
DREDGE		NAME AND TYPE M/V Columbia		DATE 08/05/20	20	
		W/V COldifibia	LOADS		L.	
LOAD NUMBER		DREDGING AREA DISPOSAL AREA	START TIME STOP TIME	PUMPING TURNING	TO DUMP DUMPING TO CUT	TOTAL TIME DREDGED AMOUNT AGITATED AMOUNT
1	350+00-460+00)	(HH:MM) 00:00	(MIN) 9	(MIN) 33	(MIN/CYS) 50
ı	ODMDS		00:09	0	8 0	2,635 0
2	350+00-460+00)	00:50	107	39	186
	ODMDS		02:37	0	8 32	2,635 0
3	350+00-460+00)	03:56	87	37	178
3	ODMDS		05:23	0	17 37	2,635 0
4	350+00-460+00)	06:54	105	32	185
	ODMDS		08:39	0	17 31	2,635 0
5	350+00-460+00)	09:59	114	41	187
	ODMDS		11:53	0	8 24	2,635 0
6	350+00-460+00)	13:06 14:36	90 0	37 8	166 2,635
	ODMDS		14.30	o o	31	0
7	350+00-460+00)	15:52	123	26	199
	ODMDS		17:55	0	18 32	2,635 0
8	350+00-460+00)	19:11	126	26	189
	ODMDS		21:17	0	15 22	2,635 0
9	350+00-460+00)	22:20	59 0	0	100 0
	ODMDS		23:19	U	41	0
	OR CERTIFICAT		e contractor, I certify that thi			

QUALITY CONTROL REPORT-HOPPER DREDGE								PA	GE NO.	Page 89 of 95		
CQNTRACT_NO W9127820F0		CONTRACT TI		Pascag	goula Hai	rbor	CONTRACTOR Dutra Dredging Co.			RE	PORT NO.	45
CHARACTER O)F	X MAINTEN	NANCE] NEW V	VORK					ATE 08/06/2020	
DRED	GE	HOPF	PER CAP:			4387 CY	AVG VOL OF BIN WAT	ER:	0 CY	AVG l	JNFILLED CAP:	0 CY
M/V Co	olumbia	NO. OF CF MEMBEF			DREDG 15	E	OTHER PLANT	WORK SCI	HEDULE	SHIFT	S PER DAY	DAYS PER WEEK
LOCATION		LOCATION CH	.			GED; STA		DISPOSAL A	REA USE	QTY DI GROSS	EPOSITED CL	JMULATIVE AND QTY DEPOSIT FOR DA(CY) 775,898
		AVG LENGTH	•			11000 FT	AVG WIDTH OF CUT	1	450 FT	AVG D	DIST TO DUMP	2 NM
CHARAC	TER OF	DENSITY OF MA	ATERIALS						2.60	GMS/LI	ITER	2.60
MATER	RIAL	DENSITY OF W	ATER						1.0060	GMS/LI	TER@	84 °F
RIVER/		MIN	0.76 TIME 00:00 MAX 2.02 TIME 12:00 G				GAGE I		1533 Pascagoula AA Lab, MS			
OTA		MIN	0.00	TIME		00:00		TIME		GAGE I	DATUM MLI	_W
WEATHER C	ONDITION	WEATHER Weather Caus	sed No Dela	ay			TEMP 82 °F / 92 °F					
	DRAFT							DISTRIBUT	ION OF TIM	E AND	MILES RUN	
	LIGHT		LOADED						AGITAT (MIN		DREDGE & HAUL (MIN)	MILES RUN (NAUT MI)
FORWARD		10				18	EFFECTIVE WORKING	TIME:				
AFT		12				17	PUMPING:			00:00	13:	37 0.0
DRAG DEPTH	MAX 0		MIN	0			TURNING:			00:00	00:	0.0
INDICATORS LA	AST CHECKED (ON 09/01/201	19				TO DUMP:			00:00	04:	29 0.0
				CONNECTING:			00:00	00:				
AVERAGE SPEI	ED OF DREDGE	DURING	F	Γ/ΜΙΝ		0	DUMPING:			00:00	01:	
	ED OF DREDGE	DURING	F	Γ/ΜΙΝ		0	DISCONNECTING:			00:00	00:	
	UEL OIL CONSU	JMED		GAL		1,928	TO CUT: TOTALS:			00:00	04:	
GALLONS OF W	VATER CONSUM	1ED		GAL		896	NON-EFFECTIVE WOR	KING TIME:		00.00	23:	49 0.0
	,	WORK PERFORM	ИED				TAKING ON FUEL AND SUPPLIES				00:	00 0.0
	DREDGING A	ND HAULING			AGITA	ATING	TO AND FROM WHARF	OR		00:00	00:	
NO.OF LOADS	TOTAL CYS 21,080	DISPOSA	AL AREA			L CYS	ANCHORAGE: LOSS DUE TO NATURA ELEMENTS:	AL		00:00	00:	0.0
	21,000	OBI	про			<u> </u>	LOSS DUE TO TRAFFICE BRIDGES	C AND		00:00	00:	11 0.0
							MINOR OPERATING RI	EPAIRS		00:00	00:	0.0
							TRANSFERRING BETW WORKS	VEEN		00:00	00:	0.0
		 ATTENDANT PL/	ANT				LAY TIME:			00:00	00:	0.0
IT	EM	Γ	R NUMBER	,	H.P.	HOURS	FIRE AND BOAT DRILL	S:		00:00	00:	0.0
Trav		Wild D		•	600	24:00	MISCELLANEOUS			00:00	00:	0.0
						24.00	TOTALS			00:00	00:	11 0.0
Crew Boat Cape Anne 400					LOST TIME:							
							MAJOR REPAIRS AND ALTERNATIONS			00:00	00:	0.0
							CESSATION:			00:00	00:	0.0
							COLLISIONS:			00:00	00:	0.0
							TOTALS:			00:00	00:	0.0
							TOTAL TIME/MILES:			00:00	24:	0.0

		QUALITY C	ONTROL REPORT-HOPPER	DREDGE	PAGE NO.	Page 90 of 95
ONTRACT NO W9127820F0		CONTRACT TITLE IDIQ Hopper Dredge for Pascago	CONTRACToula Harbor Dutra Dredgi		REPORT N	IO. 45
DREDGE		NAME AND TYPE M/V Columbia			DATE 08/06/20	20
		W/V COIGITIDIA	LOADS		L	
LOAD NUMBER		DREDGING AREA DISPOSAL AREA	START TIME STOP TIME	PUMPING TURNING	TO DUMP DUMPING TO CUT	TOTAL TIME DREDGED AMOUNT AGITATED AMOUNT
1	350+00-460+00)	(HH:MM) 00:00	(MIN) 63	(MIN) 34	(MIN/CYS) 105
	ODMDS		01:03	0	8 0	2,635 0
2	350+00-460+00)	01:45	123	30	193
	ODMDS		03:48	0	8 32	2,635 0
3	350+00-460+00)	04:58	96	26	170
	ODMDS		06:34	0	19 29	2,635 0
4	350+00-460+00)	07:59	84	40	177
	ODMDS		09:23	0	13 40	2,635
5	350+00-460+00)	10:56	120	38	208
	ODMDS		12:56	0	14 36	2,635 0
6	350+00-460+00)	14:24	120	37	212
	ODMDS		16:24	0	14 41	2,635 0
7	350+00-460+00)	17:56	103	38	185
	ODMDS		19:39	0	11 33	2,635 0
8	350+00-460+00)	21:01	108	26	166
	ODMDS		22:49	0	8 24	2,635 0
9	350+00-460+00)	23:47	0	0	13
	ODMDS		23:47	0	0 13	0
C NARRAT						
ONTRACTO	OR CERTIFICAT		e contractor, I certify that thi nd work performed during t	s Report is complete	and correct and all e	equipment and

QUALITY CONTROL REPORT-HOPPER DREDGE								PA	GE NO.	Page 91 of 95		
CONTRACT NO W9127820F0		CONTRACT TI		Pasca	goula Hai	rbor	CONTRACTOR Dutra Dredging Co.			RE	PORT NO.	46
CHARACTER O	F	X MAINTEN	NANCE] NEW V	VORK					ATE 08/07/2020	
DRED	GE	HOPF	PER CAP:			4387 CY	AVG VOL OF BIN WAT	ER:	0 CY	AVG l	JNFILLED CAP:	0 CY
M/V Co	olumbia	NO. OF CF MEMBEF			DREDG 15	E	OTHER PLANT	WORK SCI	HEDULE	SHIFT	S PER DAY	DAYS PER WEEK
LOCATION		LOCATION CH				GED; STA		DISPOSAL A	REA USE	QTY DI GROSS	EPOSITED CL	, IMULATIVE AND QTY EPOSIT FOR DA(CY) 794.343
		AVG LENGTH		400.0	0 - 400 . 0	6000 FT	AVG WIDTH OF CUT		450 FT	AVG D	DIST TO DUMP	2 NM
CHARAC ⁻	TER OF	DENSITY OF MA	ATERIALS						2.60	GMS/LI	TER	2.60
MATER		DENSITY OF W	ATER					1.0060				84 °F
	RIVER/TIDE					12:00	GAGE I		1533 Pascagoula AA Lab, MS			
STA	GE	MIN	TIME		00:00	MAX 0.00	TIME	00:00	GAGE I	DATUM MLL	.W	
WEATHER C	ONDITION	WEATHER Weather Caus	sed No Dela	av			TEMP 82 °F / 92 °F	TEMP VISIBILITY V 82 °F / 92 °F 10 MI 1				
		DRAFT		- <u>,</u>			02 1 7 02 1				MILES RUN	
	LIGHT		LOADED						AGITAT (MIN		DREDGE & HAUL (MIN)	MILES RUN (NAUT MI)
FORWARD		10				18	EFFECTIVE WORKING	TIME:		,	- (/	, ,
AFT		12				17	PUMPING:			00:00	13:	19 0.0
DRAG DEPTH	MAX 0		MIN	0			TURNING:			00:00	00:	0.0
							TO DUMP:			00:00	04:	32 0.0
INDICATORS LA	ATORS LAST CHECKED ON 09/01/2019 CONNECTING:				00:00	00:	0.0					
	ED OF DREDGE	DURING	F1	Γ/ΜΙΝ		0	DUMPING:			00:00	01:	0.0
LOADING AVERAGE SPE	ED OF DREDGE	DURING	F1	Γ/ΜΙΝ		0	DISCONNECTING:			00:00	00:	0.0
AGITATING GALLONS OF F	UEL OIL CONSU	JMED		GAL			TO CUT:			00:00	03:	58 0.0
GALLONS OF W	VATER CONSUM	1FD		GAL			TOTALS:			00:00	23::	0.0
- C/1220110 01 1				O/ (L		896	NON-EFFECTIVE WOR	KING TIME:				
		WORK PERFORM	MED				TAKING ON FUEL AND			00:00	00:	0.0
NO OF LOADS		ND HAULING				ATING	TO AND FROM WHARF ANCHORAGE:			00:00	00:	0.0
NO.OF LOADS 8	TOTAL CYS 18,445	DISPOSA	AL AREA //DS			L CYS	LOSS DUE TO NATURA ELEMENTS:			00:00	00:	0.0
							LOSS DUE TO TRAFFIOR BRIDGES	C AND		00:00	00:	0.0
							MINOR OPERATING RI			00:00	00:	0.0
							TRANSFERRING BETW WORKS	VEEN		00:00	00:	0.0
		ATTENDANT PL	ANT				LAY TIME:			00:00	00:	0.0
IT	EM	NAME OF	NUMBER	1	H.P.	HOURS	FIRE AND BOAT DRILL	S:		00:00	00:	0.0
Crew	Boat	Cape	Anne		400	24:00	MISCELLANEOUS			00:00	00:	0.0
Trav		Wild D			600		TOTALS			00:00	00:	0.0
110		VVIIG D	. 2001111				LOST TIME:		Γ			
							MAJOR REPAIRS AND ALTERNATIONS			00:00	00:	0.0
							CESSATION:			00:00	00:	0.0
							COLLISIONS:			00:00	00:	0.0
							TOTALS:			00:00	00:	0.0
							TOTAL TIME/MILES:			00:00	24:	0.0

		QUALITY C	ONTROL REPORT-HOPPER	DREDGE	PAGE NO.	Page 92 of 95
ONTRACT NO W9127820F0		CONTRACT TITLE IDIQ Hopper Dredge for Pascago	CONTRACT oula Harbor Dutra Dredgi		REPORT N	IO. 46
DREDGE		NAME AND TYPE M/V Columbia			DATE 08/07/20	20
		W/V Columbia	LOADS		ļ.	
LOAD NUMBER		DISPOSAL AREA STOP TIME TURNING		PUMPING TURNING	TO DUMP DUMPING TO CUT	TOTAL TIME DREDGED AMOUNT AGITATED AMOUNT
1	400+00 to 460	0+00	(HH:MM) 00:00	(MIN) 120	(MIN) 32	(MIN/CYS) 182
'	ODMDS		02:00	0	8 22	2,635 0
2	400+00 to 460 ODMDS	0+00	03:02 04:22	80 0	36 12 36	164 2,635 0
	400+00 to 460	0+00	05:46	94	25	196
3	0DMDS)+ 00	07:24	4	32 41	2,635 0
4	400+00 to 460	D+00	09:02	120	39	198
7	ODMDS		11:02	0	8 31	2,635 0
5	400+00 to 460)+00	12:20	55	31	128
	ODMDS		13:15	0	8 34	2,635 0
6	400+00 to 460)+00	14:28 16:19	111 0	37 17	194 2,635
	ODMDS		10.19	o o	29	0
7	400+00 to 460)+00	17:42	110	36	177
·	ODMDS		19:32	0	9 22	2,635 0
8	400+00 to 460 ODMDS	0+00	20:39 22:28	109 0	36 0 23	168 0 0
	OR CERTIFICA					

			QUA	LITY	CONTR	OL REPO	ORT-HOPPER DRED	GE		PA	AGE NO.	Page 93 of 95
CQNTRACT NO W9127820F0		CONTRACT TI		Pasca	goula Hai	bor	CONTRACTOR Dutra Dredging Co.			RE	PORT NO.	47
CHARACTER C)F	X MAINTEN	NANCE] NEW V	VORK					ATE 08/08/2020	
DRED	GE	HOPF	PER CAP:			4387 CY	AVG VOL OF BIN WA	ΓER:	0 CY	AVG	UNFILLED CAP:	0 CY
M/V Co	olumbia	NO. OF CF MEMBER			DREDG 15	E	OTHER PLANT	WORK SC	HEDULE	SHIFT	TS PER DAY	DAYS PER WEEK
LOCATI WOI		LOCATION CH				GED; STA		DISPOSAL A	REA USE	QTY D GROS	IMULATIVE AND QTY DEPOSIT FOR DA(CY) 802,248	
		AVG LENGTH	OF CUT			6000 FT	AVG WIDTH OF CUT		450 FT	AVG [DIST TO DUMP	2 NM
CHARAC		DENSITY OF M	ATERIALS						2.60	GMS/L	ITER	2.60
MATE	RIAL	DENSITY OF W	ATER						1.0060	GMS/L	ITER@	84 °F
RIVER/ STA		MIN	0.76	TIME		00:00	MAX 2.02	TIME	12:00 GAGE LOCATION			1533 Pascagoula AA Lab, MS
OIA.	<u> </u>	MIN	0.00	TIME		00:00		TIME	00:00		DATUM MLI	.W
WEATHER C	ONDITION	WEATHER Weather Caus	ed No Dela	av.			TEMP 82 °F / 92 °F	VISIBILITY 10 MI		WIND 10 W I	ирн	
		DRAFT	ocu No Deli	ч			02 1 7 32 1	•	ION OF TIM		MILES RUN	
	LIGHT		LOADED						AGITAT (MIN		DREDGE & HAUL (MIN)	MILES RUN (NAUT MI)
FORWARD		10				18	EFFECTIVE WORKING	TIME:	(.,		(1.0.10.1.111)
AFT		12				17	PUMPING:			00:00	03::	28 0.0
DRAG DEPTH	MAX 0		<u> </u>	0			TURNING:			00:00	00:	0.0
							TO DUMP:			00:00	01::	20 0.0
INDICATORS LAST CHECKED ON 09/01/2019						CONNECTING:			00:00	00:	0.0	
AVERAGE SPE	ED OF DREDGE	DURING	F1	Γ/MIN		0	DUMPING:			00:00	01:	0.0
LOADING AVERAGE SPE	ED OF DREDGE	DURING	F1	Γ/ΜΙΝ			DISCONNECTING:			00:00	00:	0.0
AGITATING	UEL OIL CONSU	IMED		GAL		0	TO CUT:			00:00	01:	12 0.0
	VATER CONSUM			GAL		671	TOTALS:			00:00	07:	0.0
GALLEGING OF V	WATER CONCOR			OAL		896	NON-EFFECTIVE WOF	RKING TIME:				
		WORK PERFORI	MED				TAKING ON FUEL AND			00:00	00:	0.0
NO OF LOADS		AND HAULING				ATING	TO AND FROM WHAR ANCHORAGE:			00:00	00:	0.0
NO.OF LOADS	TOTAL CYS 7,905	1	AL AREA MDS		TOTA	L CYS	LOSS DUE TO NATUR ELEMENTS:			00:00	00:	0.0
							LOSS DUE TO TRAFFI BRIDGES	C AND		00:00	00:	31 0.0
							MINOR OPERATING R			00:00	00:	18 0.0
							TRANSFERRING BET\ WORKS	WEEN		00:00	16:	0.0
		ATTENDANT PL	ANT				LAY TIME:			00:00	00:	0.0
IT	EM	NAME OF	R NUMBER	1	H.P.	HOURS	FIRE AND BOAT DRILI	_S:		00:00	00:	0.0
Crew	Boat	Cape	Anne		400	07:00	MISCELLANEOUS			00:00	00:	0.0
Tra	wler	Wild D	ream II		600		TOTALS			00:00	16:	53 0.0
							LOST TIME:		Γ		1	
							MAJOR REPAIRS AND ALTERNATIONS			00:00	00:	
							CESSATION:			00:00	00:	
							COLLISIONS:			00:00	00:	
							TOTALS:			00:00	00:	
							TOTAL TIME/MILES:			00:00	24:	0.0

	QUALITY CONTROL REPORT-HOPPER DREDGE								PAGE NO. Page 94 of 95		
CONTRACT NO W9127820F01		CONTRACT T	TITLE Dredge for Pascago	oula Harbor	CONTRACT			REPORT NO). 47		
DREDGE		NAME AND T	/PE			<u> </u>		DATE 08/08/202			
		M/V Columbia		L	OADS			00/00/202			
LOAD NUMBER		DREDGINO DISPOSAL		STA ST	ART TIME OP TIME HH:MM)	PUMPING TURNING (MIN)	S DUM	DUMP MPING CUT MIN)	TOTAL TIME DREDGED AMOUNT AGITATED AMOUNT (MIN/CYS)		
1	400+00 to 460	+00		(-	00:00	0	,	2	10		
	ODMDS				00:00	0		8	2,635 0		
2	400+00 to 460	+00			00:10 01:56	106 0		38	185 2,635		
	ODMDS						1	8 33	0		
3	400+00 to 460	+00			03:15 04:57	102 0	I	40 51	232 2,635		
	ODMDS				04.37			39	0		
CONTRACTO	R CERTIFICA	TION	material used a	ind work perfor	rmed during	this Reporting p	mplete and corre	pliance with	quipment and		
QC REPRESE	NTATIVE'S S	IGNATURE	pians and spec	DATE	ie nest of My		cept as noted abo				

	QUALITY CONTROL REPO	DRT-HOPPER DREDGE	PAGE NO. Page 95 of 95
CQNTRACTINO 01 W9127820F0140	CONTRACT TITLE	CONTRACTOR	REPORT NO.
W9127820F0140	IDIQ Hopper Dredge for Pascagoula Harbor	Dutra Dredging Co.	47