			ntal of Hopper W912		and Atte -0092	PER DREDGES Endant Plant			REPOR ENGCW-0-13		ITROL S REP	YMBOL PORT:	2
DISTRICT						DICT			DREDGE	MINCO	DLUMBIA	^	
		'	U.S. ARMY CC	E, MOB	ILE DISTI	RICI				MI/VCC)LUMBIA	λ	
EXACT LOCATION			-hila Al				1	MAINTENIANCE	DATE				
Mobile Ha	arbor Snij	p Channel, M Dredge Are					Į.	MAINTENANCE	######################################	NS IN C	REW		
	Sta	1100+00 to					I	NEW WORK				13	
AV LENGTH OF C		6000	FT	DENCIT	Y OF MA	CHARACTER OF N			HOPPER CAPACITY			4387	CU YDS
AV WIDTH OF CU AV DIST TO DUM		400 22.5	FT Sta. MILE				1.045	gms/liter gms/liter	AV VOL OF BIN WAT AV UNFILLED CAPA			0	CU YDS CU YDS
NAVIGATION AND	OTHER	DREDGING	AIDS: (Describ	e and in	clude stat	tement on adequa							
		RADAI	R, DIGITAL GY	'RO COI	MPASS IN	NTERFACED WIT	H DIFFEI	RENTIAL GPS, DIS	SPLAYED WITH HYP	ACK			
			VORK PERFOR	RMED				DRAFT FOR LOA	D NO			AVG	
NO OF LOADS		NG AND HAU CU YDS	ILING DISPOSAL	ΔΡΕΔ		AGITATING TOT CU YDS		FORWARD	-	LIG	HT	LOAI	DED
0	101	0	DIOI COAL	ANLA	Today:	101 00 120		AFT					
Danieus Tatal		^	Mobile 102	-SW	Descri			DRAG DEPTH	OT CHECKED ON			0/4/0047	
Previous Total 0		0			Prev: To Date:			GAS INJECTORS	ST CHECKED ON SUSED			8/4/2017	
						DISTRIBUTIO	N OF TI	ME					
						GITATING		DREDG	ING AND HAULING			MILES RUI	
EFFECTIVE WORI	KING TIN	ЛE				(Minutes)			(Minutes)			(Stat. Miles	5)
PUMPING		•							0:00	0			
TURNING TO DUMP									0:00	0			
DUMPING									0:00	0			
TO CUT									0:00	0			
TOTALS NON-EFFECTIVE	MODIZIN	IC TIME							0:00	0			
TAKING ON FUI			•						0:00	0			
TO AND FROM	ANCHO	RAGE							0:00	0			
LOSS DUE TO 1									0:00	0			
MINOR OPERA	TING RE	PAIRS							0:00	0			
TRANSFERRING	G BETW	EEN WORKS	3						0:00	0			
LAY TIME									0:00	1440 0			
MISCELLANEO	US								0:00	0			
TOTALS LOST TIME									0:00	1440			
MAJOR REPAIR	RS AND A	ALTERATION	18						0:00				
CESSATION									0:00				
COLLISIONS TOTAL LOST TI	IME								0:00	0			
TOTAL TIME IN F		1	440						0.00	U			
AVERAGE SPEED	OF DRE	GE				MINUTES RADAR			0:00	1440			
LOADING			FEET / MIN	101F		TIDE DATA WAS	OBTAIN	ED BY MEANS OF GAGE: N	NOAA tide gauge at D	oa River	Bridge		
AGITATING						WEATHER:	Lt. & Va	r., Seas 1-2', Clea		og ravor	Dilago.		
GALS OF FUEL OF			0			EIEL B							
GALS OF WATER REMARKS:	CONSU	MED	0			FIELD							
	Mobiliza	tion of Dredç	ge Equipment,	No Dre	dging at	this time							
SUBMITTED BY:													

				BREA	KDOW	N OF L	OADS.	DREDO	SED AN	ND HA	ULED					F	ridav. Au	ıgust 25, 2017
		TIME	PUMP			MINI	JTES				CUBIC					MID-I	DEPTH	REPORT:
l .	Ω	111111	0.01				,,,,,			(In term	s of in _l	olace n			SAN	IPLES	2
LOAD No.	UNWATERED	STARTED	STOPPED	PUMPING	TURNING	ТО DUMP	DUMPING	TO CUT	TOTAL	SETTLED SOLIDS ***	SUSPENDED SOLIDS ***	BIN WATER SOLIDS	TOTAL **	PER PUMPING MINUTE	PER ELAPSED MINUTE	DENSITY GMS/LITER ***	% SOLIDS (IN PLACE) ***	
1 2 3 4		841 1347 1854	910 1416 1921	29 29 27		139 147 141	4 4 4	134 127 134	172 314 299 134				2635 2635 2635					
	_	A۷	/ERAGE															
										ОМІС	LOAD							
PUMP	ING	TIME (MINUTI	ES)	ECON	OMIC L	OAD (Cu . Y	′ds)		TEST	LOAD	No.		DATE	OF TEST	Γ	
REMA	RK	S									<u> </u>							

Mobilization Started dredging at 8:41

- WHEN LOAD IS DREDGED WITH HOPPERS UNWATERED, INDICATE BY LETTER "U"
- ** TOTAL CUBIC YARDS RETAINED = SETTLED SOLIDS + SUSPENDED SOLIDS BIN WATER SOLIDS OR DETERMINED DIRECTLY BY YARDAGE METER
- *** NOT NECESSARY WHEN MEASURING LOAD BY YARDAGE METER

			BREA	KDOW	N OF L	OADS	DREDO	SED AN	ID HA	JLED					Sa	turday, <i>A</i>	August 26, 2017
	TIME	PUMP			MINU	ITES					YARD				MID-I	DEPTH IPLES	REPORT:
٠. ٣		<u> </u>									s of in p	olace n					3
LOAD No. UNWATERED	STARTED	STOPPED	PUMPING	TURNING	TO DUMP	DUMPING	TO CUT	TOTAL	SETTLED SOLIDS ***	SUSPENDED SOLIDS ***	BIN WATER SOLIDS	TOTAL **	PER PUMPING MINUTE	PER ELAPSED MINUTE	DENSITY GMS/LITER ***	% SOLIDS (IN PLACE) ***	
4 5 6 7 8 9	514 100° 1503 2010	7 1033 3 1542 0 2036	26 34 26		145 135 141 139 144	4 4 4 4 4	7 128 123 130 125 56	186 298 294 307 299 56 0 0				2635 2635 2635 2635 2635					
	Δ	VERAGE						ECON	OMIC	LOAD	DATA						
PUMPING	3 TIME	(MINUT	ES)	ECON	OMIC L	OAD (Cu . Y		JIO		LOAD	No.		DATE	OF TEST	Γ	
REMARK		-	None														

^{*} WHEN LOAD IS DREDGED WITH HOPPERS UNWATERED, INDICATE BY LETTER "U"

^{**} TOTAL CUBIC YARDS RETAINED = SETTLED SOLIDS + SUSPENDED SOLIDS - BIN WATER SOLIDS OR DETERMINED DIRECTLY BY YARDAGE METER

^{***} NOT NECESSARY WHEN MEASURING LOAD BY YARDAGE METER

				BREA	KDOW	N OF L	OADS	DREDO	SED AN	ID HA	ULED					Sı	ınday, A	ugust 27, 2017
		TIME	PUMP			MINU	JTES			/		S YARD				MID-I	DEPTH IPLES	REPORT:
LOAD No.	UNWATERED	STARTED	STOPPED	PUMPING	TURNING	ТО БИМР	DUMPING	то спт	TOTAL	SETTLED SOLIDS ***	SUSPENDED SOLIDS ***	BIN WATER SOLIDS	TOTAL **	PER PUMPING MINUTE	PER ELAPSED MINUTE		% SOLIDS (IN PLACE)	
9 10 11 12 13 14		107 602 1118 1611 2101	136 631 1147 1644 2127	29 29 33 26		138 142 123 132 144	4 4 4 4 4	67 124 141 137 121 5	238 299 297 306 295 5 0 0				2635 2635 2635 2635 2635					
		AV	/ERAGE														-	
								0 .		ОМІС	LOAD		Ne	1	المحد	OF TECT	•	
PUMP	INC	STIME (MINUTI	ES)	ECON	OMIC L	OAD (Cu . Y	'ds)		TEST	LOAD	No.		DATÉ	OF TEST		
REMA	RK	S		None														

WHEN LOAD IS DREDGED WITH HOPPERS UNWATERED, INDICATE BY LETTER "U"

^{**} TOTAL CUBIC YARDS RETAINED = SETTLED SOLIDS + SUSPENDED SOLIDS - BIN WATER SOLIDS OR DETERMINED DIRECTLY BY YARDAGE METER

^{***} NOT NECESSARY WHEN MEASURING LOAD BY YARDAGE METER

				BREA	KDOW	N OF L	OADS	DREDG	ED AN	ID HA	JLED					Mo	onday, A	ugust 28, 2017
		TIME	PUMP			MINU	ITES					YARE				MID-I	DEPTH IPLES	REPORT:
ó	ζED							1		(s of in _l	oiace n		_			5
LOAD No.	UNWATERED	STARTED	STOPPED	PUMPING	TURNING	TO DUMP	DUMPING	TO CUT	TOTAL	SETTLED SOLIDS ***	SUSPENDED SOLIDS ***	BIN WATER SOLIDS	TOTAL **	PER PUMPING MINUTE	PER ELAPSED MINUTE	DENSITY GMS/LITER ***	% SOLIDS (IN PLACE) ***	
14 15 16 17 18		158 706 1441 1932	228 731 1511 1958	30 25 30 26		142 135 134 142	4 4 4 4	118 132 127 123 86	294 296 295 295 86 0				2635 2635 2635 2635					
		Δ\	'ERAGE															
										OMIC	LOAD							
PUMPI	ING	TIME (MINUTI	ES)	ECON	OMIC L	OAD (Cu . Y	'ds)		TEST	LOAD	No.		DATE	OF TEST	Г	
REMA	RK	s									<u> </u>				<u> </u>			

164 Min Minor Repairs

10 Min Traffic

NOTE: * WHEN LOAD IS DREDGED WITH HOPPERS UNWATERED, INDICATE BY LETTER "U"

^{**} TOTAL CUBIC YARDS RETAINED = SETTLED SOLIDS + SUSPENDED SOLIDS - BIN WATER SOLIDS OR DETERMINED DIRECTLY BY YARDAGE METER

^{***} NOT NECESSARY WHEN MEASURING LOAD BY YARDAGE METER

				BREA	KDOW	N OF L	OADS	DREDG	SED AN	ID HA	ULED					Tu	esday, A	August 29, 2017
		TIME	PUMP			MINU	JTES					YARD				MID-I	DEPTH	REPORT:
	ED									(In term	s of in p	olace n		_		IPLES	6
LOAD No.	UNWATERED	STARTED	STOPPED	PUMPING	TURNING	TO DUMP	DUMPING	TO CUT	TOTAL	SETTLED SOLIDS ***	SUSPENDED SOLIDS ***	BIN WATER SOLIDS	TOTAL **	PER PUMPING MINUTE	PER ELAPSED MINUTE	DENSITY GMS/LITER ***	% SOLIDS (IN PLACE) ***	
18 19 20 21 22		36 545 1049 1609	107 613 1146 1638	31 28 28 29		144 141 118 132	4 4 4 4	36 130 131 141 71	215 303 281 306 71 0				2635 2635 2635 2635					
		Δ\	'ERAGE															
		AV	LNAGE						ECON	OMIC	LOAD	DATA					<u> </u>	<u> </u>
PUMPI	ING	TIME (MINUT	ES)	ECON	OMIC L	OAD (Cu . Y				LOAD	No.		DATE	OF TEST		
REMA	RK	S			<u> </u>													

29 Min loading stores235 Min Weather

- * WHEN LOAD IS DREDGED WITH HOPPERS UNWATERED, INDICATE BY LETTER "U"
- ** TOTAL CUBIC YARDS RETAINED = SETTLED SOLIDS + SUSPENDED SOLIDS BIN WATER SOLIDS OR DETERMINED DIRECTLY BY YARDAGE METER
- *** NOT NECESSARY WHEN MEASURING LOAD BY YARDAGE METER

				BREA	KDOW	N OF L	OADS	DREDO	SED AN									August 30, 2017
		TIME	PUMP			MINU	JTES				CUBIC n terms						DEPTH PLES	REPORT: 7
LOAD No.	UNWATERED	STARTED	STOPPED	PUMPING	TURNING	TO DUMP	DUMPING	то сит	TOTAL	SETTLED ***		BIN WATER SOLIDS	TOTAL **	PER PUMPING MINUTE	PER ELAPSED MINUTE		% SOLIDS (IN PLACE)	,
222		None												<u>a.</u>	d	5		
		A\	VERAGE															
								-	ECON	ОМІС			NI-		D475	OF TEST		
PUMP	ING	TIME (MINUT	ES)	ECON	OMIC L	OAD (Cu . Y	'as)		1521	LOAD	INO.		DATE	OF TEST		
REMA	RK	s		1440 N	/lin Wea	ather												
NOTE	:		V V I I I I V	CUBIC LY BY	YARDS YARDA	RETA	NED = TER	SETTL	ED SOI	LIDS +	SUSP	ENDED				ER SOLI	DS OR DE	TERMINED

				BREA	KDOW	N OF L	OADS	DREDO	GED AN	ID HAI	JLED					Thu	ırsday, <i>A</i>	August 31, 2017
		TIME	PUMP			MINU	JTES							TAINED			DEPTH	REPORT:
	۵									(1	In term	s of in p	olace n	naterial			PLES	8
LOAD No.	UNWATERED	STARTED	STOPPED	PUMPING	TURNING	TO DUMP	DUMPING	то сит	TOTAL	SETTLED SOLIDS ***	SUSPENDED SOLIDS ***	BIN WATER SOLIDS	TOTAL **	PER PUMPING MINUTE	PER ELAPSED MINUTE	DENSITY GMS/LITER ***	% SOLIDS (IN PLACE) ***	
22		None																
		A۱	/ERAGE															
									ECON									
		TIME (MINUT	ES)	ECON	OMIC L	OAD (Cu . Y	′ds)		TEST	LOAD	No.		DATE	OF TEST		
REMA	RK	S		1440 N	∕lin Wea	ıther												
NOTE:		*	WHEN		S DDEI	CEDI		ODDEE	VINITO	/ATED	ED IN	DICATI	E BV I	CTTCC	" "			

** TOTAL CUBIC YARDS RETAINED = SETTLED SOLIDS + SUSPENDED SOLIDS - BIN WATER SOLIDS OR DETERMINED

DIRECTLY BY YARDAGE METER

*** NOT NECESSARY WHEN MEASURING LOAD BY YARDAGE METER

				BREA	KDOW	N OF L	OADS	DREDO	SED AN	ID HA	JLED					Fri	day, Ser	otember 1, 2017
		TIME	PUMP			MINU	ITES					YARE				MID-I	DEPTH	REPORT:
ė	ED											s of in _l					IPLES	9
LOAD No.	UNWATERED	STARTED	STOPPED	PUMPING	TURNING	TO DUMP	DUMPING	TO CUT	TOTAL	SETTLED SOLIDS ***	SUSPENDED SOLIDS ***	BIN WATER SOLIDS	TOTAL **	PER PUMPING MINUTE	PER ELAPSED MINUTE	DENSITY GMS/LITER ***	% SOLIDS (IN PLACE) ***	
22 23 24 25		813 1306 1745 2223	839 1337 1811 2252	26 31 26 29		121 120 126 68	4 4 4	68 126 124 122	219 281 280 219 0 0				2635 2635 2635					
			EDAGE															
		AV	ERAGE						ECON	OMIC	LOAD	DATA	<u> </u>				<u>I</u>	
PUMP	INC	TIME (MINUT	ES)	ECON	OMIC L	OAD (Cu . Y				LOAD	No.		DATE	OF TEST	Γ	
REMA	RK	S		425 Mii	n Weat	her												

425 Min Weather 16 Min Traffic

- * WHEN LOAD IS DREDGED WITH HOPPERS UNWATERED, INDICATE BY LETTER "U"
- ** TOTAL CUBIC YARDS RETAINED = SETTLED SOLIDS + SUSPENDED SOLIDS BIN WATER SOLIDS OR DETERMINED DIRECTLY BY YARDAGE METER
- *** NOT NECESSARY WHEN MEASURING LOAD BY YARDAGE METER

				BREA	KDOW	N OF L	OADS	DREDO	SED AN	ND HA	ULED					Satu	ırday, Se	eptember 2, 2017
		TIME	PUMP			MINU	JTES					S YARD					DEPTH IPLES	REPORT: 10
LOAD No.	UNWATERED	STARTED	STOPPED	PUMPING	TURNING	TO DUMP	DUMPING	TO CUT	TOTAL	SETTLED SOLIDS ***	SUSPENDED SOLIDS ***	BIN WATER SOLIDS	TOTAL **	PER PUMPING MINUTE	PER ELAPSED MINUTE		% SOLIDS (IN PLACE) ***	
25 26 27 28 29 30		250 729 1205 1651 2131	324 757 1237 1721 2200	28 28 32 30 29	9	52 123 127 123 122 120	4 4 4	114 118 117 127 124	56 275 277 276 283 273 0				2635 2635 2635 2635 2635					
	_	AV	ERAGE						E6 671									
PUMP	ING	G TIME (MINUTI	ES)	ECON	OMIC L	OAD (Cu . Y			TEST	LOAD	No.		DATE	OF TEST	Γ	
REMA	RK	S									<u> </u>				<u> </u>			

NOTE: * WHEN LOAD IS DREDGED WITH HOPPERS UNWATERED, INDICATE BY LETTER "U"

^{**} TOTAL CUBIC YARDS RETAINED = SETTLED SOLIDS + SUSPENDED SOLIDS - BIN WATER SOLIDS OR DETERMINED DIRECTLY BY YARDAGE METER

^{***} NOT NECESSARY WHEN MEASURING LOAD BY YARDAGE METER

				BREA	KDOW	N OF L	OADS	DREDO	SED AN	ID HAI	JLED					Sur	nday, Se	ptember 3, 2017
		TIME F	PUMP			MINU	ITES					YARD				MID-I	DEPTH	REPORT:
ارا	╗╏	· · · · · ·	•							(In term	s of in p	place n	_			IPLES	11
LOAD No.	UNWATERED	STARTED	STOPPED	PUMPING	TURNING	TO DUMP	DUMPING	TO CUT	TOTAL	SOLIDS ***	SUSPENDED SOLIDS ***	BIN WATER SOLIDS	TOTAL **	PER PUMPING MINUTE	PER ELAPSED MINUTE	DENSITY GMS/LITER ***	% SOLIDS (IN PLACE) ***	
30 31 32 33 34 35		159 650 1138 1633 2101	230 721 1207 1703 2134	31 31 29 30 27	9	1 133 117 122 122 123	4 4 21 4 4 4	114 123 119 132 112 19	5 282 292 274 288 272 19				2635 2635 2635 2635 2635 2635					
		Δ\/	ERAGE														-	
		AV	LNAGE						ECON	OMIC	LOAD	DATA						
PUMPII	NG	TIME (/	MINUTI	ES)	ECON	OMIC L	OAD (Cu . Y				LOAD	No.		DATE	OF TEST	Γ	
REMAR	RKS	6		8 minT	raffic										-			

^{*} WHEN LOAD IS DREDGED WITH HOPPERS UNWATERED, INDICATE BY LETTER "U"

^{**} TOTAL CUBIC YARDS RETAINED = SETTLED SOLIDS + SUSPENDED SOLIDS - BIN WATER SOLIDS OR DETERMINED DIRECTLY BY YARDAGE METER

^{***} NOT NECESSARY WHEN MEASURING LOAD BY YARDAGE METER

				BREA	KDOW	N OF L	OADS	DREDO	SED AN	ID HAI	JLED					Mor	nday, Se	ptember 4, 2017
		TIME F	PUMP			MINU	ITES						OS RE1 blace n				DEPTH IPLES	REPORT: 12
LOAD No.	UNWATERED	STARTED	STOPPED	PUMPING	TURNING	TO DUMP	DUMPING	TO CUT	TOTAL	SETTLED SOLIDS ***	SUSPENDED SOLIDS ***	BIN WATER SOLIDS	TOTAL **	PER PUMPING MINUTE	PER ELAPSED MINUTE		% SOLIDS (IN PLACE) ***	
36 37 38 39 40 41		133 611 1134 1606 2045	201 638 1202 1637 2111	28 27 28 31 26		134 130 121 119 116	4 32 4 4 4	93 112 94 119 125 49	259 301 247 273 271 49 0				2635 2635 2635 2635 2635					
Ш			ED 4 0 E															
		AV	ERAGE						ECON	OMIC	LOAD	DATA						
PUMPI	NG	TIME (/	MINUTI	ES)	ECON	OMIC L	OAD (Cu . Y	'ds)		TEST	LOAD	No.		DATE	OF TEST	Γ	
REMA	RK	S		40 Min	Minor	Renairs									I			

40 Min Minor Repairs

^{*} WHEN LOAD IS DREDGED WITH HOPPERS UNWATERED, INDICATE BY LETTER "U"

^{**} TOTAL CUBIC YARDS RETAINED = SETTLED SOLIDS + SUSPENDED SOLIDS - BIN WATER SOLIDS OR DETERMINED DIRECTLY BY YARDAGE METER

^{***} NOT NECESSARY WHEN MEASURING LOAD BY YARDAGE METER

		ental of Hoppe W912		and Atte -0092	PER DREDGES endant Plant			REPO ENGCW-0-13		NTROL S REF	YMBOL PORT:	13
DISTRICT		U.S. ARMY CO	DE, MOB	ILE DISTF	RICT			DREDGE	M/VC	OLUMBIA	4	
EXACT LOCATION Mobile Ha	OF WORK rbor Ship Channel, Mol	bile AL					MAINTENANCE	DATE			eptember 5,	2017
	Dredge Area Sta 1100+00 to 1					コ	NEW WORK	NUMBER OF PERSO	NS IN CF	REW	13	
AV LENGTH OF CU		FT	DENIOIT		CHARACTER OF			HOPPER CAPACITY			4387	CU YDS
AV WIDTH OF CUT AV DIST TO DUMP		FT Sta. MILE		Y OF MAT Y OF WAT		1.045 1.006	gms/liter gms/liter	AV VOL OF BIN WAT AV UNFILLED CAPAC			0	CU YDS CU YDS
NAVIGATION AND		DAR, DIGITAL	GYRO C		, ,		RENTIAL GPS, DI	SPLAYED WITH HYPA	ACK			
	V DREDGING AND HAUI	VORK PERFOR	RMED		AGITATING		DRAFT FOR LOAI	D NO	LIG	HT	AVG	DED
NO OF LOADS	TOT CU YDS	DISPOSAL	AREA		TOT CU YDS		FORWARD	-		3		6
4 Previous Total	10,540	Mobile 102	CW	Today:	0		AFT DRAG DEPTH		1	0	1	6
40	105,400	Mobile 102	2-300	Prev:	0		INDICATORS LAS	ST CHECKED ON			8/4/2017	
44	115,940			To Date:			GAS INJECTORS	USED				
				A	DISTRIBUT GITATING	ION OF TIN		SING AND HAULING			MILES RU	N
					(Minutes)		5.125	(Minutes)			(Stat. Miles	
EFFECTIVE WORK PUMPING	(ING TIME							2:00	120			
TURNING								0:08	8			
TO DUMP DUMPING								7:57 0:16	477 16			
TO CUT								6:44	404			
TOTALS NON-EFFECTIVE \	MODKING TIME							17:05	1025			
	L AND SUPPLIES							0:00	0			
TO AND FROM								0:00	0			
	IATURAL ELEMENTS RAFFIC AND BRIDGE	S						0:00 0:10	0 10			
MINOR OPERAT								0:00	405			
LAY TIME	BETWEEN WORKS							0:00 0:00	0			
. MICOELL ANEOL	10							0:00	0			
MISCELLANEOU TOTALS	JS							0:00 6:55	415			
LOST TIME								•	-110			
MAJOR REPAIR CESSATION	S AND ALTERATIONS							0:00 0:00				
COLLISIONS								0:00				
TOTAL LOST TI		440						0:00	0			
AVERAGE SPEED		440			MINUTES RADA	R IN USE		0:00	1440			
LOADING		FEET / MIN 220	NUTE					NOAA tide gauge at D	og River	Bridge.		
AGITATING GALS OF FUEL OII	CONSTIMED	3373			WEATHER:	SW 5-10	knots, Waves 2 ft					
GALS OF WATER		896			FIELD							
REMARKS:												
	10 min Traffic 405 min Minor Repairs	,										
	400 mm willor Nepalls	•										
SUBMITTED BY:												

				BREA	KDOW	N OF L	OADS	DREDO	SED AN	ND HA	JLED					Wedr	nesdav. S	September 6, 2017
		TIME	PUMP			MINU	JTES				CUBIC					MID-I	DEPTH	REPORT:
										(In term	s of in _l	olace n				IPLES	14
LOAD No.	UNWATERED	STARTED	STOPPED	PUMPING	TURNING	TO DUMP	DUMPING	TO CUT	TOTAL	SETTLED SOLIDS ***	SUSPENDED SOLIDS ***	BIN WATER SOLIDS	TOTAL **	PER PUMPING MINUTE	PER ELAPSED MINUTE	DENSITY GMS/LITER ***	% SOLIDS (IN PLACE) ***	
45 46 47 48 49		129 604 1032 1514 2132	203 632 1100 1546 2205	28 28 28 32 33		124 127 127 115 113	4 4 4	62 113 109 123 115	218 272 268 274 263 0			include		morrow	/s Repo	ort		
	_	AV	'ERAGE															
							1	'		OMIC	LOAD							
PUMP	INC	TIME (MINUT	ES)	ECON	OMIC L	OAD (Cu . Y	′ds)		TEST	LOAD	No.		DATE	OF TEST	Γ	
REMA	RK	S																

112 min Other Crew Change 33 min Minor Repairs

- WHEN LOAD IS DREDGED WITH HOPPERS UNWATERED, INDICATE BY LETTER "U"
- ** TOTAL CUBIC YARDS RETAINED = SETTLED SOLIDS + SUSPENDED SOLIDS BIN WATER SOLIDS OR DETERMINED DIRECTLY BY YARDAGE METER
- *** NOT NECESSARY WHEN MEASURING LOAD BY YARDAGE METER

		ental of Hoppe W912		and Atte -0092	PER DREDGES Indant Plant			REPO ENGCW-0-13		NTROL S REI	YMBOL PORT:	15
DISTRICT		U.S. ARMY C	DE, MOB	ILE DISTF	RICT			DREDGE	M / V C	OLUMBIA	A.	
EXACT LOCATION Mobile Ha	OF WORK orbor Ship Channel, Mol	bile AL					MAINTENANCE	DATE	Thu	ırsday, S	eptember 7	, 2017
	Dredge Area Sta 1100+00 to 1						NEW WORK	NUMBER OF PERSO	NS IN CF	REW	13	
AV LENGTH OF CU		FT	DENIOIT		CHARACTER OF			HOPPER CAPACITY			4387	CU YDS
AV WIDTH OF CUT AV DIST TO DUMP		FT Sta. MILE		Y OF MAT Y OF WAT		1.045 1.006	gms/liter gms/liter	AV VOL OF BIN WAT			0	CU YDS
NAVIGATION AND		DAR, DIGITAL	GYRO C		, ,		RENTIAL GPS, DI	SPLAYED WITH HYPA	ACK			
	V DREDGING AND HAUI	VORK PERFOI	RMED		AGITATING		DRAFT FOR LOAI	D NO	LIG	HT	AVG	DED
NO OF LOADS	TOT CU YDS	DISPOSAL	AREA		TOT CU YDS		FORWARD			3		6
6	15,810	M - L 11 - 400	014/	Today:	0		AFT		1	0	1	6
Previous Total 48	126,480	Mobile 102	2-577	Prev:	0		DRAG DEPTH INDICATORS LAS	T CHECKED ON			8/4/2017	
54	142,290			To Date:	0		GAS INJECTORS					
				Λ	DISTRIBUTI GITATING	ON OF TIM		SING AND HAULING		1	MILES RU	NI
					(Minutes)		DREDG	(Minutes)			(Stat. Miles	
EFFECTIVE WORK PUMPING	KING TIME							2:32	152			
TURNING								0:00	0			
TO DUMP DUMPING								11:10	670			
TO CUT								0:22 9:46	22 586			
TOTALS								23:50	1430			
NON-EFFECTIVE \ TAKING ON FUE	WORKING TIME EL AND SUPPLIES							0:00	0			
TO AND FROM A	ANCHORAGE							0:00	0			
	IATURAL ELEMENTS RAFFIC AND BRIDGE	\$						0:00 0:10	0 10			
MINOR OPERAT	TING REPAIRS	O						0:00	0			
TRANSFERRING LAY TIME	BETWEEN WORKS							0:00 0:00	0			
LAT HIVE								0:00	0			
MISCELLANEOU	JS							0:00	0			
TOTALS LOST TIME								0:10	10			
	S AND ALTERATIONS							0:00				
CESSATION								0:00				
COLLISIONS TOTAL LOST TI	ME							0:00	0			
TOTAL TIME IN F	PERIOD 1	440						•				
AVERAGE SPEED LOADING	OF DREGE	FEET / MII 220	NUTE		MINUTES RADA TIDE DATA WAS		D BY MEANS OF	0:00 NOAA tide gauge at D	1440 og River	Bridge		
AGITATING		220			WEATHER:	NW 20-2	5 knots, Waves Cl			z.iago.		
GALS OF FUEL OIL GALS OF WATER		3012			בובו ה							
REMARKS:	CONSOMED	1008			FIELD							
	10 min Traffic											
SUBMITTED BY:												

		ental of Hoppe W912		and Atte -0092	PER DREDGES Indant Plant			REPO ENGCW-0-13		NTROL S REF	YMBOL PORT:	16
DISTRICT		U.S. ARMY CO			RICT			DREDGE	M/VC	OLUMBIA	A	
EXACT LOCATION Mobile Ha	I OF WORK arbor Ship Channel, Mol	oile AL					MAINTENANCE	DATE			ptember 8,	2017
	Dredge Area Sta 1100+00 to 1						NEW WORK	NUMBER OF PERSO	NS IN CF	REW	13	
AV LENGTH OF CU		FT	DENOIT		CHARACTER OF			HOPPER CAPACITY			4387	CU YDS
AV WIDTH OF CUT AV DIST TO DUMP		FT Sta. MILE		Y OF MAT Y OF WAT		1.045 1.006	gms/liter gms/liter	AV VOL OF BIN WAT			0	CU YDS
NAVIGATION AND		DAR, DIGITAL	GYRO C				RENTIAL GPS, DI	SPLAYED WITH HYPA	ACK			
	V DREDGING AND HAU	VORK PERFOR	RMED		AGITATING		DRAFT FOR LOAI	D NO	LIG	HT	AVG	DED
NO OF LOADS	TOT CU YDS	DISPOSAL	AREA		TOT CU YDS		FORWARD			3		6
5 Previous Total	13,175	Mobile 102	CW	Today:	0		AFT DRAG DEPTH		1	0	1	6
54	142,290	Mobile 102	2-344	Prev:	0		INDICATORS LAS	T CHECKED ON			8/4/2017	
59	155,465			To Date:	0		GAS INJECTORS	USED				
				A	DISTRIBUT GITATING	ION OF TIN		SING AND HAULING			MILES RU	N
EEEEOTIVE MODI	(INIC TIME				(Minutes)			(Minutes)			(Stat. Mile:	
EFFECTIVE WORK PUMPING	NING TIME							2:42	162			
TURNING TO DUMP								0:05 9:56	5 596			
DUMPING								0:20	20			
TO CUT								10:57	657			
TOTALS NON-EFFECTIVE \	WORKING TIME							0:00	1440			
TAKING ON FUE	L AND SUPPLIES							0:00	0			
TO AND FROM A	ANCHORAGE NATURAL ELEMENTS							0:00 0:00	0			
LOSS DUE TO T	RAFFIC AND BRIDGE	S						0:00	0			
MINOR OPERAT	TING REPAIRS BETWEEN WORKS							0:00	0			
LAY TIME								0:00	0			
MISCELLANEOU	JS							0:00 0:00	0			
TOTALS								0:00	0			
LOST TIME	S AND ALTERATIONS							0:00				
CESSATION	S AND ALTENATIONS							0:00				
COLLISIONS TOTAL LOST TI	ME							0:00	0			
TOTAL TIME IN F		440						0:00	U			
AVERAGE SPEED	OF DREGE	FEET / MIN	NUTE		MINUTES RADA TIDE DATA WA		D BY MEANS OF	0:00	1440	Daidas		
LOADING AGITATING		220			WEATHER:	NE 15-20	knots, Waves Ch	NOAA tide gauge at D	log River	ышge.		
GALS OF FUEL OI		4730										
GALS OF WATER (REMARKS:	CONSUMED	470			FIELD							
SUBMITTED BY:												

		ental of Hoppe W912		and Atte -0092	PER DREDGES Indant Plant			REPO ENGCW-0-13		NTROL S REI	SYMBOL PORT:	17
DISTRICT		U.S. ARMY CO	DE, MOB	ILE DISTF	RICT			DREDGE	M/VC	OLUMBI	Α.	
EXACT LOCATION Mobile Ha	OF WORK rbor Ship Channel, Mol	bile AL					MAINTENANCE	DATE			eptember 9	, 2017
	Dredge Area Sta 1100+00 to 1					J	NEW WORK	NUMBER OF PERSO	NS IN CF	REW	13	
AV LENGTH OF CU		FT	DENOIT		CHARACTER OF			HOPPER CAPACITY AV VOL OF BIN WAT			4387	CU YDS
AV WIDTH OF CUT AV DIST TO DUMP	22.5	Sta. MILE	DENSIT'		ER	1.045 1.006	gms/liter gms/liter	AV UNFILLED CAPAC			0	CU YDS CU YDS
NAVIGATION AND		DAR, DIGITAL	GYRO C		, ,		RENTIAL GPS, DI	SPLAYED WITH HYPA	ACK			
	V DREDGING AND HAUI	VORK PERFOI	RMED		AGITATING		DRAFT FOR LOAI	D NO	LIG	HT	AVG	ADED
NO OF LOADS	TOT CU YDS	DISPOSAL	AREA		TOT CU YDS		FORWARD	-		3		16
2 Drawiewa Tetal	5,270	Mahila 400	CW	Today:	0		AFT DEAC DEPTH		1	0	1	16
Previous Total 59	155,465	Mobile 102	2-5VV	Prev:	0		DRAG DEPTH INDICATORS LAS	T CHECKED ON			8/4/2017	
61	160,735			To Date:	0		GAS INJECTORS					
				Λ	DISTRIBUT GITATING	ION OF TIM		SING AND HAULING			MILES RU	INI
					(Minutes)		DREDG	(Minutes)			(Stat. Mile.	
EFFECTIVE WORK PUMPING	(ING TIME							0:38	38			
TURNING								0:00	0			
TO DUMP DUMPING								3:55 0:08	235			
TO CUT								4:00	240			
TOTALS								8:41	521			
NON-EFFECTIVE V	WORKING TIME EL AND SUPPLIES							3:49	229			
TO AND FROM A	ANCHORAGE							1:00	60			
	IATURAL ELEMENTS RAFFIC AND BRIDGE	S						0:00 0:00	0			
MINOR OPERAT	ING REPAIRS	0						0:00	630			
TRANSFERRING LAY TIME	BETWEEN WORKS							0:00 0:00	0			
								0:00	0			
MISCELLANEOU	JS							0:00	0			
TOTALS LOST TIME								15:19	919			
MAJOR REPAIR	S AND ALTERATIONS							0:00				
CESSATION COLLISIONS								0:00 0:00				
TOTAL LOST TIM								0:00	0			
TOTAL TIME IN F		440			MINILITE BADA	DINILICE		0:00	1440			
AVERAGE SPEED LOADING	OF DREGE	FEET / MII 220	NUTE		MINUTES RADA TIDE DATA WA		D BY MEANS OF GAGE:	NOAA tide gauge at D		Bridge.		
AGITATING					WEATHER:	NE 15-20	knots, Waves Ch	орру				
GALS OF FUEL OII GALS OF WATER (908 470			FIELD							
REMARKS:	OOIYOOMED	410			I ILLD							
2	60 min to fuel dock 229 min taking on fuel 630 min Minor Repairs		ies									
SUBMITTED BY:												

			ental of Hopp W91		and Atte	PER DREDGES Indant Plant			REPOI ENGCW-0-13	RTS CON	TROL SYM REPOR		18
DISTRICT									DREDGE				
			U.S. ARMY C	OE, MOB	ILE DISTE	RICT				M / V CO	LUMBIA		
XACT LOCATION									DATE				
Mobile Ha	arbor Ship C						М	IAINTENANCE			day, Septe	mber 10	, 2017
		Dredge Area 160+00 to 1					N	IEW WORK	NUMBER OF PERSOI	NS IN CR	EVV	13	
AV LENGTH OF C		6000	FT			CHARACTER OF MAT			HOPPER CAPACITY			4387	CU YDS
AV WIDTH OF CU		400 21.4	FT Sta. MILE		OF MAT		1.045	gms/liter gms/liter	AV VOL OF BIN WATE AV UNFILLED CAPAC			0	CU YDS
						nent on adequacy and r			JAV UNFILLED CAFAC	111		- 0	COTDS
		RAI	DAR, DIGITAI	GYRO C	OMPASS	INTERFACED WITH I	DIFFERI	ENTIAL GPS, DI	SPLAYED WITH HYPA	CK			
			ORK PERFO	RMED			D	RAFT FOR LOA	D NO			AVG	
NO OF LOADS	DREDGING TOT C		ING DISPOSAI	ADE A	1	AGITATING TOT CU YDS		ORWARD	<u> </u>	LIGH 8			DED 6
1	2,6		DISPUSAL	ANEA	Today:	0		FT		10			6
Previous Total			Mobile 10	2-SW			D	RAG DEPTH					
61	160,				Prev:	0			ST CHECKED ON		8	3/4/2017	
62	163,	370			To Date:	DISTRIBUTION O		AS INJECTORS	USED				
					Α	GITATING	01 111111		SING AND HAULING		M	ILES RU	N
EEEOTINIE WOOD	(I) IO TIME					(Minutes)			(Minutes)		(5	Stat. Miles	s)
FFECTIVE WORK PUMPING	KING TIME								0:27	27			
TURNING									0:00	0			
TO DUMP									2:06	126			
DUMPING TO CUT									0:04 0:57	4 57			
TOTALS									3:34	214			
ON-EFFECTIVE TAKING ON FU									0:00	0			
TO AND FROM									1:17	77			
LOSS DUE TO N	NATURAL E	LEMENTS							0:00	0			
LOSS DUE TO 1	RAFFIC AN	ID BRIDGE:	S						0:00 0:00	1080			
TRANSFERRING									0:00	0			
LAY TIME									0:00	0			
MISCELLANEOU	IS								0:00 1:09	0 69			
TOTALS	30								20:26	1226			
OST TIME		EDATIONS							2.00				
MAJOR REPAIR CESSATION	S AND ALT	ERATIONS							0:00				
COLLISIONS									0:00				
TOTAL LOST TI			140						0:00	0			
TOTAL TIME IN INVERAGE SPEED			140	<u> </u>		MINUTES RADAR IN	USE		0:00	1440			
			FEET / M			TIDE DATA WAS OB							
OADING GITATING			220)		WEATHER: NE	15.20 1	GAGE: nots, Waves Ch	NOAA tide gauge at D	og River I	Bridge.		
GHATING BALS OF FUEL OI	L CONSUM	ED	789)		WEATHER. NE	_ 10-20 K	andis, waves Cr	торру				
SALS OF WATER			561			FIELD							
	77 min to fu 69 min Min 1080 min M	or Repairs	's										
SUBMITTED BY:													

					ER DREDGES				RTS COI	NTROL S	YMBOL PORT:	40
	IDIQ R	ental of Hoppe W91	er Dreage 278-17-D		ndant Plant			ENGCW-0-13		KER	ORT:	19
		Task	Order 00	01								
DISTRICT		U.S. ARMY C	OF MOR	II E DISTE	RICT			DREDGE	M / V C	OLUMBI <i>A</i>	Δ	
		0.0.7114011 0	OL, MOL	ILL DIOTI						o LOMBIA	`	
EXACT LOCATION	l OF WORK arbor Ship Channel, Mo	hilo Al					MAINTENANCE	DATE	Мо	nday Sa	ptember 11	2017
WODIIE FI	Dredge Are						WAINTENANCE	NUMBER OF PERSO			pterriber i i	, 2017
	Sta 1160+00 to						NEW WORK				13	
AV LENGTH OF C	UT 6000	FT			CHARACTER OF M	IATERIAI	_	HOPPER CAPACITY			4387	CU YDS
AV WIDTH OF CU	Г 400	FT		Y OF MAT	ERIAL	1.045	gms/liter	AV VOL OF BIN WATI			0	CU YDS
AV DIST TO DUMP NAVIGATION AND	21.4 OTHER DREDGING A	Sta. MILE				1.006	gms/liter mendations.)	AV UNFILLED CAPAC	HY		0	CU YDS
		`			. ,		,	ICDI AVED MITH HVD	CI/			
	KA	DAR, DIGITAL	GYROC	OMPASS	INTERFACED WIT	H DIFFE	RENTIAL GPS, DI	SPLAYED WITH HYPA	CK			
		VORK PERFO	RMED				DRAFT FOR LOA	D NO			AVG	
NO OF LOADS	DREDGING AND HAU TOT CU YDS	LING DISPOSAL	ΔRFΔ	I	AGITATING TOT CU YDS		FORWARD	-	LIG	<u> </u>		DED 6
2	5,270	DIOI COAL	AILLA	Today:	0		AFT			0		6
Previous Total 62	402.270	Mobile 10	2-SW	Descri	0		DRAG DEPTH INDICATORS LAS	OT CLIECKED ON			8/4/2017	
64	163,370 168.640			Prev: To Date:	0		GAS INJECTORS				8/4/2017	
	,				DISTRIBUTIO	N OF TIM						
					.GITATING (Minutes)		DREDO	GING AND HAULING (Minutes)			MILES RU (Stat. Miles	
EFFECTIVE WORK	KING TIME				,							-/
PUMPING TURNING								1:30 0:10	90 10			
TO DUMP								5:03	303			
DUMPING TO CUT							0:08 5:50	8 350				
TOTALS								12:41	761			
NON-EFFECTIVE '	WORKING TIME EL AND SUPPLIES	-						0:00	0			
TO AND FROM	ANCHORAGE							0:00	0			
	NATURAL ELEMENTS TRAFFIC AND BRIDGE	S						9:49 0:49	589 49			
MINOR OPERA	TING REPAIRS							0:00	0			
LAY TIME	3 BETWEEN WORKS							0:00	0			
								0:00	0			
MISCELLANEOU TOTALS	JS							0:41 11:19	41 679			
LOST TIME									0.0			
MAJOR REPAIR CESSATION	S AND ALTERATIONS	<u> </u>						0:00				
COLLISIONS								0:00				
TOTAL LOST TI		440						0:00	0			
AVERAGE SPEED					MINUTES RADAR			0:00	1440			
LOADING		FEET / MI 220	NUIE		TIDE DATA WAS	OBTAINE		NOAA tide gauge at D	oa River	Bridge.		
AGITATING					WEATHER:	NE 25-30	knots, Waves 5-7		09 1 11701	z.i.ago.		
GALS OF FUEL OI GALS OF WATER		2028 748			FIELD							
REMARKS:	CONSOMED	740			FIELD			<u> </u>				
	49 Minutes Traffic											
	41 Minutes Other											
	589 Minutes Weather											
SUBMITTED BY:												

MAINTENANCE
MAINTENANCE
NEW WORK
NEW WORK
NEW WORK
1.045 gms/liter AV VOL OF BIN WATER 0 Cl
1.006 gms/liter AV UNFILLED CAPACITY 0 Clared recommendations.) TH DIFFERENTIAL GPS, DISPLAYED WITH HYPACK
DRAFT FOR LOAD NO
DRAFT FOR LOAD NO
LIGHT LOADE FORWARD
FORWARD
AFT
DRAG DEPTH INDICATORS LAST CHECKED ON 8/4/2017 GAS INJECTORS USED ON OF TIME DREDGING AND HAULING MILES RUN
GAS INJECTORS USED ON OF TIME DREDGING AND HAULING MILES RUN
ON OF TIME DREDGING AND HAULING MILES RUN
DREDGING AND HAULING MILES RUN
()
0.00
0:29 29 0:00 0
2:36 156
0:08 8
2:50 170 6:03 363
0.03
0:00 0
0:00 0 7:30 450
7:30 450 0:00 0
0:00 627
0:00 0 0:00 0
0:00 0 0:00 0
0:00 0
17:57 1077
0:00
0:00
0:00
0:00 0
R IN USE 0:00 1440
OBTAINED BY MEANS OF
GAGE: NOAA tide gauge at Dog River Bridge.
SW 15-20 knots, Waves choppy

		ental of Hoppe W91		e and Atte -0092	PER DREDGES endant Plant			REPO ENGCW-0-13		NTROL S REF	YMBOL PORT:	21
DISTRICT		Task	order ou	V I				DREDGE				
		U.S. ARMY C	OE, MOB	ILE DISTE	RICT				M/VC	OLUMBIA	A	
EXACT LOCATION								DATE				
Mobile Ha	arbor Ship Channel, Mo						MAINTENANCE	NUMBER OF REPOR			September	13, 2017
	Dredge Are Sta 1160+00 to						NEW WORK	NUMBER OF PERSO	NS IN CF	KEVV	13	
AV LENGTH OF C	UT 6000	FT		(L CHARACTER OF MA	TERIA	L	HOPPER CAPACITY			4387	CU YDS
AV WIDTH OF CU		FT		Y OF MAT		1.045	gms/liter	AV VOL OF BIN WAT			0	CU YDS
AV DIST TO DUMF NAVIGATION AND	21.4 OTHER DREDGING A	Sta. MILE				1.006 recom	gms/liter mendations.)	AV UNFILLED CAPAC	JII Y		0	CU YDS
				OMPASS	INTERFACED WITH	DIFFE		SPLAYED WITH HYPA	ACK			
		WORK PERFO	RMED		ACITATINIO		DRAFT FOR LOA	D NO	110	U.T.	AVG	DED
NO OF LOADS	DREDGING AND HAU TOT CU YDS	DISPOSAL	ARFA	I	AGITATING TOT CU YDS		FORWARD	-	LIG 8			ADED 16
3	7,905			Today:	0		AFT		1			16
Previous Total	1=0.010	Mobile 10	2-SW				DRAG DEPTH	T OUEQUED ON			0/4/0047	
66 69	173,910 181,815			Prev: To Date:	0		INDICATORS LAS				8/4/2017	
09	101,015	l		TO Date.	DISTRIBUTION	OF TI		USED				
					GITATING		DREDO	SING AND HAULING			MILES RU	
EFFECTIVE WORK	KING TIME				(Minutes)			(Minutes)			(Stat. Mile	s)
PUMPING	KIITO TIME							1:42	102			
TURNING TO DUMP							0:11 7:12	11 432				
DUMPING							0:12	12				
TO CUT								5:10	310			
TOTALS NON-EFFECTIVE	WORKING TIME							14:27	867			
	EL AND SUPPLIES	-						0:00	0			
TO AND FROM	ANCHORAGE							0:00	0			
	NATURAL ELEMENTS FRAFFIC AND BRIDGE	S						0:00 0:10	0 10			
MINOR OPERA	TING REPAIRS	.0						0:00	532			
TRANSFERRING LAY TIME	G BETWEEN WORKS							0:00 0:00	0			
LAT HIVIE								0:00	0			
MISCELLANEOU	JS							0:31	31			
TOTALS LOST TIME								9:33	573			
	S AND ALTERATIONS	;						0:00				
CESSATION								0:00				
COLLISIONS TOTAL LOST TI	ME							0:00	0			
TOTAL TIME IN I	PERIOD 1	440						•				
AVERAGE SPEED	OF DREGE	FEET / MI	MI ITE		MINUTES RADAR IN TIDE DATA WAS OF		ED BY MEANS OF	0:00	1440			
LOADING		220	NOTE		TIDE DATA WAS OF	DIAIN		NOAA tide gauge at D	og River	Bridge.		
AGITATING					WEATHER: SI	N 10-1	5 knots, Waves ch					
GALS OF FUEL OI GALS OF WATER		1209			FIELD							
REMARKS:	CONSUMED	935			LIELD							
	532 Minutes Repairs 10 Minutes Traffic 31 Minutes Crew boat											
SUBMITTED BY:												

		ental of Hoppe W912		and Atte	PER DREDGES endant Plant			REPOI ENGCW-0-13	RTS CON		YMBOL PORT:	22
DISTRICT		U.S. ARMY CO			RICT			DREDGE	M / V CC	LUMBIA		
EXACT LOCATION	LOE WORK	0.0.7111111 0	JE, WOB		1			DATE			•	
	arbor Ship Channel, Mo						MAINTENANCE				eptember 1	4, 2017
	Dredge Are Sta 1160+00 to						NEW WORK	NUMBER OF PERSON	NS IN CR	EW	13	
V LENGTH OF CU		FT	DENOIT		CHARACTER OF M			HOPPER CAPACITY			4387	CU YDS
AV WIDTH OF CUT AV DIST TO DUMF	21.4	Sta. MILE	DENSIT		TER	1.045	gms/liter gms/liter	AV VOL OF BIN WATE AV UNFILLED CAPAC			0	CU YDS CU YDS
NAVIGATION AND		DAR, DIGITAL	GYRO C			H DIFFE	RENTIAL GPS, DI	SPLAYED WITH HYPA	cĸ			
	DREDGING AND HAU	VORK PERFOR	RMED		AGITATING		DRAFT FOR LOAI	ONO	LIGI	JT.	AVG	DED
NO OF LOADS	TOT CU YDS	DISPOSAL	AREA		TOT CU YDS		FORWARD		8			6
5 Provious Total	13,175	Mobile 102	CM	Today:	0		AFT DRAG DEPTH		10)	1	6
Previous Total 69	181,815	Mobile 102	2-500	Prev:	0		INDICATORS LAS	T CHECKED ON			8/4/2017	
74	194,990			To Date:			GAS INJECTORS	USED				
					DISTRIBUTION AGITATING	N OF TIM		SING AND HAULING	- 1		MILES RU	N
					(Minutes)			(Minutes)			(Stat. Mile:	
FFECTIVE WORK PUMPING	KING TIME							2:40	160			
TURNING								0:00	0			
TO DUMP DUMPING								9:55 0:20	595 20			
TO CUT								11:05	665			
TOTALS ON-EFFECTIVE \	MODKING TIME							0:00	1440			
	EL AND SUPPLIES	-						0:00	0			
TO AND FROM	ANCHORAGE NATURAL ELEMENTS							0:00	0			
	RAFFIC AND BRIDGE	S						0:00	0			
MINOR OPERAT	TING REPAIRS 3 BETWEEN WORKS							0:00 0:00	0			
LAY TIME	3 DETWEEN WORKS							0:00	0			
MICCELLANICOL	10							0:00	0			
MISCELLANEOU TOTALS	J8							0:00	0			
OST TIME												
MAJOR REPAIR CESSATION	S AND ALTERATIONS	i						0:00				
COLLISIONS								0:00				
TOTAL LOST TII		440						0:00	0			
VERAGE SPEED		-			MINUTES RADAR			0:00	1440			
OADING.		FEET / MIN 220			TIDE DATA WAS (OBTAINE		NOAA tide gauge at D	on River	Bridge		
GITATING		220			WEATHER:	SE 10-15	knots, Waves cal		og raver	Dilage.		
SALS OF FUEL OI		3817			EIEL D							
SALS OF WATER REMARKS:	CONSUMED	1306			FIELD							
SUBMITTED BY:												

		ental of Hoppe W912		and Atte	PER DREDGES endant Plant			REPOI ENGCW-0-13	RTS CON		YMBOL PORT:	23
DISTRICT		U.S. ARMY CO			RICT			DREDGE	M / V CC	DLUMBIA	Δ	
EXACT LOCATION	OF WORK				1			DATE				
	rbor Ship Channel, Mol	oile AL					MAINTENANCE				tember 15,	2017
	Dredge Are Sta 1160+00 to 1						NEW WORK	NUMBER OF PERSON	NS IN CR	EW	13	
AV LENGTH OF CU		FT	DENOIT		CHARACTER OF MA			HOPPER CAPACITY AV VOL OF BIN WATE			4387	CU YDS
AV WIDTH OF CUT AV DIST TO DUMF	21.4	Sta. MILE	DENSIT		TER .	1.045 1.006		AV UNFILLED CAPAC			0	CU YDS CU YDS
NAVIGATION AND	OTHER DREDGING A	,			, ,		•	SPLAYED WITH HYPA	CK			
		VORK PERFOR	RMED				DRAFT FOR LOAD	O NO			AVG	
NO OF LOADS	DREDGING AND HAUI TOT CU YDS	LING DISPOSAL	ARFA	1	AGITATING TOT CU YDS		FORWARD	_	LIGI 8			DED 6
5	13,175			Today:	0		AFT		10			6
Previous Total 74	194,990	Mobile 102	2-SW	Prev:	0		DRAG DEPTH INDICATORS LAS	T CHECKED ON			8/4/2017	
79	208,165			To Date:			GAS INJECTORS				0/4/2011	
				Δ	DISTRIBUTION AGITATING	OF TIM		ING AND HAULING	1		MILES RU	N
					(Minutes)		DILEBO	(Minutes)			(Stat. Miles	
EFFECTIVE WORK PUMPING	(ING TIME							2:35	155			
TURNING								0:15	15			
TO DUMP DUMPING								9:51 0:20	591 20			
TO CUT								9:53	593			
TOTALS NON-EFFECTIVE N	WORKING TIME							22:54	1374			
TAKING ON FUE	L AND SUPPLIES							0:00	0			
TO AND FROM A	ANCHORAGE IATURAL ELEMENTS							0:00	0			
LOSS DUE TO T	RAFFIC AND BRIDGE	S						0:00	0			
MINOR OPERAT	ING REPAIRS BETWEEN WORKS							0:00	0			
LAY TIME								0:00	0			
MISCELLANEOU	JS							0:00 1:06	0 66			
TOTALS								1:06	66			
OST TIME MAJOR REPAIR	S AND ALTERATIONS							0:00				
CESSATION	O THE TELL THOU							0:00				
COLLISIONS TOTAL LOST TII	ME							0:00	0			
TOTAL TIME IN F	PERIOD 1-	440						•				
AVERAGE SPEED OADING	OF DREGE	FEET / MIN	NUTE		MINUTES RADAR IN TIDE DATA WAS OF			0:00 NOAA tide gauge at D	1440	Bridge		
AGITATING					WEATHER: SE	E 5-10 I	nots, Waves caln		-gc.	Dilago.		
GALS OF FUEL OF GALS OF WATER		2526 564			FIELD							
REMARKS:	CONSONED	304			ILIEFD							
,	66 Minutes for Cape A	nne										
SUBMITTED BY:												

		ental of Hoppe W912		and Atte -0092	PER DREDGES Indant Plant			REPO ENGCW-0-13		NTROL S REI	YMBOL PORT:	24
DISTRICT		U.S. ARMY C	DE, MOB	ILE DISTF	RICT			DREDGE	M / V C	OLUMBIA	A.	
EXACT LOCATION Mobile Ha	OF WORK orbor Ship Channel, Mol	bile AL					MAINTENANCE	DATE	Sati	urday, Se	eptember 16	5, 2017
	Dredge Are Sta 1160+00 to 1						NEW WORK	NUMBER OF PERSO	NS IN CF	REW	13	
AV LENGTH OF CL		FT			CHARACTER OF			HOPPER CAPACITY			4387	CU YDS
AV WIDTH OF CUT AV DIST TO DUMP		FT Sta. MILE		Y OF MAT		1.045 1.006	gms/liter gms/liter	AV VOL OF BIN WAT			0	CU YDS
	OTHER DREDGING A	IDS: (Describe	and inclu	ide statem	ent on adequacy	and recom	mendations.) RENTIAL GPS, DI	SPLAYED WITH HYP				00.20
	V DREDGING AND HAU	VORK PERFOI	RMED		AGITATING		DRAFT FOR LOAI	D NO	LIG	LIT	AVG	DED
NO OF LOADS	TOT CU YDS	DISPOSAL	AREA		TOT CU YDS		FORWARD			3 3		6
5	13,175			Today:	0		AFT		1	0	1	6
Previous Total 79	208,165	Mobile 102	2-SW	Prev:	0		DRAG DEPTH INDICATORS LAS	ST CHECKED ON			8/4/2017	
84	221,340			To Date:	0		GAS INJECTORS				0/4/2011	
				^	DISTRIBUTI GITATING	ION OF TIM		SING AND HAULING	1	1	MILES RU	N
					(Minutes)		DREDG	(Minutes)			(Stat. Miles	
EFFECTIVE WORK	KING TIME							2.20	450			
PUMPING TURNING								2:36 0:00	156 0			
TO DUMP								9:48	588			
DUMPING TO CUT								0:20 10:52	20 652			
TOTALS								23:36	1416			
NON-EFFECTIVE V	WORKING TIME EL AND SUPPLIES							0:00	0			
TO AND FROM A								0:00	0			
	ATURAL ELEMENTS	0						0:00	0			
MINOR OPERAT	RAFFIC AND BRIDGE ING REPAIRS	5						0:24 0:00	24 0			
TRANSFERRING	BETWEEN WORKS							0:00	0			
LAY TIME								0:00 0:00	0			
MISCELLANEOU	JS							0:00	0			
TOTALS LOST TIME								0:24	24			
	S AND ALTERATIONS							0:00				
CESSATION								0:00				
COLLISIONS TOTAL LOST TIME	ME							0:00	0			
TOTAL TIME IN F		440						0.00[0			
AVERAGE SPEED LOADING	OF DREGE	FEET / MII	NUTE		MINUTES RADA TIDE DATA WAS		D BY MEANS OF	0:00 NOAA tide gauge at D	1440	Duides		
AGITATING		220			WEATHER:	SE 5-10	knots, Waves caln		log River	bridge.		
GALS OF FUEL OII		3037					,					
GALS OF WATER (REMARKS:	CONSUMED	1122			FIELD							
	24 Minutes Traffic											
SUBMITTED BY:												

				and Atte -0092			REPOI ENGCW-0-13	RTS CON	ITROL SYI REPO		25
DISTRICT		U.S. ARMY			RICT		DREDGE	M / V CO	DLUMBIA		
XACT LOCATION	NOF WORK						DATE				
Mobile Ha	arbor Ship Channel, N					MAINTENANCE			day, Septe	ember 17	', 2017
	Dredge A Sta 1160+00 t					NEW WORK	NUMBER OF PERSON	NS IN CR	EW	13	
AV LENGTH OF C		FT			CHARACTER OF MATI		HOPPER CAPACITY			4387	CU YDS
V WIDTH OF CU		FT Sta. MILE		Y OF MAT		045 gms/liter 006 gms/liter	AV VOL OF BIN WATE AV UNFILLED CAPAC			0	CU YDS
AVIGATION AND	OTHER DREDGING	AIDS: (Describ	e and inclu	ıde statem	ent on adequacy and r	ecommendations.)	ISPLAYED WITH HYPA			-	
		WORK PERF	ORMED			DRAFT FOR LOA	AD NO			AVG	
NO OF LOADS	DREDGING AND HA	ULING DISPOSA	I ARFA	1	AGITATING TOT CU YDS	FORWARD	-	LIGI 8			ADED 16
5	13,175			Today:	0	AFT		10			16
Previous Total 84	224 240	Mobile 1	02-SW	Dro.	0	DRAG DEPTH	ST CHECKED ON			8/4/2017	
89	221,340 234,515			Prev: To Date:	0	GAS INJECTORS				8/4/2017	
	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	· ·			DISTRIBUTION C	FTIME					
					GITATING (Minutes)	DRED	GING AND HAULING (Minutes)			IILES RU Stat. Mile	
FFECTIVE WORK	KING TIME				,,		,		,		-/
PUMPING TURNING							3:03 0:16	183 16			
TO DUMP							10:34	634			
DUMPING TO CUT							0:20 9:47	20 587			
TOTALS							0:00	1440			
ION-EFFECTIVE	WORKING TIME EL AND SUPPLIES	_					0:00	0			
TO AND FROM							0:00	0			
	NATURAL ELEMENT TRAFFIC AND BRIDG						0:00 0:00	0			
MINOR OPERA	TING REPAIRS	550					0:00	0			
	G BETWEEN WORK	3					0:00	0			
LAY TIME							0:00	0			
MISCELLANEOU	JS						0:00	0			
.OST TIME							0:00	0			
MAJOR REPAIR	S AND ALTERATION	NS					0:00				
CESSATION COLLISIONS							0:00				
TOTAL LOST TI							0:00	0			
TOTAL TIME IN INVERAGE SPEED		1440			MINUTES RADAR IN I	ISE	0:00	1440		-	
VLINGE SFEED	OI DINEGE	FEET / M	IINUTE			TAINED BY MEANS OF		1440			
OADING		22	0		WEATHER: SE	GAGE: 5-10 knots, Waves cal	NOAA tide gauge at D	og River l	Bridge.		
		334	9		WEATHER. SE	5-10 Kilots, waves cal	111				
GITATING GALS OF FUEL OI	L CONSUMED		5		FIELD		T				

				and Atte -0092			REPOI ENGCW-0-13	RTS CON	ITROL SYN REPO		26
DISTRICT		U.S. ARMY			RICT		DREDGE	M / V CC	DLUMBIA		
EXACT LOCATION	I OF WORK						DATE				
Mobile Ha	arbor Ship Channel, I					MAINTENANCE			nday, Septe	mber 18	, 2017
	Dredge A Sta 1160+00					NEW WORK	NUMBER OF PERSON	NS IN CR	EVV	13	
V LENGTH OF C		FT	DENIGIE		CHARACTER OF MATE		HOPPER CAPACITY			4387	CU YDS
AV WIDTH OF CU		FT Sta. MILE		Y OF MAT Y OF WAT		045 gms/liter 006 gms/liter	AV VOL OF BIN WATE AV UNFILLED CAPAC			0	CU YDS
NAVIGATION AND		,			ent on adequacy and re	,	ISPLAYED WITH HYPA	ск			
	DDEDONIO AND II	WORK PERF	ORMED		4.017.4.711.10	DRAFT FOR LOA	D NO			AVG	252
NO OF LOADS	DREDGING AND HA	AULING DISPOSA	L ARFA	1	AGITATING TOT CU YDS	FORWARD	-	LIGI 8			DED 16
5	13,175			Today:	0	AFT		10			16
Previous Total 89	234,515	Mobile 1	02-SW	Prev:	0	DRAG DEPTH	ST CHECKED ON		_	3/4/2017	
94	247,690	+		To Date:	0	GAS INJECTORS				JI -11 Z U I I	
		•	_		DISTRIBUTION O					E0 DI	
					GITATING (Minutes)	DREDO	GING AND HAULING (Minutes)			IILES RU Stat. Mile:	
FFECTIVE WORK	KING TIME				,		,	450	,		,
PUMPING TURNING							2:32 0:28	152 28			
TO DUMP							10:48	648			
DUMPING TO CUT							0:37 9:35	37 575			
TOTALS							0:00	1440			
ION-EFFECTIVE '	WORKING TIME EL AND SUPPLIES	_					0:00	0			
TO AND FROM	ANCHORAGE						0:00	0			
	NATURAL ELEMENT						0:00	0			
MINOR OPERA	TING REPAIRS						0:00	0			
TRANSFERRING LAY TIME	G BETWEEN WORK	S					0:00	0			
LAT TIME							0:00	0			
MISCELLANEOU	JS						0:00	0			
.OST TIME							0:00	0			
	S AND ALTERATIO	NS					0:00				
CESSATION COLLISIONS							0:00				
TOTAL LOST TI							0:00	0			
TOTAL TIME IN INVERAGE SPEED		1440		1	MINUTES RADAR IN U	JSE	0:00	1440			
		FEET / N				AINED BY MEANS OF			5		
.OADING		22	U		WEATHER: SE	GAGE: 5-10 knots, Waves cali	NOAA tide gauge at D	og River	Bridge.		
		309	5		WEXTHER: CE	o to know, vvavoo oan					
GITATING BALS OF FUEL OF BALS OF WATER			8		FIELD						

		ental of Hoppe W912		and Atte -0092	PER DREDGES Indant Plant			REPO ENGCW-0-13		NTROL S REI	SYMBOL PORT:	27
DISTRICT		U.S. ARMY CO			RICT			DREDGE	M/VC	OLUMBIA	Α.	
EXACT LOCATION Mobile Ha	OF WORK rbor Ship Channel, Mol	bile AL					MAINTENANCE	DATE			eptember 19	9, 2017
	Dredge Are Sta 1160+00 to 1						NEW WORK	NUMBER OF PERSO	NS IN CF	REW	13	
AV LENGTH OF CL		FT			CHARACTER OF			HOPPER CAPACITY			4387	CU YDS
AV WIDTH OF CUT AV DIST TO DUMP		FT Sta. MILE		Y OF MAT		1.045 1.006	gms/liter gms/liter	AV VOL OF BIN WAT AV UNFILLED CAPAC			0	CU YDS CU YDS
	OTHER DREDGING A	IDS: (Describe	and inclu	ide statem	ent on adequacy	and recom	mendations.) RENTIAL GPS, DI	SPLAYED WITH HYPA			-	
	V DREDGING AND HAUI	VORK PERFOI	RMED		AGITATING		DRAFT FOR LOAI	D NO	LIG	LIT	AVG	ADED
NO OF LOADS	TOT CU YDS	DISPOSAL	AREA		TOT CU YDS		FORWARD	-		3		16
6	15,810	M 1 11 404	2011	Today:	0		AFT		1	0	1	16
Previous Total 94	247,690	Mobile 102	2-SW	Prev:	0		DRAG DEPTH INDICATORS LAS	ST CHECKED ON			8/4/2017	
100	263,500			To Date:	0		GAS INJECTORS				0/ 1/2011	
				^	DISTRIBUT GITATING	ION OF TIM		SING AND HAULING	1	1	MILES RU	INI
					(Minutes)		DREDG	(Minutes)			(Stat. Mile.	
EFFECTIVE WORK	(ING TIME							0.07	447			
PUMPING TURNING								2:27 0:28	147 28			
TO DUMP								10:06	606			
DUMPING TO CUT								0:24 10:35	24 635			
TOTALS								0:00	1440			
NON-EFFECTIVE \	WORKING TIME EL AND SUPPLIES							0:00	0			
TO AND FROM								0:00	0			
	IATURAL ELEMENTS	0						0:00	0			
MINOR OPERAT	RAFFIC AND BRIDGE ING REPAIRS	S						0:00 0:00	0			
TRANSFERRING	BETWEEN WORKS							0:00	0			
LAY TIME								0:00 0:00	0			
MISCELLANEOU	JS							0:00	0			
TOTALS								0:00	0			
LOST TIME MAJOR REPAIR	S AND ALTERATIONS							0:00				
CESSATION	O THE TELL THOU							0:00				
COLLISIONS	45							0:00	0			
TOTAL LOST TIL		440						0:00	0			
AVERAGE SPEED	OF DREGE	FEET / MII	NUTE		MINUTES RADA TIDE DATA WA		D BY MEANS OF	0:00	1440			
LOADING AGITATING		220			WEATHER:	SE 5-10	GAGE: knots, Waves caln	NOAA tide gauge at D	og River	Bridge.		
GALS OF FUEL OI	L CONSUMED	2834			WEATHER.	3L 3-10	kilots, waves call					
GALS OF WATER	CONSUMED	561			FIELD							
REMARKS: SUBMITTED BY:												

		ental of Hoppe W912		and Atte -0092	PER DREDGES Indant Plant			REPO ENGCW-0-13		NTROL S REI	SYMBOL PORT:	28
DISTRICT		U.S. ARMY CO			RICT			DREDGE	M/VC	OLUMBIA	Α.	
EXACT LOCATION Mobile Ha	OF WORK rbor Ship Channel, Mol	bile AL					MAINTENANCE	DATE			September :	20, 2017
	Dredge Are Sta 1160+00 to 1						NEW WORK	NUMBER OF PERSO	NS IN CF	REW	13	
AV LENGTH OF CL		FT			CHARACTER OF			HOPPER CAPACITY			4387	CU YDS
AV WIDTH OF CUT AV DIST TO DUMP		FT Sta. MILE		Y OF MAT		1.045 1.006		AV VOL OF BIN WAT			0	CU YDS
	OTHER DREDGING A	IDS: (Describe	and inclu	ide statem	ent on adequacy	and recomi	mendations.) RENTIAL GPS, DI	SPLAYED WITH HYP			-	
	V DREDGING AND HAUI	VORK PERFOI	RMED		AGITATING		DRAFT FOR LOAI	D NO	LIG	LIT	AVG	DED
NO OF LOADS	TOT CU YDS	DISPOSAL	AREA		TOT CU YDS		FORWARD			3		16
5	13,175			Today:	0		AFT		1	0	1	16
Previous Total 100	263,500	Mobile 102	2-SW	Prev:	0		DRAG DEPTH INDICATORS LAS	ST CHECKED ON			8/4/2017	
105	276,675			To Date:	0		GAS INJECTORS				0/ 1/2011	
				^	DISTRIBUTI GITATING	ON OF TIM		SING AND HAULING	1	1	MILES RU	IN I
					(Minutes)		DREDG	(Minutes)			(Stat. Mile.	
EFFECTIVE WORK	(ING TIME							0.54	474			
PUMPING TURNING								2:51 0:33	171 33			
TO DUMP								10:27	627			
DUMPING TO CUT								0:20 9:49	20 589			
TOTALS								0:00	1440			
NON-EFFECTIVE V	WORKING TIME EL AND SUPPLIES							0:00	0			
TO AND FROM A	ANCHORAGE							0:00	0			
	IATURAL ELEMENTS	0						0:00	0			
MINOR OPERAT	RAFFIC AND BRIDGE ING REPAIRS	3						0:00 0:00	0			
TRANSFERRING	BETWEEN WORKS							0:00	0			
LAY TIME								0:00 0:00	0			
MISCELLANEOU	JS							0:00	0			
TOTALS								0:00	0			
LOST TIME MAJOR REPAIR	S AND ALTERATIONS							0:00				
CESSATION								0:00				
COLLISIONS TOTAL LOST TIME	45							0:00	0			
TOTAL TIME IN F		440						0.00[U			
AVERAGE SPEED	OF DREGE	FEET / MII	NUTE		MINUTES RADA TIDE DATA WAS		D BY MEANS OF	0:00	1440	D		
LOADING AGITATING		220			WEATHER:	SF 5-10	GAGE: knots, Waves caln	NOAA tide gauge at D	og River	Bridge.		
GALS OF FUEL OII	L CONSUMED	2507			VVEX (TITLE)	02 0 10	Mioto, Waves sain					
GALS OF WATER (REMARKS:	CONSUMED	935			FIELD							
SUBMITTED BY:												
335mi (ED D1)												

		ental of Hoppe W912		and Atte	PER DREDGES endant Plant			REPOI ENGCW-0-13	RTS CON		YMBOL PORT:	29
DISTRICT		U.S. ARMY CO			RICT			DREDGE	M / V CC	I IIMBIA	\	
VACT LOCATION	LOE WORK	O.O. ARWIT OF	JE, WOB	ILL DIOTI	T				1117 4 00	LOWIDIA	•	
XACT LOCATION Mobile Ha	rbor Ship Channel, Mo	bile AL					MAINTENANCE	DATE	Thur	sday, Se	eptember 2	1, 2017
	Dredge Are Sta 1160+00 to 1						NEW WORK	NUMBER OF PERSON	NS IN CR	EW	13	
V LENGTH OF C		FT			L CHARACTER OF MA			HOPPER CAPACITY			4387	CU YDS
V WIDTH OF CU		FT Sta. MILE		OF MAT		1.045	gms/liter gms/liter	AV VOL OF BIN WATE AV UNFILLED CAPAC			0	CU YDS CU YDS
IAVIGATION AND		DAR, DIGITAL	GYRO C			H DIFFE	RENTIAL GPS, DI	SPLAYED WITH HYPA	cĸ			
	V DREDGING AND HAU	VORK PERFOR	RMED		AGITATING		DRAFT FOR LOAI	D NO	LIGI	-IT	AVG	DED
NO OF LOADS	TOT CU YDS	DISPOSAL	AREA		TOT CU YDS		FORWARD		8			6
5	13,175	Mahila 400	CM	Today:	0		AFT DEATH		10)	1	6
Previous Total 105	276,675	Mobile 102	2-500	Prev:	0		DRAG DEPTH INDICATORS LAS	T CHECKED ON			8/4/2017	
110	289,850			To Date:	0		GAS INJECTORS					
		1			DISTRIBUTION AGITATING	N OF TIN		SING AND HAULING	1		MILES RU	N
					(Minutes)		DREDG	(Minutes)			(Stat. Mile:	
FFECTIVE WORK PUMPING	KING TIME							2:27	147			
TURNING								0:31	31			
TO DUMP DUMPING								11:00	660			
TO CUT								0:20 9:42	20 582			
TOTALS								0:00	1440			
ON-EFFECTIVE Y	WORKING TIME EL AND SUPPLIES	-						0:00	0			
TO AND FROM	ANCHORAGE							0:00	0			
	NATURAL ELEMENTS RAFFIC AND BRIDGE	S						0:00	0			
MINOR OPERAT	TING REPAIRS	.0						0:00	0			
TRANSFERRING LAY TIME	G BETWEEN WORKS							0:00	0			
								0:00	0			
MISCELLANEOU TOTALS	JS							0:00	0			
OST TIME								0:00[U			
	S AND ALTERATIONS	;						0:00	Ì			
CESSATION								0:00				
TOTAL LOST TI								0:00	0			
TOTAL TIME IN INVERAGE SPEED		440			MINUTES RADAR I	NUSE		0:00	1440			
OADING	OF BIXEOE	FEET / MIN 220			TIDE DATA WAS C			NOAA tide gauge at D		Bridge		
GITATING		220			WEATHER: \$	SE 5-10	knots, Waves caln		og raver	bridge.		
SALS OF FUEL OI		3329			EIEL D			T				
SALS OF WATER REMARKS:	CONSUMED	748			FIELD							
SUBMITTED BY:												

		ental of Hoppe W912		and Atte -0092	PER DREDGES Indant Plant			REPO ENGCW-0-13		NTROL S REF	YMBOL PORT:	30
DISTRICT		U.S. ARMY CO	DE, MOB	ILE DISTF	RICT			DREDGE	M / V C	OLUMBIA	A	
EXACT LOCATION Mobile Ha	OF WORK irbor Ship Channel, Mol	oile AL					MAINTENANCE	DATE	Fri	iday, Sep	tember 22,	2017
Sta	Dredge Area 2 1160+00 to 1220+00 &		+00			_	NEW WORK	NUMBER OF PERSO	NS IN CF	REW	13	
AV LENGTH OF CU		FT FT	DENSIT	Y OF MAT	CHARACTER OF	MATERIAL 1.045		HOPPER CAPACITY AV VOL OF BIN WAT	FR		4387 0	CU YDS
AV DIST TO DUMP		Sta. MILE	DENSIT'	Y OF WAT	ER	1.006	gms/liter	AV UNFILLED CAPAC			0	CU YDS
NAVIGATION AND		,			, ,		,	SPLAYED WITH HYPA	ACK			
		VORK PERFOR	RMED				DRAFT FOR LOAI	D NO			AVG	
NO OF LOADS	DREDGING AND HAUL TOT CU YDS	LING DISPOSAL	ARFA	1	AGITATING TOT CU YDS		FORWARD	-	LIG	<u>SHT</u> 3		DED 6
5	13,175			Today:	0		AFT			0		6
Previous Total 110	289,850	Mobile 102	2-SW	Prev:	0		DRAG DEPTH INDICATORS LAS	T CHECKED ON			8/4/2017	
115	303,025			To Date:	0		GAS INJECTORS				0/4/2017	
				^	DISTRIBUT GITATING	ION OF TIN		SING AND HAULING			MILES RU	NI
					(Minutes)		DREDG	(Minutes)			(Stat. Miles	
EFFECTIVE WORK PUMPING	(ING TIME							2:38	158			
TURNING								0:16	16			
TO DUMP DUMPING								9:42 0:20	582 20			
TO CUT								11:04	664			
TOTALS	NODKING TIME							0:00	1440			
NON-EFFECTIVE \ TAKING ON FUE	EL AND SUPPLIES							0:00	0			
TO AND FROM								0:00	0			
	IATURAL ELEMENTS RAFFIC AND BRIDGE:	S						0:00 0:00	0			
MINOR OPERAT	ING REPAIRS							0:00	0			
LAY TIME	BETWEEN WORKS							0:00 0:00	0			
MICCELLANICOL	10							0:00	0			
MISCELLANEOU TOTALS	15							0:00	0			
LOST TIME									ŭ			
MAJOR REPAIR CESSATION	S AND ALTERATIONS							0:00 0:00				
COLLISIONS								0:00				
TOTAL LOST TIL		440						0:00	0			
AVERAGE SPEED		'			MINUTES RADA			0:00	1440			
LOADING		FEET / MIN 220	NUTE		TIDE DATA WA	S OBTAINE	D BY MEANS OF	NOAA tide gauge at D	log Piyor	Pridgo		
AGITATING		220			WEATHER:	SE 5-10	knots, Waves caln		og raver	Driuge.		
GALS OF FUEL OI		3299			5151.5							
GALS OF WATER (REMARKS:	CONSUMED	1496			FIELD							
,	Changed assigments (on load 114										
SUBMITTED BY:												

		ental of Hoppe W912		and Atte	PER DREDGES Indant Plant			REPO ENGCW-0-13		NTROL S REF	YMBOL PORT:	31
DISTRICT		U.S. ARMY C	OE, MOB	ILE DISTF	RICT			DREDGE	M / V C	OLUMBIA	4	
EXACT LOCATION Mobile Ha	I OF WORK arbor Ship Channel, Mol	bile AL					MAINTENANCE	DATE			eptember 23	3, 2017
	Dredge Are Sta 704+00 to 7					Ī	NEW WORK	NUMBER OF PERSO	NS IN CF	REW	13	
AV LENGTH OF C		FT			CHARACTER OF			HOPPER CAPACITY			4387	CU YDS
AV WIDTH OF CUT AV DIST TO DUMF		FT Sta. MILE		Y OF MAT		1.045 1.006	gms/liter gms/liter	AV VOL OF BIN WAT			0	CU YDS
	OTHER DREDGING A	IDS: (Describe	and inclu	ide statem	ent on adequacy	and recomi	mendations.) RENTIAL GPS, DI	SPLAYED WITH HYP				
	V DREDGING AND HAU	VORK PERFOI	RMED		AGITATING		DRAFT FOR LOAI	D NO	LIG	LIT	AVG	DED
NO OF LOADS	TOT CU YDS	DISPOSAL	AREA		TOT CU YDS		FORWARD			3		6
4	10,540			Today:	0		AFT		1	0	1	6
Previous Total 115	303,025	Mobile 102	2-SW	Prev:	0		DRAG DEPTH INDICATORS LAS	ST CHECKED ON			8/4/2017	
119	313,565			To Date:	0		GAS INJECTORS				0/1/2017	
					DISTRIBUTI GITATING	ON OF TIM		SING AND HAULING	1	1	MILES RU	N.I.
					(Minutes)		DREDG	(Minutes)			(Stat. Miles	
EFFECTIVE WORK	KING TIME							2.02	400			
PUMPING TURNING								2:02 0:00	122			
TO DUMP								11:30	690			
DUMPING TO CUT								0:16 10:12	16 612			
TOTALS								0:00	1440			
NON-EFFECTIVE \	WORKING TIME EL AND SUPPLIES							0:00	0			
TO AND FROM								0:00	0			
	NATURAL ELEMENTS	0						0:00	0			
MINOR OPERAT	RAFFIC AND BRIDGE	5						0:00 0:00	0			
TRANSFERRING	G BETWEEN WORKS							0:00	0			
LAY TIME								0:00 0:00	0			
MISCELLANEOU	JS							0:00	0			
TOTALS								0:00	0			
LOST TIME MAJOR REPAIR	S AND ALTERATIONS							0:00				
CESSATION								0:00				
COLLISIONS TOTAL LOST TII	мг							0:00	0			
TOTAL TIME IN F		440						0.00[U			
AVERAGE SPEED	OF DREGE	FEET / MII	NUTE		MINUTES RADA TIDE DATA WAS		D BY MEANS OF	0:00	1440	Daidas		
LOADING AGITATING		220			WEATHER:	SE 5-10	knots, Waves caln	NOAA tide gauge at D	og River	Briage.		
GALS OF FUEL OI		2688					,					
GALS OF WATER REMARKS:	CONSUMED	1421			FIELD							
SUBMITTED BY:												

		ental of Hoppe W912		and Atte -0092	PER DREDGES Indant Plant			REPO ENGCW-0-13		NTROL S REI	SYMBOL PORT:	32
DISTRICT		U.S. ARMY CO			RICT			DREDGE	M/VC	OLUMBIA	A	
EXACT LOCATION Mobile Ha	I OF WORK arbor Ship Channel, Mol	bile AL					MAINTENANCE	DATE	Su	nday, Se	ptember 24	, 2017
	Dredge Are Sta 704+00 to 7					_]	NEW WORK	NUMBER OF PERSO	NS IN CF	REW	13	
AV LENGTH OF CL		FT			CHARACTER OF			HOPPER CAPACITY			4387	CU YDS
AV WIDTH OF CUT AV DIST TO DUMP		FT Sta. MILE		Y OF MAT Y OF WAT		1.045 1.006	gms/liter gms/liter	AV VOL OF BIN WAT			0	CU YDS CU YDS
NAVIGATION AND		DAR, DIGITAL	GYRO C				mendations.) RENTIAL GPS, DI	SPLAYED WITH HYPA	ACK			
	V DREDGING AND HAU	VORK PERFOI	RMED		AGITATING		DRAFT FOR LOAI	D NO	LIG	·UT	AVG	ADED
NO OF LOADS	TOT CU YDS	DISPOSAL	AREA	1	TOT CU YDS		FORWARD			3	+	16
4	10,540	M 1 11 404	2011	Today:	0		AFT		1	0		16
Previous Total 119	313,565	Mobile 102	2-SW	Prev:	0		DRAG DEPTH INDICATORS LAS	ST CHECKED ON			8/4/2017	
123	324,105			To Date:	0		GAS INJECTORS				0/ 1/2011	
		1		^	DISTRIBUTI GITATING	ON OF TIN		SING AND HAULING		1	MILES RU	INI
					(Minutes)		DREDG	(Minutes)			(Stat. Mile	
EFFECTIVE WORK PUMPING	KING TIME							2:11	131			
TURNING								0:00				
TO DUMP DUMPING								11:08 0:16	668 16			
TO CUT								10:25	625			
TOTALS								0:00	1440			
NON-EFFECTIVE \ TAKING ON FUE	WORKING TIME EL AND SUPPLIES							0:00	0			
TO AND FROM A	ANCHORAGE							0:00	0			
	NATURAL ELEMENTS RAFFIC AND BRIDGE	S						0:00 0:00	0			
MINOR OPERAT	TING REPAIRS							0:00	0			
TRANSFERRING LAY TIME	G BETWEEN WORKS							0:00 0:00	0			
								0:00	0			
MISCELLANEOU TOTALS	JS							0:00	0			
LOST TIME								0:00	U			
	S AND ALTERATIONS							0:00				
CESSATION COLLISIONS								0:00 0:00				
TOTAL LOST TI								0:00	0			
TOTAL TIME IN F AVERAGE SPEED		440			MINUTES RADA	R IN LISE		0:00	1440			
LOADING	0. 5.1.202	FEET / MII 220	NUTE		TIDE DATA WAS	S OBTAINE		NOAA tide gauge at D		Bridge.		
AGITATING GALS OF FUEL OII	LCONSTIMED	3287			WEATHER:	SE 5-10	knots, Waves caln	n				
GALS OF WATER		784			FIELD							
REMARKS:								•				
CLIDMITTED DV												
SUBMITTED BY:												

		ental of Hoppe W912		and Atte	PER DREDGES endant Plant			REPOR ENGCW-0-13	RTS CON		SYMBOL PORT:	33
DISTRICT		U.S. ARMY CO			RICT			DREDGE	M / V CC	LUMBIA	Α.	
XACT LOCATION	I OF WORK							DATE				
Mobile Ha	arbor Ship Channel, Mo Dredge Are					1	MAINTENANCE	NUMBER OF PERSON			ptember 25	5, 2017
	Sta 704+00 to 1					1	NEW WORK				13	
AV LENGTH OF CU		FT FT	DENIGITY	OF MAT	CHARACTER OF MA	TERIAL 1.045	gms/liter	HOPPER CAPACITY AV VOL OF BIN WATE	D		4387 0	CU YDS CU YDS
V DIST TO DUMF	29.8	Sta. MILE	DENSIT	OF WAT	TER	1.006	gms/liter	AV UNFILLED CAPAC			0	CU YDS
iavigation and	OTHER DREDGING A	,			, ,		,	SPLAYED WITH HYPA	cĸ			
		VORK PERFOR	RMED		ACITATING	1	DRAFT FOR LOAD	O NO	110	IT.	AVG	DED
NO OF LOADS	DREDGING AND HAU TOT CU YDS	DISPOSAL	AREA		AGITATING TOT CU YDS		FORWARD	-	LIGI 8			ADED 16
4	10,540	11 1 100	. 014/	Today:	0		AFT		10)	1	16
Previous Total	324,105	Mobile 102	2-SW	Prev:	0		DRAG DEPTH NDICATORS LAS	T CHECKED ON			8/4/2017	
127	334,645			To Date:	0	(GAS INJECTORS				0/ 1/2011	
					DISTRIBUTION AGITATING	OF TIM		SING AND HAULING	- 1		MILES RU	INI
					(Minutes)		DINEDO	(Minutes)			(Stat. Mile.	
FFECTIVE WORK PUMPING	KING TIME							1:59	119			
TURNING								0:19	19			
TO DUMP DUMPING								10:36 0:16	636 16			
TO CUT								10:13	613			
TOTALS	MODIZINO TIME							23:23	1403			
ON-EFFECTIVE \ TAKING ON FUE	EL AND SUPPLIES	-						0:00	0			
TO AND FROM								0:00	0			
	NATURAL ELEMENTS TRAFFIC AND BRIDGE	S						0:00 0:37	0 37			
MINOR OPERAT	TING REPAIRS 3 BETWEEN WORKS							0:00 0:00	0			
LAY TIME	3 DETWEEN WORKS							0:00	0			
MISCELLANEOU	10							0:00 0:00	0			
TOTALS	JS							0:37	37			
OST TIME								2.00				
CESSATION	S AND ALTERATIONS)						0:00 0:00				
COLLISIONS								0:00				
TOTAL LOST TII		440						0:00	0			
VERAGE SPEED	OF DREGE				MINUTES RADAR IN		DV/1451110.05	0:00	1440			
.OADING		FEET / MIN 220	NUIE		TIDE DATA WAS OF	BIAINEI		NOAA tide gauge at D	oa River	Bridae.		
GITATING					WEATHER: SI	E 5-10 k	nots, Waves caln		-9	3		
SALS OF FUEL OF		2709 1195			FIELD							
REMARKS:	CONSUMED	1193			FIELD							
	37 Minutes Traffic											
SUBMITTED BY:												

		ental of Hoppe W912		and Atte -0092	PER DREDGES Indant Plant			REPO ENGCW-0-13		NTROL S REF	YMBOL PORT:	34
DISTRICT		U.S. ARMY C	DE, MOB	ILE DISTF	RICT			DREDGE	M / V C	OLUMBIA	\	
EXACT LOCATION Mobile Ha	OF WORK	bile AL					MAINTENANCE	DATE	Tue	esday, Se	ptember 26	5, 2017
	Dredge Are Sta 704+00 to 7					_	NEW WORK	NUMBER OF PERSO	NS IN CF	REW	13	
AV LENGTH OF CU		FT			CHARACTER OF			HOPPER CAPACITY			4387	CU YDS
AV WIDTH OF CUT AV DIST TO DUMP		FT Sta. MILE		Y OF MAT		1.045 1.006	gms/liter gms/liter	AV VOL OF BIN WAT			0	CU YDS
	OTHER DREDGING A	IDS: (Describe	and inclu	ide statem	ent on adequacy	and recom	mendations.) RENTIAL GPS, DI	SPLAYED WITH HYP				
	V DREDGING AND HAU	VORK PERFOI	RMED		AGITATING		DRAFT FOR LOAI	D NO	LIG	LIT	AVG	DED
NO OF LOADS	TOT CU YDS	DISPOSAL	AREA		TOT CU YDS		FORWARD			3		6
4	10,540	14 1 11 404	2011	Today:	0		AFT		1	0	1	6
Previous Total 127	334,645	Mobile 102	2-SW	Prev:	0		DRAG DEPTH INDICATORS LAS	ST CHECKED ON			8/4/2017	
131	345,185			To Date:	0		GAS INJECTORS				0, 1,2011	
				^	DISTRIBUT GITATING	ION OF TIM		SING AND HAULING	1	1	MILES RU	N.I.
					(Minutes)		DREDG	(Minutes)			(Stat. Miles	
EFFECTIVE WORK	KING TIME							2.07	407			
PUMPING TURNING								2:07 0:08	127 8			
TO DUMP								10:50	650			
DUMPING TO CUT								0:16 10:11	16 611			
TOTALS								23:32	1412			
NON-EFFECTIVE \	WORKING TIME EL AND SUPPLIES							0:00	0			
TO AND FROM								0:00	0			
	ATURAL ELEMENTS	0						0:00	0			
MINOR OPERAT	RAFFIC AND BRIDGE ING REPAIRS	5						0:18 0:00	18 10			
TRANSFERRING	BETWEEN WORKS							0:00	0			
LAY TIME								0:00 0:00	0			
MISCELLANEOU	JS							0:00	0			
TOTALS LOST TIME								0:28	28			
	S AND ALTERATIONS							0:00				
CESSATION								0:00				
COLLISIONS TOTAL LOST TI	ME							0:00	0			
TOTAL TIME IN F		440						0.00[0			
AVERAGE SPEED	OF DREGE	FEET / MII	NUTE		MINUTES RADA TIDE DATA WA		D BY MEANS OF	0:00	1440	Duides		
LOADING AGITATING		220			WEATHER:	SE 5-10	knots, Waves caln	NOAA tide gauge at D	og River	Briage.		
GALS OF FUEL OI		3460					,					
GALS OF WATER (REMARKS:	CONSUMED	1419			FIELD							
	10 Minutes Minor Rep 18 Minutes Traffic	air										
SUBMITTED BY:												

				and Atte				REPO ENGCW-0-13	RTS COM	NTROL S REF	YMBOL PORT:	35
DISTRICT		U.S. ARMY C	OE, MOB	ILE DISTF	RICT			DREDGE	M / V C	OLUMBIA	4	
EXACT LOCATION Mobile Ha	N OF WORK arbor Ship Channel, M Dredge Ar Sta 704+00 to	ea 3					MAINTENANCE NEW WORK	DATE NUMBER OF PERSO			September :	27, 2017
AV LENGTH OF C		FT FT	DENGIT	Y OF MAT	CHARACTER OF MA	ATERIAI 1.045	gms/liter	HOPPER CAPACITY AV VOL OF BIN WATI	ED.		4387 0	CU YDS CU YDS
AV DIST TO DUMP	29.8	Sta. MILE	DENSIT	Y OF WAT	ΓER	1.006	gms/liter	AV UNFILLED CAPAC			0	CU YDS
NAVIGATION AND	OTHER DREDGING	,					,	SPLAYED WITH HYPA	CK			
		WORK PERFO	RMED				DRAFT FOR LOAI	D NO			AVG	
NO OF LOADS	DREDGING AND HAI	JLING DISPOSAL	ΔREΛ		AGITATING TOT CU YDS		FORWARD	-	LIG 8			ADED 16
3	7,905	DISPUSAL	ANEA	Today:	0		AFT		1			16
Previous Total	•	Mobile 10	2-SW				DRAG DEPTH					
131	345,185			Prev:	0		INDICATORS LAS				8/4/2017	
134	353,090			To Date:	0 DISTRIBUTION	N OF TIM	GAS INJECTORS	USED				
				Α	AGITATING	101 111		GING AND HAULING			MILES RU	
FFECTIVE WOR	ZINIO TIME				(Minutes)			(Minutes)			(Stat. Mile	s)
PUMPING	NING TIME							0:51	51			
TURNING								0:00				
TO DUMP DUMPING								7:14 0:12	434 12			
TO CUT								6:35	395			
TOTALS								14:52	892			
NON-EFFECTIVE	WORKING TIME EL AND SUPPLIES	_						3:00	180			
TO AND FROM								2:02	122			
	NATURAL ELEMENTS							0:00	0			
MINOR OPERA	TRAFFIC AND BRIDG	ES						0:00	0 246			
TRANSFERRING	G BETWEEN WORKS							0:00	0			
LAY TIME								0:00	0			
MISCELLANEO	JS							0:00	0			
TOTALS								9:08	548			
OST TIME	S AND ALTERATION	0						0.00				
CESSATION	S AND ALTERATION	5						0:00				
COLLISIONS								0:00				
TOTAL LOST TI		1440						0:00	0			
AVERAGE SPEED		1770			MINUTES RADAR	N USE	l	0:00	1440	1		
		FEET / MI	NUTE		TIDE DATA WAS O					5		
OADING AGITATING		220			WEATHER:	SE 5-10	GAGE: knots, Waves caln	NOAA tide gauge at D	og River	Bridge.		
GALS OF FUEL O	L CONSUMED	1600			WEATHER.	3L 3-10	Kilots, waves call					
GALS OF WATER		1419			FIELD							
	180 Minutes Fuel, Wa 246 Minutes Minor R 122 Minutes To / Fro	epairs										
SUBMITTED BY:												

		Rental of Hopp W9		and Atte	PER DREDGES Indant Plant		REPOI ENGCW-0-13	RTS CON	ITROL SYM REPOR		36
DISTRICT		U.S. ARMY	COE MOB	II E DISTE	RICT		DREDGE	M / V CC	DLUMBIA		
		U.S. ARRIVIT	JOL, WOD	ILL DIGIT	(IC)			WI / V CC	ZEOWIDIA		
XACT LOCATION Mobile Ha	l OF WORK arbor Ship Channel, l	/lobile AL				MAINTENANCE	DATE	Thur	sday, Septe	mber 2	8. 2017
	Dredge A	rea 3					NUMBER OF PERSON				-,
	Sta 704+00 t	o 794+00				NEW WORK				13	
V LENGTH OF C		FT			CHARACTER OF MAT		HOPPER CAPACITY			4387	CU YDS
V WIDTH OF CU		FT Sta. MILE		Y OF MAT		045 gms/liter 006 gms/liter	AV VOL OF BIN WATE			0	CU YDS
					nent on adequacy and r		INV ON ILLED ON NO	,,,,,		0	00 100
	F	ADAR, DIGITA	L GYRO C	OMPASS	INTERFACED WITH I	DIFFERENTIAL GPS, D	ISPLAYED WITH HYPA	CK			
		WORK PERFO	ORMED			DRAFT FOR LOA	AD NO			AVG	
NO OF LOADS	DREDGING AND HA	ULING DISPOSA	L ARFA	1	AGITATING TOT CU YDS	FORWARD	-	LIGI 8			DED 16
4	10,540			Today:	0	AFT		10			16
Previous Total 135	353,090	Mobile 1	02-SW	Prev:	0	DRAG DEPTH	ST CHECKED ON		0	/4/2017	
138	363,630			To Date:	0	GAS INJECTORS			O.	14/2017	
			1		DISTRIBUTION C					. E0 B	
					GITATING (Minutes)	DRED	GING AND HAULING (Minutes)			LES RU tat. Mile:	
FFECTIVE WORK	KING TIME						· · · · · · · · · · · · · · · · · · ·	440	,		,
PUMPING TURNING							1:58 0:14	118 14			
TO DUMP							10:42	642			
DUMPING TO CUT							0:16 10:50	16 650			
TOTALS							0:00	1440			
ON-EFFECTIVE TAKING ON FUE	WORKING TIME EL AND SUPPLIES	_					0:00	0			
TO AND FROM	ANCHORAGE						0:00	0			
	NATURAL ELEMENT TRAFFIC AND BRIDG						0:00	0			
MINOR OPERA	TING REPAIRS						0:00	0			
TRANSFERRING LAY TIME	G BETWEEN WORK	S					0:00	0			
							0:00	0			
MISCELLANEOU TOTALS	JS						0:00	0			
OST TIME							0.00	U			
MAJOR REPAIR CESSATION	S AND ALTERATION	NS .					0:00				
COLLISIONS							0:00				
TOTAL LOST TI		1440					0:00	0			
VERAGE SPEED			1		MINUTES RADAR IN		0:00	1440			
OADING		FEET / M			TIDE DATA WAS OB	TAINED BY MEANS OF	NOAA tide gauge at D	oa River	Bridge		
		22	0		WEATHER: N 5	knots, Waves calm	NOAA tide gauge at b	og raver	bridge.		
GITATING	LOONOLIMED	311			FIELD						
GITATING BALS OF FUEL OI BALS OF WATER		70									

		ental of Hoppe W912		and Atte	PER DREDGES Indant Plant			REPO ENGCW-0-13		NTROL S REF	YMBOL PORT:	37
DISTRICT		U.S. ARMY CO			RICT			DREDGE	M/VC	OLUMBIA	λ.	
EXACT LOCATION Mobile Ha	OF WORK irbor Ship Channel, Mol	bile AL					MAINTENANCE	DATE	Fri	iday, Sep	tember 29,	2017
	Dredge Are Sta 704+00 to 7						NEW WORK	NUMBER OF PERSO	NS IN CF	REW	13	
AV LENGTH OF CL		FT			CHARACTER OF			HOPPER CAPACITY			4387	CU YDS
AV WIDTH OF CUT AV DIST TO DUMP		FT Sta. MILE		Y OF MAT Y OF WAT		1.045 1.006	gms/liter gms/liter	AV VOL OF BIN WAT			0	CU YDS
NAVIGATION AND		DAR, DIGITAL	GYRO C		, ,		RENTIAL GPS, DI	SPLAYED WITH HYPA	ACK			
	V DREDGING AND HAU	VORK PERFOI	RMED		AGITATING		DRAFT FOR LOAI	D NO	LIG	LIT	AVG	DED
NO OF LOADS	TOT CU YDS	DISPOSAL	AREA		TOT CU YDS		FORWARD			3		16
4	10,540	M 1 11 404	2011	Today:	0		AFT		1	0	1	16
Previous Total 138	363,630	Mobile 102	2-SW	Prev:	0		DRAG DEPTH INDICATORS LAS	T CHECKED ON			8/4/2017	
142	374,170			To Date:	0		GAS INJECTORS				0, 1,2011	
					DISTRIBUTI GITATING	ON OF TIN		SING AND HAULING			MILES RU	INI
					(Minutes)		DREDG	(Minutes)			(Stat. Miles	
EFFECTIVE WORK PUMPING	(ING TIME							4.57	447			
TURNING								1:57 0:06	117 6			
TO DUMP								10:45	645			
DUMPING TO CUT								0:16 10:56	16 656			
TOTALS								0:00	1440			
NON-EFFECTIVE V	WORKING TIME EL AND SUPPLIES							0:00	0			
TO AND FROM A	ANCHORAGE							0:00	0			
	IATURAL ELEMENTS RAFFIC AND BRIDGE	S						0:00 0:00	0			
MINOR OPERAT	ING REPAIRS							0:00	0			
TRANSFERRING LAY TIME	B BETWEEN WORKS							0:00 0:00	0			
								0:00	0			
MISCELLANEOU TOTALS	JS							0:00	0			
LOST TIME								0:00	U			
	S AND ALTERATIONS							0:00				
CESSATION COLLISIONS								0:00 0:00				
TOTAL LOST TIM								0:00	0			
TOTAL TIME IN F AVERAGE SPEED		440			MINUTES RADA	R IN LISE		0:00	1440			
LOADING	OT BILLOE	FEET / MII 220	NUTE		TIDE DATA WAS	S OBTAINE		NOAA tide gauge at D		Bridge.		
AGITATING	OONOUNED	0.400			WEATHER:	N 5 knot	s, Waves calm					
GALS OF FUEL OII GALS OF WATER (3433 896			FIELD							
REMARKS:	00.10025											
SUBMITTED BY:												

		ental of Hoppe W912		and Atte -0092	PER DREDGES Indant Plant			REPO ENGCW-0-13		NTROL S REF	YMBOL PORT:	38
DISTRICT		U.S. ARMY C	DE, MOB	ILE DISTE	RICT			DREDGE	M / V C	OLUMBIA	A.	
EXACT LOCATION Mobile Ha	OF WORK rbor Ship Channel, Mol	bile AL					MAINTENANCE	DATE			eptember 30	, 2017
	Dredge Are Sta 704+00 to 7						NEW WORK	NUMBER OF PERSO	NS IN CF	REW	13	
AV LENGTH OF CL		FT			CHARACTER OF			HOPPER CAPACITY			4387	CU YDS
AV WIDTH OF CUT AV DIST TO DUMP		FT Sta. MILE		Y OF MAT		1.045 1.006	gms/liter gms/liter	AV VOL OF BIN WAT			0	CU YDS
NAVIGATION AND		DAR, DIGITAL	GYRO C				RENTIAL GPS, DI	SPLAYED WITH HYPA	ACK			
	V DREDGING AND HAUI	VORK PERFOI	RMED		AGITATING		DRAFT FOR LOAI	D NO	LIG	LIT	AVG	DED
NO OF LOADS	TOT CU YDS	DISPOSAL	AREA	1	TOT CU YDS		FORWARD			3		6
4	10,540	14 1 11 404		Today:	0		AFT		1	0	1	6
Previous Total 142	374,170	Mobile 102	2-SW	Prev:	0		DRAG DEPTH INDICATORS LAS	ST CHECKED ON			8/4/2017	
146	384,710			To Date:	0		GAS INJECTORS				0, 1,2011	
				^	DISTRIBUT GITATING	ION OF TIM		SING AND HAULING	1	1	MILES RU	N
					(Minutes)		DREDG	(Minutes)			(Stat. Miles	
EFFECTIVE WORK PUMPING	(ING TIME							2:46	136			
TURNING								2:16 0:06	6			
TO DUMP								10:53	653			
DUMPING TO CUT								0:16 10:22	16 622			
TOTALS								23:53	1433			
NON-EFFECTIVE V	WORKING TIME EL AND SUPPLIES							0:00	0			
TO AND FROM A	ANCHORAGE							0:00	0			
	IATURAL ELEMENTS RAFFIC AND BRIDGE	\$						0:00 0:07	7			
MINOR OPERAT	ING REPAIRS	0						0:00	0			
TRANSFERRING LAY TIME	BETWEEN WORKS							0:00 0:00	0			
								0:00	0			
MISCELLANEOU TOTALS	JS							0:00 0:07	7			
LOST TIME								0:07	1			
	S AND ALTERATIONS							0:00				
CESSATION COLLISIONS								0:00 0:00				
TOTAL LOST TIM								0:00	0			
TOTAL TIME IN F AVERAGE SPEED		440			MINUTES RADA	R IN LISE		0:00	1440			
LOADING	0. 5.1.202	FEET / MII 220	NUTE		TIDE DATA WA	S OBTAINE		NOAA tide gauge at D		Bridge.		
AGITATING GALS OF FUEL OII	CONSTIMED	3878			WEATHER:	NE 10 kr	ots, Waves 1 ft					
GALS OF WATER		896			FIELD							
REMARKS:												
,	7 Minutes Traffic											
SUBMITTED BY:												

		ental of Hoppe W912		and Atte	PER DREDGES Indant Plant			REPOI ENGCW-0-13	RTS CON		YMBOL PORT:	39
DISTRICT					DIOT.			DREDGE	MANAGO	N. LIMPIA		
		U.S. ARMY CO	JE, MOB	ILE DISTI	RICI				M / V CC	LUMBIA	1	
XACT LOCATION	l OF WORK Irbor Ship Channel, Mol	hile Al					MAINTENANCE	DATE	S	unday C	october 1, 2	017
WODIIE HA	Dredge Are						MAINTENANCE	NUMBER OF PERSON			october 1, 2	017
	Sta 704+00 to 7	794+00				I	NEW WORK				13	
V LENGTH OF CU		FT			L CHARACTER OF I	MATERIAL	-	HOPPER CAPACITY			4387	CU YDS
AV WIDTH OF CUT AV DIST TO DUMP		FT Sta. MILE		OF MAT		1.045 1.006	gms/liter gms/liter	AV VOL OF BIN WATE AV UNFILLED CAPAC			0	CU YDS CU YDS
	OTHER DREDGING A							INV ONI ILLED CAI AC	111		0	CO IDS
	RAI	DAR, DIGITAL	GYRO C	OMPASS	INTERFACED WI	ITH DIFFE	RENTIAL GPS, DI	SPLAYED WITH HYPA	CK			
		VORK PERFO	RMED		401747110		DRAFT FOR LOAI	D NO		-	AVG	555
NO OF LOADS	DREDGING AND HAUI TOT CU YDS	DISPOSAL	AREA	1	AGITATING TOT CU YDS		FORWARD		LIGI 8		LOA 1	DED 6
2	5,270			Today:	0		AFT		10		1	
Previous Total	384,710	Mobile 102	2-SW	Prev:	0		DRAG DEPTH INDICATORS LAS	T CHECKED ON			8/4/2017	
148	389,980			To Date:	0		GAS INJECTORS				0/4/2011	
					DISTRIBUTIO	ON OF TIM		NING AND HALILING			MILES RU	N.
					GITATING (Minutes)		DREDG	GING AND HAULING (Minutes)			(Stat. Miles	
FFECTIVE WORK PUMPING	KING TIME							0:43	43			
TURNING								0:00				
TO DUMP DUMPING								5:40 0:08	340 8			
TO CUT								3:39	219			
TOTALS ION-EFFECTIVE \	MODKING TIME							10:10	610			
	EL AND SUPPLIES	-						0:00	0			
TO AND FROM	ANCHORAGE IATURAL ELEMENTS							0:00 13:50	0 830			
LOSS DUE TO T	RAFFIC AND BRIDGE	S						0:00	0			
MINOR OPERAT	ING REPAIRS BETWEEN WORKS							0:00	0			
LAY TIME	S BETWEEN WORKS							0:00	0			
MISCELLANEOU	IS							0:00	0			
TOTALS	50							13:50	830			
OST TIME	S AND ALTERATIONS							0:00				
CESSATION	S AND ALTERATIONS	,						0:00				
COLLISIONS TOTAL LOST TI	МЕ							0:00	0			
TOTAL TIME IN F		440						0:00	U			
VERAGE SPEED	OF DREGE	FEET / MII	WIITE	-	MINUTES RADAR		D BY MEANS OF	0:00	1440			
OADING		220	NOIL		TIDE DATA WAS	OBTAINE		NOAA tide gauge at D	og River	Bridge.		
AGITATING BALS OF FUEL OI	LCONCLIMED	1/12			WEATHER:	E 25-30 I	knots, Waves 6+ ft	i .				
GALS OF WATER		1413 895			FIELD							
REMARKS:								•				
:	830 Minutes Weather											
SUBMITTED BY:									-			
					/CEE DEVE	DOE CIDE	٠,					

		ental of Hoppe W912		and Atte -0092	PER DREDGES Indant Plant			REPO ENGCW-0-13		NTROL S REP	YMBOL PORT:	40
DISTRICT		U.S. ARMY CO		-	RICT			DREDGE	M/VC	OLUMBIA		
EXACT LOCATION Mobile Ha	OF WORK rbor Ship Channel, Mol	bile AL					MAINTENANCE	DATE	N	londay, C	October 2, 2	017
	Dredge Are Sta 704+00 to 7						NEW WORK	NUMBER OF PERSO	NS IN C	REW	13	
AV LENGTH OF CU AV WIDTH OF CUT AV DIST TO DUMP	400	FT FT Sta. MILE		Y OF MAT		MATERIAL 1.045 1.006	gms/liter gms/liter	HOPPER CAPACITY AV VOL OF BIN WAT AV UNFILLED CAPAG			4387 0 0	CU YDS CU YDS CU YDS
	OTHER DREDGING A	IDS: (Describe	and inclu	ıde statem	ent on adequacy	and recomi	mendations.)	SPLAYED WITH HYPA				CO 103
		VORK PERFO		OWIT AGG	TINTERI ACED V		DRAFT FOR LOA				AVG	
	DREDGING AND HAU				AGITATING					HT		.DED
NO OF LOADS	TOT CU YDS	DISPOSAL	AREA		TOT CU YDS		FORWARD			3		6
0 Draviana Tatal	0	Mahila 400	CIA	Today:	0		AFT DEAC DEPTH		1	0	1	6
Previous Total 148	389,980	Mobile 102	2-500	Prev:	0		DRAG DEPTH INDICATORS LAS	T CHECKED ON			8/4/2017	
148	389,980			To Date:	0		GAS INJECTORS				0/4/2017	
140	303,300			TO Date.	DISTRIBUT	ION OF TIM		USLD				
				A	GITATING	1011 01 1111		SING AND HAULING			MILES RUI	N
					(Minutes)			(Minutes)			(Stat. Miles	
EFFECTIVE WORK	ING TIME											
PUMPING								0:00	0			
TURNING TO DUMP								0:00 0:00	0			
DUMPING								0:00	0			
TO CUT								0:00	0			
TOTALS								0:00	0			
NON-EFFECTIVE V												
	L AND SUPPLIES							0:00	0			
TO AND FROM A	ANCHORAGE ATURAL ELEMENTS							0:00 0:00	0 1440			
	RAFFIC AND BRIDGE	S						0:00	0			
MINOR OPERAT								0:00	0			
	BETWEEN WORKS							0:00	0			
LAY TIME								0:00	0			
MISCELLANEOU	IC							0:00 0:00	0			
TOTALS								0:00	1440			
LOST TIME								0.00	1110			
	S AND ALTERATIONS							0:00				
CESSATION								0:00				
COLLISIONS	45							0:00				
TOTAL LOST TIN		440						0:00	0			
AVERAGE SPEED		110			MINUTES RADA	R IN USE		0:00	1440			
LOADING	-	FEET / MIN 220	NUTE				D BY MEANS OF	NOAA tide gauge at [Bridge		
AGITATING		220			WEATHER:	E 25-30 I	nots, Waves 6+ fl	3 3	og ravor	Bridge.		
GALS OF FUEL OIL	CONSUMED	105										
GALS OF WATER (CONSUMED	1009			FIELD							
REMARKS:												
1	1440 Minutes Weather											
SUBMITTED BY:												
					(OFF DEL							

		ental of Hoppe W912		and Atte -0092	PER DREDGES Indant Plant			REPO ENGCW-0-13		NTROL S REF	YMBOL PORT:	41
DISTRICT		U.S. ARMY C	DE, MOB	ILE DISTF	RICT			DREDGE	M/VC	OLUMBIA	A	
EXACT LOCATION Mobile Ha	OF WORK	bile AL					MAINTENANCE	DATE	т	uesday,	October 3, 2	2017
	Dredge Are Sta 704+00 to 7					_ 	NEW WORK	NUMBER OF PERSO	NS IN C	REW	13	
AV LENGTH OF CL		FT			CHARACTER OF			HOPPER CAPACITY			4387	CU YDS
AV WIDTH OF CUT AV DIST TO DUMP		FT Sta. MILE		Y OF MAT		1.045 1.006	gms/liter gms/liter	AV VOL OF BIN WAT			0	CU YDS
	OTHER DREDGING A	DAR, DIGITAL	GYRO C				RENTIAL GPS, DI	SPLAYED WITH HYP	ACK			
	V DREDGING AND HAU	VORK PERFOI	RMED		AGITATING		DRAFT FOR LOAI	D NO	110	SHT	AVG	DED
NO OF LOADS	TOT CU YDS	DISPOSAL	AREA		TOT CU YDS		FORWARD			8		6
0	0	M 1 11 404		Today:	0		AFT		1	0	1	6
Previous Total 148	389.980	Mobile 102	2-SW	Prev:	0		DRAG DEPTH INDICATORS LAS	ST CHECKED ON			8/4/2017	
148	389,980			To Date:	0		GAS INJECTORS				0/ 1/2011	
				^	DISTRIBUT GITATING	ION OF TIM		SING AND HAULING		1	MILES RU	N.I.
					(Minutes)		DREDG	(Minutes)			(Stat. Miles	
EFFECTIVE WORK	(ING TIME							0.00	0			
PUMPING TURNING								0:00 0:00	0			
TO DUMP								0:00	0			
DUMPING TO CUT								0:00 0:00	0			
TOTALS								0:00	0			
NON-EFFECTIVE V	WORKING TIME EL AND SUPPLIES	•						0:00	0			
TO AND FROM A	ANCHORAGE							0:00	0			
	IATURAL ELEMENTS RAFFIC AND BRIDGE	Q						0:00 0:00	1440 0			
MINOR OPERAT	ING REPAIRS	0						0:00	0			
TRANSFERRING LAY TIME	BETWEEN WORKS							0:00 0:00	0			
								0:00	0			
MISCELLANEOU	JS							0:00	0			
TOTALS LOST TIME								0:00	1440			
	S AND ALTERATIONS							0:00				
CESSATION COLLISIONS								0:00 0:00				
TOTAL LOST TIM								0:00	0			
TOTAL TIME IN F AVERAGE SPEED		440			MINUTES RADA	DINITION		0:00	1440			
LOADING	OF DREGE	FEET / MII 220	NUTE				ED BY MEANS OF GAGE:	NOAA tide gauge at E		Bridge.		
AGITATING					WEATHER:	E 25-30 I	knots, Waves 6+ ft					
GALS OF FUEL OII GALS OF WATER (311 1083			FIELD							
REMARKS:	OOINOOMED	1000			I ILLD							
	1440 Minutes Weather	•										
SUBMITTED BY:												

		ental of Hoppe W912		and Atte -0092	PER DREDGES Indant Plant			REPO ENGCW-0-13		NTROL S REF	YMBOL PORT:	42
DISTRICT		U.S. ARMY C	DE, MOB	ILE DISTE	RICT			DREDGE	M/VC	OLUMBIA	A.	
EXACT LOCATION Mobile Ha	OF WORK rbor Ship Channel, Mo	bile AL					MAINTENANCE	DATE			, October 4,	2017
	Dredge Are Sta 704+00 to 7					Ī	NEW WORK	NUMBER OF PERSO	NS IN CF	REW	13	
AV LENGTH OF CL		FT			CHARACTER OF			HOPPER CAPACITY			4387	CU YDS
AV WIDTH OF CUT AV DIST TO DUMP		FT Sta. MILE		Y OF MAT		1.045	gms/liter gms/liter	AV VOL OF BIN WAT AV UNFILLED CAPAC			0	CU YDS
	OTHER DREDGING A	IDS: (Describe	and inclu	ide statem	nent on adequacy a	and recomi	mendations.) RENTIAL GPS, DI	SPLAYED WITH HYP				
	V Dredging and hau	VORK PERFOI	RMED		AGITATING		DRAFT FOR LOAI	D NO	LIG	HT	AVG	DED
NO OF LOADS	TOT CU YDS	DISPOSAL	AREA		TOT CU YDS		FORWARD	-		3		6
0	0			Today:	0		AFT		1	0	1	6
Previous Total 148	389.980	Mobile 102	2-SW	Prev:	0		DRAG DEPTH INDICATORS LAS	ST CHECKED ON			8/4/2017	
148	389,980			To Date:	0		GAS INJECTORS				0/4/2017	
				^	DISTRIBUTION GITATING	ON OF TIN		SING AND HAULING		1	MILES RU	N
					(Minutes)		DREDG	(Minutes)			(Stat. Miles	
EFFECTIVE WORK	(ING TIME							0.00	0			
PUMPING TURNING								0:00 0:00	0			
TO DUMP								0:00	0			
DUMPING TO CUT								0:00 0:00	0			
TOTALS								0:00	0			
NON-EFFECTIVE V								0.00	0			
TO AND FROM A	L AND SUPPLIES ANCHORAGE							0:00 0:00	0			
LOSS DUE TO N	IATURAL ELEMENTS							0:00	1440			
LOSS DUE TO T MINOR OPERAT	RAFFIC AND BRIDGE	S						0:00 0:00	0			
	BETWEEN WORKS							0:00	0			
LAY TIME								0:00	0			
MISCELLANEOU	JS							0:00 0:00	0			
TOTALS	,,,							0:00	1440			
LOST TIME	C AND ALTERATIONS							0.00				
CESSATION	S AND ALTERATIONS							0:00 0:00				
COLLISIONS								0:00				
TOTAL LOST TIN		440						0:00	0			
AVERAGE SPEED		440			MINUTES RADAR	R IN USE		0:00	1440			
LOADING		FEET / MII 220	NUTE					NOAA tide gauge at D	og River	Bridge.		
AGITATING GALS OF FUEL OII	CONSUMED	100			WEATHER:	Winds 2	5-30 knots, Waves	6-8 ft				
GALS OF WATER		860			FIELD							
REMARKS:								'				
	1440 Minutes Weathei	•										
SUBMITTED BY:												

		ental of Hoppe W912		e and Atte -0092	PER DREDGES endant Plant			REPO ENGCW-0-13		NTROL S REP	YMBOL PORT:	43
DISTRICT		U.S. ARMY CO			RICT			DREDGE	M / V C	OLUMBIA		
EXACT LOCATION Mobile Ha	OF WORK rbor Ship Channel, Mol	bile AL					MAINTENANCE	DATE	Th	nursday,	October 5,	2017
	Dredge Area Sta 704+00 to 7					<u>-</u>]	NEW WORK	NUMBER OF PERSO			13	
AV LENGTH OF CU AV WIDTH OF CUT	400			Y OF MAT		1.045	gms/liter	HOPPER CAPACITY AV VOL OF BIN WAT			4387 0	CU YDS CU YDS
AV DIST TO DUMP NAVIGATION AND	29.8 OTHER DREDGING A	Sta. MILE IDS: (Describe				1.006 and recomi	gms/liter mendations.)	AV UNFILLED CAPAC	CITY		0	CU YDS
				OMPASS	INTERFACED W	ITH DIFFE		SPLAYED WITH HYP	ACK			
		VORK PERFOR	RMED		4.017.4.711.10		DRAFT FOR LOAI	D NO			AVG	555
	DREDGING AND HAUI TOT CU YDS	DISPOSAL	^DE^	1	AGITATING TOT CU YDS		EODWADD.	•	LIG			DED
NO OF LOADS 3	7,905	DISPUSAL	AREA	Today:	0		FORWARD AFT			0		6
Previous Total	1,303	Mobile 102	P-SW	Today.	0		DRAG DEPTH			0		U
148	389,980	11102110 102		Prev:	0		INDICATORS LAS	ST CHECKED ON			8/4/2017	
151	397,885			To Date:	0		GAS INJECTORS					
•	,				DISTRIBUTI	ION OF TIN	ΛE					
					GITATING		DREDG	SING AND HAULING			MILES RU	N
					(Minutes)			(Minutes)			(Stat. Miles	s)
EFFECTIVE WORK	(ING TIME							4.00	00			
PUMPING TURNING								1:23 0:07	83 7			
TO DUMP								8:19	499			
DUMPING								0:12	12			
TO CUT								7:46	466			
TOTALS								17:47	1067			
NON-EFFECTIVE V												
	L AND SUPPLIES							0:00	0			
TO AND FROM A	IATURAL ELEMENTS							0:00 6:13	0 373			
	RAFFIC AND BRIDGE	S						0:00	0/0			
MINOR OPERAT								0:00	0			
	BETWEEN WORKS							0:00	0			
LAY TIME								0:00	0			
MISCELLANEOU	IS							0:00 0:00	0			
TOTALS								6:13	373			
LOST TIME								0.10	010			
	S AND ALTERATIONS							0:00				
CESSATION								0:00				
COLLISIONS								0:00				
TOTAL LOST TIN		440						0:00	0			
AVERAGE SPEED		440			MINUTES RADA	R IN LISE		0:00	1440			
LOADING	OI BREGE	FEET / MIN	NUTE				D BY MEANS OF	NOAA tide gauge at [Bridge		
AGITATING		220			WEATHER:	Winds 2		6-8 ft Diminishing	og raver	Driage.		
GALS OF FUEL OIL	CONSUMED	1026					o co mioto, maroc					
GALS OF WATER (784			FIELD							
REMARKS:												
3	373 Minutes Weather											
CLIDMITTED DV												
SUBMITTED BY:												
					OFF DEVI		-1					

		TIME	PUMP			MINU	JTES					S YARD				MID-I	DEPTH PLES	REPORT:
LOAD No.	UNWATERED	STARTED	STOPPED	PUMPING	TURNING	TO DUMP	DUMPING	то сит	TOTAL	SETTLED SOLIDS ***	SUSPENDED SOLIDS ***	BIN WATER SOLIDS	TOTAL **		PER ELAPSED MINUTE	DENSITY GMS/LITER ***	% SOLIDS (IN PLACE) ***	
152 153 154 155 156		28 623 1213 1823	56 646 1246 1847		6	165 175 171 174	4 4 4 4	28 158 148 152 135	225 360 356 354 135				2635 2635 2635 2635					
		AV	ERAGE						ECON	OMIC	LOAD	DATA						
PUMPI	NG	TIME (MINUT	ES)	ECON	OMIC L	OAD (Cu . Y				LOAD	No.		DATE	OF TEST	-	
REMAI			WHEN	10 Mini 0 0			VITH H	OPPER	RS UNV	VATER	ED, IN	DICATE	E BY L	ETTER	k "U"			
		**		CUBIC Y	YARDS METER	RETAI	NED =	SETTL	ED SO	LIDS +	SUSP	ENDED				ER SOLI	DS OR DE	ETERMINED DIRECTLY

Friday, October 6, 2017

BREAKDOWN OF LOADS DREDGED AND HAULED

		ental of Hoppo W91		e and Atte -0092	PER DREDGES endant Plant			REPO ENGCW-0-13		NTROL S REF	YMBOL PORT:	45
DISTRICT		U.S. ARMY C			RICT			DREDGE	M / V C	OLUMBI <i>A</i>	A	
EXACT LOCATION		hile Al					MAINTENANCE	DATE		-4	0-4-6-7	2047
Wobile na	arbor Ship Channel, Mo Dredge Are Sta 704+00 to 7	a 3					MAINTENANCE NEW WORK	NUMBER OF PERSO			October 7, 2 13	2017
AV LENGTH OF C		FT FT	DENSIT	Y OF MAT	I CHARACTER OF MAT ERIAL 1	ERIAI .045	L gms/liter	HOPPER CAPACITY AV VOL OF BIN WAT	ER		4387 0	CU YDS
AV DIST TO DUMP	29.8 OTHER DREDGING A	Sta. MILE				.006 recom	gms/liter mendations)	AV UNFILLED CAPAC	CITY		0	CU YDS
		•					,	ISPLAYED WITH HYP	ACK			
		VORK PERFO	RMED		ACITATING		DRAFT FOR LOA	D NO	110	LIT	AVG	DED
NO OF LOADS	TOT CU YDS	DISPOSAL	AREA		AGITATING TOT CU YDS		FORWARD		LIG 8			DED 6
1	2,635			Today:	0		AFT			0		6
Previous Total 155	408,425	Mobile 10	2-SW	Prev:	0		DRAG DEPTH INDICATORS LAS	ST CHECKED ON			8/4/2017	
156	411,060			To Date:	0		GAS INJECTORS				0/4/2017	
•	•				DISTRIBUTION (OF TI						
					GITATING (Minutes)		DREDO	GING AND HAULING (Minutes)			MILES RU (Stat. Miles	
EFFECTIVE WORK	KING TIME										,	,
PUMPING TURNING								0:28 0:00	28 0			
TO DUMP								2:52	172			
TO CUT								0:04 2:46	4 166			
TOTALS								6:10	370			
NON-EFFECTIVE								0.00				
TO AND FROM	EL AND SUPPLIES ANCHORAGE							0:00 0:55	0 55			
LOSS DUE TO N	NATURAL ELEMENTS							16:55	1015			
LOSS DUE TO T	TRAFFIC AND BRIDGE	S						0:00 0:00	0			
	G BETWEEN WORKS							0:00	0			
LAY TIME								0:00	0			
MISCELLANEO	JS							0:00 0:00	0			
TOTALS								17:50	1070			
LOST TIME	00 AND ALTERATIONS							0.00				
CESSATION	S AND ALTERATIONS	1						0:00 0:00				
COLLISIONS								0:00				
TOTAL LOST TI		440						0:00	0			
AVERAGE SPEED					MINUTES RADAR IN			0:00	1440			
I OADING		FEET / MI	NUTE		TIDE DATA WAS OB	TAIN		NOAA tida sausa -t 5	log Pive-	Dridas		
LOADING AGITATING		220			WEATHER: Wi	nds E		NOAA tide gauge at D ing, Waves 16-20 ft, Hi				
GALS OF FUEL O		560						,				
GALS OF WATER REMARKS:	CONSUMED	560			FIELD							
	55 Minutes To anf Fro 1015 Minute Weather		e									
SUBMITTED BY:												

		ental of Hoppe W912		and Atte -0092	PER DREDGES Indant Plant			REPO ENGCW-0-13		NTROL S REF	YMBOL PORT:	46
DISTRICT		U.S. ARMY C			RICT			DREDGE	M/VC	OLUMBIA	\	
EXACT LOCATION Mobile Ha	OF WORK orbor Ship Channel, Mo	bile AL					MAINTENANCE	DATE		Sunday, C	October 8, 20	017
	Dredge Are Sta 704+00 to 7						NEW WORK	NUMBER OF PERSO	NS IN CF	REW	13	
AV LENGTH OF CL	JT 9000	FT			CHARACTER OF M.			HOPPER CAPACITY			4387	CU YDS
AV WIDTH OF CUT AV DIST TO DUMP		FT Sta. MILE		Y OF MAT Y OF WAT		1.045	gms/liter gms/liter	AV VOL OF BIN WAT AV UNFILLED CAPAC			0	CU YDS
NAVIGATION AND		DAR, DIGITAL	GYRO C		, ,		RENTIAL GPS, DI	SPLAYED WITH HYP	ACK			
	V DREDGING AND HAUI	VORK PERFO	RMED		AGITATING		DRAFT FOR LOA	D NO	LIG	HT	AVG LOA	DED
NO OF LOADS	TOT CU YDS	DISPOSAL	AREA		TOT CU YDS		FORWARD			3	1	
0	0	Marking 400	0.0147	Today:	0		AFT		1	0	1	6
Previous Total 156	411,060	Mobile 102	2-SVV	Prev:	0		DRAG DEPTH INDICATORS LAS	ST CHECKED ON			8/4/2017	
156	411,060			To Date:	0		GAS INJECTORS					
				Λ	DISTRIBUTION GITATING	N OF TIM		SING AND HAULING			MILES RUI	M
					(Minutes)		DREDG	(Minutes)			(Stat. Miles	
EFFECTIVE WORK PUMPING	KING TIME							0.00	0			
TURNING								0:00 0:00	0			
TO DUMP								0:00	0			
DUMPING TO CUT								0:00 0:00	0			
TOTALS								0:00	0			
NON-EFFECTIVE V	WORKING TIME EL AND SUPPLIES							0:00	0			
TO AND FROM A	ANCHORAGE							0:00	0			
	IATURAL ELEMENTS RAFFIC AND BRIDGE	S						0:00 0:00	1440 0			
MINOR OPERAT	ING REPAIRS							0:00	0			
TRANSFERRING LAY TIME	BETWEEN WORKS							0:00 0:00	0			
								0:00	0			
MISCELLANEOU	JS							0:00	0			
TOTALS LOST TIME								0:00	1440			
MAJOR REPAIR	S AND ALTERATIONS	;						0:00				
CESSATION COLLISIONS								0:00 0:00				
TOTAL LOST TI								0:00	0			
TOTAL TIME IN F AVERAGE SPEED		440			MINILITE DADAD	NULICE		0:00	1440			
LOADING	OF DREDGE	FEET / MII 220			MINUTES RADAR TIDE DATA WAS (NOAA tide gauge at [Bridge.		
AGITATING					WEATHER: \	Winds 4	0+, Waves 10+ ft, I	Hurricane Nate				
GALS OF FUEL OIL		560 784			FIELD			I				
REMARKS:	OCITOOMED	701			11220							
	1440 Minute Weather	Hurricane Nat	е									
SUBMITTED BY:												

		ental of Hopp W91		and Atte	PER DREDGES endant Plant			REPOF ENGCW-0-13	RTS CON	ITROL SY REP		47
DISTRICT		U.S. ARMY C	OE, MOB	ILE DISTE	RICT			DREDGE	M / V CC	DLUMBIA		
EXACT LOCATION	I OF WORK							DATE				
Mobile Ha	arbor Ship Channel, Mo					MA	AINTENANCE				ctober 9, 2	2017
	Dredge Are Sta 704+00 to					NE	EW WORK	NUMBER OF PERSON	IS IN CR	ŒVV	13	
V LENGTH OF C		FT	DENIGIE		CHARACTER OF MATI		***	HOPPER CAPACITY			4387	CU YDS
V WIDTH OF CU		FT Sta. MILE		Y OF MAT Y OF WAT		.045	gms/liter gms/liter	AV VOL OF BIN WATE AV UNFILLED CAPAC			0	CU YDS CU YDS
IAVIGATION AND		•			nent on adequacy and r		•	SPLAYED WITH HYPA				
		WORK PERFO	RMED		AOITATINO	DR	RAFT FOR LOA	D NO	1.10	U.T.	AVG	DED
NO OF LOADS	DREDGING AND HAU TOT CU YDS	DISPOSAL	ARFA		AGITATING TOT CU YDS	FC	DRWARD	-	LIG 8			ADED 16
1	2,635			Today:	0	AF	T		10			16
Previous Total 156	411,060	Mobile 10	2-SW	Prev:	0		RAG DEPTH	ST CHECKED ON			8/4/2017	
156	413,695			To Date:	0		AS INJECTORS				0/4/2017	
- '	.,				DISTRIBUTION C							
					GITATING (Minutes)		DREDG	GING AND HAULING (Minutes)			MILES RU (Stat. Mile	
FFECTIVE WORK	KING TIME				(mmaco)						Totali iiiio	0)
PUMPING TURNING								0:31 0:05	31 5			
TO DUMP								2:55	175			
DUMPING TO CUT								0:04 1:08	4 68			
TOTALS								4:43	283			
ION-EFFECTIVE								0.00				
TO AND FROM	EL AND SUPPLIES ANCHORAGE							0:00 0:55	0 55			
LOSS DUE TO N	NATURAL ELEMENTS							13:18	798			
MINOR OPERAT	TRAFFIC AND BRIDGE	:S						0:00 0:00	0			
TRANSFERRING	G BETWEEN WORKS							0:00	0			
LAY TIME								0:00	0			
MISCELLANEOU	JS							5:04	304			
TOTALS								19:17	1157			
OST TIME MAJOR REPAIR	S AND ALTERATIONS	3						0:00				
CESSATION								0:00				
TOTAL LOST TI	ME							0:00	0			
TOTAL TIME IN I	PERIOD 1	440						•				
VERAGE SPEED	OF DREDGE	FEET / MI	NIITE	· · · · · ·	MINUTES RADAR IN I		BY MEANS OF	0:00	1440			
OADING		220			LIDE DATA WAS OB	· · VIIVED [NOAA tide gauge at Do	og River	Bridge.		
GITATING					WEATHER: Sou	uth Wind	ls 15 kts, Wave	s 5-6 ft, Hurricane Nat	e - Chan	nel Close	at Night	
SALS OF FUEL OF BALS OF WATER		185 672			FIELD							
REMARKS:	OCITOOIVIED	012	•		I IEED							
	798 Minutes For Hurri 55 Minutes to and Fro 304 Minutes Channel	m Dock	CG Cond	ition Zulu								
SUBMITTED BY:												

		ental of Hoppe W912		and Atte	PER DREDGES endant Plant			REPO ENGCW-0-13		NTROL S' REP	MBOL ORT:	48
DISTRICT					DICT			DREDGE	MING	OLUMBIA		
		U.S. ARMY CO	JE, MOB	ILE DISTI	RICI				M / V C	OLUMBIA		
EXACT LOCATION Mobile Ha	l OF WORK Irbor Ship Channel, Mo	bile AL					MAINTENANCE	DATE	Tu	ıesday, O	ctober 10,	2017
	Dredge Are						NEWWORK	NUMBER OF PERSO	NS IN CF	REW	- 10	
	Sta 704+00 to 7	794+00					NEW WORK				13	
AV LENGTH OF CU AV WIDTH OF CUT		FT FT	DENCIT	Y OF MAT	CHARACTER OF M		gms/liter	HOPPER CAPACITY AV VOL OF BIN WAT	rn -		4387 0	CU YDS CU YDS
AV DIST TO DUMP	29.8	Sta. MILE	DENSIT'	Y OF WAT	ΓER	1.045	gms/liter	AV UNFILLED CAPAC			0	CU YDS
NAVIGATION AND	OTHER DREDGING A	IDS: (Describe	and inclu	ude statem	nent on adequacy ar	nd recom	mendations.)					
	RAI	DAR, DIGITAL	GYRO C	OMPASS	INTERFACED WIT	H DIFFE	RENTIAL GPS, DI	SPLAYED WITH HYP	ACK			
		VORK PERFO	RMED				DRAFT FOR LOA	D NO			AVG	
NO OF LOADS	DREDGING AND HAUI TOT CU YDS	LING DISPOSAL	ADEA	1	AGITATING TOT CU YDS		FORWARD		LIG 8			DED 6
2	5,270	DISPUSAL	ANEA	Today:	0		AFT			0		6
Previous Total	440.00	Mobile 102	2-SW				DRAG DEPTH	T OUT OUT ON			0/4/0047	
157 159	413,695 418,965			Prev: To Date:	0		INDICATORS LAS GAS INJECTORS				8/4/2017	
100	410,300			TO Date.	DISTRIBUTIO	N OF TIM	ИE					
					(GITATING		DREDO	GING AND HAULING (Minutes)			MILES RU	
EFFECTIVE WORK	(ING TIME				(Minutes)			(Millutes)			(Stat. Miles	5)
PUMPING TURNING								1:02	62			
TO DUMP								0:05 5:19	5 319			
DUMPING								0:08	8			
TO CUT TOTALS								4:57 11:31	297 691			
NON-EFFECTIVE V												
TAKING ON FUE TO AND FROM A	EL AND SUPPLIES							0:00 0:00	0			
LOSS DUE TO N	IATURAL ELEMENTS							0:00	0			
LOSS DUE TO T MINOR OPERAT	RAFFIC AND BRIDGE	S						0:00 0:00	0			
TRANSFERRING	BETWEEN WORKS							0:00	0			
LAY TIME								0:00 0:00	0			
MISCELLANEOU	JS							12:29	749			
TOTALS LOST TIME								12:29	749			
	S AND ALTERATIONS	;						0:00				
CESSATION								0:00				
COLLISIONS TOTAL LOST TIME	ME							0:00	0			
TOTAL TIME IN F	PERIOD 14	440										
AVERAGE SPEED	OF DREDGE	FEET / MIN	NUTF		MINUTES RADAR TIDE DATA WAS		D BY MEANS OF	0:00	1440			
LOADING		220					GAGE:	NOAA tide gauge at [Bridge.		
AGITATING	LCONCLIMED	2227			WEATHER:	South W	inds 5 kts, Waves	calm with morning for	og			
GALS OF FUEL OIL GALS OF WATER (2337 784			FIELD							
REMARKS:					•							
7	749 Minutes Channel	Closed by US(CG Cond	lition Zulu	ı							
SUBMITTED BY:												
					/OFF DEVE	05.010.5	-1					

				BREA	KDOW	N OF L	OADS	DREDO	SED AN	ND HA	JLED					Wed	nesday,	October 11, 2017
		TIME	PUMP			MINU	JTES					YARD				MID-I	DEPTH	REPORT:
ö	ŒD											s of in p	olace n				IPLES	49
LOAD No.	UNWATERED	STARTED	STOPPED	PUMPING	TURNING	TO DUMP	DUMPING	TO CUT	TOTAL	SETTLED SOLIDS ***	SUSPENDED SOLIDS ***	BIN WATER SOLIDS	** TOTAL	PER PUMPING MINUTE	PER ELAPSED MINUTE	DENSITY GMS/LITER ***	% SOLIDS (IN PLACE) ***	
160 161 162 163		827 1419 1958	902 1450 2021	30 31 23	6	125 169 166	4 4 4	99 158 135 34	263 362 328 34				2635 2635 2635					
		A۱	ERAGE						====	101::5	10:5	D.4=:						
PUMP	ING	TIME (MINUT	ES)	ECON	OMIC L	OAD (Cu . Y		NOMIC		DATA LOAD			DATE	OF TEST	Г	
REMA	RK																	

REMARKS

408 Minutes Channel Closed by USCG Condition Zulu

45 Minutes Minor Repairs

0

NOTE:

- * WHEN LOAD IS DREDGED WITH HOPPERS UNWATERED, INDICATE BY LETTER "U"
- ** TOTAL CUBIC YARDS RETAINED = SETTLED SOLIDS + SUSPENDED SOLIDS BIN WATER SOLIDS OR DETERMINED DIRECTLY BY YARDAGE METER
- *** NOT NECESSARY WHEN MEASURING LOAD BY YARDAGE METER

		ental of Hoppe W912		e and Atte -0092	PER DREDGES endant Plant			REPO ENGCW-0-13		NTROL S' REP	YMBOL PORT:	50
DISTRICT					DICT			DREDGE	MING	OL LIMBIA		
		U.S. ARMY CO	JE, MOB	SILE DISTE	RICI				M/VC	OLUMBIA		
EXACT LOCATION Mobile Ha	OF WORK rbor Ship Channel, Mol	bile AL					MAINTENANCE	DATE	Th	ursday, C	October 12,	2017
	Dredge Area	a 3						NUMBER OF PERSO				
	Sta 704+00 to 7	94+00					NEW WORK				13	
AV LENGTH OF CU AV WIDTH OF CUT		FT FT	DENCIT	Y OF MAT	CHARACTER OF M		gms/liter	HOPPER CAPACITY AV VOL OF BIN WAT	rn -		4387 0	CU YDS CU YDS
AV DIST TO DUMP		Sta. MILE				1.045	gms/liter	AV UNFILLED CAPAC			0	CU YDS
NAVIGATION AND	OTHER DREDGING A	IDS: (Describe	and inclu	ude statem	nent on adequacy a	nd recom	mendations.)					
	RAI	DAR, DIGITAL	GYRO C	OMPASS	INTERFACED WIT	TH DIFFE	RENTIAL GPS, DI	SPLAYED WITH HYP	ACK			
		VORK PERFO	RMED				DRAFT FOR LOA	D NO			AVG	
NO OF LOADS	DREDGING AND HAUI TOT CU YDS	LING DISPOSAL	ADEA	T	AGITATING TOT CU YDS		FORWARD		LIG {			DED 6
4	10,540	DISFUSAL	ANEA	Today:	0		AFT			0		6
Previous Total	100.000	Mobile 102	2-SW				DRAG DEPTH	T 011501/50 011			01410047	
162 166	426,870 437.410			Prev: To Date:	0		INDICATORS LAS GAS INJECTORS				8/4/2017	
100	401,410			To Date.	DISTRIBUTIO	N OF TIM		OCLD				
					GITATING (Minutes)		DREDO	GING AND HAULING (Minutes)			MILES RU (Stat. Miles	
EFFECTIVE WORK	(ING TIME				(Millutes)			(Millutes)			(Stat. Willes	5)
PUMPING TURNING								2:00	120			
TO DUMP								0:05 10:48	5 648			
DUMPING								0:38	38			
TO CUT TOTALS								10:12 23:43	612 1423			
NON-EFFECTIVE V								'				
TAKING ON FUE TO AND FROM A	L AND SUPPLIES							0:00 0:00	0			
LOSS DUE TO N	IATURAL ELEMENTS							0:00	0			
LOSS DUE TO T MINOR OPERAT	RAFFIC AND BRIDGE	S						0:17 0:00	17 0			
	BETWEEN WORKS							0:00	0			
LAY TIME								0:00 0:00	0			
MISCELLANEOU	JS							0:00	0			
TOTALS								0:17	17			
LOST TIME MAJOR REPAIR:	S AND ALTERATIONS							0:00				
CESSATION								0:00				
COLLISIONS TOTAL LOST TIME	ME							0:00	0			
TOTAL TIME IN F	PERIOD 14	140										
AVERAGE SPEED	OF DREDGE	FEET / MIN	JUITE		MINUTES RADAR TIDE DATA WAS		ED BY MEANS OF	0:00	1440			
LOADING		220	NO IL		TIBE BATA WAS	ODIANI		NOAA tide gauge at [og River	Bridge.		
AGITATING	OONOUNED	0405			WEATHER:	NE Wind	s 10 kts, Waves 1	-2 ft				
GALS OF FUEL OIL GALS OF WATER (3165 1008			FIELD							
REMARKS:								'				
1	17 Minutes Traffic											
SUBMITTED BY:												
					/OFF DEVE	205 0/05	-1					

		ental of Hoppe W912		e and Atte -0092	PER DREDGES Indant Plant			REPO ENGCW-0-13		NTROL S REF	YMBOL PORT:	51
DISTRICT		U.S. ARMY C			RICT			DREDGE	M / V C	OLUMBIA	١	
EXACT LOCATION	OF WORK							DATE				
Mobile Ha	rbor Ship Channel, Mo Dredge Are						MAINTENANCE	NUMBER OF PERSO			tober 13, 20	017
	Sta 704+00 to 7						NEW WORK	INDIVIDENCE TENSO	NO IN CI	\LVV	13	
AV LENGTH OF CU AV WIDTH OF CUT	JT 9000 T 400	FT FT	DENIGITY	Y OF MAT	CHARACTER OF M.	ATERIAI 1.045	gms/liter	HOPPER CAPACITY AV VOL OF BIN WAT	ED		4387 0	CU YDS CU YDS
AV DIST TO DUMP	29.8	Sta. MILE	DENSIT	Y OF WAT	ER	1.006	gms/liter	AV UNFILLED CAPAC			0	CU YDS
NAVIGATION AND		DAR, DIGITAL	GYRO C		, ,		RENTIAL GPS, DI	SPLAYED WITH HYPA	ACK			
	V DREDGING AND HAU	VORK PERFO	RMED		AGITATING		DRAFT FOR LOA	D NO	LIG	HT	AVG LOA	DED
NO OF LOADS	TOT CU YDS	DISPOSAL	AREA		TOT CU YDS		FORWARD		8		1	
4 Dravious Total	10,540	Mobile 101	CW	Today:	0		AFT		1	0	1	6
Previous Total 166	437,410	Mobile 102	2-500	Prev:	0		DRAG DEPTH INDICATORS LAS	ST CHECKED ON			8/4/2017	
170	447,950			To Date:	0		GAS INJECTORS	USED				
				A	DISTRIBUTION GITATING	N OF TIM		SING AND HAULING			MILES RUI	N
					(Minutes)		5.125	(Minutes)			(Stat. Miles	
EFFECTIVE WORK PUMPING	KING TIME							2:03	123			
TURNING								0:14	14			
TO DUMP DUMPING								10:52 0:16	652 16			
TO CUT								10:29	629			
TOTALS NON-EFFECTIVE V	NODKING TIME							23:54	1434			
	EL AND SUPPLIES	•						0:00	0			
TO AND FROM	ANCHORAGE IATURAL ELEMENTS							0:00 0:00	0			
LOSS DUE TO T	RAFFIC AND BRIDGE	S						0:06	6			
MINOR OPERAT	ING REPAIRS BETWEEN WORKS							0:00 0:00	0			
LAY TIME	BETWEEN WORKS							0:00	0			
MISCELLANEOU	IC							0:00 0:00	0			
TOTALS	JS							0:06	6			
LOST TIME								•				
CESSATION	S AND ALTERATIONS	i						0:00 0:00				
COLLISIONS								0:00				
TOTAL LOST TIN		440						0:00	0			
AVERAGE SPEED					MINUTES RADAR		l	0:00	1440			
LOADING		FEET / MII 220			TIDE DATA WAS (OBTAINE		NOAA tide gauge at D	og River	Bridge		
AGITATING		220			WEATHER: I	NE Wind	ls 10 kts, Waves 1		og raver	Driage.		
GALS OF FUEL OIL		3122			EIEL D							
GALS OF WATER (REMARKS:	CONSUMED	672			FIELD							
	6 Minutes Traffic											
SUBMITTED BY:												

		ental of Hoppe W912		e and Atte -0092	PER DREDGES Indant Plant			REPO ENGCW-0-13		NTROL S REF	YMBOL PORT:	52
DISTRICT		U.S. ARMY C			RICT			DREDGE	M / V Co	OLUMBIA	<u> </u>	
EXACT LOCATION	OE WORK	0.0.7111111	OL, WOD	MEE DIOTI				DATE			•	
	rbor Ship Channel, Mo						MAINTENANCE				October 14,	2017
	Dredge Are Sta 704+00 to 7						NEW WORK	NUMBER OF PERSO	NS IN CF	REW	13	
AV LENGTH OF CU	JT 9000	FT	DENCIT		CHARACTER OF MA			HOPPER CAPACITY			4387	CU YDS
AV DIST TO DUMP	29.8	Sta. MILE	DENSIT		ER	1.045 1.006	gms/liter gms/liter	AV VOL OF BIN WAT AV UNFILLED CAPAC			0	CU YDS CU YDS
NAVIGATION AND		DAR, DIGITAL	GYRO C		, ,		RENTIAL GPS, DI	SPLAYED WITH HYPA	ACK			
	V DREDGING AND HAUI	VORK PERFO	RMED		AGITATING		DRAFT FOR LOA	D NO	LIG	HT	AVG	DED
NO OF LOADS	TOT CU YDS	DISPOSAL	AREA		TOT CU YDS		FORWARD		8	3	1	6
4 Previous Total	10,540	Mobile 102	2-SW	Today:	0		AFT DRAG DEPTH		1	0	1	6
170	447,950	WOODIIC 102		Prev:	0		INDICATORS LAS	T CHECKED ON			8/4/2017	
174	458,490			To Date:	0 DISTRIBUTION	LOE TIM	GAS INJECTORS	USED				
					GITATING	V OF TIM		SING AND HAULING			MILES RU	
EFFECTIVE WORK	(ING TIME				(Minutes)			(Minutes)			(Stat. Miles	s)
PUMPING								2:25	145			
TURNING TO DUMP								0:15 10:12	15 612			
DUMPING								0:16	16			
TO CUT TOTALS								10:37 23:45	637 1425			
NON-EFFECTIVE V												
TAKING ON FUE TO AND FROM A	EL AND SUPPLIES ANCHORAGE							0:00 0:00	0			
LOSS DUE TO N	IATURAL ELEMENTS							0:00	0			
MINOR OPERAT	RAFFIC AND BRIDGE ING REPAIRS	S						0:15 0:00	15 0			
TRANSFERRING	BETWEEN WORKS							0:00	0			
LAY TIME								0:00 0:00	0			
MISCELLANEOU	JS							0:00	0			
TOTALS LOST TIME								0:15	15			
MAJOR REPAIR	S AND ALTERATIONS	1						0:00				
CESSATION COLLISIONS								0:00 0:00				
TOTAL LOST TI	ME							0:00	0			
TOTAL TIME IN F AVERAGE SPEED		440			MINUTES RADAR I	NILICE		0:00	1440			
LOADING	OF DREDGE	FEET / MII 220			TIDE DATA WAS (NOAA tide gauge at D		Bridge.		
AGITATING	LOONGLIMED	2470			WEATHER: \$	SE Wind	s 10-15 kts, Wave	s 3 ft				
GALS OF FUEL OIL		3478 598			FIELD							
REMARKS:												
	15 Minutes Traffic											
SUBMITTED BY:												

		ental of Hoppo W91		e and Atte -0092	PER DREDGES endant Plant			REPO ENGCW-0-13		NTROL S REF	YMBOL PORT:	53
DISTRICT		U.S. ARMY C			RICT			DREDGE	M/VC	OLUMBIA	A	
EXACT LOCATION		Lil- Al					MAINTENANCE	DATE				2047
Wobile Ha	arbor Ship Channel, Mo Dredge Are Sta 1220+00 to 1	a 4					MAINTENANCE NEW WORK	NUMBER OF PERSO			13	2017
AV LENGTH OF C		FT FT	DENSIT	Y OF MAT	 CHARACTER OF MAT ERIAL 1	ERIA .045	L gms/liter	HOPPER CAPACITY AV VOL OF BIN WAT	ER		4387 0	CU YDS
AV DIST TO DUMP		Sta. MILE	DENSIT'	Y OF WAT	TER 1	.006	gms/liter	AV UNFILLED CAPAC			0	CU YDS
NAVIGATION AND	RA	DAR, DIGITAL	GYRO C		. ,		ERENTIAL GPS, D	ISPLAYED WITH HYP	ACK			
	DREDGING AND HAU	VORK PERFO	RMED		AGITATING		DRAFT FOR LOA	D NO	LIG	шт	AVG	DED
NO OF LOADS	TOT CU YDS	DISPOSAL	AREA		TOT CU YDS		FORWARD	-	£1G			6
6	15,810			Today:	0		AFT		1	0	1	6
Previous Total 174	458,490	Mobile 10	2-SW	Prev:	0		DRAG DEPTH INDICATORS LAS	ST CHECKED ON			8/4/2017	
180	474,300			To Date:	0		GAS INJECTORS				0/4/2011	
			1		DISTRIBUTION	OF TII					MII EO DII	
					GITATING (Minutes)		DREDO	GING AND HAULING (Minutes)			MILES RU (Stat. Miles	
EFFECTIVE WOR	KING TIME							2.20	450			
PUMPING TURNING								2:38 0:06	158 6			
TO DUMP								11:36	696			
TO CUT								0:24 8:56	24 536			
TOTALS								23:40	1420			
NON-EFFECTIVE								•				
TO AND FROM	EL AND SUPPLIES ANCHORAGE							0:00 0:00	0			
LOSS DUE TO I	NATURAL ELEMENTS							0:00	0			
MINOR OPERA	TRAFFIC AND BRIDGE	S						0:05 0:00	5 0			
	G BETWEEN WORKS							0:00	0			
LAY TIME								0:00	0			
MISCELLANEO	JS							0:00 0:15	0 15			
TOTALS								0:20	20			
LOST TIME								0.00				
CESSATION	S AND ALTERATIONS	i						0:00 0:00				
COLLISIONS								0:00				
TOTAL LOST TI		440						0:00	0			
TOTAL TIME IN AVERAGE SPEED		440			MINUTES RADAR IN	USE		0:00	1440			
	-	FEET / MI	NUTE		TIDE DATA WAS OF					5		
LOADING AGITATING		220			WEATHER: SE	Winc	GAGE: Is 10-15 kts, Wave	NOAA tide gauge at D	og River	Bridge.		
GALS OF FUEL O	L CONSUMED	3075			WEATHER. 3L	- WITTE	15 10-15 Kts, Wave	5 2 10				
GALS OF WATER	CONSUMED	561			FIELD							
	5 Minutes Traffic 15 Minutes Crewboat Load 174 from Area 4	Sta 1220+00 ²	280+00									
SUBMITTED BY:												

		ental of Hoppe W912		e and Atte -0092	PER DREDGES Indant Plant			REPO ENGCW-0-13		NTROL S REF	YMBOL PORT:	54
DISTRICT		U.S. ARMY C			RICT			DREDGE	M / V C	OLUMBIA	Δ	
EXACT LOCATION	LOE MODIC	O.O. AITWIT O	OL, WOD	ILL DIOTI				DATE	1117 1 01	JEONIDIA		
	rbor Ship Channel, Mo						MAINTENANCE	DATE			ctober 16, 2	2017
	Dredge Are Sta 1220+00 to 1						NEW WORK	NUMBER OF PERSO	NS IN CF	REW	13	
AV LENGTH OF CU	JT 6000 T 400	FT FT	DENCIT	Y OF MAT	CHARACTER OF M	ATERIAI 1.045	- gms/liter	HOPPER CAPACITY AV VOL OF BIN WAT	r D		4387 0	CU YDS CU YDS
AV DIST TO DUMP	20.3	Sta. MILE	DENSIT	Y OF WAT	ER	1.006	gms/liter	AV UNFILLED CAPAC			0	CU YDS
NAVIGATION AND	OTHER DREDGING A	,			, ,		*	SPLAYED WITH HYP	ACK			
	V DREDGING AND HAU	VORK PERFO	RMED		AGITATING		DRAFT FOR LOA	D NO	LIG	:HT	AVG LOA	DED
NO OF LOADS	TOT CU YDS	DISPOSAL	AREA		TOT CU YDS		FORWARD	-	£1G			6
5 Draviava Total	13,175	Mobile 101	CW	Today:	0		AFT		1	0	1	6
Previous Total 180	474,300	Mobile 102	2-500	Prev:	0		DRAG DEPTH INDICATORS LAS	T CHECKED ON			8/4/2017	
185	487,475			To Date:	0		GAS INJECTORS	USED				
				A	DISTRIBUTION GITATING	N OF TIM		SING AND HAULING			MILES RU	N
EEEEOTIVE WORK	(INC TIME				(Minutes)			(Minutes)			(Stat. Miles	s)
EFFECTIVE WORK PUMPING	AING TIME							2:41	161			
TURNING TO DUMP								0:06 9:15	6 555			
DUMPING								0:20	20			
TO CUT								10:37	637			
TOTALS NON-EFFECTIVE V	WORKING TIME							22:59	1379			
TAKING ON FUE	L AND SUPPLIES	•						0:00	0			
TO AND FROM A	ANCHORAGE IATURAL ELEMENTS							0:00 0:00	0			
LOSS DUE TO T	RAFFIC AND BRIDGE	S						0:18	18			
MINOR OPERAT	BETWEEN WORKS							0:00 0:00	43 0			
LAY TIME								0:00	0			
MISCELLANEOU	JS							0:00 0:00	0			
TOTALS								1:01	61			
LOST TIME	S AND ALTERATIONS	:						0:00				
CESSATION	5 AND ALTERATIONS							0:00				
COLLISIONS TOTAL LOST TI	ME							0:00	0			
TOTAL TIME IN F		440						0:00	0			
AVERAGE SPEED	OF DREDGE	FEET / MII			MINUTES RADAR TIDE DATA WAS (0:00	1440	Dida		
LOADING AGITATING		220			WEATHER: I	N Winds	25 kts, Waves 3 f	NOAA tide gauge at E	log River	Briage.		
GALS OF FUEL OI		2661					·					
GALS OF WATER (REMARKS:	CONSUMED	748			FIELD							
	18 Minutes Traffic 43 Minutes Minor Rep	air										
SUBMITTED BY:												

		ental of Hoppe W91		and Atte -0092	PER DREDGES endant Plant			ENGCW-0-13	RTS COM	NTROL S REP	YMBOL PORT:	55
DISTRICT		U.S. ARMY C	OE, MOB	ILE DISTF	RICT			DREDGE	M/VC	OLUMBIA		
EXACT LOCATION Mobile Ha	N OF WORK arbor Ship Channel, Mo Dredge Are Sta 1220+00 to	a 4					MAINTENANCE NEW WORK	DATE NUMBER OF PERSON			October 17 ,	
V LENGTH OF C		FT FT	DENSIT	Y OF MAT	CHARACTER OF MA	TERIAI 1.045	L gms/liter	HOPPER CAPACITY AV VOL OF BIN WATE	R		4387 0	CU YDS CU YDS
V DIST TO DUM		Sta. MILE	DENSIT	Y OF WAT	ER	1.006	gms/liter	AV UNFILLED CAPAC			0	CU YDS
	RA	DAR, DIGITAL	GYRO C	OMPASS	INTERFACED WITH	DIFFE	RENTIAL GPS, DI	SPLAYED WITH HYPA	ск			
		WORK PERFO	RMED				DRAFT FOR LOA	D NO			AVG	
	DREDGING AND HAU				AGITATING				LIG			ADED
NO OF LOADS	TOT CU YDS	DISPOSAL	AREA		TOT CU YDS		FORWARD		8			16
2 Previous Total	5,270	Mobile 102	2-SW/	Today:	0		AFT DRAG DEPTH		1	0		16
185	487,475	Wobile 102	2-344	Prev:	0		INDICATORS LAS	ST CHECKED ON			8/4/2017	
187	492,745			To Date:	0		GAS INJECTORS					
					DISTRIBUTION	OF TI						
					GITATING (Minutes)		DREDO	GING AND HAULING (Minutes)			MILES RU (Stat. Mile	
FFECTIVE WOR	KING TIME				(IVIII lutes)			(Williates)			(Stat. IVIIIE	:3)
PUMPING								1:03	63			
TURNING								0:00	0			
TO DUMP DUMPING								4:13 0:34	253 34			
TO CUT								3:34	214			
TOTALS								9:24	564			
ON-EFFECTIVE		_										
TAKING ON FUI	EL AND SUPPLIES							4:25 3:16	265 196			
	NATURAL ELEMENTS							0:00	196			
	TRAFFIC AND BRIDGE	S						0:00	0			
MINOR OPERA	TING REPAIRS							0:00	0			
LAY TIME	G BETWEEN WORKS							0:00 0:00	0			
LAT TIME								0:00	0			
MISCELLANEO	US							6:55	415			
TOTALS								14:36	876			
OST TIME	RS AND ALTERATIONS							0:00				
CESSATION	AND ALTERATIONS	· · · · · · · · · · · · · · · · · · ·						0:00				
COLLISIONS								0:00				
TOTAL LOST TI		440						0:00	0			
TOTAL TIME IN VERAGE SPEED		440			MINUTES RADAR IN	LUSE	<u> </u>	0:00	1440			
WEINIGE SPEED	OI DIVEDGE	FEET / MII	NUTE		TIDE DATA WAS OF		D BY MEANS OF	0.00	1440			
OADING.		220						NOAA tide gauge at D	og River	Bridge.		
GITATING					WEATHER: N	E Wind	ls 10 kts, Waves 2	ft				
SALS OF FUEL OF		1000			EIEL D							
REMARKS:	CONSUMED	748			FIELD							
	196 Minutes To / Fron 265 Minutes Fuel, Wa 415 Minutes Misc. Sh	ter, and Suppl										
SUBMITTED BY:												

		ental of Hoppe W912		e and Atte -0092	PER DREDGES Indant Plant			REPO ENGCW-0-13		NTROL S REF	YMBOL PORT:	56
DISTRICT		U.S. ARMY C			RICT			DREDGE	M / V C	OLUMBIA	<u> </u>	
EXACT LOCATION	I OE WORK	0.0.711101	oe, wob	MEE DIOTI				DATE		020111.017		
	rbor Ship Channel, Mo						MAINTENANCE				October 18	, 2017
	Dredge Area Sta 1220+00 to 1	1280+00				l	NEW WORK	NUMBER OF PERSO	NS IN CF	REW	13	
AV LENGTH OF CU	Sta 704+00 to 7 JT 6000	794+00 FT		(CHARACTER OF N	MATERIAL		HOPPER CAPACITY			4387	CU YDS
AV WIDTH OF CUT AV DIST TO DUMP	Г 400	FT Sta. MILE		Y OF MAT		1.045	gms/liter gms/liter	AV VOL OF BIN WAT AV UNFILLED CAPAC			0	CU YDS CU YDS
	OTHER DREDGING A							AV UNFILLED CAFAC) T		0	COTDS
	RA	DAR, DIGITAL	GYRO C	OMPASS	INTERFACED WI	TH DIFFE	RENTIAL GPS, DI	SPLAYED WITH HYPA	ACK			
	V DREDGING AND HAU	VORK PERFO	RMED		AGITATING		DRAFT FOR LOA	D NO	LIG	·UT	AVG	DED
NO OF LOADS	TOT CU YDS	DISPOSAL	AREA		TOT CU YDS		FORWARD	-		3 3		6
5 Previous Total	13,175	Mobile 102	2.S/W	Today:	0		AFT DRAG DEPTH		1	0	1	6
187	492,745	WODIIE 102	-500	Prev:	0		INDICATORS LAS	ST CHECKED ON			8/4/2017	
192	505,920			To Date:	0 DISTRIBUTIO	NI OE TIN	GAS INJECTORS	USED				
					GITATING	N OF TH		SING AND HAULING			MILES RU	
EFFECTIVE WORK	(ING TIME				(Minutes)			(Minutes)			(Stat. Miles	S)
PUMPING TURNING								2:35 0:00	155 0			
TO DUMP								11:31	691			
DUMPING TO CUT								0:20 9:34	20 574			
TOTALS								0:00	1440			
NON-EFFECTIVE V	WORKING TIME EL AND SUPPLIES	•						0:00	0			
TO AND FROM A	ANCHORAGE							0:00	0			
	IATURAL ELEMENTS RAFFIC AND BRIDGE	S						0:00 0:00	0			
MINOR OPERAT	ING REPAIRS							0:00	0			
LAY TIME	BETWEEN WORKS							0:00 0:00	0			
MICOELLANGO	10							0:00	0			
MISCELLANEOU TOTALS	JS							0:00	0			
LOST TIME	0 4445 44 7554710410											
CESSATION	S AND ALTERATIONS	j						0:00 0:00				
COLLISIONS								0:00				
TOTAL LOST TIN		440						0:00	0			
AVERAGE SPEED		FEET / MII	JUITE		MINUTES RADAR		D BY MEANS OF	0:00	1440			
LOADING		220			TIDE DATA WAS	OBTAINE		NOAA tide gauge at D	og River	Bridge.		
AGITATING	LOONGLIMED	2202			WEATHER:	NE Wind	s 10 kts, Waves 2	ft				
GALS OF FUEL OIL GALS OF WATER		3383 561			FIELD							
REMARKS:								•				
	Load 192 Dredged fro	m Area 3 Sta 7	'04+00 to	794+00.								
SUBMITTED BY:												

		ental of Hoppe W912		and Atte -0092	PER DREDGES Endant Plant			REPO ENGCW-0-13		NTROL S REF	YMBOL PORT:	57
DISTRICT		U.S. ARMY C			RICT			DREDGE	M/VC	OLUMBIA	A.	
EXACT LOCATION Mobile Ha	OF WORK	bile Al					MAINTENANCE	DATE	Th	ursdav. (October 19,	2017
	Dredge Are Sta 1220+00 to 1	a 4					NEW WORK	NUMBER OF PERSO			13	
AV LENGTH OF C	JT 6000	FT			CHARACTER OF M			HOPPER CAPACITY			4387	CU YDS
AV WIDTH OF CUT AV DIST TO DUMP		FT Sta. MILE		Y OF MAT		1.045	gms/liter gms/liter	AV VOL OF BIN WAT AV UNFILLED CAPAC			0	CU YDS
NAVIGATION AND		DAR, DIGITAL	GYRO C				RENTIAL GPS, DI	SPLAYED WITH HYP	ACK			
	V DREDGING AND HAUI	VORK PERFO	RMED		AGITATING		DRAFT FOR LOA	D NO	LIG	HT	AVG	DED
NO OF LOADS	TOT CU YDS	DISPOSAL	AREA		TOT CU YDS		FORWARD	-	8	3	1	6
6 Previous Total	15,810	Mobile 102	C/V/	Today:	0		AFT DRAG DEPTH		1	0	1	6
192	505,920	Mobile 102	2-300	Prev:	0		INDICATORS LAS	T CHECKED ON			8/4/2017	
198	521,730			To Date:			GAS INJECTORS	USED				
					DISTRIBUTION GITATING (Minutes)	N OF TIM		GING AND HAULING (Minutes)			MILES RU	
EFFECTIVE WORK	(ING TIME				(**************************************						(0.000	-/
PUMPING TURNING								2:28 0:11	148 11			
TO DUMP								10:16	616			
DUMPING TO CUT								0:24 10:31	24 631			
TOTALS								23:50	1430			
NON-EFFECTIVE \	WORKING TIME EL AND SUPPLIES	i						0:00	0			
TO AND FROM A	ANCHORAGE							0:00	0			
	IATURAL ELEMENTS RAFFIC AND BRIDGE	Q						0:00 0:10	0 10			
MINOR OPERAT	ING REPAIRS	0						0:00	0			
TRANSFERRING LAY TIME	BETWEEN WORKS							0:00 0:00	0			
								0:00	0			
MISCELLANEOU TOTALS	JS							0:00	0 10			
LOST TIME								0:10	10			
MAJOR REPAIR CESSATION	S AND ALTERATIONS							0:00				
COLLISIONS								0:00 0:00				
TOTAL LOST TII								0:00	0			
TOTAL TIME IN F AVERAGE SPEED		440			MINUTES RADAR	IN USF		0:00	1440			
LOADING	o. B.(EBGE	FEET / MII 220	NUTE		TIDE DATA WAS (NOAA tide gauge at D		Bridge.		
AGITATING	LOONOUMED	4005			WEATHER: I	NE Wind	s 10 kts, Waves 2	ft				
GALS OF FUEL OF		4235 748			FIELD			The state of the s				
REMARKS:	00.10025				j. 1225			L				
	10 Minutes Traffic											
SUBMITTED BY:												

		ental of Hoppe W912		e and Atte -0092	ER DREDGES ndant Plant			REPO ENGCW-0-13		NTROL S REF	YMBOL PORT:	58
DISTRICT		U.S. ARMY C			RICT			DREDGE	M / V C	OLUMBIA	١	
EXACT LOCATION		L.U. Al					MAINTENANOE	DATE			-1-100.0	0.17
Mobile Ha	arbor Ship Channel, Mo Dredge Are	a 4					MAINTENANCE	NUMBER OF PERSO			tober 20, 2	017
	Sta 1220+00 to 1					l 	NEW WORK				13	
AV LENGTH OF CU AV WIDTH OF CUT	Г 400			Y OF MAT		1.045	gms/liter	HOPPER CAPACITY AV VOL OF BIN WAT			4387 0	CU YDS CU YDS
AV DIST TO DUMP NAVIGATION AND	20.3 OTHER DREDGING A	Sta. MILE IDS: (Describe				1.006 nd recom	gms/liter mendations.)	AV UNFILLED CAPAC	CITY		0	CU YDS
		,					,	SPLAYED WITH HYPA	ск			
		VORK PERFO	RMED		ACITATING		DRAFT FOR LOA	D NO	110	UT	AVG	DED
NO OF LOADS	DREDGING AND HAU TOT CU YDS	DISPOSAL	AREA		AGITATING TOT CU YDS		FORWARD	-	LIG {	<u> </u>		DED 6
5 Previous Total	13,175	Mobile 102	2 6/1/	Today:	0		AFT DRAG DEPTH		1	0	1	6
198	521,730	Mobile 102	2-300	Prev:	0		INDICATORS LAS	ST CHECKED ON			8/4/2017	
203	534,905			To Date:	0	N OF TIE	GAS INJECTORS	USED				
					DISTRIBUTIO GITATING	IN OF TIN		SING AND HAULING			MILES RU	
EFFECTIVE WORK	(ING TIME				(Minutes)			(Minutes)			(Stat. Miles	s)
PUMPING								2:59	179			
TURNING TO DUMP								0:06 10:52	6 652			
DUMPING								0:20	20			
TO CUT TOTALS								9:31 23:48	571 1428			
NON-EFFECTIVE V								•				
TO AND FROM A	EL AND SUPPLIES ANCHORAGE							0:00 0:00	0			
LOSS DUE TO N	IATURAL ELEMENTS	0						0:12	12			
MINOR OPERAT	RAFFIC AND BRIDGE ING REPAIRS	5						0:00 0:00	0			
TRANSFERRING LAY TIME	BETWEEN WORKS							0:00	0			
LAY HIVE								0:00 0:00	0			
MISCELLANEOU	JS							0:00	0			
TOTALS LOST TIME								0:12	12			
	S AND ALTERATIONS	;						0:00				
CESSATION COLLISIONS								0:00 0:00				
TOTAL LOST TIL		440						0:00	0			
TOTAL TIME IN F AVERAGE SPEED		440			MINUTES RADAR	IN USE		0:00	1440			
LOADING		FEET / MII 220			TIDE DATA WAS	OBTAINE		NOAA tide gauge at D	og River	Bridge.		
AGITATING					WEATHER:	NE Wind	s 10 kts, Waves 2		<u> </u>	<u> </u>		
GALS OF FUEL OIL		3004 1496			FIELD			1				
REMARKS:	CONCOMILD	1430			TILLD			ı				
	12 Minutes Traffic											
SUBMITTED BY:												

	TIME	PUMP			MINU	JTES					YARD s of in p				MID-I	DEPTH IPLES	REPORT: 58
LOAD No. UNWATERED	STARTED	STOPPED	PUMPING	TURNING	TO DUMP	DUMPING	то сит	TOTAL	SETTLED SOLIDS ***	SUSPENDED SOLIDS ***	BIN WATER SOLIDS	TOTAL **	PER PUMPING MINUTE	PER ELAPSED MINUTE	DENSITY GMS/LITER ***	% SOLIDS (IN PLACE) ***	
199 200 201 202 203 204	19 451 907 1339 1800 2217	51 522 937 1409 1836 2243	30	6	106 114 122 116 117 77	4 4 4 4 4	19 118 107 116 111 100	161 267 263 266 268 203				2635 2635 2635 2635 2635					
		ERAGE							OMIC								
JMPING EMARK OTE:		WHEN	12 Mino 0 0	utes Tra	affic		Cu . Y				LOAD				OF TEST		

Friday, October 20, 2017

BREAKDOWN OF LOADS DREDGED AND HAULED

BY YARDAGE METER

*** NOT NECESSARY WHEN MEASURING LOAD BY YARDAGE METER

DREDGE			W91	er Dredge 278-17-D	e and Atten -0092				ENGCW-0-13	RTS CON			59
Mobile Hastor Ship Channel, Mobile AL, Dredge Para 4, Sta 1220-00 to 1280-40 Sta 1220-00 to 1280-40 NEW WORK NEW WORK NEW WORK Sta 1220-00 to 1280-40 NEW WORK NE	DISTRICT		U.S. ARMY C	OE, MOB	ILE DISTR	СТ			DREDGE	M/VCC	LUMBIA		
Sub 120-00 to 1280-00 Size			obile AL					MAINTENANCE				ctober 21	, 2017
VIVIDATION OF CUT								NEW WORK	NUMBER OF PERSON	NS IN CR	EW	13	
AVIGATION AND OTHER DREDGING AIDS: Describe and include statement on adequacy and recommendations.) RADAR, DISTAL GYRO COMPASS INTERFACED WITH DIFFERENTIAL GPS, DISPLAYED WITH HYPACK WORK PERFORMED DREDGING AND HAULING AGITATING DRAFT FOR LOAD NO	AV WIDTH OF CUT	400	FT		Y OF MATE	RIAL	1.045	gms/liter	AV VOL OF BIN WATE			0	CU YDS CU YDS
DREDGING AND HAULING AGITATING TOT CUY DS TOT CUY DS DISPOSAL AREA TOT CUY DS FORWARD 8 16 16 16 16 16 16 16	NAVIGATION AND	OTHER DREDGING	AIDS: (Describ	e and inclu	ude stateme	ent on adequacy and	d recomm	nendations.)				U	60 103
NO OF LOADS TOT CLI YUS DISPOSAL AREA TOT CLI YOS FORWARD 8 16 3	***		WORK PERFO	RMED				DRAFT FOR LOA	D NO				
DICTAINS TOTAL PROPERTY TOTAL PROP													
Previous fotal No.			DISPOSA	AREA	Today								
203 S\$4,905 Prev: 0 INDICATORS LAST CHECKED ON B4/2017		7,000	Mobile 10	2-SW	Today.			DRAG DEPTH		- "			
AGITATING DREDGING AND HAULING MILES RUN (Stat. Miles) Miles R	203											8/4/2017	
AGITATING DREDGING AND HALLING MILES RUN (Minutes) (Minu	206	542,810			To Date:				USED				
SPECITIVE WORKING TIME						GITATING	VOP IIIV						
TURNING TO DUMP		KING TIME											
TO DUMP 424 284 012 12 TO CUT					_								-
TO QUT TO TALE									4:24	264			
10.27 627													
NON-EFFECTIVE WORKING TIME					_		-			THE RESERVE TO SHARE THE PARTY OF THE PARTY	_		
13:33 813 13:30 13:30 13:33 813 13:30	NON-EFFECTIVE V								0:00	0			
COS DUE TO TRAFFIC AND BRIDGES 0.00 0													_
MINIOR OPERATING REPAIRS 0.00 0 TRANSFERRING BETWEEN WORKS 0.00 0 LAY TIME 0.00 0 MISCELLANEOUS 0.00 0 TOTALS 13:33 813 OST TIME 0.00 0 MAJOR REPAIRS AND ALTERATIONS 0.00 0 CESSATION 0.00 0 COLLISIONS 0.00 0 COLLISIONS 0.00 0 TOTAL TIME IN PERIOD 1440 0.00 0 WERAGE SPEED OF DREDGE MINUTE TIDE DATA WAS OBTAINED BY MEANS OF GAGE: NOAA tide gauge at Dog River Bridge. AGITATING WEATHER: E Winds 20-30 kts, Waves 5-7 ft SALS OF FUEL OIL CONSUMED 1122 FIELD SUBMITTED BY:					_								
LAYTIME	MINOR OPERAT	TING REPAIRS											
DOC D D		BETWEEN WORKS	3				_	-					-
TOTALS .OST TIME	LAY TIME				_						_		
OST TIME	MISCELLANEOL	JS											
MAJOR REPAIRS AND ALTERATIONS 0.00									13:33	813			
CESSATION COLLISIONS C		S AND ALTERATION	8		_				0:00	_			
TOTAL TIME IN PERIOD 1440 AVERAGE SPEED OF DREDGE		O AND ALTERATION						_	0:00				
TOTAL TIME IN PERIOD 1440 AVERAGE SPEED OF DREDGE MINUTE TIDE DATA WAS OBTAINED BY MEANS OF GAGE: NOAA tide gauge at Dog River Bridge. LOADING 220 GAGE: NOAA tide gauge at Dog River Bridge. AGITATING WEATHER: E Winds 20-30 kts, Waves 5-7 ft GALS OF FUEL OIL CONSUMED 1072 GALS OF FUEL OIL CONSUMED 1122 FIELD SALS OF WATER CONSUMED 1122 FIELD SUBMITTED BY:	COLLISIONS												
AVERAGE SPEED OF DREDGE FEET / MINUTE LOADING			1440						0:00	0			
COADING SAGE: NOAA tide gauge at Dog River Bridge. MEATHER: E Winds 20-30 kts, Waves 5-7 ft GALS OF FUEL OIL CONSUMED 1072 GALS OF WATER CONSUMED 1122 FIELD REMARKS: 813 Minutes Weather SUBMITTED BY:			1740					en tradestari		1440			
AGITATING BALS OF FUEL OIL CONSUMED 1072 GALS OF WATER CONSUMED 1122 FIELD 813 Minutes Weather SUBMITTED BY:	N. S. S. S.				7 1	TIDE DATA WAS C	DBTAINE			an Divi	Deld		
GALS OF FUEL OIL CONSUMED 1072 GALS OF WATER CONSUMED 1122 FIELD REMARKS: 813 Minutes Weather SUBMITTED BY:			22	0		WEATHER: E	Winde			og River	ъподе.		
GALS OF WATER CONSUMED 1122 FIELD REMARKS: 813 Minutes Weather SUBMITTED BY:		L CONSUMED	107	2		VEATHER.	- Trillus	LU-OU NIS, WAVES					
813 Minutes Weather SUBMITTED BY:						FIELD							
(SEE REVERSE SIDE)	REMARKS:												
(SEE REVERSE SIDE)													
(SEE REVERSE SIDE)													
						(SEF REVER	SE SIDE	9					

	TIME	PUMP	BREA	KDOW	N OF L	5	REDG	ED AN	Fty	CUBIC	YARD			MID-	turday, O DEPTH IPLES	ctober 21, 2017 REPORT: 59
LOAD No. UNWATERED	STARTED	STOPPED	PUMPING	TURNING	TO DUMP	DUMPING	TO CUT	TOTAL		SUSPENDED SOLIDS ***	BIN WATER 9 9 SOLIDS 11	TOTAL **	PER ELAPSED MINUTE	DENSITY GMS/LITER ***	% SOLIDS (IN PLACE)	39
204 205 206 207	254 707	325 735	31 28		44 103 117	4 4 4	126 115 51	48 264 264 51				2635 2635 2635				
JMPING E MARK	STIME (/ERAGE	ES)	inutes \	IOMIC L		Cu . Y				DATA LOAD		DATE	OF TES	T	

			The state of the s			REPO ENGCW-0-13	RTS CONT	ROL SYMBO	
DISTRICT		U.S. ARMY COE, N	OBILE DISTRICT			DREDGE	M / V COL	UMBIA	
EXACT LOCATION	OF WORK arbor Ship Channel, Mo	obile Al		MAINTENA	NCE	DATE	Sur	nday, Octobe	er 22, 2017
modile 1 to	Dredge Are Sta 1220+00 to	ea 4		NEW WORL		NUMBER OF PERSO			13
AV LENGTH OF C	UT 6000	FT	CHARACTER (HOPPER CAPACITY			387 CU YDS
AV WIDTH OF CU AV DIST TO DUMP	T 400 2 20.3	FT DEN Sta. MILE DEN	SITY OF MATERIAL	1.045 gms/lite 1.006 gms/lite		AV VOL OF BIN WAT AV UNFILLED CAPAC			0 CU YDS 0 CU YDS
NAVIGATION AND	OTHER DREDGING	AIDS: (Describe and	nclude statement on adequa	cy and recommendations.)		SPLAYED WITH HYPA	ск		
		WORK PERFORME		DRAFT FOR	RLOA	ND NO	Lieu		AVG
NO OF LOADS	TOT CU YDS	JLING DISPOSAL ARE	AGITATING TOT CU YD				LIGH 8		LOADED 16
1	2,635		Today: 0	AFT			10		16
Previous Total	EA2 040	Mobile 102-SW		DRAG DEP		ST CHECKED ON		PIA	/2017
206	542,810 545,445		Prev: 0					6/4	12011
			DISTRIB AGITATING	UTION OF TIME		GING AND HAULING			ES RUN
EFFECTIVE WOR	KING TIME		(Minutes)		-	(Minutes)		(Sta	t. Miles)
PUMPING	THIE THE					0:24	24		
TURNING TO DUMP						0:00 2:06	126		
DUMPING						0:04	4		
TO CUT TOTALS					_	1:08	68 222		
NON-EFFECTIVE	WORKING TIME					3.42	222		
TAKING ON FU	EL AND SUPPLIES					0:00	0		
TO AND FROM	ANCHORAGE NATURAL ELEMENTS				_	0:00 20:18	1218		
LOSS DUE TO	TRAFFIC AND BRIDG					0:00	0		
MINOR OPERA	TING REPAIRS G BETWEEN WORKS	7				0:00	0		
LAY TIME	G BETWEEN WORKS					0:00	0		
WOOD! I MEO	110					0:00	0		
MISCELLANEO	US					20:18	1218		
LOST TIME	The Assettant						-3365		
MAJOR REPAIR CESSATION	RS AND ALTERATION	S				0:00			
COLLISIONS	-					0:00			
TOTAL LOST TI						0:00	0		
TOTAL TIME IN AVERAGE SPEED		1440	MINUTES RA	DAR IN USE	-	0:00	1440		-
		FEET / MINUTI		WAS OBTAINED BY MEAN		7 A.T. 10		4.60	
LOADING AGITATING		220	WEATHER:	E Winds 20-30 kts, V		NOAA tide gauge at I	og River E	indge,	
GALS OF FUEL O	IL CONSUMED	1018	WESTINEN.	a Times Lo ou Ris, t					
GALS OF WATER		561	FIELD						
REMARKS:	1218 Minutes Weath	er							
SORMITTED BY:									
			/QEE D	EVERSE SIDE)	_				
ENG FORM 27A	A Apr 73	RE	PLACES COST FORM 27A		E US	ED.		-	

agreniuk@dutragrou p.com 2017.10.23 08:50

				BREA	KDOW	N OF L	w.7.	DREDG	ED AN			YARD	S RET	AINED			unday, O	ctober 22, 2017 REPORT:
-4		TIME P	PUMP			MINU	ITES					s of in p		aterial)		IPLES	60
LOAD No.	UNWATERED	STARTED	STOPPED	PUMPING	TURNING	TO DUMP	DUMPING	TO CUT	TOTAL	SETTLED SOLIDS ***	SUSPENDED SOLIDS ***	BIN WATER SOLIDS	TOTAL **	PER PUMPING MINUTE	PER ELAPSED MINUTE	DENSITY GMS/LITER ***	% SOLIDS (IN PLACE) ***	
207		2112	2136	24		126	4	54 14	208				2635					
UMP	ARK	TIME (ERAGE MINUT	ES) 1218 N 0	Minutes	IOMIC L	er		'ds)		TEST	DATA LOAD	No.			OF TES	т	

				ge and Atter D-0092					REPO ENGCW-0-13		NTROL SYN REPO		61
DISTRICT		U.S. ARMY	TEACHER.		ICT				DREDGE	M/VC	OLUMBIA		
EXACT LOCATION	N OF WORK		-				-		DATE				
Mobile H	arbor Ship Channel, N				8			MAINTENANCE			onday, Octo	ber 23,	2017
1.45.	Dredge A Sta 1220+00 to				Г			NEW WORK	NUMBER OF PERSO	NS IN CF	REW	13	
AV LENGTH OF C	TIT COOO		1					A STATE OF THE STA					Court of
AV WIDTH OF CU		FT	DENSI	TY OF MATE		R OF MAT	.045	gms/liter	AV VOL OF BIN WAT	ED		4387	CU YDS
AV DIST TO DUMP NAVIGATION AND		Sta. MILE	DENSI	TY OF WATE	FR	- 1	006	ame/liter	AV UNFILLED CAPAC			0	CU YDS
									SPLAYED WITH HYPA	ск			
		WORK PERFO	RMED					DRAFT FOR LOA	D NO			AVG	
	DREDGING AND HA	ULING			AGITAT	ING		BIANT TOR EOA	D NO	LIG	HT I		ADED
NO OF LOADS	TOT CU YDS	DISPOSAL	AREA	-	TOT CU			FORWARD					16
4 Previous Total	10,540	Mobile 10	12-SW	Today:		0	-	DRAG DEPTH		1	0		16
207	545,445	WICOMB TO	Z-01V	Prev:		0	-	INDICATORS LAS	ST CHECKED ON		9	/4/2017	
207	555,985	17.		To Date:		0		GAS INJECTORS					
			_		DISTR	RIBUTION	OF TIN		DINIO AND THE OTHER			11 85 -	
terminal and the second					Minutes)			DREDO	GING AND HAULING (Minutes)			ILES RU	
PUMPING	KING TIME									1	- 12		7
TURNING			F 50 - 20	3000					2:20	140		_	
TO DUMP			-				* 0 -		8:47	527			
TO CUT					25.11				0:16	16			
TOTALS							ft:		9:26 21:00	566 1260			
NON-EFFECTIVE			1		18	(1.71%)			21.00	1200			
TO AND FROM	EL AND SUPPLIES		0.81		1/	200	William		0:00	0			
	NATURAL ELEMENTS	3		1 1 1 1			100		0:00	0		_	_
LOSS DUE TO T	TRAFFIC AND BRIDG			11-00	1111			5.—.	0:20	20			
MINOR OPERAT	TING REPAIRS G BETWEEN WORKS		200						0:00	160			
LAY TIME	O DETWICEN WORKS			A 157		Was a			0:00	0			
			التخديث	- The	T. P. M.		1/8		0:00	0			
TOTALS	US			7.0		in the			0:00	0			
LOST TIME									3:00	180			
	S AND ALTERATION	S	300	10.00	Trans.	3			0:00				
CESSATION				100		2 32119			0:00				
TOTAL LOST TI	ME				21,1	108			0:00	0		_	-
TOTAL TIME IN F		1440										7	
AVERAGE SPEED	OF DREDGE	FEET/MI	NUTE			RADAR IN		D BY MEANS OF	0:00	1440			
LOADING		220			TIDE DATA	WAS OB	WHAL		NOAA tide gauge at D	og River	Bridge.		
AGITATING				V	VEATHER:	: NW	Winc	is 10 kts, Waves 2		3,000	- ingu		
GALS OF FUEL OF	CONSUMED	2809			IEI D								
GALS OF WATER REMARKS:	CONSONIED	748		- 1	IELD					_			
	20 Min Traffic 160 Min Minor Repai	rs											
SUBMITTED BY:													
						REVERSE							
ENG FORM 27A,	Apr 73		REPI A	CES COST	FORM 27	A 1 SED 6	3 JV/FI	ICH MAY BE USE	D				

	Q.	TIME F	PUMP	BREA		MINU	17.0				CUBIC	S YARI		nateria)	MID-	DEPTH IPLES	ctober 23, 2017 REPORT: 61
LOAD No.	UNWATERED	STARTED	STOPPED	PUMPING	TURNING	TO DUMP	DUMPING	TO CUT	TOTAL	SOLIDS ***	SUSPENDED SOLIDS ***	BIN WATER SOLIDS	TOTAL **	PER PUMPING MINUTE	PER ELAPSED MINUTE	DENSITY GMS/LITER ***	% SOLIDS (IN PLACE)	
208 209 210 211 212	П	200 634 1345 1807 2223	235 702 1422 1833 2248	30 28 31 26 25	5	105 114 112 124 72	4 4 4	120 115 125 109 97	264 261 278 263 194				2635 2635 2635 2635					
		AVE	RAGE						FOOT	OMIC	1045	DATA			Œ.			
JMPI	NG	TIME (M	INUTE	S) E	CONO	MIC LC	DAD (C				TEST	LOAD I	No.		DATE (OF TEST		

160 Min Minor Repairs

NOTE:

WHEN LOAD IS DREDGED WITH HOPPERS UNWATERED, INDICATE BY LETTER "U"

** TOTAL CUBIC YARDS RETAINED = SETTLED SOLIDS + SUSPENDED SOLIDS - BIN WATER SOLIDS OR DETERMINED DIRECTLY BY YARDAGE METER
*** NOT NECESSARY WHEN MEASURING LOAD BY YARDAGE METER

	DAILY R		ERATION er Dredg 278-17-D Order 00	e and Atter	ER DREDGES	<u>s</u>		REPO ENGCW-0-13		NTROL SYM REPOR		62
DISTRICT		U.S. ARMY C	100	F 777 AG-1	IICT			DREDGE	M/VC	DLUMBIA		
EXACT LOCATION	OF WORK							DATE	NO VILL			
	arbor Ship Channel, M				2	PG*	MAINTENANCE	DATE	Tu	esday, Octo	ber 24,	2017
	Dredge Ar Sta 1220+00 to						NEW WORK	NUMBER OF PERSO	NS IN CF	REW	13	
AV LENGTH OF C		FT	1		HARACTER	OF MATERIA	AL	HOPPER CAPACITY			4387	CU YDS
AV WIDTH OF CU AV DIST TO DUMP		FT Sta. MILE		Y OF MATE		1.045		AV VOL OF BIN WAT			0	CU YDS
NAVIGATION AND	OTHER DREDGING	AIDS: (Describe	e and incl	ude statem	ent on adequa	acy and recor	nmendations.)	JAV UNFILLED CAPAC	ALIT		0	CU YDS
	RA	ADAR, DIGITAL	GYRO C	OMPASS	NTERFACED	WITH DIFF	ERENTIAL GPS, DI	SPLAYED WITH HYPA	ск			
		WORK PERFO	RMED				DRAFT FOR LOA	D NO			AVG	
NO OF LOADS I	DREDGING AND HAI TOT CU YDS		ADEA		AGITATIN				LIG		LOA	ADED
6	15,810	DISPOSAL	AREA	Today:	TOT CU YE)	FORWARD		10			16
Previous Total		Mobile 10	2-SW				DRAG DEPTH				. 70. 1	
211	555,985 571,795			Prev:)		ST CHECKED ON		8/	/4/2017	
217	3/1,/93	4		To Date:		UTION OF T	GAS INJECTORS	USED				
U			la a		GITATING Minutes)			GING AND HAULING (Minutes)	= +1		LES RU	
EFFECTIVE WORL	KING TIME				This is a second		9		- 60	[0]	or. wine.	3/
PUMPING TURNING				e di 0 a				2:28	148			
TO DUMP				ne in the second		11 - 1 - 1 - 1		10:21	621			
DUMPING TO CUT				(1) (1) (1) (1) (1) (1) (1) (1) (1) (1)				0:24	607			
TOTALS								10:07	1413			
NON-EFFECTIVE			1000	35 P 1 300								
TO AND FROM	EL AND SUPPLIES ANCHORAGE		12 3 2	S. O. S. S. S.				0:00	0			
LOSS DUE TO N	NATURAL ELEMENTS			9.8	70. 38			0:00	0			
MINOR OPERAT	RAFFIC AND BRIDG	ES	V	1 1				0:27	27			
TRANSFERRING	BETWEEN WORKS		ye th .	T-1.17				0:00	0			
LAY TIME			i i di	(5/4-11-6/-)				0:00	0			
MISCELLANEOU	JS							0:00	0			
TOTALS		1	100		das Jean	17,319,47, 51	the state of the s	0:27	27			
LOST TIME	S AND ALTERATION	e	7 7 31	W. J. Territor		11.1		0.00				
CESSATION	O AND ALTERATION	0	1					0:00				
COLLISIONS	. Are			J. Park		- III		0:00				
TOTAL LOST TIL		1440			1.54.00			0:00	0			
AVERAGE SPEED					MINUTES RA			0:00	1440		-	
LOADING		FEET / MI 220			TIDE DATA V	VAS OBTAIN	ED BY MEANS OF	NO.14 (1)	-			
AGITATING		220		1	WEATHER:	NW Wir	ds 10 kts. Waves 2	NOAA tide gauge at D	og River	Bridge.	_	
GALS OF FUEL OF		2573				- 1111						
GALS OF WATER REMARKS:	CONSUMED	1122		[F	FIELD							
	27 Min Traffic											
SUBMITTED BY:			-		_							
					(SEE DE	EVERSE SIDI	E)					
ENG FORM 27A	Apr 73		REPLA	CES COST			E/ HICH MAY BE USE	D.	_			

	П	TIME F	DIMP	DIVER	n.bom		OADS	JKEDO	ED AN		CUBIC	YARD	S RET	AINED)		esday, C	october 24, 2017 REPORT:
	<u>ا</u>	TIME	OWIP	_	- 1	MINU	TES			10	In term)		IPLES	62
LOAD No.	UNWATERED	STARTED	STOPPED	PUMPING	TURNING	TO DUMP	DUMPING	TO CUT	TOTAL	SETTLED SOLIDS ***	SUSPENDED SOLIDS	BIN WATER SOLIDS	TOTAL **	PER PUMPING MINUTE	PER ELAPSED MINUTE	DENSITY GMS/LITER ***	% SOLIDS (IN PLACE) ***	
212 213 214 215 216 217 218		241 708 1158 1557 2033	313 737 1227 1643 2058	32 29 29 33 25	13	49 114 111 103 119 125	4 4 4 4 4	108 117 119 103 107 53	53 258 261 255 272 261 53				2635 2635 2635 2635 2635 2635					
JMPI	NG T	AVE	RAGE	S) F	CONO	MICLO	DAD (C				LOAD I		No.		DATE	OF TEST		
EMAF				7 Min 7 0		WIIG EC	,AU (C	. 1a	io)			ין ערט				OF TEST		

BY YARDAGE METER
*** NOT NECESSARY WHEN MEASURING LOAD BY YARDAGE METER

DISTRICT	REPORT OF OPERAT Rental of Hopper Dro W91278-1 Task Orde	dge and Att 7-D-0092			REPOR ENGCW-0-13	RTS CON	TROL SYMBOL REPORT: 64
	U.S. ARMY COE, I	THE TAX THE	RICT		DREDGE	M/V CO	DLUMBIA
EXACT LOCATION OF WORK					DATE		
Mobile Harbor Ship Channel, M	lobile AL		THE REAL PROPERTY.	MAINTENANCE			ırsday, October 26, 2017
Dredge Ar Sta 1220+00 to				NEW WORK	NUMBER OF PERSON	IS IN CR	13
AV LENGTH OF CUT 6000	FT T		CHARACTER OF MATE	RIAI	HOPPER CAPACITY		4387 CU Y
AV WIDTH OF CUT 400	FT DEN	SITY OF MA	TERIAL 1.0	45 gms/liter	AV VOL OF BIN WATE		0 CU Y
AV DIST TO DUMP 20.3 NAVIGATION AND OTHER DREDGING	Sta. MILE DEN				AV UNFILLED CAPAC	ITY	0 CU Y
			S INTERFACED WITH DI		SPLAYED WITH HYPAG	ck	
	WORK PERFORME			DRAFT FOR LOA	D NO	-	AVG
DREDGING AND HA	ULING		AGITATING	Did ii i i did 20x		LIGH	HT LOADED
NO OF LOADS TOT CU YDS	DISPOSAL ARE		TOT CU YDS	FORWARD		8	
6 15,810 Previous Total	Mobile 102-SW	Today:	0	DRAG DEPTH		10	16
222 584,970	Mobile 102-SW	Prev:	0		ST CHECKED ON		8/4/2017
228 600,780		To Date		GAS INJECTORS			3, 037,03
			DISTRIBUTION OF				400
			AGITATING (Minutes)	DRED	GING AND HAULING (Minutes)	- 4	MILES RUN (Stat. Miles)
EFFECTIVE WORKING TIME PUMPING					2:15	135	
TURNING					0:12	12	
TO DUMP	130	11256			10:41	641	
TO CUT		Marie Total		187	0:24 10:28	628	
TOTALS		1.10	and the second	ALC:	0:00	1440	
NON-EFFECTIVE WORKING TIME		1.11			2.00	-	
TAKING ON FUEL AND SUPPLIES TO AND FROM ANCHORAGE	QIA.				0:00	0	
LOSS DUE TO NATURAL ELEMENTS	S	A Jahren			0:00	0	
LOSS DUE TO TRAFFIC AND BRIDG	SES MAIN		// / -	SPEC .	0:00	0	
MINOR OPERATING REPAIRS TRANSFERRING BETWEEN WORKS	e ins				0:00	0	
LAY TIME	1150		The Land Control of the		0:00	0	
	25.5	120.7			0:00	0	
MISCELLANEOUS TOTALS	2730				0:00	0	
LOST TIME	F-(1)			0.00	0:00	- 0	
MAJOR REPAIRS AND ALTERATION	NS S		No. 26 The Control of	(9)	0:00		
CESSATION COLLISIONS		1 1			0:00		
TOTAL LOST TIME					0:00	0	-
TOTAL TIME IN PERIOD	1440		The State of the S				
AVERAGE SPEED OF DREDGE	1		MINUTES RADAR IN U		0:00	1440	
	FEET / MINUT		TIDE DATA WAS OBT		NOAA tide gauge at D	oa River	Bridge.
LOADING			WEATHER: Win	ds 5 kts, Waves 1 ft	2,1,1,2,7,3,1,1,1,1	2	9
AGITATING	3172						
LOADING AGITATING GALS OF FUEL OIL CONSUMED GALS OF WATER CONSUMED	935		FIELD				

			BREA	KDOW	N OF L	OADS I	DREDG	ED AN									October 26, 2017
	TIME F	PUMP			MINU	JTES		11				olace n				DEPTH IPLES	REPORT: 64
LOAD No. UNWATERED	STARTED	STOPPED	PUMPING	TURNING	TO DUMP	DUMPING	TO CUT	TOTAL	SOLIDS ***	SUSPENDED SOLIDS ***	BIN WATER SOLIDS	TOTAL **	PER PUMPING MINUTE	PER ELAPSED MINUTE	DENSITY GMS/LITER ***	% SOLIDS (IN PLACE)	
223 224 225 226 227 228 229	255 712 1132 1541 1948	328 742 1157 1615 2013	27 30 25 28 25	6	66 106 114 114 113 128	4 4 4 4 4	105 114 112 106 96 95	70 248 262 255 257 253 95				2635 2635 2635 2635 2635 2635					
JMPING EMARKS	TIME (Å	ERAGE MINUTE	ES)	ECONO	DMIC LC	OAD (C			ОМІС		DATA LOAD	No.		DATE	OF TEST		

DISTRICT	Rental of Hopper W9127		PPER DREDGES ttendant Plant			REPOI ENGCW-0-13	RTS CON		SYMBOL PORT:	65
	U.S. ARMY COL	50/A / TW	STRICT			DREDGE	M/VCC	DLUMBI	A	
EXACT LOCATION OF WORK Mobile Harbor Ship Channel, Mo Dredge Are	ea 4				MAINTENANCE	DATE NUMBER OF PERSON			ctober 27,	
Sta 1220+00 to AV LENGTH OF CUT 6000			CHARACTER OF MAT		NEW WORK	HOPPER CAPACITY			4387	CU YDS
AV LENGTH OF CUT 6000 AV WIDTH OF CUT 400 AV DIST TO DUMP 20.3 NAVIGATION AND OTHER DREDGING	Sta. MILE D	ENSITY OF M	ATERIAL 1	1.045	gms/liter gms/liter	AV VOL OF BIN WATE AV UNFILLED CAPAC			0	CU YDS
			SS INTERFACED WITH			SPLAYED WITH HYPA	ск			
	WORK PERFORI	MED		I	DRAFT FOR LOA	D NO			AVG	
DREDGING AND HAL		DEA I	AGITATING		FORWARD		LIG		LC	ADED
NO OF LOADS TOT CU YDS 5 13,175	DISPOSAL A	REA Toda	v: 0		FORWARD AFT		11			16
Previous Total	Mobile 102-			1	DRAG DEPTH				-	
229 584,970	-	Prev				ST CHECKED ON			8/4/201	7
233 598,145		To Da	te: 0 DISTRIBUTION		GAS INJECTORS	USED	_	_		
			AGITATING	JI IIW		GING AND HAULING			MILES F	
			(Minutes)			(Minutes)			(Stat. Mi	les)
EFFECTIVE WORKING TIME PUMPING				-		2:50	170			
TURNING			建筑原源和600 多			0:06	6			
TO DUMP	i i					11:26	686			
TO CUT	- 1			のなか		0:20 9:18	558			
TOTALS	100	Man all All				0:00	1440			
NON-EFFECTIVE WORKING TIME						7.00				
TAKING ON FUEL AND SUPPLIES TO AND FROM ANCHORAGE				100000		0:00	0			
LOSS DUE TO NATURAL ELEMENTS						0:00	0			
LOSS DUE TO TRAFFIC AND BRIDG	ES W		A Committee of the Comm	5,70%		0:00	0			
MINOR OPERATING REPAIRS		Marie Comment		CONTRACTOR OF THE PARTY OF THE		0:00	0	_		_
TRANSFERRING BETWEEN WORKS LAY TIME		700		41		0:00	0			
	17.	加速500 PG 元		7 Table		0:00	0			
MISCELLANEOUS						0:00	0	_		
TOTALS LOST TIME						0:00	U			
MAJOR REPAIRS AND ALTERATION	is a			1999		0:00				
CESSATION						0:00		-		
COLLISIONS TOTAL LOST TIME	8			2300		0:00	0			-
	1440			y				5		
AVERAGE SPEED OF DREDGE	- V2.14		MINUTES RADAR IN		D DV LIETUS SE	0:00	1440			
LOADING	FEET / MINI	UIE	TIDE DATA WAS OF	BIAINE		NOAA tide gauge at D	on River	Bridge		
AGITATING	220		WEATHER: W	linds 15	kts, Waves 3-5		-5 (410)	Stragger.		
GALS OF FUEL OIL CONSUMED	2845						22	× 1		
GALS OF WATER CONSUMED	935		FIELD							

-11		AV. 1	BREA	KDOW	N OF L	OADS	DREDG	ED AN									ctober 27, 2017
	TIME	PUMP			MINU	ITES					YARE s of in p					DEPTH MPLES	REPORT: 65
LOAD No.	STARTED	STOPPED	PUMPING	TURNING	TO DUMP	DUMPING	TO CUT	TOTAL	SETTLED SOLIDS ***	SUSPENDED SOLIDS ***	BIN WATER SOLIDS	TOTAL **	PER PUMPING MINUTE	PER ELAPSED MINUTE	DENSITY GMS/LITER ***	% SOLIDS (IN PLACE)	
229 230 231 232 233 234	4 428 848 1259 1709 2200	32 501 912 1328 1741 2230	28 27 24 29 32 30	6	124 106 113 116 137 90	4 4 4 4	4 108 117 110 101 118	160 251 258 259 274 238				2635 2635 2635 2635 2635					
MPING T		RAGE	FS)	ECONO	DMIC LC	DAD (C			ОМІС		DATA LOAD 1	No.		DATE (OF TEST		

				e and Atten 0-0092				REPOR ENGCW-0-13	RTS COM		SYMBOL PORT:	66
DISTRICT		U.S. ARMY C	11 11	The Lates	ICT			DREDGE	M/VC	DLUMBI	A	
EXACT LOCATION OF	WORK		_		-			DATE				
	r Ship Channel, M			- 10	7.7	100	MAINTENANCE	11.5			October 28	3, 2017
	Dredge Ar Sta 1220+00 to			_		1	NEW WORK	NUMBER OF PERSON	NS IN CF	REW	12	2
AV LENGTH OF CUT	6000	FT	1	C	HARACTER OF N	VATERIAL		HOPPER CAPACITY			4387	CU YDS
AV WIDTH OF CUT	400	FT		Y OF MATE		1.045	gms/liter	AV VOL OF BIN WATE AV UNFILLED CAPAC			0	CU YDS
AV DIST TO DUMP NAVIGATION AND OT	20.3 HER DREDGING			TY OF WATE		1.006 and recom	gms/liter mendations.)	JAV UNFILLED CAPAC	1) Y		u	CU YDS
	RA	ADAR, DIGITAL	GYRO	COMPASSI	NTERFACED WIT	TH DIFFE	RENTIAL GPS, DI	SPLAYED WITH HYPAG	ck			
		WORK PERFO	RMED				DRAFT FOR LOA	D NO			AVG	
	EDGING AND HAL			1	AGITATING			7.500	LIG		LO	ADED
NO OF LOADS .	TOT CU YDS 10,540	DISPOSAL	AREA	Today:	TOT CU YDS		FORWARD AFT		11			16
Previous Total	10,040	Mobile 10	2-SW	Tunay.			DRAG DEPTH				-	
233	598,145			Prev:	0		INDICATORS LA				8/4/2017	
237	608,685			To Date:	0 DISTRIBUTIO	N OF TH	GAS INJECTORS	USED				
			1	AG	DISTRIBUTIO SITATING	ON OF TIM		SING AND HAULING			MILES R	UN
			10.		Minutes)		DINCO	(Minutes)			(Stat. Mile	
EFFECTIVE WORKING	3 TIME		1					4:04	24			
PUMPING TURNING			FA961388	97/8/72 KS 70, 193		ASTRONOM S		1:21	81			
TO DUMP			正 多数的			建筑		6:40	400			
DUMPING			1.5		经制度 医伊拉氏			0:16	16			
TO CUT TOTALS			78.75					7:16 15:33	436 933	-		
NON-EFFECTIVE WOL		-	The state of	京西 <u>日第</u> 98条		語に言語		5:38	338			
TO AND FROM AND	CHORAGE		反為其的	North Table	To partie of	3.4四种位出		2:49	169			
LOSS DUE TO NAT								0:00	0			
MINOR OPERATING		E0						0:00	0			
TRANSFERRING BE			双流流	2000年	计算机器 图	(1) (四) (1)		0:00	0			
LAY TIME								0:00	0	_		
MISCELLANEOUS								0:00	0			
TOTALS			市長等時	作成為 不言語言		(A. 1915)		8:27	507			
LOST TIME	AID ALTERATION					257		0.001				
MAJOR REPAIRS A CESSATION	NO ALTERATION	8						0:00	-			
COLLISIONS				A				0:00				
TOTAL LOST TIME	100				26			0:00	0			
TOTAL TIME IN PER AVERAGE SPEED OF		1440	J.	16	MINUTES RADAR	IN USE		0:00	1440		-	
7.72.4.02.0.22.0.	B1 (25 G)	FEET / M					D BY MEANS OF	Note that the same of the same				
LOADING		220)			14H 1 4		NOAA tide gauge at D	og River	Bridge.		
AGITATING GALS OF FUEL OIL C	ONGLIMED	975	_	V	WEATHER:	Winds N	W 25 kts, Waves	3-5 ft	_			
GALS OF WATER CO		935		F	FIELD							
REMARKS:												
	Min @ 0% pay to Min @ 0% pay fu											
DUDLUTTED BY												
SUBMITTED BY:												
					(SEE REVE	DOE CING	1					
ENG FORM 27A, Ap	or 73		REPL	ACES COST			HICH MAY BE USE	ED.		_		

	Т	Т	200	5,555	BREA	NOOW	N OF L		REDG	ED AN	D HAL		YARD	S PET	AINER			turday, C	October 28, 2017 REPORT:
	9	٦	TIME	UMP			MINL	ITES		4	(s of in					/PLES	66
LOAD No.	LINIMATEDE	UNWALERED	STARTED	STOPPED	PUMPING	TURNING	TO DUMP	DUMPING	TO CUT	TOTAL	SOLIDS ***	SUSPENDED SOLIDS ***	BIN WATER SOLIDS	TOTAL **	PER PUMPING MINUTE	PER ELAPSED MINUTE	DENSITY GMS/LITER ***	% SOLIDS (IN PLACE)	
234 235 236 237 238	5		244 1539 1945	309 1611 2009	25 32 24		50 114 105 105	4 4 4 4	110 125 125 96	54 253 266 258 96				2635 2635 2635 2635					
UMP			AVE		169 Min	@ 0%	DMIC LO	and from	n dock	ds)		LOAD TEST	DATA LOAD I	No.		DATE (DF TEST		

** TOTAL CUBIC YARDS RETAINED = SETTLED SOLIDS + SUSPENDED SOLIDS - BIN WATER SOLIDS OR DETERMINED DIRECTLY

BY YARDAGE METER

NOT NECESSARY WHEN MEASURING LOAD BY YARDAGE METER

		tental of Hoppe W912				ENGCW-0-13	TS CONTRO	L SYMBOL REPORT: 67
DISTRICT		U.S. ARMY C	DE, MOB	ILE DISTRICT		DREDGE	M / V COLUM	IBIA
EXACT LOCATION OF	F WORK or Ship Channel, Mo	obile AL			MAINTENANCE	DATE	Sunday	y, October 29, 2017
	Dredge Are Sta 1220+00 to	ea 4			NEW WORK	NUMBER OF PERSON	S IN CREW	12
AV LENGTH OF CUT	400	FT FT			1.045 gms/liter	HOPPER CAPACITY AV VOL OF BIN WATE AV UNFILLED CAPACI		4387 CU YDS 0 CU YDS 0 CU YDS
IV DIST TO DUMP IAVIGATION AND O		AIDS: (Describe	and incli	Y OF WATER ude statement on adequacy and OMPASS INTERFACED WITH				0 00 100
		WORK PERFO		OIII AGO II(IEI) AGED IIIII	DRAFT FOR LOA			AVG
DF	REDGING AND HAL	JLING		AGITATING	Total Section 2		LIGHT	LOADED
NO OF LOADS	TOT CU YDS	DISPOSAL	AREA	TOT CU YDS Today: 0	FORWARD		10	16
5 Previous Total	13,175	Mobile 10	2-SW	Today: 0	DRAG DEPTH		10	1 10
237	624,495 637,670	WOONE TO		Prev: 0 To Date: 0		ST CHECKED ON SUSED		8/4/2017
				DISTRIBUTION	OF TIME			MILEO DUN
				AGITATING (Minutes)	DRED	GING AND HAULING (Minutes)	117	MILES RUN (Stat. Miles)
FFECTIVE WORKIN	NG TIME			- Prince of		- ALC: -	157	
PUMPING TURNING						2:37	0	
TO DUMP						11:34	694	
DUMPING						0:20 9:29	20 569	
TO CUT TOTALS			-			0:00	1440	
NON-EFFECTIVE WO						0:00	0	
TO AND FROM AN	NCHORAGE					0:00	0	
	TURAL ELEMENTS					0:00	0	
MINOR OPERATIN	AFFIC AND BRIDG	ES				0:00	0	
	BETWEEN WORKS					0:00	0	
LAY TIME						0:00	0	
MISCELLANEOUS	3					0:00	0	
TOTALS						0:00	0	
OST TIME	4115 41 TERATION					0:00	_	
CESSATION	AND ALTERATION	5				0:00		
COLLISIONS						0:00		
TOTAL LOST TIME		-116				0:00	0	
TOTAL TIME IN PE		1440		MINUTES RADAR II	NUSE	0:00	1440	
TIVIOL OF ELD O	J. DILLDGE	FEET / M			BTAINED BY MEANS OF			I s
OADING		220)	WEATHER: V	GAGE Vinds NW 10 kts, Waves	NOAA tide gauge at D	og River Brid	ge.
	CONSTINED	3816		WEATHER: V	vinds NVV TU KIS, VVaves	310		
AGITATING GALS OF FUEL OIL	ONSUMED	1008		FIELD				

	Ì	TIME	UMP			MINU	TES					YARD				MID-	DEPTH	ctober 29, 2017 REPORT:
LOAD No.	UNWATERED	STARTED	STOPPED	PUMPING	TURNING	TO DUMP	DUMPING	TO CUT	TOTAL	SETTLED SOLIDS ***	SUSPENDED 33	BIN WATER of SOLIDS	TOTAL **	1000	PER ELAPSED MINUTE	DENSITY GMS/LITER ***	% SOLIDS (IN PLACE)	67
238 239 240 241 242 243		13 437 858 1311 1730 2151	39 505 922 1338 1755 2218	26 28 24 27 25 27		115 122 115 116 124 102	4 4 4 4 4	13 119 107 110 112 108	158 273 250 257 265 237				2635 2635 2635 2635 2635					
UMPI	NG	AV	ERAGE MINUTE	ES)	ECON	OMIC L	OAD (юміс		DATA LOAD			DATE	OF TES	T	
EMA	2			0 0														T I

NEW WORK	CONTROL SYMBOL REPORT:	TS CON		REPOI ENGCW-0-13		ER DREDGES Indant Plant	ge and Atte D-0092		ental of Hopp W91		
Mobile Harbor Ship Channel, Mobile AL Dridge Area 4 Monday, October NEW WORK	V COLUMBIA	w/v co	M	DREDGE		IICT	BILE DISTI	COE, MOB	U.S. ARMY		DISTRICT
Diedge Area 4 Sin 1220-100 to 1280-100 Sin 12	Monday, October 30, 201	Мо		DATE	MAINTENANCE				bile AL		
AV WIDTH OF CUT 400 FT DENSITY OF MATERIAL 1045 gms/liter AV VOL OF BIN WATER 0 AV DIST TO DUMP 20.3 Sta, MLE DENSITY OF WATER 1,006 gms/liter AV UNFILLED CAPACITY 0 VAVIGATION AND OTHER DREDGING AIDS: (Describe and include statement on adequacy and recommendations.) RADAR, DIGITAL GYPO COMPASS INTERFACED WITH DIFFERENTIAL GPS, DISPLAYED WITH HYPACK WORK PERFORMED DIRAFT FOR LOAD NO AV VAVIGATION AND OTHER DREDGING AND HAULING AGITATING BASE 10 AFT AF	N CREW	S IN CRI	ONS	NUMBER OF PERSON	NEW WORK				a 4	Dredge Are	
AV DIST TO DUMP 20.3 S. 28. MILE DENSITY OF WATER 1,006 gms/liter 1,006 gms/li	4387 C							1000			AV LENGTH OF CU
RADAR, DIGITAL GYRO COMPASS INTERFACED WITH DIFFERENTIAL GPS, DISPLAYED WITH HYPACK WORK PERFORMED DREDGING AND HAULING AGITATING OF 1 CAUSE TOT CLYDS FORWARD AFT 10 1 CAUSE TOT CLYDS FORWARD AFT 10 Prev. 0 INDICATORS LIST CHECKED ON B4/2C 242 837,670 Mobile 102-SW Prev. 0 INDICATORS LIST CHECKED ON B4/2C 243 640,305 TO Date: 0 GAS INJECTORS USED DISTRIBUTION OF TIME AGITATING AGITATING (Minutes) MILES (Minutes) FEECTIVE WORKING TIME FULLIPHING TUCHNING TUCHNING O00 0 TUCHNING OO0 0 TUCHNING OO0 0 TUCHNING OO0 0 TUCHNING					gms/liter	ER 1,006	TY OF WA	DENSIT	Sta. MILE	20.3	AV DIST TO DUMP
DREDGING AND HALLING		K	ACI	ISPLAYED WITH HYPA							
NO OF LOADS	AVG			AD NO	DRAFT FOR LOA			DRMED	WORK PERFO		
1											
Previous Total Mobile 102-SW DRAG DEPTH DRAG DE			-				Today	LAREA	DISPOSA		NO OF LOADS
242 837,670 Prev: 0 INDICATORS LAST CHECKED ON 844/20. 243 640,305 To Date: 0 GAS INECTORS USED DISTRIBUTION OF TIME AGITATING (Minutes) (Minutes) (Minutes) (Minutes) (Stat. 1) PUMPING 0.00 0 0 TO DUMP 0.030 .330 DUMPING 0.017 17 TO CUT 0.00 0 0 TO TAILS 0.00 0 0 TO AND FROM ANCHORAGE 0.00 0 0 LOSS DUE TO TRAFFIC AND BRIDGES 0.00 0 0 MINCO OFFARTING REPAIRS 0.00 0 0 TRANSFERRING BETWEEN WORKS 0.00 0 0 MINCO OFFARTING REPAIRS 0.00 0 0 MINCO OFFARTING REPAIRS AND ALTERATIONS 0.00 0 0 MISCELLANEOUS 0.00 0 0 MISCELL			-		DRAG DEPTH		, oddy,	02-SW	Mobile 10	2,000	Previous Total
DISTRIBUTION OF TIME	8/4/2017										242
AGITATING			_	SUSED			To Date:			640,305	243
Precive Working Time	MILES RUN (Stat. Miles)	11	ī			GITATING	-				
TURNING TO DUMP		-			1			1		TIME	
TO DUMP DUMPING DUM					-						
TO CUT TO CUT TO CUT TO CUT TO CUT TO CUT TO TO TO TO THE CONTROL OF THE CONTROL	30	30		0:30							TO DUMP
TOTALS ION-EFFECTIVE WORKING TIME ION-EFFECTIVE WORKING TIME TAKING ON FUEL AND SUPPLIES TO AND FROM ANCHORAGE LOSS DUE TO NATURAL ELEMENTS LOSS DUE TO TRAFFIC AND BRIDGES MINOR OPFRATING REPAIRS TRANSFERRING BETWEEN WORKS LAYTIME MINOR OPFRATING REPAIRS TOTAL S MISCELLANEOUS TOTAL S MISCELLANEOUS TOTALS MISCELLANEOUS CESSATION COLLISIONS CESSATION COLLISIONS TOTAL LOST TIME MINUTES RADAR IN USE COADING MINUTES RADAR IN USE MINUTES RADAR IN USE CAGGE: NOAA lide gauge at Dog River Bridge. WEATHER: Winds NW 5 kts, Waves 1-2 ft AL 90:47 End of Task Order 0001 1393 Minutes @ 0 % Pay - End of TO 0001											
ION-EFFECTIVE WORKING TIME			_		_		_				
TO AND FROM ANCHORAGE LOSS DUE TO NATURAL ELEMENTS LOSS DUE TO TRAFFICA AND BRIDGES										RKING TIME	
LOSS DUE TO NATURAL ELEMENTS LOSS DUE TO TRAFFIC AND BRIDGES MINOR OPERATING REPAIRS C.00 0 TRANSFERRING BETWEEN WORKS LAY TIME C.00 0 MISCELLANEOUS TOTALS C.ST TIME MAJOR REPAIRS AND ALTERATIONS CESSATION COLLISIONS TOTAL LOST TIME TOTAL LOST TIME TOTAL LOST TIME TOTAL LOST TIME C.0ADING AGISTATING GAGE: NOAA lide gauge at Dog River Bridge. MEATHER: Winds NW 5 kts, Waves 1-2 ft At 00:47 End of Task Order 0001 1393 Minutes @ 0 % Pay - End of TO 0001											
LOSS DUE TO TRAFFIC AND BRIDGES C.00 0											
TRAINSFERRING BETWEEN WORKS LAYTIME 0.00 MISCELLANEOUS TOTALS 0.507 TIME MAJOR REPAIRS AND ALTERATIONS CESSATION COLLISIONS TOTAL LOST TIME TOTAL LOST TIME TOTAL TIME IN PERIOD 1440 WERAGES SPEED OF DREDGE FEET / MINUTE COADING AGITATING AGITATING MEATHER: Winds NW 5 kts, Waves 1-2 ft At 00:47 End of Task Order 0001 1393 Minutes @ 0 % Pay — End of TO 0001	Ö	0		0:00							
LAYTIME										REPAIRS	MINOR OPERATI
Discription					-	_	_			TWEEN WORKS	
TOTALS OST TIME MAJOR REPAIRS AND ALTERATIONS CESSATION COLLISIONS TOTAL LOST TIME TOTAL TIME IN PERIOD 1440 AVERAGE SPEED OF DREDGE LOADING AGITATING WEATHER: Winds NW 5 kts, Waves 1-2 ft GALS OF FUEL OIL CONSUMED 100 REMARKS: At 00:47 End of Task Order 0001 1393 Minutes @ 0 % Pay - End of TO 0001	0	0		0:00							EAT TIME
MAJOR REPAIRS AND ALTERATIONS 0:00			-	The second secon							
MAJOR REPAIRS AND ALTERATIONS CESSATION COLLISIONS TOTAL LOST TIME TOTAL TIME IN PERIOD 1440 AVERAGE SPEED OF DREDGE MINUTES RADAR IN USE LOADING AGITATING AGITATING AGITATING SALS OF FUEL OIL CONSUMED AT 00:47 End of Task Order 0001 1393 Minutes @ 0 % Pay — End of TO 0001	1393	1393	5	23:13	4			_			
CESSATION COLUSIONS COLU				0:00					3	ND ALTERATION	
TOTAL LOST TIME TOTAL TIME IN PERIOD 1440 AVERAGE SPEED OF DREDGE MINUTES RADAR IN USE 0:00 1440 AVERAGE SPEED OF DREDGE MINUTES RADAR IN USE 0:00 1440 ACTION OF TIDE DATA WAS OBTAINED BY MEANS OF GAGE: NOAA lide gauge at Dog River Bridge. ACTION OF WASTER CONSUMED 100 FIELD ACTION OF WATER CONSUMED 100 100 ACTION OF WATER CONSUMED 100 ACTION OF WATER CONSUMED 100 100 ACTION OF WATER CONSUMED 100 AC		-									
TOTAL TIME IN PERIOD 1440 AVERAGE SPEED OF DREDGE MINUTES RADAR IN USE 0:00 1440 TIDE DATA WAS OBTAINED BY MEANS OF GAGE: NOAA tide gauge at Dog River Bridge. AGITATING WEATHER: Winds NW 5 kts, Waves 1-2 ft GALS OF FUEL OIL CONSUMED 100 GALS OF WATER CONSUMED 100 FIELD At 00:47 End of Task Order 0001 1393 Minutes @ 0 % Pay — End of TO 0001	0	0	_				_				
AVERAGE SPEED OF DREDGE MINUTES RADAR IN USE 0:00 1440									440	IOD	
AGITATING WEATHER: Winds NW 5 kts, Waves 1-2 ft GALS OF FUEL OIL CONSUMED 100 GALS OF WATER CONSUMED 100 REMARKS: At 00:47 End of Task Order 0001 1393 Minutes @ 0 % Pay - End of TO 0001	1440	1440)								
AGITATING GALS OF FUEL OIL CONSUMED GALS OF FUEL OIL CONSUMED GALS OF WATER CONSUMED 100 FIELD At 00:47 End of Task Order 0001 1393 Minutes @ 0 % Pay — End of TO 0001	River Bridge.	og River	Do			TIDE DATA WAS OBTA					DADING
GALS OF FUEL OIL CONSUMED 100 FIELD GALS OF WATER CONSUMED 100 FIELD REMARKS: At 00:47 End of Task Order 0001 1393 Minutes @ 0 % Pay — End of TO 0001						WEATHER: Winds			- 22	0	
REMARKS: At 00:47 End of Task Order 0001 1393 Minutes @ 0 % Pay — End of TO 0001			-			FIFT D					GALS OF FUEL OIL
At 00:47 End of Task Order 0001 1393 Minutes @ 0 % Pay — End of TO 0001			1	- 32		FIELD		0	10	NSUMED	
SUBMITTED BY:			1				t a	0	10 Order 0001	0:47 End of Task	GALS OF FUEL OIL GALS OF WATER O REMARKS:
											SUBMITTED BY:
(SEE REVERSE SIDE)					DE)	(SEE REVERSE S					

. 0	TIME	PUMP	BREA	N. DOW	MINU		JKEDG	ED AN		CUBIC	YARD s of in p		naterial)	MID- SAN	DEPTH MPLES	ober 30, 2017 REPORT: 68
LOAD No.	STARTED	STOPPED	PUMPING	TURNING	TO DUMP	DUMPING	TO CUT	TOTAL	SOLIDS ***	SUSPENDED SOLIDS ***	BIN WATER SOLIDS	TOTAL **	PER PUMPING MINUTE	PER ELAPSED MINUTE	DENSITY GMS/LITER ***	% SOLIDS (IN PLACE) ***	
243	0	0	0		30	17	0	47				2635					
	AV	ERAGE								LOAD							

At 00:47 End of Task Order 0001 1393 Minutes @ 0 % Pay — End of TO 0001

NOTE:

- * WHEN LOAD IS DREDGED WITH HOPPERS UNWATERED, INDICATE BY LETTER "U"
- ** TOTAL CUBIC YARDS RETAINED = SETTLED SOLIDS + SUSPENDED SOLIDS BIN WATER SOLIDS OR DETERMINED DIRECTLY BY YARDAGE METER
- *** NOT NECESSARY WHEN MEASURING LOAD BY YARDAGE METER

		ental of Hopp W91		e and Atter -0092	ER DREDGES Indant Plant		*	REPOR ENGCW-0-13	RTS CONTR	ROL SYMBOL REPORT: 63
DISTRICT		U.S. ARMY C	77.03.7	N 20 20 20 20 20 20 20 20 20 20 20 20 20	ICT			DREDGE	M / V COL	UMBIA
EXACT LOCATION	OF WORK					_		DATE		Transfer of
	arbor Ship Channel, Mo						MAINTENANCE	NUMBER OF PERSON		esday, October 25, 2017
	Dredge Are Sta 1220+00 to					L	NEW WORK		NS IN CREV	13
AV LENGTH OF CU		FT	IDENCIT	Y OF MATE	HARACTER OF M	1.045	gms/liter	HOPPER CAPACITY AV VOL OF BIN WAT	p	4387 CU YDS 0 CU YDS
AV WIDTH OF CUT AV DIST TO DUMP	20.3	Sta. MILE	DENSIT	Y OF WAT	ER	1,006	gms/liter	AV UNFILLED CAPAC		0 CU YDS
NAVIGATION AND	OTHER DREDGING							SPLAYED WITH HYPA	ck	
				JOINI AGO	MILINI AGED WIII		decade and the	X		AVG
	DREDGING AND HAL	WORK PERFO	RMED		AGITATING		DRAFT FOR LOA	ID NO	LIGHT	
NO OF LOADS	TOT CU YDS	DISPOSA	AREA		TOT CU YDS		FORWARD		8	16
5	13,175	11-1-1-1	00.011	Today:	0		DRAG DEPTH		10	16
Previous Total 217	571,795	Mobile 10	12-SW	Prev:	0			ST CHECKED ON		8/4/2017
222	584,970			To Date:	0		GAS INJECTORS			
					DISTRIBUTIO	N OF TI		CINC AND HALILING		MILES RUN
					GITATING Minutes)		DRED	GING AND HAULING (Minutes)		(Stat. Miles)
EFFECTIVE WORK	KING TIME							2.40	400	
PUMPING TURNING			Tue 05	CHECK TO	SEE LONG TO	201250		2:40	160	
TO DUMP			元前四代	100	STATE OF THE PROPERTY OF	E State		10:31	631	
TO CUT			7 3 3 3 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1			of the section of		0:20 9:47	20 587	
TOTALS			7.1.7.2.5			175200		23:24	1404	
NON-EFFECTIVE			100	17 Verse - 6	7 195 7 18	556		0.00	0	
TAKING ON FUE	ANCHORAGE							0:00	0	
LOSS DUE TO N	NATURAL ELEMENTS			Hard Hard		and a		0:00	0	
MINOR OPERAT	RAFFIC AND BRIDGE	ES	(18/4) A					0:12	12	
	G BETWEEN WORKS		55 A 974 A	A PROPERTY S	进行。 丁油矿 地名 海龙	A Company		0:00	0	
LAYTIME			1000	學學院主		The second		0:00	0	
MISCELLANEOL	US				2017年1月1日 120日日 1020年1月1日			0:00	0	
TOTALS			72 33	17.0				0;36	36	
LOST TIME	S AND ALTERATION		77.00					0:00		
CESSATION	S AND ALTERATION	3						0:00		
COLLISIONS			1000					0:00	Ö	
TOTAL LOST TI		1440	1998 B.	LIA PRES		A. A.		0:00	U	
AVERAGE SPEED					MINUTES RADAR			0:00	1440	
LOADING		FEET / N			TIDE DATA WAS	ORIAIN		NOAA tide gauge at D	og River Br	ridge.
AGITATING		- 21			WEATHER:	NW Win	ds 10 kts, Waves			
GALS OF FUEL O		312			FIELD			*	-520-	
GALS OF WATER REMARKS:	CONSUMED	130	ä		FIELD	-				
	12 Min Traffic 24 Min Minor Repairs									
SUBMITTED BY:										
					(SEE REVE	RSE SIDI)			

	Г	TIME	PUMP	3765		MINU	OADS I	.,,,,,,				YARE	S RET	AINED		MID-	DEPTH	October 25, 2017 REPORT:
	ED			-		1	1			(110	s of in	place n	-		W. D.	APLES T	63
LOAD No.	UNWATERED	STARTED	STOPPED	PUMPING	TURNING	TO DUMP	DUMPING	TO CUT	TOTAL	SOLIDS ***	SUSPENDED SOLIDS ****	BIN WATER SOLIDS	TOTAL **	PER PUMPING MINUTE	PER ELAPSED MINUTE	DENSITY GMS/LITER ***	% SOLIDS (IN PLACE)	
218 219 220 221 222 223		46 534 934 1359 1812 2232	114 556 1009 1427 1837 2300	28 22 29 28 25 28	6	120 102 100 117 132 60	4 4 4 4 4	46 112 112 114 104 99	198 240 251 263 265 187				2635 2635 2635 2635 2635					
JMPI EMAI	RKS	TIME (A		12 Min 1 24 Min 1 0	Traffic Minor R	epairs	DAD (C	Cu . Yo	ds)			LOAD				DF TEST		

Mobile Harbor Ship Channel, Mobile AL	DATE		MBIA , November 20, 2017
Dredge Area 5 Sta 1280+00 to 1340+00 NEW WORK	E		November 20, 2017
AV LENGTH OF CUT 6000 FT CHARACTER OF MATERIAL AV WIDTH OF CUT 400 FT DENSITY OF MATERIAL 1.045 gms/liter AV DIST TO DUMP 19.14 Sta. MILE DENSITY OF WATER 1.006 gms/liter	NUMBER OF PERSON	IS IN CREW	111010111111111111111111111111111111111
AV WIDTH OF CUT 400 FT DENSITY OF MATERIAL 1.045 gms/liter AV DIST TO DUMP 19.14 Sta. MILE DENSITY OF WATER 1.006 gms/liter	The state of the s		12
AV DIST TO DUMP 19.14 Sta. MILE DENSITY OF WATER 1.006 gms/liter	HOPPER CAPACITY AV VOL OF BIN WATE	R	4387 CU YDS 0 CU YDS
	AV UNFILLED CAPAC		0 CU YDS
NAVIGATION AND OTHER DREDGING AIDS: (Describe and include statement on adequacy and recommendations.) RADAR, DIGITAL GYRO COMPASS INTERFACED WITH DIFFERENTIAL GPS,	DISPLAYED WITH HYPAG	к	
WORK PERFORMED DRAFT FOR L	OAD NO	LIGHT	AVG
DREDGING AND HAULING AGITATING NO OF LOADS TOT CU YDS DISPOSAL AREA TOT CU YDS FORWARD	-	LIGHT 8	LOADED 16
1 2,635 Today: 0 AFT		10	16
Previous Total Mobile 102-SW DRAG DEPTH			014/0047
2.0	LAST CHECKED ON		8/4/2017
244 642,940 To Date: 0 GAS INJECTO DISTRIBUTION OF TIME	, 10 DOLD		
AGITATING DRI	EDGING AND HAULING		MILES RUN
EFFECTIVE WORKING TIME (Minutes)	(Minutes)		(Stat. Miles)
PUMPING PUMPING	0:55	55	
TURNING	0:00	0	
TO DUMP DUMPING	3:27 0:12	207	
TO CUT	1:36	98	
TOTALS	6:10	370	
NON-EFFECTIVE WORKING TIME TAKING ON FUEL AND SUPPLIES	0:00	0	
TO AND FROM ANCHORAGE	0;00	0	
LOSS DUE TO NATURAL ELEMENTS LOSS DUE TO TRAFFIC AND BRIDGES	0:00	0	
MINOR OPERATING REPAIRS	0:00	0	
TRANSFERRING BETWEEN WORKS	4:55 0:00	295	
LAYTIME	0:00	0	
MISCELLANEOUS	12:55	775	
TOTALS	17:50	1070	
LOST TIME MAJOR REPAIRS AND ALTERATIONS	0:00		
CESSATION	0:00		
COLLISIONS TOTAL LOST TIME	0:00	0	
TOTAL LOST TIME TOTAL TIME IN PERIOD 1440	5.00		
AVERAGE SPEED OF DREDGE MINUTES RADAR IN USE	0:00	1440	
FEET / MINUTE TIDE DATA WAS OBTAINED BY MEANS LOADING 220 GAG	GE: NOAA tide gauge at D	og River Bride	ge.
AGITATING WEATHER: Winds 5 kts, Waves 1-			
GALS OF FUEL OIL CONSUMED 2866			
GALS OF WATER CONSUMED 374 FIELD REMARKS:			

(SEE REVERSE SIDE)
REPLACES COST FORM 27A, 1 SEP 63, WHICH MAY BE USED.

ENG FORM 27A, Apr 73

	0	TIME F	PUMP	T.		MINU	ITES					S YARD		nateria)	MID-	DEPTH MPLES	ember 20, 201 REPORT: 89
LOAD No.	UNWATERED	STARTED	STOPPED	PUMPING	TURNING	TO DUMP	DUMPING	TO CUT	TOTAL	SOLIDS ***	SUSPENDED SOLIDS ***	BIN WATER SOLIDS	TOTAL **	PER PUMPING MINUTE	PER ELAPSED MINUTE	DENSITY GMS/LITER ***	% SOLIDS (IN PLACE) ***	
244 245		1750 2154	1819 2220	29 26		107 100	12	0 96	148				2635					
		AVE	RAGE									100			F- (
IMPI	NG	TIME (N	IINUTF	S) I	ECONO	OMIC LO	DAD ((TEST	DATA LOAD N	Vo.		DATE (OF TEST		

775 min @ 0% Pay -- Misc Working on Task Order 2 Pascagoula 295 min @ 70 % Pay -- Transferring to and from Works

NOTE:

- * WHEN LOAD IS DREDGED WITH HOPPERS UNWATERED, INDICATE BY LETTER "U"
- ** TOTAL CUBIC YARDS RETAINED = SETTLED SOLIDS + SUSPENDED SOLIDS BIN WATER SOLIDS OR DETERMINED DIRECTLY BY YARDAGE METER
- NOT NECESSARY WHEN MEASURING LOAD BY YARDAGE METER

				e and Atter		_		REPOR	RTS CON		YMBOL PORT:	90
DISTRICT		U.S. ARMY			HCT			DREDGE	M/VCC	LUMBIA	4	
EXACT LOCATION	OF WORK				-			DATE				1.00
Mobile Ha	arbor Ship Channel, M						MAINTENANCE	AULIUNED OF DEDOOR			ovember 2	1, 2017
	Dredge Ar Sta 1280+00 to					\Box	NEW WORK	NUMBER OF PERSON	VS IN CR	EVV	13	2
AV LENGTH OF CU	UT 6000	FT	DENOIT	C C	HARACTER	R OF MATER	IAL	HOPPER CAPACITY	-D		4387	CU YDS
AV WIDTH OF CU AV DIST TO DUMP	T 400 19.14 OTHER DREDGING	Sta. MILE	DENSIT	Y OF WAT	ER	1.00	gms/liter gms/liter	AV VOL OF BIN WATE			0	CU YDS
NAVIGATION AND								ISPLAYED WITH HYPA	ск			
		WORK PERFO	RMED				DRAFT FOR LOA	AD NO			AVG	
NO OF LOADS	TOT CU YDS	DISPOSA	AREA	1	TOT CU		FORWARD		LIG 8		LO	ADED 16
6	15,810	DIGFOGA	ANCA	Today:	101 00	0	AFT		10			16
Previous Total		Mobile 10	2-SW	15 %			DRAG DEPTH	OT AUFORES OU			01/100	7
244	642,940 658,750			Prev: To Date:		0	GAS INJECTORS	ST CHECKED ON			8/4/2017	
250	636,730	-	_	TTO Date.	DISTRI	BUTION OF		3 0325				
					GITATING		DRED	GING AND HAULING			MILES R	
EFFECTIVE WORK	KING TIME				(Minutes)			(Minutes)			(Stat. Mil.	28)
PUMPING	ANTO TIME							2:27	147			
TURNING TO DUMP								0:00 9:35	575			
DUMPING					1		MATE .	0:52	52			
TO CUT			知题認識	and the family			10	9:44	584			
TOTALS NON-EFFECTIVE	MORKING TIME							22:38	1358	-		
	EL AND SUPPLIES	-	ur G					0:00	0			
TO AND FROM	ANCHORAGE							0:00	0			
	NATURAL ELEMENTS RAFFIC AND BRIDG							0:00	60			
MINOR OPERAT			5. 风色090		A CONTRACTOR OF	祖位是四月日		0:00	12			
	BETWEEN WORKS	3	E 使动物				TO THE PARTY OF TH	0:00	0			
LAY TIME		-						0:00	0			
MISCELLANEOU	JS				or a second			0:10	10			
TOTALS LOST TIME								1:22	82	_		
	S AND ALTERATION	IS	南西南部	不是理想的企				0:00				
CESSATION	7					4 (15)		0:00				
TOTAL LOST TI	ME							0:00	0			
TOTAL TIME IN	PERIOD	1440	Contract of the									
AVERAGE SPEED	OF DREDGE	FEET/M				A WAS OBTA	NED BY MEANS OF		1440	Dridge		
LOADING AGITATING		22			WEATHER:	Wind	5 kts, Waves 1-2 f	NOAA tide gauge at D	og Kiver	bridge.		
GALS OF FUEL OF	L CONSUMED	267)			.,,						
GALS OF WATER REMARKS:	CONSUMED	56	1000		FIELD							
	60 min @ 70% Pay 12 min @ 0 % Pay 10 min @ 0% Pay	Minor Repair	S									
SUBMITTED BY:										_		
					772.0-	DEL PROPERTO	D.E.L					
ENG FORM 27A	Anr 73		REPLA	ACES COS		REVERSE SI A. 1 SEP 63.	DE) WHICH MAY BE US	ED		_		

		TIME F	PUMP	BREA	KDOW	MINU		DREDG	ED AN		CUBIC	YARD s of in p				MID-	DEPTH MPLES	vember 21, 20° REPORT: 90
LOAD No.	UNWATERED	STARTED	STOPPED	PUMPING	TURNING	TO DUMP	DUMPING	TO CUT	TOTAL	SOLIDS ***	SUSPENDED SOLIDS ***	BIN WATER SOLIDS	TOTAL **	PER PUMPING MINUTE	PER ELAPSED MINUTE	DENSITY GMS/LITER ***	% SOLIDS (IN PLACE)	
245 246 247 248 249 250 251		247 712 1127 1618 2047	319 743 1155 1647 2114	32 31 28 29 27		15 105 109 126 116 104	30 4 4 4 6 4	0 109 109 99 103 106 58	45 250 253 257 254 241 58				2635 2635 2635 2635 2635 2635					
			RAGE							OMIC	LOAD	DATA						
MPIN	G T	IME (M	INUTE	S) E	CONC	MIC LC	AD (C	u . Yo	(s)		TEST I	OAD	No.		DATE C	OF TEST		

60 min @ 70% Pay - Traffic 12 min @ 0 % Pay - Minor Repairs

NOTE:

* WHEN LOAD IS DREDGED WITH HOPPERS UNWATERED, INDICATE BY LETTER "U"

** TOTAL CUBIC YARDS RETAINED = SETTLED SOLIDS + SUSPENDED SOLIDS - BIN WATER SOLIDS OR DETERMINED DIRECTLY BY YARDAGE METER

NOT NECESSARY WHEN MEASURING LOAD BY YARDAGE METER

		4.50		e and Atter -0092				REPO ENGCW-0-13	RTS CO	ITROL S'	YMBOL ORT:	91
DISTRICT		U.S. ARMY			ICT			DREDGE	M/VC	LUMBIA		
FULCTION	LOEWORK	100 m		2.22				DATE				
EXACT LOCATION Mobile H	arbor Ship Channel, M	obile AL					MAINTENANCE	DATE	Wed	nesday, N	lovember	22, 2017
	Dredge Ar	ea 5						NUMBER OF PERSON				
	Sta 1280+00 to	1340+00					NEW WORK	7.32			12	1.
AV LENGTH OF C	UT 6000	FT			HARACTER OF M			HOPPER CAPACITY			4387	CU YDS
AV WIDTH OF CU AV DIST TO DUMP	T 400	FT Sta, MILE		Y OF MATE		1.045	gms/liter gms/liter	AV VOL OF BIN WATE			0	CU YDS
	OTHER DREDGING							AV UNFILLED CAPAC	ALT.		- 0	CUTDS
	RA	ADAR, DIGITAL	GYRO C	OMPASS I	NTERFACED WIT	H DIFFE	RENTIAL GPS, DI	SPLAYED WITH HYPA	СК			
		WORK PERFO	RMED				DRAFT FOR LOA	D NO			AVG	
	DREDGING AND HAL	JLING			AGITATING				LIG		LO	ADED
NO OF LOADS	TOT CU YDS 7,905	DISPOSAL	AREA	Today:	TOT CU YDS 0		AFT		11			16
Previous Total	7,505	Mobile 10	2-SW	Today.			DRAG DEPTH		- 1	1		10
250	658,750	F 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7		Prev:	0		INDICATORS LA	ST CHECKED ON			8/4/2017	
253	666,655			To Date:	DISTRIBUTIO	N OF TH	GAS INJECTORS	SUSED				
				AC	DISTRIBUTIO SITATING	N OF TIM		GING AND HAULING			MILES R	IIN
			-		Minutes)		DINED	(Minutes)		4	(Stat. Mile	
EFFECTIVE WOR	KING TIME							The state of the s	999			
PUMPING TURNING			1.444.443.6134	u czysta za	CONTRACT HIS	STATISTICS.		1:54	114	-		
TO DUMP								6:17	377			
DUMPING			100		100000000000000000000000000000000000000			0:42	42			
TO CUT TOTALS								6:16 15:09	376 909		_	
NON-EFFECTIVE	WORKING TIME		S. F. 14		。"李明明的 是		1	10.001	300			
	EL AND SUPPLIES			是是不是它		100		5:07	307			
TO AND FROM	ANCHORAGE NATURAL ELEMENTS							3:00	180	_		
	RAFFIC AND BRIDG							0:20	20			
MINOR OPERA								0:00	24			
LAY TIME	G BETWEEN WORKS							0:00	0			
E () Time			Mass -		Printervisian N			0:00	0			
MISCELLANEO	JS							0:00	0			
TOTALS LOST TIME								8:51	531		_	
MAJOR REPAIR	S AND ALTERATION	S	三石 第二	t stereout got	所到8000000000000000000000000000000000000	and Till		0:00				
CESSATION			3 3 3 3 3	2000年1月1日				0:00				
TOTAL LOST TI	ME							0:00	0	-		
TOTAL TIME IN		1440	to secure outwards	TE WILLIAM	24.00 2 (1880) 472 (4900)	A THE CONTRACT		0.001	-			
AVERAGE SPEED	OF DREDGE		NUCEE		MINUTES RADAR		ED BY MEANS OF	0:00	1440			
LOADING		FEET / M			TIDE DATA WAS	OBIAIN		NOAA tide gauge at D	oa River	Bridge.		
AGITATING					WEATHER:	Winds 5	kts, Waves 1-2 ff					
GALS OF FUEL O		1479										
GALS OF WATER REMARKS:	CONSUMED	938)	- 1	FIELD							
	20 min @ 70% Pay 24 min @ 0 % Pay 307 min @ 0% Pay 160 min @ 0% Pay	Minor Repair Misc Other ta	king on s	upplies		Į.						
SOBMITTED BY:												
					(SEE REVER	RSE SIDE	()					
ENG FORM 27A	, Apr 73		REPLA	CES COST			HICH MAY BE USE	ED.				

-10			BREA	KDOW	N OF L	OADS	DREDG	ED AN			WARR				Wedi	nesday, N	lovember 22, 20
	TIME	PUMP			MINU	TES						DS RET				DEPTH MPLES	REPORT: 91
LOAD No. UNWATERED	STARTED	STOPPED	PUMPING	TURNING	TO DUMP	DUMPING	TO CUT	TOTAL	SOLIDS ***	SUSPENDED SOLIDS ***	BIN WATER SOLIDS	TOTAL **	PER PUMPING MINUTE	PER ELAPSED MINUTE	DENSITY GMS/LITER ***	% SOLIDS (IN PLACE)	
251 252 253 254	45 1359 1804 2242	113 1430 1833 2308	28 31 29 26		107 107 111 52	34 4 4	45 128 103 100	214 270 247 178				2635 2635 2635					
IMPING T	TIME (M	RAGE	S) E	ECONO	DMIC LO	AD (C				LOAD I	DATA OAD N	No.		DATE C	DF TEST		

24 min @ 0 % Pay - Minor Repairs

NOTE:

* WHEN LOAD IS DREDGED WITH HOPPERS UNWATERED, INDICATE BY LETTER "U"

				and Atter				REPOR ENGCW-0-13	TS CONT	ROL SYMBOI REPORT:	92
DISTRICT		U.S. ARMY C	de e Ta	1427-9	ICT		-	DREDGE	M/V COL	LUMBIA	
	ar Wanii							DATE		ar Lali	
EXACT LOCATION (Mobile Har	bor Ship Channel, M	obile AL					MAINTENANCE			day, Novemb	er 23, 2017
	Dredge Ar Sta 1280+00 to	ea 5		- 13		3	NEW WORK	NUMBER OF PERSON	IS IN CRE	EW	12
AV LENGTH OF CU	T 6000	FT			HARACTER OF MA			HOPPER CAPACITY		438	
AV LENGTH OF CU AV WIDTH OF CUT	400	FT Sta. MILE		Y OF MATE		1.045	gms/liter gms/liter	AV VOL OF BIN WATE		0	
AV DIST TO DUMP NAVIGATION AND (19.14 OTHER DREDGING R/	AIDS: (Describ	e and incl	ude statem	ent on adequacy and	recomm	nendations.)	SPLAYED WITH HYPAG			
	-	WORK PERFO	RMED			[DRAFT FOR LOA	AD NO		A'	VG
	REDGING AND HA	JLING			AGITATING		CODWACO		LIGH	Т	LOADED 16
NO OF LOADS	TOT CU YDS	DISPOSAL	AREA	Today:	TOT CU YDS		FORWARD AFT		10		16
6 Previous Total	15,810	Mobile 10	12-SW	Today.	<u> </u>		DRAG DEPTH	- C			
253	666,655			Prev:	0		INDICATORS LA	ST CHECKED ON		8/4/2	2017
259	682,465			To Date:	0 DISTRIBUTION		GAS INJECTORS	SUSED			
				Δ	DISTRIBUTION GITATING	OF TIM		GING AND HAULING		MILE	SRUN
					Minutes)		DITED	(Minutes)			Miles)
EFFECTIVE WORK	ING TIME							2.42	160		
PUMPING TURNING			107A 1386	Errot in the	on Personal Live	AND RESIDEN		2:42	162		
TO DUMP			THE REAL PROPERTY.	3885万美国。7.7				10:09	609		
DUMPING			为有关的 2020			A 100 2		0:24	24		
TO CUT								10:45	1440		
TOTALS NON-EFFECTIVE W	VORKING TIME							0.00	1440		
	L AND SUPPLIES	-	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1			支票的		0:00	0		
TO AND FROM A					·斯里尼斯 (1987)			0:00	0		
LOSS DUE TO N	ATURAL ELEMENTS RAFFIC AND BRIDG	FS						0:00	0		
MINOR OPERATI			125 THE	12.72	ALITY DE LA CALLA	26.202		0:00	0		
TRANSFERRING	BETWEEN WORKS	3	ty delega					0:00	0		
LAY TIME								0:00	0		
MISCELLANEOU	S							0:00	0		
TOTALS				13.70 - 1		为学生		0:00	0		
LOST TIME		10						0:00	-		
CESSATION	S AND ALTERATION	IS						0:00			
COLLISIONS			7.50			The star		0:00			
TOTAL LOST TIM		XX.	建物 金		使用的现在分词形式	使到問題		0:00	0		
TOTAL TIME IN P		1440		- 1	MINUTES RADAR II	NUSE		0:00	1440		
AVERAGE SPEED	OF DREDGE	FEET/M	INUTE		TIDE DATA WAS O		D BY MEANS OF			72. A = =	
LOADING		22				100	GAGE	: NOAA tide gauge at D	og River B	Bridge.	
AGITATING	00110/0120	800			WEATHER: V	Vinds 5	kts, Waves 1-2	T .			
GALS OF FUEL OIL GALS OF WATER O		308 112			FIELD	-					
REMARKS:	CONSONICU	112			1 many						
	100% Day										
SUBMITTED BY:											
					(SEE REVERS	SE SIDE)				
ENG FORM 27A,	Apr 73		REPL	ACES COS	T FORM 27A, 1 SEP	P 63, WH	HICH MAY BE US	ED.			

	7 200 2	-	BREA	KDOW	N OF LO	DADS I	DREDG	ED AN	ID HAU		VADO	e per	AINIFF				vember 23, 20
	TIME F	UMP	15		MINU	TES			(CUBIC In term						DEPTH MPLES	REPORT:
LOAD No. UNWATERED	STARTED	STOPPED	PUMPING	TURNING	TO DUMP	DUMPING	то сит	TOTAL	SETTLED SOLIDS ***	SUSPENDED SOLIDS ***	BIN WATER SOLIDS	TOTAL **	PER PUMPING MINUTE	PER ELAPSED MINUTE	DENSITY GMS/LITER ***	% SOLIDS (IN PLACE)	
254 255 256 257 258 259 260	311 718 1115 1525 1920 2329	337 743 1141 1557 1946 2356	26 25 26 32 26 27		65 103 107 110 105 115 4	4 4 4 4	122 114 101 110 94 104	69 255 250 241 251 239 135				2635 2635 2635 2635 2635 2635					
	AVE	RAGE						ECON	OMIC	LOAD	DATA						
MPING	TIME (N	INUTE	S)	ECONO	OMIC LC	DAD (C				TEST		No.		DATE	OF TEST		

100% Day

0

NOTE:

* WHEN LOAD IS DREDGED WITH HOPPERS UNWATERED, INDICATE BY LETTER "U"

** TOTAL CUBIC YARDS RETAINED = SETTLED SOLIDS + SUSPENDED SOLIDS - BIN WATER SOLIDS OR DETERMINED DIRECTLY BY YARDAGE METER

*** NOT NECESSARY WHEN MEASURING LOAD BY YARDAGE METER

				e and Attend 0-0092				REPOI ENGCW-0-13	RTS CO		SYMBOL PORT:	93
DISTRICT		U.S. ARMY C	7.1.1	DEFE	СТ			DREDGE	M/VC	DLUMB	IA	
EXACT LOCATION OF WORK	K							DATE				
Mobile Harbor Ship C							MAINTENANCE	NUMBER OF BEREO			ovember 24	, 2017
Sta :	Dredge Are 1280+00 to						NEW WORK	NUMBER OF PERSON	NS IN C	KEVV	12	2
AV LENGTH OF CUT AV WIDTH OF CUT	6000 400	FT	DENEIT	CH Y OF MATE		OF MATERIA 1.045		HOPPER CAPACITY AV VOL OF BIN WATE	-D		4387	CU YDS
AV DIST TO DUMP NAVIGATION AND OTHER DI	19.14	Sta, MILE	DENSIT	Y OF WATE	R	1.006	gms/liter gms/liter mendations.)	AV UNFILLED CAPAC		_	0	CU YDS
	RA	DAR, DIGITAL	GYRO C	COMPASS IN	NTERFACED	WITH DIFFE	RENTIAL GPS, DI	SPLAYED WITH HYPA	CK			
		WORK PERFO	RMED				DRAFT FOR LOA	D NO			AVG	
	G AND HAU	LING DISPOSAL	ADEA	-	TOT CU YD		FORWARD		LIG		LO	ADED 16
	810	DISPUSAL	AREA	Today:	101 00 10		AFT		1			16
Previous Total		Mobile 10	2-SW				DRAG DEPTH			*******		
	,465			Prev:	0			ST CHECKED ON			8/4/2017	
265 698	,275	1 3	_	To Date:	DISTRIBI	JTION OF TI	GAS INJECTORS	USED		_	_	_
	All Car	son i			ITATING dinutes)			GING AND HAULING (Minutes)	, A.		MILES R (Stat. Mil	
EFFECTIVE WORKING TIME									450			4
PUMPING TURNING					女となって できずったい			2:38	158			
TO DUMP				建筑等等。		MIPS PER		10:54	654			
TO CUT								0:54 9:34	54 574			
TOTALS		-	12130000	Comments of the		TO 00 (14) 815 W		0:00	1440			
NON-EFFECTIVE WORKING TAKING ON FUEL AND SU				是中國政學	water of the			0:00	0			
TO AND FROM ANCHORA			112.12.13	Laure Stand		的复数形式		0:00	0			
LOSS DUE TO NATURAL E		S	100					0:00	0			
MINOR OPERATING REPA	AIRS							0:00	0			
TRANSFERRING BETWEE	N WORKS				Tool of the			0:00	0			
LAY TIME	_		10000			1 A 1 A 1 A 1 A 1 A 1 A 1 A 1 A 1 A 1 A		0:00	0			
MISCELLANEOUS			加加斯			可用的形式的		0:00	0			
TOTALS					Version (See			0:00	0			
LOST TIME MAJOR REPAIRS AND ALT	TERATIONS		1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1			AND THE PARTY OF		0:00	-	_		
CESSATION	CONTON		3600	100		(为)对 9、完全与		0:00				
COLLISIONS					建筑的 是是	2.50 / 2.60		0:00				
TOTAL LOST TIME TOTAL TIME IN PERIOD	- 4	440	2 30 30 40	100年来出版		A COLUMN TO A COLU		0:00	0	-		
AVERAGE SPEED OF DRED					INUTES RAI			0:00	1440			
CADING		FEET / M			TIDE DATA V	VAS OBTAIN	ED BY MEANS OF	NOAA tide gauge at D	od Pives	Bridge		
LOADING AGITATING	_	220		lv.	VEATHER:	Winds	5 kts, Waves 1-2 ft		og raver	Drioge.		
GALS OF FUEL OIL CONSUM	MED	3270).		Litte							
GALS OF WATER CONSUME REMARKS:	ED	936	,	F	IELD							
100% Day												
SUBMITTED BY:		-										
						VERSE SIDE	E) HICH MAY BE USE					

		TIME	PUMP			MINU					CUBIC		OS RET			MID-	DEPTH MPLES	ember 24, 2017 REPORT: 93
LOAD No.	UNWATERED	STARTED	STOPPED	PUMPING	TURNING	TO DUMP	DUMPING	TO CUT	TOTAL	SOLIDS ***	SUSPENDED SOLIDS ***	BIN WATER SOLIDS	TOTAL **	PER PUMPING MINUTE	PER ELAPSED MINUTE	DENSITY GMS/LITER ***	% SOLIDS (IN PLACE)	
260 261 262 263 264 265 266		356 800 1215 1636 2052	427 828 1248 1709 2125	31 28 33 33 33 33		108 101 103 117 112 113	20 4 10 4 12 4	108 108 114 107 99 38	128 244 249 268 264 249 38				2635 2635 2635 2635 2635 2635					
JMPIN		TIME (M		S) E	-	PMIC LC	DAD (C				LOAD TEST I	DATA OAD N	No.		DATE C	DF TEST		

* WHEN LOAD IS DREDGED WITH HOPPERS UNWATERED, INDICATE BY LETTER "U"

				e and Attend -0092				REPOR ENGCW-0-13	TS CONT	ROL SYME	
DISTRICT		U.S. ARMY C	100.11	A TOTAL OF	·T			DREDGE	M / V COL	HMPIA	
		U.S. ARMY	OE, MOE	ILE DISTRIC	.1				M / V COL	AIGINO	
EXACT LOCATION OF		Luc Al				ń e	MAINTENANCE	DATE	Catus	day Navan	nber 25, 2017
Mobile Harbor	Ship Channel, Mo Dredge Are					0	MAINTENANCE	NUMBER OF PERSON			iber 25, 2017
	Sta 1280+00 to						NEW WORK	120000121100000			12
AV LENGTH OF CUT	6000	FT	1	CH	ARACTER OF N	MATERIAL		HOPPER CAPACITY	_	4	387 CU YDS
AV WIDTH OF CUT	400	FT		Y OF MATER	RIAL	1.045	gms/liter	AV VOL OF BIN WATE			0 CU YDS
AV DIST TO DUMP NAVIGATION AND OTH	19.14			Y OF WATER		1.006	gms/liter	AV UNFILLED CAPAC	ITY		0 CU YDS
NAVIGATION AND OTE											
	RA	DAR, DIGITAL	GYROC	OMPASS IN	TERFACED WIT	H DIFFE	RENTIAL GPS, DI	SPLAYED WITH HYPAG	K		
		WORK PERFO	RMED				DRAFT FOR LOA	D NO			AVG
	DGING AND HAL	JLING	- Y-1		AGITATING		Trong and		LIGH	T	LOADED
	TOT CU YDS	DISPOSAL	AREA		TOT CU YDS		FORWARD		10		16 16
6 Previous Total	15,810	Mobile 10	2-SW	Today:	0		DRAG DEPTH		10		10
265	698,275	morne it		Prev:	0		INDICATORS LA	ST CHECKED ON		8/4	4/2017
271	714,085			To Date:	0	N CC	GAS INJECTORS	USED			
			1	AGI	DISTRIBUTIO TATING	N OF TH		GING AND HAULING	1	MII	ES RUN
			100		linutes)	36.	0,120	(Minutes)			at. Miles)
EFFECTIVE WORKING	TIME		-					2:58	178	_	
PUMPING TURNING			ASSESSED OF THE PARTY OF THE PA			A. 1. 202		0:00	0		
TO DUMP			美国基础	1000000		La Ph		10:45	645		
DUMPING TO CUT								0:25 9:52	25 592		
TOTALS								0:00	1440		
NON-EFFECTIVE WOR		4						0.00	0		
TAKING ON FUEL AI								0:00	0	-	
LOSS DUE TO NATU	JRAL ELEMENTS		AT AND A		AND THE RESERVE OF THE STATE OF			0:00	0		
LOSS DUE TO TRAF		ES						0:00	0		
MINOR OPERATING TRANSFERRING BE			201			Y Salah		0:00	0		
LAY TIME								0:00	0		
MISCELLANEOUS								0:00	0	_	
TOTALS					1775 800 4			0:00	0		
LOST TIME				化聚解型性原	是更为自己的A			0.001			
MAJOR REPAIRS AN CESSATION	ND ALTERATION	S						0:00			
COLLISIONS				STATE OF THE PARTY	other and a transfer			0:00			
TOTAL LOST TIME			12年30年	O THE STATE OF		San Velo		0:00	0		
TOTAL TIME IN PERI AVERAGE SPEED OF		1440	1	IM	INUTES RADAR	IN USE		0:00	1440		
	21,12002	FEET/M					ED BY MEANS OF		7. L. 17. 2	1.5	
LOADING		22	0	100	/EATHER:	Winde	GAGE:	NOAA tide gauge at D	og River B	Iridge.	
AGITATING GALS OF FUEL OIL CO	ONSUMED	311	3	VV	CATHEN.	willus .	Kis, Waves 1-2 1				
GALS OF WATER CON		89		FI	IELD						
REMARKS:	% Day										
SUBMITTED BY:											
					(SEE REVE						

agreniuk@dutragrou p.com 2017.11.26 08:05

. 0	TIME F	PUMP	BREA		MINU				-	CUBIC	YARE s of in)	MID-	DEPTH IPLES	vember 25, 201 REPORT: 94
LOAD No.	STARTED	STOPPED	PUMPING	TURNING	TO DUMP	DUMPING	TO CUT	TOTAL	SOLIDS ***	SUSPENDED SOLIDS ***	BIN WATER SOLIDS	TOTAL **	PER PUMPING MINUTE	PER ELAPSED MINUTE	DENSITY GMS/LITER ***	% SOLIDS (IN PLACE)	
266 267 268 269 270 271 272	110 513 922 1319 1731 2132	141 545 950 1356 1756 2157	31 32 28 37 25 25		99 104 101 114 115 112	4 5 4 4 4 4	70 109 108 104 87 97 7	204 250 241 259 231 238 7				2635 2635 2635 2635 2635 2635	Ж				
JMPING EMARKS		RAGE	S) E		PMIC LC	DAD (C				LOAD TEST I	DATA LOAD N	No.		DATE C	DF TEST		

WHEN LOAD IS DREDGED WITH HOPPERS UNWATERED, INDICATE BY LETTER "U"

		ental of Hoppi W91						REPOI ENGCW-0-13	RTS CONTE	ROL SYMBOL REPORT:	95
DISTRICT		-UNITED TO		ILE DISTRICT				DREDGE	M / V COL	JMBIA	
EXACT LOCATION	N OF WORK	-				_		DATE		7.00	
	larbor Ship Channel, Mo					M	AINTENANCE			ay, November 2	6, 2017
	Dredge Are Sta 1280+00 to					NE	EW WORK	NUMBER OF PERSO	NS IN CREV		2
AV LENGTH OF C	OUT 6000	FT		CHA	RACTER OF MA	TERIAL	-	HOPPER CAPACITY		4387	CU YDS
AV WIDTH OF CU	JT 400	FT		Y OF MATERIA	AL	1.045	gms/liter	AV VOL OF BIN WAT		0	CU YDS
AV DIST TO DUM	P 19.14 O OTHER DREDGING A	Sta, MILE	DENSIT	Y OF WATER		1.006	gms/liter	AV UNFILLED CAPAC	HY	0	CU YDS
HAVIOATION AIR								SPLAYED WITH HYPA	ск		
		VORK PERFO	RMED			IDI	RAFT FOR LOA	D NO		AVG	
	DREDGING AND HAU	LING	10/8-		AGITATING				LIGHT	T(DADED
NO OF LOADS	TOT CU YDS	DISPOSAL	AREA		OT CU YDS	IFC AF	DRWARD		10	_	16
5 Previous Total	13,175	Mobile 10	2-SW	Today:	0		RAG DEPTH	-	10		-10
271	714,085		300	Prev:	0	IN	DICATORS LAS	ST CHECKED ON		8/4/201	7
276	727,260			To Date:	0		AS INJECTORS	USED			
100				ACIT	DISTRIBUTION ATING	OF TIME		GING AND HAULING	-	MILES	RUN
					utes)		DIVER	(Minutes)		(Stat. M	
EFFECTIVE WOR	KING TIME							n.e.d	474		
PUMPING TURNING			Charles and	or The Colonial Colonia Colonial Colonial Colonial Coloni	W85 - 50	23.75 (SEC.)		2:54	174	_	
TO DUMP			15 10			が国際		10:03	603		
DUMPING								0:54	54 609		
TO CUT TOTALS								0:00	1440		
NON-EFFECTIVE	WORKING TIME		Faith Control		一	数1回连接					
	IEL AND SUPPLIES		38.00	的思想是	To the second			0:00	0		
TO AND FROM	NATURAL ELEMENTS		建筑和					0:00	0		
	TRAFFIC AND BRIDGE	S	3-779(6.0)	CHAPTER STATE				0:00	0		
	TING REPAIRS		(25 Th)	V.		Service .		0:00	0		
LAY TIME	IG BETWEEN WORKS							0:00	0		
LA) TIME			140.50					0:00	0		
MISCELLANEO	DUS		300	《并是 》。	Transaction a			0:00	0		
TOTALS LOST TIME								0:00	0		
	RS AND ALTERATIONS	3			75330775			0:00			
CESSATION								0:00			
COLLISIONS	945		ships the			SPERIOR S		0:00	0		
TOTAL LOST T		440									
AVERAGE SPEED					NUTES RADAR IN		DV/ MEANO CE	0:00	1440		
LOADING		FEET/M 220		TIL	DE DATA WAS O	BIAINED		NOAA tide gauge at D	log River Br	idge.	
AGITATING		-		WE	ATHER: W	Winds 10	kts, Waves 2-3				
GALS OF FUEL C		3479									
GALS OF WATER REMARKS:	R CONSUMED	672	2	FIE	LD						
	100% Day										
SUBMITTED BY:											
END FORUS	A A 70		DCD	ACER COST F	(SEE REVERS ORM 27A, 1 SEP		NAV DE HO	ED			
ENG FORM 27	A, Apr /3		MEPL	MUED CUST F	UNIVEZIA, TOEP	do, WHIC	OF US				

		T	TIME	PUMP			MINU		Atomir e				YARD				MID-	DEPTH	ember 26, 2017 REPORT:
LOAD No.	UNWATERED		STARTED	STOPPED	PUMPING	TURNING	TO DUMP	DUMPING	TO CUT	TOTAL	SOLIDS ***	SUSPENDED SOLIDS ***	BIN WATER 90 SOLIDS 11:	TOTAL **	PER PUMPING MINUTE	PER ELAPSED MINUTE	DENSITY GMS/LITER ***	% SOLIDS AIN PLACE)	95
272 273 274 275 276 277			134 548 950 1355 1829 2250	207 615 1019 1425 1856 2318	33 27 29 30 27 28		109 100 109 120 123 42	4 4 30 12	94 108 111 103 94 99	240 239 253 283 256 169				2635 2635 2635 2635 2635					
				RAGE								LOAD							
EMA			ME (N	MINUTE	(00% D	7	DMIC LC	AD (C	Su . Ya	is)		7	OAD N	No.		DATE (OF TEST		

BY YARDAGE METER
*** NOT NECESSARY WHEN MEASURING LOAD BY YARDAGE METER

				e and Atter				REPO ENGCW-0-13	RTS CON		YMBOL PORT:	96
DISTRICT		U.S. ARMY C			IICT			DREDGE	M/VCC	LUMBIA	4	-
EXACT LOCATION							A Company of	DATE		-		
Mobile Ha	arbor Ship Channel, M Dredge Ar						MAINTENANCE	NUMBER OF PERSO			vember 27,	2017
1000000	Sta 1280+00 to					1	NEW WORK	NOMBER OF PERSO	NO IN CR	CVV	12	
AV LENGTH OF CU		FT FT	DENSIT	Y OF MATE	HARACTER OF	MATERIAL 1.045	gms/liter	HOPPER CAPACITY AV VOL OF BIN WAT	ED		4387 0	CU YDS
AV DIST TO DUMP	19.14	Sta. MILE	DENSIT	Y OF WAT	ER	1.006	ams/liter	AV UNFILLED CAPAC			0	CU YDS
NAVIGATION AND	OTHER DREDGING							SPLAYED WITH HYPA	ск			
	100000000000000000000000000000000000000	WORK PERFO	RMED				DRAFT FOR LOA	D NO			AVG	
	DREDGING AND HAL	JLING		_	AGITATING		100		LIG		LOA	DED
NO OF LOADS	TOT CU YDS 15,810	DISPOSAL	AREA	Today:	TOT CU YDS		FORWARD AFT		10			6
Previous Total	10,010	Mobile 10	2-SW	Today.			DRAG DEPTH		- 10	-		0
276	727,260			Prev:	0			ST CHECKED ON			8/4/2017	
282	743,070	1		To Date:	DISTRIBUTIO	ON OF TIM	GAS INJECTORS	USED		_		
					GITATING			SING AND HAULING			MILES RU	
EFFECTIVE WORK	KING TIME				Minutes)			(Minutes)			(Stat. Miles	9
PUMPING TURNING				Annual Control of the				2:32	152			
TO DUMP			A			1		0:00	644			
DUMPING			20 m	1 1/2	16 NB (18 50 18 50 1	HE TO SERVE		0:53	53			
TO CUT TOTALS			anger - m	× 4 10 5	a conviction			9:44 23:53	1433			-
NON-EFFECTIVE V			1 1/2 (1/2)		MICE PARTIES	7 /2						
TO AND FROM	AND SUPPLIES							0:00	0			
LOSS DUE TO N	IATURAL ELEMENTS							0:00	0			
MINOR OPERAT	RAFFIC AND BRIDG	ES	-			1-41		0:07	7			
TRANSFERRING	BETWEEN WORKS					4.37.		0;00	0			
LAYTIME		_		The set		947		0:00	0	_		_
MISCELLANEOU	JS		3.00		11.12			0:00	0			
TOTALS LOST TIME								0:07	7			
MAJOR REPAIR	S AND ALTERATION	S				to a limit		0:00				
CESSATION			1	1 1 1				0:00				
TOTAL LOST TII					11 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1			0:00	Ö			
TOTAL TIME IN F AVERAGE SPEED		1440		- 1	MINUTES RADAR	INTIGE		0:00	1440			
To a second	-, 5111252	FEET/M			TIDE DATA WAS					75.11		
LOADING AGITATING		220	1-11		WEATHER:	Winds 5	GAGE: kts, Waves 1-2 ft	NOAA tide gauge at D	og River I	Bridge.		
	L CONSUMED	2295			WEATHER.	Willus 5	KIS, WAVES 1-2 II					
	CONSUMED	1008			FIELD							
GALS OF FUEL OI GALS OF WATER REMARKS:		1008				winds 5	Kts, Waves 1-2 n					
ENG FORM STA					(SEE REVE	RSE SIDE						

	Q	TIME F	PUMP	BREA	, LOUI	MINU					CUBIC	YARD s of in p)	MID-	nday, No DEPTH IPLES	vember 27, 2017 REPORT: 96
LOAD No.	UNWATERED	STARTED	STOPPED	PUMPING	TURNING	TO DUMP	DUMPING	TO CUT	TOTAL	SETTLED SOLIDS ***	SUSPENDED SOLIDS ***	BIN WATER SOLIDS	TOTAL **	PER PUMPING MINUTE	PER ELAPSED MINUTE	DENSITY GMS/LITER ***	% SOLIDS (IN PLACE)	
277 278 279 280 281 282 283		306 734 1156 1620 2020	339 802 1231 1649 2047	33 28 35 29 27		72 118 112 114 115 113	10 10 10 15 4 4	104 107 105 100 92 76	82 265 257 269 248 236 76				2635 2635 2635 2635 2635 2635					
JMPI E MAF		TIME (M	RAGE	S)	ECONO	DMIC LC	DAD (C				LOAD TEST	DATA LOAD N	No.		DATE (DF TEST		

0

NOTE: * WHEN LOAD IS DREDGED WITH HOPPERS UNWATERED, INDICATE BY LETTER "U"

** TOTAL CUBIC YARDS RETAINED = SETTLED SOLIDS + SUSPENDED SOLIDS - BIN WATER SOLIDS OR DETERMINED DIRECTLY

BY YARDAGE METER
*** NOT NECESSARY WHEN MEASURING LOAD BY YARDAGE METER

				e and Atten 0-0092				REPOR ENGCW-0-13	RTS CON	TROL SY REPO		97
DISTRICT		U.S. ARMY C	OE, MOE	BILE DISTRI	ст		7	DREDGE	M/V CO	LUMBIA		
EXACT LOCATION						LIAN PERIODE		DATE	400	des No.		0 0047
Mobile Har	rbor Ship Channel, Mo Dredge An					MAINTENANO	CE	NUMBER OF PERSON		sday, Nov EW		
	Sta 1280+00 to	1340+00				NEW WORK					12	
AV LENGTH OF CU		FT FT	DENSIT	Y OF MATE	HARACTER OF MA	TERIAL 1.045 gms/liter		HOPPER CAPACITY AV VOL OF BIN WATE	R		4387 0	CU YDS
AV DIST TO DUMP	19.14	Sta. MILE	DENSIT	Y OF WATE	R	1.006 gms/liter		AV UNFILLED CAPAC			Ö	CUYDS
NAVIGATION AND	OTHER DREDGING						s, DI	SPLAYED WITH HYPAC	ĸ			
		WORK PERFO	RMED			DRAFT FOR	LOA	DNO			AVG	
	DREDGING AND HAL		ADEA	_	AGITATING TOT CU YDS	FORWARD			LIGI 8		LO	ADED 16
NO OF LOADS	TOT CU YDS 15,810	DISPOSAL	AREA	Today:	0	FORWARD AFT			10			16
Previous Total		Mobile 10	2-SW	Prev:	0	DRAG DEPTI		ST CHECKED ON			8/4/2017	
282	743,070 758,880			To Date:	0	GAS INJECT					31412011	
					DISTRIBUTION		DED	GING AND HAULING	-		MILES R	TIN
					Minutes)	DR	KEDU	(Minutes)			(Stat. Mil	
EFFECTIVE WORK PUMPING	ING TIME		-					2:52	172	-		
TURNING								0:00	0			
TO DUMP DUMPING								11:05 0:56	665 56			
TO CUT						No.		8:54	534			
TOTALS NON-EFFECTIVE V	VORKING TIME			_			_	23:47	1427			
TAKING ON FUE	L AND SUPPLIES							0:00	0			
TO AND FROM A	ANCHORAGE ATURAL ELEMENTS	3		_				0:00	0			
	RAFFIC AND BRIDG							0:00	0			
	BETWEEN WORKS							0:00	0			
LAY TIME								0:00	0			
MISCELLANEOU	IS							0:13	13			
TOTALS LOST TIME				_				0:13	13			
MAJOR REPAIRS	S AND ALTERATION	S						0:00	- 7			
CESSATION				_			-	0:00				
TOTAL LOST TIN		1110						0:00	0			
TOTAL TIME IN P AVERAGE SPEED		1440			MINUTES RADAR IN			0:00	1440	-		
LOADING		FEET/M			TIDE DATA WAS O	BTAINED BY MEANS		NOAA tide gauge at D	on Diver	Bridge		
LOADING AGITATING		220			WEATHER: W	finds 5 kts, Waves 1			og ravel	Choye		
GALS OF FUEL OIL		3044 1008			FIELD							
GALS OF WATER (REMARKS:	CONSUMED	1008			FIELD		_		-			
	13 min @ 0% – Misc	Crewboat										
SUBMITTED BY:					-							
ENG FORM 27A,	Anr 73		REPL	ACES COS	(SEE REVERS	SE SIDE) 63, WHICH MAY BE	US	ED.				

agreniuk@dutragrou p.com 2017.11.29 08:23

			BREA	KDOW	N OF L	UAUS I	JKEDG	ED AN									rember 28, 201
	TIME	PUMP			MINU	TES					S of in					DEPTH MPLES	REPORT: 97
LOAD No. UNWATERED	STARTED	STOPPED	PUMPING	TURNING	TO DUMP	DUMPING	TO CUT	TOTAL	SETTLED SOLIDS ***	SUSPENDED SOLIDS ***	BIN WATER SOLIDS		PER PUMPING MINUTE	PER ELAPSED MINUTE	DENSITY GMS/LITER ***	% SOLIDS (IN PLACE)	
283 284 285 286 287 288 289	25 434 842 1243 1728 2136	54 503 908 1311 1800 2204	29 29 26 28 32 28		108 113 109 111 113 111	4 4 4 36 4 4	25 108 102 102 97 99 1	166 254 241 277 246 242 1				2635 2635 2635 2635 2635 2635					
	AV	/ERAGE						ECON	NOMIC	LOAD	DATA					- 4	

WHEN LOAD IS DREDGED WITH HOPPERS UNWATERED, INDICATE BY LETTER "U"

				e and Atten				ENGCW-0-13	TS CONTR	ROL SYMBO REPORT:	L 98
DISTRICT		U.S. ARMY C	DE, MOB	BILE DISTRI	СТ			DREDGE	M / V COLU	JMBIA	
EXACT LOCATION		abila Al				MAINTEN	IANCE	DATE	Wednes	day, Novem	ber 29, 2017
Mobile Ha	rbor Ship Channel, Mo Dredge An Sta 1280+00 to	ea 5				NEW WO		NUMBER OF PERSON			12
AV LENGTH OF CU		FT		Y OF MATE		1.045 gms		HOPPER CAPACITY AV VOL OF BIN WATE		438 0	CU YDS
AV DIST TO DUMP NAVIGATION AND	OTHER DREDGING	AIDS: (Describe	and incl		ent on adequacy and		s.)	SPLAYED WITH HYPAG			00 100
		WORK PERFO	RMED			DRAFT F	OR LOA	AD NO			VG
	DREDGING AND HAL				AGITATING	FORWAR	20		LIGHT 8		LOADED 16
NO OF LOADS	TOT CU YDS 13,175	DISPOSAL	AREA	Today:	TOT CU YDS	AFT	\U_		10		16
Previous Total		Mobile 10	2-SW			DRAG DI		OT CHECKED ON		9/4)	2017
288 293	758,880 772,055			Prev: To Date:	0	GAS INJ		ST CHECKED ON		0/4/	2011
243	772,000	1			DISTRIBUTION					MU	S RUN
			1		GITATING Minutes)		DRED	GING AND HAULING (Minutes)			Miles)
EFFECTIVE WORK	CING TIME			1				2:22	142		
PUMPING TURNING		_						0:00	0		
TO DUMP								9:25 1:31	565 91		
TO CUT				_				10:29	629		
TOTALS								23:47	1427		
NON-EFFECTIVE	WORKING TIME EL AND SUPPLIES	-	_			_	_	0:00	0		
TO AND FROM	ANCHORAGE							0:00	0		
	NATURAL ELEMENTS TRAFFIC AND BRIDG		_				_	0:00 0:13	13		
MINOR OPERA	TING REPAIRS							0:00	0		
LAY TIME	3 BETWEEN WORKS	5					_	0:00	0		
MISCELLANEO	US							0:00	0		
TOTALS								0:13	13		
LOST TIME MAJOR REPAIR	S AND ALTERATION	IS						0:00			
CESSATION							_	0:00			
TOTAL LOST T	ME							0:00	0		
TOTAL TIME IN	PERIOD	1440			MINUTES RADAR IN	VIISE	_	0:00	1440		
AVERAGE SPEED	OF DREDGE	FEET/M			TIDE DATA WAS O		ANS O	F	N. De	17.	
LOADING		220)		WEATHER: W	linds 5 kts, Wa		: NOAA tide gauge at [og River B	nage.	
AGITATING GALS OF FUEL O	IL CONSUMED	304	-			o nto, wa					
GALS OF WATER	CONSUMED	100	3		FIELD						
REMARKS:	13 min @ 70% – Tra										
OSSINITED BY.											
					(SEE REVERS	SE SIDE)	_		_	-	
ENG FORM 27/	Apr 73		REPL	ACES COS	T FORM 27A, 1 SEP	63, WHICH MA	Y BE US	SED.			

	TIME P		BREA	, LOUIT	MINU					CUBIC	YARD s of in p				MID-	DEPTH IPLES	REPORT: 98
LOAD No.	STARTED	STOPPED	PUMPING	TURNING	TO DUMP	DUMPING	TO CUT	TOTAL	SOLIDS ***	SUSPENDED SOLIDS ***	BIN WATER SOLIDS	TOTAL **	PER PUMPING MINUTE	PER ELAPSED MINUTE	DENSITY GMS/LITER ***	% SOLIDS (IN PLACE) ***	
289 290 291 292 293 294	145 610 1108 1538 1946	216 638 1136 1606 2013	31 28 28 28 27		110 112 117 112 114	4 55 24 4 4	105 107 103 101 104 109	250 302 272 245 249 109				2635 2635 2635 2635 2635					
	AV	ERAGE						ECON	OMIC	LOAD	DATA						
MPING	IME (A	MINUTE			OMIC L		Cu . Y		-		LOAD			DATE	OF TES	Т	

* WHEN LOAD IS DREDGED WITH HOPPERS UNWATERED, INDICATE BY LETTER "U"

** TOTAL CUBIC YARDS RETAINED = SETTLED SOLIDS + SUSPENDED SOLIDS - BIN WATER SOLIDS OR DETERMINED DIRECTLY BY YARDAGE METER.

*** NOT NECESSARY WHEN MEASURING LOAD BY YARDAGE METER

		Rental of Hopp W9		and Atte -0092	ER DREDGES ndant Plant			REPOI ENGCW-0-13	RTS COM		YMBOL PORT:	99
DISTRICT		U.S. ARMY	OE, MOB	ILE DISTR	RICT			DREDGE	M/V CC	LUMBIA	V	
EXACT LOCATION Mobile Har	OF WORK rbor Ship Channel, M	obile AL				M	AINTENANCE	DATE			ovember 3	30, 2017
	Dredge Ar Sta 1280+00 to					NE	EW WORK	NUMBER OF PERSOI	NS IN CR	REW	12	2
AV LENGTH OF CU AV WIDTH OF CUT AV DIST TO DUMP	400 19.14	FT FT Sta. MILE	DENSIT	Y OF MAT	ER 1	1.045 1.006	gms/liter gms/liter	AV VOL OF BIN WATE AV UNFILLED CAPAC			4387 0 0	CU YDS CU YDS CU YDS
NAVIGATION AND		10221.42 401.1			ent on adequacy and INTERFACED WITH			SPLAYED WITH HYPA	ск			
		WORK PERFO	DRMED			DF	RAFT FOR LOA	AD NO			AVG	
	DREDGING AND HAI				AGITATING		DOWNED		LIG		LC	ADED
NO OF LOADS	TOT CU YDS 13,175	DISPOSA	LAREA	Today:	TOT CU YDS		DRWARD FT		10			16
Previous Total	10,110	Mobile 1	02-SW	Today.	,	DF	RAG DEPTH					
293	772,055			Prev:	0			ST CHECKED ON			8/4/2017	7
298	785,230			To Date:	0 DISTRIBUTION		AS INJECTORS	SUSED		_		
					GITATING (Minutes)	OF TIME		GING AND HAULING (Minutes)			MILES R (Stat. Mil	
EFFECTIVE WORK	ING TIME							n.n.t	444			
PUMPING TURNING								2:21 0:00	141			
TO DUMP								9:19	559			
DUMPING								0:20 7:49	20 469			
TO CUT TOTALS				_				19:49	1189			
NON-EFFECTIVE V												
	L AND SUPPLIES							0:00	236			
TO AND FROM A	ATURAL ELEMENTS	3		_		_		3:56 0:00	0			
LOSS DUE TO T	RAFFIC AND BRIDG							0:00	0			
MINOR OPERAT	ING REPAIRS							0:00	0	_		
LAY TIME	BETWEEN WORKS			_				0:00	0			
DATE TIME								0:00	0			
MISCELLANEOU	IS							0:15	15			
TOTALS LOST TIME				_		_		4:11	251			
	S AND ALTERATION	IS						0:00				
CESSATION								0:00				
TOTAL LOST TIM	/E							0:00	0			
TOTAL TIME IN P		1440										
AVERAGE SPEED					MINUTES RADAR IN		DV MEANO OF	0:00	1440	-		
LOADING		FEET / N			TIDE DATA WAS OF	BIAINED		NOAA tide gauge at D	og River	Bridge.		
AGITATING			-		WEATHER: W	Vinds 5 k	ts, Waves 1-2 f		3	-		
GALS OF FUEL OIL		326			EIE B							
	CONSUMED	112	0		FIELD					_		_
	CONSUMED 236 min @ 70% – W 15 min @ 0 % – Miso		0		FIELD							
SUBMITTED BY:												
-												
	Apr 73		DED!	050.000	(SEE REVERS ST FORM 27A, 1 SEP		CU MAY BE US	FD				

agreniuk@dutragrou p.com 2017.12.01 09:10

			BREA	KDOW	N OF L	OADS [DREDG	ED AN	D HAU								vember 30, 201
0	TIME	PUMP			MINU	TES			(YARD s of in p					DEPTH IPLES	REPORT: 99
LOAD No. UNWATERED	STARTED	STOPPED	PUMPING	TURNING	TO DUMP	DUMPING	TO CUT	TOTAL	SETTLED SOLIDS ***	SUSPENDED SOLIDS ***	BIN WATER SOLIDS	TOTAL **	PER PUMPING MINUTE	PER ELAPSED MINUTE	DENSITY GMS/LITER ***	% SOLIDS (IN PLACE)	
294 295 296 297 298 299	0 800 1229 1623 2034	28 830 1258 1651 2100	28 30 29 28 26		113 113 102 120 111	4 4 4 4 4	103 107 99 99 61	145 250 242 251 240 61				2635 2635 2635 2635 2635					
	AV	/ERAGE						ECO	NOMIC	LOAD	DATA						

236 min @ 70% – Weather Fog 15 min @ 0 % -- Misc crewboat

NOTE:

* WHEN LOAD IS DREDGED WITH HOPPERS UNWATERED, INDICATE BY LETTER "U"

** TOTAL CUBIC YARDS RETAINED = SETTLED SOLIDS + SUSPENDED SOLIDS - BIN WATER SOLIDS OR DETERMINED DIRECTLY BY YARDAGE METER

*** NOT NECESSARY WHEN MEASURING LOAD BY YARDAGE METER

		Rental of Hopp W91				REPOR ENGCW-0-13	RTS CONTRO	DL SYMBOL REPORT: 100
DISTRICT		U.S. ARMY C	OE, MOE	BILE DISTRICT		DREDGE	M / V COLU	MBIA
XACT LOCATION	OF WORK			1	- ALIVEDTON	DATE	- 250	Trefording
Mobile Ha	rbor Ship Channel, Mo				MAINTENANCE	NUMBER OF PERSON		, December 01, 2017
	Dredge Are Sta 1280+00 to				NEW WORK	14 Crew + 2 Observers		18 Boot Coptain
V LENGTH OF CL	JT 6000	FT		CHARACTER OF MA		HOPPER CAPACITY	-	4387 CU YDS
AV WIDTH OF CUT	400 19.14	FT Sto Mil E			1.045 gms/liter 1.006 gms/liter	AV VOL OF BIN WATE		0 CU YDS 0 CU YDS
AVIGATION AND	OTHER DREDGING	AIDS: (Describe	and incl	ude statement on adequacy and COMPASS INTERFACED WITH	recommendations.)	SPLAYED WITH HYPAC	ж	
		WORK PERFO	RMED		DRAFT FOR LOA	AD NO		AVG
	DREDGING AND HAL		185	AGITATING	FORMADO		LIGHT 8	LOADED 16
NO OF LOADS	TOT CU YDS 13,175	DISPOSAL	AREA	TOT CU YDS Today: 0	FORWARD		10	16
Previous Total	15,175	Mobile 10	2-SW	, coay,	DRAG DEPTH		- 12	
298	785,230			Prev: 0		ST CHECKED ON		8/4/2017
303	798,405			To Date: 0	GAS INJECTORS	SUSED		
				DISTRIBUTION AGITATING (Minutes)		GING AND HAULING (Minutes)		MILES RUN (Stat. Miles)
FFECTIVE WORK	KING TIME			(Miniateo)		1.1		
PUMPING						2:27	147	
TURNING TO DUMP			-			8:56	536	
DUMPING						0:41	41	
TO CUT						8:25	505	
TOTALS NON-EFFECTIVE	MODIZINIO TIME		-			20:40	1240	
	EL AND SUPPLIES	-	-			0:00	0	
TO AND FROM	ANCHORAGE					0:00	0	
	NATURAL ELEMENTS					2:55 0:25	175 25	
MINOR OPERA	RAFFIC AND BRIDG	ES				0:00	0	
TRANSFERRING	BETWEEN WORKS					0:00	0	
LAY TIME						0:00	0	
MISCELLANEO	IS		-			0:00	0	
TOTALS	00					3:20	200	
OST TIME	-William Vision					0.001		
	S AND ALTERATION	S				0:00		
CESSATION						0:00		
TOTAL LOST TI	ME					0:00	0	
TOTAL TIME IN		1440		IMPRIATE CARAS	VILLE	0:00	1440	
AVERAGE SPEED	OF DREDGE	FEET/M	INUTE	MINUTES RADAR IN	BTAINED BY MEANS OF		1440	
LOADING		22			GAGE	: NOAA tide gauge at D	og River Brit	ige:
AGITATING				WEATHER: W	/inds 5 kts, Waves 1-2 f	t	_	
GALS OF FUEL O		338 99		FIELD			_	
GALS OF WATER REMARKS:	CONSUMED	99		IFICED		-		
	175 min @ 70% – W 25 min @ 70% – Tr							
SUBMITTED BY:		_						
SUBMITTED BY:								
				(SEE REVERS	OF PIDE!			

			BREA	KDOW	Ņ OF L	DADS	DREDG	ED AN									mber 01, 2017
	TIME	PUMP			MINU	TES					S of in p			2.5		DEPTH MPLES	REPORT: 100
LOAD No.	STARTED	STOPPED	PUMPING	TURNING	TO DUMP	DUMPING	TO CUT	TOTAL	SETTLED SOLIDS ***	SUSPENDED SOLIDS ***	BIN WATER SOLIDS	TOTAL **	PER PUMPING MINUTE	PER ELAPSED MINUTE	DENSITY GMS/LITER ***	% SOLIDS (IN PLACE)	
299 300 301 302 303 304	407 819 1212 1705 2107	437 846 1256 1736 2133	30 27 33 31 26	11	107 106 105 104 114	4 4 25 4 4	72 101 96 104 103 29	213 238 270 243 247 29				2635 2635 2635 2635 2635					
	AV	/ERAGE	E9.)	ECON	OMIC L	CAP (Cu. X				DATA			DATE	OF TES	T.	

175 min @ 70% - Weather Fog 25 min @ 70% - Traffic

NOTE:

WHEN LOAD IS DREDGED WITH HOPPERS UNWATERED, INDICATE BY LETTER "U"

^{**} TOTAL CUBIC YARDS RETAINED = SETTLED SOLIDS + SUSPENDED SOLIDS - BIN WATER SOLIDS OR DETERMINED DIRECTLY BY YARDAGE METER
*** NOT NECESSARY WHEN MEASURING LOAD BY YARDAGE METER

AV WIDTH OF CUT 400 FT DENSITY OF MATERIAL 1.045 gms/liter AV VOL OF BIN WATER AV DIST TO DUMP 19.14 Sta. MILE DENSITY OF WATER 1.006 gms/liter AV UNFILLED CAPACITY NAVIGATION AND OTHER DREDGING AIDS: (Describe and include statement on adequacy and recommendations.) RADAR, DIGITAL GYRO COMPASS INTERFACED WITH DIFFERENTIAL GPS, DISPLAYED WITH HYPACK WORK PERFORMED DREDGING AND HAULING AGITATING NO OF LOADS TOT CU YDS DISPOSAL AREA TOT CU YDS FORWARD 8 2 5,270 Today: 0 AFT 10 Previous Total Mobile 102-SW DRAG DEPTH	18
Mobile Harbor Ship Channel, Mobile AL Dredge Area 5 Sta 1280+00 to 1340+00 NEW WORK VENGTH OF CUT 6000 FT CHARACTER OF MATERIAL 1.045 gms/liter IAV VOL OF BIN WATER VOLON TO DUMP 19.14 Sta. MILE DENSITY OF WATER 1.006 gms/liter IAV VOL OF BIN WATER VAVIGATION AND OTHER DREDGING AIDS: (Describe and include statement on adequacy and recommendations.) RADAR, DIGITAL GYRO COMPASS INTERFACED WITH DIFFERENTIAL GPS, DISPLAYED WITH HYPACK WORK PERFORMED DREDGING AND HAULING AGITATING BETT AND AFT TOT CU YDS FORWARD 2 5,270 Today: 0 AFT 10 DRAG DEPTH	18 4387 CU YD: 0 CU YD: 0 CU YD:
Dredge Area 5 Sta 1280+00 to 1340+00 NEW WORK VENION OF CUT 6000 FT CHARACTER OF MATERIAL HOPPER CAPACITY WIDTH OF CUT 400 FT DENSITY OF MATERIAL 1.045 gms/liter AV VOL OF BIN WATER AV VOL OF BIN WATER AV VOL OF BIN WATER IAVUNFILLED CAPACITY WATER OF COMPANY OF WATER AV VOL OF BIN WATER AV VOL OF BIN WATER IAVUNFILLED CAPACITY WATER OF COMPANY OF WATER AV VOL OF BIN WATER AV VOL OF BIN WATER IAVUNFILLED CAPACITY WORK DESCRIBE AND INCLUDED AND OTHER DREDGING AIDS: (Describe and include statement on adequacy and recommendations.) RADAR, DIGITAL GYRO COMPASS INTERFACED WITH DIFFERENTIAL GPS, DISPLAYED WITH HYPACK WORK PERFORMED DREDGING AND HAULING AGITATING NO OF LOADS TOT CU YDS DISPOSAL AREA TOT CU YDS FORWARD 2 5,270 Today: 0 AFT 10 Previous Total Mobile 102-SW NUMBER OF PERSONS IN CREW 14 Crew + 2 Observers + 1 QC + 1 Bost Cs 14 Crew + 2 Observers + 1 QC + 1 Bost Cs 14 Crew + 2 Observers + 1 QC + 1 Bost Cs 14 Crew + 2 Observers + 1 QC + 1 Bost Cs 14 Crew + 2 Observers + 1 QC + 1 Bost Cs 14 Crew + 2 Observers + 1 QC + 1 Bost Cs 15 CREW + 1 CREW + 2 Observers + 1 QC + 1 Bost Cs 16 CREW + 2 Observers + 1 QC + 1 Bost Cs 17 CREW + 2 Observers + 1 QC + 1 Bost Cs 18 CREW + 2 Observers + 1 QC + 1 Bost Cs 18 CREW + 2 Observers + 1 QC + 1 Bost Cs 18 CREW + 2 Observers + 1 QC + 1 Bost Cs 18 CREW + 2 Observers + 1 QC + 1 Bost Cs 18 CREW + 2 Observers + 1 QC + 1 Bost Cs 18 CREW + 2 Observers + 1 QC + 1 Bost Cs 18 CREW + 2 Observers + 1 QC + 1 Bost Cs 18 CREW + 2 Observers + 1 QC + 1 Bost Cs 18 CREW + 2 Observers + 1 QC + 1 Bost Cs 18 CREW + 1 CREW	18 4387 CU YD: 0 CU YD: 0 CU YD:
NEW WORK	9tain 4387 CU YD: 0 CU YD: 0 CU YD:
V WIDTH OF CUT 400 FT DENSITY OF MATERIAL 1.045 gms/liter AV VOL OF BIN WATER V DIST TO DUMP 19.14 Sta. MILE DENSITY OF WATER 1.006 gms/liter AV UNFILLED CAPACITY AVIGATION AND OTHER DREDGING AIDS: (Describe and include statement on adequacy and recommendations.) RADAR, DIGITAL GYRO COMPASS INTERFACED WITH DIFFERENTIAL GPS, DISPLAYED WITH HYPACK WORK PERFORMED DREDGING AND HAULING AGITATING NO OF LOADS TOT CU YDS DISPOSAL AREA TOT CU YDS FORWARD 8 2 5,270 Today: 0 AFT 10 DRAG DEPTH	0 CU YD:
V DIST TO DUMP 19.14 Sta. MILE DENSITY OF WATER 1.006 gms/liter AV UNFILLED CAPACITY AVIGATION AND OTHER DREDGING AIDS: (Describe and include statement on adequacy and recommendations.) RADAR, DIGITAL GYRO COMPASS INTERFACED WITH DIFFERENTIAL GPS, DISPLAYED WITH HYPACK WORK PERFORMED DRAFT FOR LOAD NO DREDGING AND HAULING AGITATING LIGHT NO OF LOADS TOT CU YDS DISPOSAL AREA TOT CU YDS FORWARD 8 2 5,270 Today: 0 AFT 10 PROFILE OF TODAY TO DESCRIPTION OF TODAY TO DESCRIPTION OF TODAY TO DESCRIPTION OF TODAY TODA	0 CUYD
AVIGATION AND OTHER DREDGING AIDS: (Describe and include statement on adequacy and recommendations.) RADAR, DIGITAL GYRO COMPASS INTERFACED WITH DIFFERENTIAL GPS, DISPLAYED WITH HYPACK WORK PERFORMED DREDGING AND HAULING AGITATING NO OF LOADS TOT CU YDS DISPOSAL AREA TOT CU YDS FORWARD S TOTOU YDS ORAG DEPTH Tevious Total Mobile 102-SW DRAG DEPTH	AVG
DREDGING AND HAULING AGITATING LIGHT	AVG
NO OF LOADS	
2 5,270 Today: 0 AFT 10 PRAG DEPTH	LOADED 16
revious Total Mobile 102-SW DRAG DEPTH	16
303 /30,463	3/4/2017
305 803,675 To Date: 0 GAS INJECTORS USED DISTRIBUTION OF TIME	
AGITATING DREDGING AND HAULING M	IILES RUN Stat. Miles)
FFECTIVE WORKING TIME	
PUMPING 1;29 89 0:00 0	
TURNING 0:00 0 TO DUMP 5:20 320	
DUMPING 0:32 32	
TO CUT 4:54 294 TOTALS 12:15 735	_
TOTALS 12:15] 735] ION-EFFECTIVE WORKING TIME	
TAKING ON FUEL AND SUPPLIES 8:12 492	
TO AND FROM ANCHORAGE 3:23 203 LOSS DUE TO NATURAL ELEMENTS 0:00 0	
LOSS DUE TO TRAFFIC AND BRIDGES 0:10 10	
MINOR OPERATING REPAIRS 0:00 0	
TRANSFERRING BETWEEN WORKS 0:00 0 LAY TIME 0:00 0	
0:00 0	
MISCELLANEOUS 0:00 0	
TOTALS 11:45 705	
MAJOR REPAIRS AND ALTERATIONS 0:00	
CESSATION 9:00	
TOTAL LOST TIME 0:00 0	
TOTAL TIME IN PERIOD 1440	
AVERAGE SPEED OF DREDGE MINUTES RADAR IN USE 0:00 1440	
.OADING FEET / MINUTE TIDE DATA WAS OBTAINED BY MEANS OF GAGE: NOAA tide gauge at Dog River Bridge.	
AGITATING WEATHER: Winds 5 kts, Waves 1-2 ft	
GALS OF FUEL OIL CONSUMED 1872	
GALS OF WATER CONSUMED 896 FIELD REMARKS:	

agreniuk@dutragrou p.com 2017.12.03 08:54

			BREA	KDOW	N OF L	DADS I	DREDG	ED AN	ID HAI					/	Sati	urday, De	cember 02, 201
	TIME P	PUMP			MINU	TES			(s of in					DEPTH IPLES	REPORT: 101
LOAD No.	STARTED	STOPPED	PUMPING	TURNING	TO DUMP	DUMPING	TO CUT	TOTAL	SOLIDS ***	SUSPENDED SOLIDS	BIN WATER SOLIDS	TOTAL **	PER PUMPING MINUTE	PER ELAPSED MINUTE	DENSITY GMS/LITER ***	% SOLIDS (IN PLACE)	
305 306	1748 2155	1819 2226	31		109 94	4	113 93	257 218				2635					
	AV	ERAGE									DATA						

492 min @ 0% - Taking on Fuel / Supplies 10 min @ 70% - Traffic

NOTE:

WHEN LOAD IS DREDGED WITH HOPPERS UNWATERED, INDICATE BY LETTER "U"

DISTRICT		-	Task Orde	-17-D-0092 er 0001		S		ENGCV	REPORTS CO	NTROL SYMBOL	
EXACTLOCAS		U.	S. ARMY COE,	MORILE	CTDIS			CHGCY	v-0-13	REPORT:	
EXACT LOCATION Mobile	ON OF WORK Harbor Ship Ch			ODICE DI	STRICT			DREDGE			
									M/V CC	DLUMBIA	
AVIENOT	ola 17	0+00 to 1340	+00				MAINTENANCE	DATE		- India	
AV LENGTH OF C	T	6000	FT				NEWWORK	NUMBER OF PER	Sun	day, December 0	
AV DIST TO DUMI NAVIGATION AND	0.5	9.14	FT DENS	ITY OF MA	CHARACTER OF	MATERIA	THE WORK	14.0-	RSONS IN CRE	W	3, 201
	OTHER DREE	GING AIDS:	Describe and in	ITY OF WA	TER	1.045	gms/liter	14 Crew + 2 Obse HOPPER CAPACI AV VOL OF BIN W	rvers + 1 QC +	1 Boat Captain	3
NAVIGATION AND		RADAR,	DIGITAL CYCO	ciude statei	ment on adequacy	and recom	gms/liter	AV VOL OF BIN W AV UNFILLED CAP	ATER	4387	CU
	000	WORK	DEPTH GIRO	COMPASS	INTERFACED WI	TH DIFFE	DEALTH	AV VOL OF BIN W AV UNFILLED CAP SPLAYED WITH HYP	ACITY	0	CU
NO OF LOADS	TOT CU YD	HAULING	PERFORMED				KENTIAL GPS, DIS	PLAYED WITH HYP	PACK		
Previous Total	15,810	DIS	POSAL AREA			-	DRAFT FOR LOAD	NO	1,500		
305 311	803,675	Mo	bile 102-SW	Today:	TOT CU YDS		FORWARD		LIGHT	AVG	_
911	819,485			Prev:		- /	ORAC DEP		- 8	LOAD	
				To Date:	0		VUICATORSIACE	CHECKER	10	16	
EFFECTIVE WORKING PUMPING	G TIME			AG	DISTRIBUTION	OF TIME	AS INJECTORS U	SED ON		8/4/2017	
TURNING				(M	linutes)	T	DREDGIN	G AND HAULING			_
TO DUMP DUMPING							- (Minutes)		MILES RUN	
TO CUT TOTALS								3:02		(Stat. Miles)	
NON-FEEF	VINIO					-		0:12	182		
IO AND ESTAIN	U SUPPLIES	_						9:48	588 24		
								10:34	634		
								0:00	1440		-
TRANSFERRING BETV LAY TIME	VEEN WORKS							0:00	0		
								0:00	0		
MISCELLANEOUS TOTALS								0:00	0		_
ST TIME	ACT TO SERVICE							0:00	0		
MAJOR REPAIRS AND A CESSATION COLLISIONS	LTERATIONS							0:00	0		
OTAL LOOP								0:00	0		\dashv
DTAL TIME IN PERIOD	- 77	10						0:00			
SPEED OF DREE	OGE 144					-		0:00			\exists
DING ATING		FEET/MIN	UTE	MINUTE	S RADAR IN USE			0:00	0		-
SOFFIE	1ED	220	4	1	WAS OBTAIN	ED BY ME	ANS OF	0:00 144			
OF FUEL OIL CONSUME ARKS:	D	1989		WEATHE	R: Winds 5	kts, Wav	GAGE: NOAA tio	le gauge at Dog Rive	0		1
dono		800		FIELD		, wav	es 1-2 ft	gauge at Dog Rive	er Bridge.		
100% Day											1
											-
											1
TED BY:											1
-5 B1;											
ORM 27A, Apr 73		_									
10				1055						- 1	
		REP	LACES COST F	(SEE RE	VERSE SIDE						

		200	1	DICEA	KDOW		OADS	KEDO	LD AIN			YARD	SRET	AINED			nday, Dec	ember 03, 2017 REPORT:
		TIME	PUMP			MINU	ITES					s of in p					IPLES	102
LOAD No.	UNWATERED	STARTED	STOPPED	PUMPING	TURNING	TO DUMP	DUMPING	TO CUT	TOTAL	SETTLED SOLIDS ***	SUSPENDED SOLIDS ***	BIN WATER SOLIDS	TOTAL **	PER PUMPING MINUTE	PER ELAPSED MINUTE	DENSITY GMS/LITER ***	% SOLIDS (IN PLACE) ***	
306 307 308 309 310 311 312		209 634 1034 1440 1905 2309	245 704 1100 1518 1939 2339	30 30 26 32 34 30	6	14 109 108 118 115 103 21	4 4 4 4 4	111 116 98 98 108 103	18 260 258 246 255 249 154				2635 2635 2635 2635 2635 2635					
		AVE	RAGE				1										1 21	
UMPI	NG '	TIME (N	INUTE	S)	ECONO	MIC LO	DAD (C				TEST	LOAD	No.		DATE	OF TEST		
EMAF	RKS			0 0														

		tental of Hopp W91		and Atte -0092	ER DREDGES ndant Plant			REPOI ENGCW-0-13	RTS CONTR	ROL SYMBOL REPORT: 103
DISTRICT		U.S. ARMY C			RICT			DREDGE	M / V COLU	UMBIA
		0.0.71407	924 (1105	, cc p. c	901				21.4.5.2.2	
EXACT LOCATION	l OF WORK arbor Ship Channel, Mo	hile Al					MAINTENANCE	DATE	Monda	ay, December 04, 2017
WOOME THE	Dredge Are							NUMBER OF PERSON		V
	Sta 1280+00 to	1340+00]	NEW WORK	14 C 2 Ob		18
AV LENGTH OF C	UT 6000	FT			CHARACTER OF	MATERIA		14 Crew + 2 Observers HOPPER CAPACITY	+100+1	4387 CU YDS
AV WIDTH OF CU	T 400	FT		Y OF MAT		1,045	gms/liter	AV VOL OF BIN WATE		0 CU YDS
AV DIST TO DUMP	OTHER DREDGING	Sta. MILE				1.006 and recom	gms/liter mendations.)	AV UNFILLED CAPAC	II Y	0 CU YDS
								SPLAYED WITH HYPA	ск	
		WORK PERFO	RMED				DRAFT FOR LOA	AD NO		AVG
	DREDGING AND HAL	ILING			AGITATING	4	15.J.(27. T		LIGHT	LOADED
NO OF LOADS	TOT CU YDS	DISPOSAL	AREA	Tedera	TOT CU YDS		FORWARD		10	16
6 Previous Total	15,810	Mobile 10	2-SW	Today:	0		DRAG DEPTH		10	10
311	891,485	in delice it		Prev:	0		INDICATORS LA	ST CHECKED ON		8/4/2017
317	907,295			To Date:	0	DN 65.50	GAS INJECTORS	USED		
			_	Δ	DISTRIBUTI GITATING	ON OF TH		GING AND HAULING		MILES RUN
			1000		(Minutes)		2,095	(Minutes)		(Stat. Miles)
EFFECTIVE WOR	KING TIME			_				2:39	159	
PUMPING TURNING			139.55 MINES	温度はた				0:07	7	
TO DUMP			1272	iles Tortes		A 5000		10:19	619	
TO CUT			51. 在1960年1973 17. 17. 17. 17. 17. 17. 17. 17. 17. 17.					0:33 9:49	33 589	
TOTALS			学院	建筑线点等	AND THE STATE OF	4.		23:27	1407	
NON-EFFECTIVE			FIT EN LEV	A Comment				0:00	0	
TO AND FROM	EL AND SUPPLIES ANCHORAGE				1472			0:00	0	
LOSS DUE TO I	NATURAL ELEMENTS		地震	1600		Carry Com		0:00	0	
MINOR OPERA	TRAFFIC AND BRIDGE	ES						0:05	5 28	
	G BETWEEN WORKS			37 5 7 20 2				1 0:00	0	
LAY TIME								0:00	0	
MISCELLANEO	US							0:00	0	
TOTALS			1		e stylen, in t			0:33	33	
LOST TIME	S AND ALTERATION							0:00	-	
CESSATION	S AND ALTERATION	3						0:00		
COLLISIONS								0:00		
TOTAL LOST TI		1440				The Parties of the Pa		0:00	0	
AVERAGE SPEED					MINUTES RADA			0:00	1440	
		FEET / M			TIDE DATA WA	S OBTAIN	ED BY MEANS OF	NOAA tide gauge at D	na Divar Dri	idaa
LOADING AGITATING		220)		WEATHER:	Winds	5 kts, Waves 1-2 f		og River bit	lage.
GALS OF FUEL O	IL CONSUMED	375	1							
GALS OF WATER	CONSUMED	56			FIELD					
REMARKS:	5 min @ 70% Traffi 28 min @ 0% Mino									
SUBMITTED BY:										
					(SEE REVI	EDGE GIO	EV			
ENG FORM 27A	Apr 73		REPL	ACES COS			HIGH MAY BE US	ED.	_	

		3,,,,,	LOOW	01 L	OADS I	DIVEDO	LU AN	D HAL								cember 04, 2017
TIME	PUMP			MINU	JTES		12	(TAINED naterial			DEPTH IPLES	REPORT: 103
STARTED	STOPPED	PUMPING	TURNING	TO DUMP	DUMPING	TO CUT	TOTAL	SETTLED SOLIDS ***	SUSPENDED SOLIDS ***	BIN WATER SOLIDS	TOTAL **	PER PUMPING MINUTE	PER ELAPSED MINUTE	DENSITY GMS/LITER ***	% SOLIDS (IN PLACE)	
322 736 1151 1632 2042 2042	406 801 1224 1704 2114 2114	37 25 33 32 32 32	7	87 99 107 108 112 106 106	4 4 13 4 4 4	111 107 105 108 102 102 56	91 258 252 250 256 244 244 56				2635 2635 2635 2635 2635 2635					
AVE	RAGE															
IME /M	INUTE	S I In	CONO	MICLO	DAD (C					ATA A DAO.	lo.		DATE	OF TEST		
	322 736 1151 1632 2042 2042	322 406 736 801 1151 1224 1632 1704 2042 2114	322 406 37 736 801 25 1151 1224 33 1632 1704 32 2042 2114 32 2042 2114 32	322 406 37 7 736 801 25 1151 1224 33 1632 1704 32 2042 2114 32 2042 2114 32	322 406 37 7 99 736 801 25 107 1151 1224 33 108 1632 1704 32 112 2042 2114 32 106 2042 2114 32 106	322 406 37 7 99 4 736 801 25 107 13 1151 1224 33 108 4 1632 1704 32 112 4 2042 2114 32 106 4 2042 2114 32 106 4	322 406 37 7 99 4 111 736 801 25 107 13 107 1151 1224 33 108 4 105 1632 1704 32 112 4 108 2042 2114 32 106 4 102 2042 2114 32 106 4 102 56	322 406 37 7 99 4 111 258 736 801 25 107 13 107 252 1151 1224 33 108 4 105 250 1632 1704 32 112 4 108 256 2042 2114 32 106 4 102 244 2042 2114 32 106 4 102 56 56 56	No. No.	322	322	322	322	322	322 406 37 7 999 4 111 258 2635 736 801 25 107 13 107 252 2635 1151 1224 33 108 4 105 250 2635 1632 1704 32 112 4 108 256 2635 2042 2114 32 106 4 102 244 2635 2042 2114 32 106 5 56 56	322

** TOTAL CUBIC YARDS RETAINED = SETTLED SOLIDS + SUSPENDED SOLIDS - BIN WATER SOLIDS OR DETERMINED DIRECTLY

BY YARDAGE METER
*** NOT NECESSARY WHEN MEASURING LOAD BY YARDAGE METER

OF PERSON	NS IN CREW s + 1 QC + 1 I ER	y, December 05, 2017
2 Observers CAPACITY OF BIN WATE LED CAPAC	NS IN CREW s + 1 QC + 1 I ER	18 Boat Captain 4387 CU YDS
2 Observers CAPACITY OF BIN WATE LED CAPAC	NS IN CREW s + 1 QC + 1 I ER	18 Boat Captain 4387 CU YDS
2 Observers CAPACITY OF BIN WATE LED CAPAC	s + 1 QC + 1 I	18 Boat Captain 4387 CU YDS
CAPACITY OF BIN WATE LED CAPAC	ER	Boat Captain 4387 CU YDS
F BIN WATE LED CAPAC		
LED CAPAC		0 00 100
WITH HYPAC		0 CU YDS
	ck .	
		AVG
	LIGHT 8	LOADED 16
	10	16
ED ON		8/4/2017
HAULING		MILES RUN
	-	(Stat. Miles)
agel	146	
0:10	10	
9:10	550	
20,40		
0:00		
0:15	15	
0:00	0	
0:00	0	
0:00	0	
0:15	15	
0.00[
0:00		
0:00		
0:00	0	
0:00	1440	
	Bloom B 11	
e gauge at D	og River Brid	ige.
	9:10 0:27 11:32 23:45 0:00 0:00 0:00 0:00 0:00 0:00 0:00 0	ED ON 2:26

	T	TIME F	IIMP T	DREA	KDOW	MINU	OADS I	JREDG	ED AN			YARD	S RET	AINED			sday, De	cember 05, 2017 REPORT:
ċ		TIME	OWIF			WINC	ILES		300	(In term	s of in p)		IPLES	104
LOAD No.	UNWATERED	STARTED	STOPPED	PUMPING	TURNING	TO DUMP	DUMPING	TO CUT	TOTAL	SETTLED SOLIDS ***	SUSPENDED SOLIDS ***	BIN WATER SOLIDS	TOTAL **	PER PUMPING MINUTE	PER ELAPSED MINUTE	DENSITY GMS/LITER ***	% SOLIDS (IN PLACE) ***	
318 319 320 321 322 323		55 502 936 1346 1829	123 542 1002 1417 1900	28 30 26 31 31	10	97 105 108 124 116	4 4 4 11	55 118 110 112 124 173	184 267 248 271 282 173				2635 2635 2635 2635 2635					
			RAGE								OAD I							
		TIME (M	INUTE	S) E	CONO	MIC LC	AD (C	u . Ya	s)		TEST	A DAO.	lo.		DATE C	OF TEST		
MAR	NS.		1	5 min (0 0	D 70%	Traffi	С											

		Rental of Hoppe W912				REPOR ENGCW-0-13	TS CONT	REPORT: 105
DISTRICT	4	U.S. ARMY CO	E, MOBI	LE DISTRICT		DREDGE	M / V COL	LUMBIA
EXACT LOCATION Mobile Har	OF WORK bor Ship Channel, M	lobile AL			MAINTENANCE	DATE		esday, December 06, 2017
	Dredge Ar Sta 494+00 to	554+00			NEW WORK	NUMBER OF PERSON 14 Crew + 2 Observers		18 1 Boat Captain
AV LENGTH OF CU AV WIDTH OF CUT AV DIST TO DUMP	400 34.03	Sta. MILE	DENSITY	OF WATER 1	.045 gms/liter .006 gms/liter	AV VOL OF BIN WATE AV UNFILLED CAPAC		4387 CU YDS 0 CU YDS 0 CU YDS
NAVIGATION AND I		2012		de statement on adequacy and DMPASS INTERFACED WITH		SPLAYED WITH HYPAC	к	
		WORK PERFOR	RMED		DRAFT FOR LOA	D NO		AVG
	REDGING AND HA		ADEA I	AGITATING TOT CU YDS	FORWARD		LIGH 8	T LOADED
NO OF LOADS	7,905	DISPOSAL	AREA	Today: 0	AFT		10	
Previous Total	7,500	Mobile 102	-SW		DRAG DEPTH			
322	920,470	1		Prev: 0		ST CHECKED ON		8/4/2017
325	928,375	1		To Date: 0	GAS INJECTORS	USED		
				DISTRIBUTION AGITATING (Minutes)		GING AND HAULING (Minutes)	- 1	MILES RUN (Stat. Miles)
EFFECTIVE WORK	ING TIME			(Williams)		(Williams)		(State Miles)
PUMPING					TO SECOND	2:07	127	
TURNING TO DUMP						10:08	608	
DUMPING			aller State of the			0:58	58	
TO CUT				深刻的"不同的民族"在"在发展"	REAL PROPERTY.	10:33	633	
TOTALS						23:46	1426	
NON-EFFECTIVE W			100		10000	0:00	0	
TO AND FROM A	L AND SUPPLIES			Maria Caranta de Caran	State	0:00	0	
	ATURAL ELEMENT	S	17 381/02		100	0:00	0	
	RAFFIC AND BRIDG	SES	and a second		TO ME TO SERVICE OF THE PERSON	0:00	0	
MINOR OPERAT			2000		The state of the s	0:00	14	
LAY TIME	BETWEEN WORKS	S	A City		9.3036	0:00	0	
LAT TIME			777		Tax e	0:00	0	
MISCELLANEOU	S		NOTE OF SECTION	A Comment of the Comm	1000年100	0:00	0	
TOTALS				第二年5月2日至100mm,200mm,200mm。 第二年5月2日至100mm,200mm,200mm。		0:14	14	
LOST TIME			7.04		6.00	0:00		
CESSATION	S AND ALTERATION	NS.				0:00		
COLLISIONS				and the second second		0:00		
TOTAL LOST TIM						0:00	0	
TOTAL TIME IN P		1440		Description of the second	Lier	0:00	1440	
AVERAGE SPEED	OF DREDGE	FEET/MIN	NUTE	MINUTES RADAR IN TIDE DATA WAS O	BTAINED BY MEANS OF			Ridon
LOADING AGITATING		220		WEATHER: W	Inds 5 kts, Waves 1-2 f		og raver E	onage.
GALS OF FUEL OIL	CONSUMED	2941		WEATHER. 31	moo o ma, marco i z i			
	141400000000000000000000000000000000000	1496	1	FIELD				
GALS OF WATER OR REMARKS:	CONSUMED 14 min @ 0% Mino			FIELD				
SUBMITTED BY:								

		TIME	ump.	DIVER	KDOW	N OF L		JKEDG	ED AN			YARD	S RET	AINE)		nesday, D DEPTH	December 06, 20° REPORT:
	Ω.	TIME P	OMP			MINU	ITES					s of in p)		IPLES	105
LOAD No.	UNWATERED	STARTED	STOPPED	PUMPING	TURNING	TO DUMP	DUMPING	TO CUT	TOTAL	SETTLED SOLIDS ***	SUSPENDED SOLIDS ***	BIN WATER SOLIDS	TOTAL **	PER PUMPING MINUTE	PER ELAPSED MINUTE	DENSITY GMS/LITER ***	% SOLIDS (IN PLACE)	
323 324 325 326		28 738 1530 2239	102 806 1602 2312	34 28 32 33		171 185 204 48	4 50 4	28 221 195 189	237 484 435 270				2635 2635 2635	123				
JMPII EMAR	RKS	TIME (M		14 min (0 0	@ 0% -	OMIC LC	Repairs	Cu . Yo	is)			LOAD 1				DF TEST		

		Rental of Hop WS				REPO ENGCW-0-13		TROL SYMBOL REPORT: 106
DISTRICT		M6-14-7		THE CHAPTER AS		DREDGE	700-250	
		U.S. ARMY	COE, MOE	BILE DISTRICT			M / V COL	LUMBIA
EXACT LOCATION		Len. At			- Milana A. W. A.	DATE		A CONTRACTOR OF THE PARTY OF TH
Wobile H	arbor Ship Channel, N Dredge A			Market 1	MAINTENANCE	NUMBER OF PERSO	Thurs	day, December 07, 2017
	Sta 494+00 to				NEW WORK	NOMBER OF PERSO	NS IN CRE	17
AV LENGTH OF C	UT 6000	FT	T	CHARACTER OF MATE	RIAI	13 Crew + 2 Observer HOPPER CAPACITY	s + 1 QC +	
AV WIDTH OF CU	T 400	FT		Y OF MATERIAL 1.	045 gms/liter	AV VOL OF BIN WAT	ER	4387 CU YDS 0 CU YDS
AV DIST TO DUMP NAVIGATION AND	OTHER DREDGING	Sta. MILE AIDS: (Descrit	DENSIT	Y OF WATER 1. ude statement on adequacy and re	006 gms/liter	AV UNFILLED CAPAC	YTY	0 CU YDS
				OMPASS INTERFACED WITH D		SPLAYED WITH HYPA	СК	
		WORK PERF	ORMED		DRAFT FOR LOA	D NO	_	AVG
NO OF LOADS	DREDGING AND HAI TOT CU YDS	DISPOSA	LABEA	AGITATING	- convince		LIGH	T LOADED
3	7,905	DISPUSA	LAREA	TOT CU YDS Today: 0	FORWARD		10	16
Previous Total		Mobile 1	02-SW		DRAG DEPTH		10	10
325 328	856,375 864,280			Prev: 0 To Date: 0	INDICATORS LAS			8/4/2017
020	004,200			DISTRIBUTION O	GAS INJECTORS	USED		
				AGITATING		ING AND HAULING		MILES RUN
EFFECTIVE WORK	KING TIME			(Minutes)		(Minutes)		(Stat. Miles)
PUMPING TURNING						1:40	100	
TO DUMP			7 55			0:00	660	
DUMPING			8.			0:12	12	
TO CUT TOTALS			100			9:36	576	
NON-EFFECTIVE V		2.			2600	22:28	1348	
TAKING ON FUE TO AND FROM	L AND SUPPLIES		1			0:00	0	
LOSS DUE TO N	IATURAL ELEMENTS		45		311	0:00	0	
LOSS DUE TO T	RAFFIC AND BRIDG	ES				0:20	20	
	BETWEEN WORKS		1 - 1-17			0:00	72	
LAY TIME			Charles and		-2	0:00	0	
MISCELLANEOL	JS					0:00	0	
TOTALS			VIV.			0:00	92	
LOST TIME MAJOR REPAIR	S AND ALTERATION	9	6.08		M			
CESSATION	O AND ALILIONION		W. C. W.		101	0:00		
TOTAL LOST TIM	ıc					0:00		
TOTAL TIME IN F		1440	2713			0:00	0	
AVERAGE SPEED	OF DREDGE			MINUTES RADAR IN U		0:00	1440	
LOADING		FEET / M	7 1 1 1 1 1 1 1 1 1	TIDE DATA WAS OBT		NOAA tida sausa et D	- Dive- D-	ra
AGITATING				WEATHER: Wine	ds 25 kts, Waves 2-5 ft	NOAA tide gauge at Do	g River Br	iage.
GALS OF FUEL OIL GALS OF WATER (2267		FIEL B				
REMARKS:	201420MED	56		FIELD				
	'2 min @ 0% Minor 10 min @ 70% Trafl							
O IDA APPRICA DO								
SUBMITTED BY:								
ENG FORM 27A,			DEDI M	(SEE REVERSE S CES COST FORM 27A, 1 SEP 63	SIDE)			

	TIME P	PUMP			MINU	TES					S YARD		naterial)	MID-	DEPTH IPLES	REPORT: 106
LOAD No. UNWATERED	STARTED	STOPPED	PUMPING	TURNING	TO DUMP	DUMPING	TO CUT	TOTAL	SETTLED SOLIDS ***	SUSPENDED SOLIDS ***	BIN WATER SOLIDS	TOTAL **	PER PUMPING MINUTE	PER ELAPSED MINUTE	DENSITY GMS/LITER ***	% SOLIDS (IN PLACE) ***	
326 327 328 329	653 1402 2055	726 1437 2127	33 35 32		148 170 189 153	4 4 4	191 200 185	152 398 428 370				2635 2635 2635					
	AVE	RAGE															
	AVE	RAGE						FOON	21110	LOAD							

REMARKS

72 min @ 0% -- Minor Repairs 20 min @ 70% - Traffic

NOTE:

WHEN LOAD IS DREDGED WITH HOPPERS UNWATERED, INDICATE BY LETTER "U"

** TOTAL CUBIC YARDS RETAINED = SETTLED SOLIDS + SUSPENDED SOLIDS - BIN WATER SOLIDS OR DETERMINED DIRECTLY BY YARDAGE METER
*** NOT NECESSARY WHEN MEASURING LOAD BY YARDAGE METER

				e and Atter 0-0092				REPO ENGCW-0-13	RTS COM		YMBOL PORT:	107
DISTRICT		U.S. ARMY C			ICT			DREDGE	M/VCC	DLUMBIA		
EXACT LOCATION Mobile H	N OF WORK arbor Ship Channel, M Dredge Ar Sta 494+00 to	ea 6					MAINTENANCE NEW WORK	DATE NUMBER OF PERSON	NS IN CR	EW	cember 08,	
AV LENGTH OF C AV WIDTH OF CU AV DIST TO DUME NAVIGATION AND	T 400	FT FT Sta. MILE	DENSIT	Y OF MATE	-R	1.045	gms/liter	13 Crew + 2 Observer HOPPER CAPACITY AV VOL OF BIN WAT AV UNFILLED CAPAC	ER	+ 1 Boat	4387 0 0	CU YDS CU YDS CU YDS
								SPLAYED WITH HYPA	ск			
		WORK PERFO	RMED				DRAFT FOR LOA	D NO		_	AVG	
No or Louga I	DREDGING AND HAL			,	AGITATING		September 1		LIGI			ADED
NO OF LOADS	TOT CU YDS 10,540	DISPOSAL	AREA	Todous	TOT CU YDS		FORWARD		8			16
Previous Total	10,040	Mobile 10	2-SW	Today:	0		DRAG DEPTH		10)		16
328	864,280			Prev:	0		INDICATORS LAS	ST CHECKED ON			8/4/2017	
332	874,820			To Date:	0		GAS INJECTORS	USED				-
		4	-		DISTRIBUTI	ON OF TIM		NII 100 1111				
					Minutes)		DREDG	SING AND HAULING (Minutes)			MILES RU (Stat. Mile:	
EFFECTIVE WORK	KING TIME							(Militares)			Idiat. IVIIIe.	3/
PUMPING TURNING			1/2000			-		1:32	92			
TO DUMP			W 2007	240 300	19.00			0:00 9:46	586			
DUMPING				50				0:16	16	_		
TO CUT					(1) (1) (1) (1) (1) (1) (1) (1) (1) (1)			12:26	746			
TOTALS	WORKING TIME		150	13 500				0:00	1440			
TAKING ON FUE	EL AND SUPPLIES	-						0.00	-			
TO AND FROM			- X - V		AND THE RESERVE			0:00	0			
	NATURAL ELEMENTS		A 10	18.5 E N		7		0:00	0	_		
	RAFFIC AND BRIDGE	ES	- 10		115 15 15 15	U		0:00	0			
MINOR OPERAT	TING REPAIRS 3 BETWEEN WORKS		- Tarin					0:00	0			
LAY TIME	S DETWEEN WORKS							0:00	0	-		
			TL.	2 016	10 - V 1 - 10e	100		0:00	0			
MISCELLANEOU	JS		A SHE					0:00	. 0			
TOTALS LOST TIME				Y .	BM C WES			0:00	0			
	S AND ALTERATION	8						0:00				
CESSATION			William .		7			0:00	-	_		
COLLISIONS				10				0:00				
TOTAL LOST TIL		440	B. Tall		والرا	2 1 1		0:00	0			
TOTAL TIME IN F AVERAGE SPEED		1440		- Ix	INUTES RADAR	IN LISE		0.00	1410			
		FEET / MI	NUTE				D BY MEANS OF	0:00	1440	_		
LOADING		220					GAGE:	NOAA tide gauge at Di	og River I	Bridge.		
AGITATING GALS OF FUEL OI	CONDUNE	1000	_	V	VEATHER:	Winds 2	5 kts, Waves 2-5 f	t				
GALS OF FUEL OF		4023 935		-	TELD				2			
REMARKS:	OUNCOMICO	900			IELD	_				_		
	100% Day											
SUBMITTED BY:												
SUBMITTED BY.												
ENG FORM 27A				- 17 to 1 to 1	(SEE REVE	RSE SIDE						

TO COT 187 398 214 427 185 414 160 160	CUBIC YARDS RETAIN (In terms of in place mate) SORIDS *** SORIDS ** SORIDS *** SORIDS *** SORIDS *** SORIDS *** SORIDS *** SORIDS *** SORIDS ** S	rial) SAMPLES	REPORT: 107
41 187 398 214 427 185 414	SUSPENDED SOLIDS *** SUSPENDED SOLIDS *** BIN WATER SOLIDS *** TOTAL ** PER PUMPING		
187 398 214 427 185 414	2635 2635 2635		1
	The state of the s	DATE OF TEST	
	ECONOMIC 1. Yds)	ECONOMIC LOAD DATA 1. Yds) TEST LOAD No.	

NOT NECESSARY WHEN MEASURING LOAD BY YARDAGE METER

				and Attend -0092				REPO ENGCW-0-13		NTROL S REF	YMBOL PORT: 108
DISTRICT		T. C.	Taras i					DREDGE			
		U.S. ARMY	OE, MOB	ILE DISTRIC	CT				M/VC	OLUMBIA	A
EXACT LOCATION		LAD S. A			72.5		Te	DATE			
Mobile Ha	arbor Ship Channel, Mo Dredge Are					47	MAINTENANCE	NUMBER OF BEROO			ecember 09, 2017
	Sta 494+00 to			44		1	NEW WORK	NUMBER OF PERSO	NS IN C	KEW	17
AV LENGTH OF CU	JT 6000	FT	1	CL	IARACTER OF N	MATERIAL		13 Crew + 2 Observer	s + 1 QC	+ 1 Boat	Captain
AV WIDTH OF CUT	400	FT	DENSIT	OF MATER		1.045	gms/liter	AV VOL OF BIN WAT	ER		4387 CU YDS 0 CU YDS
AV DIST TO DUMP	34.03 OTHER DREDGING	Sta. MILE	DENSIT	OF WATE	R	1.006	ome/liter	AV UNFILLED CAPAC			0 CU YDS
in the state of th								SPLAYED WITH HYPA	СК		
		WORK PERFO	RMED				DRAFT FOR LOA	D NO		_	AVG
	DREDGING AND HAL	LING			AGITATING				LIG	HT	LOADED
NO OF LOADS	TOT CU YDS 7,905	DISPOSA	AREA	Today:	TOT CU YDS 0		FORWARD		8		16
Previous Total	7,500	Mobile 10	2-SW	Today.	U		DRAG DEPTH		- 1	U	16
333	874,820			Prev:	0		INDICATORS LAS				8/4/2017
335	882,725			To Date:	DISTRIBUTIO		GAS INJECTORS	USED			
		- 1		AGI	TATING	N OF TIM		SING AND HAULING		-	MILES RUN
EFFECTIVE WORK	ING TIME			(M	inutes)		31,000	(Minutes)			(Stat. Miles)
PUMPING	ING TIME							2:07	127	_	
TURNING TO DUMP			W. 30.	- 4	1 /2	3 34		0:00	0		
DUMPING			Tel meres					11:23	683 12		
TO CUT			M/sg					9:38	578		
TOTALS NON-EFFECTIVE V	VORKING TIME		E TO		A Part of the second	1 (2.2)		23:20	1400		
TAKING ON FUE	L AND SUPPLIES				(Regulation	delle se	7	0:00	0	-	
TO AND FROM A	NCHORAGE ATURAL ELEMENTS			100				0:00	0		
	RAFFIC AND BRIDGE			The state				0:00	0 40	-	
MINOR OPERAT				100	August 199	27.0		0:00	0		
LAY TIME	BETWEEN WORKS					7		0:00	0		
Alleger I III ee			2 (4)	1000		18 W 20	2	0:00	0		
MISCELLANEOU	S							0:00	40		
LOST TIME	CALLY AND ALLE				79561 a U			0:40	40		
MAJOR REPAIRS CESSATION	S AND ALTERATIONS	3	100		Color Committee	Mary San		0:00			
COLLISIONS								0:00			
TOTAL LOST TIM				37.46	- 30	- 2///3		0:00	0		
TOTAL TIME IN P AVERAGE SPEED		440		IM	NUTES RADAR	INTISE		0:00	1440		
Latin Control		FEET/M					D BY MEANS OF	A SULL COMMON OF			
LOADING AGITATING		220		14/	EATHER:	Winde F		NOAA tide gauge at D	og River	Bridge.	
GALS OF FUEL OIL		2840			EXTITEIX.	Willias 5	To Kis, Waves 2 I				
GALS OF WATER O	CONSUMED	561		FI	ELD						
GALS OF FUEL OIL GALS OF WATER O REMARKS:		561				Winds 5-	10 kts, Waves 2 f				
					/055 DELGE	OF SIDE					
ENG FORM 27A,	Apr 73		REPLAC	CES COST F	(SEE REVER ORM 27A, 1 SE		ICH MAY BE USE	D			

-	_			DKEA	KDOW	N OF L	OADS I	DREDG	ED AN									cember 09, 2017
		TIME P	PUMP	1		MINU	ITES						OS RET				DEPTH IPLES	REPORT; 108
LOAD No.		STARTED	STOPPED	PUMPING	TURNING	TO DUMP	DUMPING	TO CUT	TOTAL	SOLIDS ***	SUSPENDED SOLIDS ***	BIN WATER SOLIDS	TOTAL **	PER PUMPING MINUTE	PER ELAPSED MINUTE	DENSITY GMS/LITER ***	% SOLIDS (IN PLACE)	
333 334 335 336		25 716 1413 2056	54 746 1449 2128	29 30 36 32		182 173 176 152	4 4 4	25 196 180 177	240 403 396 361				2635 2635 2635					
MPING			ERAGE MINUTE			DMIC LC		_		_	LOAD TEST I	DATA LOAD I	No.		DATE (DF TEST		

				e and Atte 0-0092				REPO ENGCW-0-13		NTROL SYN REPO		109
DISTRICT		U.S. ARMY			RICT			DREDGE	M/VC	DLUMBIA		
EXACT LOCATION	LOE WOOK		1,3,35						57,057			
	arbor Ship Channel, M	Mobile AL			\$10mm		MAINTENANCE	DATE	Su	nday, Dece	mher 10	2017
2012230	Dredge A	rea 6					110 1111 2111 1102	NUMBER OF PERSO			inder 10	, 2017
100000	Sta 494+00 t	0 554+00					NEW WORK				17	
AV LENGTH OF C	UT 6000	FT	1		CHARACTER OF	MATERIA		13 Crew + 2 Observer	s + 1 QC	+ 1 Boat Ca		OHVDO
AV WIDTH OF CU	T 400	FT	DENSIT	Y OF MAT		1.045	gms/liter	AV VOL OF BIN WAT	ER		4387	CU YDS
AV DIST TO DUMP		Sta, MILE	DENSIT	Y OF WAT	ER	1.006	ams/liter	AV UNFILLED CAPAC			0	CU YDS
NAVIGATION AND	OTHER DREDGING							SPLAYED WITH HYPA	2.2			
				OWIPASS	INTERFACED W	II H DIFFE	and the factor of the		CK			
	DREDGING AND HA	WORK PERFO	RMED		AGITATING		DRAFT FOR LOA	DNO		ur I	AVG	ADED
NO OF LOADS	TOT CU YDS	DISPOSAL	AREA		TOT CU YDS		FORWARD		LIG 8			ADED 16
4	10,540	1 9 6 7 7		Today:	0		AFT		10			16
Previous Total	200 705	Mobile 10	2-SW				DRAG DEPTH	a Personal Tomas				
335 339	882,725 893,265			Prev:	0		INDICATORS LAS				1/4/2017	
333	093,203		_	To Date:	DISTRIBUT	ION OF TH	GAS INJECTORS	USED	_			
			11		GITATING (Minutes)	ION OF TH		SING AND HAULING			ILES RU	
EFFECTIVE WORK	CING TIME		-		wiiiutesj			(Minutes)		(5	tat, Mile	(S)
PUMPING								1:40	100			
TURNING TO DUMP			let.			5200		0:00	0			
DUMPING								9:40	580 37			
TO CUT		_			2012 2017			12:03	723		_	
TOTALS			可將張山			gib - Mari		0:00	1440			
NON-EFFECTIVE V TAKING ON FUE	VORKING TIME L AND SUPPLIES		1 5 A F		The state of the s			0:00	0			
TO AND FROM A	ANCHORAGE				25			0:00	0			
LOSS DUE TO N	IATURAL ELEMENT	S	al	- Multi-				0:00	0			
MINOR OPERAT	RAFFIC AND BRIDG	SES						0:00	0			
	BETWEEN WORK	S				21112		0:00	0			
LAYTIME				3.576				0:00	0			
MISSELLANIES	10		Vi- ,-	16 St. 18		Maste M.		0:00	0			
MISCELLANEOU TOTALS	18		1 1 34			1.00		0:00	0			
LOST TIME	TRACT		7 1 25	Page	(4.	125		0:00	0	_		
	S AND ALTERATION	IS			Visit Branch			0:00				
CESSATION								0:00				
TOTAL LOST TIM	ME							0:00				
TOTAL TIME IN F		1440						0:00	0	-	_	
AVERAGE SPEED	OF DREDGE		-		MINUTES RADA		Section 200	0:00	1440			
LOADING		FEET / MI 220	NUTE		TIDE DATA WAS	SOBTAINE	D BY MEANS OF	Mark of	T.	-11		
LOADING AGITATING		220			WEATHER:	Winds 5	kts. Waves < 2 ft	NOAA tide gauge at D	og River	Bridge.		
GALS OF FUEL OIL	CONSUMED	3431			The contract of	***************************************	KIS, WAVES - A II					
GALS OF WATER (REMARKS:		935			FIELD							
	100% Day											
SUBMITTED BY:											-	
ENG FORM 27A					(SEE REVE)					

		TIME F	UMP	DILLA	KDOW	/N OF L		KEDG	ED AN			YARD	S RET	AINED)		nday, Dec DEPTH	cember 10, 2017 REPORT:
· ·	<u>a</u>	Time	OIMI			I	1153				- 51	s of in p	olace n				IPLES	109
LOAD No.	UNWATERED	STARTED	STOPPED	PUMPING	TURNING	TO DUMP	DUMPING	TO CUT	TOTAL	SOLIDS ***	SUSPENDED SOLIDS ***	BIN WATER SOLIDS	TOTAL **	PER PUMPING MINUTE	PER ELAPSED MINUTE	DENSITY GMS/LITER ***	% SOLIDS (IN PLACE)	
336 337 338 339 340		343 1033 1732	415 1104 1809	32 31 37		31 177 185 187	4 4 25 4	188 197 178 160	35 401 438 406 160				2635 2635 2635 2635					
JMPII E MA F		TIME (M		00% D 0 0	ay	DMIC LC		Su . Yo	ls)			OAD N				DF TEST		

The state of the s	IDIQ I		PERATION per Dredg 1278-17-D Order 00	e and Attenda 0-0092	DREDGES ant Plant		REPO ENGCW-0-13	RTS CON		SYMBOL PORT:	110
DISTRICT							DREDGE	100	-		
		U.S. ARMY	COE, MOE	BILE DISTRICT	r		7.000	M/V.CC	LUMBI	A	
EXACT LOCATION C					76.	- 77V 61W	DATE				
Mobile Harb	or Ship Channel, Mo Dredge Ar				(ES 15)	MAINTENANCE		Mo	nday, D	ecember 11, 20)17
	Sta 494+00 to	554+00				NEW WORK	NUMBER OF PERSO 13 Crew + 2 Observer			17	
AV LENGTH OF CUT AV WIDTH OF CUT	6000 400	FT	DENGIT	CHA Y OF MATERI	RACTER OF MA		HOPPER CAPACITY		1 000	4387 C	CU YDS
AV DIST TO DUMP	34 03	Sta MILE	DENSIT	VOEWATER		1.045 gms/liter 1.006 gms/liter	AV VOL OF BIN WAT		-		CU YDS
NAVIGATION AND O							SISPLAYED WITH HYPA	ск			
		WORK PERFO	RMED			DRAFT FOR LO	AD NO		_	AVG	-
NO OF LOADS I	TOT CU YDS	DISPOSAL	ARFA		AGITATING OT CU YDS	FORWARD		LIGI	IT	LOADE	D
3	7,905			Today:	0	FORWARD		10		16	
Previous Total 339	893,265	Mobile 10	2-SW			DRAG DEPTH		- 10	onday, Dec	1 10	
342	901,170			Prev: To Date:	0	GAS INJECTOR	AST CHECKED ON			8/4/2017	
					DISTRIBUTION		9 09ED				
EFFECTIVE WORKIN	IC TIME		1000		ATING utes)	DREC	GING AND HAULING (Minutes)			MILES RUN (Stat. Miles)	
PUMPING	IG TIME						2:11	131			
TURNING TO DUMP				515 W.L			0:00	0			
DUMPING						1.7	10:43 0:12	643			
TO CUT TOTALS				1 5 8 6 1 k	Salle and	British C	9:49	589			
NON-EFFECTIVE WO	RKING TIME		(CVO)		and the second		22:55	1375			
TAKING ON FUEL	AND SUPPLIES			A TENES			0:00	0	_		
TO AND FROM AN	CHORAGE TURAL ELEMENTS		7, 11.				0:00	0			47.3
LOSS DUE TO TRA	AFFIC AND BRIDGE	S			Ulba I		0:00	0 65	-	_	-
MINOR OPERATING B	ETWEEN WORKS				A CHEWAY		0;00	0			
LAY TIME			47.11				0:00	0	_		-
MISCELLANEOUS			3V	C (4)	。 大型 斯克克·克勒尔		0:00	0			
TOTALS						TG/IS	0:00	65	_		
OST TIME	ND ALTERATIONS		13.			W.E.		00			
CESSATION	ND ALTERATIONS										
			-18-		S. Jin		0:00				
TOTAL TIME IN PER		440				2022	0:00	0	0		
AVERAGE SPEED OF		- 7			UTES RADAR IN		0:00	1440			
OADING			NUTE	TID	E DATA WAS OB	Co.					
AGITATING		220		WEA	ATHER: WI	nds 5 kts, Waves < 2	NOAA tide gauge at D	og River B	ridge.		
BALS OF FUEL OIL C	ONSUMED	3200									
REMARKS:	NSUMED	935	-	FIEL	.D						
MAJOR REPAIRS A CESSATION COLLISIONS TOTAL LOST TIME TOTAL TIME IN PER AVERAGE SPEED OF COADING AGITATING GALS OF FUEL OIL C GALS OF WATER CO REMARKS:	RIOD 1 DREDGE	440 FEET / MII 220 3200 935	NUTE	TID	E DATA WAS OB ATHER: WI	TAINED BY MEANS OF GAGE	0:00 0:00 NOAA tide gauge at D	1440	iridge.		

	TIME	PUMP	DREA	KDOW	MINU	-	JKEDG	EU AN		CUBIC	YARD				MID-	DEPTH	REPORT:
LOAD No. UNWATERED	STARTED	STOPPED	PUMPING	TURNING	TO DUMP	DUMPING	TO CUT	TOTAL	SOLIDS ***		BIN WATER of SOLIDS	TOTAL **	PER PUMPING MINUTE	PER ELAPSED MINUTE	DENSITY GMS/LITER ***	% SOLIDS (IN PLACE)	110
341 342 343	741 1420 2147	814 1453 2220	33 33 33		182 184 100	4 4	201 180 189	420 401 322				2635 2635					
	AV	ERAGE						ECON	OMIC	LOAD	DATA						

REMARKS

65 min @ 70% Pay - Traffic

NOTE:

* WHEN LOAD IS DREDGED WITH HOPPERS UNWATERED, INDICATE BY LETTER "U"

** TOTAL CUBIC YARDS RETAINED = SETTLED SOLIDS + SUSPENDED SOLIDS - BIN WATER SOLIDS OR DETERMINED DIRECTLY BY YARDAGE METER

NOT NECESSARY WHEN MEASURING LOAD BY YARDAGE METER

12, 2017 7 CU YDS CU YDS CU YDS OADED 16 16
CU YDS CU YDS CU YDS CU YDS
CU YDS CU YDS CU YDS CU YDS
CU YDS CU YDS CU YDS CU YDS DADED 16 16
CU YDS CU YDS CU YDS CU YDS DADED 16 16
CU YDS CU YDS DADED 16 16
CU YDS DADED 16 16
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16
7
RUN
les)
- 71

		_	Sitter		N OF L	OADS I	JKEDG	EU AN									cember 12, 201
	TIME F	PUMP			MINU	ITES					S of in					DEPTH MPLES	REPORT: 111
LOAD No. UNWATERED	STARTED	STOPPED	PUMPING	TURNING	TO DUMP	DUMPING	TO CUT	TOTAL	SOLIDS ***	SUSPENDED SOLIDS ***	BIN WATER SOLIDS	TOTAL **	PER PUMPING MINUTE	PER ELAPSED MINUTE	DENSITY GMS/LITER ***	% SOLIDS (IN PLACE)	
343 344 345 346 347	501 1239 1943	531 1312 2017	30 33 34		80 178 196 182	4 4 4 4	189 190 191 37	84 401 423 411 37				2635 2635 2635 2635					
Ш	AVE	RAGE					+	-1					-4				
				_			_	ECON									

REMARKS

84 min @ 70% Pay -- Traffic

NOTE:

* WHEN LOAD IS DREDGED WITH HOPPERS UNWATERED, INDICATE BY LETTER "U"

** TOTAL CUBIC YARDS RETAINED = SETTLED SOLIDS + SUSPENDED SOLIDS - BIN WATER SOLIDS OR DETERMINED DIRECTLY BY YARDAGE METER

*** NOT NECESSARY WHEN MEASURING LOAD BY YARDAGE METER

		Rental of Hoppi W91				REPO ENGCW-0-13		NTROL SYME REPOR	
DISTRICT		U.S. ARMY C	DE, MOBIL	E DISTRICT		DREDGE	M/VC	OLUMBIA	
EXACT LOCATION OF W	VORK					DATE		Y-10-11-11-11-11-11-11-11-11-11-11-11-11-	
Mobile	Harbor Ship Cha Dredge Are				MAINTENANCE	William San Land			mber 13, 2017
	Sta 494+00 to				NEW WORK	NUMBER OF PERSON			17
AV LENGTH OF CUT	6000	FT		CHARACTER OF MAT	ERIAL	13 Crew + 2 Observers HOPPER CAPACITY	s + 1 QC		tain 387 CU YDS
AV WIDTH OF CUT AV DIST TO DUMP	400 34.03			OF MATERIAL 1	.045 gms/liter	AV VOL OF BIN WATE			0 CU YDS
NAVIGATION AND OTHE	ER DREDGING	Sta. MILE AIDS: (Describe	and includ	e statement on adequacy and r	.006 gms/liter ecommendations.)	AV UNFILLED CAPAC	ITY	- 2 1	0 CU YDS
	RA	DAR, DIGITAL	GYRO CO	MPASS INTERFACED WITH D	DIFFERENTIAL GPS, DIS	SPLAYED WITH HYPA	ск		
		WORK PERFO	RMED		DRAFT FOR LOA	D NO			AVG
	GING AND HAU OT CU YDS		ADEA T	AGITATING			LIG	HT	LOADED
3	7,905	DISPOSAL		TOT CU YDS Today: 0	FORWARD		1		16
Previous Total		Mobile 102			DRAG DEPTH		- 1		10
346 349	911,710 919,615			Prev: 0 o Date: 0	INDICATORS LAS			8/4	/2017
	010,010			DISTRIBUTION C	GAS INJECTORS OF TIME	OSED			
				AGITATING (Minutes)		GING AND HAULING (Minutes)			ES RUN
EFFECTIVE WORKING T	TIME			(Williates)		(Wilnutes)		(Sta	it. Miles)
PUMPING TURNING						1:42	102		
TO DUMP			ida jali			0:00 9:36	576		
DUMPING TO CUT						0:12	12		
TOTALS						12:30	750 1440		
NON-EFFECTIVE WORK			100			0.00]	1440		
TAKING ON FUEL AND TO AND FROM ANCHO					A Part of the Part	0:00	0		
LOSS DUE TO NATUR	AL ELEMENTS					0:00	0		
LOSS DUE TO TRAFFI		S				0:00	0		
MINOR OPERATING R TRANSFERRING BETY			in 1			0:00	0		
LAY TIME			0.000			0:00	0		
MISCELLANEOUS					1638	0:00	0		
TOTALS					76 31	0:00	0		
LOST TIME				the year librariate,			Ů		
MAJOR REPAIRS AND CESSATION	ALTERATIONS	5	The same		Ulian I	0:00			
COLLISIONS						0:00			
TOTAL LOST TIME TOTAL TIME IN PERIOD	0.1	440	141		Wit.	0:00	0		
AVERAGE SPEED OF DR		440		MINUTES RADAR IN U	JSE	0:00	1440		
		FEET/MIN	IUTE		TAINED BY MEANS OF	CONTRACTOR			
DADIMO		220	-	WEATHER: Win	GAGE: ids 5 kts, Waves 1-2 ft	NOAA tide gauge at Do	og River	Bridge.	
LOADING AGITATING		2002		WEATHER. WIII	ius 5 kis, vvaves 1-2 i				
OADING AGITATING GALS OF FUEL OIL CON- GALS OF WATER CONSU	ISUMED	2200							

		E PUMP	BREA	KDOW	MINU		DREDG	ED AN		CUBIC	YARE s of in				MID-	nesday, [DEPTH MPLES	December 13, 201 REPORT: 112
LOAD No.	STARTED	STOPPED	PUMPING	TURNING	TO DUMP	DUMPING	TO CUT	TOTAL	SOLIDS ***	SUSPENDED SOLIDS ***	BIN WATER SOLIDS	TOTAL **	PER PUMPING MINUTE	PER ELAPSED MINUTE	DENSITY GMS/LITER ***	% SOLIDS (IN PLACE)	
347 348 349 350	0231 0955 1632 2353	0301 1029 1703	30 34 31 7		202 187 187	4 4 4	151 208 172 219	387 433 394 226				2635 2635 2635 2635					
	A	/ERAGE						ECONO	OMIC	LOAD	DATA					1 = 1	

NOTE:

WHEN LOAD IS DREDGED WITH HOPPERS UNWATERED, INDICATE BY LETTER "U"

** TOTAL CUBIC YARDS RETAINED = SETTLED SOLIDS + SUSPENDED SOLIDS - BIN WATER SOLIDS OR DETERMINED DIRECTLY BY YARDAGE METER
*** NOT NECESSARY WHEN MEASURING LOAD BY YARDAGE METER

Number of Persons in Crew	ecember 14, 2017
EXACT LOCATION OF WORK Mobile Harbor Ship Channel, Mobile AL Dredge Area 6 Sta 494+00 to 554+00 Sta 494+00 to 544+00 Sta 494+00 to 544+00 to 544+00 Sta 494+00 to 544+00 to 54	17 Captain 4387 CU YDS 0 CU YDS 0 CU YDS 16 LOADED 16 16 8/4/2017
Mobile Harbor Ship Channel, Mobile AL Dredge Area 6 Sta 494+010 to 554+00 Sta 494+00 to 554+00 NEW WORK NEW WORK NEW WORK 13 Crew + 2 Observers + 1 QC + 1 Boat C	17 Captain 4387 CU YDS 0 CU YDS 0 CU YDS 10 CU YDS AVG LOADED 16 16 16 8/4/2017
Dredge Area 6 Sta 494+00 to 554+00 NEW WORK NEW WORK 13 Crew + 2 Observers + 1 QC + 1 Boat C	17 Captain 4387 CU YDS 0 CU YDS 0 CU YDS 10 CU YDS AVG LOADED 16 16 16 8/4/2017
NEW WORK 13 Crew + 2 Observers + 1 QC + 1 Boat C	AVG
AV LENGTH OF CUT	AVG
AV WIDTH OF CUT	0 CU YDS 0 CU YDS AVG LOADED 16 16 16
NAVIGATION AND OTHER DREDGING AIDS: (Describe and include statement on adequacy and recommendations.) RADAR, DIGITAL GYRO COMPASS INTERFACED WITH DIFFERENTIAL GPS, DISPLAYED WITH HYPACK WORK PERFORMED DREDGING AND HAULING NO OF LOADS TOT CU YDS DISPOSAL AREA TOT CU YDS FORWARD 4 10,540 Today: DRAG DEPTH 349 919,615 Prev: DISTRIBUTION OF TIME AGITATING Mobile 102-SW DISTRIBUTION OF TIME AGITATING MINDICATORS LAST CHECKED ON DISTRIBUTION OF TIME AGITATING Minutes) TURNING TURNING TO DUMP TURNING TO DUMP TO DUMP TO DUMP TO DUMP TO DUMP TO TO LOADS TO TO LOADS TO TO LOADS TO DUMP TO DUMP TO TO LOADS TO TO LOADS TO DUMP TO TO LOADS TO CUT TOTALS NON-EFFECTIVE WORKING TIME TAXING ON THE LOAD OUT TO LOAD NO TO DUMP TO LOAD NO TO LOADS TO LOADS TO LOADS TO LOADS TO LOADS TO CUT TOTALS NON-EFFECTIVE WORKING TIME TAXING ON THE LOADS UPDITIES TO LOADS TO LOA	0 CU YDS AVG LOADED 16 16 16 MILES RUN
RADAR, DIGITAL GYRO COMPASS INTERFACED WITH DIFFERENTIAL GPS, DISPLAYED WITH HYPACK WORK PERFORMED	LOADED 16 16 16 8/4/2017
DREDGING AND HAULING	LOADED 16 16 16 8/4/2017
NO OF LOADS	LOADED 16 16 16 8/4/2017
A 10,540 Today: 0 AFT 10	16 8/4/2017 MILES RUN
Previous Total Mobile 102-SW DRAG DEPTH	8/4/2017 MILES RUN
353 930,155 To Date: 0 GAS INJECTORS USED	MILES RUN
DISTRIBUTION OF TIME	
AGITATING (Minutes) DREDGING AND HAULING (Minutes) (Minu	
### EFFECTIVE WORKING TIME PUMPING	(Stat. Miles)
TURNING 0:00 0 0 TO DUMP 11:43 703 DUMPING 11:43 703 TO CUT 0:13 13 TOTALS 0:00 1440 NON-EFFECTIVE WORKING TIME 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	
TO DUMP 11:43 703 DUMPING 0:13 13 TO CUT 10:05 605 TOTALS NON-EFFECTIVE WORKING TIME TAKING ON FUEL AND SURDUPS	
DUMPING 0:13 13 TO CUT 10:05 605 TOTALS 0:00 1440 TOTALS 0:00 1440	
TOTALS NON-EFFECTIVE WORKING TIME TAKING ON FUEL AND SUPPLIES	
NON-EFFECTIVE WORKING TIME	
TAKING ON FUEL AND SUPPLIES	
TO AND FROM ANOUGH OF	
LOSS DUE TO NATURAL ELEMENTS 0:00 0	
LOSS DUE TO TRAFFIC AND BRIDGES	
MINOR OPERATING REPAIRS 0.00 0 TRANSFERRING BETWEEN WORKS 0.00 0	
LAY TIME 0:00 0	
0:00 0 MISCELLANEOUS 0:00 0	
TOTALS 0.00 0	
LOST TIME	
CESSATION 0:00	
COLLISIONS	
TOTAL LOST TIME 0:00 0	
AVERAGE SPEED OF DREDGE MINUTES RADAR IN USE 0:00 1440	
FEET / MINUTE TIDE DATA WAS OBTAINED BY MEANS OF LOADING 220 GAGE: NOAA tide gauge at Dog River Bridge	
AGITATING WEATHER: Winds 6 kts Waves 1.2 ft	
GALS OF FUEL OIL CONSUMED 2200	
GALS OF WATER CONSUMED 1196 FIELD REMARKS:	

		E PUMP	DREA	KDOVY	N OF L		DREDG	ED AN		CUBIC	C YARD				MID-	nsday, De DEPTH IPLES	REPORT: 113
LOAD No.	STARTED	STOPPED	PUMPING	TURNING	TO DUMP	DUMPING	то сит	TOTAL	SOLIDS ***	SUSPENDED SOLIDS ***	BIN WATER SOLIDS	TOTAL **	PER PUMPING MINUTE	PER ELAPSED MINUTE	DENSITY GMS/LITER ***	% SOLIDS (IN PLACE)	
350 351 352 353	0825 1513 2151	0023 0856 1546 2223	23 31 33 32		223 199 184 97	4 5 4	255 173 177	250 490 394 306				2635 2635 2635 2635					
	A	VERAGE								LOAD							

NOTE:

WHEN LOAD IS DREDGED WITH HOPPERS UNWATERED, INDICATE BY LETTER "U"

^{**} TOTAL CUBIC YARDS RETAINED = SETTLED SOLIDS + SUSPENDED SOLIDS - BIN WATER SOLIDS OR DETERMINED DIRECTLY BY YARDAGE METER
*** NOT NECESSARY WHEN MEASURING LOAD BY YARDAGE METER

EXACT LOCATION OF WORK Mobile Harbor Ship Ch Dredge Ar Sta 494+00 to AV LENGTH OF CUT 6000 AV WIDTH OF CUT 400 AV DIST TO DUMP 34.03 NAVIGATION AND OTHER DREDGING	ea 6 554+00 FT	Canada Della	MAINTENANCE NEW WORK	DREDGE DATE NUMBER OF PERSO	M / V COLU	MBIA
Mobile Harbor Ship Ch	ea 6 554+00 FT				Eriday	
Dredge Ar Sta 494+00 to AV LENGTH OF CUT 6000 AV WIDTH OF CUT 400 AV DIST TO DUMP 34.03	ea 6 554+00 FT				Criday	
Sta 494+00 to AV LENGTH OF CUT 6000 AV WIDTH OF CUT 400 AV DIST TO DUMP 34 03	554+00 FT		NEW WORK	NUMBER OF PERSO		, December 15, 2017
AV WIDTH OF CUT 400 AV DIST TO DUMP 34.03			111111111111111111111111111111111111111			17
AV DIST TO DUMP 34.03	FT DENO	CHARACTER OF MA	TERIAI	13 Crew + 2 Observer HOPPER CAPACITY	s+1 QC+1	
NAVIGATION AND OTHER DREDGING		TY OF MATERIAL	1.045 gms/liter	AV VOL OF BIN WAT	ER	4387 CU YDS 0 CU YDS
The state of the s	Sta. MILE DENSI	TY OF WATER	1.006 gms/liter	AV UNFILLED CAPAC	CITY	0 CU YDS
RA		COMPASS INTERFACED WITH		SPLAYED WITH HYPA	ск	
	WORK PERFORMED		DRAFT FOR LOA	D NO		AVG
DREDGING AND HAU	JLING	AGITATING			LIGHT	LOADED
NO OF LOADS TOT CU YDS 1 2,635	DISPOSAL AREA	TOT CU YDS Today: 0	FORWARD		8	16
Previous Total	Mobile 102-SW	Touay, U	DRAG DEPTH		10	16
353 930,155		Prev: 0	INDICATORS LAS	ST CHECKED ON		8/4/2017
354 932,790	III.	To Date: 0	GAS INJECTORS	USED		31.10(31)
		DISTRIBUTION AGITATING		GING AND HAULING		100 24 200
		(Minutes)	DREDG	(Minutes)		MILES RUN (Stat. Miles)
EFFECTIVE WORKING TIME PUMPING						(Otat: Miles)
TURNING	195		1901000	0:00	0	
TO DUMP	200	No.	17/21	0:00	78	
DUMPING TO CUT				0:56	56	
TOTALS	V-1 V-1			3:10	190	
NON-EFFECTIVE WORKING TIME	154			5:24	324	
TAKING ON FUEL AND SUPPLIES				0:00	0	
TO AND FROM ANCHORAGE LOSS DUE TO NATURAL ELEMENTS				0:00	0	
LOSS DUE TO TRAFFIC AND BRIDGE				0:00	0	
MINOR OPERATING REPAIRS				0:00	0	
TRANSFERRING BETWEEN WORKS LAY TIME	10.00		E 8	0:00	0	
DAT THATE				0:00	0	
MISCELLANEOUS	No.			0:00	0	
TOTALS LOST TIME	7			0:00	0	
MAJOR REPAIRS AND ALTERATIONS		A A III		to oal	1110	
CESSATION				18:36	1116	
COLLISIONS	Vil.			0:00		
TOTAL LOST TIME TOTAL TIME IN PERIOD 1 1	440	1 34 5 4 30 16 16	Jeg J	18:36	1116	
AVERAGE SPEED OF DREDGE	170	MINUTES RADAR IN	USE	0:00	1440	
CADING	FEET / MINUTE		TAINED BY MEANS OF	THE RESERVED		
LOADING AGITATING	220	WEATHER: WI	GAGE: I	NOAA tide gauge at Do	og River Bridg	je,
GALS OF FUEL OIL CONSUMED	2200	WEATHER: WI	nds 16 kts, Waves 2-3	π		
GALS OF WATER CONSUMED REMARKS:	1196	FIELD				

	REAKDOWN OF	LUADS L	JKEDG	EU AN						3.1	Fri	day, Dece	ember 15, 2017
TIME PUMP	MIN	UTES		-11			S YARD				MID-	DEPTH MPLES	REPORT: 114
LOAD NO. UNWATERED STARTED STOPPED	TURNING TO DUMP	DUMPING	TO CUT	TOTAL		SUSPENDED SOLIDS ***	BIN WATER SOLIDS	_	PER PUMPING MINUTE	PER ELAPSED MINUTE	DENSITY GMS/LITER ***	% SOLIDS (IN PLACE)	
53 54 54	78	56	190	134				2635 2635 2635 2635					
AVERAGE				ECON	OMIC	OAD	DATA						
	l Egg	ONOMIC	Chiomic Load (C	CNOMIC LOAD (Cu. V	ECONOMIC LOAD (Cu . Yds)	ECONOMIC CON Vide 1	ECONOMIC LOAD	ECONOMIC LOAD DATA	ECONOMIC LOAD DATA DNOMIC LOAD (Cu. Yds) TEST LOAD No.	ECONOMIC LOAD DATA	ECONOMIC LOAD DATA	ECONOMIC LOAD DATA TEST LOAD NO. DATE OF TEST	ECONOMIC LOAD DATA DNOMIC LOAD (Cu. Yds) TEST LOAD No. DATE OF TEST

NOTE:

WHEN LOAD IS DREDGED WITH HOPPERS UNWATERED, INDICATE BY LETTER "U"

^{**} TOTAL CUBIC YARDS RETAINED = SETTLED SOLIDS + SUSPENDED SOLIDS - BIN WATER SOLIDS OR DETERMINED DIRECTLY BY YARDAGE METER
*** NOT NECESSARY WHEN MEASURING LOAD BY YARDAGE METER

		Rental of Hopp W91			<u>s</u>		REPOF ENGCW-0-13	RTS CONTR	OL SYMBOL REPORT:	115
DISTRICT		A	A-76.	BILE DISTRICT			DREDGE	M/V COLU	мвіа	
EXACT LOCATION	I OF WORK Nobile Harbor Ship Cl Dredge A Sta 494+00 to	rea 6	L			MAINTENANCE NEW WORK	DATE NUMBER OF PERSON			r 16, 2017 17
AV LENGTH OF C	UT 6000	FT		CHARACTER			13 Crew + 2 Observer HOPPER CAPACITY		4387	CU YDS
AV WIDTH OF CU AV DIST TO DUMP	34.03	Sta. MILE	DENSIT		1.045	gms/liter gms/liter	AV VOL OF BIN WATE		0	CU YDS
NAVIGATION AND				OMPASS INTERFACED			SPLAYED WITH HYPA	СК		
			RMED			DRAFT FOR LOA	DNO		AV	
NO OF LOADS			AREA	AGITATIN TOT CU YE		FORWARD		LIGHT 8		OADED 16
0	OF CUT 6000 FT DF CUT 400 FT DE DUMP 34.03 Sta. MILE DE N AND OTHER DREDGING AIDS: (Describe an RADAR, DIGITAL GY WORK PERFORM DREDGING AND HAULING ADS TOT CU YDS DISPOSAL AR 0 Mobile 102-Si 932,790 932,790 WORKING TIME ON FUEL AND SUPPLIES FROM ANCHORAGE E TO NATURAL ELEMENTS E TO TRAFFIC AND BRIDGES PERATING REPAIRS RRING BETWEEN WORKS				0	AFT		10		16
Previous Total 354	932 790	Mobile 10	2-SW	Prev:	0	DRAG DEPTH INDICATORS LA	ST CHECKED ON		8/4/20	17
354				To Date:	0	GAS INJECTORS				
				AGITATING (Minutes)	UTION OF TI		GING AND HAULING (Minutes)		MILES (Stat. II	
EFFECTIVE WOR	KING TIME		-	(Williates)					Total	
PUMPING			ESCHASSASSAS		THE PROPERTY OF THE PARTY OF TH		0:00	0		
TURNING TO DUMP			受机的特别 或				0:00	0		
DUMPING				1 - 2 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 -	A THE STATE		0:00	0		
TO CUT TOTALS							0:00	0		
NON-EFFECTIVE					CERT PER CONT					
							0:00	0		-
		S		2. 可能自由于最大的企业。			0:00	0		
		GES	ATTENTO		N. Youth Land		0:00	0		
		S			THE RESERVE		0:00	0		
LAY TIME			1 1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	Committee of the state of the s			0:00	0		
MISCELLANEO	US		1048186				0:00	0		
TOTALS			1.000	Tell Control of the C	E78. 368 35. 36		0:00	0		
LOST TIME	RS AND ALTERATIO	NS					0:00	1440		
CESSATION	TO AND ALTERATIO	NO	2000年20	(1) 20 四月1日	二、水产生生 等		0:00			
COLLISIONS	ue.						0:00	1440		
TOTAL LOST TOTAL TIME IN		1440	and decided the	THE WAR PARKET	A STATE OF THE SECOND		0:00]			
AVERAGE SPEED			III I I I I I I I I I I I I I I I I I		ADAR IN USE	ED BY MEANE OF	0:00	1440		
LOADING		FEET / N		TIDE DATA	727777777		NOAA tide gauge at D	og River Brid	ige.	
AGITATING	II could live	200		WEATHER:	Winds	16 kts, Waves 2-	3 ft			
GALS OF FUEL O		119		FIELD						
GALS OF WATER REMARKS: SUBMITTED BY:	CONSUMED	119	3	FIELD	e IDIQ contra	ct.				

(SEE REVERSE SIDE)
REPLACES COST FORM 27A, 1 SEP 63, WHICH MAY BE USED.

	TIME	PUMP				UTES				CUBIC	YARD s of in p				MID-	DEPTH MPLES	ember 16, 2017 REPORT: 115
LOAD No.	STARTED	STOPPED	PUMPING	TURNING	TO DUMP	DUMPING	TO CUT	TOTAL	SETTLED SOLIDS ***	SUSPENDED SOLIDS ***	BIN WATER SOLIDS	TOTAL **	PER PUMPING MINUTE	PER ELAPSED MINUTE	DENSITY GMS/LITER ***	% SOLIDS (IN PLACE) ***	
								0				0					
MPING T		ERAGE	ES)	ECONO	OMIC I	DAD ((Cu V		OMIC		DATA OAD N	lo.		DATE	OF TEST		
MARKS	(1)		Columb												J. 1601		

				e and Atten -0092				REPOR ENGCW-0-13	RTS CONT	REPORT:	L 116
DISTRICT		U.S. ARMY CO	5.50		СТ			DREDGE	M/V COL	LUMBIA	
EXACT LOCATION	N OF WORK							DATE			
	Mobile Harbor Ship Cha		Sec. 1		0 - 1		MAINTENANCE			day, Decembe	r 17, 2017
	Dredge Are						NEWWORK	NUMBER OF PERSO	NS IN CRE	EW	44
	Sta 494+00 to	554+00					NEW WORK	13 Crew + 2 Observer	+100+	1 Boat Cantai	17 n
AV LENGTH OF C		FT			HARACTER OF M.			HOPPER CAPACITY		438	7 CU YDS
AV WIDTH OF CU				Y OF MATE		1.045	gms/liter	AV VOL OF BIN WATE		0	CU YDS
AV DIST TO DUM NAVIGATION AND	P 34.03 D OTHER DREDGING	Sta. MILE AIDS: (Describe				1.006 nd recor	gms/liter mmendations.)	IAV UNFILLED GAPAC	HY	0	CU YDS
.2.0,20100,0100	RA	DAR, DIGITAL	SYRO C	OMPASS IN	TERFACED WITH	d DIFFE	RENTIAL GPS, DI	SPLAYED WITH HYPA	ск		
		WORK PERFOR	RMED	_			DRAFT FOR LOA	AD NO		Al	/G
	DREDGING AND HAL				AGITATING				LIGH		LOADED
NO OF LOADS	TOT CU YDS	DISPOSAL	AREA		TOT CU YDS		FORWARD		8		16
0 Description Total	0	Makile 100	CIAL	Today:	0		AFT DEAC DEETH		10		16
Previous Total 354	932,790	Mobile 102	-577	Prev:	0	_	DRAG DEPTH INDICATORS LA	ST CHECKED ON		8/4/20	017
354	932,790			To Date:	0		GAS INJECTORS				
					DISTRIBUTION	OF TI		312 17 17 17 17			
					SITATING		DREDO	GING AND HAULING		MILES (Stat.	RUN
EFFECTIVE WOR	KING TIME			(//	Minutes)	-		(Minutes)		(Stat.	villes)
PUMPING	11112						/	0:00	0		
TURNING			_					0:00	0		
TO DUMP							-	0:00	0		
TO CUT								0:00	0		
TOTALS				Control of the last of the las		-		0:00	0		-
NON-EFFECTIVE											
	EL AND SUPPLIES				0.000			0:00	0		
TO AND FROM	NATURAL ELEMENTS							0:00	0		
	TRAFFIC AND BRIDGE		E TO					0:00	0		
MINOR OPERA								0:00	0		
TRANSFERRIN LAY TIME	G BETWEEN WORKS							0:00	0		
LAY TIME					C. St.			0:00	0		
MISCELLANEO	US							0:00	0		- 1
TOTALS								0:00	0		
LOST TIME	RS AND ALTERATION							0.00	1440		
CESSATION	RS AND ALTERATION							0:00	1440		
COLLISIONS			(10) MAG					0:00			
TOTAL LOST T				行行动。	60%,在100%的			0:00	1440		
TOTAL TIME IN AVERAGE SPEED		440		Te	MINUTES RADAR	MUSE		0:00	1440		
LOADING	OF DREDGE	FEET/MIN	IUTE				ED BY MEANS OF			Indge.	
AGITATING				V	VEATHER: 1	Winds '	6 kts, Waves 2-				
GALS OF FUEL O		2200									
GALS OF WATER	CONSUMED	1196	_	IF	IELD						
REMARKS:	Columbia is at the do	ock for repairs.	No work	(was comp	eleted on the IDIQ	contrac	et.				
CLIPMITTED DV						_					
SUBMITTED BY:											
					(000 6 m)	05.015.	-				
ENG FORM 27A	Apr 70		DEDI A	CER COST	(SEE REVER		E) HICH MAY BE USE	20			
ENG FURIN ZIF	"Whi to		NEPLA	000	DIGNIETA, I SE	US, VV	WAT BE US	-V-			

			BREA	KDOW	N OF L	OADS	DREDO	GED AN	ND HAL	JLED					Su	nday, De	cember 17, 2017
	TIME F	PUMP	1 9		MIN	UTES							TAINED		MID-	DEPTH	REPORT:
SED -									te Tyl		s of in p	olace n	naterial			MPLES	116
LOAD No. UNWATERED	STARTED	STOPPED	PUMPING	TURNING	TO DUMP	DUMPING	TO CUT	TOTAL	SOLIDS ***	SUSPENDED SOLIDS ***	BIN WATER SOLIDS	TOTAL **	PER PUMPING MINUTE	PER ELAPSED MINUTE	DENSITY GMS/LITER ***	% SOLIDS (IN PLACE)	
354				-				0			-=4	0	_		-		
MPING TII		ERAGE 11NUTE	S)	ECONO	DMIC LO	DAD (C	Cu . Yo	ECON		4.00	DATA OAD N	lo.		DATE O	OF TEST		

	DAILY R	Rental of Hopp W91	ERATION er Dredge 278-17-D Order 00			REPO ENGCW-0-13	RTS CONT	ROL SYMBOL REPORT:	117
DISTRICT		U.S. ARMY C	OE, MOB	ILE DISTRICT		DREDGE	M/V COL	UMBIA	
EXACT LOCATION	OF WORK Mobile Harbor Ship Chi	annel Mobile A			MAINTENANCE	DATE	Mond	lay, December 18, 2	2017
	Dredge An Sta 494+00 to	ea 6	4		NEW WORK	NUMBER OF PERSO	NS IN CRE	W 17	.017
AV LENGTH OF C		FT		CHARACTER OF MAT		13 Crew + 2 Observer HOPPER CAPACITY		4387	CU YDS
AV WIDTH OF CU AV DIST TO DUMP		FT Sta MILE			.045 gms/liter .006 gms/liter	AV VOL OF BIN WAT			CU YDS
				ude statement on adequacy and		JAV UNFILLED CAPAC	JII T	0	CO FUS
	RA	DAR, DIGITAL	GYRO C	OMPASS INTERFACED WITH I	DIFFERENTIAL GPS, DI	SPLAYED WITH HYPA	CK		
		WORK PERFO	RMED	A COLTATION	DRAFT FOR LOA	D NO	Uara	AVG	
NO OF LOADS	DREDGING AND HAU TOT CU YDS	DISPOSAL	AREA	AGITATING TOT CU YDS	FORWARD	W. D	LIGHT 8	LOAD 16	
0	0	11 7 7 1	-7	Today: 0	AFT		10	16	
Previous Total	932,790	Mobile 10	2-SW	Prev: 0	DRAG DEPTH	ST CHECKED ON		9/4/0047	
354 354	932,790		-	Prev: 0 To Date: 0	GAS INJECTORS			8/4/2017	
	4441.44			DISTRIBUTION	OF TIME				
			7-	AGITATING (Minutes)	DREDO	GING AND HAULING (Minutes)		MILES RUN (Stat. Miles)	
EFFECTIVE WOR	KING TIME			(iviinutes)		(ivianutes)		(Stat. Wiles)	
PUMPING				every throught a relicand term of the Malane	ar Amaz	0:00	0		
TURNING TO DUMP						0:00	0		
DUMPING			智和原			0:00	0		
TO CUT				的现在分词 医电子		0:00	0		
TOTALS NON-EFFECTIVE	MODEING TIME				10010	0:00	0		
	L AND SUPPLIES	-				0:00	0		
TO AND FROM	ANCHORAGE		"造成造 "	在1995年,在1995年		0:00	0		
	NATURAL ELEMENTS RAFFIC AND BRIDG					0:00	0		
MINOR OPERA		E0				0:00	0		
TRANSFERRING	BETWEEN WORKS					0:00	0		
LAY TIME						0:00	0		
MISCELLANEO	JS					0:00	0		_
TOTALS						0:00	0		
LOST TIME									
CESSATION	S AND ALTERATION	S	1000		1.42.5	0:00	1440		
COLLISIONS						0:00			
TOTAL LOST TI						0:00	1440		
TOTAL TIME IN I		440		MINUTES RADAR IN	1195	0:00	1440		
AVERMOE SPEED	OF DREDGE	FEET/MI	NUTE		TAINED BY MEANS OF	ATT THE TOTAL OF		7.0	
LOADING		220	74.17	Parana - Yana	GAGE:	NOAA tide gauge at D	og River Br	ridge.	
AGITATING	CONOUNED	2000		WEATHER: WI	nds 16 kts, Waves 2-3	3 ft			
GALS OF FUEL OF GALS OF WATER		2200 1196		FIELD					
REMARKS:				J. Indiana					
	Columbia is at the do	ock for repairs.	No work	was completed on the IDIQ co	ontract.				
SUBMITTED BY:									
			_	(SEE REVERSE	SIDE				
ENG FORM 27A	Apr 73		REPLA	CES COST FORM 27A, 1 SEP 6		-D	_		

agermain@dutragrou p.com 2017.12.19 11:15

		-		BREA	AKDOW	/N OF I	OADS	DRED	GED A	ND HAU						Мо	nday, Dec	ember 18, 2017
		TIME	PUMP			MIN	UTES					YARD			2 1	MID-	DEPTH	REPORT:
LOAD No.	UNWATERED	9)ED	NG	9NG	MP	NG	5	-1	Q.#		s of in j	1	1			MPLES CE)	117
'OT	UNW	STARTED	STOPPED	PUMPING	TURNING	TO DUMP	DUMPING	TO CUT	TOTAL	SOLIDS ***	SUSPENDED SOLIDS ***	BIN WATER SOLIDS	TOTAL **	PER PUMPING MINUTE	PER ELAPSED MINUTE	DENSITY GMS/LITER ***	% SOLIDS (IN PLACE)	
354					M	П			0		7		0					11
						إرا												
М						П												
															М			
				h i														
Н																		
		AV	ERAGE															
									ECON	OMIC	LOAD	DATA			-			
PUMPI	NG	TIME (MINUT	ES)	ECON	OMIC L	OAD (Cu . Y	'ds)		TEST	LOAD N	No.		DATE (OF TEST		
REMAI	RKS			Columb	oia is at	the do	ck for re	pairs. I	No work	was co	omplete	ed on th	ne IDIC	Q contra	act.			
NOTE:		*	WHEN	LOAD I	S DREI	DGED V	VITH H	OPPER	RS UNV	VATER	ED, INI	DICATE	BYL	ETTER	l "U"	250.		A CANADA CAN
6			BY YAR NOT NE	DAGE	METER								SOLI	DS - BI	N WAT	ER SOL	DS OR DET	ERMINED DIRECTLY

W.				e and Atte -0092			1	REPOR ENGCW-0-13	RTS CONT	ROL SYMBOL REPORT:	118
DISTRICT		U.S. ARMY C	7.5	57.53 A .	RICT			DREDGE	M / V COL	UMBIA	
EXACT LOCATION	OF WORK							DATE			
	arbor Ship Channel, Me						MAINTENANCE	A Secretary		day, December 19,	2017
	Dredge An Sta 494+00 to					7	NEW WORK	NUMBER OF PERSON	IS IN CRE	W 17	
Lawrence Later	Sta 494.700 to	354100				4	2.27 127 22 4	13 Crew + 2 Observers	+1 QC+		
AV LENGTH OF CU AV WIDTH OF CU		FT	DENIGIT	Y OF MAT	CHARACTER OF	MATERIAL 1.045	gms/liter	AV VOL OF BIN WATE	ь	4387	CU YDS
AV DIST TO DUMP		Sta. MILE				1.006	gms/liter	AV UNFILLED CAPAC		0	CU YDS
NAVIGATION AND	OTHER DREDGING	AIDS: (Describe	and incl	ude statem	ent on adequacy	and recom	nendations.)				- 41
	RA	DAR, DIGITAL	GYRO C	OMPASS	INTERFACED W	TH DIFFE	RENTIAL GPS, DI	SPLAYED WITH HYPAG	cK .		
		WORK PERFO	RMED			1	DRAFT FOR LOA	D NO		AVG	
	DREDGING AND HAL	JLING DISPOSAL	ADEA		AGITATING TOT CU YDS		FORWARD		LIGH 8		DED 6
NO OF LOADS	TOT CU YDS 2,635	DISPUSAL	MREA	Today:	0		AFT		10		6
Previous Total		Mobile 10	2-SW				DRAG DEPTH				
353	930,155			Prev:	0			ST CHECKED ON		8/4/2017	
354	932,790		_	To Date:	DISTRIBUTI	ON OF TH	GAS INJECTORS	USED			
					GITATING (Minutes)	ON OF TH		GING AND HAULING (Minutes)		MILES RU (Stat. Miles	
EFFECTIVE WOR	KING TIME				1		-			1,547	
PUMPING TURNING			10 2 1000	CSERVICE OF C	100000000000000000000000000000000000000	OF SERVICES		0:34	34		
TO DUMP								4:12	252		
DUMPING			1 2 2					0:04	4		
TO CUT								0:59 5:49	59 349		
TOTALS NON-EFFECTIVE	WORKING TIME		The state of	The state of the state of				5.48]	349		
TAKING ON FU	L AND SUPPLIES		2000年	(R5)(a) 14-6		建 用		0:00	0		
TO AND FROM								1:05	65 56		
	ATURAL ELEMENTS RAFFIC AND BRIDGE							0:00	0		_
MINOR OPERA	TING REPAIRS		52.6	THE PARTY		A desired to		0:00	0		
	BETWEEN WORKS							0:00	0		
LAY TIME					un vi			0:00	0		
MISCELLANEO	JS				35 (A. S.C.)			0:00	0		5.00
TOTALS					Market All St			2:01	121		
LOST TIME	S AND ALTERATION	2	Digenter					16:10	970		
CESSATION	CAND ALIENATION		200					0:00	0.0		
COLLISIONS								0:00	070		
TOTAL LOST TI		1440		NAME OF THE PARTY				16:10	970		
AVERAGE SPEED					MINUTES RADA			0:00	1440		
Manager a ritary		FEET / MI	NUTE		TIDE DATA WA	SOBTAINE	D BY MEANS OF		Di 5	dian	
LOADING AGITATING		220		-	WEATHER:	Winds 5	kts, Waves 2 ft	NOAA tide gauge at D	og River B	noge	
GALS OF FUEL OF	L CONSUMED	2521			TO THE TE	Trilliae c	mej mareo z m				
GALS OF WATER	CONSUMED	1008			FIELD						
	CONSUMED 970 min @ 0% Pay 65 min @ 0% Pay 56 min @ 70% Pay	- Major Repairs To / From Dock			FIELD						

_				BREA	KDOW	N OF L	OADS	DREDG	ED AN									ecember 19, 201
		TIME	PUMP			MINU	JTES			100		s of in p			F		DEPTH	REPORT: iuk@dutratgeou
LOAD No.	UNWATERED	STARTED	STOPPED	PUMPING	TURNING	TO DUMP	DUMPING	TO CUT	TOTAL	SETTLED SOLIDS ***	SUSPENDED SOLIDS ***	BIN WATER SOLIDS	TOTAL **	PER PUMPING MINUTE	PER ELAPSED MINUTE	DENSITY GMS/LITER ***	% SOLIDS %	2.21 09:23
354 355		1715	1749	34		252	4	59	290 59				2635					
IMPI		TIME (N	9	970 min 65 min (@ 0% @ 0% F	Pay To Pay To Pay To	Major F	Cu . Yo	ECONO			DATA LOAD N	No.		DATE C	DF TEST		

				e and Atter				REPO ENGCW-0-13		REPOR	
DISTRICT		U.S. ARMY C	La D.S	152022	ICT			DREDGE	M/VCC	LUMBIA	
		U.S. ARIVIT	JOE, WOE	ILE DISTR	101				MITTOC	COMBIA	
EXACT LOCATION Mobile Ha	OF WORK erbor Ship Channel, M Dredge Ar Sta 494+00 to	ea 6					MAINTENANCE NEW WORK	NUMBER OF PERSO 13 Crew + 2 Observer	NS IN CR	EW	17 tain
AV LENGTH OF C		FT			CHARACTER OF	THE PARTY OF THE P		HOPPER CAPACITY	-		387 CU YE
AV WIDTH OF CUT AV DIST TO DUMP		Sta. MILE		Y OF MATI		1.045	gms/liter gms/liter	AV VOL OF BIN WAT			0 CUYE
	OTHER DREDGING							INV DIVILLED GAPAG	211	_	U GU IL
							4	SPLAYED WITH HYPA	ск		
		WORK PERFO	RMED	10.00	1000		DRAFT FOR LOA	D NO	6.5	F W.	AVG
	DREDGING AND HAL				AGITATING	-			LIG		LOADED
NO OF LOADS	TOT CU YDS	DISPOSA	LAREA	Today:	TOT CU YDS		FORWARD		10		16
Previous Total		Mobile 10	02-SW	Today.	U.		DRAG DEPTH		- 10	-	10
354	932,790			Prev:	0		INDICATORS LAS			8/4	4/2017
354	932,790			To Date:	0		GAS INJECTORS	USED			
					DISTRIBUT GITATING (Minutes)	ION OF TIM		GING AND HAULING (Minutes)	7.6		ES RUN at. Miles)
EFFECTIVE WORK	(ING TIME				TOWN TOWN		T	5.5.4		100	
PUMPING			ANNUAL TRANS	and the second	THE STREET WAS A STREET	A. Physical Research		0:27	27		
TURNING TO DUMP								0:00 2:38	158		
DUMPING			\$10 to \$100 to	T. 10 10 10 10 10 10 10 10 10 10 10 10 10	STATE STATE OF THE	STATE OF STA		0:00	0		
TO CUT								3:31	211		
TOTALS								6:36	396		
NON-EFFECTIVE V	WORKING TIME EL AND SUPPLIES	-						4:39	279		
TO AND FROM								2:00	120		
LOSS DUE TO N	IATURAL ELEMENTS				THE RESERVE TO SERVE	Section States		7:25	445		
	RAFFIC AND BRIDG	ES			1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1			0:00	0		
MINOR OPERAT	ING REPAIRS BETWEEN WORKS		1000年である	TO THE STATE OF THE STATE OF				0:00	200		
LAY TIME	DETWEEN WORKS				eva en			0:00	0		
			SOME SHAPE	A SA	到此事。 原数是他是			0:00	0		
MISCELLANEOL	JS							0:00	0		
TOTALS LOST TIME			100	Carlotte Contractor				17:24	1044		
	S AND ALTERATION	S	12.595	162 Sept.				0:00			
CESSATION				NE SEE	建筑水水			0:00			
COLLISIONS	VE.							0:00	0	_	
TOTAL LOST THE		1440	400周356	r service		医性神经 经税		0:001	U		
AVERAGE SPEED					MINUTES RADA		Terror.	0:00	1440		
CADING		FEET / M			TIDE DATA WA	SOBTAIN	D BY MEANS OF		on Phins	Bridge	
LOADING AGITATING		220		-	WEATHER:	Winds 4	kts, Waves 2 ft	NOAA tide gauge at D	og River	Diluge.	
GALS OF FUEL OF	L CONSUMED	133	1			111100	maj riuros a fi				
GALS OF WATER	and the later of	1008			FIELD						
REMARKS:	200 min @ 0% Pay 120 mìn @ 0% Pay 445 min @ 70% Pay 279 min @ 0% Pay	To / From Doc - Weather Fog	k								

			DICEA	, LDOVI	OF L	CADS	DREDG	ED AN			VADO	e pr	TAILIE				December 20, 20
	A	PUMP			MINU	JTES							TAINED material		SAN	DEPTH IPLatoreni	REPORT: uk@dutratg@ou
COAD No.	STARTED	STOPPED 5125	PUMPING	TURNING	TO DUMP	DUMPING	TO CUT	TOTAL	SETTLED SOLIDS ***	SUSPENDED SOLIDS ***	BIN WATER SOLIDS	TOTAL **	PER PUMPING MINUTE	PER ELAPSED MINUTE	DENSITY GMS/LITER ***	% SOLIDS %	2.21 11:10
							211	396									
MPING MARKS	TIME (1	200 min 20 min 45 min	@ 0% @ 0% @ 70%	Pay Pay 1 6 Pay	Minor F To / Fro Weath	Repairs				DATA OAD N	lo.		DATE C	OF TEST		

		ental of Hopp W91		e and Atte -0092	ER DREDGES Indant Plant			REPOR ENGCW-0-13	TS CONT	ROL SYMBOL REPORT:	120
DISTRICT	= 7 77	U.S. ARMY C	1 700		RICT			DREDGE	M / V COL	UMBIA	
EXACT LOCATION Mobile Ha	OF WORK rbor Ship Channel, Mo Dredge Are Sta 494+00 to 1	a 6					MAINTENANCE NEW WORK	DATE NUMBER OF PERSON			r 21, 2017
5 - CO - V C - C		7 7 4 9					411	13 Crew + 2 Observers	+1QC+		611100
AV LENGTH OF CUT AV WIDTH OF CUT	JT 6000 400	FT	DENSIT	Y OF MAT	CHARACTER OF M	1.045	gms/liter	HOPPER CAPACITY AV VOL OF BIN WATE	R	4387	CU YDS
AV DIST TO DUMP	34.03 OTHER DREDGING A	Sta, MILE	DENSIT	Y OF WAT	ER	1.006	gms/liter	AV UNFILLED CAPAC		0	CU YDS
TO THE PARTY OF THE								SPLAYED WITH HYPAC	ik.		
		VORK PERFO	RMED			1	DRAFT FOR LOA	D NO		AV	3
	DREDGING AND HAU	LING			AGITATING				LIGHT	T	OADED
NO OF LOADS	TOT CU YDS	DISPOSAL	AREA	Today:	TOT CU YDS		FORWARD AFT		10		16
Previous Total	10,540	Mobile 10	2-SW	Today	U		DRAG DEPTH		10		34
354	932,790	35.15		Prev:	0		INDICATORS LAS	ST CHECKED ON		8/4/20	17
358	943,330	1		To Date:	0		GAS INJECTORS	USED			
					DISTRIBUTIO GITATING (Minutes)	N OF TIM		GING AND HAULING (Minutes)	- 1	MILES (Stat. A	
EFFECTIVE WORK	(ING TIME				,				-		
PUMPING TURNING			Law St			0.340.353		1:27	87	_	
TO DUMP			克克斯斯	15 S.W	TO THE PARTY OF THE PARTY.	S Wale Colds		9:42	582		
DUMPING			被發展		高温罗尼亚城市港			0:16	16		
TO CUT TOTALS					erik (eksperten). Paran Kotak aksar			12:35	755		
NON-EFFECTIVE V	WORKING TIME		1000					0.00]	1440		
TAKING ON FUE	L AND SUPPLIES		Blue		第25日的 第三日,当15日			0:00	0		
TO AND FROM A						是多数是		0:00	0		
	IATURAL ELEMENTS RAFFIC AND BRIDGE	S						0:00	0		
MINOR OPERAT			CANAL S					0:00	0		
	BETWEEN WORKS				完成四世出版的本 位	亚洲洲		0:00	0		
LAYTIME								0:00	0		
MISCELLANEOU	JS			30.0				0:00	0		
TOTALS			20年2月2			500		0:00	0		
LOST TIME			200	1000年		到地理识		0.00			
CESSATION	S AND ALTERATIONS	5	The state of	Tradition was				0:00			
COLLISIONS			14 CO		La Harrie Calmana	No.		0:00			
TOTAL LOST TI					"我们",我们们可以			0:00	0		
TOTAL TIME IN F AVERAGE SPEED		440			MINUTES RADAR	INUSE		0:00	1440		
AVERAGE SPEED	OF DREDGE	FEET/M	NUTE		TIDE DATA WAS		D BY MEANS OF		1440		
LOADING		220					GAGE:	NOAA tide gauge at D	og River B	ridge.	
AGITATING	000000000000000000000000000000000000000				WEATHER:	Winds 5	kts, Waves calm	- early morning fog			
GALS OF FUEL OF GALS OF WATER		2890 672		-	FIELD	_			_		
REMARKS:	CONTOUNIED	0/2			T. Calaba						
SUBMITTED BY:	100% Day										1
					IOSE DEVE	005 0105					

REPLACES COST FORM 27A, 1 SEP 63, WHICH MAY BE USED.

				BREA	KDOW	N OF L	OADS	DREDG	ED AN						-			ecember 21, 20°
	_	TIME	PUMP			MINU	ITES							AINED			DEPTH	REPORT: uk@dutra@ou
LOAD No.	UNWATERED	STARTED	STOPPED	PUMPING	TURNING	TO DUMP	DUMPING	TO CUT	TOTAL	SETTLED SOLIDS ***	SUSPENDED SOLIDS ***	BIN WATER SOLIDS	TOTAL **	PER PUMPING MINUTE	PER ELAPSED MINUTE	DENSITY GMS/LITER ***	% SOLIDS %	uk@dutr t@ ou 2.22 09:03
355 356 357 358 359		343 1055 1810	416 1124 1835	33 29 25		26 175 191 190	4 4 4 4	0 193 220 211 131	30 405 444 430 131				2635 2635 2635 2635					
MPIN MAR		TIME (M		00% Da	ау	MIC LO		tu . Yd	(s)			OAD N				OF TEST		

		Rental of Hopp W91					REPOR ENGCW-0-13	RTS CONTR	OL SYMBOL REPORT: 121
DISTRICT		11.7.400.14		- 305 v0V			DREDGE		uni.
		U.S. ARMY	OE, MOE	BILE DISTRICT				M / V COLL	MBIA
EXACT LOCATION OF V		Out T				- Carria con in the	DATE	70.00	200000000000000000000000000000000000000
Mobile Harbor S	Ship Channel, Me Dredge Are					MAINTENANCE	NUMBER OF PERSON		/, December 22, 2017
	Sta 494+00 to					NEW WORK			17
AV LENGTH OF CUT	6000	FT	-	CHARACTE	R OF MATERIA	M .	13 Crew + 2 Observers HOPPER CAPACITY	+1QC+1	Boat Captain 4387 CU YDS
AV WIDTH OF CUT	400	FT		Y OF MATERIAL	1.045	gms/liter	AV VOL OF BIN WATE		0 CU YDS
AV DIST TO DUMP NAVIGATION AND OTH	34.03			Y OF WATER	1.006	gms/liter	AV UNFILLED CAPAC	ITY	0 CU YDS
NAVIGATION AND OTH							SPLAYED WITH HYPA	ск	
		WORK PERFO	DMED	Particular Control of Control		IDRAFT FOR LOA	AD NO		AVG
DRED	GING AND HAL		KMED	AGITAT	ING	DIANT TON LOS	L	LIGHT	LOADED
	OT CU YDS	DISPOSA	AREA	TOT CU		FORWARD		8	16
Previous Total	7,905	Mobile 10)2-SW	Today:	0	DRAG DEPTH		10	16
358	943,330	WOOME 1	2011	Prev:	0	INDICATORS LA	ST CHECKED ON		8/4/2017
361	951,235			To Date:	0	GAS INJECTORS	SUSED		
			-	AGITATING	IBUTION OF T		GING AND HAULING	- 1	MILES RUN
			-	(Minutes)		Ditab	(Minutes)		(Stat. Miles)
EFFECTIVE WORKING	TIME						1;39	99	
PUMPING TURNING			全观应的 25				0:00	0	
TO DUMP			1.20				10:18	618	
DUMPING TO CUT				1000 (100) (1000 (1000 (1000 (1000 (1000 (1000 (1000 (1000 (100) (1000 (1000 (100) (1000 (100) (1000 (1000 (100) (1000 (100) (1000 (100) (1000 (100) (1000 (100) (1000 (100) (1000 (100) (1000 (100) (1000 (100) (1000 (100) (1000 (100) (1000 (100) (1000 (100) (1000 (100) (100) (1000 (100) (100) (1000 (100) (1000 (100) (100) (1000) (1000 (100) (10		3	0:27 10:57	27 657	
TOTALS			更是深	艺术 使成为 医化	· 产生中。1995年至	200	23:21	1401	
NON-EFFECTIVE WOR				对对自己的	至其二十四日,17	44	0:00	0	
TAKING ON FUEL AN TO AND FROM ANCH							0:00	0	
LOSS DUE TO NATU	RAL ELEMENTS		对		2000年1月2日	E	0:39	39	
LOSS DUE TO TRAFF		ES	to any many		TOTAL PROPERTY.	8	0:00	0	
TRANSFERRING BET			2001000			3	0:00	0	
LAY TIME			3800	1000 大公司的 第二章			0:00	0	
MISCELLANEOUS							0:00	0	
TOTALS			S. W. of				0:39	39	
LOST TIME MAJOR REPAIRS AN	D ALTERATION	0					0:00		
CESSATION	DALIERATION	3		ALTERNATION OF THE PERSON OF T		4	0:00		
COLLISIONS			- ilian-				0:00		
TOTAL LOST TIME TOTAL TIME IN PERIO	on I	1440	20元4年起		PARTITION OF THE PARTY	SH.	0:00]	0	
AVERAGE SPEED OF D					RADAR IN USE		0:00	1440	
LOADING		FEET / N		TIDE DATA	A WAS OBTAIN	NED BY MEANS OF		on River Bri	dae
		22		WEATHER	: Winds	5 kts, Waves calr		og myer bit	aga.
GALS OF FUEL OIL CO		239							
	SUMED	89	5	FIELD					
LOADING AGITATING GALS OF FUEL OIL CO GALS OF WATER CON: REMARKS: 39 Mi		89	7	WEATHER	: Winds		: NOAA tide gauge at D	og River Bri	dge.

	_			BREA	KDOW	/N OF L	OADS I	DREDG	ED AN								ember 22, 2017
		TIME F	PUMP			MINL	JTES					YARD s of in p				DEPTH IPLES	REPORT: 121
LOAD No.	UNWATERED	STARTED	STOPPED	PUMPING	TURNING	TO DUMP	DUMPING	TO CUT	TOTAL	SETTLED SOLIDS ***	SUSPENDED SOLIDS ***	BIN WATER SOLIDS	TOTAL **	PER ELAPSED MINUTE	DENSITY GMS/LITER ***	% SOLIDS (IN PLACE)	121
359 360 361 362		30 816 1603 2351	58 846 1635 2400	28 30 32 9		190 220 208	4 19 4	30 215 198 214	252 484 442 223				2635 2635 2635				
IMPIN MAR		AVE				DMIC LC		Su . Yo			LOAD I	DATA LOAD N	No.	DATE C	DF TEST		

				and Attend -0092				REPO ENGCW-0-13		TROL SYM		122
DISTRICT		U.S. ARMY C		BELLY	т			DREDGE	M/VCC	DLUMBIA		. 4
EXACT LOCATION Mobile Ha	OF WORK arbor Ship Channel, M Dredge An Sta 494+00 to	ea 6					MAINTENANCE NEW WORK	DATE NUMBER OF PERSON 13 Crew + 2 Observer	NS IN CR		17	2017
AV LENGTH OF CU AV WIDTH OF CU AV DIST TO DUMP NAVIGATION AND	T 400 34.03 OTHER DREDGING	AIDS: (Describ	DENSIT	Y OF MATER Y OF WATER ude statemer	R nt on adequacy an	1.045 1.006 d recom	gms/liter gms/liter mendations.)	AV VOL OF BIN WATE AV UNFILLED CAPAC	ER		4387 0 0	CU YDS CU YDS CU YDS
				OMPASS IN	TERFACED WITH	H DIFFE	1. Y. E. L. Y. E.	SPLAYED WITH HYPA	СК			
NO OF LOADS	DREDGING AND HAU TOT CU YDS	WORK PERFO JLING DISPOSAL			AGITATING TOT CU YDS		DRAFT FOR LOA	D NO	LIG 8		AVG LOAD	
3 Previous Total 361	7,905 951,235	Mobile 10		Today: Prev:	0		AFT DRAG DEPTH INDICATORS LAS		1	0	16 8/4/2017	
364	959,140			To Date:	DISTRIBUTION TATING	N OF TIM		GING AND HAULING			ILES RUN	
TO AND FROM, LOSS DUE TO N LOSS DUE TO TO MINOR OPERAT TRANSFERRING LAY TIME MISCELLANEOU TOTALS LOST TIME MAJOR REPAIR CESSATION COLLISIONS TOTAL LOST TI TOTAL TIME IN I AVERAGE SPEED	WORKING TIME EL AND SUPPLIES ANCHORAGE NATURAL ELEMENTS FRAFFIC AND BRIDG TING REPAIRS S BETWEEN WORKS US AND ALTERATION ME PERIOD	S 1440 FEET/M	NUTE	M	INUTES RADAR	IN USE	ED BY MEANS OF		106 111 654 122 581 1364 0 0 0 0 0 0 0 0 0 0 0 76 0 0 0 0 0 0 0		tat. Miles)	
LOADING AGITATING GALS OF FUEL OI GALS OF WATER		2016 896	5		EATHER:	Winds 5	GAGE:	NOAA tide gauge at D n - Heavy Fog	log Kiver	Bridge.		
REMARKS: SUBMITTED BY:	76 Min @ 70% Pay —	Weather - Fog			(SEE REVER	RSE SIDE	Ē)					

_	_			BREA	KDOW	N OF L	OADS [REDG	ED AN									cember 23, 2017
		TIME	UMP			MINU	ITES					YARD s of in p			2.5		DEPTH IPLES	REPORT: 122
LOAD No.	UNWATERED	STARTED	STOPPED	PUMPING	TURNING	TO DUMP	DUMPING	TO CUT	TOTAL	SETTLED SOLIDS ***	SUSPENDED SOLIDS ***	BIN WATER SOLIDS		PER PUMPING MINUTE	PER ELAPSED MINUTE	DENSITY GMS/LITER ***	% SOLIDS (IN PLACE)	
362 363 364 365		0 722 1524 2231	19 750 1607 2258	19 28 32 27	11	198 200 194 62	4 4 4	200 195 186	221 432 436 275				2635 2635 2635					
JMPIN EMAR		TIME (M		76 Min (0 0	@ 70%	Pay \	DAD (C	r - Fog	ls)		TEST	LOAD				DF TEST		

				e and Atten -0092		<u></u>		REPOR ENGCW-0-13	RTS CON		MBOL ORT:	123
DISTRICT		U.S. ARMY C			ICT			DREDGE	M/VCO	LIMBIA		
		U.S. ANWIT C	OE, WIOE	MLE DISTRI	(0)				W / V CO	LUMBIA		
EXACT LOCATION		EHE AL				MAINTEN	NOT	DATE		and made		
Mobile H	arbor Ship Channel, Mo Dredge Are					MAINTENA	ANCE	NUMBER OF PERSON			ember 24, 2	017
	Sta 494+00 to					NEW WOR	RK	NOMBER OF FEROOR	10 111 0111		17	
								13 Crew + 2 Observers	+100+	1 Boat		
AV LENGTH OF C AV WIDTH OF CU		FT FT	DENSIT	Y OF MATE	HARACTER OF MAT	ERIAL .045 gms/li	tor	AV VOL OF BIN WATE	D	_		CU YDS
AV DIST TO DUMP		Sta. MILE				.006 gms/li		AV UNFILLED CAPAC		-		CU YDS
NAVIGATION AND	OTHER DREDGING A							SPLAYED WITH HYPAG	ж			
		NORK PERFO	RMED			DRAFT FO	RLOA	NO NO			AVG	
	DREDGING AND HAU	LING			AGITATING				LIGH	iT [LOAD	
NO OF LOADS	TOT CU YDS	DISPOSAL	AREA	-	TOT CU YDS	FORWARD)		8		16	
Previous Total	10,540	Mobile 10	2-SW/	Today:	0	DRAG DEF	TH		10		16	
364	959,140	WOUNG TO	-011	Prev:	0			ST CHECKED ON			8/4/2017	-
368	969,680			To Date:	0	GAS INJEC						
					DISTRIBUTION C		DDEE	GING AND HAULING	-		MILES DUE	
			11 7		GITATING Minutes)		DRED	(Minutes)			MILES RUN (Stat. Miles)	
EFFECTIVE WOR	KING TIME			- 1		-	_	Millians			1 - Miles	
PUMPING						ara willed		1:22	82			
TURNING TO DUMP							_	0:00	724	-		
DUMPING							_	0:39	39			
TO CUT				建设建设	1.1.1 1年2月5日	200		9:33	573			
TOTALS NON-EFFECTIVE	WODYING TIME				关 分类。据据于10亿元		_	23:38	1418			
	EL AND SUPPLIES						-	0:00	0			
TO AND FROM	ANCHORAGE			2000年11日1日	Total Contraction S	0.33		0:00	0			
	VATURAL ELEMENTS							0:00	0			
MINOR OPERA	TRAFFIC AND BRIDGE	5					_	0:00	22			
	BETWEEN WORKS							0:00	0			
LAY TIME			1710000					0:00	0			
MISCELLANEO	19				aren garan de la sur Regional de la sur sur		_	0:00	0	-		-
TOTALS	30		SOUR PROPERTY.	TO SEE STATE OF THE PARTY OF TH			-	0:22	22			
LOST TIME				125		2005						
	S AND ALTERATIONS	3						0:00	-		_	
CESSATION			714274 375			Section 1		0:00				
TOTAL LOST TI	ME							0:00	0			
TOTAL TIME IN	PERIOD 1	440		1.	MINUTES RADAR IN	LICE		0.00	1440			
AVERAGE SPEED	OF DREDGE	FEET/MI	NUTE		TIDE DATA WAS OB		NS OF	0:00	1440	_		
LOADING		220			75-50,770-0			NOAA tide gauge at D	og River E	Bridge.		
AGITATING				1	WEATHER: Wi	nds 10 kts, Wav	es 1 f	1000	7			
GALS OF FUEL O		2752 896			EIELO.		_	-		_		
GALS OF WATER REMARKS:	CONSUMED	896			FIELD		_			_	_	_
W-346-25-0-	22 Min @ 0% Pay – M	inor Repair										
SUBMITTED BY:							_				-	_
- John , LLD DT.												
				- 18	(SEE REVERSE	SIDE)	_					
ENG FORM 27A	, Apr 73		REPLA	CES COST	FORM 27A, 1 SEP 6		BE US	ED.			-	

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-				DREA	KDOW	N OF L	UADS I	JKEDG	ED AN	D HAU		WARR						cember 24, 2017
		TIME	PUMP			MINU	TES			(CUBIC In term				200		DEPTH MPLES	REPORT: 123
LOAD No.	UNWATERED	STARTED	STOPPED	PUMPING	TURNING	TO DUMP	DUMPING	TO CUT	TOTAL	SETTLED SOLIDS ***	SUSPENDED SOLIDS ***	BIN WATER SOLIDS	TOTAL **	PER PUMPING MINUTE	PER ELAPSED MINUTE	DENSITY GMS/LITER ***	% SOLIDS (IN PLACE)	
365 366 367 368 369		527 1249 2006	555 1317 2032	28 28 26		136 199 196 193	4 27 4 4	187 188 187 11	140 441 416 410 11				2635 2635 2635 2635					
JMPI EMAR	RKS	TIME (M		22 Min (0 0 0	@ 0% F	OMIC LC	inor Rej	oair	ds)		LOAD I	OAD N				DF TEST		

				e and Attend -0092				REPO ENGCW-0-13	RTS CONT	ROL SYM REPOR	
DISTRICT		U.S. ARMY C	OE, MOE	BILE DISTRIC	OT.			DREDGE	M/V COL	LUMBIA	
EXACT LOCATION Mobile Ha	OF WORK arbor Ship Channel, Mo Dredge An Sta 494+00 to	ea 6					MAINTENANCE NEW WORK	NUMBER OF PERSON	NS IN CRE	W	nber 25, 2017
AV LENGTH OF CU AV WIDTH OF CUT AV DIST TO DUMP NAVIGATION AND	400		DENSIT	Y OF MATER Y OF WATE	R	1.045	gms/liter gms/liter	13 Crew + 2 Observer HOPPER CAPACITY AV VOL OF BIN WATI AV UNFILLED CAPAC	ER		4387 CU YDS 0 CU YDS 0 CU YDS
								SPLAYED WITH HYPA	CK		
		WORK PERFO	RMED				DRAFT FOR LOA	D NO			AVG
	DREDGING AND HAL	LING			AGITATING		a de la constanta de la consta		LIGH	T	LOADED
NO OF LOADS	TOT CU YDS	DISPOSAL	AREA	To do	TOT CU YDS		FORWARD		8	2	16
Previous Total	7,905	Mobile 10	12-SW	Today:	0		DRAG DEPTH		10		16
368	969,680	WODING TO	2-011	Prev:	0		INDICATORS LAS	ST CHECKED ON		8	4/2017
371	977,585			To Date:	0		GAS INJECTORS				
					DISTRIBUTION	OF TIM					
					ITATING finutes)		DREDO	GING AND HAULING (Minutes)			LES RUN tat, Miles)
EFFECTIVE WORK	KING TIME										
PUMPING			THE REAL PROPERTY.	and the second second		r. or tear of an area		1:49	109		
TURNING TO DUMP								0:00	600		
DUMPING			100	45-36-26	表现的图像是一个			0:12	12		
TO CUT			经存款					11:59	719		
TOTALS			多种股票			1000		0:00	1440		
NON-EFFECTIVE V	EL AND SUPPLIES							0:00	0		
TO AND FROM								0:00	0		
	ATURAL ELEMENTS		MENSON			10 160		0:00	0		
	RAFFIC AND BRIDGE	ES	这 色的生	图型电影启动	3 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4			0:00	0		
MINOR OPERAT				LEWING		4 (14/24)		0:00	0		
LAY TIME	BETWEEN WORKS							0:00	0		
COT THE								0:00	0		
MISCELLANEOL	JS				大社工的 基础			0:00	0		
TOTALS					理的多种特殊			0:00	0		
LOST TIME								2 22			
CESSATION	S AND ALTERATION	S	STATE OF STATE OF	The Court				0:00	-		
COLLISIONS		_						0:00	-		
TOTAL LOST TI	ME				and the second			0:00	0		
TOTAL TIME IN F		1440									
AVERAGE SPEED	OF DREDGE	T ECCT/II	MUTT		INUTES RADAR I		D DV MEANS OF	0:00	1440		
LOADING		FEET / M			TIDE DATA WAS C	O I AINE		NOAA tide gauge at D	og River B	ridge	
AGITATING		LEC		W	EATHER: V	Vinds 2	0 kts, Waves 2 ft		-317791 0		
GALS OF FUEL OI	L CONSUMED	2962									
GALS OF WATER	CONSUMED	672		F	ELD						
GALS OF WATER REMARKS:	CONSUMED	672		F	ELD						
SUBMITTED BY:											
			U+ I	10. Tal	(SEE REVERS	SE SIDE)				
ENG FORM 27A	Apr 73		REPLA	CES COST	FORM 27A, 1 SEP			D.			

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Q		TIME P	UMP			MINU					CUBIC	YARD s of in p)	MID-	nday, Dec DEPTH MPLES	ember 25, 201 REPORT: 124
LOAD No. UNWATERED	100	STARTED	STOPPED	PUMPING	TURNING	TO DUMP	DUMPING	TO CUT	TOTAL	SETTLED SOLIDS ***	SUSPENDED SOLIDS ***	BIN WATER SOLIDS	TOTAL **	PER PUMPING MINUTE	PER ELAPSED MINUTE	DENSITY GMS/LITER ***	% SOLIDS (IN PLACE)	
369 370 371 372		311 1002 1642 2322	340 1028 1712 2346	29 26 30 24		194 194 198 14	4 4 4	191 184 176 168	418 408 408 206				2635 2635 2635					
MPING MARKS			RAGE	S) E	ECONO	DMIC LO	AD (C				LOAD I	DATA OAD N	ło.		DATE C	DF TEST		

		EPORT OF OPER/ ental of Hopper D W91278 Task Ord	redge and Atte -17-D-0092			REPOF ENGCW-0-13	RTS CONTRO	L SYMBOL REPORT: 125
DISTRICT		U.S. ARMY COE,	201-0700 1150	RICT		DREDGE	M / V COLUM	BIA
EXACT LOCATION Mobile Ha	OF WORK Intoor Ship Channel, Mo Dredge Are Sta 494+00 to	a 6			MAINTENANCE NEW WORK	NUMBER OF PERSON	IS IN CREW	, December 26, 2017
AV LENGTH OF CI AV WIDTH OF CU AV DIST TO DUMP NAVIGATION AND	400 34,03 OTHER DREDGING	Sta. MILE DE AIDS: (Describe an	NSITY OF MAT NSITY OF WAT d include statem	TER 1 nent on adequacy and i	,045 gms/liter ,006 gms/liter recommendations.)	13 Crew + 2 Observers HOPPER CAPACITY AV VOL OF BIN WATE AV UNFILLED CAPAC ISPLAYED WITH HYPAC	R	4387 CU YDS 0 CU YDS 0 CU YDS
				INTERPACED WITH I	DRAFT FOR LOA	The state of the s	-n	AVG
NO OF LOADS	TOT CU YDS	NORK PERFORM LING DISPOSAL AR	EA	AGITATING TOT CU YDS	FORWARD	AD NO	LIGHT 8	LOADED 16
Previous Total 371 374	7,905 977,585 985,490	Mobile 102-S	V Prev:	0	DRAG DEPTH INDICATORS LA GAS INJECTORS	ST CHECKED ON	10	8/4/2017
	1-7/024		А	DISTRIBUTION (OF TIME	GING AND HAULING		MILES RUN (Stat. Miles)
TO AND FROM LOSS DUE TO N LOSS DUE TO N LOSS DUE TO TO MINOR OPERAT TRANSFERRING LAY TIME MISCELLANEOU TOTALS LOST TIME	WORKING TIME EL AND SUPPLIES ANCHORAGE IATURAL ELEMENTS RAFFIC AND BRIDGE TING REPAIRS B BETWEEN WORKS JS S AND ALTERATIONS ME PERIOD	S		MINUTES RADAR IN		(Minutes) 1:23 0:00 11:48 0:40 9:21 23:12 0:00 0:00 0:00 0:00 0:00 0:00 0:00	83 0 708 40 561 1392 0 0 0 0 48 0 0 0 48	
LOADING AGITATING GALS OF FUEL OI GALS OF WATER		220 2694 896				: NOAA tide gauge at D	og River Bridg	le,
REMARKS:	48 Min @ 0 % Pay N		Loading Supp		E SIDE)			

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				BREA	KDOW	N OF L	OADS I	REDG	ED AN	ID HAL	JLED					Tue	sday, De	cember 26, 2017
		TIME P	UMP			MINU	ITES		17			S of in p				MID-	DEPTH IPLES	REPORT:
LOAD No.	- CANADA	STARTED	STOPPED	PUMPING	TURNING	TO DUMP	DUMPING	TO CUT	TOTAL	SOLIDS ***	SUSPENDED SOLIDS ***	BIN WATER SOLIDS		PER PUMPING MINUTE	PER ELAPSED MINUTE	DENSITY GMS/LITER ***	% SOLIDS (IN PLACE)	125
372 373 374 375		633 1442 2119	657 1515 2145	24 33 26		194 191 188 135	4 32 4	195 194 172	198 442 419 333				2635 2635 2635					
UMPING EMARKS		* v	4 VHEN LO	8 Min (0 0 0 0	@ 0 %	Pay M	linor Re	pairs A	nd Loa	ding S	upplies	OAD N	BY LE	TTER	"U"	DF TEST		TERMINED DIRECT

				and Atten		<u>s</u>		ENGCW-0-13	RTS CON	REPOR	
DISTRICT		U.S. ARMY C	OE, MOB	ILE DISTRI	ICT			DREDGE	M/VCC	DLUMBIA	
EXACT LOCATION (Mobile Hart	DF WORK por Ship Channel, Mo Dredge Are Sta 494+00 to	a 6					MAINTENANCE NEW WORK	NUMBER OF PERSON	IS IN CR	EW	ember 27, 201
AV LENGTH OF CUT	6000	FT		C	HARACTER	OF MATERIA	L	13 Crew + 2 Observers HOPPER CAPACITY	7100		4387 CU
AV WIDTH OF CUT	400	FT Sta, MILE		OF MATE		1.045	gms/liter gms/liter	AV VOL OF BIN WATE			0 CU
AV DIST TO DUMP NAVIGATION AND C	34.03 THER DREDGING A	AIDS: (Describ	and inclu	ide stateme	ent on adequ	acy and recor	nmendations.)	SPLAYED WITH HYPA			0 00
		WORK PERFO	RMED				DRAFT FOR LOA	NO NO			AVG
	REDGING AND HAL		ADE		AGITATIN		FORMADO		LIG		LOADED
NO OF LOADS	TOT CU YDS 7,905	DISPOSAL	AKEA	Today:	TOT CU Y	0	FORWARD		10		16
Previous Total	1,000	Mobile 10	2-SW	Touay.			DRAG DEPTH		- 10		10
374	985,490			Prev:		0	INDICATORS LA	ST CHECKED ON		8	/4/2017
377	993,395			To Date:		0	GAS INJECTORS	SUSED			
				AC	DISTRIE	BUTION OF T		GING AND HAULING		М	LES RUN
					Minutes)		4-2-60	(Minutes)		(S	tat. Miles)
PUMPING	NG TIME		-	_				1:27	87		
TURNING								0:00	0		
TO DUMP DUMPING								8:17 0:38	497		
TO CUT			USTERNA					10:03	603		
TOTALS			40000	革命的理		40年 大学の大学		20:25	1225		
NON-EFFECTIVE W TAKING ON FUEL							0	1;00	60		
TO AND FROM A							<u> </u>	0:00	0		
LOSS DUE TO NA	TURAL ELEMENTS		物物域		THE SECOND	45年1年18年1		0:00	0		
MINOR OPERATI	AFFIC AND BRIDGE	S						0:17	17		
	BETWEEN WORKS							0:00	0		
LAY TIME			原一次	2. 经产品基	212 10/6-1		8	0:00	0		
MICCELLANGOLI			1					0:00 2:18	138	_	
MISCELLANEOUS TOTALS			A COMPANY	The state of the s				3:35	215		
LOST TIME	AND OF LODING										
	AND ALTERATION	S	5.20			770		0:00			
CESSATION			(B) (C) (C)				# 6	0:00			
TOTAL LOST TIM	E	V-				76 L Sev 70 A		0:00	0		
TOTAL TIME IN P		1440	1 30		MINISTERS	ADAD IN LICE		0.00	4446		
AVERAGE SPEED	DE DREDGE	T FEET/M	INUTE			ADAR IN USE WAS OBTAIN	IED BY MEANS OF	0:00	1440		
LOADING		220				200	GAGE	: NOAA tide gauge at D	og River	Bridge.	
AGITATING					WEATHER:	Winds	N 15-20 kts, Wave	s 2-3 ft light rain			
GALS OF FUEL OIL GALS OF WATER O		1120			FIELD				_		
REMARKS:	ONSOMED	1120			HELD						
	98 Min @ 0 % Pay 17 Min @ 70% Pay -		ading Su	pplies							ì

(SEE REVERSE SIDE)
REPLACES COST FORM 27A, 1 SEP 63, WHICH MAY BE USED.

ENG FORM 27A, Apr 73

N	TIME P	UMP			MINU				100	CUBIC	YARD				MID-	DEPTH	December 27, 201 REPORT:
LOAD No.	STARTED	STOPPED	PUMPING	TURNING	TO DUMP	DUMPING	TO CUT	TOTAL	SOLIDS ***	SUSPENDED SOLIDS ***	BIN WATER of SOLIDS	TOTAL **	PER PUMPING MINUTE	PER ELAPSED MINUTE	DENSITY GMS/LITER ***	% SOLIDS "SIN PLACE)	126
375 376 377 378	423 1235 2225	450 1305 2255	27 30 30		56 179 204 58	4 4 30	203 202 198	60 413 466 286				2635 2635 2635					
MPING		RAGE NUTE:			MIC LO		u . Yd	s)		OAD E	DATA OAD N	lo.		DATE O	PF TEST		
TE:	* W	/HEN LO	17 Min 0 0 DAD IS	@ 70%	Pay (Pay	Traffic	PPERS	UNW	ATERE	D, IND	CATE	BYLF	TTER	"U"			TERMINED DIRECTI

DREDGE U.S. ARMY COE, MOBILE DISTRICT EXACT LOCATION OF WORK Mobile Harbor Ship Channel, Mobile AL Dredge Area 6 Sta 494+00 to 554+00 AV LENGTH OF CUT AV WIDTH OF CUT AV WIDTH OF CUT AV WIDTH OF CUT AV WIDTH OF CUT DREDGE M / V COLUMBIA DATE Thursday, December 28, 20 NUMBER OF PERSONS IN CREW 17 13 Crew + 2 Observers + 1 QC + 1 Boat Captain HOPPER CAPACITY 4387 CL AV WIDTH OF CUT AV VIOTH OF CUT AV VIOTH OF CUT 400 FT DREDGE M / V COLUMBIA	TV.		ental of Hopp W9		e and Atte -0092	ER DREDGES ndant Plant			REPOR ENGCW-0-13	RTS CON	TROL SYMB REPORT		7
EXACT LOCATION OF WORK Mobile hat bodge Ans 8 Maintenance New Work State of the S04-90 New Work New Work State of the S04-90 New Work State of th	DISTRICT		7-1700-100			RICT				M/VCO	LUMBIA		
Mobile Marbor Ship Channel, Mobile AL Dredge Ama 6 Sta 494-00 to 504-00 S04-00 to 5			Construction (X-01.X									
AVERNITO FOUT 6000 FT CHARACTER OF MATERIAL 1.045 gms/life AVVOL OF BINVATER 0.01 AV 10BT O DUNF 0.05 gms/life AVVOL OF BINVATER 0.05 gms/life 0.05 gms/life AVVOL OF BINVATER 0.05 gms/life 0.05 gms/li		rbor Ship Channel, Mo Dredge Are	a 6						NUMBER OF PERSON	IS IN CR	EW	17	
AV DIST TO DUMP AV DIS									HOPPER CAPACITY		4	387 CU	
WORK PERFORMED AGITATING DRAFT FOR LOAD NO AVG	AV DIST TO DUMP	34,03 OTHER DREDGING A	Sta. MILE AIDS: (Describ	DENSIT e and incl	Y OF WAT ude statem	ER nent on adequacy a	1.006 and recom	gms/liter mendations.)	AV UNFILLED CAPAC	ITY			
DREDGING AND HAULING AGITATING FORWARD B 16		RA	DAR, DIGITA	L GYRO C	OMPASS	INTERFACED WI	TH DIFFE	RENTIAL GPS, DI	SPLAYED WITH HYPAG	CK .			
NO OF LOADS				DRMED		ACITATINO		DRAFT FOR LOA	DNO	1101			_
4				ARFA			-	FORWARD					_
377 993,395 Prev: 0 INDICATORS LAST CHECKED ON 8/4/2017 381 1,003,835 To Date: 0 GAS INJECTORS USED			0.00	27.0.700.1	Today:			AFT		10		16	
To Date: 0			Mobile 1	02-SW	-				OT CHECKED ON		60	/2017	
DISTRIBUTION OF TIME							_				8/4	72017	-
AGITATING	301	1,003,935		_	To Date.		ON OF TIM		OGED	_			
EFFECTIVE WORKING TIME						GITATING							
TURNING TO DUMP 11:37 697 DUMPING TO CUIT TO TO THE TAIL OF THE TOTALS TO CUIT TO TO THE TAIL OF THE T	EFFECTIVE WORK	(ING TIME				(Williams)			17.1		(0).	in third by	
1137 697 DUMPING				E-AN A VICTOR HOL	- Control of Print		NAT - 10 - 10 - 10 - 10 - 10 - 10 - 10 - 1						_
DUMPING										697		_	_
TOTALS				是表现 海绵的		the state of the s	Section 1		0:16	16			
NON-EFFECTIVE WORKING TIME TAKING ON FUEL AND SUPPLIES TO AND FROM ANCHORAGE LOSS DUE TO NATURAL ELEMENTS LOSS DUE TO TATURAL ELEMENTS LOSS DUE TO TRAFFIC AND BRIDGES D.10 MINOR OPERATING REPAIRS TRANSFERRING BETWEEN WORKS LAY TIME D.00 MISCELLANEOUS TOTALS LOST TIME MAJOR REPAIRS AND ALTERATIONS CESSATION COLLISIONS TOTAL SIME MAJOR REPAIRS AND ALTERATIONS CESSATION TOTAL SIME MAJOR REPAIRS AND ALTERATIONS CESSATION TOTAL SIME TOTAL TIME IN PERIOD AVERAGE SPEED OF DREDGE LOADING AVERAGE SPEED OF DREDGE FEET / MINUTE LOADING GALS OF FUEL OIL CONSUMED 3387 REMARKS: 10 Min @ 70% Pay – Traffic						AND THE PARTY OF THE PARTY.	1500						_
TAKING ON FUEL AND SUPPLIES		WORKING TIME							23:50	1430			
LOSS DUE TO NATURAL ELEMENTS LOSS DUE TO TRAFFIC AND BRIDGES LOSS DUE TO TRAFFIC AND BRIDGES D.100 INDRO PERATING REPAIRS TRANSFERRING BETWEEN WORKS LAY TIME D.000 INSCELLANEOUS TOTALS COULD INDRO PERATING REPAIRS TOTAL STIME MAJOR REPAIRS AND ALTERATIONS CESSATION COLLISIONS TOTAL LOST TIME TOTAL TIME IN PERIOD LOADING FEET / MINUTE LOADING GALS OF FUEL OIL CONSUMED GALS OF FUEL OIL CONSUMED GALS OF FUEL OIL CONSUMED GALS OF WATER CONSUMED GRASS OF WATER CONSUMED GRASS OF WATER CONSUMED REMARKS: 10 Min @ 70% Pay – Traffic	TAKING ON FUE	L AND SUPPLIES	-	7.0									
LOSS DUE TO TRAFFIC AND BRIDGES													
MINOR OPERATING REPAIRS TRANSFERRING BETWEEN WORKS LAY TIME MISCELLANEOUS TOTALS COST TIME MAJOR REPAIRS AND ALTERATIONS CESSATION COLLISIONS TOTAL TIME PERIOD 1440 AVERAGE SPEED OF DREDGE LOADING GAIS OF FUEL OIL CONSUMED GAIS OF WATER CONSUMED 70 Min @ 70% Pay – Traffic	LOSS DUE TO T	RAFFIC AND BRIDGE	S										
LAY TIME	MINOR OPERAT	ING REPAIRS		7 300 10									
MISCELLANEOUS 0:00 0 TOTALS 0:10 10 LOST TIME MAJOR REPAIRS AND ALTERATIONS 0:00 CESSATION 0:00 COLLISIONS 0:00 TOTAL LOST TIME 0:00 TOTAL TIME IN PERIOD 1 1440 AVERAGE SPEED OF DREDGE MINUTE 220 AGITATING SALS OF FUEL OIL CONSUMED 3387 GALS OF WATER CONSUMED 935 FIELD MINUTES RADAR IN USE 0:00 1440 WEATHER: Winds N 10 kts, Waves 1-2 ft light rain TOMAT WATER CONSUMED 935 FIELD		BETWEEN WORKS									-		_
MISCELLANEOUS TOTALS O:10 IO LOST TIME MAJOR REPAIRS AND ALTERATIONS CESSATION COLLISIONS TOTAL LOST TIME TOTAL LOST TIME TOTAL TIME IN PERIOD LOADING AGITATING GALS OF FUEL OIL CONSUMED GALS OF FUEL OIL CONSUMED GALS OF WATER CONSUMED 935 TIELD O:00 O MINUTES RADAR IN USE GAGE: NOAA tide gauge at Dog River Bridge. WEATHER: Winds N 10 kts, Waves 1-2 ft light rain WEATHER: Winds N 10 kts, Waves 1-2 ft light rain OMIN @ 70% Pay – Traffic	LAY TIME				The state of								
LOST TIME MAJOR REPAIRS AND ALTERATIONS CESSATION COLLISIONS TOTAL LOST TIME TOTAL TIME IN PERIOD TOTAL TIME IN TIME	MISCELLANEOU	JS							0:00				
MAJOR REPAIRS AND ALTERATIONS CESSATION COLLISIONS TOTAL LOST TIME TOTAL TIME IN PERIOD 1440 AVERAGE SPEED OF DREDGE LOADING AGITATING GALS OF FUEL OIL CONSUMED 3387 GALS OF FUEL OIL CONSUMED 935 FIELD MINUTE STADAR IN USE 0:00 1440 TIDE DATA WAS OBTAINED BY MEANS OF GAGE: NOAA tide gauge at Dog River Bridge. WEATHER: Winds N 10 kts, Waves 1-2 ft light rain GALS OF WATER CONSUMED 935 FIELD				The Carlo			10 - N 10 - St		0:10	10			
CESSATION COLLISIONS C		S AND ALTERATIONS	2						0.001	-			_
COLLISIONS TOTAL LOST TIME TOTAL TIME IN PERIOD 1440 AVERAGE SPEED OF DREDGE LOADING AGITATING SALS OF FUEL OIL CONSUMED GALS OF WATER CONSUMED GALS OF WATER CONSUMED REMARKS: 10 Min @ 70% Pay - Traffic		O AND PETEROTION		.TURED			CHOOCK ST		0:00				
TOTAL TIME IN PERIOD 1440 AVERAGE SPEED OF DREDGE													_
AVERAGE SPEED OF DREDGE MINUTES RADAR IN USE 0:00 1440			1440	1000					0:00	0			_
FEET / MINUTE 220 TIDE DATA WAS OBTAINED BY MEANS OF GAGE: NOAA tide gauge at Dog River Bridge. AGITATING WEATHER: Winds N 10 kts, Waves 1-2 ft light rain GALS OF FUEL OIL CONSUMED 935 FIELD REMARKS: 10 Min @ 70% Pay - Traffic			1440			MINUTES RADA	R IN USE		0:00	1440			
AGITATING WEATHER: Winds N 10 kts, Waves 1-2 ft light rain GALS OF FUEL OIL CONSUMED 935 FIELD REMARKS: 10 Min @ 70% Pay - Traffic	G:307.					TIDE DATA WAS	SOBTAIN				maura		
GALS OF FUEL OIL CONSUMED 3387 GALS OF WATER CONSUMED 935 FIELD REMARKS: 10 Min @ 70% Pay - Traffic			22	0		WEATHED:	Winde I			og River	bridge.	_	_
GALS OF WATER CONSUMED 935 FIELD REMARKS: 10 Min @ 70% Pay - Traffic		L CONSUMED	338	7		WEATHER.	Willias I	TURES, TVAVES	- it light rain				
10 Min @ 70% Pay – Traffic	GALS OF WATER				3 (3)	FIELD							
SUBMITTED BY:	REMARKS:	10 Min @ 70% Pay -	- Traffic										
(SEE REVERSE SIDE)	SUBMITTED BY:					(SEE REVE	ERSE SIDE	Ξ)					

agreniuk@dutragrou p.com 2017.12.29 10:18

-				DREA	KDOW	N OF L	UADS I	DREDG	ED AN							Thu	rsday, De	cember 28, 201
	0	TIME	PUMP			MINU	ITES		11,		CUBIC In term					MID-	DEPTH MPLES	REPORT: 127
LOAD No.	UNWATERED	STARTED	STOPPED	PUMPING	TURNING	TO DUMP	DUMPING	TO CUT	TOTAL	SETTLED SOLIDS ***	SUSPENDED SOLIDS ***	BIN WATER SOLIDS	TOTAL **	PER PUMPING MINUTE	PER ELAPSED MINUTE	DENSITY GMS/LITER ***	% SOLIDS (IN PLACE) ***	
378 379 380 381 382		518 1157 1850	546 1227 1916	28 30 26		126 190 192 189	4 4 4 4	188 177 177 91	130 410 403 396				2635 2635 2635 2635					
MPIN		AVE	RAGE INUTES	S) E	CONO	MIC LO.	AD (C				OAD C		lo.		DATE O	F TEST		
TE:		* W	VHEN LC	0 0 0 0 0 0	DREDO	Pay -	ТН НОІ	PPERS	UNW	ATERE	D, IND	ICATE	BY LE	TTER	"U"	* 1		ERMINED DIRECT

		ental of Hopp W9					REPOR ENGCW-0-13	TS CON	TROL SYMI REPOR		
DISTRICT		Summed by	12.0.0	ILE DISTRICT				DREDGE	M/VCO	LUMBIA	
EXACT LOCATION	OF WORK	21217311117	Clar hard				_	DATE			
	rbor Ship Channel, Mo	bile AL			7.3	MA	UNTENANCE				ber 29, 2017
	Dredge Are Sta 494+00 to			T	$\overline{}$	NE	W WORK	NUMBER OF PERSON	IS IN CR	EVV	17
							21 23 2203.	13 Crew + 2 Observers	+1 QC		ptain 4387 CU YDS
AV LENGTH OF CU		FT	DENSIT	Y OF MATERIAL	ER OF MA	1.045	gms/liter	AV VOL OF BIN WATE			0 CU YDS
AV DIST TO DUMP		Sta. MILE	DENSIT	Y OF WATER		1.006	gms/liter	AV UNFILLED CAPAC	ITY		0 CU YDS
NAVIGATION AND								SPLAYED WITH HYPAG	ĸ		
		WORK PERFO	DRMED			IDR	AFT FOR LOA	D NO	-		AVG
E. L. K. 5.1	DREDGING AND HAL	JLING		AGITA					LIGI		LOADED 16
NO OF LOADS	TOT CU YDS 7,905	DISPOSA	LAREA	TOT CI	0 YDS	AF	RWARD		10		16
Previous Total		Mobile 1	02-SW			DR	RAG DEPTH	ar allegues at			4/0047
381 384	1,003,935 1,011,840			Prev: To Date:	0		DICATORS LA	ST CHECKED ON		- 8	/4/2017
384	1,011,640				RIBUTION						
				AGITATING (Minutes)	3	* 11/1	DRED	GING AND HAULING (Minutes)	7		ILES RUN tat. Miles)
EFFECTIVE WORK	KING TIME			(Millutes)							
PUMPING TURNING			PRESERVA			MANUAL VI		1:53	113	_	
TO DUMP			1000	STATE OF THE STATE OF	Professional			10:20	620		
DUMPING TO CUT								0:12 9:57	597		
TOTALS			THE WALL			(1) (1) (1) (1) (1) (1) (1) (1) (1) (1)		22:28	1348		
NON-EFFECTIVE I	WORKING TIME EL AND SUPPLIES					4.000		0:00	0		
TO AND FROM	ANCHORAGE		经产生					0:00	0		
	NATURAL ELEMENTS TRAFFIC AND BRIDG				the tyte in the		-	0:00 0:40	40		
MINOR OPERAT	TING REPAIRS		20世纪	Production of the second	· 中国			0:00 0:00	52		
LAY TIME	G BETWEEN WORKS	_						0:00	0		
10				1.75 (01.56) Park				0:00	0		
MISCELLANEOU	US		- MENTALS					1:32	92		
LOST TIME	A transfer of the fact of							0:00			
CESSATION	RS AND ALTERATION	S						0:00			
COLLISIONS								0:00	0		
TOTAL LOST TI		1440	1			=10.lb					
AVERAGE SPEED		FEET/N	NAUTE:		S RADAR I		BY MEANS OF	0:00	1440		
LOADING		22				70.50	GAGE	: NOAA tide gauge at D	og River	Bridge.	
AGITATING	II COMOUNTS	200		WEATHE	ER: V	Vinds N 1	0 kts, Waves	1-2 ft			
GALS OF FUEL OF	CONSUMED	323 74		FIELD							
REMARKS:	52 Min @ 0% Pay										
	40 Min @ 70% Pay										
SUBMITTED BY:											
				/6/	EE REVERS						

agreniuk@dutragrou p.com 2017.12.30 07:34

				DREA	KDOW	N OF L	OADS	DREDG	ED AN	_								cember 29, 2017
	0	TIME	PUMP			MINL	JTES					S of in					DEPTH IPLES	REPORT: 128
LOAD No.	UNWATERED	STARTED	STOPPED	PUMPING	TURNING	TO DUMP	DUMPING	TO CUT	TOTAL	SOLIDS ***	SUSPENDED SOLIDS ***	BIN WATER SOLIDS	TOTAL **	PER PUMPING MINUTE	PER ELAPSED MINUTE	DENSITY GMS/LITER ***	% SOLIDS (IN PLACE)	120
382 383 384 385		134 856 1531 2210	203 920 1601 2246	29 24 30 30	6	174 192 180 74	4 4 4	94 163 170 170	301 383 384 280				2635 2635 2635					
MPIN		AVE		52 Min	@ 0% 1		PAD (C	u . Yd		OMIC L		DATA OAD N	lo.	1	DATE O	PF TEST		

		Rental of Hop W9			<u>ss</u>		REPOR ENGCW-0-13	TS CONTE	ROL SYMBOL REPORT: 129
DISTRICT		U.S. ARMY	COE, MOB	ILE DISTRICT			DREDGE	M / V COL	JMBIA
EXACT LOCATION						ATTENDED	DATE	2	
Mobile Ha	rbor Ship Channel, Mo Dredge Are					MAINTENANCE	NUMBER OF PERSON		lay, December 30, 2017
	Sta 494+00 to					NEW WORK	13 Crew + 2 Observers		17 I Boat Captain
AV LENGTH OF CL		FT	DEMOIT	CHARACTER Y OF MATERIAL	OF MATERIA 1.045	gms/liter	AV VOL OF BIN WATE	R	4387 CU YDS 0 CU YDS
V DIST TO DUMP	34.03	Sta. MILE	DENSIT	Y OF WATER	1.006	gms/liter	AV UNFILLED CAPAC		0 CU YDS
IAVIGATION AND				ude statement on adeque			SPLAYED WITH HYPAC	к	
		WORK PERF	ORMED			DRAFT FOR LOA	D NO		AVG
	DREDGING AND HAL		1 4854	AGITATIN		FORWARD		LIGHT	LOADED 16
NO OF LOADS	TOT CU YDS 10,540	DISPOSA	AL AREA	TOT CU Y	DS 0	FORWARD		10	16
Previous Total	10,040	Mobile 1	02-SW			DRAG DEPTH			
384	1,011,840			Prev:	0		ST CHECKED ON		8/4/2017
388	1,022,380			To Date:	0 BUTION OF T	GAS INJECTORS	USED		
				AGITATING	BUTION OF T		GING AND HAULING		MILES RUN
				(Minutes)		7.00	(Minutes)		(Stat. Miles)
FFECTIVE WORK PUMPING	ING TIME		+			0	1:19	79	
TURNING			TERMINA THE		tre CD 1.		0:00	0	
TO DUMP					0.35 (0.55)	3	10:41	641	
TO CUT			10 miles (10 mil				0:46	674	
TOTALS			1230 (1238)				0:00	1440	
NON-EFFECTIVE V			20 To 30	U.Such Comme			0.00	- 0	
TAKING ON FUE	L AND SUPPLIES						0:00	0	
	ATURAL ELEMENTS						0:00	0	
	RAFFIC AND BRIDG	ES		Name of the American		610	0:00	0	
MINOR OPERAT	ING REPAIRS BETWEEN WORKS	_	president of the			20	0:00	0	
LAY TIME	BULLIVEEN WORKS						0:00	0	
	18			er kinele (A. Televisia).			0:00	0	
TOTALS	JS						0:00	0	
LOST TIME	V-1577 - 7 1 A		111111		A THE CHARLE	i i			
	S AND ALTERATION	S					0:00		
CESSATION			7 10 NO.				0:00		
TOTAL LOST TI	ME			10 10 10 10 10 10 10 10 10 10 10 10 10 1			0:00	0	
TOTAL TIME IN F	PERIOD	1440		[y u	ADAD ALLIS		0:00	1440	
AVERAGE SPEED	OF DREDGE	FEET/	MINUTE		ADAR IN USE	ED BY MEANS OF		1440	
LOADING			20	noc on the	The state of	GAGE	NOAA tide gauge at D	og River Br	ridge.
AGITATING				WEATHER:	Winds	N 5-10 kts, Waves	1-2 ft		
GALS OF FUEL OF GALS OF WATER		32	59 35	FIELD					
REMARKS:	CONSUMED	3	30	ILIEFE					
	100% Day								
0/10/107755 511									
SUBMITTED BY:									
					REVERSE SIL				

agreniuk@dutragrou p.com 2017.12.31 08:24

-	_			BREA	KDOW	/N OF L	OADS	DREDG	ED AN	ID HAI	JLED					Sati	urday, De	cember 30, 201
		TIME	PUMP			MINU	JTES				CUBIC In term			AINED		MID-	DEPTH	REPORT:
LOAD No.	UNWATERED	STARTED	STOPPED	PUMPING	TURNING	TO DUMP	DUMPING	TO CUT	TOTAL	SOLIDS ***	SUSPENDED SOLIDS ***	BIN WATER SOLIDS	TOTAL **	PER PUMPING MINUTE	PER ELAPSED MINUTE	DENSITY GMS/LITER *** §	% SOLIDS (IN PLACE)	129
385 386 387 388 389		525 1154 1832	553 1218 1859	28 24 27		94 181 189 177	34 4 4 4	197 176 181 120	128 410 393 389 120				2635 2635 2635 2635					
MPINO MARK		ME (M	RAGE INUTES	00% Da 0 0 0	ау	MIC LO		u . Yd	s)		OAD D	OAD N				F TEST		

				e and Atten 0-0092				REPOR ENGCW-0-13	RTS CON	TROL SYMI REPOR	
DISTRICT		U.S. ARMY C	F 7 65		СТ			DREDGE	M/VCC	LUMBIA	
	LODIC .	E 35 ME 77	4					DATE	M. U.	7.00.500	
EXACT LOCATION OF W Mobile Harbor S		ohile Al					MAINTENANCE	DATE	Sui	nday Decem	ber 31, 2017
Wobile Harbor S	Dredge Ar						MUNITIENA	NUMBER OF PERSON			ide: 31, 2017
	Sta 494+00 to						NEW WORK				17
AVUENOTU OF OUT	5000		_		LABACTED OF A	MATERIA	3 60 30	13 Crew + 2 Observers	+1 QC		
AV LENGTH OF CUT AV WIDTH OF CUT	6000 400	FT	DENSIT	Y OF MATE	HARACTER OF N	1.045	gms/liter	AV VOL OF BIN WATE	R		0 CU YDS
AV DIST TO DUMP	34.03	Sta. MILE	DENSIT	Y OF WATE	R	1.006	gms/liter	AV UNFILLED CAPAC			0 CU YDS
NAVIGATION AND OTHE		Carl Land			0.70.00000000		14.00	SPLAYED WITH HYPAG	ск		
	-	WORK PERFO	DMED				DRAFT FOR LOA	D NO		_	AVG
DRED	GING AND HAL		KWED		AGITATING		DRAFT FOR LOA	D NO	LIG	HT T	LOADED
	OT CU YDS	DISPOSAL	AREA		TOT CU YDS		FORWARD		8		16
2	5,370			Today:	0		AFT		10		16
Previous Total		Mobile 10	2-SW	-			DRAG DEPTH	T OUTOUTO ON		-	10017
	1,022,380		_	Prev:	0		GAS INJECTORS		_	8/	4/2017
390	1,027,750		_	To Date:	DISTRIBUTIO	N OF TH		USEU	_		
				AG	SITATING	21.07.10		SING AND HAULING		MI	LES RUN
			4	(1	Minutes)			(Minutes)		(St	at. Miles)
EFFECTIVE WORKING T PUMPING	TIME							1:08	68		
TURNING			Sec Adding		ANTONE SECTIONS	4952450		0:06	6		
TO DUMP		_			对扩大支票 。6			6:00	360	2	
DUMPING			語を開			色質的物質		0:08	8		
TO CUT								7:01	421 863		
TOTALS NON-EFFECTIVE WORK	ONGTIME				1 1 2 5 1 7 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1			14:23	803		
TAKING ON FUEL AN		-						7:11	431		
TO AND FROM ANCH								2:06	126	L	
LOSS DUE TO NATUR						1		0:00	10		
LOSS DUE TO TRAFF MINOR OPERATING F		E3		現象会 主張力能		3030045 5700		0:00	0		
TRANSFERRING BET					1.0			0:00	0		
LAY TIME								0:00	0		
MISCELLANEOUS								0:00	10	_	
TOTALS					W-LD Core A			9:37	577		
LOST TIME								6161]			
MAJOR REPAIRS AND	ALTERATION	S						0:00			
CESSATION								0:00			
TOTAL LOST TIME					e maderile per en e Protesta de la composición			0:00	0		
TOTAL TIME IN PERIO	DI	1440	NATIONAL DE	and the same	STEWNER PLANTS AND AND	NAME OF THE PARTY.		0,001			
AVERAGE SPEED OF D	REDGE				MINUTES RADAR			0:00	1440		
CADING		FEET / MI		111	TIDE DATA WAS	OBTAIN	ED BY MEANS OF	NOAA tide gauge at D	an Diver	Ouid-o	
LOADING AGITATING		220		1	WEATHER:	Winds I	V 25 kts, Waves 3		og River	Dridge,	
GALS OF FUEL OIL CON	NSUMED	1600			VERTILIES.	TT IT IT IT	t 20 Kio, Haveo	710			
GALS OF WATER CONS		935		F	FIELD						
REMARKS:											
	n @ 70% Pay ıĭn @ 0% Pay		s / To an	d From							
SUBMITTED BY:				-	_					_	
SSSWITTED DI.											
					(SEE REVE	DOE CIDA	21			-	
ENG FORM 27A, Apr 7	73		REPL	ACES COST			HICH MAY BE USE	D.			

							OADS	DILLDO	JED A		CUBIC	VADE	S DET	TAINET		Su	DEPTH	ember 31, 2017
2	Ω.	TIME	PUMP			MINU	JTES				In term						MPLES	REPORT: 130
LOAD No.	UNWATERED	STARTED	STOPPED	PUMPING	TURNING	TO DUMP	DUMPING	TO CUT	TOTAL	SOLIDS ***	SUSPENDED SOLIDS ***	BIN WATER SOLIDS	TOTAL **	PER PUMPING MINUTE	PER ELAPSED MINUTE	DENSITY GMS/LITER ***	% SOLIDS (IN PLACE)	
389 390 391		102 746 2343	128 817 2400	26 25 17	6	176 184	4 4	62 188 171	268 407 188				2635 2635					
MPIN MARI		* W	10 50 VHEN LC	0 min @ 67 min 0 0 DAD IS	9 70% F @ 0% F	Pay T Pay M	Misc / Su	u . Ya	/ To an	d From	D. IND	OAD N	BYLE	TTER	"[]*	F TEST		ERMINED DIRECT

DISTRICT	rder 0001	endant Plant			REPOR ENGCW-0-13	RTS CON	REPC	
	E, MOBILE DIST	RICT			DREDGE	M/V CC	LUMBIA	
Mobile Harbor Ship Channel, Mobile AL			1	Maria Sarah	DATE	- 14	distant	
Desiden Assa C			M	IAINTENANCE	NUMBER OF PERSON			nuary 01, 2018
Dredge Area 6 Sta 494+00 to 554+00	400			IEW WORK	13 Crew + 2 Observers			
AV LENGTH OF CUT 6000 FT	DENSITY OF MA	CHARACTER OF MA	1.045	gms/liter	HOPPER CAPACITY AV VOL OF BIN WATE	D		4387 CU Y
	DENSITY OF WA		1.006	gms/liter	AV UNFILLED CAPAC			0 CU Y
NAVIGATION AND OTHER DREDGING AIDS: (Describe RADAR, DIGITAL					SPLAYED WITH HYPAG	ск		
WORK PERFOR	RMED		D	RAFT FOR LOA	D NO		- 1	AVG
DREDGING AND HAULING	ADEA I	AGITATING TOT CU YDS		ORWARD		LIG!		LOADED 16
NO OF LOADS TOT CU YDS DISPOSAL A	Today			FT		10		16
Previous Total Mobile 102	-SW			RAG DEPTH	T ALIFAMES ALL			0/4/0047
390 1,027,750	Prev:	0		NDICATORS LAS	T CHECKED ON	_		8/4/2017
391 1,030,385	10 Date	DISTRIBUTION			UJLD	_		I A - No-
	1	AGITATING (Minutes)		DREDO	GING AND HAULING (Minutes)			MILES RUN (Stat. Miles)
EFFECTIVE WORKING TIME					0:09	9		
PUMPING TURNING		基本管理系统中型区	73 7 7 2 A		0:00	0		
TO DUMP					2:57	177		
DUMPING			THE REAL PROPERTY.		0:04	0		
TO CUT TOTALS	700 220 22	1.50	SC C		3:10	190		
NON-EFFECTIVE WORKING TIME TAKING ON FUEL AND SUPPLIES			SECTION OF		0:00	0		
					0:00	0		
					0:00	0		
					0:00	0	_	
					0:00	01		
		是其代的基本。 1000年	12.00		0:00	0		
MISCELLANEOUS					20:50	1250		
TOTALS LOST TIME					20.50	1250		
MAJOR REPAIRS AND ALTERATIONS	。而此的问题。由此		元空间		0:00			
			1		0:00			
COLLISIONS TOTAL LOST TIME			7 27 36 24		0:00	0		
TOTAL TIME IN PERIOD 1440			Y-71					
AVERAGE SPEED OF DREDGE	ICITE .	MINUTES RADAR II		DV MEANS OF	0:00	1440		
LOADING FEET / MIN	NUIE	TIDE DATA WAS C	OBTAINEL		NOAA tide gauge at D	og River	Bridge.	
AGITATING		WEATHER: V	Winds N 2	205 kts, Waves				
GALS OF FUEL OIL CONSUMED 3127		EUR D						
GALS OF WATER CONSUMED 750 REMARKS:		FIELD				-		

-	_			BREA	KDOW	N OF L	OADS	DRED	GED AN	ID HAI						М	onday, Ja	nuary 01, 2018
		TIME	PUMP			MINU	JTES			,				TAINED		MID-	DEPTH MPLES	REPORT: 131
LOAD No.		STARTED	STOPPED	PUMPING	TURNING	TO DUMP	DUMPING	TO CUT	TOTAL	SETTLED SOLIDS ***	SUSPENDED SOLIDS ***	BIN WATER SOLIDS	TOTAL **	PER PUMPING MINUTE	PER ELAPSED MINUTE	DENSITY GMS/LITER ***	% SOLIDS (IN PLACE)	101
391		0	9	9		177	4		190				2635	_				
MPING TE:		мЕ (<i>Мі</i>		250 mir 0 0	n @ 0%		Misc o	Cu . Yo	ctTraffic		TEST L	OAD N				PF TEST		

		ental of Hoppe W91		e and Atte -0092	ER DREDGES ndant Plant			REPO ENGCW-0-13		NTROL S' REF	YMBOL PORT:	180
DISTRICT		Task	Jidei oo	, ,				DREDGE				
		U.S. ARMY C	OE, MOB	ILE DISTE	RICT				M / V C	OLUMBIA		
EXACT LOCATION	I OF WORK							DATE				
Mobile Ha	arbor Ship Channel, Mo						MAINTENANCE				April 24, 2	018
	Dredge Area U Sta 29+00 to 72				l —	7	NEW WORK	NUMBER OF PERSO	NS IN CF	REW	20	
	Sta 29+00 to 72	+09+00				_	NEW WORK	13 Crew + 2 Observer	s + 2 QC	+ 2 Boat		SSHO
AV LENGTH OF C		FT			CHARACTER OF			HOPPER CAPACITY			4387	CU YDS
AV WIDTH OF CUT AV DIST TO DUMP		FT Sta. MILE		Y OF MAT		1.045 1.006	gms/liter gms/liter	AV VOL OF BIN WAT AV UNFILLED CAPAC			0	CU YDS
	OTHER DREDGING A							JAV UNFILLED CAFAC) I I I		- 0	COTDS
	RA	DAR, DIGITAL	GYRO C	OMPASS	INTERFACED WI	TH DIFFEI	RENTIAL GPS, DIS	SPLAYED WITH HYPA	ск			
		VORK PERFO	RMED				DRAFT FOR LOA	D NO			AVG	
NO OF LOADS	DREDGING AND HAU TOT CU YDS	LING DISPOSAL	ADEA .	1	AGITATING TOT CU YDS		FORWARD	-	LIG {			ADED 16
1	2,635	DISFOSAL	ANEA	Today:	0		AFT			0		16
Previous Total		Mobile 10	2-SW		-		DRAG DEPTH					
391	1,030,285			Prev:	0		INDICATORS LAS				8/4/2017	
392	1,032,920			To Date:	DISTRIBUTION OF THE PROPERTY O	ON OF TIM	GAS INJECTORS	USED				
					GITATING	011 01 1111		GING AND HAULING			MILES RU	
EFFECTIVE WORK	ZINIO TIME				(Minutes)			(Minutes)			(Stat. Mile	s)
PUMPING	VING TIME							0:28	28			
TURNING								0:08	8			
TO DUMP DUMPING								4:27 0:04	267 4			
TO CUT								3:40	220			
TOTALS								8:47	527			
NON-EFFECTIVE \	WORKING TIME EL AND SUPPLIES	•						0:00	0			
TO AND FROM								2:21	141			
	NATURAL ELEMENTS	0						0:00	0			
MINOR OPERAT	RAFFIC AND BRIDGE	.5						0:00 0:00	0 395			
TRANSFERRING	BETWEEN WORKS							0:00	0			
LAY TIME								0:00 0:00	0			
MISCELLANEOU	JS							0:00	0			
TOTALS								8:56	536			
LOST TIME	S AND ALTERATIONS							6:17	377			
CESSATION	3 AND ALTERATIONS							0:00	311			
COLLISIONS								0:00				
TOTAL LOST TII		440						6:17	377			
AVERAGE SPEED		440			MINUTES RADAR	R IN USE		0:00	1440			
LOADING		FEET / MI 220	NUTE					E: NOAA tide gauge a	t State D	ocks.		
AGITATING GALS OF FUEL OI	I CONSUMED	680			WEATHER:	Winds S	20 kts, Waves 1	-3 ft				
GALS OF WATER		896			FIELD							
REMARKS:								•				
SUBMITTED BY:	913 min @ 0% Pay N	Major-Minor R	epairs	Shipyard								

				BREA	KDOW	N OF L	OADS	DREDG	SED AN	ID HAU	JLED					Т	uesday,	April 24, 2018
		TIME	DIIMD			MINU	ITES				CUBIC	YARD	S RET	AINED)	MID-I	DEPTH	REPORT:
		IIIVIE	FOWIF	<u> </u>		WIIING	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		'	(1	In term	s of in p	olace n	naterial		SAN	PLES	180
LOAD No.	UNWATERED	STARTED	STOPPED	PUMPING	TURNING	TO DUMP	DUMPING	TO CUT	TOTAL	SETTLED SOLIDS ***	SUSPENDED SOLIDS ***	BIN WATER SOLIDS	TOTAL **	PER PUMPING MINUTE	PER ELAPSED MINUTE	DENSITY GMS/LITER ***	% SOLIDS (IN PLACE) ***	
392 393		838	914	28	8	267	4	220	307 220				2635					
	Ш	AV	/ERAGE														<u> </u>	
											LOAD							
PUMP	ING	TIME (/	MINUTI	ES)	ECON	OMIC L	OAD (Cu . Y	'ds)		TEST	LOAD	No.		DATE	OF TEST	Γ	
REMA		*	WHEN I	0 0 0		% Pay						DICAT	F RV !	FTTC	2 " "			
14012.				CUBIC Y	YARDS METER	RETAI	INED =	SETTL	ED SOI	LIDS +	SUSP	ENDE				TER SOL	IDS OR DE	ETERMINED DIRECTLY

		ental of Hoppe W912		e and Atte -0092	ER DREDGES ndant Plant			REPO ENGCW-0-13		NTROL S REF	YMBOL PORT:	245
DISTRICT					DICT			DREDGE	MING	OLUMBIA		
		U.S. ARMY C	JE, MOB	ILE DISTR	RICI				WI / V C	OLUMBIA	`	
EXACT LOCATION Mobile Ha	l OF WORK arbor Ship Channel, Mol	hile Al					MAINTENANCE	DATE	w	ednesda	y, April 25,	2018
WIODIIC I I	Dredge Area U	Ipriver					MAINTENANOL	NUMBER OF PERSO			y, April 20,	2010
	Sta 29+00 to 7	72+09					NEW WORK	13 Crew + 2 Observer	~ + 2 OC	+ 2 Boat	20 Captain+ 1	SSHO
AV LENGTH OF CU		FT			CHARACTER OF			HOPPER CAPACITY		1 Z DOAL	4387	CU YDS
AV WIDTH OF CUT AV DIST TO DUMP		FT Sta. MILE		Y OF MAT		1.045 1.006	gms/liter gms/liter	AV VOL OF BIN WAT AV UNFILLED CAPAC			0	CU YDS
	OTHER DREDGING A							THE OWN PEED ON THE	JII I			00 100
	RAI	DAR, DIGITAL	GYRO C	OMPASS	INTERFACED W	ITH DIFFEI	RENTIAL GPS, DIS	SPLAYED WITH HYPA	CK			
		VORK PERFO	RMED		ACITATING		DRAFT FOR LOA	D NO	LIC	· · · ·	AVG	DED
NO OF LOADS	DREDGING AND HAUI TOT CU YDS	DISPOSAL	AREA		AGITATING TOT CU YDS		FORWARD	ŀ	LIG {	<u>эн і</u>		DED 6
2	5,270	14 1 11 40	2 011/	Today:	0		AFT		1	0	1	6
Previous Total 392	1,032,920	Mobile 102	2-SW	Prev:	0		DRAG DEPTH INDICATORS LAS	ST CHECKED ON			8/4/2017	
394	1,038,190			To Date:	0		GAS INJECTORS				-,	
				Δ	DISTRIBUT GITATING	ION OF TIM		SING AND HAULING			MILES RU	N
					(Minutes)		BNEBC	(Minutes)			(Stat. Miles	
EFFECTIVE WORK PUMPING	KING TIME							1:37	97			
TURNING								0:00	0			
TO DUMP DUMPING								11:46 0:08	706 8			
TO CUT								9:29	569			
TOTALS NON-EFFECTIVE V	WORKING TIME							23:00	1380			
TAKING ON FUE	L AND SUPPLIES	•						0:00	0			
TO AND FROM A	ANCHORAGE IATURAL ELEMENTS							0:00 0:00	0			
LOSS DUE TO T	RAFFIC AND BRIDGE	S						0:00	0			
MINOR OPERAT TRANSFERRING	BETWEEN WORKS							0:00 0:00	60 0			
LAY TIME								0:00	0			
MISCELLANEOU	JS							0:00 0:00	0			
TOTALS								1:00	60			
LOST TIME MAJOR REPAIR	S AND ALTERATIONS	;						0:00	0			
CESSATION								0:00				
COLLISIONS TOTAL LOST TI	ME							0:00	0			
TOTAL TIME IN F	PERIOD 14	440						•				
AVERAGE SPEED LOADING	OF DREDGE	FEET / MII 220			MINUTES RADA TIDE DATA WA		ED BY MEANS OF GAG	0:00 E: NOAA tide gauge a	1440 at State D	ocks.		
AGITATING					WEATHER:	Winds S	10 kts, Waves 1-	2 ft				
GALS OF FUEL OIL		2660 1194			FIELD							
REMARKS:								· ·				
	60 min @ 0% Pay Mi	inor Repairs										
SUBMITTED BY:												

				BREA	KDOW	N OF L	OADS	DREDG	SED AN	ID HAL	ILED					We	ednesda	y, April 25, 2018
		TIME	DUMD			MINI	ITEC				CUBIC	YARD	S RET	AINED)		DEPTH	REPORT:
		IIIVIE	PUMP			MINU	JIES			(In term	s of in µ	olace n	naterial)	SAM	PLES	245
LOAD No.	UNWATERED	STARTED	STOPPED	PUMPING	TURNING	TO DUMP	DUMPING	то сит	TOTAL	SETTLED SOLIDS ***	SUSPENDED SOLIDS ***	BIN WATER SOLIDS	TOTAL **	PER PUMPING MINUTE	PER ELAPSED MINUTE	DENSITY GMS/LITER ***	% SOLIDS (IN PLACE) ***	
393 394 395		136 1102 2024	218 1129 2052			249 269 188	4 4		331 571 478				2635					
		AV	ERAGE						F001	101110	LOAD	DATA						
DLIVAD	INIC	TINAT /	N / I N I I I T	EC 1	FOON	ONNO	045 /	(Cu. \)		IOMIC		LOAD	No		DATE	OF TEST	<u> </u>	
PUMP	iNG	IIIVIE (<i>I</i>	MINUT	ES)	ECON	OMIC L	UAD (Cu.Y	us)		ILOI	LOAD	140.		DAIE	OI IES		
REMA		6		0 0 0		Pay N												
NOTE:		*	WHEN															
			BY YAR NOT NE	DAGE I	METER) SOLI	DS - B	IN WAT	ER SOL	IDS OR DI	ETERMINED DIRECTLY

		ental of Hoppe W912		and Atte	PER DREDGES endant Plant			REPOR ENGCW-0-13	RTS CON		YMBOL PORT:	246
DISTRICT		U.S. ARMY C			RICT			DREDGE	M / V CC	LUMBIA	λ.	
EXACT LOCATION	LOF WORK				1			DATE				
	arbor Ship Channel, Mo						MAINTENANCE				, April 26, 2	018
	Dredge Area L Sta 29+00 to 7						NEW WORK	NUMBER OF PERSON			19	00110
AV LENGTH OF C		FT			L CHARACTER OF M	IATERIAL		13 Crew + 2 Observers HOPPER CAPACITY		+ 2 Boat	4387	CU YDS
AV WIDTH OF CUT AV DIST TO DUMP		FT Sta. MILE		Y OF MAT		1.045 1.006	gms/liter gms/liter	AV VOL OF BIN WATE AV UNFILLED CAPAC			0	CU YDS CU YDS
IAVIGATION AND	OTHER DREDGING A	NDS: (Describe	and inclu	ude staten	nent on adequacy ar	nd recomm	mendations.)	SPLAYED WITH HYPAG			-	00 100
	N DREDGING AND HAU	VORK PERFO	RMED		AGITATING		DRAFT FOR LOAI	O NO	LIGI	uт	AVG	ADED
NO OF LOADS	TOT CU YDS	DISPOSAL	AREA		TOT CU YDS		FORWARD	_	8			16
3	7,905		2 011/	Today:	0		AFT		10)	1	16
Previous Total 394	1,038,190	Mobile 102	2-SW	Prev:	0		DRAG DEPTH INDICATORS LAS	T CHECKED ON			8/4/2017	
397	1,046,095			To Date:			GAS INJECTORS				0/ 1/2011	
					DISTRIBUTIO AGITATING	N OF TIM		SING AND HAULING			MILES RU	INI
					(Minutes)		DREDG	(Minutes)			(Stat. Miles	
FFECTIVE WORK	KING TIME				•			4.04	64			
PUMPING TURNING								1:01 0:00	61 0			
TO DUMP								10:08	608			
DUMPING TO CUT								0:12 12:39	12 759			
TOTALS								0:00	1440			
ON-EFFECTIVE I	WORKING TIME EL AND SUPPLIES	-						0:00	0			
TO AND FROM A	ANCHORAGE							0:00	0			
	NATURAL ELEMENTS TRAFFIC AND BRIDGE	S						0:00 0:00	0			
MINOR OPERAT	TING REPAIRS							0:00	0			
TRANSFERRING LAY TIME	3 BETWEEN WORKS							0:00 0:00	0			
								0:00	0			
MISCELLANEOU TOTALS	JS							0:00	0			
OST TIME								0:00	U			
	S AND ALTERATIONS	;						0:00	0			
CESSATION COLLISIONS								0:00 0:00				
TOTAL LOST TII								0:00	0			
TOTAL TIME IN F AVERAGE SPEED		440			MINUTES RADAR	IN USF		0:00	1440			
OADING	0. 5.12502	FEET / MII 220	NUTE		TIDE DATA WAS			E: NOAA tide gauge at		ocks.		
AGITATING					WEATHER:	Winds li	ght and variable,					
GALS OF FUEL OF		2399 895			FIELD							
REMARKS:	CONSUMED	090			FIELD							
	100% Day											
SUBMITTED BY:												

				BREA	KDOW	N OF L	OADS	DKEDG	SED AN	_								April 26, 2018
		TIME	PUMP			MINU	JTES					YARD					DEPTH	REPORT:
	ΞD									(1	n term	s of in p	olace n		_		PLES	246
LOAD No.	UNWATER	STARTED	STOPPED	PUMPING	TURNING	TO DUMP	DUMPING	TO CUT	TOTAL	SETTLED SOLIDS ***	SUSPENDED SOLIDS ***	BIN WATER SOLIDS	TOTAL **	PER PUMPING MINUTE	PER ELAPSED MINUTE	DENSITY GMS/LITER ***	% SOLIDS (IN PLACE)	
395 396 397 398		543 1518		29 32		67 274 267	4 4 4	272 268 219	71 579 571				2635 2635 2635					
		ΑV	/ERAGE															
										IOMIC								
PUMP	ING	TIME (MINUT	ES)	ECON	OMIC L	OAD (Cu . Y	′ds)		TEST	LOAD	No.		DATE	OF TEST	Γ	
REMA		*	WHEN	100% I 0 0		DGED \	MITU U	OPPE	25 1 1819	VATER	ED IN	DICAT	F RV I	FTTC	2 "! !"			
NOTE:				CUBIC DAGE I	YARDS METER	RETAI	NED =	SETTL	ED SO	LIDS +	SUSP	ENDE				TER SOL	IDS OR DI	ETERMINED DIRECTLY

		ental of Hoppe W912		and Atte -0092	ER DREDGES ndant Plant			REPO ENGCW-0-13		NTROL S REF	YMBOL PORT:	247
DISTRICT					NOT			DREDGE	MING	OLUMBIA		
		U.S. ARMY C	OE, MOB	ILE DISTE	RICT				M/VC	OLUMBIA		
EXACT LOCATION Mobile Ha	l OF WORK arbor Ship Channel, Mol	hile Al					MAINTENANCE	DATE		Friday A	April 27, 20	18
Woodio	Dredge Area U	priver						NUMBER OF PERSO	NS IN CF		•	
	Sta 29+00 to 7	72+09					NEW WORK	13 Crew + 2 Observer	s + 1 OC	+ 2 Boat	19 Captain+ 1	SSHO
AV LENGTH OF CU	JT 4300	FT	DELIGIT		CHARACTER OF			HOPPER CAPACITY		- 2 Dout	4387	CU YDS
AV WIDTH OF CUT AV DIST TO DUMP	45	Sta. MILE	DENSIT'		ER	1.045 1.006	gms/liter gms/liter	AV VOL OF BIN WAT AV UNFILLED CAPAC			0	CU YDS CU YDS
NAVIGATION AND	OTHER DREDGING A	`			. ,		,	SPLAYED WITH HYPA	ск			
		VORK PERFO	RMED		ACITATING		DRAFT FOR LOAI	D NO	LIC	NIT.	AVG	DED
NO OF LOADS	DREDGING AND HAUI TOT CU YDS	DISPOSAL	AREA		AGITATING TOT CU YDS		FORWARD	-	LIG {	3 3		DED 6
2 Previous Total	5,270	Mobile 102	2 6/1/	Today:	0		AFT DRAG DEPTH		1	0	1	6
397	1,046,095	Mobile 102	2-300	Prev:	0		INDICATORS LAS	ST CHECKED ON			8/4/2017	
399	1,051,365			To Date:	0	ON OF TIM	GAS INJECTORS	USED				
				Α	DISTRIBUTI GITATING	ON OF TIN		SING AND HAULING			MILES RU	N
EFFECTIVE WORK	(ING TIME				(Minutes)			(Minutes)			(Stat. Mile:	s)
PUMPING	WIND TIME							1:29	89			
TURNING TO DUMP								0:00 12:04	0 724			
DUMPING								0:08	8			
TO CUT TOTALS								10:19 0:00	619 1440			
NON-EFFECTIVE \								'				
TAKING ON FUE	EL AND SUPPLIES ANCHORAGE							0:00 0:00	0			
LOSS DUE TO N	NATURAL ELEMENTS							0:00	0			
MINOR OPERAT	RAFFIC AND BRIDGE	S						0:00 0:00	0			
TRANSFERRING	BETWEEN WORKS							0:00	0			
LAY TIME								0:00 0:00	0			
MISCELLANEOU	JS							0:00	0			
TOTALS LOST TIME								0:00	0			
	S AND ALTERATIONS							0:00	0			
CESSATION COLLISIONS								0:00 0:00				
TOTAL LOST TII								0:00	0			
TOTAL TIME IN F AVERAGE SPEED		440			MINUTES RADAR	R IN USE		0:00	1440			
LOADING		FEET / MII 220					D BY MEANS OF	E: NOAA tide gauge a		ncks		
AGITATING		220			WEATHER:	Winds li	ght and variable,		it Otate D	ooks.		
GALS OF FUEL OF GALS OF WATER		2301			EIEL D							
REMARKS:	CONSUMED	795			FIELD							
	100% Day											
SUBMITTED BY:												

				BREA	KDOW	N OF L	OADS	DREDG	ED AN	D HAU	ILED						Friday, <i>A</i>	April 27, 2018
		TIME	PLIMP			MINU	ITES				CUBIC	YARD	S RET	AINED		MID-I	DEPTH	REPORT:
	Q		0.000							(1	In term	s of in p	olace n	naterial)		PLES	247
LOAD No.	UNWATERED	STARTED	STOPPED	PUMPING	TURNING	TO DUMP	DUMPING	TO CUT	TOTAL	SETTLED SOLIDS ***	SUSPENDED SOLIDS ***	BIN WATER SOLIDS	TOTAL **	PER PUMPING MINUTE	PER ELAPSED MINUTE	DENSITY GMS/LITER ***	% SOLIDS (IN PLACE)	
	Ш	AV	/ERAGE															
										IOMIC							-	
PUMP	ING	TIME (MINUT	ES)	ECON	OMIC L	OAD (Cu . Y	'ds)		TEST	LOAD	No.		DATE	OF TEST	-	
REMA				100% [0 0														
NOTE:			WHEN TOTAL (BY YAR NOT NE	CUBIC T DAGE I	YARDS METER	RETAI	NED =	SETTL	ED SO	LIDS +	SUSP	ENDE				ER SOL	DS OR DE	ETERMINED DIRECTLY

		ental of Hoppe W91		e and Atte -0092	PER DREDGES Endant Plant			REPO ENGCW-0-13		NTROL S REF	YMBOL PORT:	248
DISTRICT		Task	Stact ook	V 1				DREDGE				
		U.S. ARMY C	OE, MOB	ILE DISTE	RICT				M / V C	OLUMBIA	A	
EXACT LOCATION	I OF WORK							DATE				
Mobile Ha	arbor Ship Channel, Mo						MAINTENANCE				, April 28, 2	2018
	Dredge Area U Sta 29+00 to 7					1	NEW WORK	NUMBER OF PERSO	NS IN CF	REW	19	
	Sta 29+00 to 1	72+09					NEW WORK	13 Crew + 2 Observer	s + 1 QC	+ 2 Boat		
AV LENGTH OF C		FT			CHARACTER OF I			HOPPER CAPACITY			4387	CU YDS
AV WIDTH OF CUT AV DIST TO DUMF		FT Sta. MILE		Y OF MAT		1.045	gms/liter gms/liter	AV VOL OF BIN WAT			0	CU YDS CU YDS
	OTHER DREDGING A							AV ONFILLED CAPAC)		- 0	COTDS
	RA	DAR, DIGITAL	GYRO C	OMPASS	INTERFACED WI	TH DIFFEI	RENTIAL GPS, DI	SPLAYED WITH HYPA	СК			
		VORK PERFO	RMED				DRAFT FOR LOA	D NO			AVG	
NO OF LOADS	DREDGING AND HAU TOT CU YDS	LING DISPOSAL	ADEA .	ı	AGITATING TOT CU YDS		FORWARD	-	LIG 8			ADED 16
2	5,270	DISFOSAL	ANEA	Today:	0		AFT			0		16
Previous Total		Mobile 10	2-SW				DRAG DEPTH			-		
399	1,051,365			Prev:	0		INDICATORS LAS				8/4/2017	
401	1,056,635			To Date:	DISTRIBUTION	ON OF TIM	GAS INJECTORS	USED				
					GITATING	J. C. 1111		GING AND HAULING			MILES RU	
EFFECTIVE WOR	ZINIO TIME				(Minutes)			(Minutes)			(Stat. Mile	es)
PUMPING	VING TIME							0:51	51			
TURNING								0:00	0			
TO DUMP DUMPING								9:38 0:30	578 30			
TO CUT								9:02	542			
TOTALS								20:01	1201			
NON-EFFECTIVE Y	WORKING TIME EL AND SUPPLIES	-						0:00	0			
TO AND FROM								0:00	0			
	ATURAL ELEMENTS							0:00	0			
MINOR OPERAT	RAFFIC AND BRIDGE	:S						0:00 0:00	0 239			
TRANSFERRING	BETWEEN WORKS							0:00	0			
LAY TIME								0:00 0:00	0			
MISCELLANEOU	JS							0:00	0			
TOTALS								3:59	239			
LOST TIME	S AND ALTERATIONS							0:00	0			
CESSATION	3 AND ALTERATIONS)						0:00	- 0			
COLLISIONS								0:00				
TOTAL LOST TII		440						0:00	0			
AVERAGE SPEED		440			MINUTES RADAF	R IN USE		0:00	1440			
LOADING		FEET / MI 220	NUTE					E: NOAA tide gauge a	t State D	ocks.		
AGITATING GALS OF FUEL OI	I CONSUMED	l1317			WEATHER:	winds ii	ght and variable,	waves 1-2 π				
GALS OF WATER		748			FIELD							
	239 min @ 0% Pay I	Minor Repairs	Electri	cal								
SUBMITTED BY:					VOEE DEVE							

				BREA	KDOW	/N OF L	OADS	DREDG	ED AN	ID HAU	ILED					S	aturday,	April 28, 2018
		TIME	DIIMP			MINU	ITES				CUBIC	YARD	S RET	AINED)	MID-I	DEPTH	REPORT:
			r Own	<u> </u>						(1	In term	s of in p	olace n	naterial			PLES	248
LOAD No.	UNWATERED	STARTED	STOPPED	PUMPING	TURNING	TO DUMP	DUMPING	TO CUT	TOTAL	SETTLED SOLIDS ***	SUSPENDED SOLIDS ***	BIN WATER SOLIDS	TOTAL **	PER PUMPING MINUTE	PER ELAPSED MINUTE	DENSITY GMS/LITER ***	% SOLIDS (IN PLACE) ***	
400 401 402		600		24 27		86 287 295	4 4		90 585 594				2635 2635					
	Ш	AV	/ERAGE		$\overline{}$	\vdash											 	
									ECON	OMIC							•	
PUMP	ING	TIME (MINUTI	ES)	ECON	OMIC LO	OAD (Cu . Y	′ds)		TEST	LOAD	No.		DATE	OF TEST	Γ	
REMA				0 0 0		% Pay					I I	DICAT	E DV '					
NOTE:		**	WHEN I TOTAL (BY YAR NOT NE	CUBIC Y	YARDS METER	RETAI	INED =	SETTL	ED SO	LIDS +	SUSP	ENDED				TER SOL	IDS OR DI	ETERMINED DIRECTLY

		ental of Hoppe W912		e and Atte -0092	ER DREDGES ndant Plant			REPO ENGCW-0-13		NTROL S REF	YMBOL PORT:	250
DISTRICT					NOT			DREDGE	M / / / O/	OL LIMBIA		
		U.S. ARMY C	JE, MOB	ILE DISTE	RICT				M / V C	OLUMBIA	.	
EXACT LOCATION	OF WORK arbor Ship Channel, Mo	hile ΔI					MAINTENANCE	DATE		Monday	April 30, 20	118
WODIIC I I	Dredge Area U	Ipriver				_	WAINTENANCE	NUMBER OF PERSO			April 30, 20	710
	Sta 29+00 to 7	72+09]	NEW WORK	13 Crew + 2 Observer	s + 1 OC	+ 2 Roat	19 Cantain+ 1	SSHO
AV LENGTH OF CL	JT 4300	FT			CHARACTER OF I			HOPPER CAPACITY		· Z Doat	4387	CU YDS
AV WIDTH OF CUT AV DIST TO DUMP		FT Sta. MILE		Y OF MAT Y OF WAT		1.045	gms/liter gms/liter	AV VOL OF BIN WAT AV UNFILLED CAPAC			0	CU YDS CU YDS
NAVIGATION AND	OTHER DREDGING A	IDS: (Describe	and inclu	ude statem	nent on adequacy a	nd recom	mendations.)					
	RAI	DAR, DIGITAL	GYRO C	OMPASS	INTERFACED WI	TH DIFFE	RENTIAL GPS, DIS	SPLAYED WITH HYPA	СК			
		VORK PERFO	RMED		AGITATING		DRAFT FOR LOA	D NO	LIG	·UT	AVG	ADED
NO OF LOADS	DREDGING AND HAUI TOT CU YDS	DISPOSAL	AREA		TOT CU YDS		FORWARD	-	LIG {			16
3	7,905	M. I. I 404	014/	Today:	0		AFT		1	0	•	16
Previous Total 403	1.061.905	Mobile 102	2-SW	Prev:	0		DRAG DEPTH INDICATORS LAS	ST CHECKED ON			8/4/2017	
406	1,069,810			To Date:	0		GAS INJECTORS	USED				
				A	DISTRIBUTION GITATING	ON OF TIM		SING AND HAULING			MILES RU	IN
					(Minutes)		5.125	(Minutes)			(Stat. Mile	
EFFECTIVE WORK PUMPING	KING TIME							0:53	53			
TURNING								0:00	0			
TO DUMP DUMPING								12:35 0:12	755 12			
TO CUT								10:20	620			
TOTALS NON-EFFECTIVE V	WORKING TIME							0:00	1440			
TAKING ON FUE	L AND SUPPLIES	•						0:00	0			
TO AND FROM A	ANCHORAGE IATURAL ELEMENTS							0:00 0:00	0			
LOSS DUE TO T	RAFFIC AND BRIDGE	S						0:00	0			
MINOR OPERAT	BETWEEN WORKS							0:00 0:00	0			
LAY TIME								0:00	0			
MISCELLANEOU	JS							0:00 0:00	0			
TOTALS								0:00	0			
LOST TIME MAJOR REPAIR	S AND ALTERATIONS	;						0:00	0			
CESSATION								0:00				
COLLISIONS TOTAL LOST TI	ME							0:00	0			
TOTAL TIME IN F	PERIOD 14	440						•				
AVERAGE SPEED LOADING	OF DREDGE	FEET / MII 220			MINUTES RADAF TIDE DATA WAS		ED BY MEANS OF	0:00 E: NOAA tide gauge a	1440 t State D	ocks.		
AGITATING					WEATHER:	Winds I	ight and variable,					
GALS OF FUEL OIL		2365 935			FIELD			1				
REMARKS:	CONCOMED	300			I ILLD							
	100% Day											
SUBMITTED BY:												

				BREA	KDOW	N OF L	OADS	DREDG	SED AN	ID HAL	ILED					N	Лonday,	April 30, 2018
		TIME	PUMP			MINU	JTES					YARD				MID-I	DEPTH	REPORT:
,	ED									(n term	s of in µ	olace n		i d		PLES	250
LOAD No.	UNWATERED	ED	ËD	NG	NG	MP	NG	5	Ļ	ED ***	SUSPENDED SOLIDS ***	BIN WATER SOLIDS	*	PER PUMPING MINUTE	PER ELAPSED MINUTE	TY :R **	% SOLIDS (IN PLACE) ***	
ľ () NN	STARTED	STOPPED	PUMPING	TURNING	ТО DUMP	DUMPING	то сит	TOTAL	SETTLED SOLIDS **	SUSPENI SOLIDS	I WA'	TOTAL **	R PUMPII MINUTE	R ELAPS MINUTE	ENSI /LITE	SOL PLA ***	
	\lceil	S	S	Pl	ĭ)T	ח	-		SOS	SUS	BIN	Ĺ	PER	PER N	DENSITY GMS/LITER	% N)	
404						219	4		223				2635					
405 406		750 1730	816 1757			281 255	4	247 269	558 555				2635					
407		1100	1707			200		104	104									
			(EB 4 6 5															
		AV	'ERAGE						ECON		LOAD	DATA		<u> </u>				l
PUMP	INC	G TIME (MINUT	ES)	ECON	OMIC L	OAD (Cu . Y				LOAD	No.		DATE	OF TEST	Γ	
REMA	RK	(S																
				100% [Day													
				0														
NOTE		*	\A/I != \	0	0.000	0050:	A/IT: : · ·	0000	20 1 11 11	VATE:	ED :::	DICAT	E D) ()		2 " ! ! "			
NOTE	:	**		CUBIC '	YARDS	RETAI										TER SOL	IDS OR DI	ETERMINED DIRECTLY
			BY YAR	DAGE I	METER	1												
	BY YARDAGE METER *** NOT NECESSARY WHEN MEASURING LOAD BY YARDAGE METER																	

		ental of Hoppe W91		e and Atte -0092	PER DREDGES Endant Plant			REPO ENGCW-0-13		NTROL S REF	YMBOL PORT:	251
DISTRICT		Task	Stact oo	V 1				DREDGE				
		U.S. ARMY C	OE, MOB	ILE DISTE	RICT				M / V C	OLUMBIA	١.	
EXACT LOCATION	I OF WORK							DATE				
Mobile Ha	arbor Ship Channel, Mo						MAINTENANCE				May 01, 2	018
	Dredge Area U Sta 29+00 to 7					7	NEW WORK	NUMBER OF PERSO	NS IN CF	REW	19	
	Sta 29+00 to 1	72+09				_	NEW WORK	13 Crew + 2 Observer	s + 1 QC	+ 2 Boat		
AV LENGTH OF C		FT			CHARACTER OF I			HOPPER CAPACITY			4387	CU YDS
AV WIDTH OF CUT AV DIST TO DUMF		FT Sta. MILE		Y OF MAT		1.045 1.006	gms/liter gms/liter	AV VOL OF BIN WAT			0	CU YDS CU YDS
	OTHER DREDGING A							JAV UNFILLED CAFAC	/II T			COTDS
	RA	DAR, DIGITAL	GYRO C	OMPASS	INTERFACED WI	TH DIFFEI	RENTIAL GPS, DIS	SPLAYED WITH HYPA	ск			
		VORK PERFO	RMED				DRAFT FOR LOA	D NO			AVG	
NO OF LOADS	DREDGING AND HAU TOT CU YDS	LING DISPOSAL	ADEA	ı	AGITATING TOT CU YDS		FORWARD		LIG 8			ADED 16
1	2,635	DISFOSAL	ANEA	Today:	0		AFT		1			16
Previous Total		Mobile 10	2-SW				DRAG DEPTH				l .	
406	1,069,810			Prev:	0		INDICATORS LAS				8/4/2017	
407	1,072,445			To Date:	DISTRIBUTION OF THE PROPERTY O	ON OF TIM	GAS INJECTORS	USED				
					GITATING	011 01 1111		GING AND HAULING			MILES RU	
EFFECTIVE WOR	ZINIO TIME				(Minutes)			(Minutes)			(Stat. Mile	es)
PUMPING	VING TIME							0:28	28			
TURNING								0:00	0			
TO DUMP DUMPING								4:33 0:04	273 4			
TO CUT								6:38	398			
TOTALS								11:43	703			
NON-EFFECTIVE V	WORKING TIME EL AND SUPPLIES	-						0:00	0			
TO AND FROM								0:00	0			
	ATURAL ELEMENTS							0:00	0			
MINOR OPERAT	RAFFIC AND BRIDGE	:8						0:00 0:00	737			
TRANSFERRING	BETWEEN WORKS							0:00	0			
LAY TIME								0:00 0:00	0			
MISCELLANEOU	JS							0:00	0			
TOTALS								12:17	737			
LOST TIME	S AND ALTERATIONS							0:00	0			
CESSATION	3 AND ALTERATIONS)						0:00	U			
COLLISIONS								0:00				
TOTAL LOST TII		440						0:00	0			
AVERAGE SPEED		440			MINUTES RADAF	R IN USE		0:00	1440			
LOADING		FEET / MI 220	NUTE					E: NOAA tide gauge a	t State D	ocks.		
AGITATING GALS OF FUEL OI	LCONSUMED	1149			WEATHER:	vvinas ii	ght and variable,	waves 1-2 π				
GALS OF WATER		935			FIELD							
	737 min @ 0% Pay N	Minor Repairs										
SUBMITTED BY:					(CEE DEVE							

				BREA	KDOW	N OF L	OADS	DREDG	ED AN	ID HAU	ILED					T	uesday,	May 01, 2018
		TIME	DIIMD			MINU	ITES				CUBIC	YARD	S RET	AINED)	MID-I	DEPTH	REPORT:
	Ω	TIIVIE	FUMF			IVIIIVC	7123			(1	In term	s of in p	olace n	naterial			PLES	251
LOAD No.	UNWATERED	STARTED	STOPPED	PUMPING	TURNING	TO DUMP	DUMPING	TO CUT	TOTAL	SETTLED SOLIDS ***	SUSPENDED SOLIDS ***	BIN WATER SOLIDS	TOTAL **	PER PUMPING MINUTE	PER ELAPSED MINUTE	DENSITY GMS/LITER ***	% SOLIDS (IN PLACE) ***	
407 408		240	308	28		273	4	160 238	465 238				2635					
		AV	ERAGE						5001			D.4.T.4						
PUMP	ING	TIME (MINUT	ES)	ECON(OMIC L	OAD (Cu . Y		IOMIC		DATA LOAD	No.		DATE	OF TEST	<u> </u>	
REMA		*	WHEN	0 0 0		6 Pay				VATER	ED, IN	DICAT	E BY L	ETTEF	R "U"			
				CUBIC Y	YARDS METER	RETAI	INED =	SETTL	ED SO	LIDS +	SUSP	ENDED				TER SOL	IDS OR DE	ETERMINED DIRECTLY

		ental of Hoppe W912		and Atte -0092	ER DREDGES ndant Plant			REPO ENGCW-0-13		NTROL S REF	YMBOL PORT:	252
DISTRICT					NOT.			DREDGE	MING	OL LIMBIA		
		U.S. ARMY C	JE, MOB	ILE DISTE	RICT				M/VC	OLUMBIA	.	
EXACT LOCATION	I OF WORK arbor Ship Channel, Mo	hile Al					MAINTENANCE	DATE	W	lodnoeda	y, May 02, 2	2018
Mobile Ha	Dredge Area U						MAINTENANCE	NUMBER OF PERSO			y, way uz,	2010
	Sta 29+00 to 7	72+09]	NEW WORK	42 C 2 Ob	1 00	. 0 D4	19	CCLIO
AV LENGTH OF C	JT 4300	FT		(L CHARACTER OF I	MATERIAL		13 Crew + 2 Observer HOPPER CAPACITY	s + TQC	+ 2 Boat	4387	CU YDS
AV WIDTH OF CUT AV DIST TO DUMP		FT Sta. MILE		Y OF MAT		1.045 1.006	gms/liter gms/liter	AV VOL OF BIN WAT AV UNFILLED CAPAC			0	CU YDS CU YDS
NAVIGATION AND	OTHER DREDGING A	IDS: (Describe	and inclu	ude statem	nent on adequacy a		mendations.)	AV UNFILLED CAFAC	1111		0	CO TD3
	RA	DAR, DIGITAL	GYRO C	OMPASS	INTERFACED WI	TH DIFFE	RENTIAL GPS, DIS	SPLAYED WITH HYPA	ск			
		VORK PERFO	RMED		ACITATINO		DRAFT FOR LOA	D NO	1.10	U.T	AVG	DED
NO OF LOADS	DREDGING AND HAU TOT CU YDS	DISPOSAL	AREA		AGITATING TOT CU YDS		FORWARD	•	LIG {	<u>ін і</u> З		DED 6
2	5,270			Today:	0		AFT			0		6
Previous Total 407	1,072,445	Mobile 102	2-SW	Prev:	0		DRAG DEPTH INDICATORS LAS	ST CHECKED ON			8/4/2017	
409	1,077,715			To Date:	0		GAS INJECTORS				0/-1/2011	
				Λ	DISTRIBUTION GITATING	ON OF TIM		SING AND HAULING			MILES RU	N
					(Minutes)		DREDG	(Minutes)			(Stat. Mile:	
EFFECTIVE WORK PUMPING	KING TIME							1:27	87			
TURNING								0:00	0			
TO DUMP DUMPING								12:51 0:08	771 8			
TO CUT								9:34	574			
TOTALS	MODIZING TIME							0:00	1440			
NON-EFFECTIVE \ TAKING ON FUE	EL AND SUPPLIES							0:00	0			
TO AND FROM	ANCHORAGE IATURAL ELEMENTS							0:00 0:00	0			
LOSS DUE TO T	RAFFIC AND BRIDGE	S						0:00	0			
MINOR OPERAT	FING REPAIRS BETWEEN WORKS							0:00 0:00	0			
LAY TIME	3 BETWEEN WORKS							0:00	0			
MISCELLANEOU	IS							0:00 0:00	0			
TOTALS	,							0:00	0			
LOST TIME	S AND ALTERATIONS							0:00	0			
CESSATION	3 AND ALTERATIONS	,						0:00	U			
COLLISIONS TOTAL LOST TII	МЕ							0:00	0			
TOTAL TIME IN F		440						0:00	0			
AVERAGE SPEED	OF DREDGE	FEET / MII	JUITE		MINUTES RADAR		D BY MEANS OF	0:00	1440			
LOADING		220			TIDE DATA WAS	OBTAINE		E: NOAA tide gauge a	t State D	ocks.		
AGITATING	LOONOUMED	0.570			WEATHER:	Winds I	ght and variable,	Waves 2-3 ft				
GALS OF FUEL OF GALS OF WATER		2572 1496			FIELD			I				
REMARKS:								'				
	100% Day											
SUBMITTED BY:												

TIME PLIMP MINUTES CUBIC YARDS RETAINED MID-DEPTH													y, May 02, 2018					
	П	TIME	PUMP			MINU	ITES		-							MID-I	DEPTH	REPORT:
			J						<u> </u>	(In term	s of in p	place n	T			IPLES	252
LOAD No	UNWATERED	STARTED	STOPPED	PUMPING	TURNING	TO DUMP	DUMPING	TO CUT	TOTAL	SETTLED SOLIDS ***	SUSPENDED SOLIDS ***	BIN WATER SOLIDS	TOTAL **	PER PUMPING MINUTE	PER ELAPSED MINUTE	DENSITY GMS/LITER ***	% SOLIDS (IN PLACE)	
408 409 410		23 952 1938	1023	31		264 270 237			575				2635 2635	1				
	_	AV	/ERAGE															
DI IMP	INC	TIME (Λ/ΙΝΙΙΙΤ	FS)	ECON	OMIC L	OAD /	(CII \			LOAD	LOAD			DATE	OF TEST	Γ	
			VIII VO 1.	_5,	LUCIN	JIVIIO L	UAD (<u> </u>	<u>us</u>								'	
REMA		3		100% [0 0	-													
NOTE	1		WHEN I TOTAL (BY YAR) NOT NE	CUBIC Y	YARDS METER	S RETAI R	INED =	SETTL	ED SO	LIDS +	SUSP	ENDE	D SOLI			FER SOL	IDS OR DE	ETERMINED DIRECTLY

		ental of Hoppe W91		and Atte -0092	ER DREDGES ndant Plant			REPO ENGCW-0-13		NTROL S REF	YMBOL PORT:	253
DISTRICT					NOT.			DREDGE	M / / / O/	OL LIMBIA		
		U.S. ARMY C	OE, MOB	ILE DISTE	RICT				M/VC	OLUMBIA	.	
EXACT LOCATION	OF WORK arbor Ship Channel, Mo	hile Al					MAINTENANCE	DATE		Thureday	, May 03, 2	n18
WODIIE FIA	Dredge Area U						MAINTENANCE	NUMBER OF PERSO			, Iviay 03, 2	010
	Sta 29+00 to 7	72+09					NEW WORK	42 C 1 2 Ob	1 00	. 0 D4	19	CCLIO
AV LENGTH OF CU		FT			L CHARACTER OF	MATERIAL		13 Crew + 2 Observer HOPPER CAPACITY		+ 2 Boat	4387	CU YDS
AV WIDTH OF CUT AV DIST TO DUMP		FT Sta. MILE		Y OF MAT		1.045 1.006	gms/liter gms/liter	AV VOL OF BIN WAT AV UNFILLED CAPAC			0	CU YDS CU YDS
NAVIGATION AND	OTHER DREDGING A	IDS: (Describe	and inclu	ide statem	nent on adequacy		mendations.)	AV UNFILLED CAFAC	1111		0	CO TD3
	RAI	DAR, DIGITAL	GYRO C	OMPASS	INTERFACED WI	ITH DIFFE	RENTIAL GPS, DIS	SPLAYED WITH HYPA	ск			
		VORK PERFO	RMED		AOITATINO		DRAFT FOR LOA	D NO	1.10	UT	AVG	DED
NO OF LOADS	DREDGING AND HAUI TOT CU YDS	DISPOSAL	AREA	I	AGITATING TOT CU YDS		FORWARD	-	LIG 8			DED 6
3	7,905			Today:	0		AFT		1			6
Previous Total 409	1,077,715	Mobile 10	2-SW	Prev:	0		DRAG DEPTH INDICATORS LAS	ST CHECKED ON			8/4/2017	
412	1,085,620			To Date:	0		GAS INJECTORS				0/1/2011	
				Λ	DISTRIBUTI GITATING	ON OF TIN		SING AND HAULING			MILES RU	N
					(Minutes)		DREDG	(Minutes)			(Stat. Mile.	
EFFECTIVE WORK PUMPING	KING TIME							1:23	83			
TURNING								0:00	0			
TO DUMP DUMPING								9:08 0:12	548 12			
TO CUT								13:17	797			
TOTALS	MODIZING TIME							0:00	1440			
NON-EFFECTIVE \ TAKING ON FUE	EL AND SUPPLIES							0:00	0			
TO AND FROM A								0:00	0			
	IATURAL ELEMENTS RAFFIC AND BRIDGE	S						0:00 0:00	0			
MINOR OPERAT	ING REPAIRS BETWEEN WORKS							0:00	0			
LAY TIME	BETWEEN WORKS							0:00 0:00	0			
MISCELLANEOL	IC							0:00	0			
MISCELLANEOU TOTALS	JS							0:00	0			
LOST TIME												
CESSATION	S AND ALTERATIONS	i						0:00 0:00	0			
COLLISIONS								0:00				
TOTAL LOST TIN		440						0:00	0			
AVERAGE SPEED					MINUTES RADA			0:00	1440			
LOADING		FEET / MII 220			TIDE DATA WAS	SOBIAINE	D BY MEANS OF GAG	E: NOAA tide gauge a	t State D	ocks.		
AGITATING					WEATHER:	Winds I	ght and variable,					
GALS OF FUEL OIL		1787 561			FIELD			1				
REMARKS:	CONSOMED	301			FIELD			<u> </u>				
	100% Day											
SUBMITTED BY:												

				BREA	KDOW	N OF L	OADS	DREDG	SED AN	ID HAU	ILED					Т	hursday	, May 03, 2018
		TIME	PUMP			MINU	JTES					YARD				MID-I	DEPTH	REPORT:
۔						I				(1	In term	s of in p	olace n		i d		IPLES	253
LOAD No.	UNWATERED	STARTED	STOPPED	PUMPING	TURNING	TO DUMP	DUMPING	TO CUT	TOTAL	SETTLED SOLIDS ***	SUSPENDED SOLIDS ***	BIN WATER SOLIDS	TOTAL **	PER PUMPING MINUTE	PER ELAPSED MINUTE	DENSITY GMS/LITER ***	% SOLIDS (IN PLACE) ***	
410						21	4		25				2635					
411 412 413		446 140 2327	510 1430 2359	27		269 257 1	4	261 260 276	558 548 309				2635 2635					
<u> </u>		AV	ERAGE						FCON	IOMIC	LOAD	ΠΔΤΔ						
PUMP	INC	G TIME (MINUT	ES)	ECON	OMIC L	OAD (Cu . Y				LOAD	No.		DATE	OF TEST	Γ	
REMA	RK	(S		40001	<u> </u>						<u> </u>							
				100% [Jay													
				0														
NOTE	:	**	WHEN TOTAL (BY YAR	LOAD I	YARDS	RETAI										ΓER SOL	IDS OR DI	ETERMINED DIRECTLY
			NOT NE				ASURI	NG LO	AD BY	YARD	AGE M	ETER						

		ental of Hoppe W912		e and Atte -0092	ER DREDGES ndant Plant			REPO ENGCW-0-13		NTROL S REF	YMBOL PORT:	254
DISTRICT					DICT			DREDGE	MING	OLUMBIA		
		U.S. ARMY C	JE, MOB	ILE DISTR	RICI				W / V C	JLUMBIA	•	
EXACT LOCATION Mobile Ha	l OF WORK arbor Ship Channel, Mol	bile Al					MAINTENANCE	DATE		Friday.	May 04, 201	18
	Dredge Area U	Ipriver				-		NUMBER OF PERSO	NS IN CF			
	Sta 29+00 to 7	72+09				_	NEW WORK	13 Crew + 2 Observer	s + 1 QC	+ 2 Boat	19 Captain+ 1	SSHO
AV LENGTH OF CU		FT	DEMOIT		CHARACTER OF			HOPPER CAPACITY			4387	CU YDS
AV WIDTH OF CUT AV DIST TO DUMP	43	Sta. MILE	DENSIT'	Y OF MAT Y OF WAT	ER	1.045 1.006	gms/liter gms/liter	AV VOL OF BIN WAT AV UNFILLED CAPAC			0	CU YDS CU YDS
NAVIGATION AND	OTHER DREDGING A	`			. ,		,	SPLAYED WITH HYPA	ск			
		VORK PERFO	RMED		4017471110		DRAFT FOR LOAI	D NO			AVG	555
NO OF LOADS	DREDGING AND HAUI TOT CU YDS	LING DISPOSAL	AREA		AGITATING TOT CU YDS		FORWARD	-	LIG 8			DED 6
3 Danieus Tatal	7,905	Mahila 40	2 CM	Today:	0		AFT DDAG DEDTU		1	0	1	6
Previous Total 412	1,085,620	Mobile 102	2-500	Prev:	0		DRAG DEPTH INDICATORS LAS	T CHECKED ON			8/4/2017	
415	1,093,525			To Date:	0	ON OF TH	GAS INJECTORS	USED				
				A	DISTRIBUTION GITATING	ON OF TIM		SING AND HAULING			MILES RU	N
EFFECTIVE WORK	(INC TIME				(Minutes)			(Minutes)			(Stat. Miles	s)
PUMPING	AING TIME							1:01	61			
TURNING TO DUMP								0:00 12:53	773			
DUMPING								1:16	76			
TO CUT TOTALS								8:50 0:00	530 1440			
NON-EFFECTIVE V								'				
TAKING ON FUE TO AND FROM A	EL AND SUPPLIES							0:00 0:00	0			
LOSS DUE TO N	IATURAL ELEMENTS							0:00	0			
MINOR OPERAT	RAFFIC AND BRIDGE ING REPAIRS	S						0:00 0:00	0			
TRANSFERRING	BETWEEN WORKS							0:00	0			
LAY TIME								0:00 0:00	0			
MISCELLANEOU	JS							0:00	0			
TOTALS LOST TIME								0:00	0			
MAJOR REPAIR CESSATION	S AND ALTERATIONS	;						0:00	0			
COLLISIONS								0:00 0:00				
TOTAL LOST TI		110						0:00	0			
TOTAL TIME IN F AVERAGE SPEED		440			MINUTES RADAR	R IN USE		0:00	1440			
LOADING		FEET / MII 220			TIDE DATA WAS	S OBTAINE	D BY MEANS OF	E: NOAA tide gauge a	t State D	ooko		
AGITATING		220			WEATHER:	Winds li	ght and variable,		ii State D	UCKS.		
GALS OF FUEL OIL		1660			EIEL D							
GALS OF WATER REMARKS:	CONSOMED	935			FIELD							
	100% Day											
SUBMITTED BY:												

				BREA	KDOW	N OF L	OADS	DREDG	SED AN	D HAU	ILED							May 04, 2018
	Ш	TIME	PUMP			MINU	ITES					YARD					DEPTH	REPORT:
	G									(1	n term	s of in p					IPLES	254
LOAD No.	UNWATERED	STARTED	STOPPED	PUMPING	TURNING	TO DUMP	DUMPING	TO CUT	TOTAL	SETTLED SOLIDS ***	SUSPENDED SOLIDS ***	BIN WATER SOLIDS	TOTAL **	PER PUMPING MINUTE	PER ELAPSED MINUTE	DENSITY GMS/LITER ***	% SOLIDS (IN PLACE)	
413 414 415	Ш	834 1849	906	32 29		255 270 248	4 38 34	255 275	259 595 586				2635 2635 2635					
	Ш	ΔV	'ERAGE															
									ECON	IOMIC	LOAD	DATA						
PUMP	ING	TIME (MINUT	ES)	ECON	OMIC L	OAD (Cu . Y	'ds)		TEST	LOAD I	No.		DATE	OF TEST	Γ	
REMA				100% [0 0 0														
NOTE	:	**	WHEN TOTAL (BY YAR NOT NE	CUBIC Y	YARDS METER	RETAI	NED =	SETTL	ED SO	LIDS +	SUSP	ENDED				ER SOL	IDS OR DE	ETERMINED DIRECTLY

		ental of Hoppe W912		and Atte -0092	ER DREDGES ndant Plant			REPO ENGCW-0-13		NTROL S REF	YMBOL PORT:	255
DISTRICT					NOT.			DREDGE	M / / / O/	OL LIMBIA		
		U.S. ARMY C	JE, MOB	ILE DISTE	RICT				M / V C	OLUMBIA		
EXACT LOCATION	I OF WORK arbor Ship Channel, Mo	hile Al					MAINTENANCE	DATE		Saturday	, May 05, 20	118
Mobile Ha	Dredge Area U						MAINTENANCE	NUMBER OF PERSO			, Iviay 05, 20	710
	Sta 29+00 to 7	72+09					NEW WORK	42 C 1 2 Ob	1 00	. 0 D4	19	CCLIO
AV LENGTH OF C		FT			L CHARACTER OF	MATERIAL		13 Crew + 2 Observer HOPPER CAPACITY	s + TQC	+ 2 Boat	4387	CU YDS
AV WIDTH OF CUT AV DIST TO DUMF		FT Sta. MILE		Y OF MAT		1.045 1.006	gms/liter gms/liter	AV VOL OF BIN WAT AV UNFILLED CAPAC			0	CU YDS
	OTHER DREDGING A							AV ON ILLED CALAC	7111		0	CO IDO
	RA	DAR, DIGITAL	GYRO C	OMPASS	INTERFACED W	ITH DIFFEI	RENTIAL GPS, DIS	SPLAYED WITH HYPA	СК			
		VORK PERFO	RMED		AGITATING		DRAFT FOR LOAI	D NO	110	UT	AVG	DED
NO OF LOADS	DREDGING AND HAU TOT CU YDS	DISPOSAL	AREA	1	TOT CU YDS		FORWARD	-	LIG 8			16
2	7,905	14.1.11.40	2 011/	Today:	0		AFT		1	0	1	6
Previous Total 415	1.093.525	Mobile 102	2-SW	Prev:	0		DRAG DEPTH INDICATORS LAS	ST CHECKED ON			8/4/2017	
417	1,101,430			To Date:	0		GAS INJECTORS				0, 1,2011	
				Δ	DISTRIBUTI GITATING	ON OF TIM		SING AND HAULING			MILES RU	N
					(Minutes)		BREBO	(Minutes)			(Stat. Miles	
EFFECTIVE WORK PUMPING	KING TIME							1:10	70			
TURNING								0:00	0			
TO DUMP DUMPING								8:54 0:47	534 47			
TO CUT								13:09	789			
TOTALS NON-EFFECTIVE \	WORKING TIME							0:00	1440			
TAKING ON FUE	L AND SUPPLIES	•						0:00	0			
TO AND FROM A	ANCHORAGE IATURAL ELEMENTS							0:00 0:00	0			
LOSS DUE TO T	RAFFIC AND BRIDGE	S						0:00	0			
MINOR OPERAT	BETWEEN WORKS							0:00 0:00	0			
LAY TIME								0:00	0			
MISCELLANEOU	JS							0:00 0:00	0			
TOTALS								0:00	0			
LOST TIME MAJOR REPAIR	S AND ALTERATIONS	;						0:00	0			
CESSATION								0:00				
COLLISIONS TOTAL LOST TII	MF							0:00	0			
TOTAL TIME IN F	PERIOD 1	440						•				
AVERAGE SPEED LOADING	OF DREDGE	FEET / MII 220			MINUTES RADAI TIDE DATA WAS		ED BY MEANS OF GAGI	0:00 E: NOAA tide gauge a	1440 t State D	ocks.		
AGITATING					WEATHER:	Winds li	ght and variable,					
GALS OF FUEL OF GALS OF WATER		2137 561			FIELD							
REMARKS:								Į.				
I	100% Day Load 415 recorded on	5/4 daily dum	ping at n	nidnight a	and continued 4 r	minutes int	to 5/5					
SUBMITTED BY:												

		BREAKDOWN OF LOADS DREDGED AND HAULED Saturday, May 05, 2018 CUBIC YARDS RETAINED MID-DEPTH REPORT:																
		TIME	PUMP			MINU	JTES											
·	П									(1	n term	s of in p					PLES	255
LOAD No.	UNWATERED	STARTED	STOPPED	PUMPING	TURNING	ТО DUMP	DUMPING	TO CUT	TOTAL	SOLIDS ***	SUSPENDED SOLIDS	BIN WATER SOLIDS	TOTAL **	PER PUMPING MINUTE	PER ELAPSED MINUTE	DENSITY GMS/LITER ***	% SOLIDS (IN PLACE)	
416		423	454	31		276	38	259	604				2635					
417		1422	1451	29		258	5	254	546 0				2635					
		AV	ERAGE															
PLIMP	ING	TIME (MINIT	FS)	FCON	OMICI	OAD (Cu V		IOMIC		DATA LOAD I	No.		DATE	OF TEST		
						J L	J. 10 (
REMA	RK	S		100% [Load 4 0 0	-	orded or	n 5/4 da	ily dum	ping at	midnig	ht and	continu	ed 4 m	inutes	into 5/5	5		
NOTE	!	**	WHEN TOTAL (BY YAR NOT NE	LOAD I CUBIC ' DAGE I	YARDS METER	RETA	INED =	SETTL	ED SO	LIDS +	SUSP	ENDED				TER SOL	IDS OR DE	ETERMINED DIRECTLY

		ental of Hoppe W912		and Atte -0092	ER DREDGES ndant Plant			REPO ENGCW-0-13		NTROL S REF	YMBOL PORT:	256
DISTRICT					NOT			DREDGE	M / / / O	01.114014		
		U.S. ARMY C	JE, MOB	ILE DISTE	RICI				M / V C	OLUMBIA	A	
EXACT LOCATION	OF WORK rbor Ship Channel, Mo	hile Al					MAINTENANCE	DATE		Sunday	May 06, 20	18
WODIIE I IA	Dredge Area U	Ipriver				_	MAINTENANCE	NUMBER OF PERSO	NS IN CF		Way 00, 20	10
	Sta 29+00 to 7	72+09]	NEW WORK	13 Crew + 2 Observer	s + 1 OC	+ 2 Roat	19 Cantain+ 1	SSHO
AV LENGTH OF CL	JT 4300	FT			CHARACTER OF I			HOPPER CAPACITY		· Z Doat	4387	CU YDS
AV WIDTH OF CUT AV DIST TO DUMP		FT Sta. MILE		Y OF MAT Y OF WAT		1.045	gms/liter gms/liter	AV VOL OF BIN WAT AV UNFILLED CAPAC			0	CU YDS
NAVIGATION AND	OTHER DREDGING A	IDS: (Describe	and inclu	ude statem	nent on adequacy a	and recomi	mendations.)					
	RAI	DAR, DIGITAL	GYRO C	OMPASS	INTERFACED WI	TH DIFFEI	RENTIAL GPS, DIS	SPLAYED WITH HYPA	СК			
		VORK PERFO	RMED		ACITATINO		DRAFT FOR LOAI	D NO	110	.	AVG	DED
NO OF LOADS	DREDGING AND HAUI TOT CU YDS	DISPOSAL	AREA		AGITATING TOT CU YDS		FORWARD	-	LIG {			DED 16
3	7,905	14.1.11.40	2 011/	Today:	0		AFT		1	0	1	16
Previous Total 417	1,101,430	Mobile 102	2-SW	Prev:	0		DRAG DEPTH INDICATORS LAS	ST CHECKED ON			8/4/2017	
420	1,109,335			To Date:	0		GAS INJECTORS					
				Δ	DISTRIBUTION GITATING	ON OF TIM		SING AND HAULING			MILES RU	IN
					(Minutes)		BILEDO	(Minutes)			(Stat. Mile	
EFFECTIVE WORK PUMPING	(ING TIME							1:28	88			
TURNING								0:00	0			
TO DUMP DUMPING								13:13 0:12	793 12			
TO CUT								9:07	547			
TOTALS NON-EFFECTIVE V	VORKING TIME							0:00	1440			
TAKING ON FUE	L AND SUPPLIES	•						0:00	0			
TO AND FROM A	ANCHORAGE IATURAL ELEMENTS							0:00 0:00	0			
LOSS DUE TO T	RAFFIC AND BRIDGE	S						0:00	0			
MINOR OPERAT TRANSFERRING	BETWEEN WORKS							0:00 0:00	0			
LAY TIME								0:00	0			
MISCELLANEOU	JS							0:00 0:00	0			
TOTALS								0:00	0			
LOST TIME MAJOR REPAIR:	S AND ALTERATIONS	;						0:00	0			
CESSATION								0:00				
COLLISIONS TOTAL LOST TIME	ИE							0:00	0			
TOTAL TIME IN F	PERIOD 14	440						•				
AVERAGE SPEED LOADING	OF DREDGE	FEET / MII 220			MINUTES RADAF TIDE DATA WAS		ED BY MEANS OF	0:00 E: NOAA tide gauge a	1440 t State D	ocks		
AGITATING					WEATHER:	Winds li	ght and variable,		i otato D			
GALS OF FUEL OIL GALS OF WATER (2170 561			FIELD			I				
REMARKS:	CONSONIED	301			FIELD			<u> </u>				
1	100% Day											
SUBMITTED BY:												

				BREA	KDOW	N OF L	OADS	DREDG	ED AN	D HAU	ILED					(Sunday,	May 06, 2018
		TIME	PLIMP			MINU	ITES				CUBIC	YARD	S RET	AINED		MID-I	DEPTH	REPORT:
	Ω	1111112	0.000			IVIII V				(1	In term	s of in p	olace n	naterial)		PLES	256
LOAD No.	UNWATERED	STARTED	STOPPED	PUMPING	TURNING	TO DUMP	DUMPING	TO CUT	TOTAL	SETTLED SOLIDS ***	SUSPENDED SOLIDS ***	BIN WATER SOLIDS	TOTAL **	PER PUMPING MINUTE	PER ELAPSED MINUTE	DENSITY GMS/LITER ***	% SOLIDS (IN PLACE)	
418 419 420		900	27 933 1912	27 33 28		258 277 258	4 4 4	251 270	289 565 560				2635 2635 2635					
		AV	'ERAGE						ECON	IOMIC	LOAD	DATA					<u> </u>	
PUMP	NG	TIME (/	MINUT	ES)	ECON	OMIC L	DAD (Cu . Y				LOAD	No.		DATE	OF TEST		
REMA	DKG	2																
KEWA	r.r.	•		100% [Day													
				0	3													
				0														
NOTE:		*	WHEN	0 LOAD I	S DRFI	OGED V	VITH H	OPPE	RS LINIV	VATER	ED IN	DICAT	FRYI	FTTE	2 "[]"			
				CUBIC T DAGE I	YARDS METER	RETAI	NED =	SETTL	ED SO	LIDS +	SUSP	ENDE				ER SOL	IDS OR DI	ETERMINED DIRECTLY

		ental of Hoppo W91		e and Atte -0092	ER DREDGES ndant Plant			REPO ENGCW-0-13		ITROL SY REP	/MBOL ORT:	257
DISTRICT								DREDGE				
		U.S. ARMY C	OE, MOB	ILE DISTF	RICT				M/VCC	DLUMBIA		
EXACT LOCATION	I OF WORK							DATE				
Mobile Ha	arbor Ship Channel, Mo						MAINTENANCE	AU MADED OF DEDOO			May 07, 20)18
	Dredge Area U Sta 29+00 to 7						NEW WORK	NUMBER OF PERSO	NS IN CF	KEVV	19	
								13 Crew + 2 Observer	s + 1 QC	+ 2 Boat	Captain+ 1	
AV LENGTH OF C AV WIDTH OF CU		FT FT	DENSIT	Y OF MAT	CHARACTER OF M.	ATERIAL 1.045	gms/liter	HOPPER CAPACITY AV VOL OF BIN WAT	FR		4387 0	CU YDS CU YDS
AV DIST TO DUMP		Sta. MILE				1.043	gms/liter	AV UNFILLED CAPAC			0	CU YDS
NAVIGATION AND		DAR, DIGITAL	GYRO C		, ,		RENTIAL GPS, DIS	SPLAYED WITH HYPA	ск			
		VORK PERFO	RMED		ACITATING		DRAFT FOR LOA	D NO	LIC	ит І	AVG	NDED
NO OF LOADS	TOT CU YDS	DISPOSAL	AREA		AGITATING TOT CU YDS		FORWARD	-	LIG 8			ADED 16
2	5,270			Today:	0		AFT		10			16
Previous Total	4 400 005	Mobile 10	2-SW	D			DRAG DEPTH	T OUEOVED ON			0/4/0047	
420 422	1,109,335 1,114,605			Prev: To Date:	0		INDICATORS LAS				8/4/2017	
	1,114,000			TO Bato.	DISTRIBUTION	N OF TIM		OGED				
					GITATING		DREDG	GING AND HAULING			MILES RU	
EFFECTIVE WOR	KING TIME				(Minutes)			(Minutes)			(Stat. Mile	S)
PUMPING								1:22	82			
TURNING TO DUMP								0:00 9:24	0 564			
DUMPING								0:37	37			
TO CUT								12:31	751			
TOTALS NON-EFFECTIVE	WORKING TIME							23:54	1434			
	EL AND SUPPLIES							0:00	0			
TO AND FROM								0:00	0			
	NATURAL ELEMENTS TRAFFIC AND BRIDGE	S						0:00 0:06	6			
MINOR OPERA	TING REPAIRS							0:00	0			
LAY TIME	G BETWEEN WORKS							0:00 0:00	0			
LATTINE								0:00	0			
MISCELLANEO	JS							0:00	0			
TOTALS LOST TIME								0:06	6			
MAJOR REPAIR	S AND ALTERATIONS	;						0:00	0			
CESSATION COLLISIONS								0:00 0:00				
TOTAL LOST TI	MF							0:00	0			
TOTAL TIME IN	PERIOD 1-	440						•				
AVERAGE SPEED	OF DREDGE	FEET / MI	MI ITE		MINUTES RADAR		D BY MEANS OF	0:00	1440			
LOADING		220	NUIE		TIDE DATA WAS (JOTAINE		E: NOAA tide gauge a	t State Do	ocks.		
AGITATING					WEATHER: \	Winds li	ght and variable,					
GALS OF FUEL OF		2518			EIELD.							
GALS OF WATER REMARKS:	CONSUMED	748			FIELD							
SUBMITTED BY:	6 min @ 70% Pay Tr	affic										

				BREA	KDOW	N OF L	OADS	DREDG	SED AN	ID HAU	ILED					ı	Monday,	May 07, 2018
		TIME	PUMP			MINU	JTES					YARD					DEPTH IPLES	REPORT:
LOAD No.		STARTED	STOPPED	PUMPING	TURNING	ТО DUMP	DUMPING	то спт	тотаг	SOLIDS ***	SUSPENDED 3	BIN WATER 99 SOLIDS 4 UI			PER ELAPSED MINUTE	DENSITY GMS/LITER ***	% SOLIDS (IN PLACE)	257
421 422 423		401 1354 2329	430 1420 2356	29		281 279 4	33 4	241 250 260	584 559 291)S)S NS	BI	2635 2635	PEF	PEF	GMS	S (I)	
AVERAGE ECONOMIC LOAD DATA PUMPING TIME (MINUTES) ECONOMIC LOAD (Cu. Yds) TEST LOAD No. DATE OF TEST REMARKS 6 min @ 70% Pay Traffic 0																		
NOTE:		**	WHEN TOTAL (BY YAR NOT NE	CUBIC Y	YARDS METER	RETAI	INED =	SETTL	ED SO	LIDS +	SUSP	ENDED				ER SOL	IDS OR DI	ETERMINED DIRECTLY

		ental of Hoppo W91		e and Atte -0092	ER DREDGES ndant Plant			REPOI ENGCW-0-13	RTS CON	NTROL S	YMBOL PORT:	258
DISTRICT								DREDGE				
		U.S. ARMY C	OE, MOB	ILE DISTE	RICT				M/VCC	OLUMBIA	1	
EXACT LOCATION	I OF WORK							DATE				
Mobile Ha	arbor Ship Channel, Mo						MAINTENANCE				May 08, 20	018
	Dredge Area U Sta 29+00 to 7					1	NEW WORK	NUMBER OF PERSOI	NS IN CF	REW	19	
		2.00				•		13 Crew + 2 Observers	s + 1 QC	+ 2 Boat		
AV LENGTH OF C AV WIDTH OF CU		FT FT	DENIGIT	Y OF MAT	CHARACTER OF N	MATERIAL 1.045	gms/liter	HOPPER CAPACITY AV VOL OF BIN WATI	ED.		4387 0	CU YDS CU YDS
AV DIST TO DUM		Sta. MILE				1.045	gms/liter	AV UNFILLED CAPAC			0	CU YDS
NAVIGATION AND		DAR, DIGITAL	GYRO C			TH DIFFE	RENTIAL GPS, DIS	SPLAYED WITH HYPA	СК			
		VORK PERFO	RMED		ACITATING		DRAFT FOR LOA	D NO	LIC	·UT	AVG	NDED
NO OF LOADS	DREDGING AND HAU TOT CU YDS	DISPOSAL	AREA		AGITATING TOT CU YDS		FORWARD	-	LIG 8			ADED 16
3	7,905			Today:	0		AFT		10	0		16
Previous Total 422	1,114,605	Mobile 10	2-SW	Prev:	0		DRAG DEPTH INDICATORS LAS	ST CHECKED ON			8/4/2017	
422	1,112,510			To Date:	0		GAS INJECTORS				0/4/2017	
	<i>'</i>	l.			DISTRIBUTIO	N OF TIM						
					GITATING (Minutes)		DREDG	GING AND HAULING (Minutes)			MILES RU (Stat. Mile	
EFFECTIVE WOR	KING TIME				(mmaco)						(Otali iiiio	0)
PUMPING TURNING								1:00 0:00	60 0			
TO DUMP								13:00	780			
DUMPING								0:12	12			
TO CUT TOTALS								9:27 23:39	567 1419			
NON-EFFECTIVE	WORKING TIME							20.09	1413			
	EL AND SUPPLIES	-						0:00	0			
TO AND FROM	NATURAL ELEMENTS							0:00	0			
LOSS DUE TO	TRAFFIC AND BRIDGE	S						0:12	12			
MINOR OPERA	TING REPAIRS G BETWEEN WORKS							0:00	0			
LAY TIME	O DETWEEN WORKS							0:00	0			
MISCELLANICO	16							0:00	0			
MISCELLANEO TOTALS	J8							0:09 0:21	9 21			
LOST TIME												
MAJOR REPAIR CESSATION	S AND ALTERATIONS	3						0:00	0			
COLLISIONS								0:00				
TOTAL LOST TI								0:00	0			
TOTAL TIME IN AVERAGE SPEED		440			MINUTES RADAR	INTISE		0:00	1440			
AVEIVAGE OF LED	OI BILEBOL	FEET / MI	NUTE		TIDE DATA WAS		D BY MEANS OF	0.00	1440			
LOADING		220			WEATHER.			E: NOAA tide gauge a	t State Do	ocks.		
AGITATING GALS OF FUEL O	I CONSUMED	2131			WEATHER:	Winds II	ght and variable,	waves 1 ft				
GALS OF WATER		748			FIELD							
	12 min @ 70% Pay 1 9 min @ 0% Pay Loa											
SUBMITTED BY:												

	BREAKDOWN OF LOADS DREDGED AND HAULED CUBIC YARDS RETAINED														1	Tuesday, May 08, 2018		
	TIME PUMP MINUTES															MID-I	DEPTH	REPORT:
ó	ŒD									(s of in _l	olace n				IPLES	258
LOAD No.	UNWATERED	ED	ED	9 Q	Ş	MΡ	9 Z	<u> </u>	_	#*	SUSPENDED SOLIDS ***	PER S	*	PER PUMPING MINUTE	PER ELAPSED MINUTE	DENSITY GMS/LITER ***	% SOLIDS (IN PLACE)	
l o	WN	STARTED	STOPPED	PUMPING	TURNING	ТО DUMP	DUMPING	TO CUT	TOTAL	SETTLED SOLIDS **	PEN IDS	BIN WATER SOLIDS	TOTAL **	R PUMPIN	ELAF	:NSI	SOL PLA	
		ST	ST	PU	2	01	na	\succeq	_	SOL	SUS	BIN	1	PER	PER I	DE 3MS/	% () () ()	
423						256	4		260				2635		ш.	0		
424		836	905			265	4	250	548				2635					
425 426		1755	1826	31		259	4	246 71	540 71				2635					
420								, ,	7 1									
			'ERAGE															<u> </u>
		AV	LNAGE						ECON	IOMIC	LOAD	DATA		<u> </u>			<u> </u>	<u> </u>
PUMP	INC	STIME (MINUT	ES)	ECON	OMIC L	OAD (Cu . Y	'ds)		TEST	LOAD	No.		DATE	OF TEST	Γ	
REMA	RK	S													<u> </u>			
						6 Рау												
				9 min (@ 0% F	Pay Lo	pading S	Stores										
	_			0														
NOTE	:	*	WHEN													EB SOI	IDS OD D	ETERMINED DIRECTLY
			BY VAR				INED =	SEIIL	LD 90	rin9 +	SUSP	CINDEL	JOULI	no - p	IIN VVA I	ER SUL	וחט טע ח	ETERIVIINED DIRECTLY

BY YARDAGE METER

*** NOT NECESSARY WHEN MEASURING LOAD BY YARDAGE METER

				REPORTS CONTROL SYMBOL ENGCW-0-13 REPORT: 2										
DISTRICT					2107									
		U.S. ARMY C	OE, MOB	ILE DISTR	RICI		M / V COLUMBIA							
XACT LOCATION							DATE							
Mobile Ha	arbor Ship Channel, Mo						MAINTENANCE	NUMBER OF PERSON		ednesday	, May 09,	2018		
	Dredge Area U Sta 29+00 to						NEW WORK	NUMBER OF PERSON	IS IN CR	K⊏VV	19			
								13 Crew + 2 Observers	+ 1 QC	+ 2 Boat C		SSHO CU YDS		
V LENGTH OF C		FT FT	DENSIT	Y OF MAT	CHARACTER OF MAT	<u>TERIAL</u> 1.045	gms/liter	HOPPER CAPACITY AV VOL OF BIN WATE						
V DIST TO DUMP	43	Sta. MILE	DENSIT'	Y OF WAT	ER 1	1.006	gms/liter	AV UNFILLED CAPAC			0	CU YDS CU YDS		
IAVIGATION AND	OTHER DREDGING A	,					•	SPLAYED WITH HYPAG	к					
		WORK PERFO	RMED				DRAFT FOR LOA	D NO		AVG				
NO OF LOADS	DREDGING AND HAU TOT CU YDS	LING DISPOSAL	ARFA	1	AGITATING TOT CU YDS		FORWARD	-	LIG 8			ADED 16		
1	2,635	DIOFOSAL	AINEM	Today:	0		AFT		10			16		
revious Total	•	Mobile 10	2-SW		-		DRAG DEPTH							
425 426	1,122,510	ļ		Prev:	0		INDICATORS LAS				8/4/2017			
426	1,125,145			To Date:	DISTRIBUTION			USED						
					GITATING			SING AND HAULING		MILES RUN				
FFECTIVE WOR	ZING TIME				(Minutes)			(Minutes)			(Stat. Miles)			
PUMPING	KING HIVIE							0:56	56					
TURNING								0:00	0					
TO DUMP DUMPING								4:56 0:04	296 4					
TO CUT								7:05	425					
TOTALS	WORKING TIME							13:01	781					
ION-EFFECTIVE Y	EL AND SUPPLIES	-						3:49	229					
TO AND FROM	ANCHORAGE							2:43	163					
	NATURAL ELEMENTS TRAFFIC AND BRIDGE	· ·						0:00 0:30						
MINOR OPERA	TING REPAIRS	.0						0:00						
	G BETWEEN WORKS							0:00	0					
LAY TIME								0:00 0:00	0					
MISCELLANEOU	JS							0:09	9					
TOTALS OST TIME								11:08	668					
	S AND ALTERATIONS	3						0:00	0					
CESSATION								0:00						
TOTAL LOST TI	ME							0:00	0					
TOTAL TIME IN I	PERIOD 1	449						0.00	U					
VERAGE SPEED			NII ITT		MINUTES RADAR IN		0:00 1440							
OADING		FEET / MI 220			TIDE DATA WAS OF	BIAINE		E: NOAA tide gauge at	State Do	ncks				
GITATING					WEATHER: Wi	inds li	ght and variable,							
SALS OF FUEL OI		1861												
SALS OF WATER REMARKS:	CONSUMED	822			FIELD									
	30 min @ 70% Pay ' 629 min @ 0% Pay I													
SUBMITTED BY:														

	BREAKDOWN OF LOADS DREDGED AND HAULED CUBIC YARDS RETAINED														Wednesday, May 09, 2018			
TIME PUMP MINUTES												S YARD				MID-I	DEPTH PLES	REPORT: 259
LOAD No.	UNWALERED	STARTED	STOPPED	PUMPING	TURNING	TO DUMP	DUMPING	TO CUT	TOTAL	SETTLED SOLIDS ***	SUSPENDED SOLIDS ***	BIN WATER SOLIDS			PER ELAPSED MINUTE		% SOLIDS (IN PLACE)	200
426 427		304 2308	332 2336	28 28		272 24	4	184 241	488 293				2635					
		AV	ERAGE															
PUMPIN	IG	TIME (MINUT	ES)	ECON	OMIC L	OAD (Cu . Y		IOMIC		DATA LOAD	No.		DATE	OF TEST	-	
REMAR		*	WHEN	30 min 629 min 0 0 LOAD I	@ 70% n @ 0% S DREI	6 Pay 6 Pay DGED V	Traffic Fuel D	ay OPPER	RS UNV							ER SOL	DS OR DI	ETERMINED DIRECTL

*** NOT NECESSARY WHEN MEASURING LOAD BY YARDAGE METER

				REPORTS CONTROL SYMBOL ENGCW-0-13 REPORT: 260									
DISTRICT		U.S. ARMY C			RICT		DREDGE M / V COLUMBIA						
EXACT LOCATION	I OE WORK							DATE					
	arbor Ship Channel, Mo						MAINTENANCE	Thursday, May 10, 2018					
	Dredge Area U Sta 29+00 to 7					_	NEW WORK	NUMBER OF PERSO	NS IN CF	REW	19		
								13 Crew + 2 Observers + 1 QC + 2 Boat Captain+ 1 SSHC					
AV LENGTH OF C AV WIDTH OF CU	UT 4300 T 400	FT FT	DENSIT	Y OF MAT	CHARACTER OF ERIAL	MATERIAL 1.045	gms/liter	HOPPER CAPACITY AV VOL OF BIN WAT	4387 CU YDS ER 0 CU YDS				
AV DIST TO DUMF		Sta. MILE	DENSIT'	Y OF WAT	ER	1.006	gms/liter	AV UNFILLED CAPAC	CITY		0	CU YDS	
NAVIGATION AND		`			. ,		,	SPLAYED WITH HYPA	СК				
		VORK PERFO	RMED		ACITATING		DRAFT FOR LOA	D NO	AVG LIGHT LOADED				
NO OF LOADS	TOT CU YDS	DISPOSAL	AREA		AGITATING TOT CU YDS		FORWARD	-	LIGHT 8			6 6	
1	2,635	Mobile 102	2 CM/	Today:	0		AFT DEAC DEPTH		1	0	16		
Previous Total 426	1,125,145	Mobile 102	2-5VV	Prev:	0		DRAG DEPTH INDICATORS LAS	ST CHECKED ON			8/4/2017		
427	1,127,780			To Date:	0	ON OF TH	GAS INJECTORS	USED					
				Α	DISTRIBUTI GITATING	ON OF TIN		SING AND HAULING	MILES RUN				
EFFECTIVE WOR	KING TIME				(Minutes)			(Minutes)	(Stat. Miles)			s)	
PUMPING	KING HIVIL							0:00	0				
TURNING TO DUMP								0:00 3:57	0 237				
DUMPING							0:30	30					
TO CUT TOTALS							0:00 4:27	0 267					
NON-EFFECTIVE								'					
TO AND FROM	EL AND SUPPLIES ANCHORAGE							0:00	0				
LOSS DUE TO N	NATURAL ELEMENTS	0						0:00	0				
MINOR OPERA	FRAFFIC AND BRIDGE TING REPAIRS	5						0:00 0:00	0				
TRANSFERRING LAY TIME	G BETWEEN WORKS							0:00 0:00	0				
								0:00	0	0			
MISCELLANEOI TOTALS	JS							0:09	9				
LOST TIME									9				
MAJOR REPAIR CESSATION	S AND ALTERATIONS	1						0:00	0				
COLLISIONS								0:00					
TOTAL LOST TI		276						0:00	0				
AVERAGE SPEED					MINUTES RADA			0:00	1440				
LOADING		FEET / MII 220			TIDE DATA WAS	SOBIAINE	D BY MEANS OF GAG	E: NOAA tide gauge a	t State D	ocks.			
AGITATING					WEATHER:	Winds li	ght and variable,						
GALS OF FUEL OI GALS OF WATER		1861 822			FIELD			T					
REMARKS:	OONOOMED	- 022			I IEED								
SUBMITTED BY:													

CURIC VAPOS PETAINED MID.DEPTH												May 10, 2018						
		TIME	PUMP			MINU	JTES					S YARD S of in p				MID-DEPTH SAMPLES		REPORT: 260
LOAD No.	RED												olace II		_	*	I	200
AD !	/ATE	TED	PED	.ING	ING	ЛМР	NING	TU	AL	LED S **;	NDEI	ATER DS	*	MPIN ITE	NPSE ITE	F. H.	LIDS 4CE	
2	NNO	STARTED	STOPPED	PUMPING	TURNING	ТО DUMP	DUMPING	то сит	TOTAL	SETTLED SOLIDS ***	SUSPENDED SOLIDS ***	BIN WATER SOLIDS	TOTAL **	PER PUMPING MINUTE	PER ELAPSED MINUTE	DENSITY GMS/LITER *	% SOLIDS (IN PLACE)	
		S	S	Ь	L	Ь		-)S S)S NS	ΙΒ	L	PEF	PEF	W9	° E	
427						237	30		267				2635					
		AV	/ERAGE															
							<u>'</u>			ЮМІС								
PUMP	ING	TIME (MINUT	ES)	ECON	OMIC L	OAD (Cu . \	′ds)		IEST	LOAD	No.		DATE	OF TEST	l 	
REMA	RKS	3																
				0														
				0														
NOTE:		*	WHEN	0 LOAD I	S DREI	DGED V	VITH H	OPPER	RS UNV	VATER	ED, IN	DICAT	E BY L	ETTER	R "U"			
		**		CUBIC	YARDS	RETAI										TER SOL	IDS OR DI	ETERMINED DIRECTLY
		***	NOT NE				ASURI	NG LO	AD BY	YARD	AGE M	ETER						