APPENDIX B FIELD DATA RECORDS

APPENDIX B-1 SEDIMENT SAMPLE FDRS

wood.	enobscot l	River Mercu	ry Study - I	Phase III E	ngineeri	ng Evaluation
			EDIMENT C			
Owner: USC			:3617207			H. PLANTE
Sub: WOOD ETIS N		WO:				IP, MB, BW
BW 9/22/20	Date: 9	115/20	Tim	e: 1515		WHALER
Coordinates: Lat 44.462	_	Long -(0		Wall of the second		ume: 0,140gal
Sampling Station: FRENCE						-tidal Location? IVO
Veather: (5' (LOVDY Winds:	CALM A.		ALM+ CLE	PE Traffic: 1		Water Temp:
Measured Water Depth [NAVD	0881:				and the same of the same of	
Correction to NAVD88 (+/- ft. f			Core	Penetration	Length (ft.	1: 0.8'
NAVD			Reco	overed Core	Length (ft.): LATHE 0.75'0.8
Mudline (Corrected Depth) @ NAVE			Sam	ple Length Re	etained (ft.): 0,5'
Study Depth (-NAVD		. 51		ole Core (80%		100
Required Penetration Len				Volume Reta		1.40 0.140
	All Length N	/leasuremer		ecimal Fe	et	H 9/19
Sample Interval (ft.) Top	Sar	mple ld #	ne 9115	D	escription	
	SED-00	-01	101 Dark	gray bro	own fo	a cupy +silt
0-0.1	C20 (2		wet, u	igh pla	ne sai	of cury +silt
	16005	915700				
	FRB-02.	09152020_	Park g	ray pro	un ja	+ CLAYISH
0.1-0.3'SE	0-01-03		plasti	city	ula, u	vet, high
0.3-0.5' 5	FRB-02-1	09152020_	silt, h	ighpla	stict	-LM9, Some
0.3-0.5'5	ED_03-05			· ·		\mathcal{I}
				-		

		65 0	15-20			
+		(59)				
•				X)		
Bottom						
umber of containers:	/	6774	A,		Core Vo	olumes
pe of container: bucket	liner bag	iar jar	other	Nominal cor		
er Type: Acetate	Vibracorer:		outer	diameter 4.0"		EST. Volume .50gal/ft
	Push Corer	>	Slambar	3.5"		.33gal/ft
ive Organisms present			Con	nments 🙊		O Walley
Oil-Like Present NO	Push	lextrode	0	2		91,0
Debris Present 00	ganic				X-8-(9/17
oto Numbers	-					l
B. WEYER 9/22/2020						
B. 122/202						
910						

wood.	nobscot R	iver Mercui	y Study - P	hase III Er	ngineeri	ng Evaluation
*******			DIMENT C		(-)	
Owner: USDC		Project No.:	3617207	486	Logger:	C.LAUBACK
Sub: ASI	- 1	WO: -	-		1000	.WEYER
	Date: 9/10	6/20	Time	:0940		2/V TESLA
Coordinates: Lat 44.5598		Long -	8.77438	3		ume: 0.140gal
Sampling Station: VN-02-0			Deploy N	o. <u>1</u>	Sub	-tidal Location? No
Weather: SUN NY, 505 Winds: 10	5-15	Waters:]-2		Traffic: No	ONE	Water Temp:
Measured Water Depth [NAVD88			Core	Penetration	Lenath (ft.): (), (o'
Correction to NAVD88 (+/- ft. fro NAVD88				vered Core		C1 9/1-1- 3
Mudline (Corrected Depth) @ NAVD8				le Length Re). O 21
Study Depth (-NAVD88				le Core (80%		
Required Penetration Length	th: 6 "			Volume Reta		
	II Length M	easuremen	ts are in Do	ecimal Fee	et	j
Sample Interval (ft.)		ple ld#			The second second	and the state of the state of the
Top 0.0' - 0.1'	00-	(5)	CLAYE	Y SILT; VE	BOHEK	OLIVE GRAY
		01			(.5	5 Y 3 Z
			CLAVEY	SUT UPOV	10474	0.24
0.1-0.3	01-0	03	C L 14 (C (SILT, VERY	DAKK	2 KAY
0.3'-0.5'	0.7	55	CLAYEY	SILT, VER	YDARK	LGRAY
0,00,0	03-	-02				
	-					
0.5'-0.57'	-	-	NOSI	AMPLE R	E(OVE)	RED FOR
			DESCR	MOULIZ	- (0 ()	200 , 01
Was .		0.1		0 .		
Ca		- Chil	100	- CA		
Pottom		/ Alla	10			_
Bottom					news	
Number of containers:		6	-	Name	Core V	olumes
ype of container: bucket	liner bag	jar	other	Nominal cor diameter	re-barrel	EST. Volume
iner Type: ALETATE ACETATE	Vibracorer: Push Corer	BOX		4.0"		.50gal/ft
	r usir corei		Slambar	3.5"		.33gal/ft
Oil-Like Present NO			Com	ments		
Odor Present No						
Debris Present No						
noto Numbers						
B. WEYER 2010						l
9/201	CEC00 5.	NINTEC -	Errar	. n . l		20/
	COLDI	MKIC2 K	-cco120t	WIA	515 G	PS (ON VESSEZ)

QC CHECK BY B. WEYER 9/22/2020

wood.	enobscot River Merc	cury Study - Phase III	Engineering Evaluation				
	SEDIMENT CORE LOG						
Owner: USDC		10:3617207486	Logger: C. LAUBACK				
Sub: A51	WO: -		Crew: B. WEYER				
	Date: 9/16/20	Time : 0940					
Coordinates: Lat 44.5598	35 Long -/	68774383	e a calificação do partido de la composição de sobre de la composição de la composição de la composição de la c				
Sampling Station: VN-02 -		Deploy No. \	Plan Volume: 0.140gal				
Veather: SUNNY, 50s Winds:		The state of the second	Sub-tidal Location? NO				
Measured Water Depth [NAVD	en mentionet en en mangelier et de mande de che internet	- Marie and the State of the St	and the control of th				
Correction to NAVD88 (+/- ft. fr		Core Penetrati	on Length (ft.): 🔘 6				
NAVD		Recovered Co	ore Length (ft.): 0.5				
Mudline (Corrected Depth) @ NAVD	88:		Retained (ft.): ()_5				
Study Depth (-NAVD8		Acceptable Core (*					
Required Penetration Leng	th: 0.5 '		Retained (gal.): 0.140aa				
Δ	II Length Measureme						
Sample Interval (ft.)	Sample Id #	The parties of the same of the					
Top 0.0-0.1	00-01_007	CLAYEY SILT	Description; VERY DARK GRAY, SLIGI				
0.1-0.3	01-03_007	GLAYEYSILT; SAND, VERY O	MINIMA: VERY FINE				
0.3-0.5	05-0°29/16/2	CLAYEY SILT	, VERY DARK GRAY				
,	03-05_DUP						
		9/16/20					
ottom							
mber of containers:			Core Volumes				
	<u> </u>	Nominal	core-barrel				
er Type: bucket	liner bag jar Vibracorer: (15)	other diameter	EST. Volume				
ALETATE	Push Corer	4.0 Slambar 3.5	1.0094111				
re Organisms present NO	The registration of the second	Comments	Joogal/II				
Oil-Like Present NO			57				
Odor Present No	YES@ 0.3-0.5	(HAD A SUPUR	· LIKE SMELL)				
			2 3 3 3 7				
B. WEVER							
19/001	COORDINATES T	RECORDED WA	SIS GPS (ONLESSED)				

Penobscot River Mercury Study - Phase III Engineering Evaluation SEDIMENT CORE LOG							
Owner: USDC			361720748	The state of the s	LAURACK		
Sub: AS I		WO:	-		WEYER		
045. 1(3)	Date: 9 16		Time ;		V TESLA		
Coordinates: Lat 44.54855	CONTRACTOR OF THE PARTY OF THE		768846	militaria de la como dela como de la como de	me: 0.140gal		
Sampling Station: VN - MU3 -	CHARLEST CONTRACTOR SECTION STREET		Deploy No.	Olivin, Stratillo Little	tidal Location? NO		
Weather SUNNY, SOS Winds: 10		Waters: 3,4	CONTRACTOR CONTRACTOR	Traffic: NONE	Water Temp: —		
Measured Water Depth [NAVD88]	enders av Somenie von	ski praetiči v Metraturi i stativi č	William Strawage and Strawage	enetration Length (ft.)	Fernal più Production que School e de Série o l		
Correction to NAVD88 (+/- ft. from NAVD88)	ĭ			ered Core Length (ft.)			
Mudline (Corrected Depth) @ NAVD88				Length Retained (ft.)			
Study Depth (-NAVD88):				Core (80% recovery)			
Required Penetration Length:	40 000	8		olume Retained (gal.)			
All	Length Me	asurement	s are in De				
Sample Interval (ft.)	refield following Templifie	le ld#		Description			
Top 0.0'-0.1'	00-0	01	CLAY! FINE	EY SILT, VERY I	dark Gray,		
0.1-0.3	01-0	OI-03 CLAYEYS SANDS: A VERY DAR			SILT WI SOME VERY FINE PARTICULATED BIVALVE PRK GRAY		
0.3'-0.5'	03-6	5	CLAYEY SILT WI SOME VERY FINE SANDS (MINIMAL) & WOOD CHIPS PRESENT IN SAMPLE; VERY DARK GRAY SED.				
0.5'-0.65'		Lietso	CLAYEY SILT WI BROWN MED. SAN WOOD CHIPS; VERY DARK GRAY SEDIMENT MATRIX" SOME VEGETAT PROT-MASS-LIKE FIBERS PRESEN				
Bottom CL alliage	0	4/16/20	_	<i>त्रीवीस्त्री</i>	TO		
Number of containers:	The second second	/		Core \	/olumes		
	7-7	- (φ		Nominal core-barrel	FOT Well-		
Type of container: bucket Liner Type: 9/16/20	liner bag Vibracorer:	jar Rox	other	diameter 4.0"	EST. Volume .50gal/ft		
ACETATE	Push Corer	000	Slambar	3.5"	.33gal/ft		
Live Organisms present YES.			Com	ıments			
Oil-Like Present No]						
Odor Present NO Debris Present NO	1						
Photo Numbers		2					
9/2	CONTRA	NATES D	FLORDED	WI Asia Ban	T(25		

Penobscot River Mercury Study - Phase III Engineering Evaluation SEDIMENT CORE LOG						
Owner LISTO				MINACK		
Owner: USDC	25	3617207486		LAUBACK		
Sub: ASI	wo: ————————————————————————————————————	Time : \018	Crew: B.			
III Eller		Section of the sectio	Vessel: R	WING AND ATTOCKNING THE PROPERTY WITH TAXABLE		
Coordinates: Lat 44.541013	S Long - 68.	764729	Plan Volun	ne: 0.140gal		
Sampling Station: E5-02		Deploy No.	Sub-tio	dal Location?		
Weather: SUNNY 505. Winds: 10	-15 Waters: 36) \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	ONE	Water Temp:		
Measured Water Depth [NAVD88]	: 30.01	Core Penetration	Length (ft.):	0.75		
Correction to NAVD88 (+/- ft. from NAVD88)		Recovered Core	e Lenath (ft.):	06		
Mudline (Corrected Depth) @ NAVD88		Sample Length F				
Study Depth (-NAVD88)		Acceptable Core (86		11		
Required Penetration Length	/m == /	Core Volume Re				
All	Length Measuremen	ts are in Decimal Fe	et			
Sample Interval (ft.)	Sample Id#	List Revision of the service List.	- West March 1935	北外设施工作的 是		
Top 00-0.1	00-01	VERY FINESAN OLIVEGRAY	DY SILT;	DARK		
0.1-0.8	01-03	VERY FINE SA OLIVE GRAY	NOYSILT	; DARK		
0.3`-0.5`	03-05	FINE SANDYSI SAND-SIZED WE VERY DARK OLI	OD CHIPA	ROMI		
0.5 -0.6		SILTY VERYPINE SIZED WOOD CHI OLIVE GRAYSE	SAND W PEROWN DIMENT	COARSE-SMO-); DARK MATRIX		
Bottom	07/0/11/50		Cr of	idro		
Number of containers:	1 6		Core Vo	olumes		
Type of container: bucket	liner bag jar	Nominal other diameter	core-barrel	EST. Volume		
Liner Type: 1 CL9/16/20	Vibracorer: (3)	OX) 4.0		.50gal/ft		
ALETATE 11-1	Push Corer	Slambar 3.5)" 	.33gal/ft		
Oil-Like Present NO Odor Present NO Debris Present NO Photo Numbers	SET; CON F	Comments TICEN WHERE LOBSTERPOT WAS FIRMED CATCH W/ SHAWNA (WOOD)				
B. Selet	-IS A BIOT	A CO-LOCATES	AMPLE	JO.M		

QC CHECK BY B. WEYER 9/22/2020

wood.	obscot River Mercury	/ Study - Pha		gineerin	g Evaluation
Owner: USDC		36172074		Logger (-LAUBACK
Sub: 151	wo:	301.207		Crew: B.	A 185 &
1/2,	Date: 9/16/20	Time :			V TESLA
Coordinates: Lat 44.541135		.748969	and a contract of the contract	INCOME.	me: 0.140gal
Sampling Station: 02-T1-		, Deploy No.	1	Sub-t	idal Location? NO
Weather: 304 NY, 505 Winds: 10-		5 2-4	Traffic: NO	NĘ	Water Temp:
Measured Water Depth [NAVD88]:		Core P	enetration L	_enath (ft.)	
Correction to NAVD88 (+/- ft. from NAVD88):			ered Core L		C1/16 5"
Mudline (Corrected Depth) @ NAVD88:			Length Re		
Study Depth (-NAVD88):			Core (80%		
Required Penetration Length:	0.5'	1	olume Reta		
All	Length Measuremen	ts are in Dec	cimal Fee	t	10 10 10 10 10 10 10 10 10 10 10 10 10 1
Sample Interval (ft.)	Sample Id #		STATE OF THE PARTY	escription	
Top				oon paon	
1					
					-==-===================================
			1 100		
		0 10	11/01/5)	
		41	1		
		-			
	2	_			
					<u></u>
↓ ↓					
Bottom					
Number of containers:	Ø Ø	ch			olumes
Type of container: bucket	liner bag jar	other	Nominal co	re-barrel	EST. Volume
Liner Type:	Vibracorer: (BC	Married Co.	diameter 4.0"		.50gal/ft
ACETATE	Push Corer	Slambar	3.5"		.33gal/ft
Live Organisms present NO		Com	ments		
Oil-Like Present NO					
Odor Present NO Debris Present NO	INSUFF	CLENTR	ECOVE	RY 10.	5")
	ජනය ජා ජ				250
EVEL			*		
B.W 12020					
B. WEYER 2020	COORDINATES	RECORD	ED W A	451'5 (SPS (AROARD VESSEL)

Wood. Penobscot River Mercury Study - Phase III Engineering Evaluation						
			DIMENT CO			
Owner: USDC			36172074	80		2 LAUBACK
Sub: AS1	Date: 916	WO:	Time	into		WEYER V TESLA
WI CIU			Time			
Coordinates: Lat 44.54114	THAT IN THE PROPERTY OF THE PERSON	Long -68	SHESSIAL THE THE SHES	movement supposed that	ADDRESS OF THE PARTY OF THE PAR	me: 0.140gal
Sampling Station: OR-TI-(STATE OF STREET		Deploy No			tidal Location? No
Weather: SUNNY 505 Winds: 0	AND THE STREET, STATE OF THE ST	Waters: 7.8	12-4	Traffic: NO	NE	Water Temp: —
Measured Water Depth [NAVD88			Core	Penetration I	Length (ft.)): O.7
Correction to NAVD88 (+/- ft. fro NAVD88			Recov	ered Core l	Length (ft.)): O. 6
Mudline (Corrected Depth) @ NAVD8	8:			le Length Re		
Study Depth (-NAVD88	3):		Acceptabl	e Core (80%	recovery	YES
Required Penetration Lengt	h: 0.51		Core '	Volume Reta	ained (gal.)): 0,140gal
A	II Length M	easuremen	ts are in De	cimal Fee	et	
Sample Interval (ft.)	Sam	ple ld#	1977		escription	100000000000000000000000000000000000000
Top 0.0`-0.1`	00-0)	CLAYEY .	AL WOOD	RKOLIV CHIP.	E GRAY
0.1' -0.3'	01-0)3	CLAYEY SOME OF LOOKED BIVALVE	SILT : C CLIKE ROC SHELLS (C	ARKG KE MATE T MASS 0.05'IN D	PAY BLACK FRIAL THAT HAIRS; BROKEN
0.3'-0.5'	03.	-65	SOME W HASH,	SOME OF	ICY DAK S,BI-UA SANIC-LI	K GRAY-BLACK, HLVE SHELL IKE DETRITIS.
						- Calllo,
Bottom						
Number of containers:						/olumes
Type of container: bucket	liner bag	iar	other	Nominal co	ore-barrel	EST. Volume
Liner Type: CL9/16/20	Vibracorer: Push Corer	(30		4.0"		.50gal/ft .33gal/ft
Live Organisms present NO Oil-Like Present NO Odor Present VES Debris Present NO	-501	FUR-LIKE	SMELL Cor	nments TRONGE	R BETH	EEN 0.1'-0,5')
Photo Numbers B. WEIEL B. Alaluro	COOR	DINATES F	ECORDGE	owl ASI	GPS(ABOARDUESSEL)

SEDIMENT CORE LOG Owner: USDC Project No.: 3 617L0 74 86 Logger: C. LARBACK Sub: AS1 Date: 9 16 20 Time: 1050 Vessel: FV TESLA Coordinates: Lat 44.541148 Long -68.748959 Plan Volume: O.14901 Sampling Station: O P - T1 - C3 - DVR Weather: ONNY, 50s Winds: 10-15 Waters: 7-8 2-4 Traffic: NON E Water Temp: Measured Water Depth [NAVD88]: 7-8 Correction to NAVD88 (+/- ft. from NAVD88): Recovered Core Length (ft.): O.6 Mudline (Corrected Depth) @ NAVD88: Sample Length Retained (ft.): O.5	
Sub: ASI Date: 9 16 20 Time: 1050 Vessel: FV TESLA Coordinates: Lat 44.541148 Long -68.74899 Plan Volume: 0.14gal Sampling Station: 0 P - T1 - C3 - DVR Deploy No. 2 Sub-tidal Location? Neather: None Water Temp: Measured Water Depth [NAVD88]: 7.8 Correction to NAVD88 (+/- ft. from NAVD88): Recovered Core Length (ft.): 0.6 Mudline (Corrected Depth) @ NAVD88: Sample Length Retained (ft.): 0.5	AMERICA.
Date: 9 16 20 Time: 1050 Vessel: FVTESLA Coordinates: Lat 44.541148 Long - 68.748959 Plan Volume: O 14 gal Sampling Station: O R - T 1 - C3 - DUR Weather: SUNNY, 5DS Winds: 10 - 15 Waters: 7-8 2 - 4 Traffic: NONE Water Temp: Measured Water Depth [NAVD88]: 7-8 Correction to NAVD88]: 7-8 Correction to NAVD88 (+/- ft. from NAVD88): Mudline (Corrected Depth) @ NAVD88: Sample Length Retained (ft.): 0.5	WAMERSTEE
Coordinates: Lat 44.541148 Long - 68.748959 Plan Volume: O 14gal Sampling Station: O R - T1 - C3 - DUR Deploy No. Z Sub-tidal Location? New Mater Sonny, Sos Winds: IO - 15 Waters: 7-8 2-4 Traffic: None Water Temp: Correction to NAVD88]: 7-8 Correction to NAVD88 (+/- ft. from NAVD88): Recovered Core Length (ft.): O G Mudline (Corrected Depth) @ NAVD88: Sample Length Retained (ft.): O 5	ZYAMED STATE
Sampling Station: OR-TI-C3_DUR Deploy No. Z Sub-tidal Location? Weather: DNNY, 5DS Winds: IO-IS Waters: 7-8 2-4 Traffic: NONE Water Temp: Measured Water Depth [NAVD88]: 7-8 Correction to NAVD88 (+/- ft. from NAVD88): Recovered Core Length (ft.): 0-6 Mudline (Corrected Depth) @ NAVD88: Sample Length Retained (ft.): 0-5	
Weather: 50NNY, 50S Winds: 10-15 Waters: 7-8 2-4 Traffic: NONE Water Temp: Measured Water Depth [NAVD88]: 7-8 Correction to NAVD88 (+/- ft. from NAVD88): Mudline (Corrected Depth) @ NAVD88: Waters: 7-8 2-4 Traffic: NONE Water Temp: Core Penetration Length (ft.): 0.7 Recovered Core Length (ft.): 0.6 Sample Length Retained (ft.): 0.5	
Measured Water Depth [NAVD88]: 7.8 Core Penetration Length (ft.): 0.7 Correction to NAVD88 (+/- ft. from NAVD88): Recovered Core Length (ft.): 0.6 Mudline (Corrected Depth) @ NAVD88: Sample Length Retained (ft.): 0.5	10
Correction to NAVD88 (+/- ft. from NAVD88): Recovered Core Length (ft.): 0.6 Mudline (Corrected Depth) @ NAVD88: Sample Length Retained (ft.): 6.5	_
NAVD88): Recovered Core Length (ft.): 0.6 Mudline (Corrected Depth) @ NAVD88: Sample Length Retained (ft.): 0.5	PLICHTEEN STATES
Mudline (Corrected Depth) @ NAVD88: Sample Length Retained (ft.): 6.5	
Study Depth (-NAVD88): Acceptable Core (80% recovery):	
Required Penetration Length: 0.51 Core Volume Retained (gal.): 0.140	
All Length Measurements are in Decimal Feet	
Sample Interval (ft.) Sample Id # , Description	
Top 0.0-0.1' 00-01_DUP CLAYEY SILT; BARK OLIVEGRAY NO WOOD CHIPS PRESENT	
0.1'-0.3' 01-03_DUP CLAYEY SILT; VERY DARK GRAY MINIMAL BI-VALVE SHELL HASH MATERIAL.	
0.3'-0.5' 03-05_ DUP CLRYEY SILT; VERY DARK G RAY MINIMAL VERY FINE SAND; MINIMAL WOOD CHIP (MED-SAND-SIZED)	_
100 /02 /02	
104	
Bottom	
Number of containers: Core Volumes	-
Nominal core-barrel	
Liner Type: Other Ducket liner bag Jar other diameter EST. Volume Liner Type: 4.0" .50gal/ft	
ACETATE Push Corer Slambar 3.5" .33gal/ft	
Live Organisms present NO Oil-Like Present NO Odor Present YES Debris Present NO Comments SULFUR - LIKE SMELL PRESENT IN SAMPLES.	
	COMPANY
Photo Numbers B. WELLO COOPDINATES RECORDED WASI GPS (ABOARD)	

QC CHECK BY B. WEYER 9/22/2020

wood.	obscot River Mercury	Study - Pha	ase III Engin	eering Evaluation
******	SEI	DIMENT COL	RE LOG	
Owner: USDC	Project No.: 3	6617207481	6 Log	ger: C.LAUDAUK
Sub: ASI	WO:			W. B.WEYER.
	Date: 9/16/20	Time:	1056 Ves	ssel: PV TESLA
Coordinates: Lat 44,5425		.752126	Pla	n Volume: 0.140gal
Sampling Station: OR-TI-CE		Deploy No.		Sub-tidal Location? NO
Weather: SUNNY, 50s Winds: 10 -	15 Waters: 9.5	1 2-4	Traffic: NON	Water Temp: -
Measured Water Depth [NAVD88]:	9.5'	Core P	enetration Leng	oth (ft.): 0.7
Correction to NAVD88 (+/- ft. from NAVD88):	7			gth (ft.): 0.6Z
Mudline (Corrected Depth) @ NAVD88:				ed (ft.): 0,5 \
Study Depth (-NAVD88):			Core (80% rec	
Required Penetration Length:	2 -1			d (gal.): 0,140aa1
All	Length Measurement			30 / 32 / 1 9 9
Sample Interval (ft.)	Sample Id#		Descri	iption
Top 0.0' -0.1'	00-01		SOME CLAY	-SIZED FINESCMINIMA ND-SIZED WOODCH
0.1 =0.3 9/10		DARKO	PLIVEGRAY	W. 19106 0 1000 Carr.
0,3-0.5	6.4 d/ka/20		C\$0	1/10/20
	a.			
0.1'-0.3'	01-03	CLAYEY	SILT WIF	-INEQMED-SAND-
	01 03	DARKO	DOD CHIP LIVEGRA	/
		CLAYEY	UT	
0.3-0.5	03-05	GRAY	CL9/16/20	Y DARK BLACK
		MINIMAL	- FINETO N	(NOT 4 RICCULATE)
	010	WOOD Pur	.P	
C. La lialo	C3-9/10/10		Colo	7/16/20
Bottom				
Number of containers:	6			Core Volumes
Type of container: bucket	liner bag jar		Nominal core-b diameter	EST. Volume
Liner Type: CL9/16 ACETATE	Vibracorer: (BO	(X)	4.0"	.50gal/ft
ALK , KEIKIB	Push Corer	Stambar	3.5"	.33gal/ft
Live Organisms present Y85.		Com	ments	
Oil-Like Present NO	-ONLY ONE NOT ENDI	CORFU	DIFITED	HERF.
Debris Present NO	-ONLY ONE	WAH REC	-OVERY IN	J "BACKUP"
- NY	NOT END	0011 200		- IOI ICI I
THE PLANT OF THE PROPERTY OF T	- COORDINA	TES REC	ORDED WI	ASI BOAT
B. weter	182	<u>,</u>		

wood.	obscot River Mercu	ry Study - Phase III Engineer	ing Evaluation
W000.	SI	EDIMENT CORE LOG	
Owner: 2000 CT 25 US	Project No.:	/ Q 95/20	H. PLANTE
Sub: WOOD ETTS GW	wo: —		TP, MB, TG
	Date. 1/10/20		NA
Coordinates: Lat 44.644 20)4 Long - 6	7.720579 Plan Vo	lume: 0.140ga1
Sampling Station: RPD1501	ADD-01	Deploy No. Su	b-tidal Location? No
Weather: 65°F500, Winds: 144	SOUTH Waters:	JA Traffic: NA,	Water Temp: NA
Measured Water Depth [NAVD88]	: NA	Core Penetration Length (f	t.): /, @ '
Correction to NAVD88 (+/- ft. from NAVD88)		Recovered Core Length (f	t.): / 6 1
Mudline (Corrected Depth) @ NAVD88	4	Sample Length Retained (f	111 -1
Study Depth (-NAVD88)	5	Acceptable Core (80% recover	off alm
Required Penetration Length	: 0.5	Core Volume Retained (ga	
All	Length Measureme	nts are in Decimal Feet	×
Sample Interval (ft.)	Sample ld#	Description	
Top 0 - 0 - \	ADD-01_09162020_SE	D Med un brown CLAY, me	dium plasticity,
0,0,1	@1145	hemogeness, organi turoughest, saturated	L 1 Oor matter
	ADD-01_0916262		
0.1-0.3	SED_01-03	a same as 0-0.11,	vocdier
	@ 1150	content	voisture
A 2 -0 /	ADD-01_0916202		cots finer with
0.3-0.6	- SED_03-05	depth	
	@ 1200		
		717	£
		1620	
	(50)	No.	- Alasana
			The state of the s
Bottom		3.9	
Number of containers:	6		Volumes
Type of container: bucket	liner bag jar	Nominal core-barre	EST. Volume
Liner Type: Al Acetate	Vibracorer: See	Compress > 4.0"	.50gal/ft
	Push Corer	Slambar 3.5"	.33gal/ft
Live Organisms present NO	used show	Comments	0.28gallyt
Odor Present	1	~/	я
Photo Numbers	-		
Filoto Numbers			r.
1 Water			
المالية المالية			

QC CUECK By B. WEYER 9/22/2020

wood.	nobscot River Merci	ury Study - Ph	ase III Engineeri	ng Evaluation
22 9117	S	SEDIMENT CO	RE LOG	
Owner: 10000 CTES L	SDC Project No	0.: 361720748	66 FIBW Logger:	H. PLANTE
Sub: WOOD 6+IS BW	WO: -		2/12/20 Crew: H	P, TG, MB
None 1/2/25	Date: 9/16/20	Time:	: [330 Vessel:	NA WA
Coordinates: Lat 44.643	104 Long - C	07.72012	8 Plan Vol	ume: 1. 10 gal
Sampling Station: 100150k	FO-DDA +	Deploy No	Sub	o-tidal Location?
Weather: 65 ド SUN Winds: /	7mph swith Waters:	NA	Traffic: NA	Water Temp: NA
Measured Water Depth [NAVD8	MM	Core F	Penetration Length (ft	:): 0,95
Correction to NAVD88 (+/- ft. fr. NAVD8	Constitution of the last of th	Recov	vered Core Length (ft	:.): 0.8
Mudline (Corrected Depth) @ NAVD			le Length Retained (ft	_
Study Depth (-NAVD8			e Core (80% recover	
Required Penetration Leng	4 -1		Volume Retained (gal	1/18
Δ	II Length Measurem	ents are in De	cimal Feet	
Sample Interval (ft.)				
Top	ADD-OZ_CAIGZOZO_S	SED Medium	brown fine SI	i LT, trace organic t, organic-like
0-0.1		trace ble	ack Silt, we	t, organic-like
	@1405	0000		
0.1-0.3	ADD-02_09162020_SE	D SAA, No	organics, orga	anic-like odor
	@1420			
0.3-0.5	APP-02_09162020_ SED=03-05	- SAR		
	@ 1430			
		0 9-16-2	0	
	5	0 4-11		
•				
Bottom				
Number of containers:	169/20 X	a) /	Core Nominal core-barre	Volumes
Type of container: bucke	t liner bag jar	other	diameter	EST. Volume
Liner Type: Acetate	Vibracorer:		4.0"	.50gal/ft
Harwe	Push Core Edvos	Slambar Slambar	3.5"	.33gal/ft
Live Organisms present VO		Cor	nments	
Oil-Like Present 100	EXTRUDER			
Debris Present				
Photo Numbers				
MAL				
8- 2010 1010				

Penobscot River Mercury Study - Phase III Engineering Evaluation							
** 000.		SEE	DIMENT CO	RE LOG			
Owner: Wood EtT 3/21/20)SDC Date: 9/	Project No.: 3 WO:	Time:	36 <u> </u>		M. BRUNIO G. HP WA	
Coordinates: Lat 44.8765	73	Long -68	.67400	1	Plan Volu	ime: 0.140gal	
Sampling Station: 0 V - 0 4			Deploy No.	1 [Sub-	tidal Location? $\dot{\mathcal{P}}_{\mathcal{D}}$	
Weather: 105 Econo Winds: 17	mph S.	Waters: ∠V	A	Traffic: A)A	Water Temp: NA	
Measured Water Depth [NAVD88]	NA		Core P	enetration L	ength (ft.): 09	
Correction to NAVD88 (+/- ft. from NAVD88)			Recove	ered Core L	enath (ft.): 0.8	
Mudline (Corrected Depth) @ NAVD88				Length Re	92 33 35 9 S		
Study Depth (-NAVD88)				Core (80%		1111	
Required Penetration Length	0.5		Core V	olume Reta	ined (gal.): 1-40 0.140)ga
All	Length M	easurement	ts are in Dec	cimal Fee	t	949117	1 34
Sample Interval (ft.)	Sam	ple ld#			escription	Maria de Propositi	1
Top 00 - 0)		091020	Brown c	Lay three	ve tero San	-> light as, grey traco clay t clay w/o	
		00-01	W	Sino Si	and S	traco clay	
01-03		-091620	plasticit	of Five	Sancey - h	vous potedium	
	- SED -	-00-01	1-100-11011	11 0,	1		
03-05		-091620	Same a	(4 pa)	onten	ecreased fadditiona	
	- SED.	00-01	give	Sand	5.		
			. 0				
			91	500			
		(599-16	(20)			
Bottom					g.		
			-/	I	Core	Volumes	
Number of containers:		9		Nominal co	ore-barrel	EST. Volume	
Type of container: bucket Liner Type: acetale	liner bag Vibracorer:	jar	other	diameter 4.0"		.50gal/ft	
Line Type: acceptance		· Extrusion	Slambar	3.5"		.33gal/ft	
Live Organisms present Nonle				nments	W. Carlotte		
Oil-Like Present KIDNE Odor Present MONE	00-61	B 151	00-16	75			
Debris Present NOWE		000	15 170	0			
Photo Numbers	01-0	10 17 17 17 18 19 19 19 19 19 19 19 19 19 19 19 19 19					
B. Weld Low	03-0	200 11	15				

wood.	obscot Riv	er Mercur	y Study - Ph	ase III Eng	jineerir	ng Evaluation		
WCCC.		SE	DIMENT CO	RE LOG				
Owner: USD C		Project No.:	3617 2074	86 1	ogger: (C. LAUBACK		
Sub: ASI	~ T	wo:			Crew: B	.WEYER		
The second secon	Date: 9 1	1/20	Time:	1005	/essel:R	IN TESLA		
Coordinates: Lat 44.62347	1	Long -68	.855390		Plan Volu	ume: 0,140gal		
Sampling Station: W-I7-N			Deploy No.	١	Sub-	tidal Location? NO		
Weather: SUNNY (60s Winds:		Waters: く \	-0'	Traffic: NO	NE	Water Temp:		
Measured Water Depth [NAVD88]:	ØNIA	MALSH	Core P	enetration L	ength (ft.): 0,67		
Correction to NAVD88 (+/- ft. from NAVD88):	Recov	ered Core L	enath (ft	1.0 67				
Mudline (Corrected Depth) @ NAVD88:	1	E Length Ret						
Study Depth (-NAVD88):				Core (80%		IL A		
Required Penetration Length:	n = 1		1	olume Retai				
All Length Measurements are in Decimal Feet								
Sample Interval (ft.)	Substitute of the second	ole ld#				Facility at N. C. (Sec.)		
Ton			VERY DATK	GRAVISH	BROWN	1 (Z.SYR S/Z) 1BPOUS INSITU) ZIVE ORGANISMS ZISREMOVED FROM SA		
1.0-0.0	00-		SILTY HAVE	17 YEAT, V	a hin	TBROUS INSITU		
	@ 1650	0	POUR LAR	RE (>1,)MX	XXX DEBI	EISRANOWED FROMSA		
0.1'-0.3'	01-	73	DEKY DIKK	KOKHAD	M RKOL	ON (500 AF 215)		
0.1 0.0	@ 1658 SILTY PEAT, DENISE FLBROUS ROOT MATTINK @ 1658 LIN SITU), NO LIVEORGANISMS OBSERVED SIX PIECES OF WOODY DEBLISO.5-1" PERMAN, PL WERY DARK GRAYISH BROWN (2.5YR 3/2)							
	@ 1658	5	SIX PIECES O	F WOODY DI	BRIXO	5-1" REMOVED, Pt.		
0.3-0.5	03-	05	VERY DARK	CURAYISH T DENSE	REOMN	(2.5YK 3/2)		
0.0 0.0	20		CINSITU),1	10 LIVEO	ROANI	SMS O'BSERVED, PL.		
	@ 170	0				u(2.54R 3/2)		
0.5 -0.62								
			UNSITU), I	NO LIVE OF	ZOANI	S ROOT MATTING SMS OBSERVED, Pt.		
						_		
Bottom		_						
Number of containers:		(-			5.68.00.11355	Volumes		
Type of container: bucket	liner bag	lar	other	Nominal co diameter	re-barrel	EST. Volume		
Liner Type:	Vibracorer:	Jul	1 00.0	4.0"		.50gal/ft		
ACETATE	Push Corer		Slambar	3.5"	entre som entressen.	.33gal/ft		
Live Organisms present NO			Con	nments				
Oll-Like Present NO	- COORE	INATES F	LECORDED (goow no	TABL	ET WITHINBLE		
Odor Present VESS Debris Present NO	RIG	ps rece	IVER.					
Photo Numbers B. WEYER 0122/2020	- SULPT	JR-LIKE	SWELL TH	PROUGHOU.	T CORE			
8. 102/2020								

wood.	enobscot Riv	er Mercur	y Study - Ph	ase III Engin	eering Evaluation			
.,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		SE	DIMENT CO	RE LOG				
Owner: USDC		Project No.:	3617207418	6 Log	ger: C.LAUBIACK			
Sub: ASI		wo: —		Cre	w: B.WEYER			
, , , ,	Date: 9 17 2	O	Time:	1020 Ves	sel: RIV TESLA			
Coordinates: Lat 44.6234	71	Long -68	3.855390		n Volume: Oo140gal			
Sampling Station: W - 17 - N			Deploy No.	STALLS CONTRACT STATES OF	Sub-tidal Location? NO			
Weather: SUNNY, 605 Winds:		Waters: ∠ \	.0`	Traffic: NONE	Water Temp: -			
Measured Water Depth [NAVD8	381: Ø	detical that at obsessing a relief	Core F	Penetration Lend	oth (ft.): 0.75			
Correction to NAVD88 (+/- ft. fr	om	·			gth (ft.): 0,68			
Mudline (Corrected Depth) @ NAVD	vers:				ed (ft.): 0.5			
Study Depth (-NAVD8					overy): YES (90%) CA			
Required Penetration Leng	Par state	,			d (gal.): 0,140			
Company Commence with the Commence of the Comm								
THE SECRETARY OF THE SECOND ASSOCIATION	All Length Me		its are in De	and the state of the state of	the constructing of Berrie			
Top	Samp	le ld#	VERYDARK	Descr PAVISH BROW	IDITION (2.5 Y 3/2) SILTY			
0.0'-0.1	00 -0	PEAT WIT	PACE SANDA	ND CLAY; REMOVED				
	@17	29	VERY DAPKGRAVISH BROWN (2.5 Y 3/2) SILTY PEAT WITRACE SANDAND CLAY; REMOVED AFIVE PIECES OF WOODY DEBRIS (0.5 1.0") FROM SAMPLE, PE					
0.1-0.3	01-0	3_DUP	DERY DIAZ	KGRAYISH F VERY DENSE	BROWN (2,5Y3/2) ROOT MATTING, MINIMA			
	@17		SEDIMEN	T, Pt.				
00'00'	M2 A	- 10			3ROWN (2.5 Y 3/2)			
0.3'-0.5'	2.20 0.00	5_009	SILTY PEAT	VERY DENS	E ROOT MATTING,			
	@17:	33						
0.5'-0.68'			DARK GR	AYISH BROWN	1 (2,54411)			
0.5 -0.08			SILTY PE	AT, VERY DI	ENSIE POOT MATTING.			
	_		5111-318	EN OKCHUIC-	TITE DEN'-MOM - COUST &			
Bottom	-							
Dottom		-		T	Ones Values a			
Number of containers:		(0		Nominal core-l	Core Volumes			
Type of container: bucke	t liner bag	jar	other	diameter	EST. Volume			
Liner Type: ACETATE	Vibracorer:		Slambar	4.0" 3.5"	.50gal/ft .33gal/ft			
	usi corer	25 THE STATE OF TH	the state with a stream with	Anno an amount of the same	1.00gairt			
Live Organisms present NO	-(0020	MATES	RECOR NE	nments	DO TABLET W			
Oil-Like Present NO Odor Present NO	TRIME	BLE RI	GPS REC	EIVER	on 14 prc 1 and			
Debris Present NO				2EV.50				
Photo Numbers								
	1							

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wood.	Penobscot River Mercury Study - Phase III Engineering Evaluation									
WOOO.		SEI	DIMENT CO	RE LOG						
Owner: USDC		Project No.: 5	3617207481	540	Logger: C	- LAUBACK				
Sub: 451	v .	WO: -		19/17	Crew: B.	WEYER				
	Date: 9 17	10	Time:	1035	Vessel: R	IV TESLA				
Coordinates: Lat 44.6033	375	Long -68	.847862		Plan Volun	ne: 0.140 gal.				
Sampling Station: 0B-01	A DESCRIPTION OF THE PROPERTY AND ADDRESS OF		Deploy No.	1	Sub-ti	dal Location? No				
Weather:SUNNY, 605 Winds:	5-10	Waters:<0.	5 (ALM	Traffic: N	ONE	Water Temp:				
Measured Water Depth [NAVD	88]: 22.3	SUPERCOLL VERMINER P. LAWRENCE	Core F	enetration	Length (ft.):	0.85				
Correction to NAVD88 (+/- ft. f NAVD			Recov	ered Core	Length (ft.):	0.74				
Mudline (Corrected Depth) @ NAVE	088:				etained (ft.):	^ -				
Study Depth (-NAVD			1		6 recovery):	11				
Required Penetration Len	10 - 1				ained (gal.):	n 111 - 1				
				manus od same		Uel7 Ogai				
	All Length Me	SHEW STREET, STREET, ST.	ts are in De	cimal Fe	et	0.00 0.0048411.2054152				
Sample Interval (ft.)	Samp	ole ld#		D	escription	化学型影響 医骨头套				
Top 0.0'-0.1'	00 -	01	VERY FINE	SAND - S	SIZEVORGE CORG	T WI TRACE ANIC-LIKE UISAS OBSERVED,				
ε	@ 1625	5	ALLUNUM		C OFGIN	4137 (3 00001000)				
0.1' -0.3'	01-		VERY DARK GRAY (5Y3/1) CLAYGY SILT-CLOSER TO 50% PER, NO LIVE CRC, ANISMS OR LARGER							
	@ 162		DETRITIS IN SAMPLE, ALLUNUM							
0.3-0.5	03-		BLACK (5' ORGANISM			Y, ONE WORM-LIKE				
	@162	_	01-11-11-01		., .,===0	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,				
\ - 1/			VERY DAR	K GRAY (5Y 3/1) 51	LTY CLAY WITH				
0.5 0.40			TRACE VET	FINIA YS	FIBROUS F	200T-LIKE				
0.5'-0.74 crafts	1/10 —	_	MATERIAL	PRESENT	ALLUVIUM	ORM-LIKE 1				
ci										
		\			\					
Bottom	-									
				I	Core V	olumes				
Number of containers:	_	(0	_	Nominal c		Cidillo				
Type of container: bucke	et liner bag	jar	other	diameter		EST. Volume				
Liner Type:	Vibracorer:	BOX)	4.0'		.50gal/ft				
ALETATÉ	Push Corer	regional de mentiones.	Slambar	3.5'		.33gal/ft				
Live Organisms present YES.			Con	nments		£8				
Oil-Like Present NO	_TWO CO	-TWO CORES COLLECTED @ OB-OI TO HAVE ONE ON PESETLYE; CORE "A" WILL B PROCESSED CORE LENGTH OF 0.72'								
Odor Present YES	PESET	LVE; COR	E "A" MIT	LB PROC	ESSED	E A TO'				
Debris Present NO										
Photo Numbers										
Photo Numbers	CONNEC	T(COLLECT	TORAPPLIC SE ASI C	SOZDIN	ATES (PE	ECORDED ON				
9/0	- 501_P	UR-LIVE	SMELLT	trous it	DUT	AC 02C)				

Penobscot River Mercury Study - Phase III Engineering Evaluation									
W 0 0 0.			DIMENT CO	10 PE 124 124 12 12 12 12 12 12 12 12 12 12 12 12 12					
Owner: USDC		Project No.:	3617207486	Logge	er: C.LAUBACK				
Sub: ASI	940	wo:		CZ Crew:	B. WEYER				
	Date: 9 14	20	Time:	1105 The Vesse	el: RVTESLA				
Coordinates: Lat 44.587312		Long -(8	.825354	Plan \	Volume: 0.140ga1.				
Sampling Station: BU-01-0			Deploy No.	\	Sub-tidal Location? No				
Weather: SUNNY, 60s Winds:		Waters: CA	LM (<0.2)	Traffic: NONE	Water Temp: -				
Measured Water Depth [NAVD88]:	10.8		Core P	enetration Length	(ft.): 0.85				
Correction to NAVD88 (+/- ft. from NAVD88):			Recove	ered Core Length	(ft.): 0.78				
Mudline (Corrected Depth) @ NAVD88:			Sample	e Length Retained	1 (ft.): 0.50				
Study Depth (-NAVD88):				Core (80% recov	A farmer				
Required Penetration Length:	0.5		Core V	olume Retained (gal.): 0.140ga1				
All	Length Me	asuremer	nts are in De	cimal Feet					
Sample Interval (ft.)	Samp	le ld#		Descript	ion				
Top 0.0'-0.1'	00-0		DARK OLIVE SILT WITH	GRAY GOCLOJIF VERY FINE SAI ALLOVI UM	(5 H)DARK CLIVE GRAY)				
	@ 1521	Y	VCF1 2021	In section in the co					
0.1'-0.3	O1-(03	TRACE VER	Y FINE SAMO !	S/2) SILT WITH AND MINIMAL CHIPAND TR ALX ALLUNUM				
0.3-0.5	03-	05	VERY DARK	LGREY (5 Y 3/1)	CLAYEY SILT AND - SIZED WOOD OT-LIKE MATERIAL, LLUVIUM				
0.5`- 0.78		-	BLAUK (5 Y	2.5/1) FINESAL	NOY SILT WITH SOME PIALAND SOME DIFUR-LIKE ODOR				
Bottom			* ARTIWA	LATED BIVAL	VE (~0.03) IN OI AM.				
Number of containers:		^	T	Co	ore Volumes				
Number of containers:	lines bee	<u> </u>	oth or	Nominal core-ba	EST. Volume				
Type of container: bucket Liner Type:	liner bag Vibracorer:	jar	other	diameter 4.0"	.50gal/ft				
ALETATE (Push Corer)	Slambar	3.5"	.33gal/ft				
Live Organisms present VES Oil-Like Present NO Odor Present NO Debris Present NO Photo Numbers	675 -(00 RI	SYSTEM	COLLECTES WERE ATT	nments WI ASI'S EMPTED TO TO NAMECT IN TI ESPARCH VES	BE COLLECTED W/				

Penobscot River Mercury Study - Phase III Engineering Evaluation									
***************************************		7 J. V C. V	DIMENT COP	SAME AND AND AND AND ADDRESS OF THE PARTY OF					
Owner: USDC	Proj	ect No.: 3	3617207418			LAUBACK			
Sub: ASI	, wo:					WEYER			
10 miles	Date: 9/17/20)	Time:	1 15 Ves	ssel: K/\	I TESLA			
Coordinates: Lat 44.58730	3 Lon	g -68 .	.825370	Pla		e: 0.140gal			
Sampling Station: BU -01-01	_DUP	se esta esta su	Deploy No.	2 _	Sub-tida	al Location? NO			
Weather: SUNNY, 605 Winds:	Wat	ers: CAL	M (<0,2)	Traffic: NONE	a to septe matter	Water Temp: —			
Measured Water Depth [NAVD88]:	10.8		Core P	enetration Leng	gth (ft.): (9.0			
Correction to NAVD88 (+/- ft. from NAVD88):			Recove	ered Core Leng	gth (ft.):	0.70			
Mudline (Corrected Depth) @ NAVD88:			Sample	Length Retain	ned (ft.): (0.5			
Study Depth (-NAVD88):			Acceptable	Core (80% red	covery):	YES			
Required Penetration Length:	0.51		Core V	olume Retaine	d (gal.):	0.140			
All	Length Measi	uremen	ts are in Dec	cimal Feet					
Sample Interval (ft.)	Sample lo	ma versolateta		Desci	ription				
Top	00-01		DARK OLIVE GRAY (543/2) SILT WITHTRULKY						
0.0-0.1	00 -01.	-004	MINIMAL M	ED-SANDSI	ZED W	ODCHIP, MIN. OT-LIKE MATERIAL IS. ALUNUM			
	@1554		CONTAINS	BENTHLOP	GANISM	15. ALLINUM			
0.1-0.3	01-03	tr 124	WERY DARK	CGRAY(5)	13/1) CL	AVEY SILT ALFIBROUS			
	@ 1556		POOT-LIKE WORMS(XI) ALLUNUM	MATERIAL), TRUERY CO	NRSE I	SENTHIC RYANDS,			
0.3 -0.5	03-03	5-DUP	MED SAND-	SIZED WOOD	CHIP A	T WITH TR ND FIBIZBUS			
	@1558		OBSERVED,	MATERIAL, ALLUNUM	, NO 01	CK H MI SINS			
0.5 - 0.7	_		SUM CHAE	LLAY SOME	MED-3A	ND-SIZED WOOD			
	@ 1600		MINIMAL L	AREK GRAVE	1-513E1	E MATERIAL D WOODY DEBRIS			
Bottom									
N		/			Core Vo	olumes			
Number of containers:	ļ	(0.11	<u> </u>	Nominal core	-barrel	EST. Volume			
Type of container: bucket	liner bag Vibracorer:	jar	other	diameter 4.0"		.50gal/ft			
Liner Type: ACETATE	Push Corer		Slambar	3.5"		.33gal/ft			
Live Organisms present VES.	WITH THE PROPERTY OF THE PARTY	torutt Borross	Con	nments		(WESE!)			
A TOUR TOUR TELL WITH HOLD ON S (SINCE)									
Odor Present Y&S	- ATTEMPTED TO USE TABLET & TRIMBLE RI, BUT RECORDED POINT DID NOT HAVE ANY LAT. OF LONG,								
Debris Present NO	RECORDED POINT DID NOT 19AVE ANT LAT. OF LONG,								
Photo Numbers			<u> </u>		ت	- 3 - 7			
a WEYE	-CORE H	AS A	STRONG "	SULTUR-	-LIKE	000 K			
B.WEVER									

wood.	nobscot Rive	Mercury	Study - Ph	ase III Engineerir	g Evaluation	
WOOO.		SED	IMENT CO	RE LOG		
Owner: USDC	P	roject No.: 3	6617207418	6 Logger: (C. LAUBACK	
Sub: AS I	. W	0:		Crew: B.		1
190000000 HT 190000 20	Date: 9 17 2	20	Time:		IV TESLA	
Coordinates: Lat 44.57525		VENEZA MIZA	. 816383	ROTHERS TO SOME PROPERTY	me: 0 0)40 gal	
Sampling Station: BU-02			Deploy No.	0,	tidal Location?	Selzzlan
	7-10mp/ W	aters: < 0.	3 CALM	Traffic: NONE	Water Temp: —	Jedao
Measured Water Depth [NAVD88	57.3	SANS A SICILAR PROPERTY OF CHARLES	Core F	Penetration Length (ft.)		
Correction to NAVD88 (+/- ft. from	n					
NAVD88	Anna and an anna an a			ered Core Length (ft.	111 01 1	
Mudline (Corrected Depth) @ NAVD88				e Length Retained (ft.	111110	-
Study Depth (-NAVD88				Core (80% recovery		
Required Penetration Length	1: 6.5		Core \	/olume Retained (gal.):	
Al	l Length Mea	surement	s are in De	cimal Feet		
Sample Interval (ft.)	Sample	ld#		Description	segregikatur jérka	
Top						
+						1
			1			
<u> </u>			al Nor	· · · · · · · · · · · · · · · · · · ·		
		1	111110)		
			/		VV-10-0-10-0-0-0-0-0-0-0-0-0-0-0-0-0-0-0	
					_	
Bottom						
Bottom					1.1	=
Number of containers:	+			Nominal core-barrel	/olumes	-
Type of container: bucket	liner bag	jar	other	diameter	EST. Volume	
Liner Type:	Vibracorer:	(BOX	?)	4.0"	.50gal/ft	1
ACETATE	Push Corer	\sim	Slambar	3.5"	.33gal/ft	
Live Organisms present				nments		1
Oil-Like Present	NORFO	OVERFI	SEDIME	MT. CILLU B	EVOLEDED	
Odor Present —	- INTOER	(O.H-0	S) DIE	NI, ONLY K	L DE DIE	Name of the last o
Photo Numbers	1 LAND CT	7=2 1	ENEV OF	CANK INT	DETRIME	
Moto Humbers	FORF	RSTTAL	O ATTEM	SIZIL - LIKE	DC1101113.	100 CONT.
11/0/19/00	- THIRD AM	10 POURT	TH ATTEM	PT HAD INSUI	PICIENT	
6,11	QUANTI	THES OF	SEDIMEN	NT; ONLY R LES OF WOOD' GANIC-LIKE PTS; PTHAD INSUR T, WITH 2-3"	OF SED, IN	
	I ON WH	ACK OL J	KOOK SIL			

Penobscot River Mercury Study - Phase III Engineering Evaluation								
***************************************			SEC	IMENT CO	RE LOG	-te		
Owner: VSDC			Project No.: 3	361720741	86	Logger: C.		
Sub: AS 1		al	wo:		1100	Crew: B.		
		Date: 9/17	120	DAY TO THE THE STREET	1133	Vessel: K	N IESLIA	
Coordinates: Lat 44.5	74 951	3	Long -68	. 816462	_	Plan Volume	e: 0.140gal	
Sampling Station: $eta_{m{l}}$)-02.			Deploy No.	2	Sub-tid	al Location? NO	
Weather SUNNY (005	Winds: 5	10mg/	Waters: ∠0	3 (ALM	Traffic: NO	ONE I	Water Temp: —	
Measured Water Dep	th [NAVD88]:	57.3		Core P	enetration	Length (ft.):	\ .	
Correction to NAVD8	8 (+/- ft. from NAVD88):			Recov	ered Core	Length (ft.):	CT 12/20	
Mudline (Corrected Depth)						etained (ft.):	19/11/100	
	n (-NAVD88):					% recovery):		
Required Penetr		2 //				ained (gal.):		
	All		asurement	s are in De	cimal Fee	et		
Sample Interval	DATE OF STREET	Left-1-4/W-0666-Detectors	le ld#		STREET,	escription		
Top								
					100 Tull 100			
							1	
							CONTRACTOR OF THE STATE OF THE	
								
				0.1	46 1000			
				CL	11/20			
				9	1171			
					_	\		
Bottom								
Number of containers:						Core Vo	lumes	
Type of container:	bucket	liner bag	iar	other		ore-barrel	EST. Volume	
Liner Type:	bucket	Vibracorer:	jar	Other	diameter 4.0	"	.50gal/ft	
	TO STOLEN OF THE STOLEN OF THE STOLEN	Push Corer		Słambar	3.5	"	.33gal/ft	
Live Organisms present	vacar and all six		W. C.	Con	nments			
Oil-Like Present		-INSI	FFICIFA	IT RECO	MARY			
Odor Present Debris Present		U. B.				in alm	THER	
Photo Numbers		-100	LUDED W	KNIC-LI	このかしろ	TRIDO	111111	
6	4,1/20	(CENT)	1-014	KMIC-LI	KE DE	1 11112	~	
	dlin							

Penobscot River Mercury Study - Phase III Engineering Evaluation												
				IMENT COF								
Owner: USDC			Project No.: 3	561720748(-MBACK					
Sub: ASI			WO: —		_		WEYER					
1(0)		Date: 9 17/2	20	Time:	1135 1	/essel: 🕌	V TESLA					
Coordinates: Lat 44.5	7594	4	Long -68 .	817294	/ F	Plan Volume	o: 0 . 14 0 gal					
Sampling Station:	-03	CL9/17 BU	-02	Deploy No.	3	Sub-tid	al Location? NO	YES BW				
Weather: SUNNY, 605	Winds: 5	-10mgh	Waters: CAL	M	Traffic: NO	ME	Water Temp: —	41240				
Measured Water Dept	h [NAVD88]:	57.3	,	Core P	enetration Le	ength (ft.):						
Correction to NAVD8						/ec. o.	Chialo					
	NAVD88):				ered Core Lo		9/17/20	-				
Mudline (Corrected Depth)	@ NAVD88:		Sample Length Retained (ft.):									
	(-NAVD88):	0/	,	Acceptable Core (80% recovery):								
Required Penetra	ation Length:	0.5	Halle West No. of Street	Core V	olume Retai	ned (gal.):	2					
	All	Length Me	asurement	s are in Dec	cimal Feet							
Sample Interval (ft.)	Samp	le ld#		De	scription						
Top								İ				
		130 WW. 100 W. 100 W			PH 1							
				0.1								
				CLT				-				
				9	17/20							
				***	_			-				
								-				
↓												
Bottom					71=11111							
Number of containers:						Core Vo	lumes					
	hugkat	linorhog	ior	other	Nominal co	re-barrel	EST. Volume					
Type of container: Liner Type:	bucket	liner bag Vibracorer:	Box) Other	diameter 4.0"		.50gal/ft	1				
Liner Type.	-	Push Corer	000	Slambar	3.5"		.33gal/ft					
Live Organisms present	(CASTANDED CO.	entropise Gearquio		Com	ments	and the second second						
Oil-Like Present		1415	~ :									
Odor Present	_	-4N20	MCIEMI	KELOW	SF 7							
Debris Present		- 2-3" OFSED. IN CORNER OF THE BOX										
Photo Numbers	χ.			. 110 -01								
13/	212/20											
	di,,											

Peno	bscot Rive	er Mercury	Study - Ph	ase III En	aineering	Evaluation
wood.			DIMENT CO		9	m v or o o o o .
Owner: VSDC		The second second	617207486		Logger: 📞	LMBACK
Sub: AS I		wo:			Crew: B. \	UFYER
		20/20			Vessel: ア	V TESLA
Coordinates: Lat 44. 575445		Long - 6 8	8.81652	5 9/20/20	Plan Volum	e: 0.140
Sampling Station: BU-02	Bernwann ragio era	ar house wild a second	Deploy No.		Sub-tid	al Location? NO
Weather: CLERZ 50s Winds: 10-1	Smph 1	Waters: 0'-	1/	Traffic: NO	NE	Water Temp: ——
Measured Water Depth [NAVD88]:	39.3		Core P	enetration L	ength (ft.):	
Correction to NAVD88 (+/- ft. from NAVD88):				ered Core L		(19/2)
Mudline (Corrected Depth) @ NAVD88:				Length Re		110160
Study Depth (-NAVD88):				Core (80%		
Required Penetration Length:	0.5			olume Reta		
All L	ength Mea	asurement	s are in De	cimal Fee	t	
Sample Interval (ft.) Top Bottom	Sampl	the residual structures.	CL 9/2	De	escription	
Number of containers:	_	-		Nominal co	Core Vo	lumes
Type of container: bucket	liner bag	jar	other	diameter		EST. Volume
10.00	/ibracorer: Push Corer	80X/	Slambar	4.0" 3.5"		.50gal/ft .33gal/ft
A CONTRACTOR OF THE PROPERTY O	SAN STATE OF THE PARTY OF THE P	Weithchanters Translated	are the section of the section of the			.oogunt

wood.	Penobscot River Mercury Study - Phase III Engineering Evaluation									
******		SEI	DIMENT CO	ORE LOG						
Owner: VSDC		Project No.: 3	36172071	486 <u>Lo</u>	gger: C_LI	tubiauc				
Sub: ASI		wo:		Cr	ew: B. M	EYER				
	Date: 9/2	0/20	Time	: 1454 Ve	essel: PV	TESLA				
Coordinates: Lat 44.574 9	77	Long -63.			are the second s	0.140gal				
Sampling Station: BU-02	2		Deploy No		Sub-tidal L	ocation? No				
Weather: CLEAR, 50s Winds: 10	0-15mph	Waters: 0.0	1-9.01	Traffic: NONE	Wa	ter Temp:				
Measured Water Depth [NAVD8	81: 24.3		Core	Penetration Len	nath (ft.):					
Correction to NAVD88 (+/- ft. fre	om					CL.				
NAVD8			20.004	vered Core Len	- 45000	9/20/20				
Mudline (Corrected Depth) @ NAVD8				le Cere (80%		/ Icala				
Study Depth (-NAVD8 Required Penetration Leng				le Core (80% re Volume Retaine						
					ed (gai.).					
	Il Length Me		s are in De	HISTORY DISCUSSION AND STREET		News Color State (1977)				
Sample Interval (ft.)	Samı	ple ld#	A STATE	Desc	ription	Note: Provide and				
	+									
		\								
			~ .	n	9	21.700 H				
			CLq	120/20		ENAVARIONE STILL				
				100100						
					<u></u>					
					- Alexander - Alex					
—										
Bottom						PWIIIONE TO THE PARTY OF THE PA				
Number of containers:	-	_	_	Marsinal core	Core Volum	nes				
Type of container: bucket	liner bag	jar	other	Nominal core- diameter		T. Volume				
Liner Type:	Vibracorer:	(OX)	4.0"	.50	gal/ft				
	Push Corer	UNIVERSAL PROPERTY.	Slambar	3.5"	.33	gal/ft				
Live Organisms present			Cor	nments						
Oil-Like Present — Odor Present —	-INSUFFICIENT RECOURTY									
Debris Present										
Photo Numbers										
CL 9/20/20										
Sollar										
	ľ									

wood.	nobscot R	iver Mer	cury St	ıdy - Pł	nase III Engin	eering	g Evaluation	
WOOO .			SEDIM	ENT CO	ORE LOG			
Owner: USDC		Project N		120748	J. C. Sale 12 - 10 - 10 - 10 - 10 - 10 - 10 - 10 -	ger: C	LAUBACK	
Sub: 451		wo: —	-				WEYER	
, , , ,	Date: 9	20/20		Time			V TESLA	
Coordinates: Lat 44.57595	58	Long -	68.8	1724		A MORE FIG.	ne: 0.140gal	
Sampling Station: BU - 02				Deploy No			dal Location? NO	
Weather: CLEAR 50 Winds: 10	-15MOh	Waters:	0.0'-1	01	Traffic: NoNi	Minute Service	Water Temp: -	
Measured Water Depth [NAVD88	28.3	ott in ett ellen ett i de		08401-5,454,551	Penetration Leng	فأث لغاء لاب سود	and the state of t	
Correction to NAVD88 (+/- ft. from NAVD88	n				vered Core Leng		alaslas	
Mudline (Corrected Depth) @ NAVD88	3:			Samp	le Length Retain	ed (ft.):	101	
Study Depth (-NAVD88):			Acceptabl	le Core (80% red	overy):	10-	
Required Penetration Length	0.51	Core Volume Retained (gal.):						
Al	I Length N	leasuren	nents a	re in De	cimal Feet			
Sample Interval (ft.)	San	nple ld#			Descr	iption	er jakker teres.	
Top								
						-11		
						NICE BY		
				2L 91	10/20			
		1 100			icolc 0			
11								
i o								
▼ Bottom		***************************************	миновах I се и	· · · · · · · · · · · · · · · · · · ·				
Number of containers:						Core Vo	olumes	
Type of container: bucket	liner bag	jar		other	Nominal core-b	arrel	EST. Volume	
Liner Type:	Vibracorer:	B	<u></u>		4.0"		.50gal/ft	
	Push Corer	"s assumed	— Slar	mbar	3.5"		.33gal/ft	
Live Organisms present —		-111			nments			
Oil-Like Present —	1 M21	11217U	THE	ZECO	WERY			
Odor Present	-				•			
Photo Numbers	1							
cr droles								
CC Hour								

Date: 120 20 20 20 20 20 20 2	wood.	nobscot River	Mercury	Study - Ph	ase III En	gineerir	ng Evaluation
Date: 120 20 Time: 1505 Crew: B. WEYER Vessel: P. T. TELLA Coordinates: Lat ##.576188 Long — Ce. 214136 q/zo/zo. Sampling Station: P. O. O. Deploy No. 8 Sub-tidal Location? N.O. Weather: CLERZ 505 Winds: 10-15 Mp. Waters: 0.0-1.0 Traffic: N.O.N.E. Water Temp: Measured Water Depth (NAVD88): 52.9 Core Penetration Length (ft.): C.C. Correction to NAVD88: Sample Length Retained (ft.): 4 / 70 / 70 / 70 / 70 / 70 / 70 / 70 /	*******		SED	IMENT CO	RE LOG		
Date: 120 2 Time: 1605 Vessel: 7 Test A Doordinates: Lat 44.576488 Long - GR. 816-138 9/20/20 Plan Volume: 10.14 0/ga Sampling Station: 80 - 02 Deploy No. 8 Sub-tidal Location? NO Weather: CLGRZ 50s Winds: 10-15 Mg/L Waters: 0.0-1.0 Traffic: NOINE Water Temp: Measured Water Depth (NAVD88): 52.9 Core Penetration Length (ft.): Recovered Core Length (ft.): Recovered Length (ft.): Recovered Length (ft.): Recovered Core Length (ft.): Recovered Length (ft.	Owner: AS_CLAIZOIZO USD)C Pro	oject No.: රි	617207481	b	Logger:	C.LAUBAUK
Date: 120 2 Time: 1605 Vessel: 7 Test A Doordinates: Lat 44.576488 Long - GR. 816-138 9/20/20 Plan Volume: 10.14 0/ga Sampling Station: 80 - 02 Deploy No. 8 Sub-tidal Location? NO Weather: CLGRZ 50s Winds: 10-15 Mg/L Waters: 0.0-1.0 Traffic: NOINE Water Temp: Measured Water Depth (NAVD88): 52.9 Core Penetration Length (ft.): Recovered Core Length (ft.): Recovered Length (ft.): Recovered Length (ft.): Recovered Core Length (ft.): Recovered Length (ft.	Sub: ASI	, Wo	o:				
Sampling Station: 80 02 Deploy No. 8 Sub-tidal Location? NO Weather:CLOR 2-50s Winds: 10 -15 Mol. Waters: 0.0 1.0 Traffic: NONE Water Temp: Measured Water Depth (NAVD88): 52.9 Core Penetration Length (ft.): Mudline (Corrected Depth): 8 NAVD88: Sample Length Retained (ft.): 9 (7.0 [0]) Required Penetration Length: 0.5 Core Volume Retained (gal.): All Length Measurements are in Decimal Feet Sample Interval (ft.) Sample Id # Description Top Bottom Number of containers: 5 Docket liner bag jar other language of containers: 5 January 1,50 (a)		Date: 120/2	20	Time	:1505	Vessel: §	2/18 TESLA
Weather:CLERC_50s Winds: 10-15 MQN Waters: 0.0 (.0 Traffic: NONE Water Temp:		8න් Lo	ng –6 8	. 81643	9/20/20	Plan Volu	ime: 0,140gal
Measured Water Depth [NAVD88]: 52.9 Correction to NAVD88 (+/- ft. from NAVD88): Recovered Core Length (ft.): Mudline (Corrected Depth) @ NAVD88): Sample Length Retained (ft.): A Logito Study Depth (NAVD88): Acceptable Core (80% recovery): Core Volume Retained (gal.): All Length Measurements are in Decimal Feet Sample Interval (ft.) Sample Id # Description Top Bottom Number of containers: Ducket liner bag jar other diameter liner Type: Vibracorer: Push Core Slambar 3.5" 33gal/ft Live Organisms present Core Volumes Nominal core-barrel diameter liner 1,35 33gal/ft Comments	Sampling Station: BU -02	DOSESSA SERVICE WAS CONTROLLED	SERVICE STATES	Deploy No	X 8	Sub-	tidal Location? N ()
Correction to NAVD88 (+/- ft. from NAVD88): Mudline (Corrected Depth) @ NAVD88: Study Depth (-NAVD88): Required Penetration Length: All Length Measurements are in Decimal Feet Sample Interval (ft.) Sample Interval (ft.) Sample Id # Description Top Bottom Number of containers: Type of container: Ducket liner bag jar other diameter Live Organisms present Comments Recovered Core Length (ft.): All Length Measurements are in Decimal Feet Description Core Volume Retained (gal.): All Length Measurements are in Decimal Feet Sample Interval (ft.) Sample Id # Description Core Volumes Nominal core-barrel diameter EST. Volume Live Organisms present Comments	Weather:CLEAR,50s Winds: 10	-15 mol Wa	aters: 0.0)'-1-0'	Traffic: NO	WE	Water Temp:
Correction to NAVD88 (+/- ft. from NAVD88): Mudline (Corrected Depth) @ NAVD88: Study Depth (-NAVD88): Required Penetration Length: All Length Measurements are in Decimal Feet Sample Interval (ft.) Sample Interval (ft.) Sample Id # Description Top Bottom Number of containers: Type of container: Ducket liner bag jar other diameter Live Organisms present Comments Recovered Core Length (ft.): All Length Measurements are in Decimal Feet Description Core Volumes Nominal core-barrel diameter EST. Volume Live Organisms present Comments	Measured Water Depth [NAVD88]	52.9	CONTRACTOR STREET, THE CONTRACTOR	Core I	Penetration I	_enath (ft.):\
Mudline (Corrected Depth) @ NAVD88: Study Depth (-NAVD88): Required Penetration Length: All Length Measurements are in Decimal Feet Sample Interval (ft.) Top Bottom Number of containers: Type of container: Decimal Feet Somple Interval Correction to NAVD88 (+/- ft. from	n					01	
Study Depth (-NAVD88): Required Penetration Length: All Length Measurements are in Decimal Feet Sample Interval (ft.) Top Bottom Number of containers: Type of container: Decimal Feet Somple Interval Somple Interval Sample Interval S	Mudline (Corrected Depth) @ NAVD88	J:					1 01 100
Required Penetration Length: 0 . 5 Core Volume Retained (gal.): All Length Measurements are in Decimal Feet Sample Interval (ft.) Sample id # Description Top Bottom Number of containers: ype of container: bucket liner bag jar other diameter ype of container: bucket liner bag jar other diameter diameter diameter Push Corer Vibracorer: Push Corer Slambar 3.5" .33gal/ft Comments	Study Depth (-NAVD88)):					11001
Sample Interval (ft.) Top Top Bottom Number of containers: Type of container: Type: Vibracorer: Push Corer Slambar 3.5" Jagal/ft Comments Comments	Required Penetration Length	0.5					1
Sample Interval (ft.) Top Top Bottom Number of containers: Type of container: Type: Vibracorer: Push Corer Slambar 3.5" Jagal/ft Comments Comments	All	Length Meas	urement	s are in De	cimal Fee	et	
Bottom Number of containers: ype of container: bucket liner bag jar other diameter ype of container: iner Type: Vibracorer: Push Corer Slambar 3.5" J33gal/ft Live Organisms present Comments			APPENDING THE PROPERTY OF THE PARTY OF THE P		all No devices	"Zuchbert is	
ype of container: ype of container: Uibracorer: Push Corer Comments Nominal core-barrel diameter EST. Volume Live Organisms present Comments				CL	alzolzo		
ype of container: bucket liner bag jar other diameter EST. Volume iner Type: Vibracorer: 4.0" .50gal/ft Push Corer Slambar 3.5" .33gal/ft Live Organisms present Comments	Number of containers:	_		_	Naminal		Volumes
Live Organisms present Live Organisms present Comments Vibracorer: Push Corer Slambar 3.5" .30gal/ft .33gal/ft	Type of container: bucket	liner bag	jar	other	-4	ore-parrel	EST. Volume
Live Organisms present Comments	Liner Type:	Vibracorer:	(BOX		4.0"		.50gal/ft
Oll I Was December	ETW. 720 Englaste V. E. Gate Annual Decide	Push Corer			· *		.33gai/π
Odor Present - NO RECOVERY OTHER THAN ONE LARGE Debris Present - NO RECOVERY OTHER THAN ONE LARGE		4					
Debris Present		-NO PE	COVERY	OTHER	2 THAN	ONE	LARGE
LIECT OF MOUNTY DEBELOTION X V. H.	Debris Present	PIECE	07 W	OODY D	EBRIS	(6"x:	jXH.)
Tioto Numbers	Photo Numbers	,			~ · · · · · · · ·	~	- 11
CL 9/20/20	CL9/20/20						
, i							

wood.	nobscot Riv	er Mercury	Study - Ph	ase III Engine	ering Evaluation
₩ 000.		SEC	IMENT CO	RE LOG	
Owner: USDC		Project No.:	61774	Logge	erC. UNBACK
Sub: ASI	ì	,WO:			: B. WEYER
7.00	Date: 9 20	20	Time:	1506 Vess	el: RUTESLA
Coordinates: Lat 44.5760	1 (Long -68	. 81561	Schalzolzo Plan	Volume: 0.140ga(
Sampling Station: BU-02			Deploy No.	1	Sub-tidal Location? NO
Weather: GLBAP, SQ Winds: 11	0-15mph	Waters: 0.0	10.1-	Traffic: NONE	Water Temp: —
Measured Water Depth [NAVD88	is the amendment of the said	and Property and Advanced	Core F	Penetration Length	n (ft.): \
Correction to NAVD88 (+/- ft. fro					05/05/01/0
NAVD88	3):			ered Core Length	
Mudline (Corrected Depth) @ NAVD8				e Length Retained	
Study Depth (-NAVD88				Core (80% reco	
Required Penetration Lengt			recurred to the second	/olume Retained	(yai.).
A	es la face de la face de la companya	easurement	s are in De	THE PLANE STATE	
Sample Interval (ft.)	Sam	ple ld#		Descrip	tion
			9/20	120	
п					
D-H					
Bottom		The second second second			Core Volumes
Number of containers:				Nominal core-ba	arrel
Type of container: bucket	- 1/11	jar	other	diameter	EST. Volume
Liner Type:	Vibracorer: Push Corer	- Ec	Slambar	4.0" 3.5"	.50gal/ft .33gal/ft
	T USTI OUTCI		न रेक्स अनुस्तान विद्यार से न्यान की	mments	
Live Organisms present Oil-Like Present Odor Present Debris Present Photo Numbers	-N	o RECOL			
alsolo					

wood.	enobscot Rive				eering Evaluation
			MENT COL		A 110.0 m. 151
Owner: USDC		Project No.: 30	017207710		ger: C.LAVBACK
Sub: AS 1		VO:		JI	W. B.WEYER
	Date: 9/20	120	Time :	1510 Ves	ssel: RIV TESLA
Coordinates: Lat 44.57-8	141 L	ong – 68. 9	17482	CL9/20/20 Pla	n Volume: O .140gal
Sampling Station:	5 BU-02		Deploy No.		Sub-tidal Location? No
Weather: CLEAR, 505 Winds:		Vaters: (),5-	(-0	Traffic: NON	Water Temp: —
Measured Water Depth [NAV	file characteristic of most of common Annual States	SACSSINGUE OF THE STREET OF	Core P	enetration Leng	gth (ft.):
Correction to NAVD88 (+/- ft.					C1.9/20/20
NAVI	D88):			ered Core Leng	
Mudline (Corrected Depth) @ NAV	D88:			Length Retain	
Study Depth (-NAVI				Core (80% red	
Required Penetration Le				olume Retaine	a (gal.):
	All Length Mea	surements	are in De	cimal Feet	
Sample Interval (ft.)	Sampl	e ld#	SPATIALITY AL	Descr	ription
Тор					
					.g
			01	01 1	
			CL	- 1201	0
		-		11001	
1992					
Ţ					
Bottom					
					Core Volumes
Number of containers:		~		Nominal core-	
Type of container: buc	The state of the s	jar	other	diameter 4.0"	EST. Volume .50gal/ft
Liner Type:	Vibracorer: Push Corer	(BOX	Slambar	3.5"	.33gal/ft
			marking a substitution	nments	
Live Organisms present Oil-Like Present					9889. 3
Odor Present —	_1M21X	SICIFA	IT REC	OVERY. A	FEW IINCHES
Debris Present —	-11(30)			201	Service of the Control of the Contro
Photo Numbers	OF S	EDIME	1111	DOX	
Chalsollo					
1110	l				

wood.	Penobscot l	River I	Viercury S	Study - Ph	ase III Engineering	Evaluation
WUUU .			SEDI	MENT CO	RE LOG	
Owner: USDC		Proj	ject No.: 34	17267486		
Sub: AS 1		1 1	_		Crew: B.V	
1,00	Date: 0	1/20/2	.0	Time:	15[5 Vessel: R]	VTESUA
Coordinates: Lat 44.579	932	Lon	g -68 .	817902	Plan Volum	e: 0.140gal
Sampling Station:	C19/20/20	BU-02		Deploy No.	Tor Italia	lal Location? NO
		THE SHIP OF	ers: 0.5`-	entress venetarios	711	Water Temp:
, applicable seem of production will be a two being with which	10-15mg/	a and the second	ers. O.5 -		and the second second	ALERONAL SERVICES
Measured Water Depth [NAV		4		Core F	Penetration Length (ft.):	101
Correction to NAVD88 (+/- ft NAV	. trom 'D88):			Recov	ered Core Length (ft.):	100
Mudline (Corrected Depth) @ NA\	/D88:			Sampl	e Length Retained (ft.):	19/20/0
Study Depth (-NAV	'D88):			Acceptable	e Core (80% recovery):	
Required Penetration Le	ength: 0,5			Core \	/olume Retained (gal.):	
Control of the Contro	All Length	Meas	urements	are in De	cimal Feet	
Sample Interval (ft.)	A S	ample lo	d#		Description	
Top						
					20_102104-0194-0-0-0-1-0-0-0-0-0-0-0-0-0-0-0-0-0-0-0-	
				\cap	, ,	
				700	9/20/20	
				_	112,	
н						
1 1						
Bottom					Market Company	
Number of containers:						olumes
	ket liner b	ag	jar	other	Nominal core-barrel diameter	EST. Volume
Liner Type:	Vibraco	er:	BOX		4.0"	.50gal/ft
	Push Co	orer	SEMPLE VILLAGE TO SET TO SET	Slambar	3.5"	.33gal/ft
Live Organisms present —				Co	mments	
Oder Present	1/	16.0	Dr. IFAI	TRECO	DIFRY	
Odor Present Debris Present		1 JUS	TILLIN	, , , ,		
Photo Numbers						
CCIO	,O					
direct						

wood.	Penobscot River Mercury Study - Phase III Engineering Evaluation							
WOOO.	SEI	DIMENT COF	RE LOG					
Owner: USPC	Project No.:	361720748	Logger: H.	PLANTE				
Sub: 6000 6+ 159/22/	20 WO: ——		Crew: TG	HP.				
None	Date: 9/17/20	Time:	1020 Vessel: A	19				
Coordinates: Lat 44.5799	78 Long -68	. 86 0386	Plan Volum	e: 0.140Gal				
Sampling Station: MMSW-	<u>د</u>	Deploy No.) Sub-tid	al Location? NO				
Weather: 65 SO Winds: SN	int breeze Waters: N	A	Traffic: NA	Water Temp: NA				
Measured Water Depth [NAVD88]:	NA	Core P	enetration Length (ft.):	1.6'				
Correction to NAVD88 (+/- ft. from NAVD88):		Recove	ered Core Length (ft.):	1.6				
Mudline (Corrected Depth) @ NAVD88:	9 <u></u>		Length Retained (ft.):	6" - 0.5"				
Study Depth (-NAVD88):			Core (80% recovery):	YES				
Required Penetration Length	1 01		olume Retained (gal.):	0.140				
	Length Measuremen							
Sample Interval (ft.)	Sample Id #		Description	\$ 15/40 m = 120				
Top	MMSW-C_091720_	Brown C	Ay Roots the	aghary,				
0-0.1	MMSW-C_09/720_ Brown CLAY, Roots throughout, SED_00-01 trace fine sand, wet, high							
	@ 1030 Prasticity							
	MMSW-C_091720	SAA, mor	edense + time	roots, wet				
0.1-0.3	SED_01-03	compa	cted roots	* S * /				
1 1	@1040	I.						
	MMSW-C_091720	SAA, Sah	rated fine	roots, less				
0.3-0.5	SED_C3-OS	dense	, ,					
				*				
		9-17-20	9					
	(50	100						
Bottom			Core Vo	dumae				
Number of containers:	-/6		Nominal core-barrel	Junes				
Type of container: bucket	liner bag jar	other	diameter	EST. Volume				
Liner Type: ACETATE	Vibracorer: (See (1	Slambar -	3.5"	.50gal/ft .33gal/ft				
13.66	Push Corer			1.55gai/it				
Live Organisms present 965 Oil-Like Present NO	\$11.076P	SHOJEL	nments					
Oil-Like Present NO Odor Present YES - OFGA1	SHOOTER	2110066						
Debris Present PO]							
Photo Numbers								
a Waler								
B. 257 120 20 9 120 20								

■ Pon	obscot Riv	er Mercury	Study - Pha	se III Engineering	Evaluation		
wood.	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		IMENT COF				
Owner: USDC		Project No.: 3	61720748	6 Logger: H.	PLANTE		
Sub: 21 - BW 4/8	20	wo. —		1450 Crew: 5C1	HP, TG		
NONE	Date: 9 - 1	7-2-02	◯ Time : ¹	Vessel: N/	X		
Coordinates: Lat 44.54 03	01	Long - 68	.74670	7 Plan Volum	e: 0.140 ga		
Sampling Station: OR - T1 -	CL		Deploy No.	\ Sub-tid	al Location? NO		
Weather: (S°F, SU) Winds: Po	cere	Waters: N/	A I	Traffic: N/A	Water Temp: N/A		
Measured Water Depth [NAVD88]:	NA		Core Po	enetration Length (ft.):	0.45'		
Correction to NAVD88 (+/- ft. from				ered Core Length (ft.):	0.79'		
NAVD88): Mudline (Corrected Depth) @ NAVD88:	, promoting			Length Retained (ft.):	0.5		
Study Depth (-NAVD88):	53-00			Core (80% recovery);	83%-4ES		
Required Penetration Length:	14 mm 1			olume Retained (gal.):	0.140		
All Length Measurements are in Decimal Feet							
Sample Interval (ft.)		ple ld#		Description			
Top 0-0.1	OR-T1-C1 SED-00	-191720-	Dark bri	own clay, une sand, orga	uet, trace		
	@1700		top	J			
0.1-0.3	OR-T1-	C1_05177	Park 10	rown clau	j, wet,		
	@1715		l .	ganics, m	icesilt		
0.3-0.5	OR-TI-C	3-091720	Dark bo	our clay	trace		
	@1730		silt, we	oun clay	ics, organic		
					-		
		(SO) 9-17	20				
北 集		8					
Bottom							
	-	6		Core Vo	olumes		
Number of containers:	/			Nominal core-barrel	EST. Volume		
Type of container: bucket	liner bag Vibracorer:	jar	other	diameter 4.0"	.50gal/ft		
Liner Type: A Cltate	Push Corer		Slambar	3.5"	.33gal/ft		
Live Organisms present NO			Con	nments			
Oil-Like Present	Extri	doc			×		
Odor Present VES-DEG			t not le				
Photo Numbers	he	1791	4 not le	saed			
I Hoto Hallisolo	0.5-	U.TT+	1	71			
Ray By							

QC CHECK BY B. WEYER 9/22/2000 8W 9/22/2000

wood.	bscot River Mercury	Study - Phas	e III Engineering	Evaluation			
SEDIMENT CORE LOG							
Owner: USDC	Project No.:	36172074	とり Logger: S.	couplin			
Sub: None	WO:		150 Crew: SL,	HP, TG			
5w 9/22/20	Date: 9-17-202	○ Time : 🎖	Vessel: N	A Magin			
Coordinates: Lat 44.54030	1 Long - 68	.746707	Plan Volume	e: 8.95 0.1	40GAI		
Sampling Station: OR-T1-C	1 DUP	Deploy No.	Sub-tida	al Location? NO			
Weather: (05F,5vn Winds: B			100	Water Temp: N/A			
Measured Water Depth [NAVD88]:	NA	Core Per	netration Length (ft.):	0.951			
Correction to NAVD88 (+/- ft. from NAVD88):	_		ed Core Length (ft.):	0.791			
Mudline (Corrected Depth) @ NAVD88:	_		ength Retained (ft.):	0.51			
Study Depth (-NAVD88):		Acceptable 0	Core (80% recovery):	837 Yes			
Required Penetration Length:	0.5'	Core Vol	ume Retained (gal.):	0,140			
	Length Measurement	ts are in Deci	mal Feet				
Sample Interval (ft.)	Sample ld #		Description				
Тор	OR-TI-CI-091720 - SED-007-01-	Durk	brown day, w	et, trace			
0-0.1	(50 9-17-20 -17-20	DUP 6499	sund tsilt	FITAGE			
a-17-20	W1700 @1740)					
1001-0:3	OR-TI-CI_091720_ SED_01-03_DUP	Dark Brow	on day, wet	, truce			
	60 4-17-20	organics	Itrace Silt	, truce snell	K		
	08-THU-091720-						
0.3-0.5	SED_08-05-00P	WICK BOC	oun clay it	race silt,			
	011853050	wet, tra	le organics, o	raunic odar			
	9-17-20	WALR SV	elis				
				1			
	(5) 9-T	170					
	1						
Bottom							
Number of containers:	/ Le		Core V Nominal core-barrel	olumes	-		
Type of container: bucket	liner bag jar		diameter	EST. Volume			
Liner Type: A Cafall	Vibracorer:		4.0"	.50gal/ft	-		
THU TUSTO	Push Corer	Slambar	3.5"	.33gal/ft	1		
Live Organisms present NO		Com	ments				
Oil-Like Present NO	Extruder						
Odor Present VES - OCO Debris Present Coots Chall			1				
Photo Numbers	Extruder 0.5.0.79 fd	. not loge	zed		1		
100					1		
B. WEYER 2020							

wood.	obscot River Mercury	Study - Pha	ase III Engineering	g Evaluation			
****	SED	DIMENT COL	RE LOG				
Owner: USDC	Project No.: 7	661720748		LOLPIN			
Sub: WOOD CHS 9/21/2	WO:			1HP, T/57			
None BW	Date: 9-17-20	Time:	1530 Vessel: 1	UIA			
Coordinates: Lat 44.50% 60	0696 Long -68	. 7644 3	5 Plan Volum	ne: 0 140 bal			
Sampling Station: PBR-28		Deploy No.	↑ Sub-ti	dal Location? YES			
Weather: 657, Sun Winds: 7	reeze Waters: 11	A	Traffic: M/A	Water Temp: N/A			
Measured Water Depth [NAVD88]:	A 2 4A	Core P	enetration Length (ft.):	0.951			
Correction to NAVD88 (+/- ft. from			V. 34	64			
NAVD88)			ered Core Length (ft.):	. ~ .			
Mudline (Corrected Depth) @ NAVD88			e Length Retained (ft.): e Core (80% recovery)				
Study Depth (-NAVD88)							
Required Penetration Length: 6 .5 Core Volume Retained (gal.): 0140							
	Length Measurement	ts are in De					
Sample Interval (ft.) Top	Sample Id #	CHELL CONTROL	Description				
0-0.1	PBR-28-09M20-560	Dark B	oun, day, s	une silt,			
	Q1745	wet, or					
	738-28_091720_SED			Connecial			
0.1-0.3	_01-03		roun clay,	2010 S 2 17 1			
	@1800	wet, oda	2				
0.3-0.5	PBR-28-091720_SE	Darky	nown day	Some Hatesilt			
	@181S	moist &	to wet oday	(5) 9-17-20 cry(m: (-5))/fr			
20							
0,5-0.84	NIA		m brown (
		nigh p	lasticity, sur	esilt, moust			
		to wet	odur organi	c- suffer-like			
100	4-17-20						
Bottom							
			Core \	/olumes			
Number of containers:	1		Nominal core-barrel				
Type of container: bucket	liner bag jar	other	diameter 4.0"	EST. Volume .50gal/ft			
Liner Type: A(ctate	Vibracorer: (Push Corer)	Slambar	3.5"	.33gal/ft			
		Cor	nments				
Oil-Like Present NO	Extruder		to a march of the state of the				
Odor Present YES							
Photo Numbers	=						
B. Way 2020							

Pen	obscot River Me	rcury S	tudy - Phase	e III Engineering E	Evaluation
wood.			MENT CORE	LOG	
Owner: USDC	Projec	t No.: 3 (1720748	Q Logger: S. C	
Sub: WOOD ET IS None	WO:			Crew: SC,	
, 8w 9/22/20	Date: 9-17-24	י כ	Time: \9	SSD Vessel: N/	A
coordinates: Lat 44.56069	6 Long	-68.	764433		:0.140 Gal
Sampling Station: 788-28			Deploy No.	COST COST COST COST COST COST COST COST	I Location? YES
Veather: 15 4, Sun Winds: R		s: NU	A STATE OF THE PARTY OF THE PAR	The second second	Vater Temp: P/A
Measured Water Depth [NAVD88]	114		Core Per	netration Length (ft.):	0.95
Correction to NAVD88 (+/- ft. from NAVD88	1 —		Recovere	ed Core Length (ft.):	0.8%
Mudline (Corrected Depth) @ NAVD88			Sample L	ength Retained (ft.):	0.5 °
Study Depth (-NAVD88	-		Acceptable (Core (80% recovery):	10 1 9 2 to 18
Required Penetration Length	and the same of		Core Vo	lume Retained (gal.):	3.140
	l Length Measu	rements	s are in Deci	mal Feet	
Sample Interval (ft.)	Sample Id			Description	
Top 0 - 0.1	PBR-28-09 F	120_560	DarkBa	oun clay, s	surves: 1+,
	01925		not, od	U	
		720.50	Dark Br	own day, s	ione Silt
0.1-0.3		?	net, 08	KOC	
	(W1835	70 Cam			
0.3-0.5	PBR-28-0917	O-SED	DOU'L ISA	ounclay, Su	
	@1845		moist to	wet joder	ryanic-Sulf
0.5-0.87	NA		medium	roroun dai	1 high
0.5 0.0.	7017		plustic 4	to Currol 1+	006(4+0
			wet on	or organic-su	Grive
	60 91	170	300,1000	a agente so	(Fur the
Pottom		_			
Bottom					olumes
Number of containers:		le		Nominal core-barrel	EST. Volume
Type of container: bucke	The state of the s	jar	other	diameter 4.0"	.50gal/ft
Liner Type: Aletate	Vibracorer: Push Corer		Slambar	3.5"	.33gal/ft
			Con	nments	
Oil-Like Present NO	EXTU	des			
Odor Present	2	-			
Debris Present No					
Photo Numbers					
Photo Numbers					
0/22/2					

wood	Penobs	scot Riv	er Mercury	Study - F	Phase III Engi	neering	Evaluation
wood.		3			ORE LOG		
Owner: USDC			Project No.:		ula.	ogger: (LAUBACK
Sub: AS 1		- 1	wo: —				WEYER
	Da	te: 9/18	20	Time	e:1100 V	essel: R	IV TESUA
Coordinates: Lat 44.75	535	(Petakie	Long -68.	81499	3 11180 P	lan Volum	e: 0.140gal
Sampling Station: BO-9	54	· · · · · · · · · · · · · · · · · · ·		Deploy N	No. 1-4-	Sub-tid	al Location? No
Weather: OVERLASTISS Wind	s: 5-100	P/V	Waters: 0,5	-1.01	Traffic: NON	E	Water Temp: —
Measured Water Depth [NA	VD88]: 12	3	15-3	Core	e Penetration Le	ngth (ft.):	and a second of
Correction to NAVD88 (+/-	ft. from VD88):				overed Core Le		_
Mudline (Corrected Depth) @ NA		_			ple Length Reta		
Study Depth (-NA		_			ble Core (80% re		_
Required Penetration I		_	vil — II- III- W		e Volume Retain		
	All Lei	ngth Me	asuremen	Transfer and the same	ecimal Feet		
Sample Interval (ft.)	- 414		ole ld#			cription	The Standard
Bottom				Cl	9/18/20		
Number of containers: -						Core Vol	umes
	skot !	or bo-	T		Nominal core	-barrel	
Liner Type:		ner bag racorer:	(BOX)	other	diameter 4.0"		EST. Volume .50gal/ft
		h Corer		Slambar	3.5"		.33gal/ft
Live Organisms present —				Co	omments	· · · · · · · · · · · · · · · · · · ·	ACCURATION AND ADDRESS OF THE SECOND
Oil-Like Present — Odor Present —		NO R	ECOUPT 1	- ATTP	MOTEN OF	A) 1 1	J.T
Debris Present —		ACQI	NSI TION	WITH	MPTED SE BOTH BO	A COS	ES DVIU
Photo Numbers		PUS	H CORER			V COX	-22 1110
Photo Numbers B. NEVER 9/22/2020							

wood.	Pend	obscot Riv	er Mercury	Study - Pha	ase III Engi	ineering l	Evaluation		
W 000.			SEI	DIMENT COP	RE LOG				
Owner: USDC			Project No.: ?	36172074	186 L	ogger: CLA	UBAUK		
Sub: ASI		ľ	wo: —		<u>C</u>	rew: "B. I	WEYER		
		Date: 9/18	20	Time :	1102 V	essel: RV	TESLA		
Coordinates: Lat 44.7	-5528	7	Long-68	. 14921	_ P	lan Volume	: 0.140gal		
Sampling Station: $\mathcal{B}_{\!\scriptscriptstyle C}$	J-04		er conspicted legy of Samuras	Deploy No.	2 L	Sub-tida	Location? No		
Weather: OUPRUAST, 50s 1	Winds: 5-	-larph	Waters: 0.5	5'-1.0'	Traffic: NO	VE N	/ater Temp:		
Measured Water Dept	th [NAVD88]:	15.3	iosed schideless surviva surviv	Core P	enetration Le	ength (ft.):			
Correction to NAVD8	ST 10 E. ASS. FOR				ered Core Le		Clalcolor		
Mudline (Corrected Depth)	@ NAVD88:				e Length Reta	01 29 (00001.10	/1.010		
	h (-NAVD88):				e Core (80% r				
Required Penetra		B - 1			/olume Retain				
	All Length Measurements are in Decimal Feet								
Sample Interval	Sample Interval (ft.) Sample Id # Description								
Top									
				1					
		_ \				· + · · · · · · · · · · · · · · · ·			
			_	1					
				11 de	110				
				1 10	Olo				
				_					
					\				
		5							
					***		\		
↓									
Bottom									
Number of containers:						Core Vol	umes		
Type of container:	bucket	liner bag	jar	other	Nominal cor		EST. Volume		
Liner Type:	bacitat	Vibracorer:	, RO		4.0"		50gal/ft		
		Push Corer		Slambar	3.5"		.33gal/ft		
Live Organisms present				Con	nments				
Oil-Like Present Odor Present	_	1		W Con					
Debris Present		-NO	Kt co.	VERY;	HITTIN	10, BF	D KOCK		
Photo Numbers	V	1							
12	1,0/0								
	dio								

wood.	Pend	bscot Rive	er Mercury	Study - Pha	ase III Engi	neering l	Evaluation
WOOO .			SED	IMENT CO	RE LOG		
Owner: USDC		F	Project No.:	6172074	86 <u>Lo</u>	ogger: (. LAIBACK
Sub: ASI			NO:				DEF
		Date: 9[18]	20	Time:	1105 Ve	essel: 🎖 🚶	ITESUA
Coordinates: Lat 44.	7552	96 ı	ong -68	814858	B PI	an Volume	: 0.140gal
	-64			Deploy No.	3 L	Sub-tida	Location? NO
Weather: WPRLAST, 50x	Winds: 5 -	10mph	Waters: 0.5	-1.0	Traffic: NoN	$\in \mathbb{N}$	/ater Temp:
Measured Water Dept	h [NAVD88]:	15.31	te di saliko kalenda birin da sin da sin da salika	Core P	enetration Ler	ngth (ft.):	
Correction to NAVD8	8 (+/- ft. from NAVD88):			Recov	ered Core Lei	nath (ft.):	Childre
Mudline (Corrected Depth)					e Length Reta		/ 9/10/2
	(-NAVD88):				e Core (80% re		
Required Penetr		0.5		Core V	olume Retain	ed (gal.):	
	All	Length Me	asurement	s are in De	cimal Feet		
Sample Interval	STATES TO STATE AND ADDRESS.	Samp	All American Market Services		SUMMORES SANGE HEATING IN	cription	
Top							
				: 			
			1				
				01			
30-3-1-0				76	110		
				1/1/1	3/120		
					\		
					/		Salar Carlott Caracan
		-					
	MANUTE TELET						a (
Bottom						_	
					T	Core Vo	umes
Number of containers:					Nominal cor		EST. Volume
Type of container: Liner Type:	bucket	liner bag Vibracorer:	jar_	other	diameter 4.0"		.50gal/ft
		Push Corer		Slambar	3.5"		.33gal/ft
Live Organisms present				Cor	mments		AND SERVICE SPECIAL SECTIONS
Oil-Like Present		-NO B	ECOUPY	.Υ			
Odor Present Debris Present		-					
Photo Numbers		1					
Cl	Golada						
	1/10/00						
		1					

Wood. Penobscot River Mercury			Evaluation
SEI	DIMENT CORE		I IM D IN C II
	3617207486	Logger: C.	LKBACK
Sub: WO: —	Time : \\C		UTPSIA
Date: 7/18/20	1 ime : [[(V ICSUN
Coordinates: Lat 44. 755172 Long -68	. 814771	Plan Volume	e: 0,140gal
Sampling Station: BO-\$H	Deploy No. 4	Sub-tid:	al Location? NO
Weather: OVERLASTIBS Winds: 5-10mg/w Waters: 0.5	0 - \ . O \ Tra	affic: NONE J	Water Temp: -
Measured Water Depth [NAVD88]: 15.3	Core Pen	etration Length (ft.):	
Correction to NAVD88 (+/- ft. from	Danavara	d Coro Longth (ft):	161
NAVD88):		d Core Length (ft.): ength Retained (ft.):	19/18/60
Mudline (Corrected Depth) @ NAVD88:		ore (80% recovery):	/,
Study Depth (-NAVD88): Required Penetration Length:		ume Retained (gal.):	
All Length Measuremen	Carry Rolling Berne		
Sample Interval (ft.) Sample Id #	are in Decil	Description	
Top		<u> </u>	
	1)
		41	
	101		
	1001	100	
	4	(8)(C)	
		\	
1			
Bottom			
Number of containers:		Core V	olumes
Type of container: bucket liner bag jar		lominal core-barrel liameter	EST. Volume
Liner Type: Vibracorer: (BC	*)	4.0"	.50gal/ft
Push Corer	-Slambar	3.5"	.33gal/ft
Live Organisms present	Comr	nents	
Oil-Like Present Odor Present Debris Present Debris Present	01 D7 V		
Debits 1 lesert	OUC IC T		
Photo Numbers			
(2 18/20)			
di.c.			

wood.	Pe	nobscot R	liver Mercur	y Study -	Phase III En	gineer	ing Evaluation
			SE	DIMENT (ORE LOG		
Owner: USDC			Project No.:	36172071	186	Logger:	C. LAUBACK
Sub: ASI		-1	wo: ~				S. WEYER
	Magabagasa sayay	Date: 9 18	3/20	Tim	ie: 1115 (Vessel:	RIV TOSLA
Coordinates: Lat 44.	7054	70	Long -68	Control of the Contro	The state of the s	Plan Vol	ume: 0.140ga1.
Sampling Station: 07	The Second Street Second			Deploy			o-tidal Location? NO
Weather: OVEX (AST, 4)S	and the second of the second	-8moh	Waters: (),5		Traffic: NO	AND THE RESERVE OF THE PERSON NAMED IN COLUMN 1	Water Temp: —
Measured Water De	entievasta stretta		$(-i\omega_1+\omega_2)+a_1\Delta\omega_1+c_2M^2, \ \omega_1^2\omega_2+\ldots+\omega_M^2\omega_2^2$				HISTORY OF THE REAL PROPERTY.
Correction to NAVE)	J-2, 19.5	Cor	e Penetration L	_ength (ft	.):
**************************************	NAVD88			Red	overed Core L	ength (ft	.):
Mudline (Corrected Depti	h) @ NAVD8	8:		Sam	ple Length Re	tained (ft	.):
	oth (-NAVD88			Accepta	ble Core (80%	recover	/):
Required Pene	tration Lengt	n:	 -),	Cor	e Volume Reta	ined (gal	.):
	A	I Length N	1easuremen	ts are in D	Decimal Fee	t	
Sample Interval			nple ld#	Allen .		escription	Artin A Villa
Тор					4-14		
	e n	a same na	99.2 MINO 0 X 9	///	a a	-	era - eranamen
			a toy, colored with		en e s wo	# 190	0.000 year =0.3
	MI SEE I	**************************************			E 8	*-*	## * #################################
		2					
				2			(e) (i==015(25))
		-					
	#						\
			80 8 0 0 17	1 *************************************	555 - 0	F-1.754 J.H.	
Bottom							
			7-1				
Number of containers:	_	_	_	_	Nominal cor		Volumes
Type of container:	bucket	liner bag	jar	other	diameter	e-parrer	EST. Volume
_iner Type:		Vibracorer:	(BOX)	**************************************	4.0"		.50gal/ft
ngalara kanang	TOWNER.	Push Corer		Slambar	3.5"		.33gal/ft
Live Organisms present Oil-Like Present				Co	mments		
Odor Present	*	-ATT	EMPTED	3 DE	PLOYMEN	75 OF	BOX CORER
Debris Present		1	- 2				IOLUMES.
B. Welch		MIL	12 W 2 11	ICIEN	25 DIM	-141	0001100
2 WEYE	0						
9/22/20							
- 1		1					

wood. Penobscot R				ngineerin	g Evaluation
		DIMENT CO			1.1.5.1617
Owner: USDC	Project No.: 3	61+20+4	56		C. LAUBINCK
Sub: AS Date: 9 1	WO:	Timo	: 1120		WEYER
				CAN PROPERTY OF THE PARTY OF TH	/V TESLA
Coordinates: Lat 44. 705371	Long -68	. 83790	S	Plan Volu	me: 0.140gal
Sampling Station: 68-05		Deploy No	. 2	Sub-	tidal Location? ND
Weather: OVERCAST, 50s Winds: 5-8mph	Waters: 0.5	-1.0 '	Traffic: /\	ONE	Water Temp:
Measured Water Depth [NAVD88]: 15 , 2		Core	Penetration	Length (ft.)	:\
Correction to NAVD88 (+/- ft. from		Dane		I	: (4/18/20
NAVD88): Mudline (Corrected Depth) @ NAVD88:			vered Core		
Study Depth (-NAVD88):			le Length Rolle Core (80%		
Required Penetration Length: 0.5			Volume Ret		
	/leasurement		reduced to set it.		e and the second of the second
Para Mathematica de la companya del la companya de	mple ld#	s are in De	Consultation of the Consul	escription	
Top Sai	liple lu #	Maray Faul IV	L	escription	

	10	1 100			9
		1/19/10			
		,	·		W.S
			\		
			$\overline{}$		
			\		
1					
Bottom					
Number of containers:			T	Core V	/olumes
			Nominal c		
Type of container: bucket liner bag Liner Type: Vibracorer	The second secon	other	diameter 4.0'	ı	EST. Volume .50gal/ft
Push Core		Slambar	3.5'		.33gal/ft
Live Organisms present		Cor	nments		of the Books for the Income Joseph
Oil-Like Present	BURRICIE	AIT PF	COLPY	V	
Odor Present Debris Present	00111010	I PL	COUC	- 1	
Photo Numbers					
CN 18/00					
W//					

					200	
wood.	obscot Ri	ver Mercury			ngineering	Evaluation
0.021			DIMENT CO	W	1 0	IARNU
Owner: USD C			36172074	06		LAUBIAUK WEYER
Sub: <i>AS</i> /	Date: 9 18	wo:	Time :	1125	Crew: B Vessel: P	
W 1-C		Z = Stown				
Coordinates: Lat 44.7055	42	Long - 68				e: 0.140gal
Sampling Station: 0305			Deploy No.	3	Sub-tid	al Location? NO
Weather: 6VEXCAST, 50s Winds: 5	Nay 3-	Waters: 6.5	5-1.0	Traffic: N	IONE,	Water Temp: ——
Measured Water Depth [NAVD88]		8.84.2000 (1010, Ta.41) Properties at 10,000 (1020, 1020, 1020)	Core F	Penetration	Length (ft.):	
Correction to NAVD88 (+/- ft. from NAVD88)			. Recov	ered Core	Length (ft.):	Cl
Mudline (Corrected Depth) @ NAVD88	1		Sampl	e Length R	etained (ft.):	19118/0
Study Depth (-NAVD88)	:		Acceptable	e Core (80°	% recovery):	
Required Penetration Length	3		Core \	√olume Ret	tained (gal.):	
All	Length M	leasuremen	ts are in De	cimal Fe	et	
Sample Interval (ft.)	San	nple ld#		E	Description	
Тор						
	+					
			CCI	10/10		
			17	10100		
	1					
		V				2
♥ Bottom						
	 				Core Vo	dumes
Number of containers: ——			_	Nominal	core-barrel	
Type of container: bucket Liner Type:	liner bag Vibracorer:	jar	other	diameter 4.0	\u	EST. Volume .50gal/ft
Liller Type.	Push Core		Slambar	3.5		.33gal/ft
Live Organisms present	BANCON TO SPECIAL PROPERTY.		Cor	nments	endaviradese és entre ave	which care to restaurable to the training of the second
Oil-Like Present	1					
Odor Present Debris Present	-IN	SUFFICET	NT REC	OVERY		
Photo Numbers	1	E St				
Ch. No						
dis						
	1					

wood.	obscot River Mercury			Ciling Evaluation
		IMENT CORE L	No. of Concession, Name of Street, Name of Str	A D
Owner: $050c$		8617207486		er: C. LAUBACK
Bub: ASI	WO: —	- 1.20		B.WEYER
	Date: 9 18 20	7 Time :\\3	Vess	el: R/V TESUA
oordinates: Lat 44.705549	Long - 68.	837777	Plan	Volume: 0,140 gal
Sampling Station: 08 -05	agentin a state of the state of	Deploy No.		Sub-tidal Location? NO
Veather: 00 PLAST 50s Winds: 5-	-8mgh Waters: 0.5-	- (` Traffic	: NONE	Water Temp:
Measured Water Depth [NAVD88]:	14,3	Core Penetr	ation Lengt	h (ft.): 0,8
Correction to NAVD88 (+/- ft. from NAVD88):		Recovered	Core Lenat	h (ft.): 0.5
Mudline (Corrected Depth) @ NAVD88:		Sample Len		_\
Study Depth (-NAVD88):		Acceptable Core	(80% reco	overy): YES
Required Penetration Length:	0.5'	Core Volum	e Retained	(gal.): O. 140gal
All	Length Measurement	ts are in Decima	ıl Feet	
Sample Interval (ft.)	Sample ld #	eler Mine	Descrip	
Top O'N' O'N'	00-01	VERY DARK GRE	ENISHGE	EAYGLEY 13/10r)
0.0 - 0.1		CLASTIC SAI	105:07G	IMAL VERY PINE ANICRICH, TR VEGETA
	@1540	DETRITIS, AL	LUNUM	SLIG HTLY PLASTIC
CL 9/18/20	Class		01.0	1.4
1/18/00	118120		chy	1118/20
0.1-0.3	01-03	VERY DARK GR	EBNISH	GRAY (GLEY) 3/15GY)
10.1-0.5		VERY SENISFIN	E CLASTIC	GANIC WITH TRACE C SANDS, TRACE LARGE
	@1542	250(200-100)	KNIGTRE	FINES, ALLUVIUM,
el aligizo	01 9/18/20	SLIGHTLY PL	ASTIC	
1 3 4/10/00	V Viola		West-201	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
		6684 844	/ V	DIAL SURVINING
0.3-0.5	03-05	TRACE FINE AL	ND WEDIUM	3/2) SILTY CLAY WITH GRAINED CLASTIC SANDS
	05.05	TRACE FIBROL	S ROOT	-LIKE ORGAMIC
♦ Bottom		ALLUNUM	KLS MIN IC	-LIKE FINES, PLASTK
Bottom		1		Core Volumes
Number of containers: —	<u> </u>	Non	ninal core-b	parrel
Type of container: bucket	liner bag jar	other diar	neter 4.0"	EST. Volume .50gal/ft
Liner Type: ACETATÉ	Vibracorer: Push Corer	Slambar	3.5"	.33gal/ft
Live Organisms present No		Comme	nts	100 Table Park And
Cive Organisms present NO Oil-Like Present NO	1 2 2 1 2 1 2 1 1 1 1 1 1 1 1 1 1 1 1 1			- ONLY CONTE 100F
Odor Present NO	- DUPLICATE W	MONTHUNE D	115 45	-ONE ONE CORE
Debris Present NO	PUSHED IN 10	BOX COKE !	HAD EN	10UGH RECOVERY
Photo Numbers				
a WEYE 12020				
0:102	l .			

wood.	obscot Riv	er Mercury	/ Study - Ph	nase III Er	ngineer	ing Evaluation	
· · · · · · · · · · · · · · · · · · ·		SE	DIMENT CO	RE LOG			
Owner: USDC		Project No.:	36172074	86	Logger:	C. LAUBACK	
Sub: 1451	(wo:			Crew: B. WEYER		
	Date: 9 18	3 20	Time	: 1205	Vessel:	R/V TESLA	
Coordinates: Lat 44.614478)	Long -68	.830012		Plan Vo	lume: 0.140gal	
Sampling Station: FF-08-0	2		Deploy No		Su	b-tidal Location? NO	
Weather: OVERLAST, 503 Winds: 5-	8mph	Waters: 0.5	-1.0	Traffic: N	ONE	Water Temp: —	
Measured Water Depth [NAVD88]:	9.2	no angan ni Paga na Marin	Core	Penetration	Length (f	t.): 0.70	
Correction to NAVD88 (+/- ft. from NAVD88):						t.):0,62°	
Mudline (Corrected Depth) @ NAVD88:						t.): 0,5 '	
Study Depth (-NAVD88):						y). YES	
Required Penetration Length:	0.5					1.): 0.140	
All	Length Me	easuremen	ts are in De	cimal Fe	et		
Sample Interval (ft.)	1995	ole ld#		, D	escription	r 2007 (mail mail mail mail	
Top 0.0' - 0.1'	00 -	\bigcirc	OLIVE GRA	Y (54 4/2) CLAYE	Y SILT HETEROGRAPHY	
0.0	enell level 2	TOME NO	TRALE FI	BROUS O	RGANIC	ILT(ORGANICRICH) STRANDS.	
	@16	124	ALLUNG	M LON	PLAST	ncin	
0.1-0.3	01-	NZ	VERY DARI	L GREENIS	SH GRA	Y (GLEY 1 3/110Y)	
U.1-U.S	Ereme teral our o		SMALL FIB	ROUS ROOT	T-LIKE	WITH TRACE MATERIAL (0.05') RTI CULARD BIVALVE	
	@1	026	AND TR W	ood chip,	ONEA	RTICULATED BIVALVE	
	_		ALLUNC	IN 'MED	. PLAS	TCITY	
		na nama				nd a hermanismum	
0.3-0.5	03.	-05				(GLEY1 3/15GY)	
0.000			ROOT - LIKE	CRGANI	KHCE N	RY FINE PIBROOS MATERIAL, ONE	
	0/1	628	BIVALVE	FOUND (P	LISTICUS	LATE O) NO	
*			OBSERVE	TO WOOD	CHIP,	ALLUNUM,	
10 5 0 102		92 2 22 1 2 3 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	MED. PLA	STICITY	ALLUVII	M (GLEY 1 3/1 104)	
0.5'-0.62			SUTY CLA	y, HOMOG	EN OUS	TR WOOD CHP.	
Bottom			ONEARTICE	JIATED BI	VALUE,	TR WOOD CHP, MED. PLASTIC ALLUM	
Number of containers:	~	1.				Volumes	
ype of container: bucket	liner bag	jar	other	Nominal condition	ore-barre	EST. Volume	
iner Type:	Vibracorer:	BOX		4.0"		.50gal/ft	
ALETATE CLALIB	Push Corer		Slambar	3.5'		.33gal/ft	
Live Organisms present NO YES				nments		2	
Oil-Like Present NO	-TABLE	T DID NOT	T RECOR	D (0021	MAT	ES", WILL USE	
Odor Present YES Debris Present NO	GPS C	TANIDSOC	es colle	CTED BY	481°	ONBOARD	
THE RESIDENCE AND ADDRESS OF THE PARTY OF TH	GPS.		2				
EVEL							
Photo Numbers B. WE YEA							

wood.	obscot River Mercury	Study - Ph	ase III Eng	ineering	Evaluation
WOOO.	SEI	DIMENT CO	RE LOG		
Owner: USDC	Project No.:	361720748	36 L	ogger: C.	LAUBACK
Sub: AS 1	, wo:			rew: B.	WEYER
(A) Imparical Newsylvan Market and Market an	Date: 9 18 20	Time :	1205 V	essel: P	V TESLA
Coordinates: Lat 니니.ⓒ 시니구	8 Long -68,	83001Z		lan Volum	e: 0.140gal
Sampling Station: FF-08-C	2-DUP	Deploy No.	1	Sub-tid	al Location? NO
Weather: ONE KLAST, 50's Winds: ACL	9118 5-8MIN Waters: 0.5	:-1.01	Traffic: NDN	É	Water Temp: —
Measured Water Depth [NAVD88]:	9.2	Core F	Penetration Le	ngth (ft.):	0.65'
Correction to NAVD88 (+/- ft. from NAVD88):		Recov	ered Core Le	ength (ft.):	0.6
Mudline (Corrected Depth) @ NAVD88:			e Length Reta	The second second	0.5
Study Depth (-NAVD88):			e Core (80% r		YES
Required Penetration Length:	0.5'		/olume Retair		0.140gal
All	Length Measuremen	ts are in De	cimal Feet		
Sample Interval (ft.)	Sample Id #			cription	res New Piski
Top 0.0-0.1	00-01 C 1706	DAPIC OLI V ORGANIC-L ALLUVI UI	TKE FINES	3/2) CLP	KYEYSILT; ASTIC
0.1-0.3	01-03 @1708	SILT, HOMI ROOT-LIK SITELL H	OGENUUS, I EMATERIA MASH, MED,	TR. FINE L, TR. BI PLASTIC	ALLUNUM
0.3'-0.5'	03-05 @1710	TR WOOD (ACC ENOUS THR & BI-V	AMED PL	'i IOY) CLAYEY ASTIC, WITH ELL HASH
0.5`-0.6'		SLIGHTLYC	LAYEY SILT	T WITH EDCLAST	(GLEY 12,5/10Y) TAINIMAL IL SANDS, TRACE LLUMUM
CL 9 18 20 Bottom	CL9/18/20		CL 9/18	1/20	
Number of containers:	- G		Nominal core		30.5
Type of container: bucket	liner bag jar	other	diameter		EST. Volume
Liner Type: ACETATE	Vibracorer: Box	Slambar	4.0" 3.5"		.50gal/ft .33gal/ft
Live Organisms present NO	Carlot Barrier in the Carlot of Carlot and Carlot of Car		nments		
Oil-Like Present NO Odor Present YES Debris Present NO	-TABLET DID NO GAS COORDINI GAS.	T RECORD	COORDIN	ASI'S (ON BOAD
Photo Numbers B. WEVER alzelzozo	-SULPUR-LIN	LE 000	R INCR	EA SIN	UC, DOWN CORE

l Pan	obscot Piv	or Marcur	, Study Dk	ace III En	alna avla	e Evelvetie
wood.	iobscot itiv		DIMENT CO		gmeenn	g Evaluation
Owner: USDC			361720748	10.101111111111111111111111111111111111	Logger (-LAUBACK
Sub: AS 1	2007	WO:				- WEYER
1101	Date: 9/18	120	Time	1220		YN TESLIA
Coordinates: Lat 44.61855	15	Long -68	.856182		- P. Charlett F. L. Charlett	me: 0.140gal
Sampling Station: W~17~L	Was to the state of the state o		Deploy No	V-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1		idal Location? NO
Weather: OVERUNST, 50s Winds: 5-	7	Waters: 0.5	man a la savinga	Traffic:		Water Temp: -
Measured Water Depth [NAVD88]:	and the second second	Strang of Marian	and the state of the second	Penetration I	enath (ft.):	24/18
Correction to NAVD88 (+/- ft. from	ì					CL9/18
NAVD88): Mudline (Corrected Depth) @ NAVD88:	\$7			ered Core I		
Study Depth (-NAVD88):				e Length Re		
Required Penetration Length:	A = 1			e Core (80% /olume Reta		0
		acuraman				0.140gal
Control of the Contro			ts are in De	Mark Control of the C		
Sample Interval (ft.)	Samp	le ld #	OARK OLL	JEGPAN /	escription	UTVZIAV
0,0'-0,1'	00-		POOT-NAT	LIKE ANDO	LASTIC FI	MES, DENISE GMASSH PLANTS,
0.1'-0.3'	01-	03	DARK OLI	EGRAY (5 Y 3/2) 8	SILTY CLAY
	@17	35				INESSEDIMENT OT MATTING MARSH, PE
0.3-0.5		-05 137	MATRIX	LIKE AND I	SE ROOM	SILTY CLAY, = INES SEDIMENT I MATTING MARSH, Pt.
0.5`-0.8`		er is manageriana	DARK OLI	MEGRAY CLA	STICTINE	
CL 9 18 20 Bottom	crle	1/18/20			CL 9/18/	20
Number of containers:		/			Core Vo	olumes
Type of container: bucket	linor boo	<u> </u>		Nominal co	re-barrel	FOT 11 :
Liner Type	liner bag Vibracorer:	jar	other	diameter 4.0"		EST. Volume .50gal/ft
HCETATE . (Push Corer		Slambar	3.5"		.33gal/ft
Live Organisms present Oil-Like Present NO Odor Present YES ORGANIC Debris Present NO	-CODZD	1 ESTAUL	Con ZECOR DI	ments WIA	BLET	
Photo Numbers R. VEYER	-50LPL	R-LIKE C	DNI JOUR	LEIASES	Down(ORE

Pen Pen	obscot River Mercury	v Study - Pha	se III End	nineerin	g Evaluation
wood.		DIMENT COR		3	g Evaluation
Owner: VSDC		361720748		Logger: (LAUBACK
Sub: 451	, wo:			Crew: B	WEYER
The state of the s	Date: 9/18/20	Time:\	230	Vessel: P	V TESLA
Coordinates: Lat 44.618510	Long -69				me: 0.140ga1
Sampling Station: W-17 - 1	VIERTIDAL	Deploy No.	١	Sub-t	tidal Location? NO
Weather: OVERCAST, 503 Winds: 5-	Smph Waters: 6.5	-1.0\ T	Traffic: No	NE	Water Temp:
Measured Water Depth [NAVD88]:	istoria. A rasconiado comenio nativa difinate comen	Core Pe	enetration L	ength (ft.)	: O ₀ (₀ O
Correction to NAVD88 (+/- ft. from NAVD88):					:0,58
Mudline (Corrected Depth) @ NAVD88:			Length Ret		
Study Depth (-NAVD88):		Acceptable			11
Required Penetration Length:	A .	1			: 0.140
All	Length Measuremen				. 0.1 10
Sample Interval (ft.)	Sample Id #		- TV	scription	
Ton		VERY DAR	KGRAY	(5Y3)1) CLAYEY SILT.
0.0'-0.1	00-01	GRG ANIC-LI	KERICH	SOME	VERY FINE
	@ 1606	LOW PLAST	C ALLU	DON) CLAYEY SILT, VERYFINE WOOD CHP,
0.1'-0.3'	01-03	BLACK (54	2,5/1) CL	AYEY SIL	T. SOME VERY
0.1 -0.0	Committee to the control of the committee of the committe	DAPK BLUEB	BLACK LENS	ES (GLE	Y 2 2.5/15PB), LESENT, M
	@ 1608				
0.3 - 0.5	03-05	BLACK (5Y	2.5/1)	CLAYEY	SILT, ORGANIC- PLASTICITY,
	@1610	ALLUNUN	V, -	OWED	. revollerity
			0		
Challoles	- N		CC 9	/ .	
79/18/20	9/1			18/20	
1	18/20				
		10.000000000000000000000000000000000000			
Bottom					
Number of containers:	_ (Core V	olumes
Type of container: bucket	liner bag far		Nominal co	re-barrel	ECT Velvere
Liner Type:	Vibracorer:) Other o	diameter 4.0"		EST. Volume .50gal/ft
ACETATE (Push Corer	Slambar	3.5"		.33gal/ft
Live Organisms present YES		Comn			W. Tarana and A.
Oder Present NO	- COORDINATES	RECORDE	DW T	AB LC	Γ
Odor Present YES Debris Present NO		520 5 25			
Photo Numbers	-SUFUR-LIKE	DOOK INC	rease s	500W	N COKE
TEVEL					
13. WEYER 2020					

wood.	obscot River Mercu			neering Evaluation
		EDIMENT CO		
Owner: USDC	Project No.	:361720748		gger: C-LAUBACK
Sub: A31	, wo: -		Cr	ew: B. WEYER
	Date: 9 19 20	Time :	1360 Ve	essel:PVTESLA
Coordinates: Lat 44.505641	8 Long - 6	Time : 8,772 441	PI	an Volume: 0.140gal
Sampling Station: $W - (0 1 - 1 N)^2$		Deploy No.		Sub-tidal Location? NO
Weather: OVERUST, 50s Winds: 5-	8mph Waters: ()	5-10	Traffic: NON	Water Temp: —
Measured Water Depth [NAVD88]:	8.6	Core F	Penetration Ler	ngth (ft.): 🖰 , 🖟
Correction to NAVD88 (+/- ft. from		Recov	ered Corele	ngth (ft.): 0,55
Mudline (Corrected Depth) @ NAVD88:				ined (ft.): 0,5
Study Depth (-NAVD88):			e Core (80% re	11
Required Penetration Length:	A 5-1			ed (gal.): 0,140qal
All	Length Measureme	ents are in De	cimal Feet	The second secon
Sample Interval (ft.)	Sample Id #		. Desc	cription
Top 0.0'-0.1'	00-01	VERY DAR	KGRAY GY	BIDSILTY CLAY, ORGANIK TRITIS PINES, E FIBERS, LOWPLASTIC
	00-01	TR FINE	ROOT-LIK	EFIBERS, LOWPLASTK
	@1820	ALLION	OW	
0.1-0.3	01-03	VERY DAT	EKGIPAY (5	Y3/1) CLAYEY SILT
0.1-0.5	0103	WITH IN	DOD CHIP	NE CLASTIC SANDS, MINIMAL) TR 2007-LIKE
	@1827	LIBELS! T	OW PLATI	- nacoviory
0.3'-0.5	02-05	NEKY DA	RKGRAY (543/1) SILTY ORGANI
	@ 15 04	AND FIN	VE PLOOT LI	INIMAL WOOD CITIP
	@1824	MED. YL	ASIIC, AL	LONOM
0.5-0.55		1211 H (1	Z +TTILL YA	(54 3/1) SILTY - ORGANIN
00000		FINEL	ENSE OF	COARSE ANGULAR AT BOTTOMOP LOW PLASTICATION
	-	CLASTI	CSAND H	40 MOTTOCI TA
0.1	() ()	SEV. IN	11FICNIAC?	TOW THE HEALTON
CL 9/18/20	CL 9/18/20		_ (0)	9/18/20
Bottom	1		CC	1/18/00
			1	Core Volumes
Number of containers:	<u> </u>		Nominal core	e-barrel
Type of container: bucket	liner bag jar	other	diameter 4.0"	EST. Volume .50gal/ft
Liner Type: ACETATE	Vibracorer: Push Corer	Slambar	3.5"	.33gal/ft
		market from the contract of th	mments	
Live Organisms present NO Oil-Like Present NO	1			
Odor Present YES	-STRONG SULP	NC-LIKE GO		
Debris Present No				
Photo Numbers				
2.000				
122				

wood.	nobscot River Mercury	/ Study - Phase III E	ngineering	Evaluation	
	SE	DIMENT CORE LOG	;		
Owner: USDC	Project No.:	3617207486	Logger: C.	LABACK	
Sub: 451	wo:		Crew: B	WEYER	
Interpretation	Date: 1/8/20	Time: 1316	Vessel: R	V TESLA	
Coordinates: Lat 44.501420	Long -68	.775877	Plan Volum	1e: 0.140gal	
Sampling Station: SUF - O	en betreve state from the first and the effective of the energy of the effective of the energy of th	Deploy No.		lal Location?	5 BW
Weather: OVERLAST, SOS Winds: 5	8 Mo Waters: 0 . 5	Traffic: N	IONE	Water Temp: ~	9/24/20
Measured Water Depth [NAVD88]	42.3	Core Penetration	Length (ft.)		
Correction to NAVD88 (+/- ft. from	1			0/10/	
NAVD88)		Recovered Core		1/0/20	
Mudline (Corrected Depth) @ NAVD88 Study Depth (-NAVD88)		Sample Length F			
Required Penetration Length	1	Acceptable Core (80 Core Volume Re			
Sample Interval (ft.)	Length Measurement Sample Id #			. Elen Sign Mass	
Top (it.)	Sample id #		Description	TEMESE TORKY	
			1 251 3		
		2	2 G 3	TORREST THE STATE OF	
	(19	10/2			
		10/0			
			4 h W 10 h		

			·		
Y					
	ARREST TO SERVICE ST		SHESHI SCI	\	
♦ Bottom					
DOMOTT					
Number of containers:	-	Nominal	Core Vo	lumes	
Type of container: bucket	liner bag jar	other diameter		EST. Volume	
Liner Type: NA	Vibracorer: Push Corer	Slambar 3.5		.50gal/ft .33gal/ft	
Live Organisms present —		Comments	White and the second second	.oogai/it	
Oil-Like Present —	レコペニのモクラー				
Odor Present — Debris Present —	-DROPPED BOX	COKE NEXT TO	NERKE	ATOID ICE	
	LOCATION	MATES WILL B	F OFT F	KOLOSEN	
Photo Numbers B. WEYER A 22 2010	-NOT ENOUG	H RECOVERE	DSEDIA	A BOUT	
B. W. 102 200	HONLY 2	OF RECOVER	Y		
9/2		Ser Property		and the same of th	

wood.	Pen	obscot Riv	er Mercury	Study - Ph	ase III E	ngineering	Evaluation	
W000.			SED	IMENT CO	RE LOG			
Owner: VSDC			Project No.:	361720741	86	Logger: 🖰.	LAUBACK	
Sub: ASI		Ī. a	wo: —		1000	Crew: B. W	JEYER	
7,00		Date: 9/18	reason and Physics and No.	SET THE PARTY OF T	1320	Vessel: P) TESLA	
Coordinates: Lat 44.50	352	SOF Ware sent from	Long ~68.	775870		Plan Volume	: 0.140gal	
Sampling Station: SVE	-01			Deploy No.	2	Sub-tida	I Location?	
Weather: OVERCAST 50s Wi	nds: 5	Ham8-	Waters: 6.5	`	Traffic: N	IONE V	Vater Temp: —	
Measured Water Depth [NAVD88]:	33.9	sal magazio a lubbilitata di Ching Lub	Core F	Penetration	Length (ft.):		
Correction to NAVD88 (0 20	Length (ft.):	CC 9/1	
Mudline (Corrected Depth) @	NAVD88:					Retained (ft.):	1/8/20	
Study Depth (-	NAVD88):			Acceptable	e Core (80°	% recovery):		
Required Penetration	on Length:	0.51		Core \	/olume Re	tained (gal.):		
	All	Length Me	asurement	s are in De	cimal Fe	et		
Sample Interval (ft.)	Samp	le ld#	See See See		Description	经证明的 是数据	
1 op				I.,				
			ñ					
						i e		
					1			
				1	Col			
				_	1/18	12		
					7,0	120		
			2		·····			
↓								
Bottom					***			
Number of containers:	~~~			-		Core Vol	umes	
III.	bucket	liner bag	jar	other	Nominal of diameter	core-barrel	EST. Volume	
Liner Type:		Vibracorer:	POX)		4.0)" .	50gal/ft	
A CONTRACTOR OF THE CONTRACTOR	Talan Pana Bas	Push Corer	PATRIC PROPERTY OF THE PARK	Slambar	3.5	5" .	33gal/ft	
Live Organisms present				Con	nments	A CONTRACTOR OF THE CONTRACTOR		
Oder Present		· · · ·	FALOUG	AH DEC	NDR 1	Y-ONL	Y N3"	
Odor Present Debris Present		-101	E1000	J11 PCC	_0 VO F	(
		OFS	EDIWEV	1.1				
- NET								
Photo Numbers B. WEYER 9 22 1020								

QL CHECK BY B. WEYER 9/22/2020

wood.	Pen	obscot Rive	er Mercury	Study - Ph	ase III Engi	ineering	Evaluation
				IMENT CO	THE RESERVE OF THE PARTY OF THE	6	= 1216
Owner: USDC			Project No.: 3	617 2074 8			LAUBACIC
Sub: AS1			WO:		And the second second	rew: B. N	0
	MESON SERVICE	Date: 918					v TESLA
Coordinates: Lat 44.5	01282		Long - 68.	775869	P	lan Volume	:: 0.140
Sampling Station: SV	E-01			Deploy No.	3	Sub-tida	al Location? NO 15
Weather: OVERUAST, 50s	Winds: 5-	8mph	Waters: 0.5		Traffic: NO	NE V	Vater Temp:
Measured Water Dept	h [NAVD88]:	35.81		Core F	Penetration Le	ngth (ft.):	4
Correction to NAVD8				Pacov	ared Corella	anath (ft):	0.40
Mudia - (Carrented Donth)							3/6
							5/3
		0.51					6
Measured Water Depth [NAVD88]: 35. S Core Penetration Length (ft.): Correction to NAVD88 (+/- ft. from NAVD88): Mudline (Corrected Depth) @ NAVD88: Study Depth (-NAVD88): Required Penetration Length: Core Volume Retained (gal.): All Length Measurements are in Decimal Feet Sample Interval (ft.) Sample Id # Description							
Sample Interval (no a lifeti di Sieria.	A SELECTION OF THE SECOND	The service of the service of		May A Selection of Sec.		100 ph - 100 pm
	icj	Camp	O TO THE SEQUENCE ASS.	2-33-14-W-CH-1/-32-32		<u> </u>	
							x == > =========
							E SECRETAL PROBLEMS OF THE SEC
			101	1			
			VL	9/10/	h n n valleys		
				110/20)		
					_		
Bottom							
Number of containers:						Core Vo	lumes
Manager (Manager Control of the Cont	hughet	linor had	lor	other	Nominal cor		EST. Volume
Type of container: Liner Type:	bucket	liner bag Vibracorer:	jar (BOX	Other	diameter 4.0"		.50gal/ft
Linoi Typo.		Push Corer		Slambar	3.5"		.33gal/ft
Live Organisms present					nments		
Oil-Like Present -		-1450	FPI CIEN	T RECO	VERY		
Odor Present Debris Present				10 May 1 - 150			à
aler	0						
Photo Numbers							

wood.	ot River Mercury	Study - Pha	se III Engineering	g Evaluation
*****	SED	IMENT COF	RE LOG	
Owner: USDC	Project No.: 3	66172044		LABACK
Sub: ASI	wo: -		Crew: B.	The second secon
Date:		Time : \		IV TESLA
Coordinates: Lat 44,501226	Long -68.7	176081	5-17-1804/21512/W7/F	ne: 0.140gal
Sampling Station: SVE-O(Deploy No.	4 Sub-ti	dal Location? NO
Weather: OVERCASTED Winds: 5 8mp	n Waters: 0₀5	5 \-1.0\	Traffic: NONE	Water Temp:
Measured Water Depth [NAVD88]: 36	્રિ	Core Po	enetration Length (ft.):	
Correction to NAVD88 (+/- ft. from NAVD88):		Recove	ered Core Length (ft.):	C/
Mudline (Corrected Depth) @ NAVD88:			Length Retained (ft.):	-01
Study Depth (-NAVD88):		Acceptable	Core (80% recovery):	110120
Required Penetration Length:	.51	Core V	olume Retained (gal.):	
All Leng	th Measurement	s are in Dec	cimal Feet	
Sample Interval (ft.)	Sample Id#		Description	
Top				
			The second secon	
	=			
	<u></u>			
		L 9/101		
		9/18/20		**
		1.00		
		-		
			_	
				\
Bottom				
			Core \	/olumes
Number of containers:			Nominal core-barrel	EST. Volume
	er bag jar acorer: (BOX	other	diameter 4.0"	.50gal/ft
Push	Corer	Slambar	3.5"	.33gal/ft
Live Organisms present	HER THE PERSON OF THE PERSON OF THE PERSON OF	Con	nments	
	MINTE TO	IT REYN	PZY	
Odor Present —	MSUFFICIEN	AI ICECO	VI-1 1	
Debris Present —				
THOLO HUMBORS				
B. WEYER 2020				

wood.	nobscot Rive	er Mercury	Study - Ph	ase III Engir	eering	Evaluation	
WOOO .		SED	IMENT CO	RE LOG			
Owner: USDC		Project No.:3	61720748	· ·		LAIBALK	
Sub: A51	Date:	18/20	Time :	2-11	ssel: R	V JESLA	
Coordinates: Lat 44.501375		Long -68 .	7 <i>75</i> 840	Pla	ın Volum	e:0.14 Ogal	60.
Sampling Station: SVE-O1	Contractor and the contractor an	i - 112=2 p=+150000= 10 st	Deploy No	5 C	Sub-tid	al Location? 40	BW
Weather: 0VEYUST, Sk Winds: 5	-8mph	Waters: 0,5	1.00	Traffic: NON	IC I	Water Temp:	
Measured Water Depth [NAVD88	37.0	Company of the state of the sta	Core I	Penetration Len	gth (ft.): 7	5" = 0.4 Ft	
Correction to NAVD88 (+/- ft. fro	m		Recov	vered Core Len	gth (ft.): <u>'</u>	5"= 0.4ft	
Mudline (Corrected Depth) @ NAVD8			Samp	e Length Retair	ned (ft.):	0.4	
Study Depth (-NAVD8	3):		Acceptabl	e Core (80% re	covery):		
Required Penetration Length	h: 0.5'		Core '	Volume Retaine	ed (gal.):	0.117gal	
A	II Length Me	asurement	ts are in De	cimal Feet			
Sample Interval (ft.)	and the second second second second	le ld#	SANTE AND	AND THE RESERVE OF THE PARTY OF	ription		
Top							
		2					
					0(4)4)		
			Or al	ī			
			VC 7/1	8/2-			
			10	120			-
							1 (
							1
					/		-
▼ Bottom							
			 	1	Core Vo	olumes	-
Number of containers: ——	-			Nominal core			
Type of container: bucke		jar	other	diameter 4.0"		EST. Volume .50gal/ft	-
Liner Type: ACETATE	Vibracorer: Push Corer	DOX)	Slambar	3.5"		.33gal/ft	1
THE RESERVE OF THE PERSON OF T	The American Programme	SAME TO SERVICE STATE OF THE S	to astronomica. State into	mments			7
Live Organisms present — Oil-Like Present —			00	minomo			O-Participation of the Control of th
Odor Present —							
Debris Present	-DF(c	NEVED	SOME	SEDIMI	ENT-	DID	
Photo Numbers	- pc ()	IFIT	ONIT	Y DTATE	COPF	WITHONLY	
B. weren						DUL NOTALE	7

l Penc	bscot Rive	er Mercury	Study - Pha	se III En	gineering	Evaluation	
wood.			IMENT COR				
Owner: USDC Sub: NS		Project No.: 3	6172074	86	Logger: Crew: B.	NEYER	
17()	Date: 9 18 2	20	Time :	1330	Vessel: R	VTESLA	
Coordinates: Lat 44.500332	722-102-5 000-5 000-000-000-000-000-000-000-000	_ong <i>— 6</i> 8	745456	PART EXPOSED DATE	Plan Volum	e: 0.140gal	2 1 9 22/20
Sampling Station: SVF-OI			Deploy No.	6	Sub-tid	al Location?	BW 9 ZEZO
Weather: OFFICAST, 705 Winds: 5	-8mph	Waters: 0.5	-1.0	Traffic: N	ONE	Water Temp: -	
Measured Water Depth [NAVD88]:	37.2	ac.yc. 2 - 2 - 2 - 2 - 2 - 2 - 2 - 2 - 2 - 2	Core Pe	enetration l	Length (ft.):		
Correction to NAVD88 (+/- ft. from NAVD88):			Recove	red Core	Length (ft.):		
Mudline (Corrected Depth) @ NAVD88:					etained (ft.):	Chali	
Study Depth (-NAVD88):			Acceptable	Core (80%	recovery):	118/20	
Required Penetration Length:	0.5'		Core Vo	olume Reta	ained (gal.):	- Marie San Marie Sa	
All	Length Me	asurement	s are in Dec	imal Fee	et		
Sample Interval (ft.)	Samp	le ld#		D	escription	海 国体 无规则是	
Тор		7					
					H K-0-0-0	NA EE E ssaard	
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	: ====================================					An artist personal collection in a	
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				100	- 4/10/2		
	The state of the s				Ug Zi	0	
					_		-
\							
Bottom		,					
Number of containers:				Magair - I	Core Vo	olumes	-
Type of container: bucket	liner bag	iar	other	diameter	core-parrei	EST. Volume	
Liner Type:	Vibracorer:	(BOX)		4.0		.50gal/ft	
e de la companya de	Push Corer	PANEL BETTE SHOW HAVE	Slambar	3.5		.33gal/ft	=
Live Organisms present Oil-Like Present				ments			
Odor Present	- PROPO	sed Loc	ATION			2	
Debris Present	NO	FNO	JUH RET	OVER	y-HA	D A PEW	
Photo Numbers	INC	HES OF	SED - RO	CKYP	IECES	INSAMPLER	
B. Wales			0-0	V			

wood.	obscot Riv	er Mercury			ngineering	Evaluation
.,			IMENT CO			
Owner: VSDC		Project No.: 3	3617207	486		LAUBACK
Sub: ASI	-4	WO:			Crew: B.W	
1(0)	Date: 9 18	20	Time	:1340	Vessel: 🖺	1 TESLIA
Coordinates: Lat 44,501730		Long -68.	774940		Plan Volume	e: 0.140gal
Sampling Station: SUE -01		Charles Without and	Deploy No	o. 7	Sub-tid:	al Location? NO
Weather: OVERCAST 50s Winds: 5	Namb-	Waters: 0,5	-1.0	Traffic:		Water Temp: ——
Measured Water Depth [NAVD88]	C C C	den was like the state of the p	Core	Penetration	Length (ft.):	\
Correction to NAVD88 (+/- ft. from NAVD88);	Reco	vered Core	Length (ft.):	0111
Mudline (Corrected Depth) @ NAVD88					etained (ft.):	4/18/20
Study Depth (-NAVD88					% recovery):	/
Required Penetration Length	1 - 1				ained (gal.):	/
Al		easurement	s are in De	ecimal Fe	et	
Sample Interval (ft.)	A SECULIAR DESCRIPTIONS	ple ld#			Description	
Fop					ACCOUNT OF THE PARTY OF THE PAR	
		THE LOW CAN LOW				
		· · · · · · · · · · · · · · · · · · ·			X. W	
			0.1		11-1-1	1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1
		_	L CL	1		
				4/18/20	9	
				1101		
					_	
			(0)			
					lana —	
♦ Bottom						
Number of containers:	T				Core Vo	lumes
	- Lines has	1	- Julian		core-barrel	EST. Volume
Type of container: bucket Liner Type:	liner bag Vibracorer:	Jar Bo	dther	diameter 4.0)"	.50gal/ft
7. 7.6.7	Push Corer		Slambar	3.5		.33gal/ft
Live Organisms present			Co	mments		SAMPANOS ANTEST WAS ESTABLISHED AND A MARKET AND A SAMPANOS AND A
Oil-Like Present					025	
Odor Present Debris Present	-IN ?	SUFACIE	ENT RA	COLAT	RY	
Photo Numbers	1		- I FC		₹/) 3.	
	1					

wood.	nobscot Riv		Study - Ph		ering Evaluation
Owner: USDC			3617207L		er: C.LAUBIACK
Sub: ASI		WO:	06172012		BUEYER
22. 1/21	Date: 918		Time :	1) /	H: RUTESLA
Coordinates: Lat 44.50156	WHEN THE PARTY OF	pristales populations		NOTES AND SALES AND ADDRESS OF THE PARTY OF	
	Medical and some sta	Long -00	.775047	The state of the s	/olume: 0.140gal
Sampling Station: SVE - O\			Deploy No.	/V -	Sub-tidal Location? NO
Weather: WENGST, 50s Winds: 5-	8000 h	Waters: 0.5	`-1.0°	Traffic: NONE	Water Temp: —
Measured Water Depth [NAVD88	38-2,3-	1.8	Core F	enetration Length	(ft.): 0.60
Correction to NAVD88 (+/- ft. fro NAVD88			Recov	ered Core Length	(ft.): 0,55
Mudline (Corrected Depth) @ NAVD8	8:			e Length Retained	4 (
Study Depth (-NAVD88	3):			e Core (80% recov	
Required Penetration Lengt	h: 0.5 ¹		Core V	olume Retained (gal.): 0.140qa1
A	II Length Me	easuremen	ts are in De	cimal Feet	
Sample Interval (ft.)	Samp	ole ld#		Descript	ion
Top 0.0 -0.1'	00-		DARK TO VE SILT, TRA	FRY DARKGRAY	(54311) CLAYEY NE ROOTLIKE ASTIC, ALLUNUM
	@18	42			
0.1-0.3	01-	03	DARKCIR	ANY BY 5H CL911	B (5Y311), CLAYEY
00000	@18		A) 1130110	M	B (5Y 311), CLAYEY R FIBROUS, PINE KS, LOW PLASTIC
0.3'-0.5'	03	-05	DARKG	RAY (54 3/1) S	ILTY CLAY, WITH IP, MED PLASTIC
	@ 18	346			
0.5-0.55		_	DARKGR	AY (5 Y 3/1)	CLAYEY SILT
000 000			WELL SOY	STED SAND-	PINECUASTIC COARSENING CHP(MINIMAL)
		01	LOW PLA	STIC ALLI	MUM
Cr Malzo	-	9/18/20			
Alles		1110/20			
Bottom					NATE OF THE OWNER O
Number of containers:	-	6	_	Co Nominal core-bar	re Volumes
Type of container: bucket	liner bag	jar	other	diameter	EST. Volume
Liner Type:	Vibracorer:	(BO)		4.0"	.50gal/ft
ACETATE	Push Corer		Ślambar	3.5"	.33gal/ft
Live Organisms present NO	-		Com	ments CL9/18	
Oil-Like Present NO Odor Present YES	-MOIM	S OT O	ECON D -	107 B10	TA TRAP
Debris Present NO					
Photo Numbers					3D. VOLUMES.
Photo Numbers	-DEPLOY	MENT 8	HAD DUA	PICIENT SE	DIMBNITO THIS FORM ES DOWN CORF
9/24	THOCE	BITY	FSUE	PAGOLA	ES DOWNICARE

Weather: APPLAST SIX Winds: 5-8mgh Waters: 0.5'-1.0' Traffic: NONE Water T Measured Water Depth (NAVD88): SC-16 SG.3 Core Penetration Length (ft.): Correction to NAVD88 (+/-ft. from NAVD88): Recovered Core Length (ft.): Study Depth (-NAVD88): Acceptable Core (80% recovery): Required Penetration Length: 0.5' Core Volume Retained (gal.): All Length Measurements are in Decimal Feet Sample Interval (ft.) Sample Id # Description Number of containers: Decimal Feet Nominal core-barrel diameter Type of container: bucket liner bag jar other diameter EST. Vibracorer: Sambar 3.5" .33gal. Live Organisms present Oli-Like Present Odor Present Oli-Like Present Odor Present Odor Present NEW Yorganisms present Comments Core Volumes Nominal core-barrel diameter EST. Vibracorer: Slambar 3.5" .33gal. Comments Comments	wood	Penobsc	ot Rive	er Mercury	Study - I	Phase III E	ingineering	g Evaluation
Sub: AS Date: 9 18 20 Time: HOS Vessel: R VTES Coordinates: Lat HH. 5 5 7 87 Long -68 7978 12 Plan Volume: 0, I- Sampling Station: O - Deploy No. Sub-tidal Locat Weather: PVPK(AST, S) Winds: 5-8Mph Waters: 0.5'-1.0' Traffic: NONE Water T Measured Water Depth (NAVD88): Recovered Core Length (ft.): Correction to NAVD88(+-ft. from NAVD88): Recovered Core Length (ft.): Mudline (Corrected Depth) @ NAVD88: Sample Length Retained (ft.): All Length Measurements are in Decimal Feet Sample Interval (ft.) Sample Id # Description Number of containers: Decimal Feet Sample Interval (ft.) Sample Id # Description Number of containers: Ducket liner bag jar other diameter SType of container: Ducket Stambar 3.5' 33gal Live Organisms present Oli-like Present Odor Present Comments Comments Comments Comments Comments Comments Comments	WOOO .			SED	IMENT C	ORE LOC	}	
Date: 9 18 20 Time: 1405 Vessel: R TESL Coordinates: Lat 44.5 5 5 8 7 8 Long - 68, 79 7812 Plan Volume: 0, 14 Sampling Station: 0 - 6 Deploy No. Sub-tidal Locat Weather: 0/PK(NT, 5) Winds: 5-8/W Waters: 0.5'-1.0' Traffic: NONE Water T Measured Water Depth (NAVD88): Scape CL9/6	wner: USDC		ı	Project No.:3	6172074	86	Logger:C-	LAUBACK
Coordinates: Lat 44.5[57.87 Long -68.797812 Plan Volume: 0, 14.5 Sampling Station: 0] - 61 Deploy No. Sub-tidal Locat Weather: PUPE (NST 50) Winds: 5-8 Mg) Waters: 0.5'-1.0' Traffic: NONE Water T Measured Water Depth (NAVD88): \$2.9'(6.5') Core Penetration Length (ft.): Correction to NAVD88 (+/- ft. from NAVD88): Sample Length Retained (ft.): Recovered Core Length (ft.): Sample Length Retained (ft.): All Length Measurements are in Decimal Feet Sample Interval (ft.) Sample Id # Description All Length Measurements are in Decimal Feet Sample Interval (ft.) Sample Id # Description Number of containers: Decimal Feet Sample Interval (ft.) Sample Id # Description Number of containers: Noninial core-barrel diameter Type of container: Decimal Feet Sample Interval (ft.) Sample Id # Description Number of containers: Sample Id # Description Number of containers: Noninial core-barrel diameter Liner Type: Vibracorer: Slambar 3.5" 33gal Live Organisms present Oli-Like Present Odor Present Odor Present Comments	ub: ASI							
Coordinates: Lat 44.5[57.87 Long -68.797812 Plan Volume: 0, 14.5 Sampling Station: 0 - 61 Deploy No. Sub-tidal Locat Weather: PURY (NST, 50) Winds: 5-8 No. Waters: 0.5'-1.0' Traffic: NONE Water T Measured Water Depth (NAVD88): \$2.9'(6.5') Core Penetration Length (ft.): Correction to NAVD88 (*/- ft. from NAVD88): Sample Length Retained (ft.): Mudline (Corrected Depth): @ NAVD88: Sample Length Retained (ft.): All Length Measurements are in Decimal Feet Sample Interval (ft.) Sample Id # Description Pop Bottom Number of containers: Decket liner bag jag other diameter EST. \ Type of container: Ducket liner bag jag other diameter EST. \ Liner Type: Vibracorer: Slambar 3.5" 33gal Like Organisms present Odor Present Odor Present Odor Present Odor Present Odor Present Odor Present Comments		Date:	9/18/2	20	Tim	ne : 1405	Vessel: R	V TESLA
Weather: DVPC(AST, SDS Winds: 5-8Mph Waters: 0.5'-1.0' Traffic: NONE Water T Measured Water Depth (NAVD88): SC 1-9 (18 5 (6.3 S S S S S S S S S	pordinates: Lat 44.51	5787		Long –6 8.	797812			ne: 0,140ga1
Measured Water Depth (NAVD88): Correction to NAVD88 (**- ft. from NAVD88): Mudline (Corrected Depth) @ NAVD88: Study Depth (NAVD88): Required Penetration Length: O . 5 Core Volume Retained (ft.): All Length Measurements are in Decimal Feet Sample Interval (ft.) Sample Id # Description Nominal core-barrel Nominal core-barrel Liner Type: Vibracorer: Oi-Like Present Odor Present Corre Volume Recovered Core Length (ft.): Acceptable Core (80% recovery): Core Volume Retained (gal.): Description O . 5 Core Volume Retained (gal.): Description O . 5 Nominal core-barrel diameter EST. \ 4.0' .50gal 3.5' .33gal	ampling Station: OL ~	Ø١	- medicine uson		Deploy	No. (Sub-tio	dal Location? VES
Recovered Core Length (ft.): NAVD88: NAVD88: Mudline (Corrected Depth) @ NAVD88: Study Depth (-NAVD88): Required Penetration Length: All Length Measurements are in Decimal Feet Sample Interval (ft.) Sample Id # Description Description Description Number of containers: Type of container: Liner Type: Oil-Like Present Oil-Like Present Oil-Like Present Oil-Like Present Oil-Description Recovered Core Length (ft.): Sample Length Retained (ft.): Acceptable Core (80% recovery): Core Volume Retained (gal.): Acceptable Core (80% recovery): Core Volume Retained (gal.): Description Description Core Volumes Nominal core-barriel diameter EST. Vibracorer: Push Corer Slambar Comments Oil-Like Present Odor Present	/eather: 0VER(AST, 50s Wir	ids: 5-8mph		Waters: 0.5\ -	-1.0	Traffic: N	MONE	Water Temp: —
Recovered Core Length (ft.): NAVD88: NAVD88: Mudline (Corrected Depth) @ NAVD88: Study Depth (-NAVD88): Required Penetration Length: All Length Measurements are in Decimal Feet Sample Interval (ft.) Sample Id # Description Description Description Number of containers: Type of container: Liner Type: Oil-Like Present Oil-Like Present Oil-Like Present Oil-Like Present Oil-Description Recovered Core Length (ft.): Sample Length Retained (ft.): Acceptable Core (80% recovery): Core Volume Retained (gal.): Acceptable Core (80% recovery): Core Volume Retained (gal.): Description Description Core Volumes Nominal core-barriel diameter EST. Vibracorer: Push Corer Slambar Comments Oil-Like Present Odor Present	Measured Water Depth [N	VAVD88]: 58	CL9/18	56.3	Cor	e Penetratio	n Length (ft.):	
Study Depth (-NAVD88): Required Penetration Length: All Length Measurements are in Decimal Feet Sample Interval (ft.) Sample Id # Description Bottom Number of containers: Type of container: Liner Type: Vibracorer: Oil-Like Present Oil-Like Present Odor Present All Length Measurements are in Decimal Feet Sample Id # Description Care Volume Retained (gal.): Core Volume Retained (gal.): Core Volume Retained (gal.): Core Volume Retained (gal.): Description Core Volumes Nominal core-barrel diameter EST. V. 4.0" .50gali Push Corer Slambar 3.5" .33gali Comments Oil-Like Present Odor Present Comments	Correction to NAVD88 (+	·/- ft. from			Red	covered Cor	e Length (ft.):	CC9/10/
Required Penetration Length: 0.5 Core Volume Retained (gal.): All Length Measurements are in Decimal Feet Sample Interval (ft.) Sample Id # Description Popularia Sample Interval (ft.) Description Bottom Number of containers: Sample Id # Description Number of containers: Sample Id # Description Core Volumes Nominal core-barrel diameter Sample Interval (ft.) Sample Id #	Mudline (Corrected Depth) @	NAVD88:			Sar	nple Length	Retained (ft.):	roko
All Length Measurements are in Decimal Feet Sample Interval (ft.) Sample Id # Description Current Sample Id # Description Core Volumes Number of containers: Type of container: Ducket liner bag jar other diameter Type of container: Liner Type: Vibracorer: Push Corer Slambar Slambar Slambar Signal Comments Odir Present Odor Present Odor Present	Study Depth (-N	NAVD88):			Accepta	able Core (80	0% recovery):	
Sample Interval (ft.) Sample Id # Description Out 18 20 Description Out 18 20 Description Out 18 20 Required Penetratio	n Length:	0.5	•	Cor	re Volume R	etained (gal.):		
Bottom Number of containers: Type of container: bucket liner bag jar other diameter Liner Type: Vibracorer: Push Corer Slambar 3.5" .33gal. Live Organisms present Oli-Like Present Odor Present Odor Present Odor Present	A SA	All Leng	gth Me	asurement	s are in	Decimal F	eet	
Bottom Number of containers: Type of container: Liner Type: Vibracorer: Push Corer Slambar Live Organisms present Oll-Like Present Odor Present Odor Present	Sample Interval (ft.)		Samp	le ld#			Description	000
Type of container: bucket liner bag jar other diameter EST.\ Liner Type: Vibracorer: Box 4.0" .50gal/ Push Corer Slambar 3.5" .33gal/ Live Organisms present Oil-Like Present Odor Present Odor Present					<u>C</u> L	9/18/20	Core V	olumes
Vibracorer: Sox 4.0" .50gal/							- Sander Control Control	ECT Values a
Push Corer Slambar 3.5" .33gal/ Live Organisms present Comments Oil-Like Present Odor Present - INSUFFICIENT RECOVERY	The second secon	The state of the s	THE RESERVED OF THE PARTY OF TH	(ROV)	other			EST. Volume .50gal/ft
Live Organisms present Comments Oil-Like Present Odor Present - INSUFFICIENT RECOVERY	ег гуре.			w.v	Slambar			.33gal/ft
Oil-Like Present — - INSUFFICIENT RECOVERY	AND ASSESSMENT OF THE PARTY OF		CALLS STATES	AND THE PROPERTY AND		Comments		
	Oil-Like Present —		10. FC	CLOUT	DECO	UPD V		
	Odor Present Debris Present							TI ADE
		_	12"	OF SEDII	MENTC	OLLEC	IFDIN BO	DXCOKC
Photo Numbers p - NZ OF SEDIMENT COLCECTER PORCE - SANDY GRAVELLY WI SOME ROCK COR	B. WEYE 202	0 -	SAN	IDY/GRA	WELLY	w/ som	E ROCK	COBBLES

wood.	Pen	obscot Riv	er Mercury	Study - Pl	nase III Er	ngineering	g Evaluation
WOOO .			SED	IMENT CO	DRE LOG		
Owner: VSDC			Project No.:	66172074	86	Logger: C	LAUBHUK
Sub: ASI		- 1	wo: —			Crew: B. I	WEYER
	5.水金融 1.4 年 16 7 日	Date: 9/1	8 20	Time	: 1408	Vessel: R	N TESLA
Coordinates: Lat 44.5	515760		Long -68.	797787	-	Plan Volun	ne: 0.140gal
Sampling Station: OL-	(Q)		O RESUMBLY AND A TOTAL	Deploy No	o. 2	Sub-ti	dal Location?YES
Weather: oVEXUAST,505	Winds:5-	1ams	Waters: 0.5	-1.01	Traffic:	IONE	Water Temp: ——
Measured Water Dep	th [NAVD88]:	53.4	CARDON CARESTOLISM CO. C.	Core	Penetration	Length (ft.):	Control of the Contro
Correction to NAVD8	38 (+/- ft. from NAVD88):			Reco	vered Core	Length (ft.):	CL9/
Mudline (Corrected Depth)					S C S S	etained (ft.):	11/1/22
	h (-NAVD88):					% recovery):	
Required Penetr	ation Length:	0.5	- /			ained (gal.):	1
	All	Length Me	asurement	s are in De	ecimal Fe	et	
Sample Interval	(ft.)	Samp	CL91	3/20		Description	
♦ Bottom							
						Core V	olumes
Number of containers:					Nominal o	core-barrel	
Type of container: Liner Type:	bucket	liner bag Vibracorer:	jar	other	diameter 4.0	,,,	EST. Volume .50gal/ft
Liner Type.		Push Corer	(BOX	Slambar	3.5		.33gal/ft
Live Organisms present Oil-Like Present Odor Present Debris Present Photo Numbers		Acos	FICIENT ENER OF DINATES TO	RECOVE THE B	XOX		
9/2/2							

wood.	bscot River			e III Engineering	Evaluation
W000.			MENT CORE		
wnerl/BDC	Pro	ject No.: 3(017207486	Logger: C	LAUBACK
ib: A = 3	, wo): —		Crew: D.	
NO	Date: 9\18\9	20	Time : ۱۷	Charles and the contract of th	FOR STATUTE WAS IN A SECURITION OF
ordinates: Lat 44.515780) Lo	ng -68.7			ne: 0.140gal
ampling Station: OL-Ø1		and the Line of th	Deploy No.	Sub-tio	dal Location? YES
	-8mph wa	aters: 0,5-1	1.0 ' Tr	affic: NONE	Water Temp:
Measured Water Depth [NAVD88]:	56.2		Core Per	netration Length (ft.):	
Correction to NAVD88 (+/- ft. from			Recovere	ed Core Length (ft.):	9/18/20
NAVD88):				ength Retained (ft.):	\
Mudline (Corrected Depth) @ NAVD88: Study Depth (-NAVD88):			Acceptable C	Core (80% recovery):	:
Required Penetration Length:	0.51		Core Vol	ume Retained (gal.)	:
	Length Mea	surements	are in Deci	mal Feet	
The second of the second secon	Sample			Description	
Sample Interval (ft.) Top	Campio	10 10 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3	falls Totals		
					P = 0
		٥.			
		CL	-/1		
			9/18/12		ins He was removed.
			10/20		
					1,1111111111111111111111111111111111111
					5.000
					\
\					
Bottom				Core	Volumes
Number of containers:	_	~		Nominal core-barre	1
Type of container: bucket	liner bag	jar	other	diameter	EST. Volume .50gal/ft
Liner Type:	Vibracorer:	180×) Slambar	4.0" 3.5"	.33gal/ft
	Push Corer	electric description of the contract	CAMPINE CONTRACTOR OF THE CONT		
Live Organisms present				nments	
Oil-Like Present	-COOR	DINATES	S RECOR	DED BY ASI'S	2 ON BOARD
Odor Present Debris Present	125				
	- DINTE	RYONT	NBLET DI	D-DID NOT	CHARGE OVER
Photo Numbers B. WEVEL A 122/2020	DESPITE	BEING	SMACED ,	IM-	
B. 122/2020					
9/0	- NO K	ECOVER	- (THE WHITE STATE OF THE PARTY OF	

wood.	obscot Riv	er Mercury	Study - Pha	ise III En	gineering	j Evaluation
W000.		SEC	IMENT COF	RE LOG		
Owner: No 4/21/20 NONE		wo: 🕶 😏 1	361720748 3w 9 12 2 0 Time:	020	Logger: M Crew: LT Vessel: 1	, sc
Coordinates: Lat 44.85639		DESCRIPTION OF THE PARTY OF THE	679730			ne: 0.140
Sampling Station: ♥V - 6\	23,711,181,57,111,57,		Deploy No.	1	Sub-tic	dal Location?
Weather: 50 Winds: U	5147	Waters: NA	negogoria proba i se son	Traffic: N	+	Water Temp: NA
	A A A	CHIEROS DE KOTSILA		HOLLES AND LINES AND	_ength (ft.):	NA
Measured Water Depth [NAVD88]: Correction to NAVD88 (+/- ft. from	_				Length (ft.):	
NAVD88): Mudline (Corrected Depth) @ NAVD88:					etained (ft.):	
Study Depth (-NAVD88):	-,:				recovery):	
Required Penetration Length:	201				ained (gal.):	NA
		asurement	s are in Dec	imal Fee	et	and the state of t
Sample Interval (ft.) Top D.O - D.1 © 10:15	Samp	lle ld # 1820 - St D_	MED BEOW	D-GRE	escription V SAND	Y GRAVEL, ORTED, DAMP.
0.1-0.3 @ 10.20 0.3-0.5	01-03	11820-SED.	COBBLE SAME A	512E (F	10RE L	ARGE ROCKS) BBLE SIZE
@10:25				ES TO	PRFSET	ASE, MOIST.
Bottom		g-Amak-Maine				
Number of containers:		3	3	Nominal c	Core V	olumes T
Type of container: bucket	liner bag	(jar)	other	diameter	ore-parrer	EST. Volume
Liner Type: NONE	Vibracorer:	NIA SEE NIOF	(Slambar	4.0° 3.5°		.50gal/ft
Live Organisms present NONE Oil-Like Present NONE Odor Present NONE Debris Present BARK-LIKE Photo Numbers WEEDY	PEHOVE O NEEDE POCK	D FOR	Com	ments ABOVE VOLVIME W/ SPE	~ 1" . REMON	OR AS

		Child	Phase III F	ngineering	Evaluation	
wood.	obscot River Me					
		SEDIME	IT CORE LOC छापछील के की	Logger H	PIANTE	
wner: USDC	Projec	t No.: 56112			T6	
ub: WOOD E ITS Non	从 WO: -		1105 Time: 4305	Vaccal 115	HAIZR	
BW 9/22/20	Date: 9/18/20		305 249/19	8	e: 0.140 Bu	4/22
pordinates: Lat 44.59 00	Ol Long	-63.858	305 7011			141.
ampling Station: MM-T5		D	eploy No.	Sub-tida	al Location? W	
Veather: 55°F Coop Winds: 50		s: NA	Traffic:	NA	Water Temp: NA	
	A I A		Core Penetration	on Length (ft.):	0.9	
Measured Water Depth [NAVD88 Correction to NAVD88 (+/- ft. fro					0.8	
NAVD88			Recovered Co		0.5	
Mudline (Corrected Depth) @ NAVD8	8:		Sample Length		.1-	
Study Depth (-NAVD88		Ad	cceptable Core		897. Yes	
Required Penetration Lengt		The large of the l			01110	
A	ll Length Measur	rements ar	in Decimal	Feet		
Sample Interval (ft.)	Sample Id a	Sales and Sales Sales		Description		
Top	mm-15-C1-0	91820 PO1	oun cla	ueusilt	dense	
00-0.1	-SED-00-01	60	e roots,	Saturated	Live.	
	@1310					
7	mm-T5-C1-	091820 Br	own claye	yrilt, le	ss dense	
0.1 - 0.3	SED-01-03	KY	e routs, s	atwater	X.	
	@ 1320					
62 62 5	mm-T5-C1- SED-03-05	.091820 Sa	me as o.	1-0.3,5	slightly	
0.3-0.5	_SED_03-05	Le S	routs, les	Sdense	3	
	@1330					1
0 (0 0 0		20 Br	own clay	ey silt, d	ense fine	
0.5-0.8	(1) a 1	10	ots, sati	rated		
	(50 a.V					1
		5,4-18-20				1
	(3)	9,4				
Bottom				Core \	/olumes	
Number of containers:		6	Nomi	nal core-barrel		
Type of container: bucke	et liner bag	jar	other diame		EST. Volume .50gal/ft	-
Liner Type:	Vibracorer:	Cla	mbar	4.0" 3.5"	.33gal/ft	1
ACETRITE	Push Corer)	Sia				7
Live Organisms present YES	TOP Extrude	po	Commen	ts		
Oil-Like Present	- CXH UUL	,				1
Odor Present Debris Present						
						1
B. 122/2020						
B. 00 12020						
9/22/						_

Wood. Penobscot River Mercury Study - Phase III Engineering Evaluation						
	SE	DIMENT CO	RE LOG			
Owner: USD C	Project No.:	361720	Log	ger: C.LAUBACK		
Sub: AS1	, wo: -			v: B. WEYER		
,,,	Date: 9/19/20	Time	0956 Ves	sel: PUTESLA		
Coordinates: Lat 44.48234	49 Long -68	.827820		Volume: 0. 140gal		
Sampling Station: FOI-O		Deploy No	. 1	Sub-tidal Location?		
Weather: CLBAZ, 40s Winds: 5	MpN Waters: 0.5	5-1.01	Traffic:	Water Temp:		
Measured Water Depth [NAVD88]	: 12.0	Core I	Penetration Leng	th (ft.): 0 , 40		
Correction to NAVD88 (+/- ft. from	n			0 . –		
NAVD88)			ered Core Leng			
Mudline (Corrected Depth) @ NAVD88			e Length Retaine			
Study Depth (-NAVD88)	- 1		e Core (80% reco			
Required Penetration Length		And the second second	/olume Retained	(gal.): 0.140 gal		
	Length Measuremen	ts are in De	cimal Feet			
Sample Interval (ft.)	Sample Id #	ONEY MILL	Descrip	otion		
0.0-0.1	00-01	RICH SOME	OSANIC-TIKE SIANICAINE	CLRYEY SILT -ORGANIK LEAFY DEKLITS, HOMOG- LLUVIUM		
·	@1440	ENOUS, NO	M-PLASTIC, A	LLUNUM '		
0.1-0.3	$\Omega I \Omega Z$			SILTY CLAY, HOMOGENOU		
001 000	01903	ALLUNU	OUD CHIP, LO	W TO NON PLASTIC,		
	@1443					
0.3-0.5	03-05	VERY DARK GRAY (5Y 31) SILTY CLAY FINING DOWN WAR D FROM OVERLYING ALLOQUOT (0.1-0.3) HOMOGENOUS NO NOODCHIP, MED TO LOW PLASTICITY, ALLUNUM				
0,00,00	0000	ALLOQUOT	(0.1-0.3), H	SWOR ENORS		
	@1445	NO MOODE	ALLUMUM NED TO LOW PLASTICKY			
0.5-0.65		VERY DAZK	VERY DARK GRAY (C. J.Y 3/1) SILTY CLAY WITH TRACE FING FIBROUS ROOT-LIKE MATERIAL			
0,000,000	_	HOMOGENOUS MED. PLACTICITY,				
		HLLUN	W,	** %L		
	- 12NER					
	B. werell					
Bottom	9/22/2500					
Number of containers:			С	ore Volumes		
Type of container: bucket	linar haz		Nominal core-ba	31.55 - 4.1		
Liner Type:	liner bag jar Vibracorer: (BCX	other	diameter 4.0"	EST. Volume .50gal/ft		
ACETATE	Push Corer	Slambar	3.5"	.33gal/ft		
Live Organisms present NO		Com	ments			
Oil-Like Present NO	A	9		MATAN		
Odor Present VES Debris Present NO	-COLLECTED DU					
	-5ULFUR-LIK	LE ODOY	L INCREASE	s donnate		
Photo Numbers B.WEYER QUILLED 10						
B. WE 12020						
9/24						

Pen	obscot Riv	er Mercury	Study - Ph	ase III End	aineering	g Evaluation	
wood.			DIMENT CO	,		,	
Owner: VSDC Sub: 1451	Date: 9/10		36172074	186	Crew: P	LAUBALK S. WEYER U TESLA	
Coordinates: Lat 44.482349	CONTRACTOR OF THE PARTY OF THE	CONTRACTOR STREET	827820	Karamalayari		10 (230K	
Sampling Station: E-O\-O	1_DUP		Deploy No.	1	Sub-ti	dal Location? YES	
Weather: CLERL, 405 Winds: 51	Nov	Waters: 0 . 5	5-1.01	Traffic: N	ONE	Water Temp: —	
Measured Water Depth [NAVD88]:	12.0	A HUMBA E A DE INELES IN ILLIANS	Core F	Penetration L	ength (ft.):	0.70	
Correction to NAVD88 (+/- ft. from NAVD88):			Recov	ered Core L	ength (ft.):	0.6	
Mudline (Corrected Depth) @ NAVD88:				e Length Ret			
Study Depth (-NAVD88):				e Core (80%			
Required Penetration Length:	Core Volume Retained (gal.): O. 140gal					0.140gal	
All	Length Me	asuremen	ts are in De	cimal Fee	t		
Sample Interval (ft.)	Samp	ole Id#		, De	scription		
Top 0.0 -0.1'	00.	-01 145	ORG AMIC	SILT AND	TIR CLI	4919(2.5Y 4/Z) YY WITH ITIS AND ISOLATED I PLASTIC ALLUNUM	
0.1`-0,3`	01-	03	DARK OLIVEGRAY (SY 3/2) CLAY AND SILT, SOME ISOLATED HORIZONS OF BLAK SILT (SY 2.5/1) LOW PLASTIC ALLUVIUM				
6.3-0.5	03-	-05 449	(54 2.5/1) MED PLAS	STIC, ALL		
0.5'-0.6'	-	_	BLACK C5 RICH, HO ALLUVIO	Y 2.5/2)? MOGENIOU? M	MED.	AY, ORGANIC LOW PLASTIC	
Bottom	B.W.	where	>				
Number of containers:		/			Core Vo	olumes	
Type of container: bucket	liner bag	jar	other	Nominal co diameter	re-barrel	EST. Volume	
Liner Type:	Vibracorer:	Jui	30%	4.0"		.50gal/ft	
ACETATE	Push Corer		Slambar	3.5"	WAR TO SEE SEE SEE	.33gal/ft	
Cil-Like Present NO Oil-Like Present NO Odor Present YES Debris Present NO Photo Numbers	-ORGAN		Con	nments			
8.9/22/200							

Pen	obscot River Mercury	y Study - Ph	ase III Engineerin	g Evaluation	
wood.	SE	DIMENT CO	RE LOG		
Owner: USDC Sub: AS I	Project No.: wo: — Date: 9 9 20	36172074	Crew: B.\	LAUBACK WEYER V TESLA	
Coordinates: Lat 44.48238		8.80850		ne: 0.140gal	
Sampling Station: E-01-03		Deploy No.		dal Location? YES	
Weather: CLEAR, 40s Winds: 5	MON Waters: 0.5	5-1.5	Traffic: NONE	Water Temp: —	
Measured Water Depth [NAVD88]	29.2	Core F	enetration Length (ft.):	1,0	
Correction to NAVD88 (+/- ft. from NAVD88)	i		ered Core Length (ft.):	^	
Mudline (Corrected Depth) @ NAVD88			e Length Retained (ft.):	. —	
Study Depth (-NAVD88)			Core (80% recovery):	11-0	
Required Penetration Length					
All	Length Measuremen	ts are in De	cimal Feet		
Sample Interval (ft.)	Sample Id#		Description		
Top 0.0'-0.1'	00-01	OLIVE GRA HOMOGENON SIZED DET	Y (5 Y 4/2) ORGANI S, TRACE ORGANI R(T)S, NON-PLASTI	C-LIKE SILT, L-MED BAND	
0.1-0.3'	O1-03 VERY DARK GREENISHGRAY (GLEY 1 2.5/1 10Y) CLAYEY SILT HOMOGENOUS, WITH TR MED. SANDSIZED JEG ANIC DETRITIS, LOWPLAST ALLUNUM. VERY DARK GREENISHGRAY (GLEY 1 2.5/1 10Y) CLAY-SILT WITH ISOLATED FINEHORIS OF BLACK (SY 2.5/1) SILT (ORGANICALCH) HOMOGENOUS PARK GREENISH GRAY (GLEY 1 2.5/1 10Y) VERY DARK GREENISH GRAY (GLEY 1 2.5/1 10Y) CLAYEY SILT, ORGANIC RICH TRACE VERY FINE CLASTIC SANDS, LOWPLASTICITY, ALLUNUM				
Bottom	B. WEYER 9/22/2020				
Number of containers:	Co.		Core V	olumes	
Type of container: bucket	liner bag jar	other	Nominal core-barrel diameter	EST. Volume	
Liner Type: ACETATE	Vibracorer: (Box		4.0"	.50gal/ft	
	Push Corer	Slambar	3.5"	.33gal/ft	
Live Organisms present NO Oil-Like Present NO Odor Present YES Debris Present NO Comments INSUSTICIENT SEDIMENT VOLUME (~23") EL VALVES & TO C 9 9 20				(~2-3")	
Photo Numbers B. WEYEVERO	-SULPUR-LIKE ODOR INCREASES DOWNICORE				

wood.	Penobscot River Mercury Study - Phase III Engineering Evaluation SEDIMENT CORE LOG								
			South Committee of the	ent and the first that the second		\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \			
Owner: USDC		Project No.:	36172074	86		.LAUBACK			
Sub: AS 1		wo:		W 95	Crew: B				
	Date: 9 19		Time	1020	Vessel:	HV TESLA			
Coordinates: Lat 44.481636		Long –6 8.	798540		Plan Volu	me: 0-140gal			
Sampling Station: E-01-01	1	Garage State Control	Deploy No	. \	Sub-f	idal Location? YES			
Weather: CLEAR, 505 Winds: 5	mph	Waters: 0.5	-2.0	Traffic: N	ONE	Water Temp:			
Measured Water Depth [NAVD88]:	55.8		Core I	Penetration	Length (ft.)	: \			
Correction to NAVD88 (+/- ft. from NAVD88)			Recov	ered Core	Length (ft.)	: 491			
Mudline (Corrected Depth) @ NAVD88:			Sampl	le Length R	etained (ft.)	1/19/70			
Study Depth (-NAVD88):			Acceptabl	e Core (80%	% recovery)	: \700			
Required Penetration Length:	0.51		Core \	Volume Ret	ained (gal.)	:			
All	Length Me	asurement	s are in De	cimal Fe	et				
Sample Interval (ft.)		le ld#		returned to the writing	escription				
Top									
	0	1 0/ /							
	1	£ 9/19/2							
		11110							
		_				· ·			
						···			
▼ Bottom									
Number of containers:			75			olumes /			
Type of container: bucket	liner bag	jar	other	Nominal c	ore-barrel	EST. Volume			
Liner Type:	Vibracorer:	BOX)	4.0	"	.50gal/ft			
ACETATE	Push Corer		Slambar	3.5		.33gal/ft			
Live Organisms present				nments					
Oil-Like Present	- 1015	MACIE	IENT P	ECOVE	RY				
Odor Present — Debris Present —	110	30 1110	ICINI						
164EK									
Photo Numbers B. WEYER 9/22/2020									

wood.	Pen	Penobscot River Mercury Study - Phase III Engineering Evaluation					
				IMENT CO		A	
Owner: USDC			Project No.: 2	6172074	· ·	C. LAUBACK	
Sub: AS1		Date: 9 1	wo:			3. WEYER	
• • • • •	(Va.	Date: 9 1	1120	Time :	1033 Vessel:	KIVIESLA	
Coordinates: Lat 44.	481652	2	Long -68.	74 853	Plan Voli	ume: 0,140gal	
Sampling Station: F -	01-04	4		Deploy No.	Z Sub	-tidal Location? YES	
Weather CLEAR, 50s	Winds: 5	1900	Waters: 0.5	201	Traffic: NONE	Water Temp: —	
Measured Water Dep	oth [NAVD88]:	55-0		Core F	Penetration Length (ft.	.): 、	
Correction to NAVD8	38 (+/- ft. from					0,01	
	NAVD88):				ered Core Length (ft.	111120	
Mudline (Corrected Depth)					e Length Retained (ft		
Required Penetr	h (-NAVD88):		i.		e Core (80% recovery olume Retained (gal		
Required Period						7:	
Sample Interval		The state of the s	easurement	s are in De	Description		
Jop	(IL.)	Salili	JIE IU #		Description		
			01.1				
			CL 9/10/	0-			
			7111	70			
			-,-,				
	4	3					
▼ Bottom							
					Core	Volumes	
Number of containers:					Nominal core-barrel		
Type of container: Liner Type:	bucket	liner bag Vibracorer:	jar	other	diameter 4.0"	EST. Volume .50gal/ft	
		Push Corer	(20 X)	Slambar	3.5"	.33gal/ft	
Live Organisms present				Con	nments		
Oil-Like Present	_	1					
Odor Present Debris Present		-INSU	FACIENT	T VOLUM	E OF SEDIM PREDUCE EL PIECES	IDNI;	
DI CALL		N7 -	3" INI Ar	X COPF	- PREDUCE	05	
- IER		122	CF DI	MITAI	AL DIFCES		
B. WEYER	ro	1,0	2- R11	140004	ELL PICT	. ~	

wood.	bscot Rive	r Mercury	Study - Phas	se III Engineering	Evaluation	
WOOO .		SED	IMENT COR			
Owner: USDC	Р	roject No.: 공	617207486		LAUBALL	
Sub: AS I	, , w	/O: —		Crew: B:	188	
וסי	Date: 9 19 2	0	Time :	006 Vessel:P	TESLA	
Coordinates: Lat 44.481653	L	ong –68 .	79.8519		e: 0.140gal	
Sampling Station: E-01-04			Deploy No.	Sub-tic	lal Location? YES.	
Weather: CLEAR, 50s Winds: 51	nph In	Vaters: 1.0	2.5	raffic: NONE	Water Temp: —	
Measured Water Depth [NAVD88]:	56.9		Core Pe	netration Length (ft.):	0.6	
Correction to NAVD88 (+/- ft. from NAVD88):			Recover	red Core Length (ft.):	0,55	
Mudline (Corrected Depth) @ NAVD88:			Sample	Length Retained (ft.):	0.5	
Study Depth (-NAVD88):				Core (80% recovery):		
Required Penetration Length:	0.5		Core Vo	lume Retained (gal.):	0.140 gal	
All	Length Mea	surement	s are in Dec	imal Feet		
Sample Interval (ft.)	Sample			Description		
Top ().0 - ().1	00	-O \	OLIVE GRAY SOME MEDIU	(54 412) CLRYEY S M ANGUZAR SAND	SASM-GRANDS.	
0.0 0.1	@155	50		MANGUAR SAND ITY LIVE ORGAN	ν.	
0100		7E8	VERY DARK	GRAY (5 Y 3/1) SI	LTYCLAY WITH	
0.1'-0.3'	01-03 SOME MED. GRAINED ANGULAR CLASTIC SANDS, LIVE ORGANISMS, TRORANIK-LI					
	C 15	52	DETRITIS LO	WPLASTIC ALLUV	UM(
63 65	45	2	DARKGRAY	(25Y 4/1) SILTY	CLAY, HIGHER	
0.3-0.5	05	00	RATIO OF CLAY TO SILT THAN OVERLYING SED. SOME WOOD CHIP (CORSESAND-SIZED) TR.			
	(a) [2	554	COARSE ANGULAR, CLASTIC SAND, MED. PLAS			
			ALLUMUN			
SIEN						
s. anton						
alzu			RWE	1812		
*			B WE	12000		
Bottom			- V		/al.umaa	
Number of containers:		(0		Nominal core-barrel	/olumes	
Type of container: bucket	liner bag	jar	other	diameter	EST. Volume	
Liner Type: ALETATE	Vibracorer:	BOX)	4.0"	.50gal/ft .33gal/ft	
RCE IMIE	Push Corer		Slambar	3.5"	1.33gai/it	
Live Organisms present YES			Com	nments	W BOX	
Oil-Like Present NO	-ABLE	TOGET	ont aceti	ATTEMPTS	(1) 00/1	
Odor Present YES Debris Present NO	6076	CORE	OUT OF 2	ATTEMPTS		
Photo Numbers	-61112	1 ND -11V	F ODOR I	NCREASES WIT	H DEPTH.	
15%	30 L1	UNILIN	0001			
B. Wallow						

wood.	Pei	nobscot Ri			0.34	neerin	g Evaluation	
2 1200				DIMENT CO	12.1			
Owner: VSC				36172074			LAUBACK	
Sub: AS 1		ol.	wo:			iller.	WEYER	
			20			Vessel: RV TESLA		
Coordinates: Lat 44.6 Sampling Station: E	47012	7	Long -68	,807445	Pla	an Volur	me: 0.140gal	
					. \	Sub-ti	dal Location? YES	
Weather:CLEAR, 908 Winds: 5mph Waters: 1-2.5' Traffic: NONE Wa					Water Temp: —			
Measured Water De	pth [NAVD88	:		Core	Penetration Len	gth (ft.):	8	
Correction to NAVD	88 (+/- ft. fror NAVD88			200	vered Core Len		01	
Mudline (Corrected Depth	n) @ NAVD88	b:	100		le Length Retair		\ Otrat W	
Study Dep	th (-NAVD88)	:			e Core (80% re			
Required Penet	tration Length	0.5	3		Volume Retaine			
	Al	Length Me	easuremen					
Sample Interval			ole ld#	le die in Be	100	ription		
Тор	X /				Desci	iption		
	_							
			<u> </u>	110				
			10	19/10				
				'\				
	-							
▼ Bottom								
Number of containers:			-		Nominal core-b	Core Vo	olumes	
Type of container:	bucket	liner bag	jar	other	diameter	Jarrei	EST. Volume	
Liner Type:		Vibracorer: Push Corer	(Box		4.0"		.50gal/ft	
W 7 (20 W)		Push Corer		Slambar	3.5"		.33gal/ft	
Live Organisms present Oil-Like Present		-		Con	nments			
Odor Present		-1 NSUFF	ICLENT?	SFDIMENT	FUOLUME		101	
Debris Present		15/1	2011	OTICTE	050m 35	DOG	FD "R-FP"	
Photo Numbers		- LOCA	MON A	(M) (20 1G	NHYON	0100		
Cralia)	To	- LOCATION ADJUSTED FROM PROPOSED, "ES-FP" TO ATTEMPTA BIOTA - COLOCATE SAMPLE				CAK		

		92		2 2 6		
wood.	nobscot Riv		/ Study - Ph DIMENT CC			g Evaluation
Owner: USDC			36172074			MRKI
Sub: Ne l		150	56176017	100		LAUBAUC
Sub. 151	Date: 9/10	wo: —	T:	11.0		WEYER
1811111111					Vessel: 7	da and a second and
Coordinates: Lat 44.46189	12	Long - 68	3.80734	15	Plan Volun	ne: 0.140ga1
Sampling Station: ES FR #			Deploy No	. 2	Sub-ti	idal Location? YES
Weather: CLEAR 50S Winds: 5	wor	Waters: 6.5	,-1.0	Traffic: N	JONE	Water Temp: —
Measured Water Depth [NAVD88	73.9		Core	Penetration	Length (ft.):	
Correction to NAVD88 (+/- ft. fro						101
NAVD88 Mudline (Corrected Depth) @ NAVD8			1200		Length (ft.):	1111/0
					Retained (ft.):	
Study Depth (-NAVD88	00 - 1				% recovery):	
Required Penetration Lengtl				CONTRACTOR OF STREET	tained (gal.):	
	II Length Me	North Control of the Second	ts are in De	cimal Fe	et	
Sample Interval (ft.) Top	Samı	ple ld#	1.1.1.1.2.	D	Description	
1 Op						
		CL 9/19	20			
				_		
						7
- ♦ Bottom						
DOLLOTT						
Number of containers:				Nominal co	Core Vo	olumes T
Type of container: bucket	liner bag	jar	other	diameter	Ore-parrer	EST. Volume
Liner Type:	Vibracorer:	(BOX)		4.0"		.50gal/ft
	Push Corer		Slambar	3.5"		.33gal/ft
Live Organisms present				nments	4	
Oil-Like Present Odor Present	-Loca	A NOTH	DIUSTED	FOR "	BIOTA	CO-LOLATE
Debris Present —	-1					Z,
Photo Numbers	-IN DU	MISIDIA	7 FECC	JURK 1		

wood.	nobscot Ri	obscot River Mercury Study - Phase III Engineering Evaluation						
1,000			DIMENT CO					
Owner: USDC		Project No.:	36172074	86	Logger: (LAUBACK		
Sub: ASI	al	wo:			Crew: B.W			
	Date: 9(1	9/20		:1103	Vessel: P	VTESLA		
Coordinates: Lat 44.4700			8.807451		Plan Volume	: 0-140gal		
Sampling Station: ES-FP-2	°011202	胃を2120	Deploy No	\mathcal{E}_{\cdot}	Sub-tida	Location? YES		
Weather: CLERR_50s Winds:	SMON	Waters: 0	5-1.0	Traffic: N	NE V	Vater Temp: ←		
Measured Water Depth [NAVD8	8]: 71.0		Core Penetration Length (ft.):					
Correction to NAVD88 (+/- ft. fro NAVD8				vered Core		C al .		
Mudline (Corrected Depth) @ NAVD8				le Length Re		1/19/20		
Study Depth (-NAVD8	3):			le Core (80%	The state of the s	1		
Required Penetration Leng	th: 05			Volume Reta				
Α	II Length M	easuremer	its are in De	cimal Fee	et			
Sample Interval (ft.)	The second secon	ple ld#		1.7	escription			
Тор								
		A						
		CLala						
		1/19	20					
Bottom								
Number of containers:				T-7 million	Core Volu	mes		
				Nominal co		11100		
Type of container: bucket Liner Type:	liner bag Vibracorer:	jar	other	diameter 4.0"		ST. Volume		
	Push Corer		Slambar	3.5"		0gal/ft 3gal/ft		
Live Organisms present			Con	nments				
Oil-Like Present	7-101512	FICIEN	TRECOV	BRY LAT	ZCNE DUT	ATMES		
Odor Present — Debris Present —			DULES(O.					
Photo Numbers	J OF F	JULIC 100	DUCOU,	· · · · · ·	MUININI,	~ ""		
EYER	-LOCA	4 NOT	MUSTED	HOW	PK01036	D, "ESTP"		
B. WEYER 2010	FOR	BIOTA	co-ro	CATE				

QC CHECK BY B. 600 9/22/2020

wood.	Per	nobscot Ri					ngineerir	ng Evaluation
1,500						DRE LOG		
Owner: USDC				10.: 361	720748	56		L-LAUBACK
Sub: AS1		ماء	wo: -			1		MEYER
		Date: 9/10			Time	: 1[15	Vessel: R	/V TESLA
Coordinates: Lat 44.			Long 🤜 (AT	Plan Volu	1me: 0_14ga1
	T	P-MD	Sec. 19. 19. 19. 19. 19. 19. 19. 19. 19. 19			4	Sub-	tidal Location?
Weather: CLDAR 50s	Winds: E	SWBN	Waters:	0,5-	1.5	Traffic: N	LONE	Water Temp:
Measured Water De					Core F	Penetration	Length (ft.)): \
Correction to NAVD	088 (+/- ft. from NAVD88)				Recov	ered Core	l enath (ft	Clay
Mudline (Corrected Depth						le Length Re		(114)
Study Dep	th (-NAVD88)):		1		e Core (80%		100
Required Penel		1				Volume Reta		
	All	Length Me	easurem	nents a	re in De	cimal Fe	et	
Sample Interval		1 V 7/1 TY	ple ld#			A decident of the second	escription	
Тор								
		ē						
		(1)						_
			aluka a		-tiery -			
		_	2/14/00					
V								_
Bottom								
Number of containers:				-		Nominal co	751-253202 00	olumes
Type of container:	bucket	liner bag	jar		other	diameter	ore-parrer	EST. Volume
Liner Type:		Vibracorer: Push Corer		Slan		4.0" 3.5"		.50gal/ft
Live Organisms sessent		r usir corei		Siaii	wild and the			.33gal/ft
Live Organisms present Oil-Like Present	_					nments		
Odor Present	-	-1 N3U	MCIE	ENT R	ELOV	ERY: A	PEW	INCITES OF
Debris Present Photo Numbers		SEDIMI	ENIT I	W SI	MINTE	DED CORR	IES A	ND WOODY
Thoto Numbers		DEBY	215	-1	o Foor			100
B. Wey 120	20							
B. WEYER A PROPERTY OF THE PRO		1						

wood.	obscot Riv		375		gineering	g Evaluation
			DIMENT CO			11.66
Owner: USDC		Project No.:	3617207481	-	Logger: 🖰 .	
Sub: ASI	al.	wo:		E 25	Crew: B.\	7
	Date:	9/20	Time:		Vessel: K	VTESLA
Coordinates: Lat 44.473310 Sampling Station: ビターテアー		Long ~68.8	306748	9/19/20	Plan Volum	ne: 0,140ga1
Sampling Station: ES-FP-	MID BW	9 22/20	Deploy No.	\$ 5	Sub-tic	dal Location? Y∈S
Weather: CLEAC, 505 Winds: 5		Waters: 0,5		Traffic: NC	ME	Water Temp: -
Measured Water Depth [NAVD88]:			Core P	enetration L	enath (ft.):	\
Correction to NAVD88 (+/- ft. from					3	C21.1
NAVD88):				ered Core L		19/20
Mudline (Corrected Depth) @ NAVD88:	8			e Length Ret		
Study Depth (-NAVD88):				Core (80%		
Required Penetration Length:	0.5'		Core V	olume Reta	ined (gal.):	7
All	Length Me	asurement	s are in Dec	cimal Fee	t	
Sample Interval (ft.)	Samp	ole ld#		De	scription	
Тор						
		V 1				
		119/19/20				
	/	JL'11'1				
						1
	II.					
♦ Bottom						
Number of containers:					Core Vo	olumes
				Nominal co	re-barrel	EGT MAI
Type of container: bucket Liner Type:	liner bag Vibracorer:	jar (Bo	other	diameter 4.0"		EST. Volume .50gal/ft
Ептег туре.	Push Corer	(2)	Slambar	3.5"		.33gal/ft
Live Organisms present			Con	nments	- Mary Mary	
Oil-Like Present	1					
Odor Present —	-1NS1	BINAEC	UT KECC	ivery,	APEW	INCHE?
Photo Numbers	65 S	ED WIT	74 ROCK	cs and	MOO [PEBRIS,
Photo Numbers	SOM	16 SMA	UT RECO TH ROCK TLL AR	TICULA	TED BI	NALVES
2 NEYEARD	(0.5	(,,)				
3. WEYER 2010						

I Pen	obscot Rive	r Mercury	Study - Ph	ase III Enginee	ering Evaluation		
wood.	-30000111110	2 202	DIMENT CO		g = valuation		
Owner: USDC	F				r: C.LAUBACK		
Sub: AC 1	,V	vo: —	m. m	Crew:	B. WEYER		
1/0/	Date: 9/19/2	20	Time:	Vesse	1: R/V TESLA		
Coordinates: Lat 44,443142		ona -68	806787	· Plan V	/olume: 0-140gal		
Owner: USDC Sub: ASI Coordinates: Lat 44.443142 Sampling Station: ES-FP- Weather: CLEAR So's Winds: 5	MIDCLAlia		Deploy No.	2 (n s	Sub-tidal Location? YES.		
Weather: CLEAR So's Winds: 5	ngh v	Vaters: 0.5	'-1.5'	Traffic: NoNE	Water Temp:		
Measured Water Depth [NAVD88]:	584	o Marceller autorities.	Core F	enetration Length	(ft.): 0. 40		
Correction to NAVD88 (+/- ft. from					120 mm 120 mm		
NAVD88):		10-01-0-1-1-1		ered Core Length E Length Retained			
Mudline (Corrected Depth) @ NAVD88: Study Depth (-NAVD88):			1100	e Core (80% recov	112		
Required Penetration Length:					gal.): 0.101 qq (
				The second secon	341.).		
Valle applied a company of the property of	Length Mea	Cicker Stayon Sta	Electrical State				
Sample Interval (ft.)	Sample		DERY OLIVE	Descripti	SANDUSUT		
0.0:0.1	00 -0) (C	TR ARTICULATED BIVALVES (0.03'-0.05'), MIN				
	@16=	30	TR ARTICULATED BIVALVES (0.05-0.05'), MINI, CORTES SANDS, ORGANIC SILTS, TR WOOD CHIP, LOW TO NON-PLASTIC, ALLWIOM				
6.1-0.3	01-0	7.5	DARKGRE	WISH GRAY (GLE	Y 1 4/110Y) SILTY		
0.1-0.5			LINE SILI	IV, TKACE OF	RANCINAZ CLASTY		
	@ 163	2	SAND, LOV	UDLASTIC, ALL	EGANIC-LIKE ANGULARCLASTK UNUM		
0.3-0.36	030 -	036	DARKGREE	NISHGRAY GLE	E 8/F(FOF		
000 000			DARK GREENISHGRAY (GLEY 1 4/1 107) STETY 6/19 FINE SANDY SILT ONE LARGE PIECE OF WOODY - LIKE DEBRIS, LOWPLASTIC, ALLUNUM				
	C163	4		o'	"		
CL	CL.			_ OC ,			
9/19/20	9/	10/-	9/19/20				
	\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	1/20		11/20			
	\ \	\		* 4 - 40 - 41 - 12 - 12 - 12 - 12 - 12			
+							
Bottom	<u> </u>						
Number of containers: —		(_		re Volumes		
Type of container: bucket	liner bag	jar	other	Nominal core-bar diameter	rel EST. Volume		
Liner Type: ALETATE	Vibracorer:	BOX		4.0"	.50gal/ft		
	Push Corer	the section of the party	Slambar	3.5"	.33gal/ft		
Live Organisms present YES			Con	nments			
Oil-Like Present NO Odor Present YES	-C002'	DINATE	S IN TAR	BLET AND R	ECOPIFI ON		
Debris Present NO	ASI B	OATN	AMED SA	MP) ING STA-	TON "ES-FP-MID"		
Photo Numbers			2 211		11011 20717110		
ISIEN 212							
3. WEIET 2020							
910	l						

•						
wood.	³ enobscot R					ng Evaluation
Owner: VSDC				CORE LO	3	
Sub: ASI		Project No.	: 361720	7486	Logger: (LAUBALK
Sub. A51		WO: -				WEYER
	Date: 9	9/20	Tin	ne : 1155		R V TESLA
Coordinates: Lat 44.5144	48	Long -(a)	279486	3. 9212	THE RESERVE OF THE PERSON NAMED IN	A COMPLETE SHAPE OF THE SAME O
Sampling Station: 0 L - Ø	WHAT PARTY OF THE			0		ime: 0.140g/
Weather:CLPAR 50S Winds:	Commence of the Commence of th	Water O 6	Deploy	1		tidal Location? YES
The second secon	Saline South Say of the Salary	Waters: 0.5	-1-0	Traffic: N	IONE	Water Temp: ->
Measured Water Depth [NAVE			Cor	e Penetration	Length (ft.)	and the control of th
Correction to NAVD88 (+/- ft.)			1			9/10/
Mudline (Corrected Depth) @ NAVI	Secretary of the secret		and the same of th	covered Core		
Study Depth (-NAVD				ple Length R		
Required Penetration Len		/		ble Core (80%		
				e Volume Ret		
Off 57 (\$19) 2 (\$10), 19 (42)	All Length M	easuremer	its are in D	ecimal Fe	et	
Sample Interval (ft.) Top		ple ld#	Well-	THE LINE WITH BUILD	escription	
Job						CONTRACTOR SAME
						Marke
			-			
		01 1				
		CLalal				
		1/19/2	0			
		`				
					= = 90	
			$\overline{}$			

↓				-/-		
Bottom						
			- Spanish Street Street		_	
umber of containers:		_			Core Vol	umes
pe of container: bucket	liner bag	jar	other	Nominal cor	The state of the s	-OT)/ ·
ner Type:	Vibracorer:	BOX)	diameter 4.0"		EST. Volume
	Push Corer		Slambar	3.5"		50gal/ft 33gal/ft
ive Organisms present —		The state of the s	Con	nments		- 3-111
Oil-Like Present —	- 1 MM . 50	1177 -				
Odor Present — Debris Present —	111057	ICLENT?	MECOVE	KY, 25	NAMIC	T
	CONTR	INED R	OCK (BRIES	WOOD	DEBRIC
EYEL	ANDB	1 VALUES	5 (0.5-1	.017	0 - 00	DEBSIZ
B. WEYER 9/22/2020				,		
9/22/2						
11			b.		ž	

wood.	enobscot R					ng Evaluation
0 1800			DIMENT C		}	
Owner: USDC		Project No.:	561720	7486	Logger:	C-LABACK
Sub: ASI	اه	WO:	_	1	Crew: B	. WEYER
March March Company Company Company	Date: 9	19120	Time	e:1128	Vessel: โ	RIVIESLA
Coordinates: Lat 44.514538	3	Long -6	3.8046R	W 9/21/20	Plan Volu	ume: 0.140gal
Sampling Station: OL-Ø			Deploy N	THE RESIDENCE		tidal Location?
Weather: CLERR, 505 Winds:	5mm	Waters: 0.	5-1.51	Traffic: N	IONE	Water Temp:
Measured Water Depth [NAVD8	18]: 52-3		Core			
Correction to NAVD88 (+/- ft. fr			Core	e Penetration	i Length (π.	0 01
NAVD8			Reco	overed Core	Length (ft.): 1/19/72
Mudline (Corrected Depth) @ NAVD			Sam	ple Length R	Retained (ft.): 120
Study Depth (-NAVD8	4 1	-		ble Core (80		
Required Penetration Leng				Volume Re	- Pro- Contract - Cont	:
	II Length M	easuremer	its are in D	ecimal Fe	et	
Sample Interval (ft.)	Sam	ple ld#		. E	Description	Alfanti Latina
100						
			-		•	Total Company of the
		17				
					90000 N	
		$\overline{}$			· · · · · · · · · · · · · · · · · · ·	The state of the s
		_		2		
				(/ "/	1	H 11044 1 1044
			<u> </u>	7/19	110	
				1	100	
	ļ				-	195 - 195
†						
Bottom						
Number of containers:					Core V	olumes
Type of container: bucket	liner bag	ior		Nominal co		
iner Type:	Vibracorer:	Jar (BC)	other	diameter 4.0"		EST. Volume .50gal/ft
	Push Corer	200	Slambar	3.5"		.33gal/ft
Live Organisms present —		The state of the s	Cor	nments		
Oil-Like Present — Odor Present —	100		-	~		
Debris Present —	- 111	2075/CI	ENI S	IEN IN EL	UT, P	BUNDANCE
Photo Numbers	01-	GRAVE	I, SON	18-2011	19 NO 6	BUNDANCE DO DEBLIS,
B. WEYER PROPERTY OF THE PROPE	RI	NALVES	INDRY S	VEINA		-5 51
8.102 20			INEFI	INDI		
9/201						

wood	Penobscot River Mercury Study - Phase III Engineering Evaluation						
			1300 3.100-0	DIMENT C	And the state of t		
Owner: USDC			Project No.: 5	3617207481		LAUBALK	
Sub: ASI			wo:			, WEYER	
What was a series of the serie		Date: 9/19/2	.0	Time	: 1207 Vessel: P	V TESLA	
Coordinates: Lat 44.5			Long ~68.8 0	4612 1	Bu 4/n/16 Plan Volu		
Sampling Station: OL	<u>Ø1</u>	Han Bish to are	anasa kumba sa	Deploy N	o. 🐧 💪 📗 Sub-l	idal Location? YES	
Weather: CLEAR, 505	Winds: 5	mph	Waters:05	-1,51	Traffic: NONE	Water Temp: —	
Measured Water Dep	th [NAVD88]	53.6		Core	Penetration Length (ft.)	:	
Correction to NAVD8				_		(Canada)	
	NAVD88)				overed Core Length (ft.)		
Mudline (Corrected Depth)					ole Length Retained (ft.)		
	h (-NAVD88):				ble Core (80% recovery)	·	
Required Penetr	ation Length:	0.5		Core	Volume Retained (gal.)	· ·	
	All	Length Me	asurement	s are in D	ecimal Feet		
Sample Interval	(ft.)	Samp	le ld#		Description		
Top 0.0-0	3,	0-	02		LKOLINE GRAY (54		
1 0.00	.)	0		SILT WITH LARG E PIECES OF SUBFOUNDED COBBLES AND GRAVELS, NON-PLASTIC			
		0	054	ALLU VI	UM	TOTA PLICA	
			7				
						• • • • • • • • • • • • • • • • • • • •	
				i es			
			C1 a	l			
\$			VE 1/1	9/20			
						A	
						<u> </u>	
1							
Bottom							
Number of containers:		Y-12-17-11-11-11-11-11-11-11-11-11-11-11-11-	2		Core \	/olumes	
					Nominal core-barrel	FOT W	
Type of container:	bucket	liner bag	jar	other	diameter 4.0"	EST. Volume	
Liner Type:	_	Vibracorer: Push Corer	(BOX)	Slambar	3.5"	.50gal/ft .33gal/ft	
Livo Organisma amagast	TUBBLIAN	Parameter Comment			mments		
00110 D	NO NO	-			minicilia		
	35	1-11151	OPPINE	VITDE	COUPRY		
	10					MARTINI	
Photo Numbers		- 606	LECIE D	DATK,	TO JURAL	MAIDHAL	
NEVEL	2	111	POX CC	WE	MARROXIMIKE	LY 0.3'0F	
B. WEYER 9/22/202		- ROX	COXE K	CONFACI	ab Sample los		
910		I MA	AIGH	(96	ap sample loc	CATION .	

wood.	nobscot R	iver Mercu	ry Study - P	hase III En	gineerii	ng Evaluation	1
		SI	EDIMENT CO	ORE LOG			
Owner: USDC		Project No.	361720748	66	Logger:	C. VAURACK	1
Sub: ASI	1	wo:				WEYER	1
	Date: 92	0/20	Time			RIVIFSLA	1
Coordinates: Lat 44.4247	23	Long ~6	8.82262	RELIEF CONTROL	A STATE OF THE PARTY OF THE PAR	me: 0.140 qq1	
Sampling Station: LQ-H5	di wasan ya ka ali ali ali ali ali ali ali ali ali al		Deploy No			tidal Location?	1
Weather: CLEARS SOS Winds: 1	0-15'mgh	Waters: 3	.Н`	Traffic: NO1		Water Temp:	2 9/
Measured Water Depth [NAVD88	651	and a substitution of the	Core	Penetration L		Cartion (2004) S. Contration (Science State)	1 "
Correction to NAVD88 (+/- ft. fro							1
Mydline (Corrected Death) © MAY/98		vered Core L			1		
Mudline (Corrected Depth) @ NAVD8		le Length Ret			1		
Required Penetration Lengti	Study Depth (-NAVD88):				recovery)	1.500	4
			TARREST PROPERTY.	Volume Retai	THE PERSON NAMED IN	: 0,140gal	
			nts are in De	cimal Fee	:		
Sample Interval (ft.)	Sam	ple ld#	DARVCR	De	scription		
100,0'-0.1'	00	-01	MINIMAL CL	AYIOIT DKC	RVER	57 4/2) SIE WITH YFINE CLASTIC	1
		1202	SANDS	SAME CO	DLOR, N	LIKE DORITS LON-PLASTIC VON-PLASTIC	
0.1-0-3	8)	-03	UMERGI	KAY (2.5	14/116	LAY AND SILT	
0.1-0.3		-03	HOMOGEN	JOUS WITH	TRAC	EF113ROUS L, LOWPLASTK	
	@1	204	ALLUVIC	IM	KIEKIK	C'TOMPCARK	
0.3-0.5	03	-05	VERY DAT	CKGRAY (2.5 Y 3	1) CLAY AND	
0,000,0	0.5		MEDIUM T	O COARSE	7-21KE	SOME SIZED	
	@17	206	TENS - TIKE	DETRITIS, L	OWPLA5	TIC, ALLUVIUM	
0.5-0.41	_		VERY DAR	K OFAY (2.5 Y 3/	1) SICTY CLAY	
			HOM OG ENC	OKIFON (F	ME) OF	LYCOD (HIP)	
1			OVEKTAIN	G ALLOQUI	OT, ME	D.PLASTIC	
challo	1	4/20/20	ALLUVI	UM.			
direct		alron		0.1	alrol	V0	
Bottom				0	-1/01	N .	
lumber of containers:		/-			Core V	olumes	
ype of container: bucket	liner bag	<u> </u>		Nominal core			
ner Type:	Vibracorer:	Bo	other	diameter 4.0"		EST. Volume	
ACETATE	Push Corer	100	Slambar	3.5"		.50gal/ft .33gal/ft	
Live Organisms present NO	The second secon		Com	ments			
Oil-Like Present NO	-				_		
Odor Present NO Debris Present NO			RECORD				
hoto Numbers	-MO D	UPLICA	ATE OF	BACKC	PCOL	LECTED.	
	100					1	
B. WEYER 2020	- 162,	15 913	WAS USE	U TO KE(OXV C	COPEDI NUATES	

Pend	bscot Rive	er Mercury	Study - Pha	se III Engineeri	ng Evaluation
wood.			IMENT COF		
Owner: VSDC	F		617207486		CLMBACK
Sub: ASI	\	NO: —			S. WEYER
	Date: 120	20	Time:	NOZ Vessel:	PLY TESLA
Coordinates: Lat 44.44532		Long -68	. 83 <i>818</i> 3	Plan Vo	lume: 0.140gal
Sampling Station: CJ-\$4			Deploy No.	\ Sut	o-tidal Location? YES
Weather: CLEAR 50S Winds: 10-1	5mph 1	Waters: 3'-	4.	Traffic: NONE	Water Temp:
Measured Water Depth [NAVD88]:	aktav asu asu aldar saareni saaren (arreni saare	Ar EU Bedroudden III-llei o o'i Filliadd	Core Po	enetration Length (f	t.): 0.60
Correction to NAVD88 (+/- ft. from NAVD88):			. Recove	ered Core Length (f	t.): () .55
Mudline (Corrected Depth) @ NAVD88:			Sample	Length Retained (f	t.): 0.5
Study Depth (-NAVD88):			Acceptable	Core (80% recover	y): YES
Required Penetration Length:	0.50)	Core V	olume Retained (ga	1.): 6.140gal
All	Length Me	asuremen	ts are in Dec	imal Feet	
Sample Interval (ft.)	Samp	le ld#		BROWN Description	
Top 0.0 -0.1	00-	-01	NON PLAS	17(2.5 / 4/2) come, organic-	LAY ANDSILT -LIFE RICH
0.1-0.3	01-	-03	VERY DAR SILT, LO	LKGRAY (2.5) OWPLASTIC AL	(3)1) CLAY AND
0.3-0.5	03	-05	VERY DAR CLAY, LO	K GRAY (2.54 WTO NED PLA	3/1) SILT MD STIC, ALLUNUM
	57				
Bottom					
Number of containers:					e Volumes
Type of container: bucket	liner bag	(<i>O</i> jar	other	Nominal core-barre	el EST. Volume
Liner Type:	Vibracorer:	(BO)	× 00.1101	4.0"	.50gal/ft
ACETRIE	Push Corer		Slambar	3.5"	.33gal/ft
Live Organisms present —NO Oil-Like Present —			Con	nments	
Odor Present XLO					
Debris Present -	4				
Photo Numbers					
0 "					

wood.	nobscot River Mercur	y Study - Ph	nase III Engineerir	ng Evaluation		
***************************************	SE	DIMENT CO	RE LOG			
Owner: USDC	Project No.:	361720748	Logger: (2. LAUBACK		
Sub: ASI	, wo: —			, WEYER		
	Date: 9 20 20	Time	: 1404 Vessel: 7	LY TESLA		
Coordinates: Lat 44,50564		.772441	Plan Volu	ume: 0.140gal		
Sampling Station: W-61 Low)	Deploy No	. \ Sub-	tidal Location? ND		
Weather: UEAR, RDS Winds: O	-5 MON Waters: CA	LM	Traffic: NONE	Water Temp: —		
Measured Water Depth [NAVD88]	: 2.5	Core F	Penetration Length (ft.): M.S.		
Correction to NAVD88 (+/- ft. from NAVD88)	1	A=0	ered Core Length (ft.			
Mudline (Corrected Depth) @ NAVD88			e Length Retained (ft.			
Study Depth (-NAVD88)			e Core (80% recovery			
Required Penetration Length	0.5		Volume Retained (gal.			
All	Length Measuremen	ts are in De	cimal Feet			
Sample Interval (ft.)	Sample ld #		Description			
Top 0.0-0.1'	00-01	DARKGRA OFGANIC P CFINES EI OFGANICSE	WISH BROWN (2.5	Y 412) SILT POOT MATTING, PATIO OF IT MARSH, Pt.		
0.1-0.3	01-03	OFGANIC RICH FINES, DENSE ROOT MATE (FINES FI BROWS), GREATER RATIO OF OFAMUSFIBERS TO SEDIMENT, MARSH, (INSITU-LIVEROOT MASS) DAPKGRAY ISH BROWN (2.54 4/2): AND MINIMAL CLAYS, DENSE ROOT MATTING, TR (OARSE CLASTIC SANDS MASH, PE. (IN SITU-LIVE ROOT MASS)				
0.3-0.5	03-05	PROOTS LI MARSH, P		TMATTING N FROM (0.0.0.3)		
0.5'-0.8'	Grafresso	(ITI 2 MI	GRAYISH BROWN LIKE SILT IN MI ROOT MATTIN YNG LAYERS, MAR	(NO) FSS DENSE		
Bottom CL 9/20/20	Cra/20/20		cralza			
Number of containers:			Core V	/olumes		
Type of container: bucket	liner bag jar	other	Nominal core-barrel	FOT Well-		
Liner Type:	liner bag jar Vibracorer:	Outer	diameter 4.0"	EST. Volume .50gal/ft		
ACETATE (Push Corer	Slambar	3.5"	.33gal/ft		
Oil-Like Present Odor Present Obbris Present			nments	ELOW-INCREASING		
B. WEYER 12/2020	WITH DEDTH		-1.10.2 110 6	icat as - limited told		

	vood.	Pen	obscot Riv	er Mercury	/ Study - Ph	ase III Engi	ineering	g Evaluation	
	1000.			SE	DIMENT CO	RE LOG			
	er: USDC			Project No.:	361720748	6 <u>L</u> c	ogger: C	LAUBACK	
Sub:	ASI		V 1	wo: —			rew: B.	WEYER	
- Marian			Date: 9/20	20	Time :	1413 V	essel: R	IV TESLA	
15000		.50590	1	Long -68.	772855	P	lan Volun	ne: ().140gal	
Sam	pling Station: W	-61 M	10	A SISTEMATING CONTRACT	Deploy No.	A THE STREET	Sub-tio	dal Location? No	
Weat	her: CLEAR 50s	Winds: 0	5mph	Waters: CA	Traffic: NONE Water Temp: —				
	Measured Water De	pth [NAVD88]:	1.5		Core Penetration Length (ft.): 0.8				
	Correction to NAVD								
Mu	dline (Corrected Depth	NAVD88):				ered Core Le			
IVIC	Study Dep			e Core (80% re					
	Required Pene		10			olume Retain			
			The state of the s				cu (gai.).	0.00 941	
	og skia prej pre i	DECEMBER AND	LEAST BILLY WELL	And South Secretary	ts are in De	Stranger and Jeff	o Portill Asia	A 14 可以他们的人们为1880年1888	
T	Sample Interval		Sampl		VERY DARKO	RAYISH BROW	cription N(2,5 Y 3)	2)514	
	0.0 -0	21.	00- @173		FINE FIBR	OUS ROOT -	DCHB FIKEWI DEBKIZ	WITH SOME ATERIAL, ABUNDANT	
	0.1-0),3'	01-0		ANDV CRAVISHBROWNI (0.5V 4/2) SUT INT				
			@173	ok ok	ABUNDANT COARSESAND-SIZED WOOD CHAP, SOME FIBZOUS ROOT-LIKE MATERIAL, NOT DENSE,				
	6.3-0.	.5	03-6	DS				INE SANDY SILT IS ROOT MATERIAL OTS THAN	
			@17	38	OVERLYING	LAYERS.		20.09	
	0.5-0	2		- 0				FINESANDY	
	0.07) ₅ O	Crap.	rofe	LESS DENS	DE THAN OU	errying 000-rik 25002	ROOT -LIKE LE CHRS(11.0'-15") LLYERS,	
	- "				WASSH'	hf -			
	9/2	0/20	10	9/20/20		c	-L9/20/20	0	
Bot	ttom	\							
Num	ber of containers:						Core Vo	olumes	
	of container:	bucket	liner bag	<u>Q</u>	other	Nominal core	-barrel	EST Values	
	Type:	Ducket	Vibracorer:	jar	Other	diameter 4.0"		EST. Volume .50gal/ft	
.198700655	ACETATE	(Account of the Control of the Contr	Push Corer		Slambar	3.5"		.33gal/ft	
Live	Organisms present				Con	ments			
-	Oll-Like Present Odor Present Ya	ES JORGA	NI C	SOME	SULPUR.	- LIKE OD	107-,1	NKREASING	
	Debris Present N	10		Down	LOKK				
Phot	8. WEYER	010							

wood.	bscot River Mercury			gineering	Evaluation	
		IMENT COR			1 1 2 2 7 10	
Owner: USDC	Project No.: 3	617207486			LAUBACK	
Sub: ASI	wo:			Crew: B.h		
	Date: 9/20/20	Time:	1422	Vessel: R) NESCA	
Coordinates: Lat 44.505928	Long -68 .	772911		Plan Volume	e: 0,140gal	
Sampling Station: W-61 HG	H	Deploy No.	1	Sub-tida	al Location? NO	
Weather: CLEAR, 50s Winds: 0 -5	Smoh Waters: CAL	M [Traffic: N	ONE !	Water Temp: ──	
Measured Water Depth [NAVD88]:	1.0	Core Pe	enetration l	Length (ft.):	0.0	
Correction to NAVD88 (+/- ft. from NAVD88):		Recove	red Core I	Length (ft.):	8.0	
Mudline (Corrected Depth) @ NAVD88:		Sample	Length Re	etained (ft.):	0,5	
Study Depth (-NAVD88):		Acceptable	Core (80%	recovery):	YES	
Required Penetration Length:	0.51	Core V	olume Reta	ained (gal.):	0.140gal	
ΔΙΙ	Length Measurement	s are in Dec	imal Fee	et		
Sample Interval (ft.)	Sample Id #	Western Street	n	occription		
Top 0.0 - 0.1	00-01	VERY DARK LIKE SILT A	GRAYISH TO	BROWN (2.1 ESAND-SI	2 3 12) ORCHING SED MOOD (1411) COME	
	@1815	NON-PUT	2110			
0.1-03	01-03	VERY DARKGRAYISH BROWN (2.54 3/2) ORGANIC-LIKE SILTY COARSE-SAND-SIZED WOOD CHTPS ISOME FINE LEARY DEBRIS; NON-PLASTIC				
•	@1817					
0.3-0.5	03-05	DAKK CRAY	EBRIS, T	R LARGER	WOODY DEBRIS	
	@1819	ALLUNUM				
05 00		DARKGRA	(5Y H)) SILTY CL	LAY, WITH	
0.5 -0.8	CLOPZOZO	PICH-LIK	E SILT	KNIDELL	S OF OPGANIC LITTS (BLACKSY	
o z 9 koko						
Bottom	Chizolzo		CL)q	1920		
				Core Vo	olumes	
Number of containers:	<u> </u>			core-barrel		
Type of container: bucket	liner bag jar	other	diameter 4.0	(II	EST. Volume .50gal/ft	
Liner Type:	Vibracorer: Push Core	Slambar	3.5		.33gal/ft	
Live Organisms present —	Property and the production of	Con	nments			
Oil-Like Present						
Odor Present YES ORGA	NIC					
Debris Present —	1					
Photo Numbers						
B. WEYER 2020						

QC CHECK BY B. WEYER 9/22/2020

	Po	nobcoot Di	vor Marau	m. Charles D				
wood.	re	HODSCOL KI		EDIMENT C		ngineerir	ng Evaluation	
Owner: USDC				:361720748		Logger: (L. LAUBACK	
Sub: ASI			. wo: -	present the first transfer of the first tran	310° - 2 0	Crew: B.	editory.	
		Date: 9 2	20	Time	:: 0935		VIESLA	
Coordinates: Lat 44,5	15752	.2	Long -4	8.80729	REPRESENTATION OF STREET		me: 0.140	
Sampling Station: $\mathcal{B}_{\mathcal{C}}$	HO-C		POWER DONE PROMICE NAME OF THE PARTY OF THE	Deploy N	o. K	Sub-	tidal Location? N0	
Weather: CLEAR 50s	Winds: (*)	-Jmoh	Waters: ()	5-1.0	Traffic: N	ONE	Water Temp: -	
Measured Water Dep	oth [NAVD88	22.3	CONTRACTOR AND THE SECOND	Core	Penetration	Lenath (ft.)		
Correction to NAVD8		m					Malan	
Mudline (Corrected Depth	NAVD88				vered Core		: Toll Man	
	h (-NAVD88			0.02	ole Length Re ole Core (80%			
Required Penetr					Volume Reta			
	Al	I Length M	easureme	nts are in D			<u> </u>	
Sample Interval			ple ld#	into are in D	STREET, STREET	escription		
Top	1.07	- Carr	pio id ii	NOT BE ASSESSED.		escription		
					1 de			
				15				
		1,1						
				01	1/1/20			
				CL	110.15			
					\			
1								
Potto:								
Bottom		Augusta and a superior						
Number of containers:		_	_	_ \	Nominal co	Core V	olumes	
Type of container:	bucket	liner bag	jar	other	diameter	ne-parrer	EST. Volume	
Liner Type:		Vibracorer: Push Corer	Box	Slambar	4.0" 3.5"		.50gal/ft	
Live Organisms present	A LEGISTICAL TO A LEGISTRAL TO A LEG	S I S I S I S I S I S I S I S I S I S I		TAL SERVE LIST AND A PARTY DATABLE			.33gal/ft	
Oil-Like Present					nments	6111	l 0	
Odor Present Debris Present		-SECON	ID DAY	Ebron Mbn.	NG. BC	1,400	TAU	
Photo Numbers	Υ				12 1-4	ON 9/18	20	
01 9/1	0/20		-NO RECOVERY					
Cri	JA72	~(oO?	DINATE	S SAVED	IN WO	OD TABL	ET	

	Da	nobecet D	Now Mana		And the		
wood.	re	HUDSCOT RI				ngineerin	g Evaluation
Owner: USDC	-			DIMENT CO			
M25 1 E				36172074	186		LAUBAUL
Sub: AS1		Date: 92	WO:	5-0	2027	Crew: B	WEYER
	iliyad 1985 (i.g.		11/20	Time	:0937	Vessel: K	VTESLA
Coordinates: Lat 44.	2010/09/2004/2015/2015	†3	Long -68	.86712	2	Plan Volur	me: 6-146gal
Sampling Station: BC	D-\$4			Deploy No	. 6	Sub-ti	idal Location? NO
Weather: CERP, 50s	Winds: 0	-5mph	Waters: 0.5	5-1.0	Traffic: N		Water Temp: -
Measured Water De	pth [NAVD88	1: 23.7	1	Core	Penetration	Lenath (ft):	A construction of the second o
Correction to NAVE		m					164 100
Mudling (Corrected Devil	NAVD88				vered Core		1 44
Mudline (Corrected Depti			-		le Length Re		
Study Depth (-NAVD88): Acceptable Core (80% recovery): Required Penetration Length: 0.5 Core Volume Retained (gal.):							
ricquired Ferie							- William - Will
		Secretary and the second	easuremen	ts are in De	cimal Fee	et	
Sample Interval	(ft.)	Sam	ple ld#		De	escription	
					-		
	-						
					, , , , , , , , , , , , , , , , , , , ,		
				AL M	2110		
				CC 41	CITCO		
					\		
						\	
V							
Bottom							\
Number of containers:	-		1		NI	Core Vo	lumes
Type of container:	bucket	liner bag	jar	other	Nominal co diameter	re-barrel	EST. Volume
_iner Type:		Vibracorer:	(BOX		4.0"		.50gal/ft
	11.02 (11.05.092.15s	Push Corer	- AND THE PROPERTY OF THE PARTY	Slambar	3.5"	, m - 11 - 14 - 1	.33gal/ft
Live Organisms present Oil-Like Present		1			ments		
Odor Present		-111202	PICIENT	RECOL	ERY .	SOME	LARGE
Debris Present		Roc	ALCIEN !	IFS (n=	5/10 -1	LINIC	N1 11 - 1 -
Photo Numbers	. \						
The state of the s	1/21/20	-CO107	DINATE	2 BECOL	2DED O	N WOO	DO TAILGATE
							i

100						
wood.	enobscot R		y Study - F			ng Evaluation
Owner: USDC			36172071			1 1 2 2 1 1 1
Sub: 451		WO:	3011201	100		LABACK
1,3(Date: 9/2	1/20	Time	: 225	Crew: 8	S. WEYER
Coordinates: Lat 44.7579				10 PO	The second secon	YVTESLA
		Long -G	9.8073	46	Plan Volu	me: 0.140gal
Sampling Station: BO-\$	THE SHAW SHOWN IN THE	Total and property of the second	Deploy N	lo. 7	Sub-t	idal Location? NO
Weather: (LFR2,50s Winds: (Advisor of the second section of the second section of the second	Waters: 0.5	2-1.01	Traffic: N	ONE	Water Temp:
Measured Water Depth [NAVD8			Core	Penetration	Length (ft.)	
Correction to NAVD88 (+/- ft. fro			1			
Mudline (Corrected Depth) @ NAVD8	100			overed Core		100
Study Depth (-NAVD8				ole Length Re		11-1
Required Penetration Lengt	th: 0.5			le Core (80% Volume Reta		
Δ	II Length M	03CUromon			The second secon	
Sample Interval (ft.)	II Length Me	ple ld#	is are in De	SEE AND SECOND	21 o 10 m 2 m	
Top	Jaili	pie iu #		D	escription	
			=			
21						
			-C1 al	21/20		
			V- 1	cija		
					\	
Bottom		1				_
			- Aller Waller Silver		All the state of t	
Number of containers:			•	Nominal co	Core Vo	lumes
ype of container: bucket	liner bag	jar	other	diameter	- 1	EST. Volume
iner Type:	Vibracorer: Push Corer	(30X	Slambar	4.0"		.50gal/ft
Live Organisms present	T GOTT OOLGT			3.5"		.33gal/ft
Oil-Like Present			Con	nments		
Odor Present —	- NO P	ECOVEY	2 Y			
boto Numbers	ł					
Adio Idulineis	-COORT	INATES	KLLOS	DED W	MOND	IMBLEI
Chalalo				·		
						1

wood	Penobscot Riv	er Mercun	v Study	Dhan a u r			
wood.	Penobscot Riv			CORE LOC		ring Evalua	ation
Owner: USDC		Project No.:				CIMPI	1/1/
Sub: ASI	- Î .	WO: -	501700 1	100		C-LAND	
	Date: 921	20	Tim	ne : 0946		B. WEIER	
Coordinates: Lat 44.75				THE RESERVE OF THE PROPERTY.	Vessel:		LA
Sampling Station: PO -	du	Long -68	. 8080	29	Plan Vo	olume: () ,))	40gal
The state of the s	94		Deploy	No. 8	Su	ıb-tidal Locatior	
Weather: CLEAR 50s Win	manager of the balls is seen as a first of the second	Waters: 0.5	101-	Traffic: N	ONE	Water Tem	no: —
Measured Water Depth [N			Cor	e Penetration	temperature and the	The second second second second	on the late
Correction to NAVD88 (+/	- ft. from AVD88):					10	1
Mudline (Corrected Depth) @ N				covered Core			Lake
Study Depth (-NA				ple Length R			disch
Required Penetration				ble Core (80%			
			Core	e Volume Ret	ained (gal	l.):	
Count II	All Length Mea	surement	s are in D	ecimal Fe	et		
Sample Interval (ft.)	Sample	e ld #	电影的	500 E PRO 52 14 1	escription		
	1					TO THE MEMORY DISCORDED	or establishment
1				722			Terre terre and a second
	_						
			1/1	100			
			Chal	1/1//			
			11	V			
					7.1.		
↓						<u></u>	
3ottom							1
umber of containers:				***************************************			
				Nominal ass	Core V	olumes	
pe of container: buck er Type:		jar	other	Nominal cor diameter	e-barrel	EST. Volume	
от туро.	Vibracorer: Push Corer	BOX)		4.0"		.50gal/ft	-
ive Organisms present	MARKET POPULATION OF THE PARTY	SIZE OF THE PROPERTY OF THE PR	ambar	3.5"		.33gal/ft	
Oil-Like Present			Com	ments	CL9/	21	
Odor Present	-INSUFF	1CIENT	RFCC	1P7V.s	1000	EDFAI	m ra
Debris Present oto Numbers	- tol-9/21 /	LARGED	IECE OS	1000	MANA	Ze FICON	ELEN
- Indilibels	-1N56F	110	n O	1 MOOD	Y DEB	KIS(3, XO)	8x03)
Colsilo.	-COOPN	NAIE2	KECOR	DED W)	6000	TABLET	ľ
Al.							

wood.	enobscot Ri					ng Evaluation
Owner: USDC			DIMENT CO			(14) - 14(
Sub: NS 1			36172074	00		L. LANDBACK
1 AS 1	Data alas	WO:		09111		. WEYER
	Date: 9/21	20	Time	:0942	Vessel: \(\frac{1}{2}\)	R/VTESLA
Coordinates: Lat 44.757		Long - 68	.807815		Plan Volu	ime: O.14gal
Sampling Station: Bo-ゆー	**************	Creation Williams and a	Deploy No	. 9	Sub-	tidal Location? ND
Weather: CLEAR 50S Winds:	0-5mph	Waters: O	5-1.0	Traffic: N	ONE	Water Temp:
Measured Water Depth [NAVD8	8]: 23 <	Alexander (Carlotte Maria Carlotte Carlotte Carlotte Carlotte Carlotte Carlotte Carlotte Carlotte Carlotte Car	Core	Penetration	Length (ft.)	1
Correction to NAVD88 (+/- ft. fr						101
NAVD8			Recov	ered Core	Length (ft.)	1: 9/21/20
Mudline (Corrected Depth) @ NAVD			Sampl	le Length R	etained (ft.)):
Study Depth (-NAVD8		Acceptable Core (80% recovery):				
Required Penetration Leng	th: 0.5		Core	Volume Ret	tained (gal.)	:
A Control of the Cont	II Length Me	easuremen	ts are in De	cimal Fe	et	
Sample Interval (ft.)	Sam	ole ld#			escription	
Тор						
		ne - ne		· ·	VIII	
		\				
	-		A1			
			L L d	21/20		
			1 9	11/20		
	-				_/	
▼ Bottom						
Bottom						
Number of containers:	_	_)		Core V	olumes
Type of container: bucket	liner bag	iar	other	Nominal co	ore-barrel	EST. Volume
iner Type:	Vibracorer:	(30	\times	4.0"		.50gal/ft
	Push Corer		Slambar	3.5"		.33gal/ft
Live Organisms present —			Com	ments		
Oil-Like Present — Odor Present —	-INIG.	KUIT	NIT DT	Ca15	000.	6 213
Debris Present	1 1421	MICIC	NTRE	COVE	fy; /	10.20
Photo Numbers	OFS	EDIMEN	JIMB	OX C	AK	1
CL10/120						WOODTABLET
dirii	(30)	MAT 1	- O MI		- VOI (10000 11 10EC 1

2577						
wood.	Penobscot F	River Mercur	y Study - Pł	nase III Ei	ngineerin	ng Evaluation
0 1/57.0			DIMENT CO			
Owner: VSDC		Project No.:	3617207	186	Logger: (LANBACK
Sub: ASI	z.i.	wo:			Crew: P	
	Date: 9/2	1/20	Time	0945	Vessel: 1	PIVTESLA
Coordinates: Lat 44.75	6786	Long -68	81808.	6	Plan Volum	me: 0.140ga1
Sampling Station: BO -	Ø 4	Contract Office and Activity	Deploy No	STATE OF STREET		tidal Location? NO
Weather: CLDAP, 505 Wind	ds: 0-5mp/	Waters: 0.5	5'-1.01	Traffic: NC		Water Temp:
Measured Water Depth [Na	AVD88]: 12.8	AUTHORN STATES	A SOUTH MONATOR LAND TO SEE			the Committee of the Co
Correction to NAVD88 (+/-	- ft. from		Core	Penetration	Length (π.):	101
	AVD88):		Recov	ered Core	Length (ft.):	Calal
Mudline (Corrected Depth) @ N			Sample	e Length Re	etained (ft.):	191011
Study Depth (-NA				Core (80%		
Required Penetration				olume Reta	The same of the sa	
6.62-920 Marie Server Server	All Length N	leasurement	ts are in De	cimal Fee	t	The second second
Sample Interval (ft.) Top	San	nple ld#		De	escription	
i sp						

			0 1			
1			CL	1010		
			/	21/1/1	U	
				11-1		
			-			
				$\overline{}$		
↓						
Bottom						
lumber of containers:					Core Vol	umes
/pe of container: buck	ket liner bag			Nominal cor	e-barrel	
ner Type:	Vibracorer:	jar	other	liameter 4.0"		EST. Volume
	Push Corer		Slambar	3.5"		.50gal/ft .33gal/ft
Live Organisms present		Company of the second of the s	Comn	nents		
Oil-Like Present Odor Present	-111015	PUENT			100	7-
Debris Present	777	A DOLLA	-LCOVUI	-() /	00.6	0)
noto Numbers	2501,	MENTL	IN BOX			_^^_
(1 9/2/1/2	- 000	RDINATE	SRECE	RDED '	ow lw	ODTABLET
A Ilan		111		-1-	U	
	>					

wood.	enobscot R	liver Mero				ng Evaluation	
Owner: USDC			SEDIMENT C				
Sub: 451			10.: 3617207°	186		C-LABACK	
ogs. 1421	Date: 9/2	WO: -		00.10		3.WEYER	
		HOLE PARTIES	Committee and September 1	e : 0948	Vessel:	PUTESLA	
Coordinates: Lat 44.7566	Delicated and Allender State of the	Long - (68.8684	28	Plan Volu	ume: 0-140gal	
Sampling Station: BO - Ø	4		Deploy I	No.		-tidal Location? NO	
WeatherCLEAR, 50k Winds: (7-5moh	Waters:	0.5'-1-0	Traffic:	NONE	Water Temp: —	
Measured Water Depth [NAVD8	8]: (0.8)	Manufacti Malmontonia.	Calling Caller School Co.	kan mismestu tiida etti	en Verskille en duor son	commence of the second	
Correction to NAVD88 (+/- ft. fro	1/0		Core	Penetration	Length (ft.):	
NAVD8			Rec	overed Core	Length (ft.		
Mudline (Corrected Depth) @ NAVD8		- Iniv	Sam	ple Length R	etained (ft.): \9 21/20	
Study Depth (-NAVD8		ble Core (809					
Required Penetration Leng			The second second second	Volume Ret	Company of the State of the Sta):	
A	II Length M	easurem	ents are in D	ecimal Fe	et		
Sample Interval (ft.)	Sam	ple ld#		D	escription		
100							
				11-72			
	1						
		_					
			Chala	120			
			Chalz	1160			
			-			101-0	
THE RESERVE TO THE RE							
				1			
↓						\	
Bottom							
Number of containers:					Core Vo	olumes	
ype of container: bucket	lines 6			Nominal co		Junes	
iner Type:	liner bag Vibracorer:	jar	other	diameter		EST. Volume	
	Push Corer	$-\infty$	Slambar	4.0" 3.5"		.50gal/ft .33gal/ft	
Live Organisms present		angelige de la contra	Constitution of the Constitution of the first	nments		.ooga#it	
Oil-Like Present				iiiiciito			
Odor Present — Debris Present —	-40	RECO	NERY				
hoto Numbers	-(~	TP TO AL	ATES DE	(CIPAID)	112 1120	CODTABLET	
Ch 9/21/20	- 00	OFUN	MICO FE	W HIEU	WI WC	DUINBLET	
101							

	B 1	-				
wood.	Penobscot R					g Evaluation
Owner: USDC			EDIMENT (
Sub: ASI			:3617207	486	Logger: ().	LA BACK
A21	Date: 9 2	WO: —		~ ~ 10	Crew: B	
	LEGISLAND FOR THE PARTY OF THE	120	Tim	e: 0949	Vessel: P	V TESLA
Coordinates: Lat 44.756		Long -6	8.8688	865	Plan Volum	e: 6.140gal
Sampling Station: BO-0	A STATE OF THE PARTY OF THE PAR	THE PART AND ADD	Deploy	No. 12	Sub-tid	al Location? NO
Weather: CLEAR, SOS Winds	THE RESERVE OF THE PARTY OF THE	Waters: 0,7	5-10°	Traffic:		Water Temp:
Measured Water Depth [NAV		\	Core	e Penetration	Lenath (ft)	Printed Comments of the Comments
Correction to NAVD88 (+/- ft	. from (D88):		1			1 01
Mudline (Corrected Depth) @ NA\				overed Core		10/10
Study Depth (-NAV				ple Length Re		19/11/0
Required Penetration Le				ble Core (80%		
	7737		and the state of t	Volume Reta	The state of the s	
	All Length Me	easuremer	nts are in D	ecimal Fed	et	
Sample Interval (ft.) Top	Samı	ole ld#		D	escription	
		-				
			101			
			Co			
			1.10			
			115/1	_0		
			1			
↓						
Bottom	1					
lumber of containers:						
	- -		_	Nominal cor	Core Volui	mes
pe of container: bucke ner Type:		jar	other	diameter		ST. Volume
Тог туре.	Vibracorer: Push Corer	_(BO	Słambar	4.0"	.50	Ogal/ft
Live Organisms present ——	Day 100 Street Control	a krement outpen	Kalence and the same libries	3.5"	.3:	3gal/ft
Oil-Like Present	-			nments	15/19	
Odor Present	-INJUFF	ICIENT F	2ECOVER!	(SONE	- BOX C	ONTAINED
Debris Present Toto Numbers	- ALARO	GE PIEZI	of wor	n DERP	15(12)	CH1)
Ch lan						
alsiko	- (OOS)	NATES	RECORD	ED ON W	1000 TA	BLET
				1.5	sati a	

24000	Penobscot R	iver Mere	ım (CA - I	5 1			
wood.	Penobscot R			Phase III E		g Evaluation	
Owner: USDC			.:3617207				
Sub: ASI		.WO: —	3011201	700	Logger: (LAUBACK	
1101	Date: 9/2	1	Tim	ne:0954	Crew: B	-1	
Coordinates: Lat 44.758	ALCOHOLD BY THE REAL PROPERTY OF THE PERSON		CONTRACTOR OF STREET		Vessel:		
THE RESERVE OF THE PARTY OF THE	CONTRACTOR SERVICES SERVICES	Long -	8.8060	20	Plan Volur	ne: 0.140yal	
Sampling Station: BO - ϕ	The company of the second second second		Deploy	No. 13	Sub-ti	idal Location? NO	
Weather: CLEAR, 50s Winds	: 0-5mph	Waters: 0	5-1.0.	Traffic: N	ONE	Water Temp:	
Measured Water Depth [NAV		The second of th	Cor	e Penetration	l ength (ft):	Commence of the second state of	
Correction to NAVD88 (+/- ft						<u> </u>	
Mudline (Corrected Depth) @ NA\	/D88):	-		overed Core I			
Study Depth (-NAV				ple Length Re		9/21/2	
Required Penetration Le				ble Core (80%			
				Volume Reta			
0	All Length Me		nts are in D	ecimal Fee	t	100	
Sample Interval (ft.)	Samp	ole ld#	建筑的	De	escription		
			ļ		7.5. 		
			(1)	1			
			CL 9/2	1/20			
			1	1			
			_				
					\		
V							
Bottom							
umber of containers:				T T	Core Volu	imes	
pe of container: bucket	t liner bag			Nominal core	e-barrel	11103	
ner Type:	Vibracorer:	Jar CBO>	other	diameter		ST. Volume	
	Push Corer	002	Slambar	4.0" 3.5"		50gal/ft	
_ive Organisms present —	Eggan Arter Service International	Purely Rangement	Media and the same for	Lanca de la companya		33gal/ft	
Oil-Like Present				nments			
Odor Present — — — — — — — — — — — — — — — — — — —	- IN SUFFI	CIENT	KECOVE	-Y ", SMI	ALL AV	10UNITOF	
oto Numbers	SEDIA	NENT 1	N CODI	IER OF R	30		
					•		
Chaleiko	- COOPD	INATES	RECORDA	-D ON UX	OD TATE	u ET	
110.1				JU UNI WK	JOS IM	XC	

	B					
wood.	Penobscot R					ng Evaluation
Owner: VSDC	/4		EDIMENT (- Director	
Sub: AS1			.: 3617207	486		C.LAUBALK
K91	Date: 9 21	wo: —	4850	80-7	Crew: R	- WEYER
Coordinates Let 114 75				e:0957	Vessel:	P V TESLA
Coordinates: Lat 44. 7-5		Long -6	8.8059	80	Plan Volu	me: 0.140gal
Sampling Station: BO - 9		Contract the second second	Deploy	No. 14	Sub-t	tidal Location? ND
Weather: CLEAR, 505 Winds	: 0-5mph	Waters: 💍	5-1.0	Traffic: N	ONE	Water Temp: —
Measured Water Depth [NAV		9	Core	e Penetration	Lenath (ft)	THE PERSON NAMED IN COLUMN TWO IS NOT THE OWNER.
Correction to NAVD88 (+/- f	t. from /D88):					101.
Mudline (Corrected Depth) @ NA			1	overed Core		111111
Study Depth (-NAV				ple Length R		
Required Penetration Le				ble Core (80°		
A SALE SALE SALE SALE SALE SALE SALE SAL			A STATE OF THE PARTY OF THE PAR	Volume Ret	THE RESERVE AND ADDRESS OF THE PARTY OF THE	
Sample Interval (ft.)	All Length M		nts are in D	ecimal Fe	et	
Top	Sam	ple ld#		D	escription	
		$\overline{}$	1			
			100	pilo		
				Ilc. h		**************************************
				_		
				,		
				-	_	<u> </u>
♥						
Bottom						
lumber of containers:	- -	_			Core Vol	umes
pe of container: bucke	et liner bag	jar	other	Nominal co	re-barrel	
ner Type:	Vibracorer:	Box	other	diameter 4.0"		EST. Volume
	Push Corer		Slambar	3.5"		.50gal/ft .33gal/ft
Live Organisms present		The state of the s	Con	nments		
Oil-Like Present Odor Present	- INSUS	FICIENT	RECOIPE	Y. Prox	CONTAU	(1t)
Debris Present —	SOME	LARGE	RECOVER WOODY DE	RPISGL	~V 3, ~V	3
noto Numbers		M M	10001 16	DE10 (8)	∠0.5 ×0)
Charles	1					
dicion	1					

wood.	Pen	obscot Riv	er Mercury	Study - Ph	ase III Er	ngineering	Evaluation
				DIMENT CO			
Owner: USDC			Project No.:	3617207	486		LAUBACK
Sub: AS1		-1	wo: —				. WEYER
		Date: 9 21	120	Time :	0959	Vessel: R	V TESLA
Coordinates: Lat 44.75	85	20	Long -68	2. 86491	4	Plan Volum	ne: 0.140gaj
Sampling Station: BO -(D4	DERECKSON OF REAL PROPERTY.	20 0000 HI 1000 CO	Deploy No.	15	Sub-tic	dal Location? No
Weather: CLEAR, 50S Wir	nds: () -	5mph	Waters: 0.5	5-1.0	Traffic: N	ONE	Water Temp: —
Measured Water Depth [N	NAVD88]:	19.01		Core F	Penetration	Length (ft.):	
Correction to NAVD88 (+	-/- ft. from NAVD88):			Recov	ered-Core	Length (ft.):	0.2
Mudline (Corrected Depth) @	NAVD88:					etained (ft.):	0.7
Study Depth (-N						6 recovery):	
Required Penetration	n Length:	0.5				ained (gal.):	0.056
	All	Length Me	asuremen	ts are in De	cimal Fe	et	terremental de la companya de la co
Sample Interval (ft.)		Samp	ole ld#		D	escription	
Top 0.0-0.2	1		-02	VERY DARKI NIKE SILT I PATETICULAT ALLUU UM	GRAYISH & WITH MINI ES, HOMOG	ROWN (2.5 IMAL CLAS LENOUS, NO	Y 3/2) OFGANIC- TICLAY SIZED N-PLASTIC
				.,			
	\						
			CL 9	21/20			
	-					_	**************************************
Bottom							
Number of containers:			0			Core Vo	lumes
	ucket	liner had	2	othor	Nominal c	ore-barrel	EST Volume
Liner Type:		liner bag Vibracorer:	jar (SOX	other	diameter 4.0'		EST. Volume .50gal/ft
ACETATI	E	Push Corer		Slambar	3.5		.33gal/ft
Live Organisms present N (A House of the Paris	Con	nments		
Oil-Like Present NO					0- 0	Centonie	14 dealmont
Odor Present NO Debris Present NO	0	-Insul	Hiciant	recovery	ou be	- A1002	14 deployments
Photo Numbers		hed this	s location	n to be	a grab	sample	location.
NEVEL	0	15 hh	al deploy	ments on	both &	sides of	river
Photo Numbers B. WEYER B. ALLIVOZ		channel	and in	close prov	aimity t	d biota	station.

wood.	obscot Riv	er Mercury	/ Study - Ph	ase III En	gineeri	ng Evaluation	
		SE	DIMENT CO	RE LOG			
Owner: USDC		Project No.:	36172074	186	Logger: (C-LAUBACK	
Sub: AS	Y 4	WO: —				WEVER	
PACIFIC CONTROL OF THE STATE OF	Date: 9/21/2		Time :	1413	Vessel:	P/V TESLA	
Coordinates: Lat 44.43 94-84		Long -68	342499		Plan Volu	ume: 0.140gal	
Sampling Station: FRB-OI		an any serion of the	Deploy No.	. \ 	Sub	-tidal Location? YES	
Weather: CLEAR, 60s Winds: O	5mph	Waters: <u>と</u> 凡と	Μ	Traffic: NO	SNE	Water Temp:	
Measured Water Depth [NAVD88]	: 48.51		Core F	Penetration I	Length (ft.): 0.9	
Correction to NAVD88 (+/- ft. from NAVD88)			Recov	ered Core	Lenath (ft.	N.O.8	
Mudline (Corrected Depth) @ NAVD88				e Length Re			
Study Depth (-NAVD88)				e Core (80%			
Required Penetration Length		Core \	Volume Reta	ained (gal.): 0.140gal		
All	Length Me	asuremen	ts are in De	cimal Fee	et		
Sample Interval (ft.)	Samp	le ld #	Sept and	D	escription		
Top 0.0 -0.1	00-0	1	OLIVE GRAY AND FRAM	1657 4/2 NIL-LIKE	SEDIMET	SILT, CLASTIC NT, HOMOGENOUS	
	@145	L					
0.1-0.3	01-03	3	BLACK GIL	EY-1 2,5/N) .RICHTP.	ISILTY CL VEGETAT	TVE DETIZITIS. DPLASTIC,	
	©)45		MAMMES	FNWGWY.			
0.3-0.5	03-0	5	BLACK (2.5 Y 2.5/1) CLAY WITH MININK SILT, HONOGENOUS; MEDIUM TO HIGHPLASTICITY MARINE SEDIMENT.				
0 0 000	@ 14:		HIGH PLAS	MCILL W	ARINE	SEDIMENT.	
0.5-0.8	050	19/0/20	BLACKES MED TO HY SEDIME	SY 2.5/1 NGH PLAS ENT)SILTY STICITY	CLAY HOWOGENING , MARINE	
CL 9/21 Bottom	Ç	1 9/21		C	12/21		
Number of containers:		6				Volumes	
Type of container: bucket	liner bag	jar	other	Nominal co	ore-barrel	EST. Volume	
Liner Type:	Vibracorer:	Box		4.0"		.50gal/ft	
ALETATE	Push Corer	THE STREET SHIP CONTROL OF THE PARTY.	Slambar	3.5"		.33gal/ft	
Live Organisms present ND			Con	nments			
Oil-Like Present NO Odor Present YES	- SUI 7	VR-LIKE	E ODOR	INOREAS	SES DO	OWNCORE	
Debris Present NO	0,7	2 DINI ATEC	, RECORD	BD ON	MOOD.	YABLET	
Photo Numbers B.WEVER A)22/2020	-C007	LAS	DID NO	OT REG	sto co	ORDINATE	
B. N22/2020		r *					

Pen	obscot R	iver Mercury	/ Study - Ph	ase III En	gineerin	g Evaluation	1
wood.		SE	DIMENT CO	RE LOG			
Owner: USD (- Perro 10500) Sub: W660 (815 None 184 9/12/20	+ BW 32/20 Date: 9-2	Project No.:-7	3617207 -		Logger: 5 Crew: H.P Vessel:	linte, T. Gerhard. C.	God FOU
Coordinates: Lat 44.59715			. 855 354			ne: 0.140gal	4
Sampling Station: Mm -T I	- CZ-		Deploy No.		r	dal Location?	-
Weather: (00° F, (1gt/Winds: N	Walled Inc. 180	Waters:	NA	Traffic:	NA	Water Temp: NA	1
Measured Water Depth [NAVD88]:	NA		Core F	Penetration	Length (ft.):	1,01	
Correction to NAVD88 (+/- ft. from NAVD88):				ered Core		1	
Mudline (Corrected Depth) @ NAVD88:	Sampl	e Length Re	etained (ft.):	4060 0 5 C+	1		
Study Depth (-NAVD88):	Acceptable	e Core (86%	recovery):	YES]		
Required Penetration Length:	0.5	• /	Core \	/olume Reta	ained (gal.):	0.140	
All	Length N	leasuremen	ts are in De	cimal Fee	et		
Sample Interval (ft.) Top	San	nple ld#		D	escription		
0.0 -0.1	MM-TI SED-OC	-(2_097126 0-01				Silty clay,	
0.1-0.3	MM-TI -SED-0	1-03	Silty Cla	derk brown	et, 517	incx streaks,	
3.3-0.5	mm-TI-	C2:1592120	l			ck, sitty clay,	
0,5-0.82	(W) 100	2.20	Dark brown Silt, ma	n with	blacks	traks, clayery, stight sheer	<u>-</u> \$
Bottom		ζ	e 9-21:	TO			
Number of containers:		0		Nominal	Core V	olumes I	1
Type of container: bucket	liner bag	jar	other	Nominal co diameter	ore-parrei	EST. Volume	
Liner Type: A CO+CA+C	Vibracorer: Push Corer		Slambar	4.0" 3.5"		.50gal/ft .33gal/ft	-
Live Organisms present Oil-Like Present Odor Present Debris Present		increa	Con	nments		collectedury	5
Photo Numbers		004					

Pend	obscot River Mercury	Study - Phase	III Engineering	g Evaluation	
wood.		DIMENT CORE			
Owner: USD (- TO 1000) Sub: 1000 Coll None Bw 9/22/20 Coordinates: Lat 44.61873	Project No.: : wo:	3617207481e Time:151	Logger: S Crew: H. (Vessel:	COUPLIN Manys, T. Gerhad, VA ne: 0.140 sal	C. Godfra
Sampling Station: W-M-W		Deploy No.		dal Location? No	
Weather: (05° + , [WW] Winds: We		A Trai	ffic: NA	Water Temp:///	
Measured Water Depth [NAVD88]:	A 1 A		etration Length (ft.):	1.01	
Correction to NAVD88 (+/- ft. from NAVD88):	-	Recovered	d Core Length (ft.):	0.851	
Mudline (Corrected Depth) @ NAVD88:	AS-11-10-10		ngth Retained (ft.):		
Study Depth (-NAVD88):		Acceptable Co	ore (80% recovery):	YES	
Required Penetration Length:	0.51	Core Volui	me Retained (gal.):	0.141)	
All	Length Measuremen	ts are in Decim	nal Feet		
Sample Interval (ft.) Top	Sample ld #		Description		ļ
0.0~0.1	W-17-MID-052120 SED-00-01	medium ion	rown, clay e roots, sut	eysilt,	
6.1-0.3	W-17-MID-092120 -SED-01-03 @1524	CONTROL OF THE CONTRO	foreund med	lyey silt,	ated
0.3-0.5	W-17-MID-09212D -SED-03-05 (B) 15:30	med: un to	fine to me	yeys: 1+, limrouts, sa	water
D.S-0.85	(6) 9-21-70		above, d		
Bottom	60	0-2-20			
Number of containers:	1/10			olumes	-
Type of container: bucket	liner bag (jar)		minal core-barrel ameter	EST. Volume	
Liner Type:	Vibracorer: SPC (C) Push Corer	Mments Slambar	4.0" 3.5"	.50gal/ft .33gal/ft	-
		Commo		13	1
Oil-Like Present No	Shouter Sk	aarel	~		
Odor Present NO Debris Present NO	1 0,000,	<u>,</u>			
DI (NI I	1				
B. WEYER 20					

wood.	obscot Ri		y Study - Pha		ngineering	Evaluation
		SE	DIMENT CO	RE LOG		ń
Owner: USDC		Project No.:	36172074	186	Logger: 5	. (OUPILA
Sub: NONE		WO:	-			Plante, T. Mez
	Date: 9-2	21-20	Time:	1430	Vessel: N	4 (.6
Coordinates: Lat 44.61874	13		8.856681		Plan Volum	e: 6.140 gal
Sampling Station: W-17 - HIG	H-092120	G 4-7(-20	Deploy No.	1	Sub-tid	al Location? No
Weather: 65°F, Cloud Winds: N	orth	Waters:	NA	Traffic:	NA I	Water Temp: NA
Measured Water Depth [NAVD88]:	NA		Core P	enetration	Length (ft.):	1. 0
Correction to NAVD88 (+/- ft. from NAVD88):			Recove	ered Core	Length (ft.):	0.75
Mudline (Corrected Depth) @ NAVD88:	Sample	e Length R	etained (ft.):	0.5		
Study Depth (-NAVD88):	0		Acceptable	Core (80%	% recovery):	4.05
Required Penetration Length	An man I			-	ained (gal.):	0.140 gal
All	Lenath M	leasureme	nts are in De	cimal Fe	et	
Sample Interval (ft.)		nple ld#			escription	
Тор	W-17:F	464-092126	Darilya			it, some
0.0-0.1	_5ED_0	0-01	Fine roots	S. WET	Tow pla	sticity
	@ 143	5		171		0
	W-17-H	C7H - 092121 1-03	Dack	TUM S	5:14,50	me clay,
0.1-0.3	-SED-D	F 03	veryden	se roo'	+5,59+	vated
	01445	>				
0.3-0.5	W-17-H1	3H-042120 3-05	Samea	s ab	ove, f	en roots,
	10000		wet		,	
	@1455	20	,			vol ,
0,5-6,75		59 a-21-20	DUCK DU	Dun, S	ilt, &	ine Clay
		(59)	Satrate			
				CV / COO	. 71-0	. 2
			71-720			
		(5C) a-				
Bottom						
Number of containers:		(92)		NIa!	Core Vo	olumes
Type of container: bucket	liner bag	iar	other	. Nominal diameter	core-barrel	EST. Volume
Liner Type:	Vibracorer:		Comments	4.0		.50gal/ft
NA	Push Core	r	Slambar	3.5	5"	.33gal/ft
Live Organisms present NO			Cor	nments		
Oil-Like Present	Shor	Her sh	1210			
Odor Present N 0 Debris Present N 6			W ()			
Photo Numbers	, O 17					
EYELL						
Photo Numbers B.WEYER 2022						

Wood. Penobscot River Mercury Study - Phase III Engineering Evaluation SEDIMENT CORE LOG							
Owner: USD C Sub: ASI	Proje WO: Date: 9/17/20	ct No.: 36 177	The second secon	Logger: C Crew: B. Vessel: R	LAUBACK WEYER VITSUA		
Coordinates: Lat 44.576161	THE CONTRACTOR OF THE SECTION AND ADDRESS OF THE SECTION ADDRESS OF THE SECTION ADDRESS OF THE SECTION AND ADDRESS OF THE SECTION ADDRESS OF THE SECTI	-68.814	and the second of	Plan Volum			
Sampling Station: BU-02	Long		eploy No. $oldsymbol{arphi}$	CONTRACTOR STATE	lal Location? ND	YES	1
Weather: 50NNY, 60s Winds: 5	10moly Water	<u>च्यार गाम लाजकारकरूत ।</u>	COLUMN TERM HODGE STREET TO SEE		Water Temp:	BW	4/24/2
Measured Water Depth [NAVD88]: Correction to NAVD88 (+/- ft, from NAVD88):	57.3		Core Penetration	Length (ft.):	CLIda		
Mudline (Corrected Depth) @ NAVD88:			Sample Length F		191110	ĺ	
Study Depth (-NAVD88):		Acc	ceptable Core (80]	
Required Penetration Length:	0.51		Core Volume Re	tained (gal.):			
All	Length Measu	rements are	in Decimal Fe	et			
Sample Interval (ft.)	Sample Id	N (0/2/20	Description			
			9/11/00				
Bottom							
Number of containers: Type of container: bucket Liner Type:	liner bag Vibracorer: Push Corer	jar ot	her diameter 4.0)"	EST. Volume .50gal/ft .33gal/ft		
Live Organisms present			Comments			1	
Oil-Like Present Odor Present	-11/21/11	SCIENIT	RECOID	Ϋ́			
Debris Present —			RECOUP		7160-1		
Photo Numbers	-2-3° c	PSED	IN COR	CNEKOR	THEISOX		

		TVC 101 Harris	1414			#11 AN		
1	wood.	nobscot Riv		/ Study - Ph DIMENT CO		gineerin	g Evaluation	
Own	er: <i>U SDC</i>		Project No.:	36172074	1810	Logger: }	1P, TG	
Sub:	WOODELIS NONE		wo:		4	Crew: I+F		
	8m 6/25/20	Date: 9/1	070	Time:	953	Vessel: 6		
Coord	linates: Lat 44.5658	08	Long - 68	. 856 27	5	Plan Volur	me: 0.140 seA	
Sam	pling Station: WW - 22	- MID		Deploy No.	1	Sub-t	idal Location? NO	
Weat	ther: 150 F CLOUDY Winds: 56	HTC	Waters: CAL	M	Traffic: N/	A	Water Temp: NA	
	Measured Water Depth [NAVD88]	N/A - MI	ars H	Core F	enetration l	Length (ft.):	0.9'	
	Correction to NAVD88 (+/- ft. from NAVD88)	n —						
Mu	dline (Corrected Depth) @ NAVD88			Recovered Core Length (ft.): 0.9' Sample Length Retained (ft.): 0.5'				
	Study Depth (-NAVD88)			Acceptable Core (80% recovery): 45.5				
	Required Penetration Length	: 0.5'		Core Volume Retained (gal.):				
	All	Length Me	easuremen	ts are in Decimal Feet				
	Sample Interval (ft.)		ole ld#			escription		
Т	ор		10_091820	BROWN C	LAMEY SIL	T, some	ORGAINICS +	
	0.0-0.1	SED_00-	01 @1000	PLASTICI'	T Y.		PRESENT, LOW	
		1012-22-M	110-091820	1			DICS, WET LOW	
	0.1-0.3	SED_ 0)-	03 @ 1010	PLASTICITY.				
			D-091820_	BROWN CI ROOTS. W			Y DEWSE FINE	
	0.3-0.5	SED_03-0.	5 C1020				•	
		N/A		SAME AS	0.3-0.4	S, SULF	UR LIKE ODOR	
	0.5-0.9							
			100	8-20				
			(5C) ~-	() (
Bot	ttom		_					
DO								
Num	ber of containers:	/2	6		Nominal co	Core Vo	olumes	
	of container: bucket	liner bag	jar	other 73	diameter	no barror	EST. Volume	
Liner	Type: NA	Vibracorer: Push Corer	Seecu	Slambar	4.0" 3.5"		.50gal/ft	
	,						.33gal/ft	
Cil-Like Present NO SWOLE			1	Com	ments			
_	Odor Present SULFIRLIKE		CANTELLU	SEN TO SA	MPLE	MARS H	PLATFORM.	
	Debris Present NO	5 100 POR	3 10 1020	000 70 007				
Phot	o Numbers							
	Mariano							
8	o Numbers							

wood.	obscot River		, ,,=		gineerin	g Evaluation	
			DIMENT CO				
Owner: USDC	Pr	oject No.: 7	361720748	e. Bolanha	Logger: /	1. PLANTE	
Sub: Noo EtTS None	VV	0.	_	171092	Crew: H	7, TG	
BW 4/22/20	Date: 9/18/2	.0	Time :	1035	Vessel: U	SHALER	
Coordinates: Lat 44.59054		ng -68	3.8596	21	Plan Volur	me: 0.140 3.2 /	
Sampling Station: MMーT2-	C1		Deploy No.	1	Sub-ti	idal Location? NO	
Weather: 55 CWVPY Winds: So	Jtu W	aters: N	A	Traffic: N		Water Temp: NA	
Measured Water Depth [NAVD88]	NA		Core F	Penetration I	_ength (ft.):	0.95	
Correction to NAVD88 (+/- ft. from NAVD88)	ACCUPATION OF THE PERSON OF TH		Recov	ered Core I	enath (ft):	0.65	
Mudline (Corrected Depth) @ NAVD88.	500		Recovered Core Length (ft.): 0.65 Sample Length Retained (ft.): 0.5				
					Est	32776	
Study Depth (-NAVD88)				Core (80%		0.140	
Required Penetration Length:				olume Reta		0.140	
All	Length Meas	surement	s are in De	cimal Fee	t		
Sample Interval (ft.)	Sample		Children Co		escription	Blanch of a Blanch	
Top 00 - 0.1	MM-TZ-C1 -SED_00-01	_091820				clayeys: 1+	
	@1235		Saturated, high organic content, dense fine roots				
0.1-0.3	MM-T2-C1-091820 -SED-0891-03		medium a	rown cl	ayeys.	It, samuell.	
	@ 1245		very high organic dense fre roots				
0.3-0.5	MM-T2-C SED-03-C	1-091820	sam	e as	0.1	-0.3	
	@1259	5					
0.5-0.65			same	a.s c	2.2-0	5	
	(\$)	1-18-20	3,30,10		,,,,,		
				(59			
Bottom				9-18-20	D.		
					Core Vo	olumos	
Number of containers:		6		Nominal co	100 00000000000000000000000000000000000	Jumes	
Type of container: bucket	liner bag	jar	other	diameter		EST. Volume	
Liner Type: AUET ATE	Vibracorer: Push Corer		Classical	4.0"		.50gal/ft	
	Pusit Corer		Slambar	3.5"	The state of the s	.33gal/ft	
Oil-Like Present	Extrud	20	Com	ments			
Odor Present Yes, organiz	C / 1						
Debris Present 100+5							
Photo Numbers B. WEYER 9122/2020							
B. W. 12020							
9/201							

wood.	nobscot River Mercu	ry Study - Phase III	Engineering	g Evaluation	
₩000.	SI	EDIMENT CORE LO	G		
Owner: 05DC - PCNOBSC Sub: 6000 CHIS No BN 9/22/20	wo:	: 3617 207486 Time: 1/45	Crew: T	PLANTE Gerhard, slag	11C
Coordinates: Lat 44.5914		8.861980		ne: 0.140991	
Sampling Station: MM-T2-		Deploy No.	تتحدث للم	dal Location? NO	
Weather: 60°FCLEAR Winds:No					
				Water Temp: N.A.	
Measured Water Depth [NAVD8 Correction to NAVD88 (+/- ft. fro		Core Penetrati	ion Length (ft.):	7.0	
NAVD8	8):		ore Length (ft.):	1.0	
Mudline (Corrected Depth) @ NAVD8			Retained (ft.):	0.5	
Study Depth (-NAVD8		Acceptable Core (80% recovery): Retained (gal.):	4.65	
Required Penetration Leng				0.140	
A COSTON TO LOCAL TO THE STATE OF THE STATE	II Length Measureme	nts are in Decimal			
Sample Interval (ft.) Top	Sample Id #	BEOUN CLAY.	Description SILT. #	abil PLASTICITY	
0.0-0.1	Mm-T2-C3_0921Z0_				
	SED_00-01@1150	ROOTS SULFUR 1	LIKE GOOR.		
61.03	MM-T2-C3_092120	_ 5 AME AS 0.0-	-0.1		
0.1 - 0.3	SED_01.03 @ 120	0			
	mm-T2-C3-692120		0.3 /11/0	EASEN ROOT	
0.3-0.5		DENSITY W/ i	DEP TH. LOW	ER MOTSTURE	
	505-05-05 @ 1210	CONTENT.			
05-110	N/c	SAMEAS 0.3	-0.5. AFT	ER 0.81	
	10/6	DECREASING DEPTH.	ROUT DEX	22,14 61	
		1.0.			
		120			
Į.	(50) 63	2			
Bottom					
Number of containers:			Core Vo	olumes	
Type of container: bucket	liner bag jar	Nomina other diamet	al core-barrel er	EST. Volume	
Liner Type:		amments)	4.0"	.50gal/ft	
NA			3.5"	.33gal/ft	
Live Organisms present 100	SHOUTER	SHOVEL	3		
Odor Present SULFUR					
Debris Present Numbers					
Photo Numbers	IM				
2. WEYE 12020					

wood.		SEDI	MENT CO	RE LO	G		
Owner: USD (-Penolosco	1/22/20 Pro	ject No.: 5	17207486)	Logger: S.	Capin	
Sub: WAUD EXIS EN 9/2	120 wo		•	F1	Crew: H.	Plante, T. Gerl	
NONE	Date: 9 - 21 -	20	Time:	1305	Vessel:	NIA Co God	
Coordinates: Lat 44.59005	59 Lor	ng -68.	85754	3	Plan Volu	me: 0.140 gal	
Sampling Station: MM-15	r(3	200524152465	Deploy No.	eranaman I	Sub-t	idal Location?	
Veather: 100°FClew Winds:		ters: N	7	Traffic:	NA	Water Temp: VA	
Measured Water Depth [NAVD88	ı: NA	LI AN ALIA TOLLAR SA	Core P	enetratio	on Length (ft.)	: 1.0	
Correction to NAVD88 (+/- ft. from NAVD88			Pacav	orod Co	ro Longth (ft)	. 29	
Mudline (Corrected Depth) @ NAVD88			Recovered Core Length (ft.): 0,7,7,7,0				
Study Depth (-NAVD88			Acceptable Core (80% recovery): 425				
Required Penetration Length	A = 1					4,000	
, Al	I Length Meas	urements	are in De	cimal F	eet		
Sample Interval (ft.)	Sample ld #		Description				
Top 0 - 0 . (@1310		Brown clayers it, saturated, night plasticity, fine roots throughout Brown clayers it, Saturated, fine roots and woody roots matted, very slense.				
V V							
0.1-0.3							
	01320		roots and woody roots matted, very				
0.3-0.5	_560_03-05 @1336		Brown clayeysilt, satrated, fine roots, uss dense, For a-21-20				
0.5-0.0	//		5/10-0 0	c ab	010 doc	VP(1515)	
	(50,9-21-20		Same as above, decreasing root density with depth				
	1	W) 9 7	11-20				
Bottom -							
The second secon		1 1	CONTROL DE		Core V	olumes	
Number of containers:	ļ., -,				l core-barrel	FOT Value	
Type of container: bucket bucket	liner bag / / Vibracorer:	(jar)	other	diamete	.0"	EST. Volume .50gal/ft	
PIR	Push Corer	See Com	Siambar		.5"	.33gal/ft	
Live Organisms present NO	_1		Con	ments	OPPORTOR OF THE PARTY.	A SECULIAR DE LA CONTRACTION DEL CONTRACTION DE LA CONTRACTION DE	
Oil-Like Present ~0	Shoute	Shan	NPS				
Odor Present NO		J. U	v 🔾				
Debris Present 🔑	i						



APPENDIX B-2 SEDIMENT STATION SUMMARIES

Project No.: 3617207486 March 2021



APPENDIX B - 2.01

Station Summary – OV-04



STATION SUMMARY						
Station ID: OV-04	Core collection and sample processing date:	Written by:				
	16 Sept 2020	C. Lauback				
Analytes: Total Mercury, Methyl Mercury, To	Checked by:					
Laboratory: Eurofins						

A – OV-04 Collection Overview

On Wednesday, September 16, 2020, Wood scientists cored station OV-04 in the North of Bangor reach between 4:40pm and 5:15pm. The weather was cloudy with a temperature of 65°F and 17mph winds from the South. Sea conditions were negligible to sampling effort, as station was accessed by foot. Sediment was sampled by 1-ft hand push cores with 3-in diameter acetate liners. One (1) 1-ft push core was collected at OV-04.

B - Field Data Records

See the field forms (Attachment B) for additional information on deployment(s) and core(s) at station OV-04.

C – Deployment Accuracy - GPS Locations

As shown in the Deployment Locations Figure (Attachment C), the location of station OV-04 represents the single collection point. The deployment represented a vegetated marsh zone accessible at low tide within the North of Bangor reach.

<u>D – Processing Overview</u>

Same-day processing was performed on OV-04 by Wood scientists on location. Core OV-04 was sampled at pre-designated intervals (0.0-0.1-ft, 0.1-0.3-ft, and 0.3-0.5-ft) by extruding a single interval at a time. The extruder and tools used for extrusion were decontaminated between intervals. Each interval was placed into a stainless-steel bowl, homogenized and aliquoted for analyses of total mercury, methyl mercury (0.0-0.1-ft and 0.1-0.3-ft intervals only) and total organic carbon (TOC).

The appearance and textural properties of all recovered sediment was described using the Unified Soil Classification (USCS).

Sediment Core Logs are attached (See Attachment B).

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US District Court – District of Maine 2020 Sediment, Water Quality, and Aquatic Biota Monitoring Report Penobscot River Estuary



OV-04

Push core OV-04 had acceptable recovery over 0.5-ft.

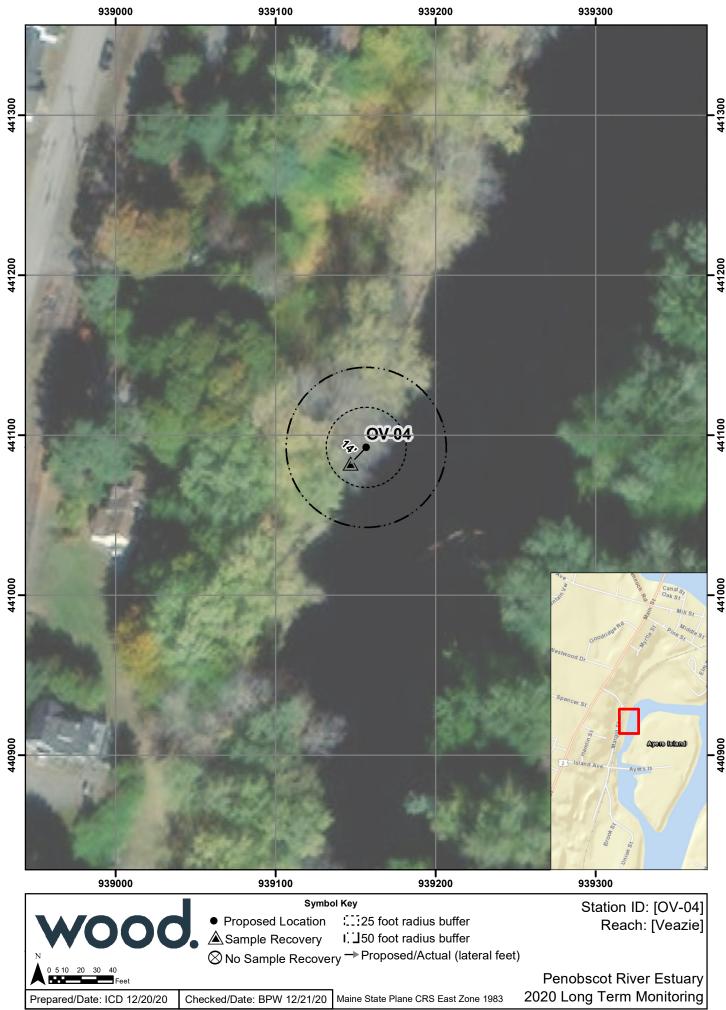
- 0.0 0.1 ft: brown CLAY, heterogeneous, light brown with fine sands, grey with fine sands, trace clay
- 0.1 0.3 ft: grey-brown silty fat CLAY with medium and fine sands, medium plasticity
- 0.3 − 0.5 ft: grey-brown silty fat CLAY with medium and fine sands, medium plasticity, decreased moisture content with depth

E – Photolog

The photo log, included as Attachment D, presents photos of each sample, post homogenization and pre-aliquoting for analytical samples.

Project No.: 3617207486 Page 2 March 2021

Coordinates: Lat 44.8 +65 +5 Long -68. 647 001 Plan Volume. 0.1 1092	
Sub: Word 1/20 Date: 9/16/20 Time: 1630 Vessel: WA Coordinates: Lat 44.876573 Long -68.674001 Plan Volume: 0.140ga	
Coordinates: Lat 44.8 +65 +5 Long -68. 647 001 Plan Volume. 0.1 1092	2
	3
Sampling Station: 0 V - 0 4 Deploy No. Sub-tidal Location? Po	1
Weather: 15 Econy Winds: 17 mph S. Waters: NA Traffic: NA Water Temp: NA	t
Measured Water Depth [NAVD88]: NA Core Penetration Length (ft.):	
Correction to NAVD88 (+/- ft. from NAVD88): Recovered Core Length (ft.): 0 . S	
Mudline (Corrected Depth) @ NAVD88: Sample Length Retained (ft.): 0.5	
Study Depth (-NAVD88): Acceptable Core (80% recovery): \25	
Required Penetration Length: 0.51 Core Volume Retained (gal.):	10 ga
All Length Measurements are in Decimal Feet	7
Sample Interval (ft.) Sample Id # Description	
OV-04 091620 Brown clay netero -> light SED-00-01 brown where sands, grey SED-00-01 brown where sands, grey OI-03 OV-04-091630 medium of Fire sands, maddium	-
- SED-00-01 w Sine sands trace cla	+
- SED - 00 - 01 Plasticity , greg - brown.	
03-05 OV-04-091620 Same as above. Decreased Moisturo content, addition	1Ct
_SED. 00-01 five sands.	-
31. 70	
\$99-16-28	
Bottom	
Number of containers: Core Volumes Nominal core-barrel	\dashv
Type of container: bucket liner bag jar) other diameter EST. Volume	
Liner Type: a cetale Vibracorer: 4.0" .50gal/ft Push Corer Guttunsi on Slambar 3.5" .33gal/ft	_
Little or garmania protection	
Odor Present NONT 00-61 @ 1700 1645	
Photo Numbers 01-03 @ F15-1700	
Oil-Like Present NONT OO-61 @ 1700 1645 Debris Present NONE Photo Numbers O3-05@ 1715	





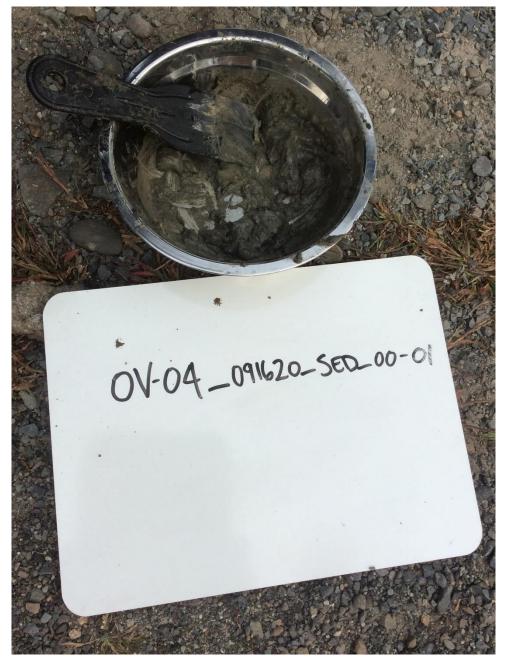


PHOTO 1:

CORE: OV-04

DEPLOYMENT: 1

INTERVAL: 0.0-0.1 FT

DATE: 9/16/2020





PHOTO 2:

CORE: OV-04

DEPLOYMENT: 1

INTERVAL: 0.1-0.3 FT

DATE: 9/16/2020



PHOTO 3:

CORE: OV-04

DEPLOYMENT: 1

INTERVAL: 0.3-0.5 FT

DATE: 9/16/2020

.

Interval not photographed



APPENDIX B - 2.02

Station Summary – OV-01



STATION SUMMARY							
Station ID: OV-01	Core collection and sample processing date: 18 Sept 2020	Written by: C. Lauback					
Analytes: Total Mercury, Methyl Mercury, To Laboratory: Eurofins	otal Organic Carbon	Checked by: B. Weyer					

A – OV-01 Collection Overview

On Friday, September 18, 2020, Wood scientists cored station OV-01 in the North of Bangor reach between 10:00am and 10:25am. The weather was cloudy with a temperature of 50°F and light wind. Sea conditions were negligible to sampling effort, as station was accessed by foot. A push corer and shooter shovel were first attempted to collect sediment; however, no sediment was recovered using these methods. Gravel pieces greater than approximately 1.0-inch, were removed from the collection area prior to collecting sediment. Wood scientists used a decontaminated stainless-steel metal spoon to collect samples at the proposed intervals.

B – Field Data Records

See the field forms (Attachment B) for additional information on deployment(s) and core(s) at station OV-01.

C – Deployment Accuracy - GPS Locations

As shown in the Deployment Locations Figure (Attachment C), the location of station OV-01 represents the single collection point. The deployment represented a vegetated marsh zone accessible at low tide within the North of Bangor reach.

D – Processing Overview

Same-day processing was performed on OV-01 by Wood scientists on location. Sediment was sampled at pre-designated intervals (0.0-0.1-ft, 0.1-0.3-ft, and 0.3-0.5-ft) by sampling a single interval at a time. The tools used for sampling were decontaminated between intervals. Each interval was placed into a stainless-steel bowl, homogenized and aliquoted for analyses of total mercury, methyl mercury (0.0-0.1-ft and 0.1-0.3-ft intervals only) and total organic carbon (TOC).

The appearance and textural properties of all recovered sediment was described using the Unified Soil Classification (USCS).

Sediment Core Logs are attached (See Attachment B).

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<u>OV-01</u>

A sufficient amount of sediment was able to be collected via metal spoon at Station OV-01 of the upper 0.5-ft of the subsurface.

- 0.0 0.1 ft: medium brown-gray sandy GRAVEL, subrounded, poorly sorted, damp
- 0.1 0.3 ft: medium brown-gray sandy GRAVEL with some cobble-sized pieces, subrounded, poorly sorted, damp
- 0.3 0.5 ft: medium brown-gray sandy GRAVEL with cobble-sized pieces increasing with depth, some fines present, moist

E – Photolog

The photo log, included as Attachment D, presents photos of each sample, post homogenization and pre-aliquoting for analytical samples.

Project No.: 3617207486 Page 2 March 2021

wood.	obscot Riv	er Mercury	Study - Pha	ise III En	gineering	j Evaluation
W000.		SEC	IMENT COF	RE LOG		
Owner: No 4/21/20 NONE		wo: 🕶 😏 1	361720748 3w 9 12 2 0 Time:	020	Logger: M Crew: LT Vessel: 1	, sc
Coordinates: Lat 44.85639		DESCRIPTION OF THE PARTY OF THE	679730			ne: 0.140
Sampling Station: ♥V - 6\	23,711,181,57,111,57,		Deploy No.	1	Sub-tic	dal Location?
Weather: 50 Winds: U	5147	Waters: NA	negogoria proba i se son	Traffic: N	+	Water Temp: NA
	A A A	CHIEROS DE KOTSILA		HOLLES AND LINES AND	_ength (ft.):	NA
Measured Water Depth [NAVD88]: Correction to NAVD88 (+/- ft. from	_				Length (ft.):	
NAVD88): Mudline (Corrected Depth) @ NAVD88:					etained (ft.):	
Study Depth (-NAVD88):	-,:				recovery):	
Required Penetration Length:	201				ained (gal.):	NA
		asurement	s are in Dec	imal Fee	et	and the state of t
Sample Interval (ft.) Top D.O - D.1 © 10:15	Samp	lle ld # 1820 - St D_	MED BEOW	D-GRE	escription V SAND	Y GRAVEL, ORTED, DAMP.
0.1-0.3 @ 10.20 0.3-0.5	01-03	11820-SED.	COBBLE SAME A	512E (F	10RE L	ARGE ROCKS) BBLE SIZE
@10:25				ES TO	PRFSET	ASE, MOIST.
Bottom		g-Amak-Maine				
Number of containers:		3	3	Nominal c	Core V	olumes T
Type of container: bucket	liner bag	(jar)	other	diameter	ore-parrer	EST. Volume
Liner Type: NONE	Vibracorer:	NIA SEE NIOF	(Slambar	4.0° 3.5°		.50gal/ft
Live Organisms present NONE Oil-Like Present NONE Odor Present NONE Debris Present BARK-LIKE Photo Numbers WEEDY	PEHOVE O NEEDE POCK	D FOR	Com	ments ABOVE VOLVIME W/ SPE	~ 1" . REMON	OR AS

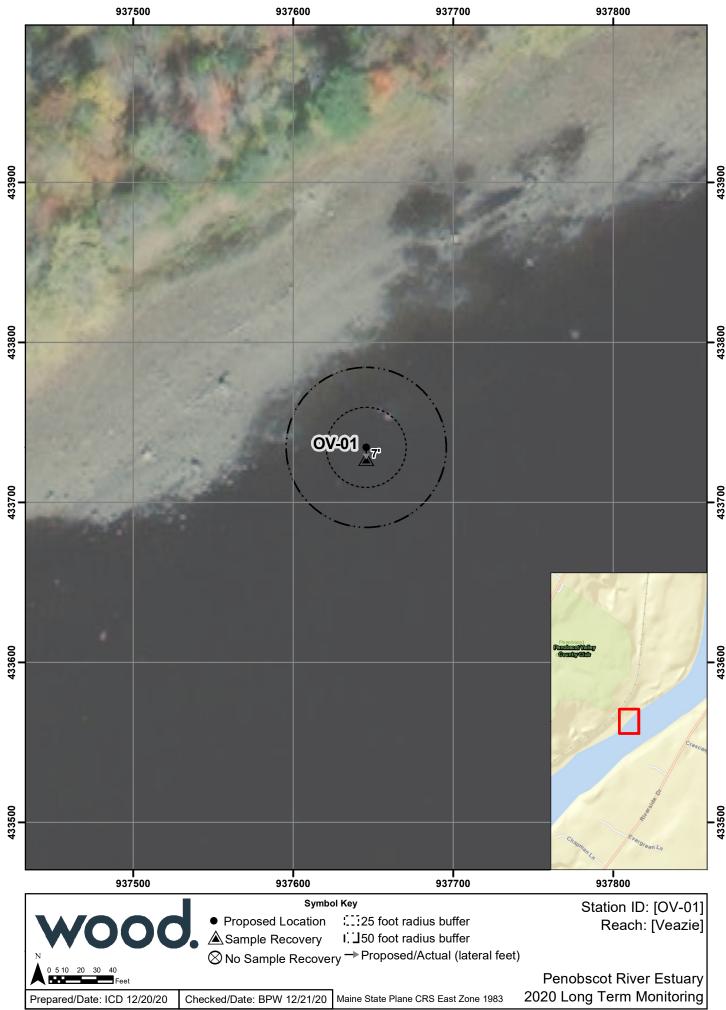






PHOTO 1:

CORE: OV-01

DEPLOYMENT: 1

INTERVAL: 0.0-0.1 FT

DATE: 9/18/2020





PHOTO 2:

CORE: OV-01

DEPLOYMENT: 1

INTERVAL: 0.1-0.3 FT

DATE: 9/18/2020





PHOTO 3:

CORE: OV-01

DEPLOYMENT: 1

INTERVAL: 0.3-0.5 FT

DATE: 9/18/2020



APPENDIX B - 2.03

Station Summary – BO-04



STATION SUMMARY							
Station ID: BO-04	Core collection and sample processing date:	Written by:					
	18 Sept 2020	C. Lauback					
Analytes: Total Mercury, Methyl Mercury, Total Organic Carbon Checked by:							
Laboratory: Eurofins		B. Weyer					

A – BO-04 Collection Overview

On Friday, September 18, 2020, Wood scientists attempted coring at station BO-04 in the Bangor reach between 10:30am and 11:10am aboard the *R/V Tesla*. The weather was overcast with temperatures in the 50's (°F) and varying winds ranging from 5 to 10-knots from the North. Sea conditions were smooth, with a wave height of 0.5-1.0-ft, providing acceptable conditions for the vessel to hold on location for sampling. A Watermark Universal Core Head Kit (Watermark) was used to attempt sediment collection but found a rocky, impenetrable substrate. The *R/V Tesla* was offset towards center of channel in search of sediment deposition. A box corer was utilized at these offset locations. However, deployments with the box corer continued to hit rocky substrate and no sediment was collected. Four (4) unsuccessful deployments were attempted.

On Monday, September 21, 2020, Wood scientists returned to station BO-04 in the Bangor reach between 9:30am and 10:12am aboard the R/V Tesla to attempt sampling at locations collocated with biota traps where samples were successfully harvested along the Southeast bank of the river. The weather was clear with temperatures in the 50's (°F) and varying winds ranging from 10 to 15-knots from the Northeast. Sea conditions were smooth, with wave heights of 0.5 to 1.0-ft, providing acceptable conditions for the vessel to hold on location for sampling. A box corer was utilized for attempted sediment collection. An additional eleven (11) deployments were made at multiple coordinates around the proposed location within the Bangor reach. Attempts were made on both sides of the river channel and proximal to stations where biota were successfully harvested. Deployments five (5) through fifteen (15) had insufficient recovery to provide the acceptable core volume, or a minimum core length of 6-in. Multiple deployments contained rocky or woody debris. Deployment six (6), only recovered some large rock cobbles (0.5-0.3-ft). Three deployments (8, 12, and 14) recovered large pieces of woody debris, ranging in sizes between 1.0x0.4-ft and 3.0x0.8x0.3-ft. Three deployments (10, 13, and 15) did recover some sediment, though of insufficient volume for a core sample or grab sample (approximately 0.2-ft in corners of box).

A grab sample was collected from the sediment recovered in deployment fifteen (15) with sediment representative of the 0.0-0.2ft depth. Sediment was preserved on wet ice in a plastic bag until processing.

B - Field Data Records

See the field forms (Attachment B) for additional information on deployment(s) and sediment sampling at station BO-04.

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<u>C – Deployment Accuracy - GPS Locations</u>

As shown in the Deployment Locations Figure (Attachment C), the locations of the fifteen (15) deployments of the box corer at station BO-04 are represented. The deployments represent a non-vegetated intertidal zone accessible at high tide within the Bangor reach.

D – Processing Overview

Same-day processing was performed on BO-04 by Wood scientists at the Wood Field Station, Winterport, Maine. A single sample was taken from the collected sediment, representative of the upper 0.2-ft of the subsurface. The tools used for sampling were decontaminated between intervals. The sample interval was placed in a stainless-steel bowl, homogenized and aliquoted for analyses of total mercury, methyl mercury, and total organic carbon (TOC).

The appearance and textural properties of each push core was described using the Unified Soil Classification (USCS).

Sediment Core Logs are attached (See Attachment B).

<u>BO-04</u>

Grab sample at BO-04 did not have acceptable recover (of 0.5-ft), though the sample was representative of the upper 0.0 to 0.2-ft.

• 0.0 – 0.2 ft: very dark grayish brown (2.5Y 3/2) organic-like silt with minimal clastic clay-sized particulates, homogenous, non-plastic: ALLUVIUM

E – Photolog

The photo log, included as Attachment D, presents photos of each sample, post homogenization and pre-aliquoting for analytical samples.

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wood	Penobscot	River Mercur	y Study - P	hase III Engir	neering Evaluation
wood.	9		DIMENT C	-	
Owner: USDC			3617207	ula /	gger: C. LAUBAKK
Sub: AS 1		wo: `			ew: B. WEYER
	Date: 9	18/20	Time	e:) oo Ve	ssel: R/V TESUA
Coordinates: Lat 44.755	7351	Long -68	. 31499	3 1180 Pla	in Volume: 0.140 gal
Sampling Station: $B0-\phi$	4		Deploy N	10.1-4	Sub-tidal Location? No
Weather: OVERLASI, SS Winds:	5-10mp/	Waters: 0,5	-1.01	Traffic: NONE	Water Temp:
Measured Water Depth [NAV	D88]: 12.3	15-3	Core	Penetration Leng	gth (ft.):
Correction to NAVD88 (+/- ft.	. from D88):			overed Core Leng	
Mudline (Corrected Depth) @ NAV				ple Length Retain	
Study Depth (-NAV		_		ble Core (80% red	
Required Penetration Le				Volume Retaine	
	All Length	Measuremer			
Sample Interval (ft.)		ample ld#		Descr	iption
Bottom			Cl	9/18/20	
Number of containers: —					Core Volumes
Construction and Construction C				Nominal core-l	parrel
Type of container: buck Liner Type:	tet liner ba	NAME OF TAXABLE PARTY.	other	diameter 4.0"	EST. Volume .50gal/ft
	Push Co		Slambar	3.5"	.33gal/ft
Live Organisms present —	Total State		Co	mments	
Oil-Like Present — Odor Present —	- NO	RECOIDE	V - ATTP	MOTEN OF	NAA - NIT
Debris Present —	AC	QUISTION	WITH	BUTH BY	MENT CORER AND
Photo Numbers	P	USH CORE	2	- 0 1 1 100 %	CORELAIND
Photo Numbers B. WEYER Al 22/2020					

Pen	obscot Riv	ver Mercury	Study - Pha	ase III Eng	gineering	Evaluation
wood.		SEI	DIMENT COR	RE LOG		
Owner: USDC		Project No.: ?	56172074	186	Logger: 🗘	MBACK
Sub: ASI		wo: —		_	Crew: B.	WEYER
	Date: 9/18	120	Time : '	102	Vessel: 🎖 🕻	1) TESLA
Coordinates: Lat 44.75528	37	Long -68	. 814921		Plan Volum	e: 0.140gal
Sampling Station: BO-\$4		er cressioner (egg) er (stempetit)	Deploy No.	2	Sub-tid	al Location? No
Weather: 0127457,505 Winds: 5	-1arph	Waters: 0.5	5'-1.0'	Traffic: NO	ME	Water Temp:
Measured Water Depth [NAVD88]:	15.3	idealesti kalendelenata suhine in noma	Core P	enetration L	ength (ft.):	A THE PERSON NAMED IN COLUMN TO THE
Correction to NAVD88 (+/- ft, from NAVD88):	ří		. Recove	ered Core L	ength (ft.):	9/18/10
Mudline (Corrected Depth) @ NAVD88			Sample	e Length Re	tained (ft.):	11 010
Study Depth (-NAVD88):				Core (80%		
Required Penetration Length:	0.51		Core V	olume Reta	ined (gal.):	
All	Length M	easuremen	ts are in Dec	cimal Fee	t	VI. WIEDUIN DE LIEUTINUM DE L
Sample Interval (ft.)	Sam	ple ld#		. De	escription	
Bottom Number of containers:			Clafin	o/w	Core Vo	plumes
Type of container: bucket	liner bag	jar	other	Nominal co	ore-barrel	EST. Volume
Liner Type:	Vibracorer:	midra and a supplement of the last	Outer	4.0"		.50gal/ft
	Push Corer		Slambar	3.5"		.33gal/ft
Live Organisms present Oil-Like Present Odor Present Debris Present Photo Numbers	-NO	RECO'		nments HTT)	NGBI	ED ROCK.
Collier						

wood.	Pend	bscot Rive	er Mercury	Study - Pha	ase III Engi	neering l	Evaluation
WOOO .			SED	IMENT CO	RE LOG		
Owner: USDC		F	Project No.:	6172074	86 <u>Lo</u>	ogger: (. LAIBACK
Sub: ASI			NO:				DEF
		Date: 9[18]	20	Time:	1105 Ve	essel: 🎖 🚶	ITESUA
Coordinates: Lat 44.	7552	96 ı	ong -68	814858	B PI	an Volume	: 0.140gal
	-64			Deploy No.	3 L	Sub-tida	Location? NO
Weather: WPRLAST, 50x	Winds: 5 -	10mph	Waters: 0.5	-1.0	Traffic: NON	$\in \mathbb{N}$	/ater Temp:
Measured Water Dept	h [NAVD88]:	15.31	te di saliko kalenda birin da sin da sin da salika	Core P	enetration Ler	ngth (ft.):	
Correction to NAVD8	8 (+/- ft. from NAVD88):			Recov	ered Core Lei	nath (ft.):	Childre
Mudline (Corrected Depth)					e Length Reta		/ 9/10/2
	(-NAVD88):				e Core (80% re		
Required Penetr		0.5		Core V	olume Retain	ed (gal.):	
	All	Length Me	asurement	s are in De	cimal Feet		
Sample Interval	STATES TO STATE AND ADDRESS.	Samp	All American State of Contract		SUMMORES SANGE HEATING IN	cription	
Top	V-112						
				: 			
			1				
				01			
30-3-1-0				76	110		
				1/1/1	3/120		
					\		
					/		Salar Carlott Caracan
		-					
	MANUTE TELET						a (
Bottom						_	
					T	Core Vo	umes
Number of containers:					Nominal cor		EST. Volume
Type of container: Liner Type:	bucket	liner bag Vibracorer:	jar_	other	diameter 4.0"		.50gal/ft
		Push Corer		Slambar	3.5"		.33gal/ft
Live Organisms present				Cor	mments		AND SERVICE SPECIAL SECTIONS
Oil-Like Present		-NO B	ECOUPY	.Υ			
Odor Present Debris Present		-					
Photo Numbers		1					
Cl	Golada						
	1/10/00						
		1					

Penobscot River Mercury Study - Phase III Engineering Evaluation							
SEI	DIMENT CORE		I IM D IN C II				
	3617207486	Logger: C.	LKBACK				
Sub: WO: —	Time : \\C		UTPSIA				
Date: 7/18/20	1 ime : [[(V ICSUN				
Coordinates: Lat 44. 755172 Long -68	. 814771	Plan Volume	e: 0,140gal				
Sampling Station: BO-\$H	Deploy No. 4	Sub-tid:	al Location? NO				
Weather: OVERLASTIBS Winds: 5-10mg/w Waters: 0.5	0 - \ . O \ Tra	affic: NONE J	Water Temp: -				
Measured Water Depth [NAVD88]: 15.3	Core Pen	etration Length (ft.):					
Correction to NAVD88 (+/- ft. from	Danavara	d Coro Longth (ft):	161				
NAVD88):		d Core Length (ft.): ength Retained (ft.):	19/18/60				
Mudline (Corrected Depth) @ NAVD88:		ore (80% recovery):	/,				
Study Depth (-NAVD88): Required Penetration Length:		ume Retained (gal.):					
All Length Measuremen	Carry Rolling Berne						
Sample Interval (ft.) Sample Id #	are in Decil	Description					
Top		<u> </u>					
	1)				
		41					
	101						
	1001	100					
	4	(8)(C)					
		\					
1							
Bottom							
Number of containers:		Core V	olumes				
Type of container: bucket liner bag jar		lominal core-barrel liameter	EST. Volume				
Liner Type: Vibracorer: (BC	*)	4.0"	.50gal/ft				
Push Corer	-Slambar	3.5"	.33gal/ft				
Live Organisms present	Comr	nents					
Oil-Like Present Odor Present Debris Present Debris Present	01 D7 V						
Debits 1 lesert	OUC IC T						
Photo Numbers							
(2 18/20)							
del.c.							

	Po	nobcoot Di	vor Marau	m. Charles D			
wood.	re	HODSCOL KI		EDIMENT C		ngineerir	ng Evaluation
Owner: USDC				:361720748		Logger: (L. LAUBACK
Sub: ASI			. wo: -	present the first transfer of the first tran	310° - 2 0	Crew: B.	editory.
		Date: 9 2	20	Time	:: 0935		VIESLA
Coordinates: Lat 44,5	15752	.2	Long -4	8.80729	REPRESENTATION OF STREET		me: 0.140
Sampling Station: $\mathcal{B}_{\mathcal{C}}$	HO-C		POWER DONE PROMICE NAME OF THE PARTY OF THE	Deploy N	o. K	Sub-	tidal Location? N0
Weather: CLEAR 50s	Winds: (*)	-Jmoh	Waters: ()	5-1.0	Traffic: N	ONE	Water Temp: -
Measured Water Dep	oth [NAVD88	22.3	CONTRACTOR AND THE SECOND	Core	Penetration	Lenath (ft.)	
Correction to NAVD8		m					Malan
Mudline (Corrected Depth	NAVD88				vered Core		: Toll Man
	h (-NAVD88			0.02	ole Length Re ole Core (80%		
Required Penetr					Volume Reta		
	Al	I Length M	easureme	nts are in D			<u> </u>
Sample Interval			ple ld#	into are in D	STREET, STREET	escription	
Top	1.07	- Carr	pio id ii	NOT BE AN ADDRESS.		escription	
					1 de		
				15			
		1,1					
				01	1/1/20		
				CL	110.15		
					\		
1							
Dotto:							
Bottom		Augusta and a superior					
Number of containers:		_	_	_ \	Nominal co	Core V	olumes
Type of container:	bucket	liner bag	jar	other	diameter	ne-parrer	EST. Volume
Liner Type:		Vibracorer: Push Corer	Box	Slambar	4.0" 3.5"		.50gal/ft
Live Organisms present	A Memorial Committee	S I S I S I S I S I S I S I S I S I S I		TAL SERVE LIST AND A PARTY DATABLE			.33gal/ft
Oil-Like Present					nments	6111	h 0
Odor Present Debris Present		-SECON	ID DAY	Ebron Mbn.	NG. BC	1,400	TAU
Photo Numbers	Υ				12 1-4	ON 9/18	20
01 9/1	0/20		LE COVE				
Cri	JA72	~(oO?	DINATE	S SAVED	IN WO	OD TABL	ET

	Da	nobecet D	Now Mana		And the			
wood.								
Owner: USDC	-			DIMENT CO				
M20 1 E				36172074	186		LAUBAUL	
Sub: AS1		Date: 92	WO:	5-0	2027	Crew: B	WYER	
	iliyad 1985 (f. q.		11/20	Time	:0937	Vessel: K	VTESLA	
Coordinates: Lat 44.	20/09/2008/2009/2007	†3	Long -68	.86712	2	Plan Volur	me: 6-146gal	
Sampling Station: BC	D-\$4			Deploy No	. 6	Sub-ti	idal Location? NO	
Weather: CERP, 50s	Winds: 0	-5mph	Waters: 0.5	5-1.0	Traffic: N		Water Temp: -	
Measured Water De	pth [NAVD88	1: 23.7	1	Core	Penetration	Lenath (ft):	Annual control of the second o	
Correction to NAVE		m					164 100	
Mudling (Corrected Devil	NAVD88				vered Core		1 44	
Mudline (Corrected Depti			-		le Length Re			
Required Pene	th (-NAVD88	0 -			e Core (80%			
ricquired Ferie					Volume Reta		- which is a superior of the s	
		Secretary and the second	easuremen	ts are in De	cimal Fee	et		
Sample Interval	(ft.)	Sam	ple ld#		De	escription		
					-			
	-							
					, , , , , , , , , , , , , , , , , , , ,			
				AL M	2110			
				CC 41	CITCO			
					\			
						\		
V								
Bottom							\	
Number of containers:	-		1		NI	Core Vo	olumes	
Type of container:	bucket	liner bag	jar	other	Nominal co diameter	re-barrel	EST. Volume	
_iner Type:		Vibracorer:	(BOX		4.0"		.50gal/ft	
	11.02 (11.05.092.15)	Push Corer	- AND THE PROPERTY OF THE PARTY	Slambar	3.5"	, m - 11 - 14 - 1	.33gal/ft	
Live Organisms present Oil-Like Present		1			ments			
Odor Present		-111202	PICIENT	RECOL	ERY .	SOME	LARGE	
Debris Present		Roc	ALCIEN !	IFS (n=	5/10 -1	LINIC	N1 11 - 1 -	
Photo Numbers	. \							
The state of the s	1/21/20	-CO107	DINATE	2 BECOL	2DED O	N WOO	DO TAILGATE	
							i	

wood.	Penobscot Riv			hase III Ei ORE LOG		ng Evaluation
Owner: USDC		Project No.: 30				VI a Zaa I I
Sub: 451		wo:	0.10011	LABACK		
	Date: 9/2/	120	Time	: 225	Vessel: E	VV TESLA
Coordinates: Lat 44.757				15 15 15 15 15 15 15 15 15 15 15 15 15 1	HOLDERS OF THE PARTY OF	
Sampling Station: BO-9		Long -69.	All the second second second			me: () 140gal
Weather: (LERR, 50s Winds:	CONT. THE RESERVE OF THE PARTY OF THE PARTY OF THE PARTY.	W. D.C.	Deploy No	CONTRACTOR (SERVICE AND		idal Location? NO
The state of the s	MATERIAL PROPERTY OF THE PARTY	Waters: 0.5 -	-1.0,	Traffic: No	ONE	Water Temp:
Measured Water Depth [NAVE Correction to NAVD88 (+/- ft.			Core	Penetration	Length (ft.)	:\
NAVE			Recov	vered Core	l enath (ft)	10
Mudline (Corrected Depth) @ NAVI	D88:			le Length Re		100
Study Depth (-NAVD	188):			e Core (80%		111-1
Required Penetration Len	igth: 0,5			Volume Reta		
	All Length Mea	asurements			- manual - m	
Sample Interval (ft.)	Sampl			ESCALARIA DE LA CALIFORNIA DE LA CALIFOR	escription	
Top				in the property De	SSCIPUOIT	
	_					
				V		
100000000000000000000000000000000000000		1	EL 9/2	1/20		
	_		11	71		
				\		
				_		
1						
Bottom						
Number of containers:					Core Vo	lumes
ype of container: bucket				Nominal cor	e-barrel	idifies
iner Type:	liner bag Vibracorer:	3 OX	other	diameter		EST. Volume
The state of the s	Push Corer		ımbar	4.0" 3.5"		.50gal/ft .33gal/ft
Live Organisms present		Topic Company (1978)	Com	ments		.oogu#it
Oil-Like Present Odor Present]	-,				
Debris Present —	1-NO KG	ECOVER'	Ý			
hoto Numbers	-CARRI	INATES "	RF(ND	DED WI	MODD	TARIFT
01.10	-C00 KD	(14.4.102)	1-C-0 F	w w	1000	· · · · · · · · · · · · · · · · · · ·
Calvilo						

wood	Penobscot Riv	er Mercun	v Study	Dhan a u r			
wood.	Penobscot Riv			CORE LOC		ring Evalua	ation
Owner: USDC		Project No.:				CIMPI	1/1/
Sub: ASI	- Î .	WO: -	501700 1	100		C-LAND	
	Date: 921	20	Tim	ne : 0946		B. WEIER	
Coordinates: Lat 44.75				THE RESERVE OF THE PROPERTY.	Vessel:		LA
Sampling Station: PO -	du	Long -68	. 8080	29	Plan Vo	olume: () ,))	40gal
The state of the s	94		Deploy	No. 8	Su	ıb-tidal Locatior	
Weather: CLEAR 50s Win	manager of the balls is seen as a first of the second	Waters: 0.5	101-	Traffic: N	ONE	Water Tem	no: —
Measured Water Depth [N			Cor	e Penetration	temperature and the	The second second second second	on the late
Correction to NAVD88 (+/	- ft. from AVD88):					10	1
Mudline (Corrected Depth) @ N				covered Core			Lake
Study Depth (-NA				ple Length R			disch
Required Penetration				ble Core (80%			
			Core	e Volume Ret	ained (gal	l.):	
Court II.	All Length Mea	surement	s are in D	ecimal Fe	et		
Sample Interval (ft.)	Sample	e ld #	电影的	500 E PRO 52 14 1	escription		
	1					TO THE MEMORY DISCORDED	or establishment
1				722			Terre terre and a second
	_						
			1/1	100			
			Chal	1/1//			
			11	V			
					7.1.		
↓						<u></u>	
3ottom							1
umber of containers:				***************************************			
				Nominal ass	Core V	olumes	
pe of container: buck er Type:		jar	other	Nominal cor diameter	e-barrel	EST. Volume	
от туро.	Vibracorer: Push Corer	BOX)		4.0"		.50gal/ft	-
ive Organisms present	MARKET POPULATION OF THE PARTY	SIZE OF THE PROPERTY OF THE PR	ambar	3.5"		.33gal/ft	
Oil-Like Present			Com	ments	CL9/	21	
Odor Present	-INSUFF	1CIENT	RFCC	1P7V.s	1000	EDFAI	m ra
Debris Present oto Numbers	- tol-9/21 /	LARGED	IECE OS	1000	MANA	Ze FICON	ELEN
- Inditibels	-1N56F	110	n O	1 MOOD	Y DEB	KIS(3, XO)	8x03)
Colsilo.	-COOPN	NAIE2	KECOR	DED W)	6000	TABLET	ľ
Al.							

wood.	enobscot Ri					ng Evaluation
Owner: USDC			DIMENT CO			(14) - 14(
Sub: NS 1			36172074	00		L. LANDBACK
1 AS 1	Data alas	WO:		09111		. WEYER
	Date: 9/21	20	Time	:0942	Vessel: \(\frac{1}{2}\)	R/VTESLA
Coordinates: Lat 44.757		Long - 68	.807815		Plan Volu	ime: O.14gal
Sampling Station: Bo-ゆー	**************	Creation Williams and a	Deploy No	. 9	Sub-	tidal Location? ND
Weather: CLEAR 50S Winds:	0-5mph	Waters: O	5-1.0	Traffic: N	ONE	Water Temp:
Measured Water Depth [NAVD8	8]: 23 <	Alexander (Carlotte Maria Carlotte Carlotte Carlotte Carlotte Carlotte Carlotte Carlotte Carlotte Carlotte Car	Core	Penetration	Length (ft.)	1
Correction to NAVD88 (+/- ft. fr						101
NAVD8			Recov	ered Core	Length (ft.)	1: 9/21/20
Mudline (Corrected Depth) @ NAVD			Sampl	le Length R	etained (ft.)):
Study Depth (-NAVD8					% recovery)	
Required Penetration Leng	th: 0.5		Core	Volume Ret	tained (gal.)	:
A Control of the Cont	II Length Me	easuremen	ts are in De	cimal Fe	et	
Sample Interval (ft.)	Sam	ole ld#			escription	
Тор						
		ne - ne -		· ·	VIII	
		\				
	-		A1			
			L L d	21/20		
			1 9	11/20		
	-				_/	
▼ Bottom						
Bottom						
Number of containers:	_	_)		Core V	olumes
Type of container: bucket	liner bag	iar	other	Nominal co	ore-barrel	EST. Volume
iner Type:	Vibracorer:	(30	\times	4.0"		.50gal/ft
	Push Corer		Slambar	3.5"		.33gal/ft
Live Organisms present —			Com	ments		
Oil-Like Present — Odor Present —	-INIG.	KUIT	NIT DT	Ca15	DU	6 213
Debris Present	1 1421	MICIC	NTRE	COVE	fy; /	10.20
Photo Numbers	OFS	EDIMEN	JIMB	OX C	AK	1
CL10/120						WOODTABLET
dirii	(30)	MAT 1	- O MI		- VOI (10000 11 10EC 1

#X)						
wood.	enobscot Riv					g Evaluation
Owner: VSDC			EDIMENT C		ĺ	
Owner: VDDC			3617207	7486	Logger: (LANDAUK
Sub: A51	- ~ ~ 1	WO:			Crew: B	WEYER
	Date: 921	20	Time	e: 0945	Vessel: R	VTESLA
Coordinates: Lat 44.7567	THE RESERVE OF THE PARTY OF THE	Long -68	3.80818	36	Plan Volun	ne: 0.140gal
Sampling Station: BO - Ø2			Deploy N	10. 10		dal Location? NO
Weather: CLDXP,505 Winds: C	J-5mp/	Waters: 0	5'-1.01	Traffic: N		Water Temp:
Measured Water Depth [NAVD8	8]: 12.8		Core	Penetration		The state of the s
Correction to NAVD88 (+/- ft. frc			1) also
NAVD88 Mudline (Corrected Depth) @ NAVD8				overed Core		0/2/20
Study Depth (-NAVD8				ole Length Re		Allon
Required Penetration Lengt				ole Core (80%		
The state of the s			and the street of the street o	Volume Reta		
Sample Interval (ft.)	I Length Me		its are in D	ecimal Fee	et	
Top	Samp	le ld #		D	escription	
				77.		
						**
		\				
			V-	0/11/1	D	
				4/61/6		
				/		
					_/	
Bottom						
L		100-100-100-1				
Number of containers:			_	Nominal cor	Core Volu	ımes
ype of container: bucket iner Type:	liner bag	jar	other	diameter	35324	ST. Volume
nici Type.	Vibracorer: Push Corer	(Box	⟨) ≲lambar	4.0" 3.5"	.5	50gal/ft
Live Organisms present			CONTRACTOR OF THE PARTY.	L	1.3	33gal/ft
Oil-Like Present —	1410 00	A. > -		ments	h a)	2
Odor Present Debris Present	71/2001	MENI	KECONE	14 g	VO.2 (ot
heto Numbers	SEDIM	ENIT	IN BO	X		OF ODTABLET
ashing 1)	-000	DINIAT	FC DEA	NONFI	in wo	ODTABLET
CLAKING TO THE	-006	- 11/1/1/	US KEC	OFICE	VO VOO	
						-

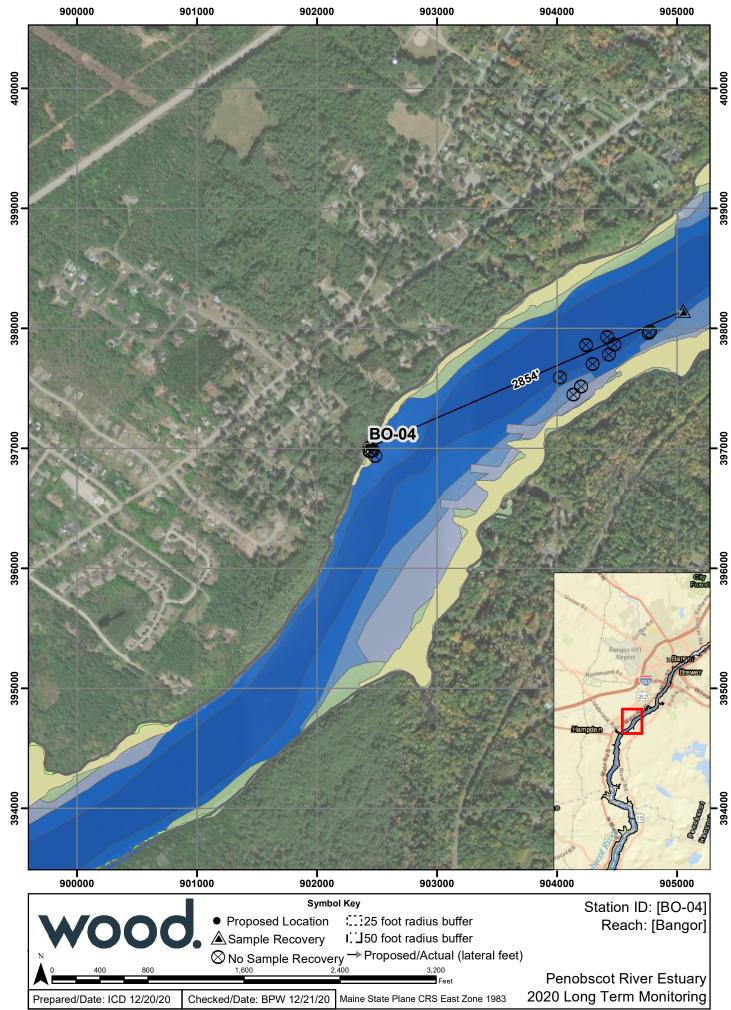
wood.	enobscot R					ng Evaluation
Owner: USDC			SEDIMENT C			
Sub: 451			0.: 36172070	106		C-LABACK
Den: 1421	Date: 9/2	wo: -		00.10	20.00	B. WEYER
				e : 0948	Vessel:	PUTESLA
Coordinates: Lat 44.7566	THE RESERVE OF THE PARTY OF THE	Long - (2.8084	28	Plan Vol	ume: 0-140gal
Sampling Station: BO − Ø	4		Deploy I	No.		-tidal Location? NO
Weather CLEAR, 50x Winds: (7-5moh	Waters: (0.5'-1-0	Traffic:	NONE	Water Temp: —
Measured Water Depth [NAVD8	8]: (0.8)	DELL'ARTE DE L'ARTE	Allenda Strategistania and Analysis (Santa	ker ommedichte de	hardwellings in damen at	selled and problem and a selection of the problem of the selection of the
Correction to NAVD88 (+/- ft. fro	11/0		Core	e Penetration	Length (ft.):
NAVD8			Rec	overed Core	Length (ft.	
Mudline (Corrected Depth) @ NAVD8		TO HALL	Sam	ple Length R	etained (ft.): \9 21/20
Study Depth (-NAVD88				ble Core (80°		
Required Penetration Lengt				Volume Ret	minimum of the same of the same):
Α	II Length M	easurem	ents are in D	ecimal Fe	et	No.
Sample Interval (ft.)	Sam	ple ld#		D	escription	
				1.7		
			Chala	120		
			Le als	1100		
						
+						
Bottom						
Number of containers:					Core Vo	olumes
ype of container: bucket	liner bag	jar	other	Nominal co	re-barrel	EOT W
iner Type:	Vibracorer:	780	Other	diameter 4.0"		EST. Volume .50gal/ft
	Push Corer		Slambar	3.5"		.33gal/ft
Live Organisms present			Cor	nments		
Oil-Like Present Odor Present	-110	RECO	1 POV			
Debris Present —	i .					
hoto Numbers	- CO	SPOIN	ATES RE	COZDED	w) wo	CODTABLET
Ch 9/21/20			: * 15			
						l

	5					
wood.	Penobscot R					Evaluation
Owner: USDC			EDIMENT (
Sub: ASI			:3617207	486	Logger: ()	LA BACK
421	Date: 9 2	WO: —		~	Crew: B	
	LICENSE STREET, STREET	120	Tim	e: 0949	Vessel: P	V TESLA
Coordinates: Lat 44.756		Long -6	8.8688	865	Plan Volum	e: 6.140gal
Sampling Station: BO-0	CONTRACTOR OF A CONTRACTOR OF THE PARTY OF T	THE PART OF THE PART OF THE	Deploy	No. 12	Sub-tid	al Location? NO
Weather: CLEAR SOS Winds:	PERSONAL PROPERTY OF THE PROPE	Waters: 0,2	2) de c	Traffic:		Water Temp:
Measured Water Depth [NAV		\	Core	Penetration	Lenath (ft)	Printed the State of the State
Correction to NAVD88 (+/- ft.	. from D88):		1			101
Mudline (Corrected Depth) @ NAV				overed Core		10/10
Study Depth (-NAVI				ple Length Re		19/11/0
Required Penetration Le				ble Core (80%		
			and the second s	Volume Reta		
6 - 1	All Length Me	easuremer	nts are in D	ecimal Fee	et	
Sample Interval (ft.) Top	Sam	ple ld#		D	escription	
	_					
			01			
			C			
			1.10	-		
			115/1/	,0		
			1			
					_	
↓					_/	
Bottom	ľ					
lumber of containers:						
	- -		_	Nominal cor	Core Volum	nes
pe of container: bucker ner Type:		jar	other	diameter		ST. Volume
тог туре.	Vibracorer: Push Corer	(BO	Słambar	4.0"	.50	Ogal/ft
Live Organisms present ——		STATE MENT OF THE	ration and the same maked	3.5"	.33	3gal/ft
Oil-Like Present	-			nments	15/19	
Odor Present	-INJUFF	ICIENT F	ECOVERI	(; Some	- BOX C	ONTAINED
Debris Present Oto Numbers	- ALARO	GE PIEZI	of wor	D DERP	8(12)	CH.9
Ch lan						
dsike	- (OOK)	NATES	RECORD:	ED ON W	AT door	BLET
				18	1982 3 T A	

24000	Penobscot R	iver Mere	ım ı Ct	5 1		
wood.	Penobscot R			Phase III E	ngineerin	g Evaluation
Owner: USDC			.:3617207			B
Sub: ASI		.WO: ←	3011201	700	Logger: C	LAUBACK
1101	Date: 9/2)	Tim	ne:0954	Crew: B	1
Coordinates: Lat 44.758	A SHOW THE REAL PROPERTY OF THE PARTY OF THE	A SAME TAN	CONTRACTOR OF STREET		Vessel:	
THE RESERVE OF THE PROPERTY OF	SELL CONTRACTOR OF THE PARTY OF	Long -6	8.8060	20	Plan Volur	ne: 0.140yal
Sampling Station: BO - ϕ	The company of the second second		Deploy	No. 13	Sub-ti	idal Location? NO
Weather: CLEAR, 50s Winds	:0-5mph	Waters: 0	5-1.0.	Traffic: N	ONE	Water Temp:
Measured Water Depth [NAV		The second secon	Cor	e Penetration	enath (ft):	Commence of the second state of
Correction to NAVD88 (+/- ft						<u> </u>
Mudline (Corrected Depth) @ NA\	(D88):			overed Core		
Study Depth (-NAV				ple Length Re		9/21/2
Required Penetration Le				ble Core (80%		
				Volume Reta		
0	All Length Me		nts are in D	ecimal Fee	t	100
Sample Interval (ft.)	Samp	ole Id#	建筑的	De	scription	
			ļ			
			(1)	1		
			CL 9/2	1/20		
				1		
			-			
					_	
					\	
♦						
Bottom						
umber of containers:				Y	Core Volu	imes
pe of container: bucket	linoshos			Nominal core	e-barrel	ines
ner Type:	t liner bag Vibracorer:	Jar CBO>	other	diameter		ST. Volume
The County County of the Count	Push Corer	003	Slambar	4.0" 3.5"		50gal/ft
ive Organisms present —	The state of the second second second	30-10-20-00-00-00-00-00-00-00-00-00-00-00-00	Media and decrease and	Accessed to the second	1.0	33gal/ft
Oil-Like Present				nments		
Odor Present — — — — — — — — — — — — — — — — — — —	- IN SUFFI	CIENT	KECOVE	-Y ", SMI	TLL AV	10UNITOF
roto Numbers	SEDIA	NENT 1	IGO) N	IER OF R	\~	,-0,410)
Chapiko	- COOPD	INATES	RECORDA	D ON US	WD HAVE	01 FT
110.1			F	UN W	UP INC	YC

wood.	'enobscot R					ng Evaluation
Owner: VSDC	(4)		EDIMENT (7.786.5	
Sub: AS1			.: 3617207	486		C.LAOBALK
491	Date: 9 2	wo: —	A2500	80-7	Crew: R	-WEYER
Coordinates Let 114 750				e:0957	Vessel:	P V TESLA
Coordinates: Lat 44. 758		Long -6	8.8059	80	Plan Volu	me: 0.140gal
Sampling Station: BO - \$	Control of the State of the Sta		Deploy	No. 14	Sub-	tidal Location? ND
Weather: CLEAR, 505 Winds:	0-5mph	Waters: ()	5-1.0	Traffic: N	ONE	Water Temp: —
Measured Water Depth [NAVD		9	Core	e Penetration	Lenath (ft)	Charles and the second
Correction to NAVD88 (+/- ft. fr NAVD8						101.
Mudline (Corrected Depth) @ NAVD	2.7.	110	1	overed Core		MILL
Study Depth (-NAVD8				ple Length R		
Required Penetration Leng				ble Core (80°		
			A STATE OF THE PARTY OF THE PAR	Volume Ret	THE RESERVE AND ADDRESS OF THE PARTY OF THE	
Sample Interval (#)	MI Length M		nts are in D	ecimal Fe	et	
Sample Interval (ft.)	Sam	ple ld#		D	escription	
	_					
	-		n			
			700	w/sc		
			10	Kitho		
	-					
					/	
↓						
Bottom						
lumber of containers:					C \/	
			_	Nominal co	Core Vol	umes
/pe of container: bucket ner Type:	liner bag	jar	other	diameter	E.	EST. Volume
	Vibracorer: Push Corer	- (Bo)	Slambar	4.0"		50gal/ft
Live Organisms present —	A STATE OF THE STA		Water Street,	3.5"		33gal/ft
Oil-Like Present —	1.,,5,5	F - 1		nments		town
Odor Present	-11/100	THCIENT	KELOVEK	1, box	CONTIAI	N ÉO
Debris Present ————————————————————————————————————	SOME	TKKNF	RECOVER WOODY DE	BKIZ (S/	×0.3 ×0	.2`)
Ola I.						
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	İ					

wood.	Pen	obscot Riv	er Mercury	Study - Ph	ase III Er	ngineering	Evaluation
				DIMENT CO			10.530005
Owner: USDC			Project No.:	3617207	486		LAUBACK
Sub: AS1		-1	wo: —				. WEYER
	12-0/WIR-70W	Date: 9 21	120	Time :	0959	Vessel: R	V TESLA
Coordinates: Lat 44.75	85	20	Long -68	2. 86491	4	Plan Volum	ie: 0.140gaj
Sampling Station: BO -(D4	DERECKSON OF REAL PROPERTY.	20 0000 HI 1000 CO	Deploy No.	15	Sub-tic	lal Location? No
Weather: CLEAR, 50S Wir	nds: () -	5mph	Waters: 0.5	5-1.0	Traffic: N	ONE	Water Temp: —
Measured Water Depth [N	NAVD88]:	19.01		Core F	Penetration	Length (ft.):	
Correction to NAVD88 (+	·/- ft. from NAVD88):			Recov	ered-Core	Length (ft.):	0.2
Mudline (Corrected Depth) @	NAVD88:					etained (ft.):	0.7
Study Depth (-N						6 recovery):	
Required Penetration	n Length:	0.5				ained (gal.):	0.056
	All	Length Me	asuremen	ts are in De	cimal Fe	et	
Sample Interval (ft.)		Samp	ole ld#		D	escription	
Top 0.0-0.2	1		-02	VERY DARKI NIKE SILT I PATETICULAT ALLUU UM	GRAYISH & WITH MINI ES, HOMOG	ROWN (2.5 IMAL CLAS LENOUS, NO	Y 3/2) OFGANIC- TICLAY-SIZED N-PLASTIC
				.,			
			CL 9	21/20			
						_	
Bottom							
Number of containers:			0			Core Vo	lumes
	ucket	liner bag	2 jar	other	Nominal c	ore-barrel	EST. Volume
Liner Type:		Vibracorer:	(BOX) Other	diameter 4.0'		.50gal/ft
ACETATI	5	Push Corer		Slambar	3.5'		.33gal/ft
Live Organisms present N ()			Con	nments		
Oil-Like Present NO				0	00 0	CENTONE	14 dealmone
Odor Present NC Debris Present NC	2	-In sul	rticient	recovery	00 100	- 10000 3	14 deployments
Photo Numbers		hed this	s location	n to be	a grab	sample	location.
NEYER	0	15 hh	al deploy	ments on	both s	sides of	river
Photo Numbers B. WEYER B. ALLIVOZ		channel	and in	close prov	aimity t	d biota	station.





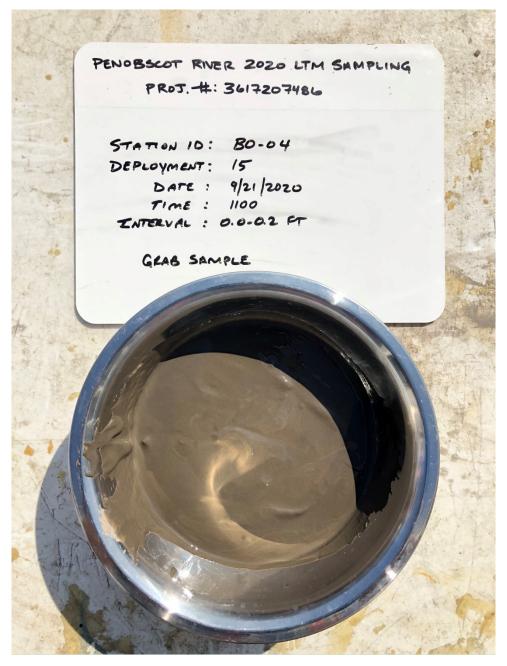


PHOTO 1:

CORE: BO-04

DEPLOYMENT: 15

INTERVAL: 0.0-0.2 FT

DATE: 9/21/2020



APPENDIX B - 2.04

Station Summary – OB-05



STATION SUMMARY						
Station ID: OB-05	Core collection and sample processing date:	Written by:				
	18 Sept 2020	C. Lauback				
Analytes: Total Mercury, Methyl Mercury, To	Analytes: Total Mercury, Methyl Mercury, Total Organic Carbon					
Laboratory: Eurofins		B. Weyer				

A – OB-05 Collection Overview

On Friday, September 18, 2020, Wood scientists cored station OB-05 in the Orrington reach between 11:10am and 11:40am aboard the *R/V Tesla*. The weather was overcast with temperatures in the 50's (°F) and varying winds ranging from 5 to 8-knots from the North. Sea conditions were smooth, with a wave height of 0.5-1.0-ft, providing acceptable conditions for the vessel to hold on location for sampling. A box corer was utilized for sediment collection. Sediment was sampled from the box corer by 1-ft hand push cores with 3-in diameter acetate liners. Four (4) deployments of the box corer were attempted at OB-05 to obtain one (1) 1-ft hand push core with sufficient recovery, designated in the field as OB-05. The core was preserved on wet ice while awaiting to be processed.

B - Field Data Records

See the field forms (Attachment B) for additional information on deployment(s) and core(s) at station OB-05.

C – Deployment Accuracy - GPS Locations

As shown in the Deployment Locations Figure (Attachment C), the location of the four (4) deployments of the box corer at station OB-05 are represented. The deployment represented a non-vegetated subtidal zone accessible anytime within the Orrington reach.

D - Processing Overview

Same-day processing was performed on OB-05 by Wood scientists at the Wood Field Station, Winterport, Maine. Core OB-05 was sampled at pre-designated intervals (0.0-0.1-ft, 0.1-0.3-ft, and 0.3-0.5-ft) by extruding a single interval at a time. The extruder and tools used for extrusion were decontaminated between intervals. Each interval was placed into a stainless-steel bowl, homogenized and aliquoted for analyses of total mercury, methyl mercury (0.0-0.1-ft and 0.1-0.3-ft intervals only) and total organic carbon (TOC). Interval 0.1 - 0.3 ft of OB-05 was selected to be used for a MS/MSD laboratory control sample.

The appearance and textural properties of each push core was described using the Unified Soil Classification (USCS).

Sediment Core Logs are attached (See Attachment B).

Project No.: 3617207486 Page 1 March 2021



OB-05

Push core OB-05 had an acceptable recovery over 0.5-ft.

- 0 0.1 ft very dark greenish gray (GLEY 1 3/1 10Y) clayey SILT with minimal very fine clastic sands, appears organic rich with trace vegetative-like detritus, slightly plastic: ALLUVIUM
- 0.1 0.3 ft: very dark greenish gray (GLEY 1 3/1 5GY) clayey SILT, high organic-like content with trace very fine clastic sands, trace larger (0.01-0.02-ft) organic-like grains, slightly plastic: ALLUVIUM
- 0.3 0.5 ft: dark olive gray (5Y 3/2) silty CLAY with trace fine- and medium-grained clastic sands, trace fibrous root-like organic material, organic-like fines, plastic: ALLUVIUM

E - Photolog

The photo log, included as Attachment D, presents photos of each sample, post homogenization and pre-aliquoting for analytical samples.

Project No.: 3617207486 Page 2 March 2021

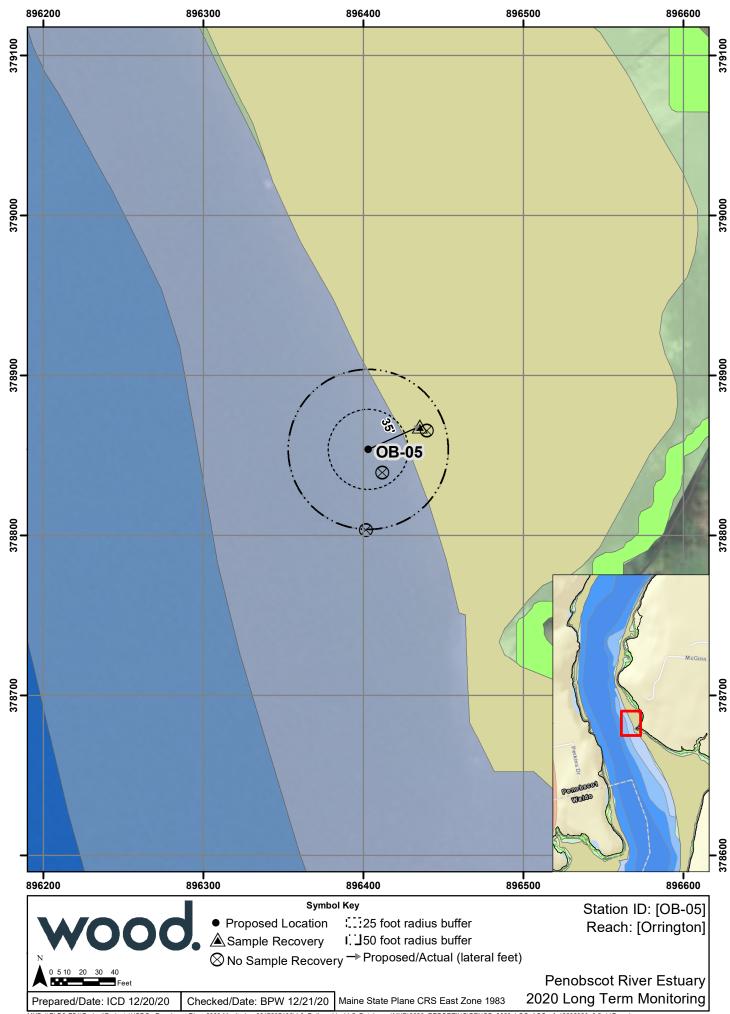
wood.	Pe	nobscot R	liver Mercur	y Study - I	Phase III En	gineeri	ng Evaluation
			SE	DIMENT	ORE LOG		
Owner: USDC			Project No.:	36172074	186	Logger:	C. LAUBACK
Sub: ASI		٦.	wo: ~			Crew:). WEYER
		Date: 9 18	3/20	Tim	e: 1115 (Vessel:	RIV TOSLA
Coordinates: Lat 44.	7054	70	Long -68	. 63 78	19/18	Plan Vol	ume: 0.140ga1.
Sampling Station:	3-05	7.00 20 30 2		Deploy	1	-	o-tidal Location? NO
Weather: OVER (AST, 40s	and the second of the second	-8moh	Waters: (),5		Traffic: NO	COLUMN TO THE PARTY OF THE PART	Water Temp: —
Measured Water De	entievasta stretta		$(-i\omega_1+\omega_2)+a_1\Delta\omega_1+c_2M^2, \ \omega_1^2\omega_2+\ldots+\omega_M^2\omega_1$	- 4.5 411 \$24 F - 42 F A			NAME OF TAXABLE PARTY.
Correction to NAVE)	J-2, 19.5	Cor	e Penetration L	ength (ft	.):
	NAVD88	3):		Rec	overed Core L	.ength (ft	.):
Mudline (Corrected Depti	h) @ NAVD8	8:	×	Sam	ple Length Re	tained (ft	.):
	oth (-NAVD88			Accepta	ble Core (80%	recovery	ı):
Required Pene	tration Lengt	n:		Core	e Volume Reta	ined (gal	.):
	Al	I Length N	1easuremen	ts are in D	ecimal Fee	t	
Sample Interval	(ft.)	Sar	nple Id#	a William . "	, De	scription	eria de la Villa.
Тор							
	i i	State na	91 2 2010 0 X 0		ia s	-	C 7 3 - Religionalis
				<u> </u>			
				2:			
**************************************			and the second			= 101	0:000 -000 -0 3
	20 5 15 15 E	1000	errore a emerce establish		E 8	***	
			·				
		7.910	The state of the s		/-		(e) 1112-25/25
							
1			30 3 0 0 13	I remove and a		######################################	
Bottom							
N					T	Core	///
Number of containers:	_	_	_		Nominal cor		/olumes \
Type of container: _iner Type:	bucket	liner bag	jar_	other	diameter		EST. Volume
iner Type.		Vibracorer: Push Corer	BOX/	Slambar	4.0" 3.5"		.50gal/ft
Live Organisms present	TOTAL MALASTA	Wertservice					.33gal/ft
Oil-Like Present			6-210 (a 0)		mments		
Odor Present		TTA-	EMPTED	3 DE	bronmen.	12 OE	BOX CORER
Photo Numbers		TICH	H MSVFF	PICIANT	TSFDIMI	ITHE	IOLUMES.
· auch			NAMES AND ASSESSED OF STREET		30	-water of the	20.000
B. WE 1202	D						
B. Welch							

wood.			Ē.		igineen	ng Evaluation
0 136 17.0	·		DIMENT CO		>10-11-21-21-21-21-21-21-21-21-21-21-21-21-	0 111 51617
Owner: USDC		Project No.: 3	61+20+4	86		C. LAUBICK
Sub: ASI	Date: 9/18	WO:	Timo	: 1120		B. WEYER
W 3.55			STORES OF STREET		CANADA PARA CANADA CANA	RIVTESLA
Coordinates: Lat 44. 7053	A STATE OF THE STA	Long -68	. 83790	DS	Plan Vol	ume: 0.140gal
Sampling Station: 08-05	weekstra turkeraktiv		Deploy N	o. <u>2</u>	Sub	-tidal Location? ND
Weather: OVERCAST, 50s Winds: 5	-8mph	Waters: 0.5	-1.0 '	Traffic: /\	ONE	Water Temp:
Measured Water Depth [NAVD88	1: 15.2		Core	Penetration	Length (ft	.):
Correction to NAVD88 (+/- ft. fro			Dana		I	.): CL9/18/20
Mudline (Corrected Depth) @ NAVD88				vered Core		
Study Depth (-NAVD88				ole Length R		
Required Penetration Lengtl	- /			Volume Ret		
		leasurement		or other locations.		
Sample Interval (ft.)	A THE WATER STATE OF	nple ld#	s are in Di		escription	
Top Top	Jan Sai	liple lu #			rescription	

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		10	1 100			79
		100	4/19/10			
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	1111			\		J. I S. II. S. II. S. II. S. III. S. II. S.
				_		
				\		
Bottom						
Number of containers:				T	Core	Volumes
	ļ., —			- Commode Nation &	ore-barrel	
Type of container: bucket Liner Type:	liner bag Vibracorer:	BOX	other	diameter 4.0	п	EST. Volume .50gal/ft
	Push Core		Slambar	3.5		.33gal/ft
Live Organisms present	Section Control of the Control of th	The state of the s	Co	mments		
Oil-Like Present	-1119	SURPICIE	AIT PA	- COLPS	2.7	
Odor Present — Debris Present —	1		41 PC		~ 1	
Photo Numbers	1					
C/2/18/50						
10.11	THE STATE OF THE S					
Odor Present — Debris Present	- INS	BUFFICIE	NT RI	ECOVET	2 Y	

					20. 60.	
wood.	obscot Ri	ver Mercury			ngineering	Evaluation
0.221			DIMENT CO		1 0	LAUBAUK
Owner: USD C			36172074	00	Logger: C.	WEYER
Sub: AS 1	Date: 9/18	wo:	Time:	1125	Vessel: P	
Coordinates: Lat 44.7-05-5		Long - 68				e: O.14/Ogal
		Long – 68				The second secon
Sampling Station: 6805			Deploy No.	A STATE OF THE STA		al Location? NO
Weather: 6 VEXCAST, 50s Winds: 5	1948-	Waters: 6.5	5-1.0	Traffic: N	IONIE /	Water Temp: —
Measured Water Depth [NAVD88]	<u> </u>		Core F	Penetration	Length (ft.):	
Correction to NAVD88 (+/- ft. from NAVD88)			. Recov	ered Core	Length (ft.):	100
Mudline (Corrected Depth) @ NAVD88			Sampl	e Length R	etained (ft.):	1911810
Study Depth (-NAVD88)	•				% recovery):	
Required Penetration Length			Core \	√olume Ret	tained (gal.):	
All	Length M	easuremen	ts are in De	cimal Fe	et	SALESTING SERVICE AND ARROWS THE SERVICE OF THE SER
Sample Interval (ft.)	Sam	ple ld#		D	Description	
Тор						
	11.00.00.00.00.00.00.00.00.00.00.00.00.0					
	_					(Primary agency (1971)
			0.1			
			(CC)	18/20		
			11	101		
	-					
						2
Bottom						
Number of containers:					Core Vo	lumes
Type of container: bucket	liner bag	jar	other	Nominal o	core-barrel	EST. Volume
Liner Type:	Vibracorer:	80	2)	4.0		.50gal/ft
	Push Corer		∕Slambar	3.5		.33gal/ft
Live Organisms present			Cor	nments		
Oil-Like Present Odor Present		- MATA	IT DEC	ALRRY		
Debris Present —	1 - IN	SWPICET	AL FCC	.U VOP 1		
Photo Numbers						
Callelico						

wood.	obscot River Mercury			ing Evaluation		
		IMENT CORE LO		A D		
Owner: $050c$		8617207486		r.C. LAUBACK		
Bub: ASI	WO: —	- 1.20		B.WEYER		
	Date: 9 18 20	Time :∖∖3⊂	Vesse	II: R/V TESUA		
oordinates: Lat 44.705549	Long - 68.	837777		/olume: 0.140 gal		
Sampling Station: 08 -05	agentin a state of the state of the state of the state of the state of the state of the state of the state of	Deploy No.	S	Sub-tidal Location? NO		
Veather: 00 PLAST 50s Winds: 5-	-8mgh Waters: 0.5-	- (Traffic	NONE	Water Temp:		
Measured Water Depth [NAVD88]:	14,3	Core Penetra	tion Length	(ft.): 0,8°		
Correction to NAVD88 (+/- ft. from NAVD88):		Recovered (Core Length	(ft.): 0,5		
Mudline (Corrected Depth) @ NAVD88:		Sample Leng	-	-\		
Study Depth (-NAVD88):		Acceptable Core	(80% recov	rery): YES		
Required Penetration Length:	0.5'	Core Volume	Retained (gal.): 0.140gal		
All	Length Measurement	ts are in Decima	Feet			
Sample Interval (ft.)	Sample ld #		Descript			
Top O'N' O'N'	00-01	VERY DARK GRE	ENISHGR	AYGLEYI 3/10x)		
0.0 - 0.1		CLASTIC SAN	DS; OFGA	MAL VERY PINE NICKICH, TR VEGETA		
	@1540	DETRITIS, ALL	UNUM, S	LIGHTLY PLASTIC		
CL 9/18/20	Class		01 0	1		
1/18/00	118120		chy	18/20		
0.1-0.3	01-03	VERY DARK GR	EBN1840	RAY (GLEY) 3/15GY)		
10.1-0.5		CLAYEY SILT; HIGH ORGANIC WITH TRACE VERLY SCHIBETINE CLASTIC SANDS, TRACE LARGER				
	@1542	(0.01-0.0Z)ORGA	MIGINE	FINES, ALLUVIUM,		
el aligizo	01 9/18/20	SLIGHTLY PL	ASTIC			
1 30 4/10/00	W Motor	494	in start	II II SIA-LONGIX		
		605		I S C T A LAV MY TO		
0.3-0.5	03-05	TRACE FINE AN	D MEDIUM	12) SILTY CLAY WITH SPAINED CLASTIC SANDS		
0.0 0.0	.05.05	TRACE FIBROU	S ROOT -	LIKE ORGAMIC		
*	1	MATERIAL, OF	ecs ANIC-1	LIKE FINES, PLASTK		
Bottom		FELOUION		ore Volumes		
Number of containers: —	- (o	Nom	inal core-ba			
Type of container: bucket	liner bag jar	other diam		EST. Volume		
Liner Type: ACETARÉ	Vibracorer: Box Push Corer) Slambar	4.0" 3.5"	.50gal/ft .33gal/ft		
A Section of State of Control of	rusii colei			1.0094.11		
Cive Organisms present NO Oil-Like Present NO		Commer				
Odor Present NO	- DUPLICATE W	HODLANNED	LIEKE-	ONA ONF COXE		
Debris Present NO	PUSHED INTO	BOX CORE H	AD EN	JUGH RECOVERY		
Photo Numbers						
a WEYE 12020						
6:102						





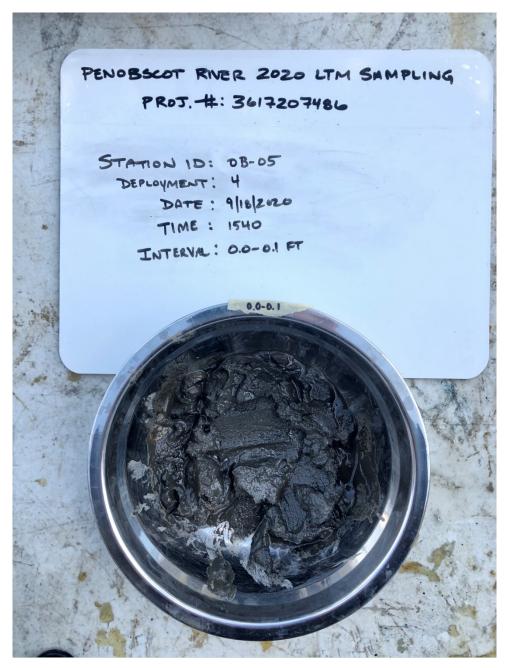


PHOTO 1:

CORE: OB-05

DEPLOYMENT: 4

INTERVAL: 0.0-0.1 FT



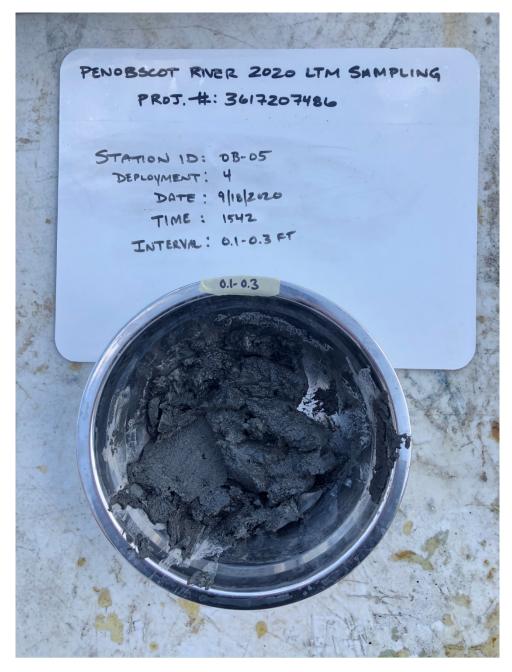


PHOTO 2:

CORE: OB-05

DEPLOYMENT: 4

INTERVAL: 0.1-0.3 FT





PHOTO 3:

CORE: OB-05

DEPLOYMENT: 4

INTERVAL: 0.3-0.5 FT



APPENDIX B - 2.05

Station Summary – W-17-N



STATION SUMMARY					
Station ID: W-17-N	Core collection and sample processing date:	Written by:			
	17 Sept 2020	C. Lauback			
Analytes: Total Mercury, Methyl Mercury, To	Checked by:				
Laboratory: Eurofins	-	B. Weyer			

A – W-17-N Collection Overview

On Thursday, September 17, 2020, Wood scientists cored station W-17-N in the Winterport reach between 10:05am and 10:25am aboard the *R/V Tesla*. The vessel was used to provide the sampling crew access to the high marsh area where the station was located. The sampling crew disembarked from the vessel and continued on foot to the sampling location. The weather was clear with temperatures in the 60's (°F) and varying winds ranging from 5 to 10-knots from the Southwest. Sea conditions were negligible to sampling effort, as station was accessed by foot. A Watermark Universal Core Head Kit (Watermark) was utilized for sediment collection via push coring. Sediment was collected with the Watermark directly into a 1-ft x 3-in diameter acetate liner. Two (2) 1-ft push cores were collected from two single attempts with the Watermark, designated in the field as W-17-N-A and W-17-N-B. Two cores were collected at this station in case sample integrity of a single core were to become compromised between collection and processing. Cores were preserved on wet ice while awaiting to be processed.

B - Field Data Records

See the field forms (Attachment B) for additional information on deployment(s) and cores at station W-17-N.

C - Deployment Accuracy - GPS Locations

As shown in the Deployment Locations Figure (Attachment C), the location of the two deployments of the Watermark push corer are represented for station W-17-N. The deployments represented a vegetated high marsh zone accessible at highest high tide within the Winterport reach.

D – Processing Overview

Same-day processing was performed on W-17-N by Wood scientists at the Wood Field Station, Winterport, Maine. Core W-17-N-A, designated during processing as W-17-N, was sampled at pre-designated intervals (0.0-0.1-ft, 0.1-0.3-ft, and 0.3-0.5-ft) by extruding a single interval at a time. The extruder and tools used for extrusion were decontaminated between intervals. Each interval was placed into a stainless-steel bowl, homogenized and aliquoted for analyses of total mercury, methyl mercury (0.0-0.1-ft and 0.1-0.3-ft intervals only) and total organic carbon (TOC).

The appearance and textural properties of each push core was described using the Unified Soil Classification (USCS). Cores contained a strong sulfur-like odor throughout.

Sediment Core Logs are attached (See Attachment B).

Project No.: 3617207486 Page 1 March 2021

US District Court – District of Maine 2020 Sediment, Water Quality, and Aquatic Biota Monitoring Report Penobscot River Estuary



W-17-N

Push core W-17-N had an acceptable recovery over 0.5-ft.

- 0 − 0.1 ft: very dark grayish brown (2.5YR 3/2) silty PEAT, with fibrous in-situ root mass, no observed live organisms, four large (>1-in) wood debris (removed from sample): MARSH
- 0.1 0.3 ft: very dark grayish brown (2.5YR 3/2) silty PEAT, dense fibrous root matting (in situ), no live organisms, observed six (6) pieces of woody debris (0.5-1.0-in) removed: MARSH
- 0.3 0.5 ft: very dark grayish brown (2.5YR 3/2) silty PEAT, dense fibrous root matting (in situ), no live organisms observed: MARSH
- 0.5 0.62 ft: very dark grayish brown (2.5YR 3/2) silty PEAT, dense fibrous root matting (in situ), no live organisms observed: MARSH

E – Photolog

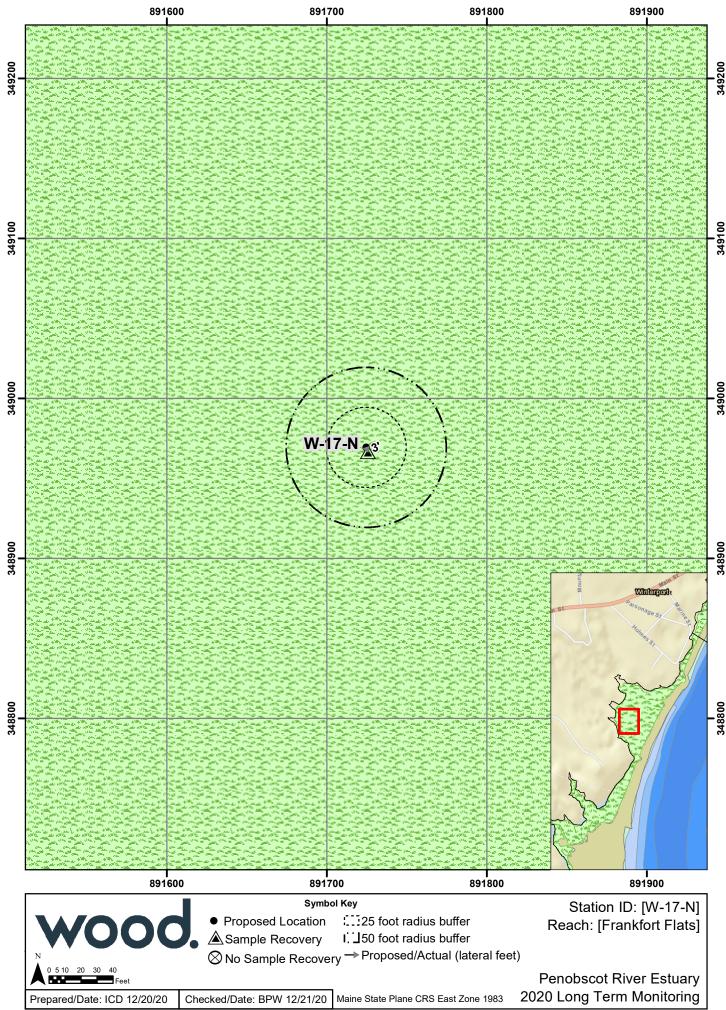
The photo log, included as Attachment D, presents photos of each sample, post homogenization and pre-aliquoting for analytical samples.

Project No.: 3617207486 Page 2 March 2021

wood.	obscot River Mer	cury Study -	Phase III E	ngineeri	ng Evaluation
WOOO .		SEDIMENT	CORE LO	3	
Owner: USD C	Project	No.: 3617 21	7486	Logger:	C. LAUBACK
Sub: ASI	wo: -			Crew: P	.WEYER
The second secon	Date: 9 17 20	Ti	me : 1005	Vessel:k	2/V TESLA
Coordinates: Lat 44.62347	Long —	68.85 <i>5</i> 39	! O	Plan Vol	ume: 0.140gal.
Sampling Station: W-I7-N		Deplo	y No.	Sub	o-tidal Location? NO
Weather: SUNNY (60s Winds:	Waters:	< 1.0°	Traffic:	NONE	Water Temp:
Measured Water Depth [NAVD88]:	ØN/A MALS	H C	ore Penetratio	n Length (ft	.): 0,67
Correction to NAVD88 (+/- ft. from NAVD88):		R	ecovered Cor	e Lenath (fl	1.0 61
Mudline (Corrected Depth) @ NAVD88:			ample Length		
Study Depth (-NAVD88):			table Core 480		T.O
Required Penetration Length:	~ ~ !		ore Volume R		
	Length Measure			CONTRACTOR OF THE PARTY OF THE	
Sample Interval (ft.)	Sample Id #		The second secon		Facility and School
Ton		VERY OF	ATK GRAYI	SIT BROWN	N (Z.SYR 3/Z) TBROWS INSITU D ZIVE OXUMISAS RISRBMONED FROM SA
1.0-0.0	00-01	SILTYH	42917 PENT	WITH F	TBROUS INSTITUTE
	@ 1656	Pour	MKSS NO	o doct deb	RISREMOVED FROM SA
0.1'-0.3'	01 22	VERY	DKKK OKH	LIDH AKO	MM (50 AF 215)
0.1-0.3	01-03	SILIV I	PEAT, DEN	SE FIBRO	ISMS OBSPRICE
	@ 1658	SIXPIEC	ES OF WOODY	DEBLIXO	ISMS OBSERVED 1.5-1") REMOVED, Pt. 1 (2.5YR 3/2)
0.3-0.5	03-05	NELS A D	ARKGRAYI	SH BROWN	(2.5 YR 3/2)
0.5.0.3	200	SILTY	IND LINE	JE FIBR	OUS ROOT MATTING ISMS O'BSERVED, PE.
	@ 1700				
0.5 -0.62					N(2.5 YR 3/2)
0.0 0.62		UNSIT	n) VIOTINE	ORG AN	IS ROOT MATTING ISMS OBSERVED, PL.
	_		,		, ,,
Bottom					
			1	Core	Volumes
Number of containers:	- $($) -		core-barre	
Type of container: bucket	liner bag ja	r othe	4.0	r .0"	EST. Volume .50gal/ft
Liner Type: ACETATE	Vibracorer: Push Corer	Slambar		.5"	.33gal/ft
Live Organisms present NO			Comments	- Vin	
Oil-Like Present NO	- CONPOININT	RECORDE	D ON WO	OD TARS	ET WTRIMBLE
Odor Present VESS	RI GPS RE	CEIVER.	end S	3 .2	
Debris Present NO Photo Numbers					
Photo Numbers B. WEYET	- SULPUR-LI	KE SMELL	THROUGH	OUT COR	ϵ
B. WET 12020			**		
0/22/					

							
wood.	Pen	obscot Riv	er Mercury	Study - Pha	ase III Engin	eering Evaluation	
		SEDIMENT CORE LOG					
Owner: USDC			Project No.:	3617207418	6 Log	ger: C.LAUBIACK	
Sub: ASI			wo: —		Cre	w: B. WEYER	
		Date: 9 17 2	೦	Time:	1020 Ves	sel: R/V TESLA	
Coordinates: Lat 44.0	Bearing Property		Long -68	.855390	MARKET AND APPRICATION	n Volume: O.140gal	
Sampling Station: W -	MINISTER PROPERTY.		a rubbe i volument d	Deploy No.	DALIEU COLORDO DE LA LISTE	Sub-tidal Location? NO	
Weather:SUNNY, 60s	Winds:	77.2	Waters: ← 1	.0`	Traffic: NONE	Water Temp: —	
Measured Water Dep	th [NAVD88]:	Ø	ASSESSED TRANSPORTER AND ASSESSED	Core P	enetration Leng	th (ft.): 0.75	
Correction to NAVD8						th (ft.): 0,68	
Mudline (Corrected Depth)	@ NAVD88:					ed (ft.): 0.5 `	
Study Depth	n (-NAVD88):					overy): YES (90%) CX1/7	
Required Penetr	ation Length:	0.5	•			(gal.): 0,140	
- Althoritis - Areas - Constant - Office - In-	All			ts are in De	cimal Feet		
Sample Interval		PROGRAMMENT AND AND A STATE OF THE PARTY OF	Car College Assessment		Descri	ntion	
Sample Interval (ft.) Sample Id #			VERY DAPKGRAYISH BROWN (2.54 3/2) SILTY PEAT WITHALE SAND AND CLAY; REMOVED AFIVE PIECES OF WOODY DEBRIS (0.5-1.0") FROM SAMPLE, PL				
		@17		VEINE DIECES OF MOODS DEBLIS (6.2, 1.0,) THOW			
0.1-0.	3`	01-0	3_009	SETY PEAT	CERTOENSE	ROWN (2,5Y3/2) ROOT MATTING, MINIMA	
		@17	31	SEDIMEN			
0.3'-0	5	03-0	5_DOP			ROWN (2.5 Y 3/2)	
0,5	, S	@17:		MINIMAL	SEDIMENT	FROOT MATTING,	
0.5-0	101			DARK GR	KWOJE HZIYA	1(2,54411)	
0.5 -0	.08			SILTY PET	AT, VERY DE DORGANIC	ENSE POOT MATTING LIKE SED, -NON-CLASTY	
				Pt			
♦ Bottom	\						
Number of containers:			(,			Core Volumes	
			Ψ		Nominal core-b		
Type of container: Liner Type:	bucket	liner bag Vibracorer:	jar	other	diameter 4.0"	EST. Volume .50gal/ft	
ACETATE		Push Corer		Slambar	3.5"	.33gal/ft	
Live Organisms present	10		7, C - 11, C - 2, C - 1, C - 1	Con	ments	,	
	10	- COOPD	INETES .	RECORDE) ON WOO	D TABLET W	
Odor Present NO)	TRIME	SLE RI	GPS REC	EIVER.		
Debris Present N	0						
Photo Numbers							

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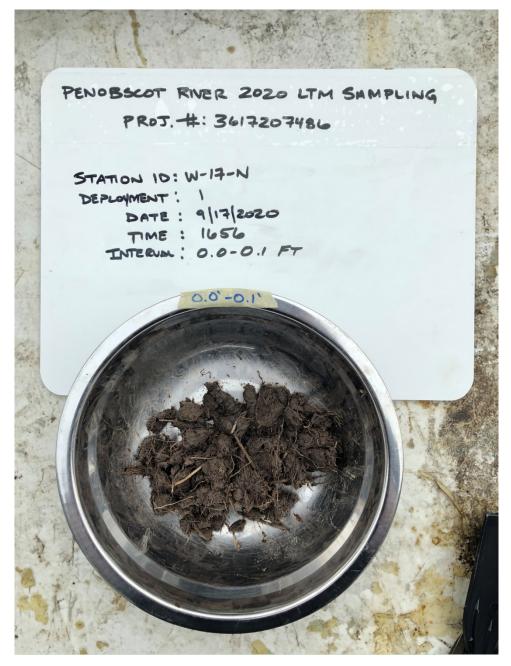


PHOTO 1:

CORE: W-17-N

DEPLOYMENT: 1

INTERVAL: 0.0-0.1 FT





PHOTO 2:

CORE: W-17-N

DEPLOYMENT: 1

INTERVAL: 0.1-0.3 FT



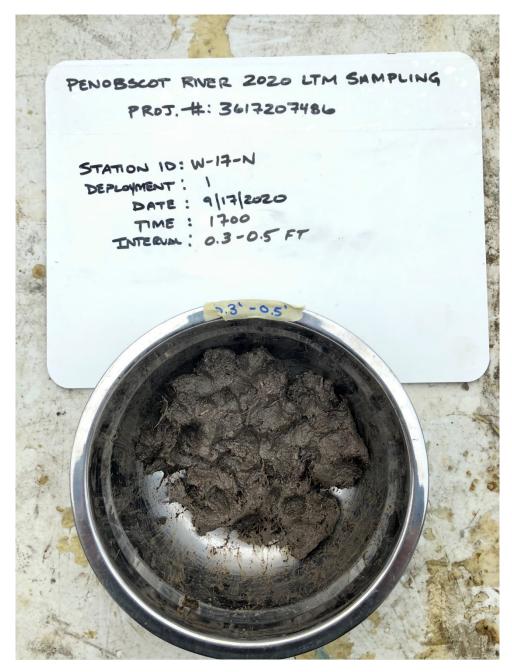


PHOTO 3:

CORE: W-17-N

DEPLOYMENT: 1

INTERVAL: 0.3-0.5 FT



APPENDIX B - 2.06

Station Summary – W-17-High



STATION SUMMARY				
Station ID: W-17-High	Core collection and sample processing date: 21 Sept 2020	Written by: C. Lauback		
Analytes: Total Mercury, Methyl Mercury, To		Checked by:		
Laboratory: Eurofins	-	B. Weyer		

A – W-17-High Collection Overview

On Monday, September 21, 2020, Wood scientists cored station W-17-High in the Winterport reach between 2:24pm and 3:05pm. The weather was clear with a temperature of 65°F and winds from the North. Sea conditions were negligible to sampling effort, as station was accessed by foot. A shooter shovel was utilized for sediment collection. The shooter shovel penetrated 0.7-ft into the subsurface and sediment was sampled directly from the shooter shovel.

B – Field Data Records

See the field forms (Attachment B) for additional information on deployment(s) and core(s) at station W-17-High.

C – Deployment Accuracy - GPS Locations

As shown in the Deployment Locations Figure (Attachment C), the location of station W-17-High represents the single collection point with the shooter shovel. The deployment represented a vegetated high marsh zone accessible at low tide within the Winterport reach.

<u>D – Processing Overview</u>

Same-day processing was performed on W-17-High on September 21, 2020 by Wood scientists on location. Sediment was sampled at pre-designated intervals (0.0-0.1-ft, 0.1-0.3-ft, and 0.3-0.5-ft) by extruding a single interval at a time. The extruder and tools used for extrusion were decontaminated between intervals. Each interval was placed into a stainless-steel bowl, homogenized and aliquoted for analyses of total mercury, methyl mercury (0.0-0.1-ft and 0.1-0.3-ft intervals only) and total organic carbon (TOC).

The appearance and textural properties of each push core was described using the Unified Soil Classification (USCS).

Sediment Core Logs are attached (See Attachment B).

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W-17-High

There was acceptable recovery with the shooter shovel at station W-17-High.

- 0.0 0.1 ft: dark brown, clayey SILT, some fine roots, wet, low plasticity
- 0.1 0.3 ft: dark brown SILT, some clay, very dense roots, saturated
- 0.3 0.5 ft: dark brown SILT, some clay, few roots, wet
- 0.5 0.75 ft: dark brown, SILT, some clay, dense roots, saturated

E – Photolog

The photo log, included as Attachment D, presents photos of each sample, post homogenization and pre-aliquoting for analytical samples.

Project No.: 3617207486 Page 2 March 2021

wood.	obscot Ri		y Study - Pha		gineering	Evaluation
		SE	DIMENT CO	RE LOG		ń
Owner: USDC		Project No.:	36172074	186	Logger: 5	. (OUPILA
Sub: NONE		WO:	-			Plante, T. Med
	Date: 9-2	21-20	Time:	1430	Vessel: N	4 (.6
Coordinates: Lat 44.61874	13		8.856681		Plan Volum	e: 6.140 gal
Sampling Station: W-17 - HIG	H-092120	G 4-7(-20	Deploy No.	1	Sub-tid	al Location? No
Weather: 65°F, Cloud Winds: N	orth	Waters:	NA	Traffic:	NA I	Water Temp: ルム
Measured Water Depth [NAVD88]	NA		Core P	enetration	Length (ft.):	1. 0
Correction to NAVD88 (+/- ft. from NAVD88)			Recove	ered Core	Length (ft.):	0.75
Mudline (Corrected Depth) @ NAVD88	-		Sample	e Length R	etained (ft.):	0.5
Study Depth (-NAVD88)	0		Acceptable	Core (80%	6 recovery):	4.05
Required Penetration Length	An man I			-	ained (gal.):	0.140 gal
All	Lenath M	leasureme	nts are in De	cimal Fe	et	
Sample Interval (ft.)		nple ld#			escription	
Тор	W-17: F	464-092126	Darkya			it, some
0.0-0.1	_5ED_0	0-01	Fine roots	S. WET	Tow pla	sticity
	@ 143	5		171		0
	W-17-H	C7H - 092121 1-03	Dack	TUM S	11,50	me clay,
0.1-0.3	-SED-D	F 03	veryden	se roo'	+5,591	va (ec)
	01445	>				
0.3-0.5	W-17-H1	3H-042120 3-05	Samea	s ab	ove, f	en roots,
	10000		wet		,	
	@1455	20	,			Vol.
0,5-6,75		59 a-21-20	DUCK DU	Dun, S	ilt, #	Ente Clay
		(59)	Satrate			
				CV / COO		. 2
			71-720			
↓		(5C) a-				
Bottom						
Number of containers:		(92)		NIa!	Core Vo	olumes
Type of container: bucket	liner bag	iar	other	. Nominal diameter	core-barrel	EST. Volume
Liner Type:	Vibracorer:		Comments	4.0		.50gal/ft
NA	Push Core		Slambar	3.5	5"	.33gal/ft
Live Organisms present NO			Cor	nments		
Oil-Like Present	Shor	Her sh	1210			
Odor Present NO Debris Present NES-			W ()			
Photo Numbers	, O 17					
EYELL						
Photo Numbers B.WEYER 2022						

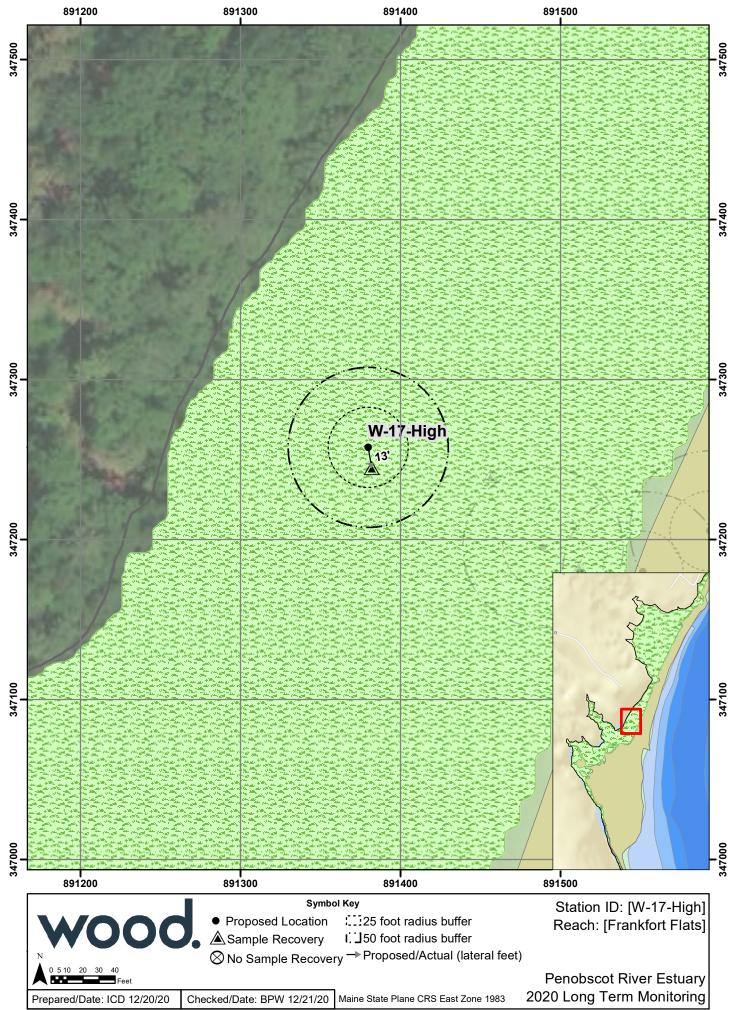






PHOTO 1:

CORE: W-17-High

DEPLOYMENT: 1

INTERVAL: 0.0-0.1 FT





PHOTO 2:

CORE: W-17-High

DEPLOYMENT: 1

INTERVAL: 0.1-0.3 FT



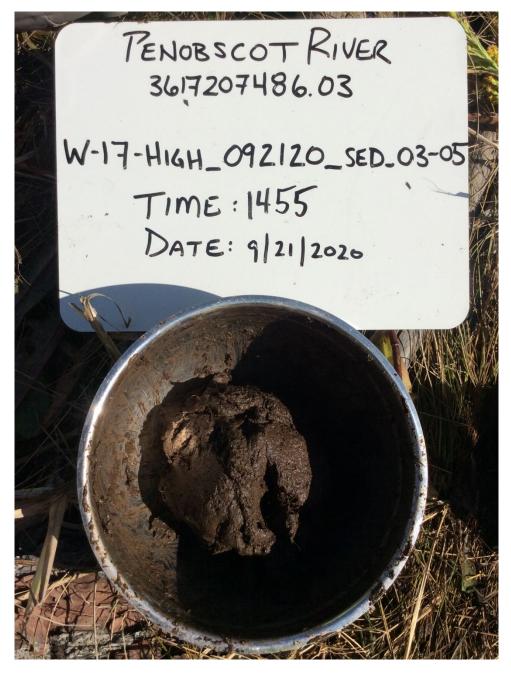


PHOTO 3:

CORE: W-17-High

DEPLOYMENT: 1

INTERVAL: 0.3-0.5 FT



APPENDIX B - 2.07

Station Summary – W-17-Mid



STATION SUMMARY					
Station ID: W-17-Mid	Core collection and sample processing date:	Written by:			
	21 Sept 2020	C. Lauback			
Analytes: Total Mercury, Methyl Mercury, Total Organic Carbon Checked by					
Laboratory: Eurofins		B. Weyer			

A – W-17-Mid Collection Overview

On Monday, September 21, 2020, Wood scientists cored station W-17-Mid in the Winterport reach between 3:05pm and 3:30pm. The weather was clear with a temperature of 65°F and wind from the North. Sea conditions were negligible to sampling effort, as station was accessed by foot. A shooter shovel was utilized for sediment collection. The shooter shovel penetrated 0.85-ft into the subsurface and sediment was sampled directly from the shooter shovel.

B – Field Data Records

See the field forms (Attachment B) for additional information on deployment(s) and core(s) at station W-17-Mid.

C – Deployment Accuracy - GPS Locations

As shown in the Deployment Locations Figure (Attachment C), the location of station W-17-Mid represents the single collection point with the shooter shovel. The deployment represented a vegetated mid-marsh zone accessible at low tide within the Winterport reach.

<u>D – Processing Overview</u>

Same-day processing was performed on W-17-Mid by Wood scientists on location. Sediment was sampled at pre-designated intervals (0.0-0.1-ft, 0.1-0.3-ft, and 0.3-0.5-ft) by extruding a single interval at a time. The extruder and tools used for extrusion were decontaminated between intervals. Each interval was placed into a stainless-steel bowl, homogenized and aliquoted for analyses of total mercury, methyl mercury (0.0-0.1-ft and 0.1-0.3-ft intervals only) and total organic carbon (TOC).

The appearance and textural properties of each push core was described using the Unified Soil Classification (USCS).

Sediment Core Logs are attached (See Attachment B).

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W-17-Mid

There was acceptable recovery with the shooter shovel at station W-17-Mid, over 0.5-ft.

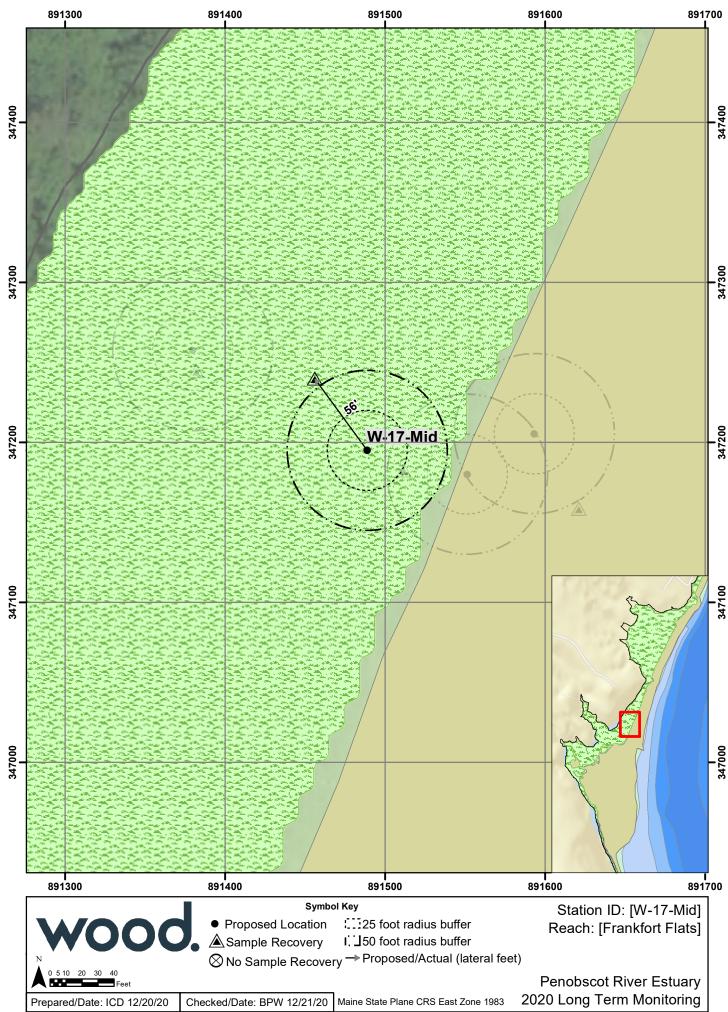
- 0.0 0.1 ft: medium brown, clayey SILT, very dense roots, saturated
- 0.1 0.3 ft: medium brown, clayey SILT, very dense fine and medium roots, saturated
- 0.3 0.5 ft: medium brown, clayey SILT, very dense fine to medium roots, saturated
- 0.5 0.85 ft: medium brown, clayey SILT, decreasing root density with depth, saturated

E – Photolog

The photo log, included as Attachment D, presents photos of each sample, post homogenization and pre-aliquoting for analytical samples.

Project No.: 3617207486 Page 2 March 2021

Pend	obscot River Mercury	/ Study - Phase	III Engineering	g Evaluation	
wood.		DIMENT CORE			
Owner: USD (- TO 1000) Sub: 1000 Coll None Bw 9/22/20 Coordinates: Lat 44.61873	Project No.: wo:	3617207486 Time:150	Logger: S. Crew: H. (COUPLIN Manyert Gerhad, UA ne: 0.140561	C. Godfra
Sampling Station: W-M-W		Deploy No.		dal Location? No	
Weather: (05° + , (WW Winds: Weather)		Traf	fic: NA	Water Temp <u>:</u> [/]#	
Measured Water Depth [NAVD88]:	A 1 A		tration Length (ft.):	1.01	
Correction to NAVD88 (+/- ft. from	-		Core Length (ft.):	0.851	
NAVD88): Mudline (Corrected Depth) @ NAVD88:	M-11/0		ngth Retained (ft.):	0.51	
Study Depth (-NAVD88):			re (80%-recovery):	YES	
Required Penetration Length:	0.51	Core Volun	ne Retained (gal.):	0.140	
All	Length Measuremen	ts are in Decim	al Feet		
Sample Interval (ft.) Top	Sample ld #	Hadamar dassid	Description		
0.0~0.1	W-17-MID-052120 SED-00-01	ned un voi	routs, sut	eysilt,	
6.1-0.3	W-17-MID-092120 -SED-01-03 @1524	CHICAGO W STATE	brown, cla	yey silt, ium voots, satur	eted
0.3-0.5	W-17-MID-092120 -SED-03-05	med: un b	fine to med	geys: 1+, lim roots, sa	water
J.S-0.85	(6) 9-21-70	Same as	above, d	ecylasiny	
Bottom	60	Q-24-20			
Number of containers:	1/10			olumes	1
Type of container: bucket	liner bag (jar)		minal core-barrel meter	EST. Volume	
Liner Type:	Vibracorer: SPC (1) Push Corer	Mments Slambar	4.0" 3.5"	.50gal/ft .33gal/ft	-
		Comme		1	1
Oil-Like Present No	Shouter St	aarel			
Odor Present NO Debris Present NO	1				
DI (NI I	1				
B. WEYER 20					





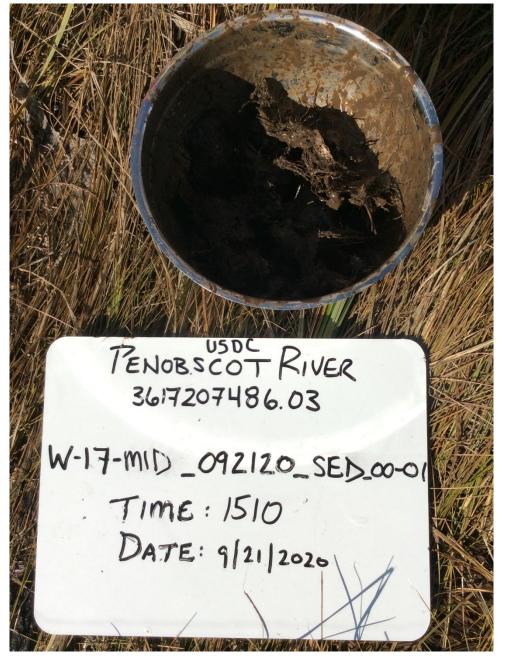


PHOTO 1:

CORE: W-17-Mid

DEPLOYMENT: 1

INTERVAL: 0.0-0.1 FT



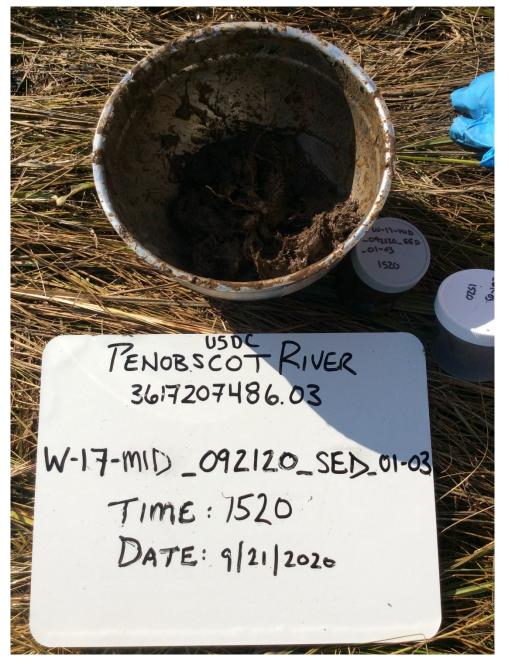


PHOTO 2:

CORE: W-17-Mid

DEPLOYMENT: 1

INTERVAL: 0.1-0.3 FT



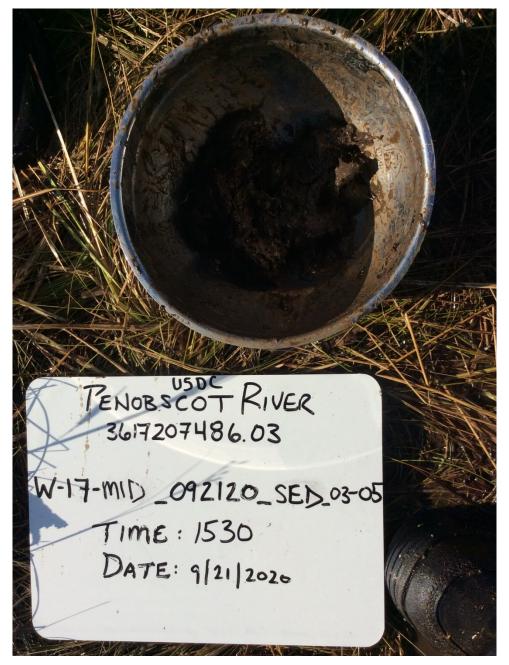


PHOTO 3:

CORE: W-17-Mid

DEPLOYMENT: 1

INTERVAL: 0.3-0.5 FT



APPENDIX B - 2.08

Station Summary – W-17-Low



STATION SUMMARY				
Station ID: W-17-Low	Core collection and sample processing date:	Written by:		
	18 Sept 2020	C. Lauback		
Analytes: Total Mercury, Methyl Mercury, To	Checked by:			
Laboratory: Eurofins		B. Weyer		

A – W-17-Low Collection Overview

On Friday, September 18, 2020, Wood scientists cored station W-17-Low in the Winterport reach between 12:10pm and 12:40pm aboard the *R/V Tesla*. The weather was overcast with temperatures in the 50s°F and varying winds ranging from 5 to 8-knots from the North. Sea conditions were mild, with a wave height of 0.5-1.0-ft, providing acceptable conditions to stay on location for coring. A Watermark Universal Core Head Kit (Watermark) was utilized for sediment collection via push coring. Sediment was collected with the Watermark directly into a 1-ft x 3-in diameter acetate liner. One (1) 1-ft push core was collected from a single attempted with the Watermark, designated in the field as W-17-Low. Core was preserved on wet ice while awaiting to be processed.

B - Field Data Records

See the field forms (Attachment B) for additional information on deployment(s) and cores at station W-17-Low.

C – Deployment Accuracy - GPS Locations

As shown in the Deployment Locations Figure (Attachment C), the location of station W-17-Low represents the single deployment of the Watermark push corer. The deployment represented a vegetated low-marsh zone accessible at highest high tide within the Winterport reach.

D – Processing Overview

Same-day processing was performed on W-17-Low by Wood scientists at the Wood Field Station, Winterport, Maine. The core was sampled at pre-designated intervals (0.0-0.1-ft, 0.1-0.3-ft, and 0.3-0.5-ft) by extruding a single interval at a time. The extruder and tools used for extrusion were decontaminated between intervals. Each interval was placed into a stainless-steel bowl, homogenized and aliquoted for analyses of total mercury, methyl mercury (0.0-0.1-ft and 0.1-0.3-ft intervals only) and total organic carbon (TOC).

Same-day processing was performed on W-17-Low on September 18, 2020 by Wood scientists at the Wood Field Station, Winterport, Maine. Core W-17-Low was sampled at pre-designated intervals (0.0-0.1-ft, 0.1-0.3-ft, and 0.3-0.5-ft) with a designated extruder. Extruder was decontaminated between individual aliquots. The appearance and textural properties of each push core was described using the Unified Soil Classification (USCS). There was a sulfur-like odor present noted during processing, which increased downcore.

Sediment Core Logs are attached (See Attachment B).

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W-17-Low

Push core W-17-Low had an acceptable recovery over 0.5-ft.

- 0.0 0.1 ft: dark olive gray (5Y 3/2) silty CLAY with organic-like and clastic fines, dense insitu root-matting and in-situ live marsh plants, pear: MARSH
- 0.1 0.3 ft: dark olive gray (5Y 3/2) silty CLAY, organic-like and clastic fines, sediment matrix with dense in-situ root matting, low plasticity, peat: MARSH
- 0.3 0.5 ft: dark olive gray (5Y 3/2) silty CLAY, organic-like and clastic fines make up sediment matrix with dense in-situ root matting, low plasticity, peat: MARSH
- 0.5 0.8 ft: dark olive gray (5Y 3/2) silty CLAY, organic-like and clastic fines make up sediment matrix with dense in-situ root matting, low plastic: MARSH

E - Photolog

The photo log, included as Attachment D, presents photos of each sample, post homogenization and pre-aliquoting for analytical samples.

Project No.: 3617207846 Page 2 March 2021

l Pan	obscot Piv	or Marcun	, Study Dh	ace III En	alna avla	e Evelvetie
wood.	iobscot i(iv		DIMENT CC		gmeenn	g Evaluation
Owner: USDC			361720748	10.101111111111111111111111111111111111	Logger (-LAUBACK
Sub: AS 1	2017	WO:	, • ,			- WEYER
1101	Date: 9/18	120	Time	1220		YN TESLIA
Coordinates: Lat 44.61855	15	Long -68	.856182		- P. Charlett F. L. Charlett	me: 0.140gal
Sampling Station: W~17~L	Was to the state of the state o		Deploy No	V-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1		idal Location? NO
Weather: OVERUNST, 50s Winds: 5-		Waters: 0.5	There is a service	Traffic:		Water Temp: -
Measured Water Depth [NAVD88]:	311-11-130 A		Penetration I	enath (ft.):	24/18	
Correction to NAVD88 (+/- ft. from	1					CL9/18
NAVD88): Mudline (Corrected Depth) @ NAVD88:	\$7			ered Core I		
Study Depth (-NAVD88):				e Length Re		
Required Penetration Length:	A = 1			e Core (80% /olume Reta		0
		acuraman				0.140gal
Control of the Contro			ts are in De	Market Street		
Sample Interval (ft.)	Samp	le ld #	OARK OLL	JEGPAN /	escription	UTVZIAV
0,0'-0,1'	00-		POOT-NATT MARSH	LIKE ANDO	LASTIC FI	MES, DENISE GMASSH PLANTS,
0.1'-0.3'	01-	03	DARK OLIV	EGRAY (5 Y 3/2) 8	SILTY CLAY
	@17	No. Talament Manager				INESSEDIMENT OT MATTING MARSH, PE
0.3-0.5		-05 137	MATRIX	LIKE AND WITH DEN	SE ROOM	SILTY CLAY, SINES SEDIMENT MATTING MARSH, Pt.
0.5`-0.8`		er is management	DARK OLI	MEGRAY CLA	STICTINE	
CL 9/18/20 Bottom	crle	1/18/20			CL 9/18/	20
Number of containers:		1			Core Vo	olumes
Type of container: bucket	linor boo	<u> </u>		Nominal co	re-barrel	FOT 11 :
Liner Type	liner bag Vibracorer:	jar	other	diameter 4.0"		EST. Volume .50gal/ft
HCETATE . (Push Corer		Slambar	3.5"		.33gal/ft
Live Organisms present Oil-Like Present NO Odor Present YES ORGANIC Debris Present NO	Comments NICHELLE ORDED WITABLET					
Photo Numbers R. VEYER ALL ALL ALL ALL ALL ALL ALL A	-50LPL	R-LIKE C	DNI 2006	LEIASES	Down(ORE

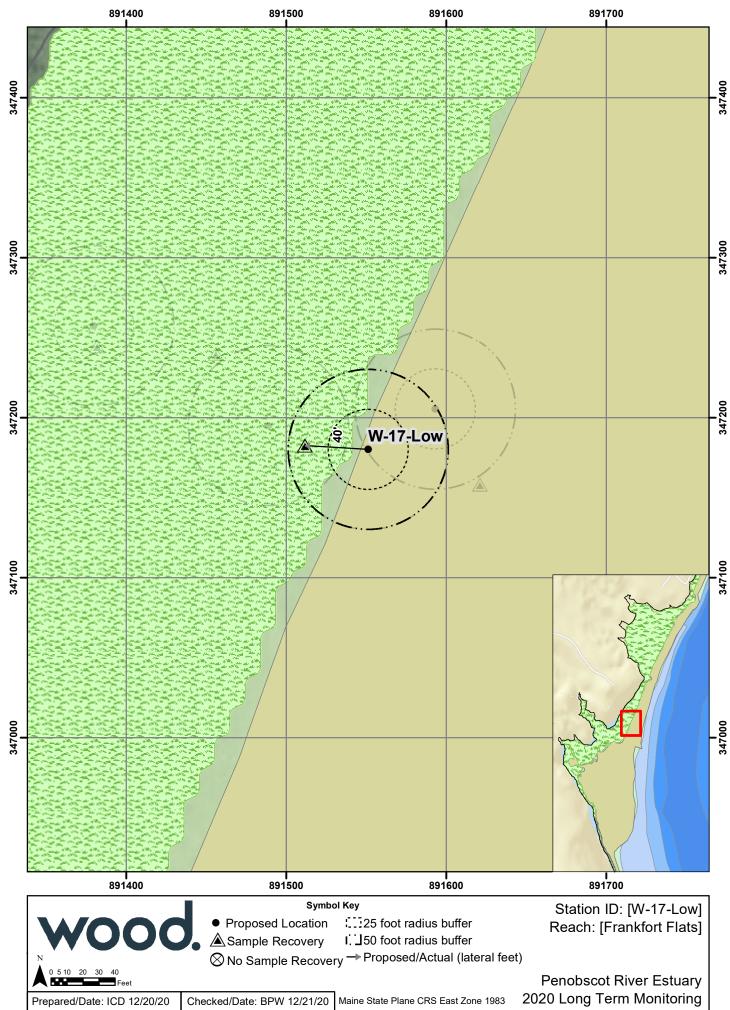






PHOTO 1:

CORE: W-17-Low

DEPLOYMENT: 1

INTERVAL: 0.0-0.1 FT



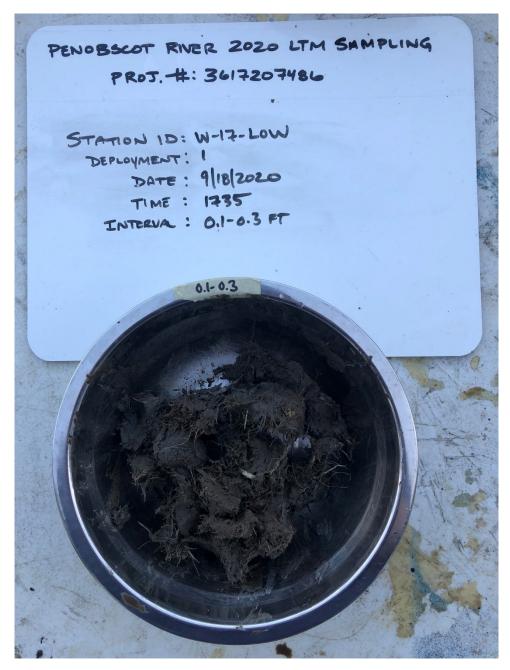


PHOTO 2:

CORE: W-17-Low

DEPLOYMENT: 1

INTERVAL: 0.1-0.3 FT



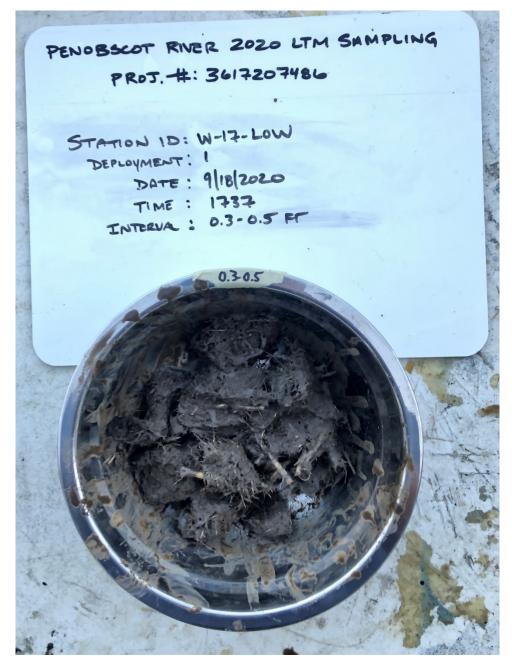


PHOTO 3:

CORE: W-17-Low

DEPLOYMENT: 1

INTERVAL: 0.3-0.5 FT



APPENDIX B - 2.09

Station Summary – W-17-Intertidal



STATION SUMMARY						
Station ID: W-17-Intertidal Core collection and sample processing date:						
	18 Sept 2020	C. Lauback				
Analytes: Total Mercury, Methyl Mercury, To	Checked by:					
Laboratory: Eurofins		B. Weyer				

A – W-17-Intertidal Collection Overview

On Friday, September 18, 2020, Wood scientists cored station W-17-Intertidal in the Winterport reach between 12:10pm and 12:40pm aboard the *R/V Tesla*. The weather was overcast with temperatures in the 50's (°F) and varying winds ranging from 5 to 8-knots from the North. Sea conditions were smooth, with a wave height of 0.5-1.0-ft, providing acceptable conditions for vessel to hold on location for sampling. A Watermark Universal Core Head Kit (Watermark) was utilized for sediment collection via push coring. Sediment was collected with the Watermark directly into a 1-ft x 3-in diameter acetate liner. One (1) 1-ft push core was collected from a single attempted with the Watermark, designated in the field as W-17-Intertidal. The core was preserved on wet ice while awaiting to be processed.

B - Field Data Records

See the field forms (Attachment B) for additional information on deployment(s) and cores at station W-17-Intertidal.

C – Deployment Accuracy - GPS Locations

As shown in the Deployment Locations Figure (Attachment C), the location of station W-17-Intertidal represents the single deployment with the Watermark push corer. The deployment represented a non-vegetated intertidal zone accessible at high tide within the Winterport reach.

D - Processing Overview

Same-day processing was performed on W-17-Intertidal by Wood scientists at the Wood Field Station, Winterport, Maine. Core W-17-Intertidal was sampled at pre-designated intervals (0.0-0.1-ft, 0.1-0.3-ft, and 0.3-0.5-ft) by extruding a single interval at a time. The extruder and tools used for extrusion were decontaminated between intervals. Each interval was placed into a stainless-steel bowl, homogenized and aliquoted for analyses of total mercury, methyl mercury (0.0-0.1-ft and 0.1-0.3-ft intervals only) and total organic carbon (TOC).

The appearance and textural properties of each push core was described using the Unified Soil Classification (USCS). There was a sulfur-like odor observed during processing, which increased downcore to termination.

Sediment Core Logs are attached (See Attachment B).

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W-17-Intertidal

Push core W-17-Intertidal had an acceptable recover over 0.5-ft.

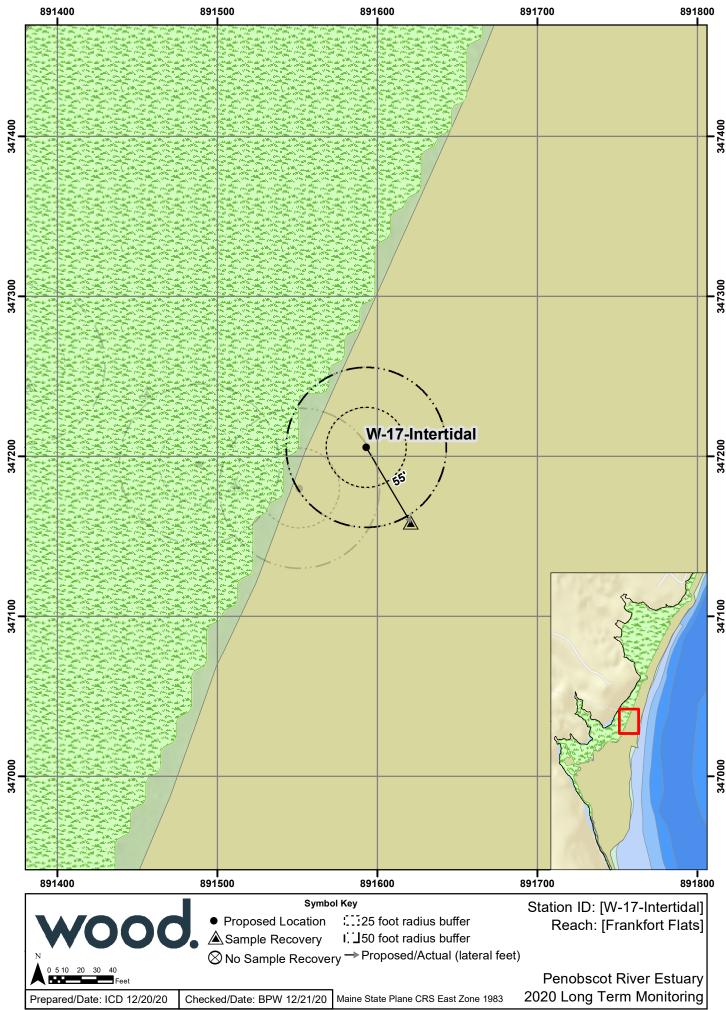
- 0.0 0.1 ft: very dark gray (5Y 3/1) clayey SILT, rich in organic-like material, some very fine clastic sands with trace wood chip, low plasticity: ALLUVIUM
- 0.1 0.3 ft: black (5Y 2.5/1) clayey SILT, some very dark blue-black (GLEY 2 2.5/PB) lenses, one articulated bivalve present, low to medium plasticity: ALLUVIUM
- 0.3 0.5 ft: black (5Y 2.5/1 clayey SILT, organic-like fines, low to medium plasticity: ALLUVIUM

E – Photolog

The photo log, included as Attachment D, presents photos of each sample, post homogenization and pre-aliquoting for analytical samples.

Project No.: 3617207846 Page 2 March 2021

Pen Pen	obscot River Mercury	/ Study - Pha	se III End	nineerin	g Evaluation	
wood.		DIMENT COR		3	g Evaluation	
Owner: VSDC		361720748		Logger: (LAUBACK	
Sub: 451	, wo:			Crew: B	WEYER	
The state of the s	Date: 9/18/20	Time:	230	Vessel: P	V TESLA	
Coordinates: Lat 44.618510	Long -69				me: 0.140ga1	
Sampling Station: W-17 - 1	VIERTIDAL	Deploy No.	١	Sub-t	tidal Location? NO	
Weather: OVERCAST, 503 Winds: 5-	Smph Waters: 6.5	-1.01	Traffic: No	NE	Water Temp:	
Measured Water Depth [NAVD88]:	istoria. A rasconiado comenio nativa difinate comen	Core Pe	enetration L	ength (ft.)	: O ₀ (₀ O	
Correction to NAVD88 (+/- ft. from NAVD88):					:0,58	
Mudline (Corrected Depth) @ NAVD88:			Length Ret			
Study Depth (-NAVD88):		Acceptable			11	
Required Penetration Length:	A .	1			: 0.140	
All	Length Measuremen				. 0.1 10	
Sample Interval (ft.)	Sample Id #	GALL PA	- TV	scription		
Ton		VERY DAR	KGRAY	(5Y3/1) CLAYEY SILT.	
0.0'-0.1	00-01	VERY FINE				
	@ 1606	LOW PLAST	C ALLU	DON) CLAYEY SILT, VERYFINE WOOD CHP,	
0.1'-0.3'	BLACK (5Y 2.5/1) CLAYEY SILT.					
0.1 -0.0	01-03	ONE ARTICUL	BLACK LENS	ES (GLE	Y 2 2.5/15PB), LESENT, M	
	80219					
0.3 - 0.5	03-05	BLACK (54 2.5/1) CLAYEY SILT, ORGANIC- LIVE FINES, LOWTOMED. PLASTICITY,				
	@1610	ALLUNUN	ν, -	OWED	. revollerity	
			0			
Challoles	- N		CC 9	/ .		
79/18/20	9/1			18/20		
1	18/20					
		10.000000000000000000000000000000000000				
Bottom						
Number of containers:	_ (Core V	olumes	
Type of container: bucket	liner bag far		Nominal co	re-barrel	ECT Velvere	
Liner Type:	Vibracorer:) Other C	diameter 4.0"		EST. Volume .50gal/ft	
ACETATE (Push Corer	Slambar	3.5"		.33gal/ft	
Live Organisms present YES		Comr			W. Talk	
Oder Present NO	- COORDINATES	RECORDE	DW T	AB LC	Γ	
Odor Present YES Debris Present NO		590 105				
Photo Numbers	-SUFUR-LIKE	DOOK INC	rease s	500W	N COKE	
TEVEL						
13. WEYER 2020						





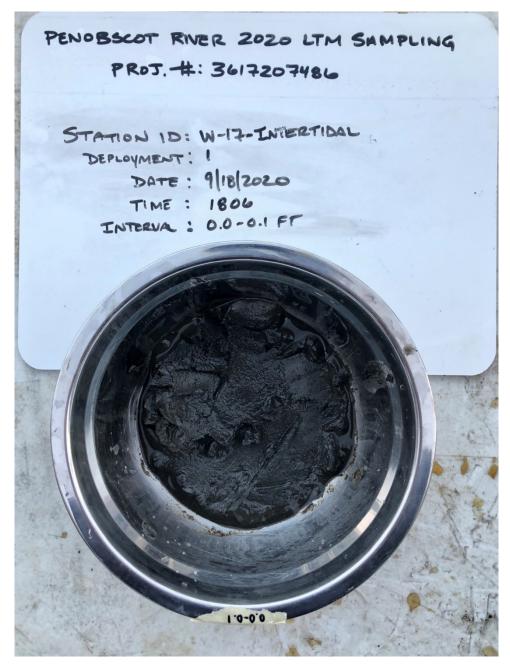


PHOTO 1:

CORE: W-17-Intertidal

DEPLOYMENT: 1

INTERVAL: 0.0-0.1 FT



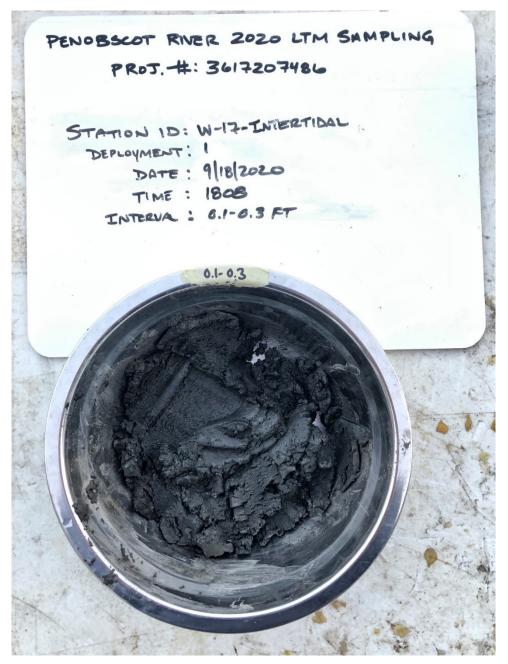


PHOTO 2:

CORE: W-17-Intertidal

DEPLOYMENT: 1

INTERVAL: 0.1-0.3 FT



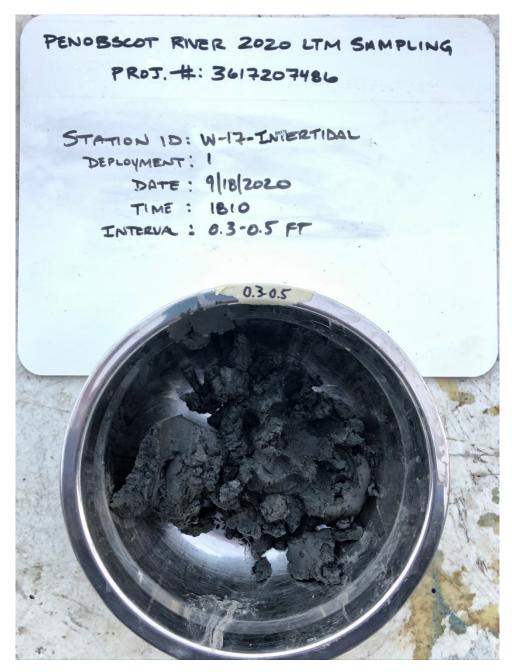


PHOTO 3:

CORE: W-17-Intertidal

DEPLOYMENT: 1

INTERVAL: 0.3-0.5 FT



APPENDIX B - 2.10

Station Summary – FF-08-02



STATION SUMMARY							
Station ID: FF-08-02 Core collection and sample processing date: Written							
	18 Sept 2020	C. Lauback					
Analytes: Total Mercury, Methyl Mercury, To	Checked by:						
Laboratory: Eurofins		B. Weyer					

A - FF-08-02 Collection Overview

On Friday, September 18, 2020, Wood scientists cored station FF-08-02 in the Frankfort Flats reach between 11:40am and 12:10pm aboard the *R/V Tesla*. The weather was overcast with temperatures in the 50's (°F) and varying winds ranging from 5 to 8-knots from the North. Sea conditions were smooth, with a wave height of 0.5-1.0-ft, providing acceptable conditions for the vessel to hold on location for sampling. A box corer was utilized for sediment collection. Sediment was sampled from the box corer by 1-ft hand push cores with 3-in diameter acetate liners. One (1) deployment of the box corer was attempted at FF-08-02 to obtain two (2) 1-ft hand push cores, designated in the field as FF-08-02-A and FF-08-02-B. Cores were preserved on wet ice while awaiting to be processed

B - Field Data Records

See the field forms (Attachment B) for additional information on deployment(s) and cores at station FF-08-02.

C – Deployment Accuracy - GPS Locations

As shown in the Deployment Locations Figure (Attachment C), the location of station FF-08-02 represents the single deployment of the box corer. The deployment represented a non-vegetated intertidal zone accessible at high tide within the Frankfort Flats reach.

D – Processing Overview

Same-day processing was performed on FF-08-02-A and FF-08-02-B by Wood scientists at the Wood Field Station, Winterport, Maine. Cores FF-08-02-A and FF-08-02-B, designated during processing as FF-08-02 and FF-08-02_DUP, were sampled at pre-designated intervals (0.0-0.1-ft, 0.1-0.3-ft, and 0.3-0.5-ft) by extruding a single interval at a time. The extruder and tools used for extrusion were decontaminated between intervals. Each interval was placed into a stainless-steel bowl, homogenized and aliquoted for analyses of total mercury, methyl mercury (0.0-0.1-ft and 0.1-0.3-ft intervals only) and total organic carbon (TOC). Station FF-08-02 was used for laboratory duplicate analyses.

The appearance and textural properties of each push core was described using the Unified Soil Classification (USCS).

Sediment Core Logs are attached (See Attachment B).

Project No.: 3617207486 Page 1 March 2021



FF-08-02

Push core FF-08-02 had an acceptable recovery over 0.5-ft.

- 0.0 0.1 ft: olive gray (5Y 4/2) clayey SILT, wet, low plasticity, heterogeneous with trace fibrous organic root-like strands and a lense of black, organic-rich clayey SILT: ALLUVIUM.
- 0.1 0.3 ft: very dark greenish gray (GLEY 1 3/1 10Y) silty, organic-like CLAY, with trace small fibrous root-like material (0.05') and trace wood chip, one (1) articulated bivalve (~0.05'), medium plasticity: ALLUVIUM
- 0.3 0.5 ft: very dark greenish gray (GLEY 1 3/1 5 GY) clayey SILT with trace very fine fibrous root-like organic-like material, one (1) articulated bivalve, no observed wood chip, medium plasticity: ALLUVIUM
- 0.5 0.62 ft: very dark greenish gray (GLEY 1 3/1 10Y) silty CLAY, homogenous with trace wood chip one (1) articulated bivalve, medium plasticity: ALLUVIUM

FF-08-02_DUP

Push core FF-08-02_DUP had an acceptable recovery over 0.5-ft.

- 0.0 0.1 ft: dark olive gray (5Y 3/2) clayey SILT, wet, non-plastic, heterogeneous with organic-like fines: ALLUVIUM.
- 0.1 0.3 ft: greenish black (GLEY 1 2.5/1 10Y) clayey SILT, homogenous, with trace fine fibrous root-like material, and trace bivalve shell hash, plastic: ALLUVIUM
- 0.3 0.5 ft: greenish black (GLEY 1 2.5/1 10Y) clayey SILT, homogenous, with trace wood chip and trace bivalve shell hash, medium plasticity: ALLUVIUM
- 0.5 0.60 ft: very dark greenish gray (GLEY 1 2.5/1 10Y) slightly clayey SILT with minimal very fine-grained clastic sands, trace woodchip, low plasticity: ALLUVIUM

E – Photolog

The photo log, included as Attachment D, presents photos of each sample, post homogenization and pre-aliquoting for analytical samples.

wood.	obscot Riv	er Mercury	Study - Ph	nase III Er	ngineer	ing Evaluation
· · · · · · · · · · · · · · · · · · ·		SE	DIMENT CO	RE LOG		
Owner: USDC		Project No.:	36172074	86	Logger:	C. LAUBACK
Sub: 1451	(wo:				S. WEYER
	Date: 9 18	3 20	Time	: 1205	Vessel:	R/V TESLA
Coordinates: Lat 44.614478)	Long -68	.830012		Plan Vo	olume: 0.140gal
Sampling Station: FF-08-0	20		Deploy No		Su	b-tidal Location? NO
Weather: OVERLAST, 503 Winds: 5-	8mph	Waters: 0.5	-1.0	Traffic: N	ONE	Water Temp: —
Measured Water Depth [NAVD88]:	9.2	ne i na para de Pago de Ara	Core	Penetration	Length (f	ft.): 0.70°
Correction to NAVD88 (+/- ft. from NAVD88):						t.):0,62°
Mudline (Corrected Depth) @ NAVD88:						ft.): 0,5 '
Study Depth (-NAVD88):						y). YES
Required Penetration Length:	0.5					il.): 0.140
All	Length Me	easuremen	ts are in De	cimal Fe	et	
Sample Interval (ft.)	1995	ole ld#		, D	escription	
Top 0.0' - 0.1'	00 -	\bigcirc	OLIVE GRA	Y (54 4/2) CLAYE	Y SILT HETEROGENIN
0.0	TOTAL TOTAL CONTRACTOR				STRANDS,	
	C 1024 ALLUNUM, LOWPLASTICITY					ncin
0.1-0.3	VERY DARK GREENISH GRAY (GL)					4Y (GLEY 1 3/110Y)
U.1-U.S	Ereme teral our o		SILTY ORGANICHKE CLAY, WITH TRACE SMALL FIBROUS ROOT-LIKE MATERIAL (0:05') AND TR WOOD CHIP, ONE ARTICULATED BIVALUE			
	@1	026				
	_		ALLUNG	IN 'MED	. PLAS	TICITY
		na nama				
0.3-0.5	03.	-05				Y (GLEY 1 3/1 5GY)
0.000			ROOT - LIKE	CRGANI	KHCE N	ERY FINE PIBROOS MATERIAL, ONE
	0/1	628	BIVALVE	FOUND (P	LISTICUS	LATE O) NO
*			OBSERVE	TO WOOD	CHIP,	ALLUNUM,
m = 10 102		20 2 22 8	MED PLA	STICITY	ALLUVI	M (GLEY 1 3/110Y)
0.5'-0.62		_	SILTY CLA	y, HOMOG	ENOUS	TR WOOD CHP, MED PLASTIC ALLUM
Bottom			ONEARTICE	JLATED BI	VALUE, I	MED PLASTIC ALLUM
Number of containers:	~	6	_	N		Volumes
ype of container: bucket	liner bag	jar	other	Nominal condition	ore-barre	EST. Volume
iner Type:	Vibracorer:	BOX		4.0"		.50gal/ft
ALETATE CLALIB	Push Corer		Slambar	3.5"		.33gal/ft
Live Organisms present NO YES				nments		
Oil-Like Present NO	-TABLE	TDIDNO	T RECOR	D COOR 1	MAT	ES, WILL USE
Odor Present YES Debris Present NO	GPS C	TANIDSOC	ES COLLEG	CTED BY	A81'S	S ON BOARD
THE RESIDENCE AND ADDRESS OF THE PARTY OF TH	aps.		ž.			
TEVEL 10						
Photo Numbers B. WE YEA						

wood.	obscot River Mercury	Study - Ph	ase III Eng	ineering	Evaluation		
WOOO.	SEDIMENT CORE LOG						
Owner: USDC	Project No.:	361720741	36 L	Logger: C	LAUBACK		
Sub: AS 1	. wo:		Crew: B.	WEYER			
(A) Imparison the many of the latest and the latest	Date: 9 18 20	Time :	1205 1	/essel: P	V TESLA		
Coordinates: Lat 니니.ⓒ 시니구	8 Long -68,	830012		Plan Volum	e: 0.140gal		
Sampling Station: FF-08-C	22-DUP	Deploy No.	1	Sub-tid	al Location? NO		
Weather: ONE KLAST, 50s Winds: ACK	9/18 5-8MIN Waters: 0.5	-1.01	Traffic: NON	lÉ !	Water Temp: —		
Measured Water Depth [NAVD88]:	9.2	Core F	Penetration Le	ength (ft.):	0.65'		
Correction to NAVD88 (+/- ft. from NAVD88):		Recov	ered Core Le	ength (ft.):	0.6		
Mudline (Corrected Depth) @ NAVD88:			e Length Reta	The second second	0.5		
Study Depth (-NAVD88):			e Core (80%)		YES		
Required Penetration Length:	0.5'		/olume Retair		0.140gal		
All	Length Measuremen	ts are in De	cimal Feet				
Sample Interval (ft.)	Sample Id #			scription	res New Piski		
Top 0.0-0.1	00-01 @1706	DAPIC OLI V ORGANIC-L ALLUVI UI	TKE FINES	3/2) CLP	KYEYSILT; ASTIC		
0.1-0.3	01-03 @1708	SILT, HOM ROOT-LIK SITELL H	OGENUUS, Z EMATERIA MASH, MED,	LK (GLEY I 2.5/I 10Y) CLAYEY NOUS, TR. FINE PIBROUS TERIAL, TR. BI-VALVE I, MED, PLASTICALLUNUM			
0.3'-0.5'	03-05 GREENIS HBLACK (GLEY I 2. J'I 104) SILT, HONCGENOUS, MEDPLASTIC TREWOOD CHRABI-VALUE SHELL HA						
0.5'-0.6'	WERYDARKGREENISHGRAYGLEY 12, SLIGHTLY CLAYEY SILT WITH MININ WERY FINE -GRAINEDCLASTIC SAND WOOD CHIP, LOW PLASTIC KLLUM						
Bottom CL 9/18/20	CL9/18/20		CL	3/20			
Number of containers:	- G		Nominal cor		30.5		
Type of container: bucket	liner bag jar	other	diameter		EST. Volume		
Liner Type: ACETATE	Vibracorer: Box	Slambar	4.0" 3.5"		.50gal/ft .33gal/ft		
Live Organisms present NO	Canad Decover in the Control of the		Andrews was to the same				
Oil-Like Present NO Odor Present YES Debris Present NO	Comments -TRBLET DID NOT RECORD COORDINATES; WILL USE GPS COORDINATES COLLECTED BY ASI'S ON BOARD						
Photo Numbers B. WEVER alzelzozo	SULPUR-LIKE ODOR INCREASING DOWNCOR						

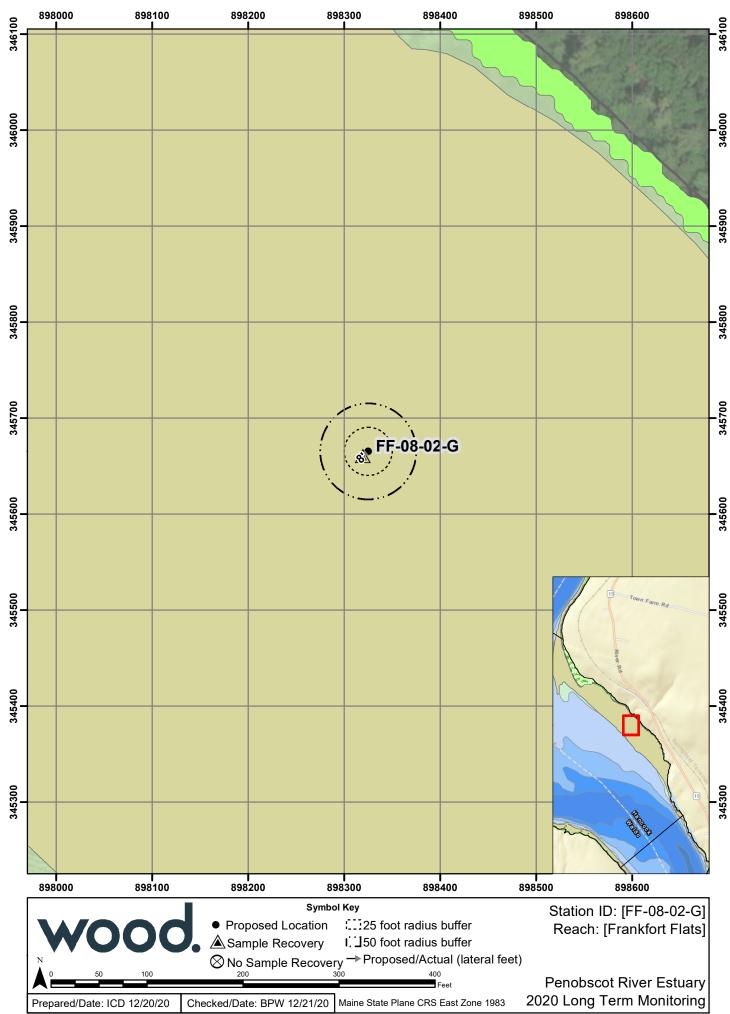






PHOTO 1:

CORE: FF-08-02

DEPLOYMENT: 1

INTERVAL: 0.0-0.1 FT



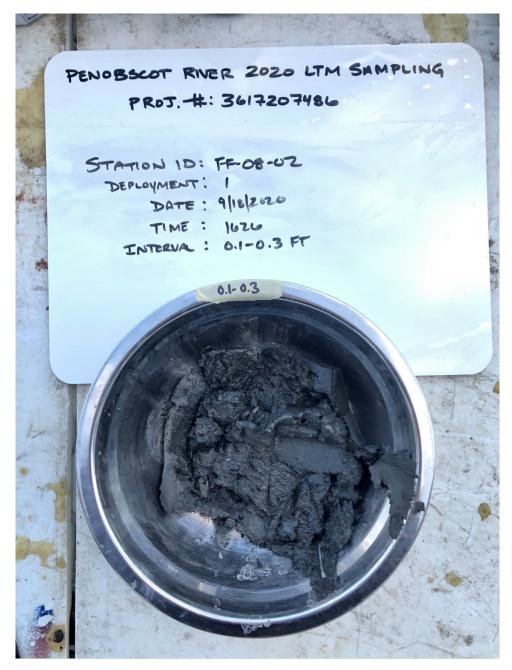


PHOTO 2:

CORE: FF-08-02

DEPLOYMENT: 1

INTERVAL: 0.1-0.3 FT



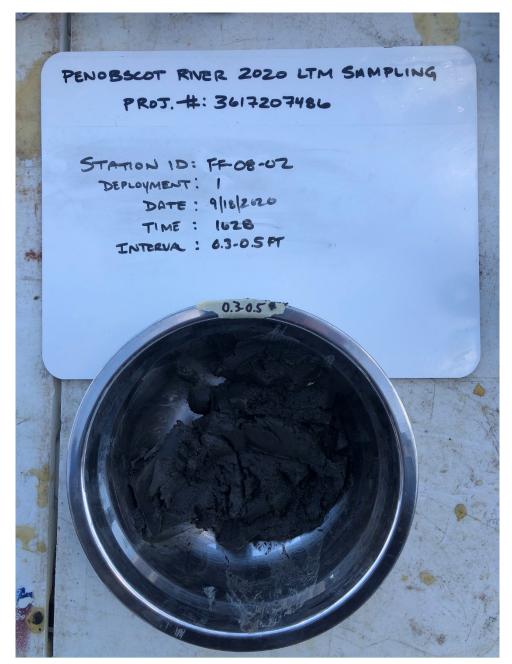


PHOTO 3:

CORE: FF-08-02

DEPLOYMENT: 1

INTERVAL: 0.3-0.5 FT





PHOTO 4:

CORE: FF-08-02_DUP

DEPLOYMENT: 1

INTERVAL: 0.0-0.1 FT



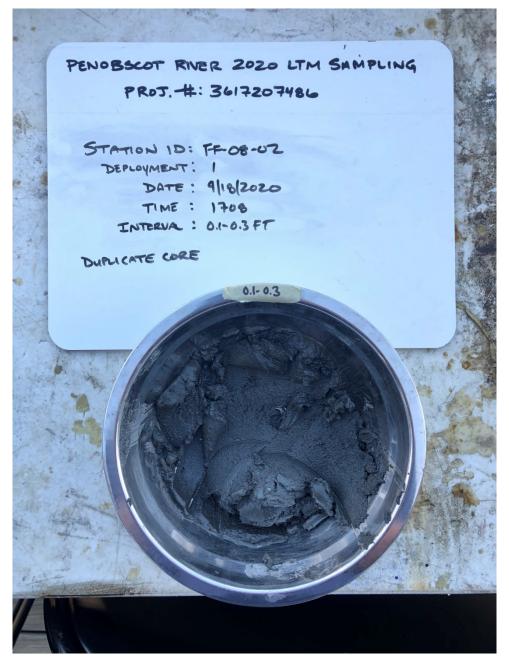


PHOTO 5:

CORE: FF-08-02_DUP

DEPLOYMENT: 1

INTERVAL: 0.1-0.3 FT



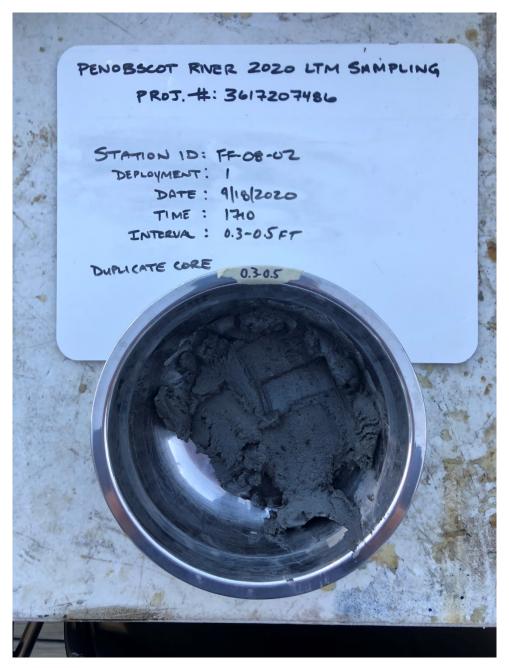


PHOTO 6:

CORE: FF-08-02_DUP

DEPLOYMENT: 1

INTERVAL: 0.3-0.5 FT



APPENDIX B – 2.11

Station Summary – OB-01



STATION SUMMARY							
Station ID: OB-01 Core collection and sample processing date: Writte							
	17 Sept 2020	C. Lauback					
Analytes: Total Mercury, Methyl Mercury, To	Checked by:						
Laboratory: Eurofins		B. Weyer					

A - OB-01 Collection Overview

On Thursday, September 17, 2020, Wood scientists cored station OB-01 in the Frankfort Flats reach between 10:30am and 10:50am aboard the *R/V Tesla*. The weather was clear with temperatures in the 60's (°F) and varying winds ranging from 5 to 10-knots from the Southwest. Sea conditions were calm to smooth, with a maximum wave height of 0.5-ft, providing acceptable conditions for vessel to hold on location for sampling. A box corer was utilized for sediment collection. Sediment was sampled from the box corer by 1-ft hand push cores with 3-in diameter acetate liners. One (1) deployment of the box corer was attempted at OB-01 to obtain two (2) 1-ft hand push cores, designated in the field as OB-01-A and OB-01-B. Two cores were collected at this station in case sample integrity of a single core were to become compromised between collection and processing. Cores were preserved on wet ice while awaiting to be processed.

B – Field Data Records

See the field forms (Attachment B) for additional information on deployment(s) and cores at station OB-01.

C - Deployment Accuracy - GPS Locations

As shown in the Deployment Locations Figure (Attachment C), the location of station OB-01 represents the single deployment of the box corer. The deployment represented a non-vegetated intertidal zone accessible at high tide within the Frankfort Flats reach.

D – Processing Overview

Same-day processing was performed on OB-01 by Wood scientists at the Wood Field Station, Winterport, Maine. Core OB-01-A, designated during processing as OB-01, was sampled at predesignated intervals (0.0-0.1-ft, 0.1-0.3-ft, and 0.3-0.5-ft) by extruding a single interval at a time. The extruder and tools used for extrusion were decontaminated between intervals. Each interval was placed into a stainless-steel bowl, homogenized and aliquoted for analyses of total mercury, methyl mercury (0.0-0.1-ft and 0.1-0.3-ft intervals only) and total organic carbon (TOC). Intervals 0.1-0.3 ft and 0.3-0.5 ft of OB-01 were selected to be used for a MS/MSD laboratory control sample.

The appearance and textural properties of each push core was described using the Unified Soil Classification (USCS).

Sediment Core Logs are attached (See Attachment B).

Project No.: 3617207486 Page 1 March 2021

US District Court – District of Maine 2020 Sediment, Water Quality, and Aquatic Biota Monitoring Report Penobscot River Estuary



<u>OB-01</u>

Push core OB-01 had an acceptable recovery over 0.5-ft.

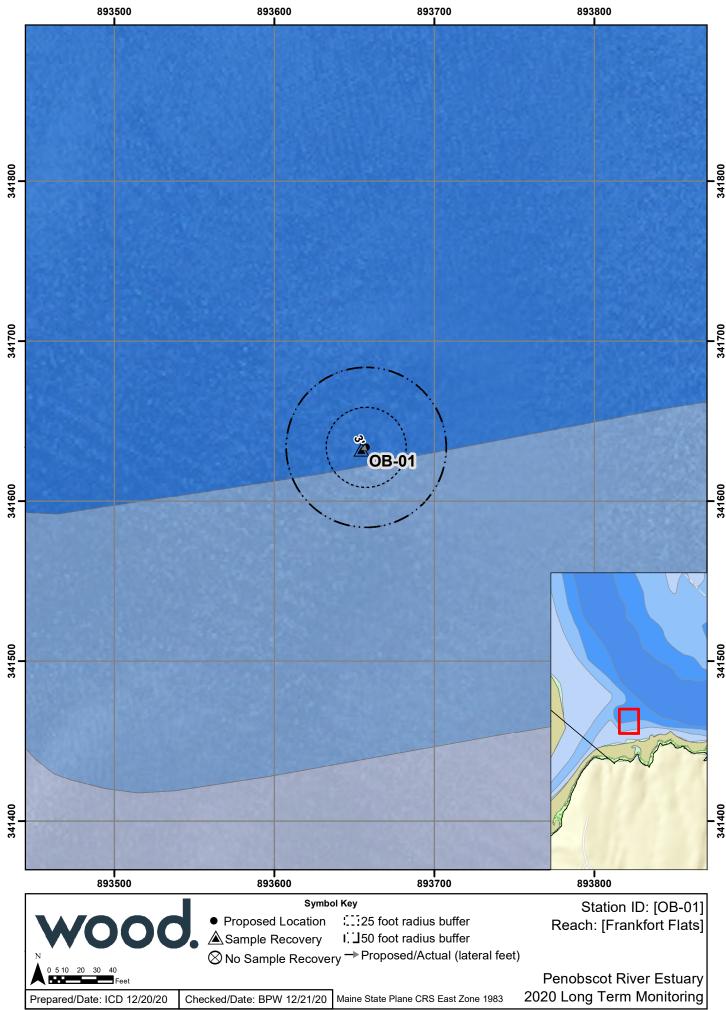
- 0.0 0.1 ft: dark olive gray (5Y 3/2) SILT with trace very fine sand-sized organic-like materials, no live organisms observed: ALLUVIUM.
- 0.1 0.3 ft: very dark gray (5Y 3/1) CLAY-SILT, no live organisms or larger detritus in sample: ALLUVIUM
- 0.3 0.5 ft: black (5Y 2.5/1) SILT-CLAY, one worm-lie organism present: ALLUVIUM
- 0.5 0.74 ft: very dark gray (5Y 3/1) silty CLAY with trace very fine fibrous root-like material, one benthic worm-like organism present: ALLUVIUM

E – Photolog

The photo log, included as Attachment D, presents photos of each sample, post homogenization and pre-aliquoting for analytical samples.

Project No.: 3617207486 Page 2 March 2021

wood.	nobscot Riv	er Mercury	Study - Ph	ase III Er	ngineering	g Evaluation	
WOOO .		SEI	DIMENT CO	RE LOG			
Owner: USDC		Project No.: 5	3617207481	540	Logger: C	- LAUBACK	
Sub: ASI	1 1	WO: -		19/17	Crew: B.	WEYER	
	Date: 9 17	10	Time:	1035	Vessel: R	IV TESLA	
Coordinates: Lat 44.60337	-5	Long -68	.847862		Plan Volun	ne: 0.140 gal.	
Sampling Station: 0B-01	The second section of the second seco		Deploy No.	1	Sub-ti	dal Location? No	
Weather:SUNNY, 605 Winds: 5	-10	Waters:<0.	5 / (ALM	Traffic: N	ONE	Water Temp:	
Measured Water Depth [NAVD88]	: 22.3	SUPERCOLL VERNORING JAMES IN	Core F	enetration	Length (ft.):	0.85	
Correction to NAVD88 (+/- ft. from NAVD88			Recov	ered Core	Length (ft.):	0.74	
Mudline (Corrected Depth) @ NAVD88					etained (ft.):	^ -	
Study Depth (-NAVD88					% recovery):	11	
Required Penetration Length	10 - 1		1		ained (gal.):	n 111 - 1	
						Uel7 Ogai	
	1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	SHEW STATE OF THE WORLD BY	ts are in De	cimal Fe	et	0.09.025/98/417.245-178/	
Sample Interval (ft.)	Samp	ole ld#		D	escription	化 图	
Top 0.0'-0.1'	00 -	01	VERY FINE	SAND - S	SIZEVORG SIZEVORG UF COZCOLA	T WI TRACE ANIC-LIKE JISMS OBSERVED,	
ε	@ 1625	5	ALLUVIUM		<i>30.</i> 010111	4107 (3 0 0 0 0 1 1 0 0)	
0.1' -0.3'	01-					YEY SILT-CLOSER SMS OR LARGER	
	@ 162	7	DETICITIS	IN SAI	MPLE, AL	LONOM	
0.3-0.5	03-	05) SILT-CLAY, ONE WORM-LIKE ENT, ALLUVIUM		
	@162	_	01-11-11		, ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	
			VERY DAR	K GRAY	5Y 311) 31	LTY CLAY WITH	
0.5 6.75			TRACE VET	FINITYS	FIBROUS F	200T-LIKE	
0.5'-0.74 Chates	· -	_	MATERIAL	PRESENT	ALLUVIUM	ORM-LIKE V	
ci							
		\			\		
Bottom		-					
	†************************************	,			Core V	olumes	
Number of containers: —	-	(0		Nominal o	ore-barrel		
Type of container: bucket	liner bag	jar	other	diameter		EST. Volume	
Liner Type:	Vibracorer:	(BOX) Classia	4.0 3.5		.50gal/ft	
ALETATÉ	Push Corer	Sellate de la Section de la Se	Slambar	3.5		.33gal/ft	
Live Organisms present YES.		DE-2015/U	Con	nments			
Oil-Like Present NO	_TWO CO	DRES COL	LECTED@	OB-01	TO HAVE	ONEON	
Odor Present YES	-TWO CORES COLLECTED @ OB-OI TO HAVE ONE ON RESERVE; CORE "A" WILL B PROCESSED - CORE "B" HAD RECOVERED CORELENGTH OF 0.72"						
Photo Numbers							
Filoto Nullibers	_	_/	עונפבים בית	Mon	AND RI	NOT	
Photo Numbers	CONNEC	TNG-U	SE ASI C	60RDIN	LATES (PE	ELORDED ON	
915	-TABLET (COLLECTOR APPLICATION) AND RI NOT CONNECTING - USE ASI COORDINATES (RECORDED ON VESSE)					AC 02C)	





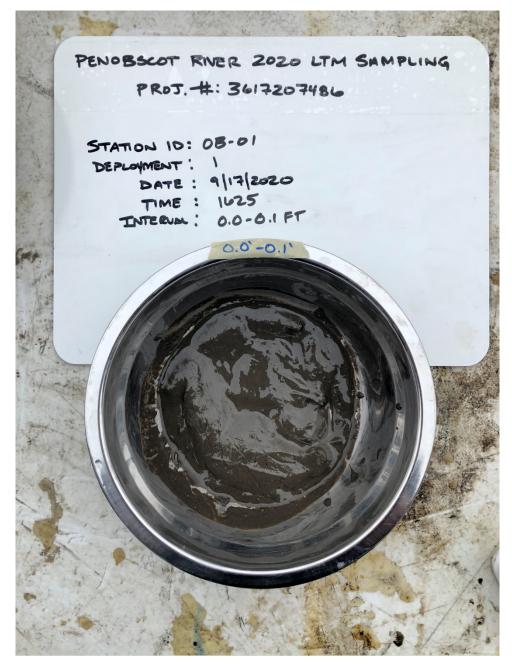


PHOTO 1:

CORE: OB-01

DEPLOYMENT: 1

INTERVAL: 0.0-0.1 FT



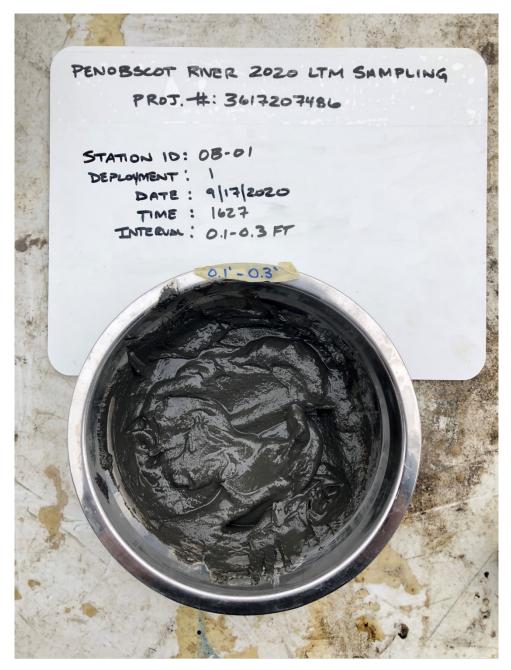


PHOTO 2:

CORE: OB-01

DEPLOYMENT: 1

INTERVAL: 0.1-0.3 FT



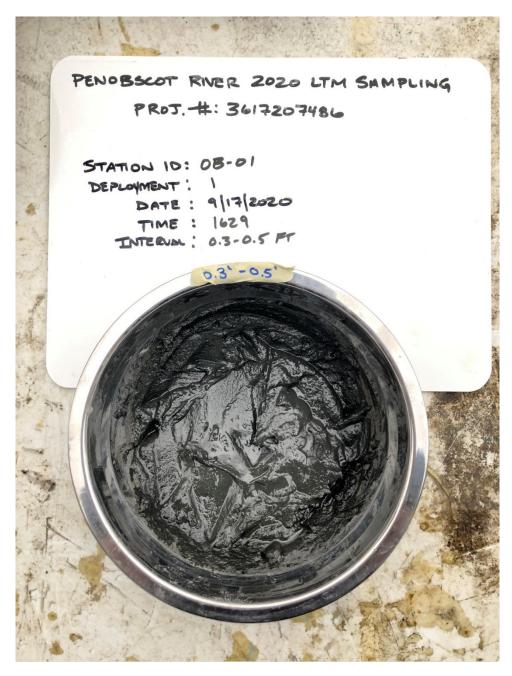


PHOTO 3:

CORE: OB-01

DEPLOYMENT: 1

INTERVAL: 0.3-0.5 FT



APPENDIX B - 2.12

Station Summary – BU-01-01



STATION SUMMARY							
Station ID: BU-01-01	Core collection and sample processing date:	Written by:					
	17 Sept 2020	C. Lauback					
Analytes: Total Mercury, Methyl Mercury, To	Checked by:						
Laboratory: Eurofins		B. Weyer					

A – BU-01-01 Collection Overview

On Thursday, September 17, 2020, Wood scientists cored station BU-01-01 in the Bucksport reach between 10:50am and 11:24am aboard the *R/V Tesla*. The weather was clear with temperatures in the 60's (°F) and varying winds ranging from 5 to 10-knot from the Southwest. Sea conditions were calm with ripples, with a maximum wave height of 0.5-ft, providing acceptable conditions for the vessel to hold on location for sampling. A Watermark Universal Core Head Kit (Watermark) was utilized for sediment collection via push coring. Sediment was collected with the Watermark directly into a 1-ft x 3-in diameter acetate liner. Two (2) 1-ft push cores were collected from two attempts with the Watermark, designated in the field as BU-01-01-A and BU-01-01-B. Cores were preserved on wet ice while awaiting to be processed.

B – Field Data Records

See the field forms (Attachment B) for additional information on deployment(s) and cores at station BU-01-01.

C – Deployment Accuracy - GPS Locations

As shown in the Deployment Locations Figure (Attachment C), the location of station BU-01-01 represents the two deployments of the Watermark push corer. The deployments represented a non-vegetated intertidal zone accessible at high tide within the Bucksport reach.

D - Processing Overview

Same-day processing was performed on BU-01-01-A and BU-01-01-B by Wood scientists at the Wood Field Station, Winterport, Maine. Cores BU-01-01-A and BU-01-01-B, designated during processing as BU-01-01 and BU-01-01_DUP, were sampled at pre-designated intervals (0.0-0.1-ft, 0.1-0.3-ft, and 0.3-0.5-ft) by extruding a single interval at a time. The extruder and tools used for extrusion were decontaminated between intervals. Each interval was placed into a stainless-steel bowl, homogenized and aliquoted for analyses of total mercury, methyl mercury (0.0-0.1-ft and 0.1-0.3-ft intervals only) and total organic carbon (TOC). Station BU-01-01 was used for laboratory duplicate analyses.

The appearance and textural properties of each push core was described using the Unified Soil Classification (USCS). Cores contained a strong sulfur-like odor, which increased with depth.

Sediment Core Logs are attached (See Attachment B).

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BU-01-01

Push core BU-01-01 had an acceptable recovery over 0.5-ft.

- 0.0 0.1 ft: dark olive gray (5Y 3/2) SILT with very fine sand, trace wood chip, very wet: ALLUVIUM.
- 0.1 0.3 ft: dark olive gray (5Y 3/2) SILT with trace, very fine sand and minimal clay, minimal wood chip and trace organic-like material, articulated bivalve (~0.03-ft in diameter) present: ALLUVIUM
- 0.3 0.5 ft: very dark gray (5Y 3/1) clayey SILT with minimal medium sand-sized wood chip and fibrous root-like material, organic rich: ALLUVIUM
- 0.5 0.78 ft: black (5Y 2.5/1) fine sandy SILT with some fibrous root-like material ad some wood chips, strong sulfur odor: ALLUVIUM

BU-01-01_DUP

Push core BU-01-01_DUP had an acceptable recover over 0.5-ft.

- 0.0 0.1 ft: dark olive gray (5Y 3/2) SILT with trace clay, minimal medium sand-sized wood chip, minimal fibrous root-like material, contains benthic organisms: ALLUVIUM.
- 0.1 0.3 ft: very dark gray (5Y 3/1) clayey SILT with trace wood chip and minimal fibrous root-like material, live benthic worm, trace very coarse angular sands: ALLUVIUM
- 0.3 0.5 ft: black (5Y 2.5/1) clayey SILT with trace medium sand-sized wood chip and fibrous root-like material, no organisms observed: ALLUVIUM
- 0.5 0.78 ft: black (5Y 2.5/1) SILT with some very fine sand and clay, some medium sandsized wood chips and fibrous root-like material, minimal larger, gravel-sized woody debris: ALLUVIUM

E – Photolog

The photo log, included as Attachment D, presents photos of each sample, post homogenization and pre-aliquoting for analytical samples.

Penobscot River Mercury Study - Phase III Engineering Evaluation						
W 0 0 0.			DIMENT CO	10 Pt. 124 124 12 12 12 12 12 12 12 12 12 12 12 12 12		
Owner: USDC		Project No.:	3617207486	Logge	er: C.LAUBACK	
Sub: ASI	940	wo:		CZ Crew:	B. WEYER	
	Date: 9 14	20	Time:	1105-417 Vesse	el: RVTESLA	
Coordinates: Lat 44.587312		Long -6 8	.825354	Plan \	Volume: 0.140ga1.	
Sampling Station: BU-01-0)		Deploy No.	\	Sub-tidal Location? No	
Weather: SUNNY, 60s Winds:		Waters: CA	LM (<0.2)	Traffic: NONE	Water Temp: -	
Measured Water Depth [NAVD88]:	10.8		Core P	enetration Length	(ft.): 0.85	
Correction to NAVD88 (+/- ft. from NAVD88):			Recove	ered Core Length	i (ft.): 0.78	
Mudline (Corrected Depth) @ NAVD88:			Sample	e Length Retained	I (ft.): 0.50	
Study Depth (-NAVD88):				Core (80% recov	A farmer	
Required Penetration Length:	0.5		Core V	olume Retained (gal.): 0.140ga1	
All	Length Me	asuremer	nts are in De	cimal Feet		
Sample Interval (ft.)	Samp	le ld#		Descript	ion	
Top 0.0'-0.1'	00-0		DARK OLIVE SILT WITH	GRAY GOCLOJIF VERY FINE SAI ALLOVI UM	(5 HDARK CLIVE GRAY) NO, TR WOOD PULP,	
	@ 1521	Y	VCF1 2021	In section in the co		
0.1'-0.3	O1-(03	TRACE VER	Y FINE SAMO !	S/2) SILT WITH AND MINIMAL ICHIPAND TR ALX ALLUNUM	
0.3-0.5	03-	05	VERY DARK	LGREY (5 Y 3/1)	CLAYEY SILT AND - SIZED WOOD OT-LIKE MATERIAL, LLUVIUM	
0.5`- 0.78		-	BLAUK (5 Y	2.5/1) FINESAL	NOY SILT WITH SOME PIALAND SOME DIFUR-LIKE ODOR	
Bottom			* ARTIWA	LATED BIVAL	VE (~0.03) IN DIAM.	
Ni and an af a antain agai		^		Co	ore Volumes	
Number of containers:		<u>(o</u>		Nominal core-ba		
Type of container: bucket Liner Type:	liner bag Vibracorer:	jar	other	diameter 4.0"	EST. Volume .50gal/ft	
ACETATE (Push Corer)	Slambar	3.5"	.33gal/ft	
Live Organisms present VES Oil-Like Present NO Odor Present NO Debris Present NO Photo Numbers	675 -(00 RI	SYSTEM	COLLECTES WERE ATT	nments O WI ADI'S EMPTED TO TO NINECT IN TI EXERCH VES	BE COLLECTED W/ MEFOR RECORDING.	

wood.	bscot Rive	er Mercury	Study - Pha	ise III Eng	ineering	Evaluation		
WOOO .		SEDIMENT CORE LOG						
Owner: USDC		Project No.: 3	361720748	6 1	ogger: C.	LAUBACK		
Sub: AS I		wo: —		_(Crew: B ·	WEYER		
, (3	Date: 9 17	20	Time:	115	/essel: R/\	I TESLA		
Coordinates: Lat 44.58730	3	Long -68 ,	.825370		Plan Volume	e: 0.140gal		
Sampling Station: BU -01-01	_DUP	aya maya a Paga a sa	Deploy No.	2 L	Sub-tida	al Location? NO		
Weather: SUNNY, 605 Winds:		Waters: (AL	M (<0,2)	Traffic: NON	IE I	Water Temp: —		
Measured Water Depth [NAVD88]:	10.8		Core P	enetration L	ength (ft.): (5.9		
Correction to NAVD88 (+/- ft. from NAVD88):	3-30		Recove	ered Core L	ength (ft.):	0.70		
Mudline (Corrected Depth) @ NAVD88:			Sample	Length Ret	ained (ft.): (0.5		
Study Depth (-NAVD88):			Acceptable	Core (80%	recovery):	YES		
Required Penetration Length:	0.51		Core V	olume Retai	ned (gal.):	0.140		
All	Length Me	asurement	ts are in Dec	cimal Fee	t			
Sample Interval (ft.)	Samp	le ld#			scription			
Top 0.0'-0.1'	00-0	70D_10	MINIMAL M	EGRAY (5 IED-SAND	81 ZED W	TWITHTRUMY, ODCHIP, MIN.		
	@155	54	FIBROUS #	BENTHIC	SPG ANISM	ODCHIP, MINI, OT-LIKE MATERIA S. ALLINUM		
0.1-0.3	01-0	O3_DUP	UP WITH TR WOOD CHIPAND MINIMAL FIBROUS					
	@ 155	6	POOT-LIKE MATERIAL, LIVE BENTHIC WORMS(XI), TRUERY CONRSE ANG UTARS ALLUMINA					
0.3'-0.5'	03-05-DUP BLACK (5Y 2,5/1) CLRYEY SILT WITH MED SAND-SIZED WOOD CHIP AND FIBE POOT-LIKE MATERIAL, NO OZGANISM				ND FIBILIBUS			
	@155	38	OBSERVED,	RLLUVIUN	Λ,			
0.5 - 0.7		-	BLACK (5Y 2 SAND AND (LLAY SOM	WISOMI EMED-SA	ND-SIZED WOOD		
	@ 160	0	MINIMALL	WER OLD	NOT-313E1	ND-SIZED WOOD EMATERIAL WOODY DEBRIS		
		\						
Bottom								
		/			Core Vo	olumes		
Number of containers:		6		Nominal co	re-barrel	EST. Volume		
Type of container: bucket Liner Type:	liner bag Vibracorer:	jar	other	diameter 4.0"		.50gal/ft		
ACETATE	Push Corer)	Slambar	3.5"		.33gal/ft		
Live Organisms present √E5 .	A COUNTY OF THE PARTY OF THE PA		Con	nments	- (5)	= (DUINESEI)		
Oil-Like Present No	- COORD	INATES	COLLECTE	NITH A	131 E 21	S (ON VESEL)		
Odor Present Y&S	- ATTEN	NED DOWN	USETABLE IT DID NO	THAVE A	NY LAT	OFLONG		
Photo Numbers	PEION	en ED		3 20				
Filoto Nullibers	-CORE HAS A STRONG SULFUR-LIKE ODOR							
B. WEY TOOZO	-COKE	M CH P	STEDNA,	SOLIO	-UKE	0001		
Photo Numbers B. WEVER A 12 1220								

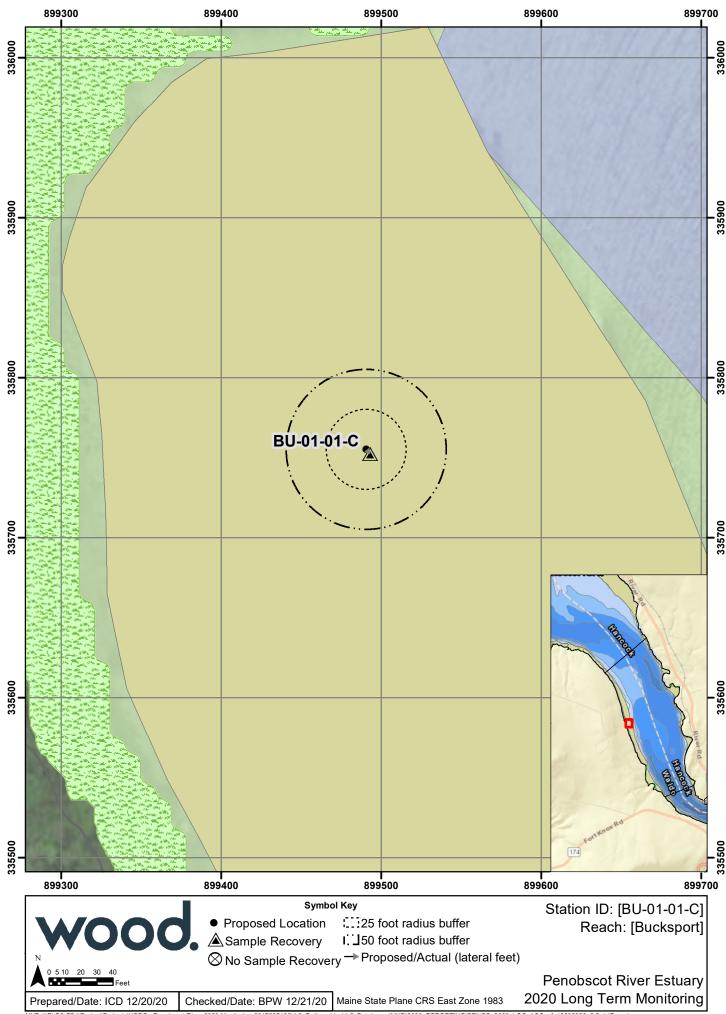






PHOTO 1:

CORE: BU-01-01

DEPLOYMENT: 1

INTERVAL: 0.0-0.1 FT





PHOTO 2:

CORE: BU-01-01

DEPLOYMENT: 1

INTERVAL: 0.1-0.3 FT

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PHOTO 3:

CORE: BU-01-01

DEPLOYMENT: 1

INTERVAL: 0.3-0.5 FT

DATE: 9/17/2020

Interval not photographed. See BU-01-01_DUP (0.3-0.5 FT) for representative photograph (Page 6 of this photo log).



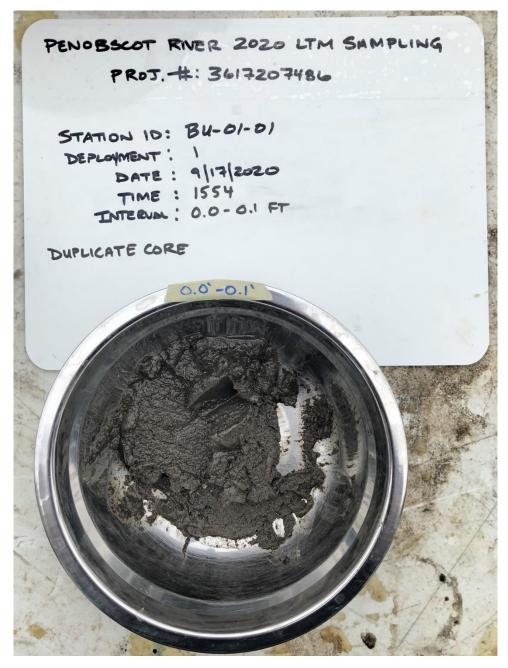


PHOTO 4:

CORE: BU-01-01_DUP

DEPLOYMENT: 1

INTERVAL: 0.0-0.1 FT



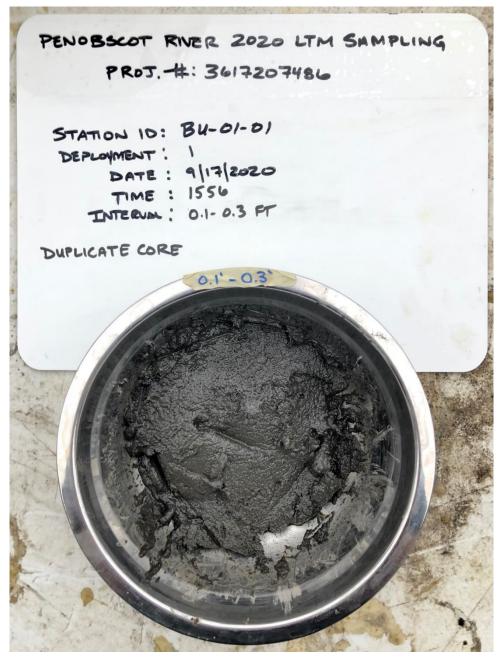


PHOTO 5:

CORE: BU-01-01_DUP

DEPLOYMENT: 1

INTERVAL: 0.1-0.3 FT



PENOBSCOT RIVER 2020 LTM SAMPLING PROJ. #: 3617207486

STATION 10: B4-01-01

DEPLOYMENT:

DATE : 9/17/2020 TIME : 1558

INTERNA : 0.3-0.5 FT

DUPLICATE CORE



PHOTO 6:

CORE: BU-01-01_DUP

DEPLOYMENT: 1

INTERVAL: 0.3-0.5 FT



APPENDIX B - 2.13

Station Summary – BU-02



STATION SUMMARY						
Station ID: BU-02	Core collection and sample processing date:	Written by:				
	17 and 20 Sept 2020	C. Lauback				
Analytes: Total Mercury, Methyl Mercury, To	Checked by:					
Laboratory: Eurofins		B. Weyer				

A - BU-02 Collection Overview

On Thursday, September 17, 2020, Wood scientists attempted coring at station BU-02 in the Bucksport reach between 11:24am and 11:46pm aboard the *R/V Tesla*. The weather was clear with temperatures in the 60's (°F) and varying winds ranging from 10 to 15-knots from the Southwest. Sea conditions were calm to smooth, with a wave height of less than 0.5-ft, providing acceptable conditions for the vessel to hold on location for sampling. A box corer was utilized for attempted sediment collection. Four (4) unsuccessful deployments of the box corer were attempted at BU-02. Large pieces of woody debris, approximately 0.4 to 0.8-ft in length, and other leafy organic-like detritus were present in deployments one (1) and two (2). Deployments three and four contained insufficient quantities of sediment, with approximately 2 to 3-in of sediment in one corner of the box corer. Further attempts were postponed until further review of historical sampling campaigns in the area.

After review of historical sampling information, on Sunday, September 20, 2020, Wood scientists returned to station BU-02 in the Bucksport reach between 14:35pm and 15:35pm aboard the *R/V Tesla*. The weather was clear with temperatures in the 50's (°F) and varying winds ranging from 10 to 15-knots from the Northeast. Sea conditions were smooth, with wave heights of 0.5 to 1.0-ft, providing acceptable conditions for the vessel to hold on location for sampling. A box corer was utilized for attempted sediment collection. An additional seven (7) unsuccessful deployments were attempted at multiple coordinates around the proposed location. Deployments five (5) through seven (7), nine (9), and eleven (11) had no recovery in the box corer. Deployment eight (8) contained one large piece of wood debris (approximately 6x2x4-in), but no sediment. Deployment ten (10) contained a few inches of sediment in the box corer, however quantities were insufficient for bulk sampling.

All attempts for sediment collection for the 2020 September sampling at station BU-02 in the Bucksport reach were unsuccessful. No sediment was collected.

B - Field Data Records

See the field forms (Attachment B) for additional information on deployment(s) at station BU-02.

C – Deployment Accuracy - GPS Locations

As shown in the Deployment Locations Figure (Attachment C), the locations of box coring attempts at station BU-02 are represented. The deployments represented a shallow subtidal zone accessible at any time within the Bucksport reach.

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<u>D – Processing Overview</u>

No sediment was collected for BU-02 for processing.

E-Photo Log

Due to no sample recovery, no photo log was developed for this station.

wood.	nobscot Rive	Mercury	Study - Ph	ase III Engineerir	g Evaluation	
WOOO.		SED	IMENT CO	RE LOG		
Owner: USDC	P	roject No.: 3	6617207418	6 Logger: (C. LAUBACK	
Sub: AS I	. W	0:		Crew: B.		1
190000000 DF 190000 20	Date: 9 17 2	20	Time:		IV TESLA	
Coordinates: Lat 44.57525		VENEZA MIZA	. 816383	ROTHERS TO SOME PROPERTY	me: 0 0)40 gal	
Sampling Station: BU-02			Deploy No.	0,	tidal Location?	Selzzlan
	7-10mp/ W	aters: < 0.	3 CALM	Traffic: NONE	Water Temp: —	Jedao
Measured Water Depth [NAVD88	57.3	SANS A SICILAR PROPERTY OF CHARLES	Core F	Penetration Length (ft.)		
Correction to NAVD88 (+/- ft. from	n					
NAVD88	Anna and an anna an an an an an an an an an an a			ered Core Length (ft.	111 01 1	
Mudline (Corrected Depth) @ NAVD88				e Length Retained (ft.	111110	-
Study Depth (-NAVD88				Core (80% recovery		
Required Penetration Length	1: 6.5		Core \	/olume Retained (gal.):	
Al	l Length Mea	surement	s are in De	cimal Feet		
Sample Interval (ft.)	Sample	ld#		Description	segregikatur jérka	
Top						
+						
			1			
			al Nor	· · · · · · · · · · · · · · · · · · ·		
		1	111110)		
			/		VV-10-0-10-0-0-0-0-0-0-0-0-0-0-0-0-0-0-0	
					_	
Bottom						
Bottom					1.1	=
Number of containers:	+			Nominal core-barrel	/olumes	-
Type of container: bucket	liner bag	jar	other	diameter	EST. Volume	
Liner Type:	Vibracorer:	(BOX	?)	4.0"	.50gal/ft	1
ACETATE	Push Corer	\sim	Slambar	3.5"	.33gal/ft	
Live Organisms present				nments		1
Oil-Like Present	NORFO	OVERFI	SEDIME	MT. CILLU B	EVOLEDED	
Odor Present —	- INTOER	(O.H-0	8) DIE	NI, ONLY K	(DEP 716	Name of the last o
Photo Numbers	1 LAND CT	7=2 1	ENEV OF	CANK INT	DETRIME	
Moto Humbers	FORF	RSTTAL	O ATTEM	SIZIL - LIKE	DC1101113.	100 CONT.
11/0/19/00	- THIRD AM	10 POURT	TH ATTEM	PT HAD INSUI	PICIENT	
6,11	QUANTI	TIES OF	SEDIMEN	NT; ONLY R LES OF WOOD' GANIC-LIKE PTS. PTHAD INSUR T, WITH 2-3"	OF SED, IN	
	I ON WH	ACK OL J	KOOK SIL			

wood.	Pen	obscot Riv	er Mercury	Study - Pha	ase III En	gineering	Evaluation
***************************************			SEC	IMENT CO	RE LOG	-te	
Owner: VSDC			Project No.: 3	361720741	86	Logger: C.	
Sub: AS 1		al	wo:		1100	Crew: B.	
		Date: 9/17	120	DAY SELECTION OF	1133	Vessel: K	N IESLIA
Coordinates: Lat 44.5	74 951	3	Long -68	. 816462	_	Plan Volume	e: 0.140gal
Sampling Station: $eta_{m{l}}$)-02.			Deploy No.	2	Sub-tid	al Location? NO
Weather SUNNY (005	Winds: 5	10mg/	Waters: ∠0	3 (ALM	Traffic: NO	ONE I	Water Temp: —
Measured Water Dep	th [NAVD88]:	57.3		Core P	enetration	Length (ft.):	\ .
Correction to NAVD8	8 (+/- ft. from NAVD88):			Recov	ered Core	Length (ft.):	CT 12/20
Mudline (Corrected Depth)						etained (ft.):	19/11/100
	n (-NAVD88):					% recovery):	
Required Penetr		2 //				ained (gal.):	
	All		asurement	s are in De	cimal Fee	et	
Sample Interval	DATE OF STREET	Left-1-4/W-0666-Detectors	le ld#		STREET, STREET, STREET, STREET, STREET, STREET, STREET, STREET, STREET, STREET, STREET, STREET, STREET, STREET,	escription	
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							CONTRACTOR OF THE STATE OF THE
							
				0.1	46 1000		
				CL	11/20		
				9	1171		
					_	\	
Bottom							
Number of containers:						Core Vo	lumes
Type of container:	bucket	liner bag	iar	other		ore-barrel	EST. Volume
Liner Type:	bucket	Vibracorer:	jar	Other	diameter 4.0	"	.50gal/ft
	TO STOLEN OF THE STOLEN OF THE STOLEN	Push Corer		Słambar	3.5	"	.33gal/ft
Live Organisms present	vacar and all six		W. C.	Con	nments		
Oil-Like Present		-INSI	FFICIFA	IT RECO	MARY		
Odor Present Debris Present		U. B.				in alm	THER
Photo Numbers		-100	LUDED W	KNIC-LI	このかしろ	TRIDO	111111
6	4,1/20	(CENT)	1-014	KMIC-LI	KE DE	1 11112	~
	dlin						

Penobscot River Mercury Study - Phase III Engineering Evaluation								
				IMENT COF				
Owner: USDC			Project No.: 3	561720748(-MBACK	
Sub: ASI			WO: —		_		WEYER	
1(0)		Date: 9 17/2	20	Time:	1135 1	/essel: 🕌	V TESLA	
Coordinates: Lat 44.5	7594	4	Long -68 .	817294	/ F	Plan Volume	o: 0 . 14 0 gal	
Sampling Station:	-03	CL9/17 BU	-02	Deploy No.	3	Sub-tid	al Location? NO	YES BW
Weather: SUNNY, 605	Winds: 5	-10mgh	Waters: CAL	M	Traffic: NO	ME	Water Temp: —	41240
Measured Water Dept	h [NAVD88]:	57.3	,	Core P	enetration Le	ength (ft.):		
Correction to NAVD8						/ec. o.	Chialo	
	NAVD88):				ered Core Lo		9/17/20	-
Mudline (Corrected Depth)	@ NAVD88:				Length Ret			
	(-NAVD88):	0/	,		Core (80%	Section 1995		
Required Penetra	ation Length:	0.5	Halle West No. of Street	Core V	olume Retai	ned (gal.):	2	
	All	Length Me	asurement	s are in Dec	cimal Feet			
Sample Interval (ft.)	Samp	le ld#		De	scription		
Top								İ
		130 WW. 100 W.		PH 1				
				0.1				
				CLT				-
				9	17/20			
				***	_			-
								-
↓								
Bottom					71=11111			
Number of containers:						Core Vo	lumes	
	hugkat	linorhog	ior	other	Nominal co	re-barrel	EST. Volume	
Type of container: Liner Type:	bucket	liner bag Vibracorer:	Box) Other	diameter 4.0"		.50gal/ft	1
Liner Type.	-	Push Corer	000	Slambar	3.5"		.33gal/ft	
Live Organisms present	(CASTANDED CO.	entropise Gearquio		Com	ments	and the second second		
Oil-Like Present		1415	~ :					
Odor Present	_	-4N20	MCIEMI	RECOVE	SF 7			
Debris Present		-2-3	OFSED	IN COT	ENERO	FTHE	BOX	
Photo Numbers	χ.			. 110 -01				
13/	212/20							
	di,,							

Pen	obscot River Mercui	ry Study - Phase III	Engineering Evaluation	
wood.	SI	EDIMENT CORE LO	OG	
Owner: USV C	Project No.:	:3617207486	Logger: C. LAUSIACK]
Sub: ASI	wo:		Crew: B. WEYER	
Π <i>O</i> t	Date: 9/17/20	Time : [140	Vessel: R V TESUA]
Coordinates: Lat 44.576161	Long -68	3.816116	Plan Volume: 0,140gal	1
Sampling Station: BU-02	Mary and the second of the Maril posted of the second of t	Deploy No. $+$	Sub-tidal Location? N 0	8w 9/20/2
Weather: SUNNY, 605 Winds: 5	10mgN Waters:∠0	3 CALM Traffic:	NonE Water Temp:	
Measured Water Depth [NAVD88]:	57.31	Core Penetrat	tion Length (ft.):	
Correction to NAVD88 (+/- ft. from NAVD88):			ore Length (ft.):	
Mudline (Corrected Depth) @ NAVD88:			h Retained (ft.):	
Study Depth (-NAVD88):		Acceptable Core	(80% recovery):	
Required Penetration Length:	1	Core Volume	Retained (gal.):	
All	Length Measureme	nts are in Decimal	Feet	
Sample Interval (ft.)	Sample ld #		Description	
Top				
				-
				-
				-
				_
		01 01 112		
		166 9/19/6	0	-
				-
				1
				4
				1
▼ Bottom				1
Bettom			Core Volumes	-
Number of containers: ——		Nomir	nal core-barrel	-
Type of container: bucket	liner bag jar	other diame	eter EST. Volume	
Liner Type:	Vibracorer: Push Corer	Slambar	4.0" .50gal/ft 3.5" .33gal/ft	
	Push Corer —	Market Company		-
Live Organisms present Oil-Like Present	-	Comment	S	
Odor Present —	-11/5/2001	ENTRECOU	PZY	
Debris Present —		12141 1-000		
Photo Numbers	1-2-3" OF	SED INICO	XORITHTADASINAC	
Caliplas		re m ovember 1984 - N		
Ally lo				
	+		# · ·	1

Peno	bscot Rive	er Mercury	Study - Ph	ase III En	aineering	Evaluation
wood.			DIMENT CO		9	m v or o o o o .
Owner: VSDC		The second second	617207486		Logger: 📞	LMBACK
Sub: AS I		wo:			Crew: B. \	UFYER
		20/20			Vessel: ア	V TESLA
Coordinates: Lat 44. 575445		Long - 6 8	8.81652	5 9/20/20	Plan Volum	e: 0.140
Sampling Station: BU-02	Bernwann ragio era	ar house wild a second	Deploy No.		Sub-tid	al Location? NO
Weather: CLERZ 50s Winds: 10-1	Smph 1	Waters: 0'-	1/	Traffic: NO	NE	Water Temp: ——
Measured Water Depth [NAVD88]:	39.3		Core P	enetration L	ength (ft.):	
Correction to NAVD88 (+/- ft. from NAVD88):				ered Core L		(19/2)
Mudline (Corrected Depth) @ NAVD88:				Length Re		110160
Study Depth (-NAVD88):				Core (80%		
Required Penetration Length:	0.5			olume Reta		
All L	ength Mea	asurement	s are in De	cimal Fee	t	
Sample Interval (ft.) Top Bottom	Sampl	the residual structures.	CL 9/2	De	escription	
Number of containers:	_	-		Nominal co	Core Vo	lumes
Type of container: bucket	liner bag	jar	other	diameter		EST. Volume
10.00	/ibracorer: Push Corer	80X/	Slambar	4.0" 3.5"		.50gal/ft .33gal/ft
A CONTRACTOR OF THE PROPERTY O	SAN STATE OF THE PARTY OF THE P	Weithchanters Translated	are the section of the section of the			.oogunt

wood.	nobscot Riv	ver Mercury	Study - Pl	hase III Engii	neering E	valuation
******		SEI	DIMENT CO	ORE LOG		
Owner: VSDC		Project No.: 3	36172071	486 <u>Lo</u>	gger: C_LI	tubiauc
Sub: ASI		wo:		Cr	ew: B. M	EYER
	Date: 9/2	0/20	Time	: 1454 Ve	essel: PV	TESLA
Coordinates: Lat 44.574 9	77	Long -63.			are the second s	0.140gal
Sampling Station: BU-02	2		Deploy No		Sub-tidal L	ocation? No
Weather: CLEAR, 50s Winds: 10	0-15mph	Waters: 0.0	1-9.01	Traffic: NONE	Wa	ter Temp: —
Measured Water Depth [NAVD8	81: 24.3		Core	Penetration Len	nath (ft.):	
Correction to NAVD88 (+/- ft. fre	om					CL.
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Study Depth (-NAVD8 Required Penetration Leng				le Core (80% re Volume Retaine		
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Number of containers:	-	_	_	Marsinal core	Core Volum	nes
Type of container: bucket	liner bag	jar	other	Nominal core- diameter		T. Volume
Liner Type:	Vibracorer:	(OX)	4.0"	.50	gal/ft
	Push Corer	UNIVERSAL PROPERTY.	Slambar	3.5"	.33	gal/ft
Live Organisms present			Cor	nments		
Oil-Like Present — Odor Present —	- INSU	PPICIENT	- P.F.COM	TRY		
Debris Present		111-10141	Poson	3.7-1		
Photo Numbers						
CL 9/20/20						
Sollar						
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wood.	Per	obscot R	iver Mercı	ury Study - P	hase III Er	ngineerin	g Evaluation
2005 2005 3417 20				SEDIMENT C	ORE LOG		
Owner: USDC			Project No	.: 36172074	86	Logger: (LABACK
Sub: 151		01	wo:			Crew: B	MEYER
		Date: 1	20/20	Time	:1500	Vessel: R	V TESLA
Coordinates: Lat 44.5	57595	8	Long - 4	8.81724	F1 , C, 9/20/20	Plan Volur	me: 0.140gal
Sampling Station: B(J-02			Deploy N			idal Location? No
Weather: CLEAR, 50	Winds: 10	-15Mph	Waters: C	10,1-10,0	Traffic: N	IONE	Water Temp: —
Measured Water De	pth [NAVD88]	28.3		Core	Penetration	Length (ft.):	
Correction to NAVD		1			overed Core		alalas
Mudline (Corrected Depth		-			ple Length Re		7
	th (-NAVD88)				ole Core (80%		100
Required Penel		0 -1			Volume Ret		
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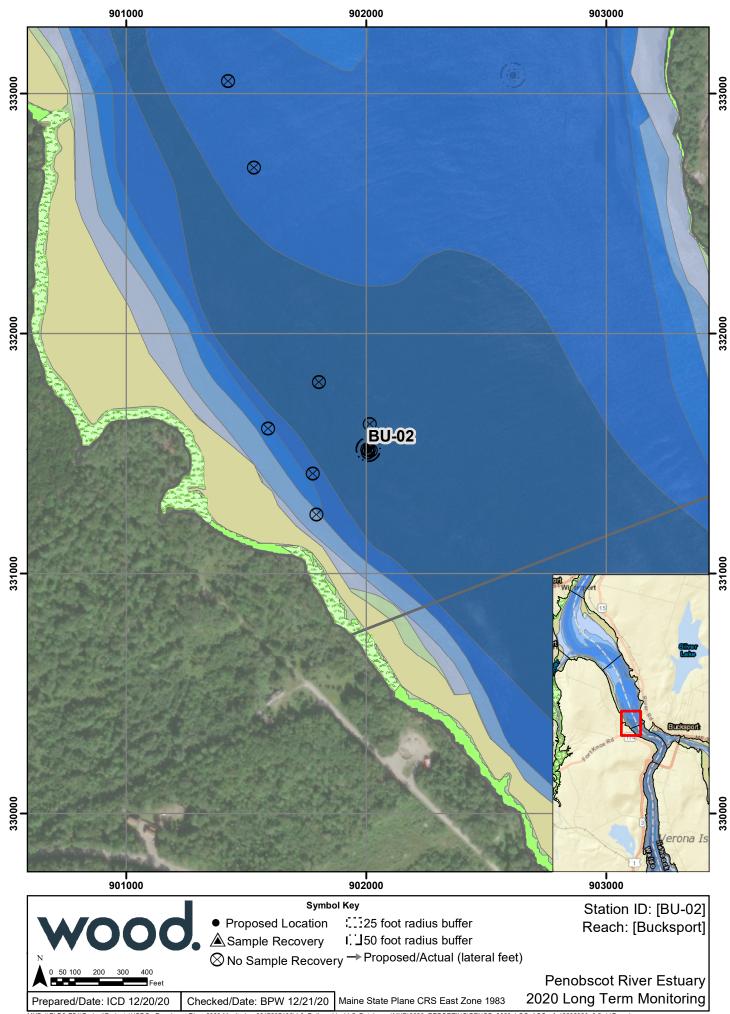
	_			×			
			_ \	CLO	1.1	712/102/27	
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						_	
Bottom							
Number of containers:						Core V	olumes
Type of container:	bucket	liner bag	jar	other	Nominal o	ore-barrel	EST. Volume
Liner Type:	Daditot	Vibracorer:	18c	ourier)	4.0"		.50gal/ft
	nt reset of the antique these	Push Corer		Slambar	3.5'		.33gal/ft
Live Organisms present	THE ST. SWINGSTON			Co	mments		
Oil-Like Present	_	11151	PACIE	NTRECO	OUTRY		
Odor Present Debris Present		1		=			
Photo Numbers		1					
18 19	10/20						
CC 11	1001						

Date: 120 20 20 20 20 20 20 2	wood.	nobscot River	Mercury	Study - Ph	ase III En	gineerir	ng Evaluation
Date: 120 20 Time: 1505 Crew: B. WEYER Vessel: P. T. TELLA Coordinates: Lat ##.576188 Long — Ce. 214136 q/zo/zo. Sampling Station: P. O. O. Deploy No. 8 Sub-tidal Location? N.O. Weather: CLERZ 505 Winds: 10-15 Mp. Waters: 0.0-1.0 Traffic: N.O.N.E. Water Temp: Measured Water Depth (NAVD88): 52.9 Core Penetration Length (ft.): C.C. Correction to NAVD88: Sample Length Retained (ft.): 4 / 70 / 70 / 70 / 70 / 70 / 70 / 70 /	*******		SED	IMENT CO	RE LOG		
Date: 120 2 Time: 1605 Vessel: 7 Test A Doordinates: Lat 44.576488 Long - GR. 816-138 9/20/20 Plan Volume: 10.14 0/ga Sampling Station: 80 - 02 Deploy No. 8 Sub-tidal Location? NO Weather: CLGRZ 50s Winds: 10-15 Mg/L Waters: 0.0-1.0 Traffic: NOINE Water Temp: Measured Water Depth (NAVD88): 52.9 Core Penetration Length (ft.): Correction to NAVD88: Sample Length Retained (ft.): Recovered Core Length (ft.): CL CL CORE (Core (Soff)/6 recovery): Required Penetration Length: 0.5 Core Volume Retained (ft.): All Length Measurements are in Decimal Feet Sample Interval (ft.) Sample Id # Description Bottom Number of containers: Ducket liner bag jar other diameter EST. Volume diameter Liner Type: Vibracorer: Push Core Slambar 3.5" .33gal/ft Live Organisms present Comments	Owner: AS_CLAIZOIZO USD)C Pro	oject No.: රි	617207481	b	Logger:	C.LAUBAUK
Date: 120 2 Time: 1605 Vessel: 7 Test A Doordinates: Lat 44.576488 Long - GR. 816-138 9/20/20 Plan Volume: 10.14 0/ga Sampling Station: 80 - 02 Deploy No. 8 Sub-tidal Location? NO Weather: CLGRZ 50s Winds: 10-15 Mg/L Waters: 0.0-1.0 Traffic: NOINE Water Temp: Measured Water Depth (NAVD88): 52.9 Core Penetration Length (ft.): Correction to NAVD88: Sample Length Retained (ft.): Recovered Core Length (ft.): CL CL CORE (Core (Soff)/6 recovery): Required Penetration Length: 0.5 Core Volume Retained (ft.): All Length Measurements are in Decimal Feet Sample Interval (ft.) Sample Id # Description Bottom Number of containers: Ducket liner bag jar other diameter EST. Volume diameter Liner Type: Vibracorer: Push Core Slambar 3.5" .33gal/ft Live Organisms present Comments	Sub: ASI	, Wo	o:				
Sampling Station: 80 02 Deploy No. 8 Sub-tidal Location? NO Weather:CLOR 2-50s Winds: 10 -15 Mol. Waters: 0.0 1.0 Traffic: NONE Water Temp: Measured Water Depth (NAVD88): 52.9 Core Penetration Length (ft.): Mudline (Corrected Depth): 8 NAVD88: Sample Length Retained (ft.): 9 (7.0 [0]) Required Penetration Length: 0.5 Core Volume Retained (gal.): All Length Measurements are in Decimal Feet Sample Interval (ft.) Sample Id # Description Top Bottom Number of containers: 5 Docket liner bag jar other language of containers: 5 January 1,50 (a)		Date: 120/2	20	Time	:1505	Vessel: §	2/18 TESLA
Weather:CLERC_50s Winds: 10-15 MQN Waters: 0.0 (.0 Traffic: NONE Water Temp:		8න් Lo	ng –6 8	. 81643	9/20/20	Plan Volu	ime: 0,140gal
Measured Water Depth [NAVD88]: 52.9 Correction to NAVD88 (+/- ft. from NAVD88): Recovered Core Length (ft.): Mudline (Corrected Depth) @ NAVD88): Sample Length Retained (ft.): A Logito Core (80% recovery): Core Volume Retained (gal.): All Length Measurements are in Decimal Feet Sample Interval (ft.) Sample Id # Description Top Bottom Number of containers: Ducket liner bag jar other diameter liner Type: Vibracorer: Push Core Slambar 3.5" 33gal/ft Live Organisms present Core Volumes Nominal core-barrel diameter liner 1.50 (3.5) (3.3gal/ft 1.50 (3.5) (3.3gal/ft 1.50 (3.5) (3.3gal/ft 1.50 (3.5) (3.3gal/ft 1.50 (3.5) (3.3gal/ft 1.50 (3.5) (3.3gal/ft 1.50 (3.5) (3.3gal/ft 1.50 (3.5) (3.3gal/ft 1.50 (3.5) (3.3gal/ft 1.50 (3.5) (3.3gal/ft 1.50 (3.5) (3.3gal/ft 1.50 (3.5) (3.3gal/ft 1.50 (3.5) (3.3gal/ft 1.50 (3.5) (3.3gal/ft 1.50 (3.5) (3.3gal/ft 1.50 (3.5) (3.3gal/ft 1.50 (3.5) (3.3gal/ft 1.50 (3.5) (3.3gal/ft 1.50 (3.5) (3.5) (3.3gal/ft 1.50 (3.5) (3.5) (3.3gal/ft 1.50 (3.5) (3.5) (3.3gal/ft 1.50 (3.5) (3.5) (3.3gal/ft 1.50 (3.5) (3.5) (3.3gal/ft 1.50 (3.5) (3.5) (3.3gal/ft 1.50 (3.5) (3.5) (3.5) (3.3gal/ft 1.50 (3.5) (3.5) (3.5) (3.3gal/ft 1.50 (3.5) (3	Sampling Station: BU -02	DOSESSA SERVICE WAS CONTROLLED	SERVICE STATES	Deploy No	X 8	Sub-	tidal Location? N ()
Correction to NAVD88 (+/- ft. from NAVD88): Mudline (Corrected Depth) @ NAVD88: Study Depth (-NAVD88): Required Penetration Length: All Length Measurements are in Decimal Feet Sample Interval (ft.) Sample Interval (ft.) Sample Id # Description Top Bottom Number of containers: Type of container: Description Core Volumes Nominal core-barrel diameter EST. Volume Live Organisms present Comments	Weather:CLEAR,50s Winds: 10	-15 mol Wa	aters: 0.0)'-1-0'	Traffic: NO	WE	Water Temp:
Correction to NAVD88 (+/- ft. from NAVD88): Mudline (Corrected Depth) @ NAVD88: Study Depth (-NAVD88): Required Penetration Length: All Length Measurements are in Decimal Feet Sample Interval (ft.) Sample Interval (ft.) Sample Id # Description Top Bottom Number of containers: Type of container: Ducket liner bag jar other diameter Live Organisms present Comments Recovered Core Length (ft.): All Length Measurements are in Decimal Feet Description Core Volumes Nominal core-barrel diameter EST. Volume Live Organisms present Comments	Measured Water Depth [NAVD88]	52.9	CONTRACTOR STREET, THE CONTRACTOR	Core I	Penetration I	_enath (ft.):\
Mudline (Corrected Depth) @ NAVD88: Study Depth (-NAVD88): Required Penetration Length: All Length Measurements are in Decimal Feet Sample Interval (ft.) Top Bottom Number of containers: Type of container: Decimal Feet Somple Interval	Correction to NAVD88 (+/- ft. from	n					01
Study Depth (-NAVD88): Required Penetration Length: All Length Measurements are in Decimal Feet Sample Interval (ft.) Top Bottom Number of containers: Type of container: Decimal Feet Somple Interval Somple Interval Sample Interval S	Mudline (Corrected Depth) @ NAVD88	J:					1 01 100
Required Penetration Length: 0 . 5 Core Volume Retained (gal.): All Length Measurements are in Decimal Feet Sample Interval (ft.) Sample id # Description Top Bottom Number of containers: ype of container: bucket liner bag jar other diameter ype of container: bucket liner bag jar other diameter diameter diameter Push Corer Slambar 3.5" .33gal/ft Live Organisms present Core Volumes Nominal core-barrel diameter EST. Volume 1.50gal/ft Slambar 3.5" .33gal/ft Comments	Study Depth (-NAVD88)):					11001
Sample Interval (ft.) Top Top Bottom Number of containers: Type of container: Type: Vibracorer: Push Corer Slambar 3.5" Jagal/ft Comments Comments	Required Penetration Length	0.5					1
Sample Interval (ft.) Top Top Bottom Number of containers: Type of container: Type: Vibracorer: Push Corer Slambar 3.5" Jagal/ft Comments Comments	All	Length Meas	urement	s are in De	cimal Fee	et	
Bottom Number of containers: ype of container: bucket liner bag jar other diameter ype of container: iner Type: Vibracorer: Push Corer Slambar 3.5" J33gal/ft Live Organisms present Comments			APPENDING THE PROPERTY OF THE PARTY OF THE P		and No. of Participation in the	"Zuchbert is	
ype of container: ype of container: Uibracorer: Push Corer Comments Nominal core-barrel diameter EST. Volume Live Organisms present Comments				CL	alzolzo		
ype of container: bucket liner bag jar other diameter EST. Volume iner Type: Vibracorer: 4.0" .50gal/ft Push Corer Slambar 3.5" .33gal/ft Live Organisms present Comments	Number of containers:	_		_	Naminal		Volumes
Live Organisms present Live Organisms present Comments Vibracorer: Push Corer Slambar 3.5" .30gal/ft .33gal/ft	Type of container: bucket	liner bag	jar	other	-4	ore-parrel	EST. Volume
Live Organisms present Comments	Liner Type:	Vibracorer:	(BOX		4.0"		.50gal/ft
Oll I Was December	ETW. 720 Englaste V. E. Gate Annual Decide	Push Corer			· *		.33gai/π
Odor Present - NO RECOVERY OTHER THAN ONE LARGE Debris Present - NO RECOVERY OTHER THAN ONE LARGE		4					
Debris Present		-NO PE	COVERY	OTHER	2 THAN	ONE	LARGE
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Tioto Numbers	Photo Numbers	,			~ · · · · · · · ·	~	- 11
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wood.	nobscot Riv	er Mercury	Study - Ph	ase III Engin	eering Evaluation	
₩ 000 .		SED	IMENT CO	RE LOG		
Owner: USDC		Project No.:	61774	Log	gerC. UNBACK	
Sub: ASI	1	WO:			w. B. WEYER	
7.00 (Date: 9 20	20	Time:	1506 Ves	ssel: RV TESLA	
Coordinates: Lat 44.5766	1 (Long -68	. 81561	Sela/20/20 Plan	n Volume: 0.140ga	a(
Sampling Station: BU-02			Deploy No.		Sub-tidal Location? NC	
Weather: 6LBAP, 50s Winds: 10	1-15mph	Waters: 0.0	10.1-2	Traffic: KLON	Water Temp: -	_
Measured Water Depth [NAVD88	the state of the s	Table Manager Contracts	Core F	Penetration Leng	gth (ft.):	
Correction to NAVD88 (+/- ft. from					NI do	05/0
NAVD88				ered Core Leng		· 1
Mudline (Corrected Depth) @ NAVD8				e Length Retain		
Study Depth (-NAVD88				e Core (80% red /olume Retained		
Required Penetration Lengt			MOTION TO THE PARTY OF THE PART		a (9ai.).	
The state of the s	es Indicate atting to the	easurement	s are in De	PARKET COLUMN TO THE		200
Sample Interval (ft.)	Sam	ple ld#		Descr	iption	e from the
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			II.			
♦ Bottom						
BOUOTT					Core Volumes	
Number of containers:			1	Nominal core-	-barrel	1
Type of container: bucket		jar	other	diameter	EST. Volume	
Liner Type:	Vibracorer: Push Core		Slambar	4.0" 3.5"	.50gal/ft .33gal/ft	
Live Operations are at the control of the control o	USA COLO	All acoustic to the second	न (कार व्यक्तप्राचातुर्वे कृति (चेन्द्राप्तव)	mments		
Live Organisms present Oil-Like Present	-		501			
Odor Present	- N	O RECOI	RRY			
Debris Present			er al et W			
Photo Numbers						
10/20/20	1					
111.						

Penobscot River Mercury Study - Phase III Engineering Evaluation							
	SEDIMENT CORE LOG						
Owner: VSDC		ect No.: 3617207		ogger: C.LAVBACK			
Sub: AS /	WO:		J1	Crew: B.WEYER			
	Date: 9/20/2	C Tir	ne: 1510 '	Vessel: RV TESLA	10,232.6		
Coordinates: Lat 44.578	Long	-68.91748	32 CL9/20/20 1	Plan Volume: O .14099	J		
Sampling Station:	5 BU-02		No. & 10	Sub-tidal Location? N			
Weather: CLEAR, 505 Winds:		ers: 0,5-1.0	Traffic: No	Water Temp: -	_		
Measured Water Depth [NAVI		l co	re Penetration L	ength (ft.):			
Correction to NAVD88 (+/- ft.				C1.9/20	20		
NAVI	088):		covered Core L	ength (ft.):			
Mudline (Corrected Depth) @ NAV	D88:		mple Length Ret				
Study Depth (-NAVI			table Core (80%		\rightarrow		
Required Penetration Le	ngth: 0,5 \	Co	re Volume Retai	ined (gal.):			
	All Length Measu	rements are in	Decimal Fee	t	e e e e e e e e e e e e e e e e e e e		
Sample Interval (ft.)	Sample Id	profesional contract to the contract of the co	and the second second	scription			
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			01 1	ř			
			L 9/20	1.0			
			1100				
					_		
Bottom							
Bottom				Core Volumes	-		
Number of containers:			Nominal co				
Type of container: buck	ket liner bag	jar othe	A AMERICAN CONTRACTOR OF THE PROPERTY OF THE P	EST. Volume			
Liner Type:	Vibracorer:	BOX	4.0" 3.5"				
	Push Corer	Slambar	COLUMN TO THE REAL PROPERTY OF THE PARTY OF	.oogal/it			
Live Organisms present			Comments				
Oder Present	11115150	-INJUSTICIENT RECOVERY, AFEW IINCHES					
Odor Present — — — — — — — — — — — — — — — — — — —	-1N 2021	ICICIAI IC	CONCAL	THE THE THE			
Photo Numbers	OF SP	DIMENT	NBOX				
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dlrais							

wood.	enobscot Riv	er Mercury S	Study - Ph	ase III Engineering	Evaluation		
W000.	SEDIMENT CORE LOG						
Owner: USDC		Project No.: 30	17207486				
Sub: AS 1	î	wo: —		Crew: B.V			
1101	Date: 92	020	Time:	15(5 Vessel: R)	VTESUA		
Coordinates: Lat 44.5799	132	Long -68.	817902	Plan Volum	e: 0.140gal		
Sampling Station: 80-05	-C19/20/20 BI	J-0Z	Deploy No.	Tor Italia	lal Location? NO		
		Waters: 0.5	Salva casa Sasangan — I		Water Temp:		
, and the second display of the decision of the second sec	0-15mph	waters. 0.5		and the second second	ALERONAL SERVICES		
Measured Water Depth [NAVD			Core F	Penetration Length (ft.):	101		
Correction to NAVD88 (+/- ft. ft. NAVD			Recov	ered Core Length (ft.):	100		
Mudline (Corrected Depth) @ NAVD	088:	5-11	Sample	e Length Retained (ft.):	19/20/00		
Study Depth (-NAVD	88):		Acceptable	e Core (80% recovery):			
Required Penetration Len	gth: 0.5		Core \	/olume Retained (gal.):			
	All Length Mo	easurements	are in De	cimal Feet			
Sample Interval (ft.)	Sam	ple ld#		Description			
Top							
			α	. 1			
				a/10/20			
			_	11001			
	1						
			Communication of the second of				
					\		
Bottom							
				Core V	olumes		
Number of containers: —				Nominal core-barrel	EST. Volume		
Type of container: buck Liner Type:	et liner bag Vibracorer:	750X	other	diameter 4.0"	.50gal/ft		
співі турс.	Push Corer		Slambar	3.5"	.33gal/ft		
Live Organisms present			Coi	mments	And a survey of the survey of		
Oil-Like Present —	101		TDEC	NERN			
Odor Present Debris Present	INS	SUSPICIEN	I KEC	UVERY			
Photo Numbers							
CL1.200							
9/2010							
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APPENDIX B - 2.14

Station Summary – MM-T1-C2



STATION SUMMARY				
Station ID: MM-T1-C2	Core collection and sample processing date:	Written by:		
	21 Sept 2020	C. Lauback		
Analytes: Total Mercury, Methyl Mercury, Total Organic Carbon		Checked by:		
Laboratory: Eurofins	•	B. Weyer		

A - MM-T1-C2 Collection Overview

On Monday, September 21, 2020, Wood scientists cored station MM-T1-C2 in the Mendall Marsh reach between 4:40pm and 5:00pm. The weather was clear with a temperature of 60°F and wind from the North. Sea conditions were negligible to the sampling effort, as the station was accessed by foot. Sediment was sampled by 1-ft hand push cores with 3-in diameter acetate liners. One (1) 1-ft push core was collected at station MM-T1-C2.

B – Field Data Records

See the field forms (Attachment B) for additional information on deployment(s) and core(s) at station MM-T1-C2.

C – Deployment Accuracy - GPS Locations

As shown in the Deployment Locations Figure (Attachment C), the location of station MM-T1-C2 represents the single collection point of the push core. The deployment represented a vegetated marsh platform accessible at low tide within the Mendall Marsh reach.

<u>D – Processing Overview</u>

Same-day processing was performed on MM-T1-C2 by Wood scientists on location. Core MM-T1-C2 was sampled at pre-designated intervals (0.0-0.1-ft, 0.1-0.3-ft, and 0.3-0.5-ft) by extruding a single interval at a time. The extruder and tools used for extrusion were decontaminated between intervals. Each interval was placed into a stainless-steel bowl, homogenized and aliquoted for analyses of total mercury, methyl mercury (0.0-0.1-ft and 0.1-0.3-ft intervals only) and total organic carbon (TOC).

The appearance and textural properties of all recovered sediment was described using the Unified Soil Classification (USCS). An organic sulfur-like odor was observed during processing, which increased with depth.

Sediment Core Logs are attached (See Attachment B).

Project No.: 3617207486 Page 1 March 2021

US District Court – District of Maine 2020 Sediment, Water Quality and Aquatic Biota Monitoring Report Penobscot River Estuary



MM-T1-C2

Push core M-T1-C2 had an acceptable recovery over 0.5-ft.

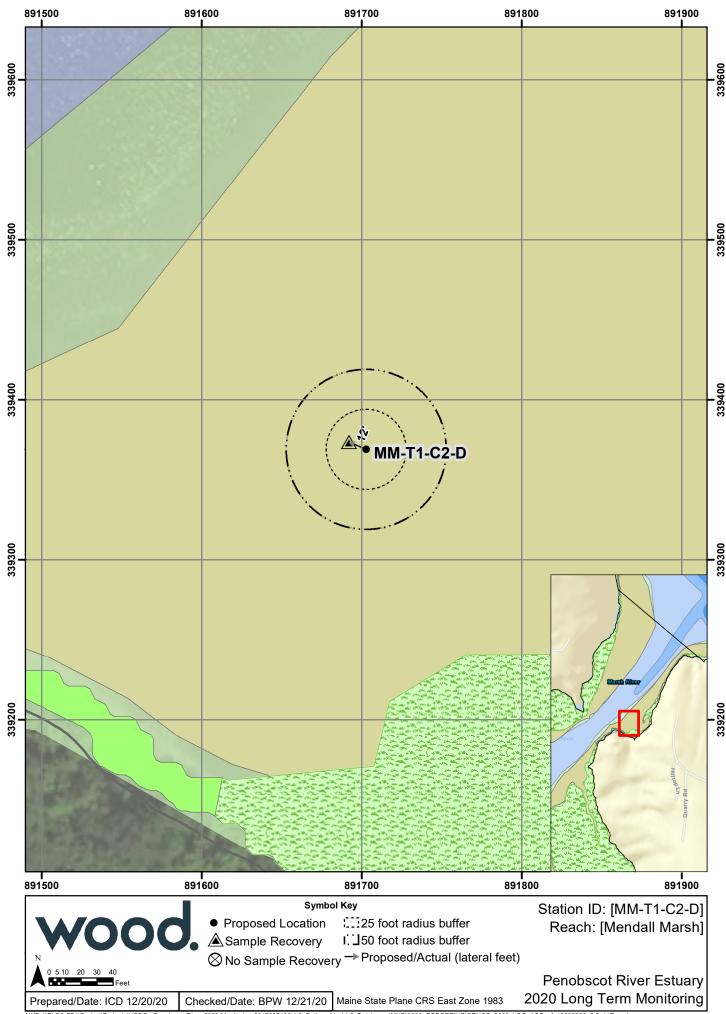
- 0.0 − 0.1 ft: brown to dark brown silty CLAY, wet, slight sheen
- 0.1 0.3 ft: dark brown silty CLAY with some black streaks, wet, slight sheen
- 0.3 0.5 ft: dark brown with black silty CLAY, wet, slight seen, organic sulfur-like odor
- 0.5 0.82 ft: dark brown with black streaks clayey SILT, moist, low plasticity, slight sheen, strong organic sulfur-like odor

E - Photolog

The photo log, included as Attachment D, presents photos of each sample, post homogenization and pre-aliquoting for analytical samples.

Project No.: 3617207486 Page 2 March 2021

Pen	obscot R	iver Mercury	/ Study - Ph	ase III En	gineerin	g Evaluation	1
wood.		SE	DIMENT CO	RE LOG			
Owner: MSD (-Pend boxos Sub: MOD CETS None	+ BW 32/20 Date: 9-7	WO:	5617207 L	186	Logger: 5 Crew: H.P Vessel:	linte, T. Gerhard. C.	God FOU
Coordinates: Lat 44.59715			. 855 354			ne: 0.140gal	1
Sampling Station: Mm -T	- CZ		Deploy No.	1	r	dal Location?	
Weather: 60° F, (lew Winds: N	Washington Table	Waters:	NA	Traffic:	NA	Water Temp: NA	1
Measured Water Depth [NAVD88]:	NA		Core F	Penetration	Length (ft.):	1,01	
Correction to NAVD88 (+/- ft. from NAVD88):				ered Core		1	1
Mudline (Corrected Depth) @ NAVD88:		1	Sampl	e Length Re	etained (ft.):	4060 0 5 C+	1
Study Depth (-NAVD88):			Acceptable	e Core (86%	recovery):	YES]
Required Penetration Length:	0.5	. /	Core \	/olume Reta	ained (gal.):	0.140	
All	Length N	leasuremen	ts are in De	cimal Fee	et		
Sample Interval (ft.) Top	San	nple ld#		D	escription		
0.0 -0.1	MM-T) -SED-00 @1104	-(2_097126 0-01				Silty clay,	
0.1-0.3	Mm-TI -SED-0	1-03	Silty Cla	derk brown	et, 517	incx streaks,	
3.3-0.5	mm-TI-	C2:1592120	l			ck, sitty clay,	Y
0,5-0.82	(W) 100	2.20	Dark brown Silt, ma	n with	blacks	traks, clayery, shight sheer	- ->
Bottom		ζ	e 9-21:	TO			
Number of containers:		0		Nominal co	Core V	olumes I	1
Type of container: bucket	liner bag	jar	other	diameter		EST. Volume	
Liner Type: A CO+CA+C	Vibracorer: Push Corer		Slambar	4.0" 3.5"		.50gal/ft .33gal/ft	-
Live Organisms present Oil-Like Present Odor Present Debris Present		increa	Con	nments		collectedury	ች
Photo Numbers							





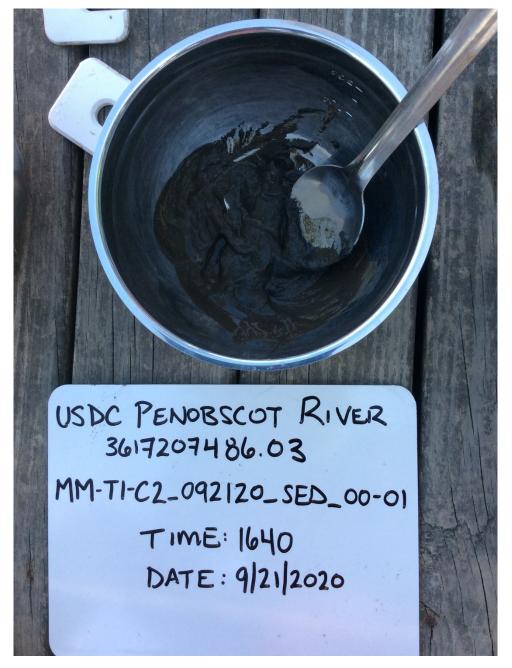


PHOTO 1:

CORE: MM-T1-C2

DEPLOYMENT: 1

INTERVAL: 0.0-0.1 FT



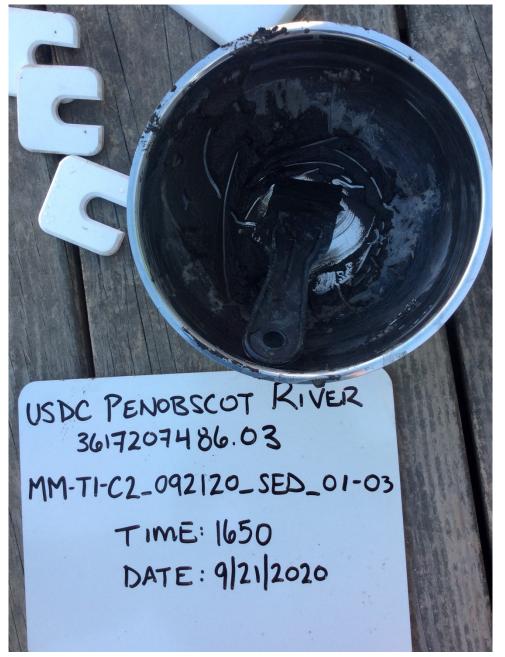


PHOTO 2:

CORE: MM-T1-C2

DEPLOYMENT: 1

INTERVAL: 0.1-0.3 FT





PHOTO 3:

CORE: MM-T1-C2

DEPLOYMENT: 1

INTERVAL: 0.3-0.5 FT



APPENDIX B - 2.15

Station Summary – MM-T2-C3



STATION SUMMARY				
Station ID: MM-T2-C3	Core collection and sample processing date:	Written by:		
	21 Sept 2020	C. Lauback		
Analytes: Total Mercury, Methyl Mercury, Total Organic Carbon		Checked by:		
Laboratory: Eurofins		B. Weyer		

A – MM-T2-C3 Collection Overview

On Monday, September 21, 2020, Wood scientists cored station MM-T2-C3 in the Mendall Marsh reach between 11:30am and 11:13pm. The weather was clear with a temperature of 60 °F and wind from the North. A small craft vessel was used to access the marsh platform where the sampling crew disembarked on foot to the sampling location. A shooter shovel was utilized for sediment collection. The shooter shovel penetrated one foot into the subsurface and sediment was sampled directly from the shooter shovel.

B - Field Data Records

See the field forms (Attachment B) for additional information on deployment(s) and core(s) at station MM-T2-C3.

C – Deployment Accuracy - GPS Locations

As shown in the Deployment Locations Figure (Attachment C), the location of station MM-T2-C3 represents the single collection point with the shooter shovel. The deployment represented a vegetated marsh platform accessible at low tide within the Mendall Marsh reach.

D – Processing Overview

Same-day processing was performed on MM-T2-C3 by Wood scientists on location. Sediment was sampled at pre-designated intervals (0.0-0.1-ft, 0.1-0.3-ft, and 0.3-0.5-ft) by extruding a single interval at a time. The extruder and tools used for extrusion were decontaminated between intervals. Each interval was placed into a stainless-steel bowl, homogenized and aliquoted for analyses of total mercury, methyl mercury (0.0-0.1-ft and 0.1-0.3-ft intervals only) and total organic carbon (TOC). Intervals 0.1-0.3 ft and 0.3-0.5 ft of MM-T2-C3 were selected to be used for a MS/MSD laboratory control sample.

The appearance and textural properties of all recovered sediment was described using the Unified Soil Classification (USCS). A sulfur-like odor was present throughout the core.

Sediment Core Logs are attached (See Attachment B).

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MM-T2-C3

There was acceptable recovery with the shooter shovel at MM-T2-C3, over 0.5-ft.

- 0.0 0.1 ft: brown clayey SILT, medium to high plasticity, wet, trace fine roots, trace large roots, sulfur-like odor
- 0.1 − 0.3 ft: brown clayey SILT, medium to high plasticity, wet, trace fine roots, trace large roots, sulfur-like odor
- 0.3 0.5 ft: brown clayey SILT, medium to high plasticity, saturated, trace fine roots, trace large roots, root density increases with depth, sulfur-like odor
- 0.5 0.8 ft: brown clayey SILT, medium to high plasticity, saturated, trace fine roots, trace large roots, root density increases with depth, sulfur-like odor
- 0.8 1.0 ft: brown clayey SILT, medium to high plasticity, saturated, trace fine roots, trace large roots, root density decreases with depth, sulfur-like odor

E - Photolog

The photo log, included as Attachment D, presents photos of each sample, post homogenization and pre-aliquoting for analytical samples.

Project No.: 3617207486 Page 2 March 2021

Penobscot River Mercury Study - Phase III Engineering Evaluation

WOOD.	SI	EDIMENT CO	RE LOG		
Owner: USDC - PCNOBSCO	Project No.	3617207	486 Logger: +	1. PLANTE	
Sub: BN 4/22/20	wo:			bechard, solard	
BN 7/2420	Date: 9/21/20	Time:	//45 Vessel: \	maler	
Coordinates: Lat 44.59142	4 Long -6	8.86198	Plan Volu	me: 0.140 31	
Sampling Station: MM-T2-	C3	Deploy No.	/ Sub-	tidal Location? NO	
Weather: 60°FCLEAR Winds:NOT	RTH Waters: N	n	Traffic: NA 🔩	Water Temp: N.A.	
Measured Water Depth [NAVD88]	Core P	Core Penetration Length (ft.): / O			
Correction to NAVD88 (+/- ft. from NAVD88)		Recove	ered Core Length (ft.)): (.0	
Mudline (Corrected Depth) @ NAVD88	-	Sample	e Length Retained (ft.)): 0.5	
Study Depth (-NAVD88)		Acceptable	Core (80% recovery)): Yes	
Required Penetration Length	0.5'	Core V	olume Retained (gal.)): 0.14()	
All	Length Measureme	nts are in De	cimal Feet		
Sample Interval (ft.)	Sample Id #		Description	LAND OF ASSOCIATION	
Top D.O - O.)	Mm-T2-C3_092120_	=0		WIED TO	
3,0 4 0, 1	SED_00-01@1150		LE FINE ROOTS.		
	MM-TZ-C3_092120	- JAME AS	0.0-0.1		
0-1 - 0.3	SED-01-03 @120	0			
mm-T2-C3_692120_		- SAME AS	SAME AS 0.1-0.3. INCREASED ROOT DENSITY W) DEPTH. WHER MOISTURE		
0.3-0.5	525_05-05 @ 1210	DENSITY CONTENT.	W) DEPTH. LUC	JEK MOTSTURE	
0.5-110 W/c		SAME AS DECREAS DEPTH.	SAMEAS 0.3-0.5. AFTER 0.8', DECREASING ROOT DENSITY WI DEPTH.		
Bottom	(30) 63	2/20			
Number of containers:		T /	Core	Volumes	
	<u> </u>	other	Nominal core-barrel	EST. Volume	
Type of container: bucket Liner Type:	liner bag jar Vibracorer: Spe	comments	diameter 4.0"	.50gal/ft	
NA	Push Corer	Slambar	3.5"	.33gal/ft	
Live Organisms present NO Oil-Like Present NO Odor Present SULFUR Debris Present ND	SHOETER	SHOVEL	nments		
Photo Numbers	*				

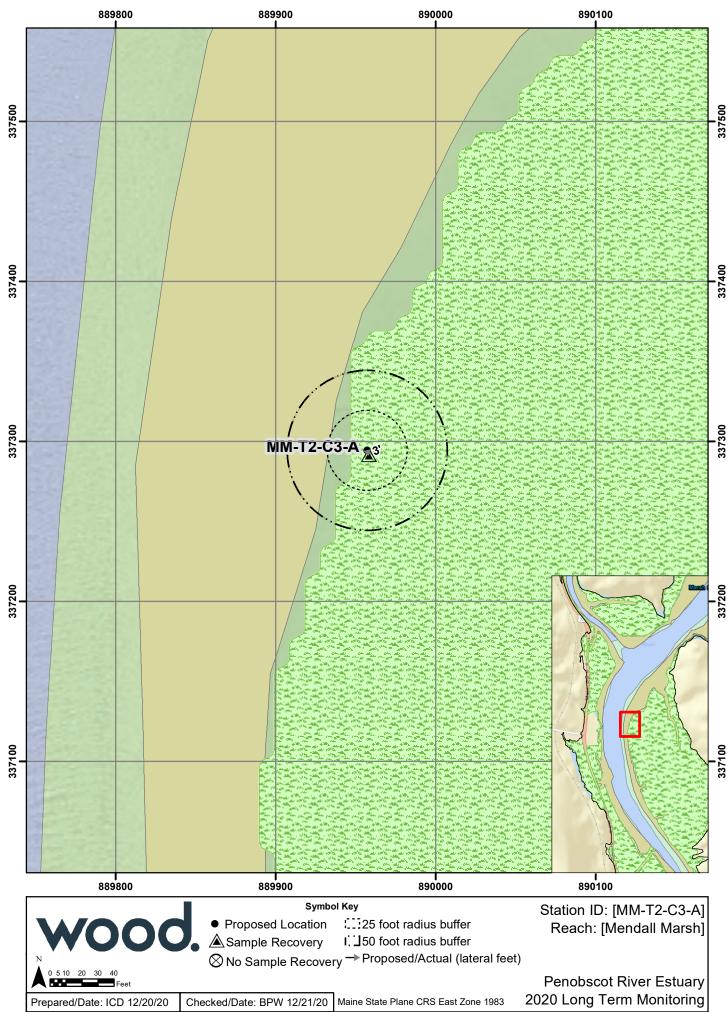






PHOTO 1:

CORE: MM-T2-C3

DEPLOYMENT: 1

INTERVAL: 0.0-0.1 FT





PHOTO 2:

CORE: MM-T2-C3

DEPLOYMENT: 1

INTERVAL: 0.1-0.3 FT





PHOTO 3:

CORE: MM-T2-C3

DEPLOYMENT: 1

INTERVAL: 0.3-0.5 FT



APPENDIX B - 2.16

Station Summary – MM-T2-C1



STATION SUMMARY				
Station ID: MM-T2-C1	Core collection and sample processing date:	Written by:		
	18 Sept 2020	C. Lauback		
Analytes: Total Mercury, Methyl Mercury, To	Checked by:			
Laboratory: Eurofins		B. Weyer		

A – MM-T2-C1 Collection Overview

On Friday, September 18, 2020, Wood scientists cored station MM-T2-C1 in the Mendall Marsh reach between 10:55am and 11:05am. The weather was cloudy with a temperature of 55°F and winds from the South. A small craft vessel was used to access the marsh platform, where the sampling crew disembarked on foot to the sampling station. Sediment was sampled by 1-ft hand push cores with 3-in diameter acetate liners. One (1) 1-ft push core, designated in the field as MM-T2-C1, was collected at the station location and was preserved on wet ice, while awaiting to be processed.

B – Field Data Records

See the field forms (Attachment B) for additional information on deployment(s) and core(s) at station MM-T2-C1.

C – Deployment Accuracy - GPS Locations

As shown in the Deployment Locations Figure (Attachment C), the location of station MM-T2-C1 represents the single collection point with the push corer. The deployment represented a vegetated marsh platform accessible at low tide within the Mendall Marsh reach.

D - Processing Overview

Same-day processing was performed on MM-T2-C1 by Wood scientists at the Wood Field Station, Winterport, Maine. Core MM-T2-C1 was sampled at pre-designated intervals (0.0-0.1-ft, 0.1-0.3-ft, and 0.3-0.5-ft) by extruding a single interval at a time. The extruder and tools used for extrusion were decontaminated between intervals. Each interval was placed into a stainless-steel bowl, homogenized and aliquoted for analyses of total mercury, methyl mercury (0.0-0.1-ft and 0.1-0.3-ft intervals only) and total organic carbon (TOC).

The appearance and textural properties of all recovered sediment was described using the Unified Soil Classification (USCS).

Sediment Core Logs are attached (See Attachment B).

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MM-T2-C1

Push core MM-T2-C1 had an acceptable recovery over 0.5-ft.

- 0.0 0.1 ft: medium to dark brown clayey SILT, saturated, high organic content, fine-dense roots
- 0.1 0.3 ft: medium brown clayey SILT, saturated, very high organic fine-dense roots
- 0.3 0.5 ft: medium brown clayey SILT, saturated, very high organic fine-dense roots
- 0.5 0.65 ft: medium brown clayey SILT, saturated, very high organic fine-dense roots

E - Photolog

The photo log, included as Attachment D, presents photos of each sample, post homogenization and pre-aliquoting for analytical samples.

Project No.: 3617207486 Page 2 March 2021

wood.	obscot River Mercury			ineering	Evaluation
	SEI	DIMENT COF	RE LOG		
Owner: USDC	Project No.: ?	617207486	Call ma line		PLANTE
Sub: NOOD EtTS None	WO:		. 111-	Crew: HP,	
BW 4 22/20	Date: 9/18/20	Time:/	035	/essel: ω	HALER
Coordinates: Lat 44.59054		1.85962	-/ F		e: 0.140 ga/
Sampling Station: MM -T2-	<i>C</i> 1	Deploy No.		Sub-tid	al Location? NO
Weather: 55 CWURY Winds: Son	Utu Waters: N	n ·	Traffic: <i>U</i>		Water Temp: NA
Measured Water Depth [NAVD88]:	· NA	Core Pe	enetration L	ength (ft.):	0.95
Correction to NAVD88 (+/- ft. from NAVD88)		Recove	red Core L	ength (ft.):	0.65
Mudline (Corrected Depth) @ NAVD88:		Sample	Length Ret	ained (ft.):	0,5
Study Depth (-NAVD88):		Acceptable	Core (80%	recovery):	WYES .
Required Penetration Length	: 0.51		olume Retai		0.140
All	Length Measuremen	ts are in Dec	imal Fee	t	
Sample Interval (ft.)	Sample Id#		more and the second	scription	Theresee the March
Top 00 - 0.1	MM-TZ-C1_091820 -SED_00-01				clayeysilt
	@1235	saturated	l, nigh	i organ	ic content,
0.1-0.3	MM-T2-C1-091820 -SED-0891-03	medium or	own cla	cyly si	it, saturated,
	@ 1245		organ	ic dens	e fireroots
0.3-0.5	MM-T2-C1-091820	sam-	e as	0.1	· 0 · 3
	@1255				
0.5-0.65	(D) (18-70	same as 0.3-0.5			
	9-10-				
			-		
		(SC) 9-18-20			
Bottom			9-18		
				Core Vo	olumes
Number of containers:	/ 6		Nominal co	re-barrel	ECT Values
Type of container: bucket	liner bag jar Vibracorer:	other	diameter 4.0"		EST. Volume .50gal/ft
Liner Type: Aver ATE	Push Corer	Slambar	3.5"		.33gal/ft
Live Organisms present NO		Com	ments		
Oil-Like Present NO	Extruder				
Odor Present Yes, organi	T.				
Photo Numbers	=				
AIEA					
Photo Numbers					

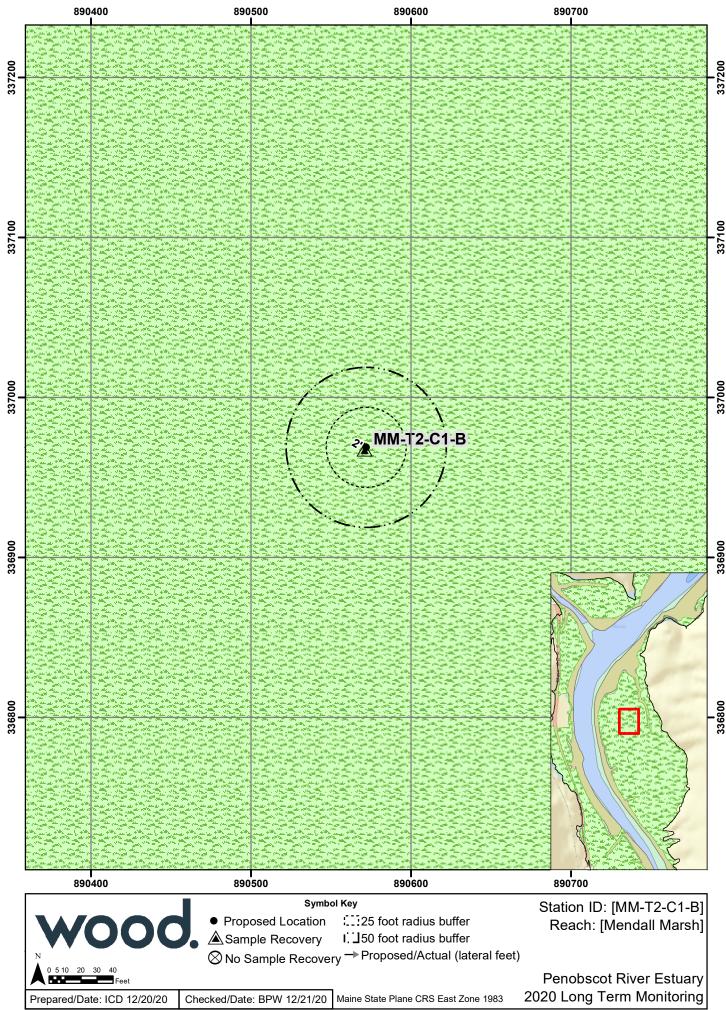






PHOTO 1:

CORE: MM-T2-C1

DEPLOYMENT: 1

INTERVAL: 0.0-0.1 FT

DATE: 9/18/2020



PHOTO 2:

CORE: MM-T2-C1

DEPLOYMENT: 1

INTERVAL: 0.1-0.3 FT



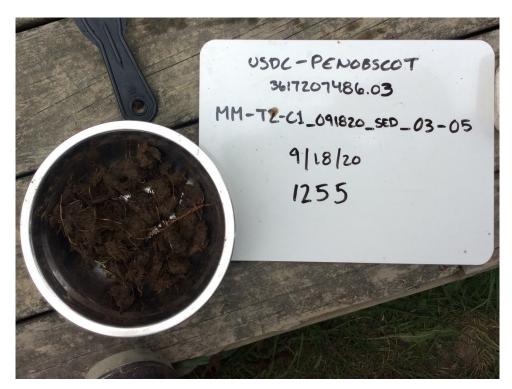


PHOTO 3:

CORE: MM-T2-C1

DEPLOYMENT: 1

INTERVAL: 0.3-0.5 FT



APPENDIX B - 2.17

Station Summary – MM-T5-C1



STATION SUMMARY				
Station ID: MM-T5-C1	Core collection and sample processing date:	Written by:		
	18 Sept 2020	C. Lauback		
Analytes: Total Mercury, Methyl Mercury, To	Checked by:			
Laboratory: Eurofins		B. Weyer		

A – MM-T5-C1 Collection Overview

On Friday, September 18, 2020, Wood scientists cored station MM-T5-C1 in the Mendall Marsh reach between 10:45am and 10:55am. The weather was clear with a temperature of 55°F and wind from the North. A small craft vessel was used to access the marsh platform, where the sampling crew disembarked on foot to the sampling location. Sediment was collected by 1-ft hand push cores with 3-in diameter acetate liners. One (1) 1-ft push core, designated in the field as MM-T5-C1, was collected at the station location and was preserved on wet ice while awaiting to be processed.

B – Field Data Records

See the field forms (Attachment B) for additional information on deployment(s) and core(s) at station MM-T5-C1.

C – Deployment Accuracy - GPS Locations

As shown in the Deployment Locations Figure (Attachment C), the location of station MM-T5-C1 represents the single collection point with the push core. The deployment represented a vegetated marsh platform accessible at low tide within the Mendall Marsh reach.

D – Processing Overview

Same-day processing was performed on MM-T5-C1 by Wood scientists at the Wood Field Station, Winterport, Maine. Core MM-T5-C1 was sampled at pre-designated intervals (0.0-0.1-ft, 0.1-0.3-ft, and 0.3-0.5-ft) by extruding a single interval at a time. The extruder and tools used for extrusion were decontaminated between intervals. Each interval was placed into a stainless-steel bowl, homogenized and aliquoted for analyses of total mercury, methyl mercury (0.0-0.1-ft and 0.1-0.3-ft intervals only) and total organic carbon (TOC).

The appearance and textural properties of all recovered sediment was described using the Unified Soil Classification (USCS).

Sediment Core Logs are attached (See Attachment B).

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MM-T5-C1

Push core MM-T5-C1 had an acceptable recovery over 0.5-ft.

- 0.0 0.1 ft: brown clayey SILT, dense fine roots, saturated, live organisms
- 0.1 0.3 ft: brown clayey SILT, less dense, fine roots, saturated
- 0.3 0.5 ft: brown clayey SILT, less dense than overlying root mass
- 0.5 0.89 ft: brown clayey SILT, dense fine roots, saturated

E – Photolog

The photo log, included as Attachment D, presents photos of each sample, post homogenization and pre-aliquoting for analytical samples.

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		Chudu Bhas	o III Engineerin	g Evaluation	
wood.	obscot River Mercu			9 =	
	5	EDIMENT COR	LOG Logger: A	- PIANTE	
wner: USDC	Project No			P. TG	
ub: WOOD E ITS Non	4 WO:	T: 1	ZAS Vaccal /	NHAIZR	i, i
BW 9/22/20	Date: 9/18/20	1 ime : 4	lalia	ıme: 0.140 Bw	9/22
pordinates: Lat 44.59 00	01 Long - 6	8.858305 7			0.14
ampling Station: MM-T5	The state of the s	Deploy No.	Sub-	tidal Location?	
Veather: 55° Coop Winds: 50		SA T	raffic: NA	Water Temp: NA	
	NIA		netration Length (ft.): 0.9	
Measured Water Depth [NAVD88 Correction to NAVD88 (+/- ft. from					
NAVD88			red Core Length (ft.	-	1
Mudline (Corrected Depth) @ NAVD8	8:		Length Retained (ft	.1 -	1
Study Depth (-NAVD88			Core (80% recover)	1 11	1
Required Penetration Lengt		eyerre a security and the second property affects	lume Retained (gal	.). Ottig	1
A	ll Length Measurem	ents are in Dec	imal Feet		-
Sample Interval (ft.)	Sample Id#	Same response a resident	Description		
Top	mm-15-C1-0918	520 Broun	clayeusit	r, dense	
00-0.1	-SED-00-01	600 000	ts, saturate	dilive	
	@1310				-
	mm-T5-C1-09	1820 Brown C	layey silt, 1	ess dense	
0.1 - 0.3	SED-01-03	Fine rou	ts, saturat	ed	
	@ 1320	700			1
co 2 co 5	mm-T5-C1-00 LSED-03-05	11820 Same a	50.1-0.3	slightly	1
0.3-0.5	_SED_03-05	uss root	s, less dense	3	
	@1330		# 1500 		-
0 (0 0	V-7	Brown	clayey silt,	dense fine	
0.5-0.8	(Da 10.	roots	atvated		
	(50 a 18-72				-
	705.0	-18-20			ı
\	30,0	V 25			
Bottom			Cor	e Volumes	7.5005
Number of containers:	-/ 6		Nominal core-barr	el	
Type of container: bucke	et liner bag ja	r other	diameter	EST. Volume .50gal/ft	
Liner Type:	Vibracorer:	Slambar	4.0" 3.5"	.33gal/ft	
ACETRITE	Push Corer	W5.	A TOTAL CONTRACTOR OF THE STREET		
Live Organisms present YES	TOP Extruder	Cor	nments		
Oil-Like Present	- CXH UUU				
Odor Present Debris Present					1
B. 122/2020					
B. 00 12020					
9/22/					

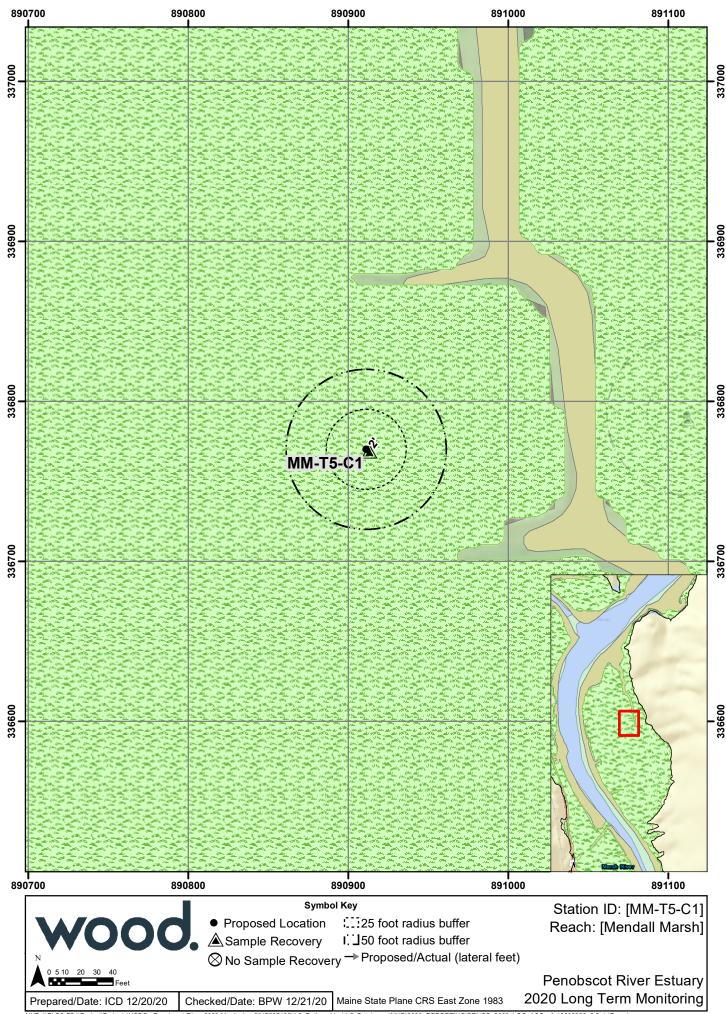






PHOTO 1:

CORE: MM-T5-C1

DEPLOYMENT: 1

INTERVAL: 0.0-0.1 FT

DATE: 9/18/2020



PHOTO 2:

CORE: MM-T5-C1

DEPLOYMENT: 1

INTERVAL: 0.1-0.3 FT





PHOTO 3:

CORE: MM-T5-C1

DEPLOYMENT: 1

INTERVAL: 0.3-0.5 FT



APPENDIX B - 2.18

Station Summary – MM-T5-C3



STATION SUMMARY				
Station ID: MM-T5-C3	Core collection and sample processing date:	Written by:		
	21 Sept 2020	C. Lauback		
Analytes: Total Mercury, Methyl Mercury, To	Checked by:			
Laboratory: Eurofins		B. Weyer		

A – MM-T5-C3 Collection Overview

On Monday, September 21, 2020, Wood scientists cored station MM-T5-C3 in the Mendall Marsh reach between 12:15pm and 1:40pm. The weather was clear with a temperature of 60 °F and wind from the North. Sea conditions were negligible to sampling effort, as station was accessed by foot. A shooter shovel was utilized for sediment collection. The shooter shovel penetrated 0.9-ft into the subsurface and sediment was sampled directly from the shooter shovel.

B – Field Data Records

See the field forms (Attachment B) for additional information on deployment(s) and core(s) at station MM-T5-C3.

C – Deployment Accuracy - GPS Locations

As shown in the Deployment Locations Figure (Attachment C), the location of station MM-T5-C3 represents the single collection point with the shooter shovel. The deployment represented a vegetated marsh platform accessible at low tide within the Mendall Marsh reach.

<u>D – Processing Overview</u>

Same-day processing was performed on MM-T5-C3 by Wood scientists on location. Sediment was sampled at pre-designated intervals (0.0-0.1-ft, 0.1-0.3-ft, and 0.3-0.5-ft) by extruding a single interval at a time. The extruder and tools used for extrusion were decontaminated between intervals. Each interval was placed into a stainless-steel bowl, homogenized and aliquoted for analyses of total mercury, methyl mercury (0.0-0.1-ft and 0.1-0.3-ft intervals only) and total organic carbon (TOC).

The appearance and textural properties of all recovered sediment was described using the Unified Soil Classification (USCS).

Sediment Core Logs are attached (See Attachment B).

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MM-T5-C3

There was acceptable recovery with the shooter shovel at station MM-T5-C3, over 0.5-ft.

- 0.0 0.1 ft: brown, clayey SILT, saturated high plasticity, fine roots throughout, some woody roots
- 0.1 0.3 ft: brown clayey SILT, saturated, fine roots and woody roots matted, very dense
- 0.3 0.5 ft: brown clayey SILT, saturated, fine roots, less dense than overlying sediment
- 0.5 0.9 ft: brown clayey SILT, saturated, fine roots, decreasing density with depth

E – Photolog

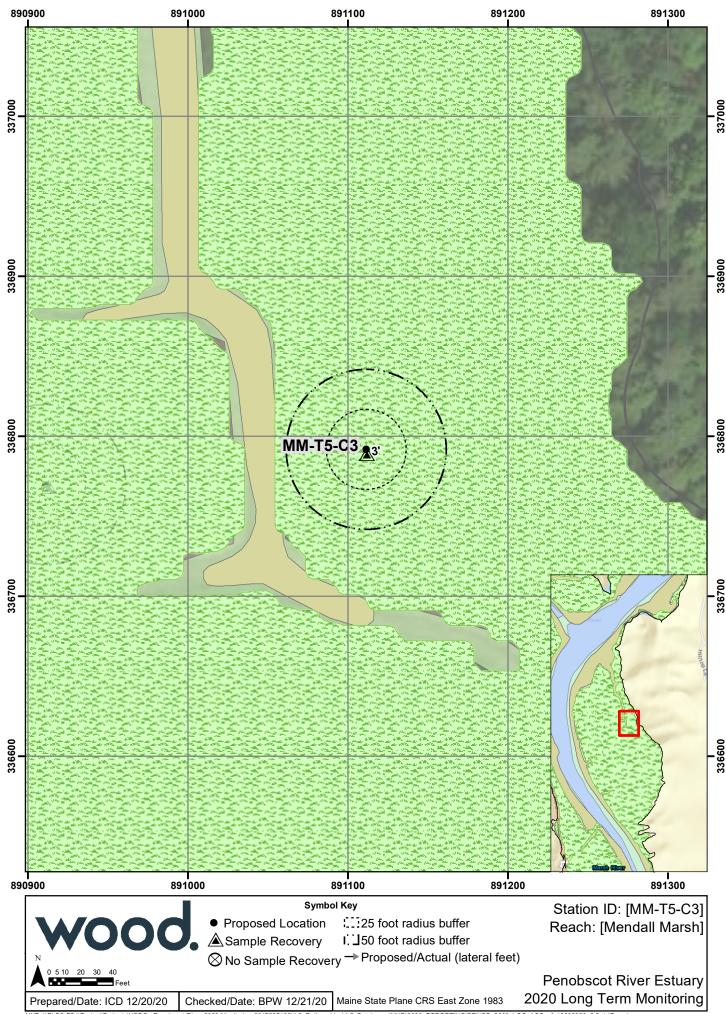
The photo log, included as Attachment D, presents photos of each sample, post homogenization and pre-aliquoting for analytical samples.

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wood.

Penobscot River Mercury Study - Phase III Engineering Evaluation

BW In Project No :		Account to the second		
20 WO: ——	5617207 486 — Time : [3		Plante, T. Gerl	rad,
PRINCE TO SECURE AND ACTION AND ACTION OF THE PROPERTY OF THE	AND SECURITIES AND SECURITIES.			
	Deploy No.	IN CONTRACTOR		
	v A Tra	affic: NA	Water Temp: NA]
NA	Core Pene	etration Length (ft.):	: 1.0	
	Recovered	d Care Length (ft.):	. 09	1
			2630	1
			1	
0.5′	Core Volu	me Retained (gal.)	: 0.140	
Length Measuremer	nts are in Decin	nal Feet	Alleman Lateral Programmer and State Superior Control	
Sample Id #		Description		Ì
-SED-00-01				some
mm+5-C3-092121 -560-00-03	Brown day	jeys, it, sa:tu	rated, fine	rout
mm-75-13-092121 -560-03-05 (01330	Brown clay	eysilt, sat , 1055 dens	rated, e, 50 a-21-20	
© 9	21-20			
		Core V	olumes]
liner bag / far/ Vibracorer:	other dia	ameter 4.0"	EST. Volume .50gal/ft	
And the second second second second second second	Commo			
	Date: 9-21-20 9	Date: 9-21-20 Time: [7] 19 Long -68. 35 7543 Core Pender of the period	Date: 9-21-20 Time: [305 Vessel: 79 Long -68. 85 7543 Plan Volume C3 Deploy No. Sub-to-C3 Deploy No. Sub-to-C3 Deploy No. Sub-to-C3 Deploy No. Sub-to-C3 Deploy No. Sub-to-C3 Deploy No. Sub-to-C3 Deploy No. Sub-to-C3 Plan Retained (ft.) Recovered Core Length (ft.) Recovered Core Length (ft.) Recovered Core Length (ft.) Recovered Core Length (ft.) Acceptable Core (60% recovery) Core Volume Retained (gal.) Length Measurements are in Decimal Feet Sample Id # Description MM-T5-C3-092120 Brown clayeys: 1+, sature of the core	Date: 4-21-20 Time: [305 Vessel: N/A Chod Plan Volume: 0.140 gal Core Penetration Length (ft.): 1.0 Recovered Core Length (ft.): 1.0 Recovered Core Length (ft.): 0.9 Acceptable Core (60% recovery): 45 Core Volume Retained (gal.): 0.140 Length Measurements are in Decimal Feet Sample Id# Description MMT5-C3-072120 Brown clayeys: 1+, satrated, fine Toots and woody (oots throughout language) and the core of the co





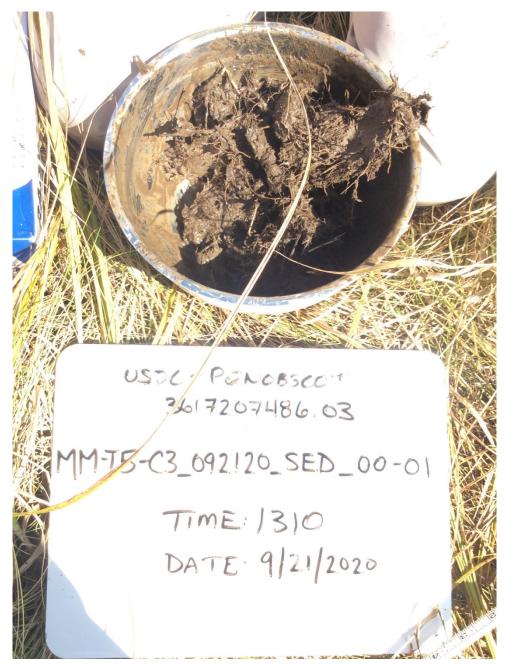


PHOTO 1:

CORE: MM-T5-C3

DEPLOYMENT: 1

INTERVAL: 0.0-0.1 FT





PHOTO 2:

CORE: MM-T5-C3

DEPLOYMENT: 1

INTERVAL: 0.1-0.3 FT



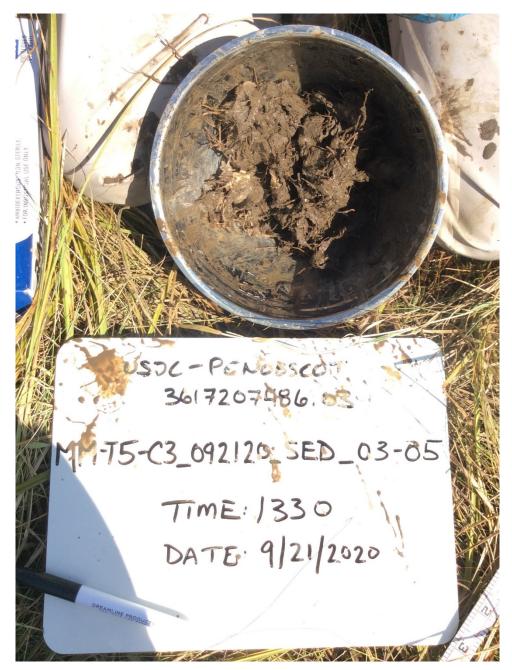


PHOTO 3:

CORE: MM-T5-C3

DEPLOYMENT: 1

INTERVAL: 0.3-0.5 FT



APPENDIX B - 2.19

Station Summary – MMSW-C



STATION SUMMARY				
Station ID: MMSW-C	Core collection and sample processing date:	Written by:		
	17 Sept 2020	C. Lauback		
Analytes: Total Mercury, Methyl Mercury, To	Checked by:			
Laboratory: Eurofins		B. Weyer		

A - MMSW-C Collection Overview

On Thursday, September 17, 2020, Wood scientists cored station MMSW-C in the Mendall Marsh reach between 10:10am and 10:50am. The weather was clear with a temperature of 65°F and light wind. Sea conditions were negligible to sampling effort, as station was accessed by foot. A shooter shovel was utilized for sediment collection. The shooter shovel penetrated 1.6-ft into the subsurface and sediment was sampled directly from the shooter shovel.

B – Field Data Records

See the field forms (Attachment B) for additional information on deployment(s) and core(s) at station MMSW-C.

C – Deployment Accuracy - GPS Locations

As shown in the Deployment Locations Figure (Attachment C), the location of station MMSW-C represents the single collection point with the shooter shovel. The deployment represented a vegetated marsh platform accessible at low tide within the Mendall Marsh reach.

<u>D – Processing Overview</u>

Same-day processing was performed on MMSW-C by Wood scientists on location. Sediment was sampled at pre-designated intervals (0.0-0.1-ft, 0.1-0.3-ft, and 0.3-0.5-ft) by extruding a single interval at a time. The extruder and tools used for extrusion were decontaminated between intervals. Each interval was placed into a stainless-steel bowl, homogenized and aliquoted for analyses of total mercury, methyl mercury (0.0-0.1-ft and 0.1-0.3-ft intervals only) and total organic carbon (TOC).

The appearance and textural properties of all recovered sediment was described using the Unified Soil Classification (USCS).

Sediment Core Logs are attached (See Attachment B).

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MMSW-C

There was acceptable recovery with the shooter shovel at station MMSW-C over 0.5-ft.

- 0.0 0.1 ft: brown CLAY, roots throughout, trace fine sand, wet, high plasticity
- 0.1 0.3 ft: brown CLAY, roots throughout, roots denser and finer than overlying root material, wet
- 0.3 0.6 ft: brown CLAY, fine roots, less dense with depth, saturated

E – Photolog

The photo log, included as Attachment D, presents photos of each sample, post homogenization and pre-aliquoting for analytical samples.

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wood.	obscot River Mercury	Study - Pha	se III Engineering	Evaluation	
WOOO.	SEI	DIMENT COF	RE LOG		
Owner: USPC	Project No.:	361720748	Logger: H.	PLANTE	
Sub: 6000 6+ 159/22/	20 WO: ——		Crew: TG	HP.	
None	Date: 9/17/20	Time:	1020 Vessel: A	19	
Coordinates: Lat 44.5799	78 Long -68	. 86 0386	Plan Volum	e: 0.140Gal	
Sampling Station: MMSW-	<u>د</u>	Deploy No.) Sub-tid	al Location? NO	
Weather: 65° SO Winds: SN	int breeze Waters: N	A	Traffic: NA	Water Temp: NA	
Measured Water Depth [NAVD88]:	NA	Core P	enetration Length (ft.):	1.6'	
Correction to NAVD88 (+/- ft. from NAVD88):		Recove	ered Core Length (ft.):	1.6	
Mudline (Corrected Depth) @ NAVD88:	9 <u></u>		Length Retained (ft.):	6" - 0.5"	
Study Depth (-NAVD88):			Core (80% recovery):	YES	
Required Penetration Length	1 01		olume Retained (gal.):	0.140	
	Length Measuremen				
Sample Interval (ft.)	Sample Id #		Description	\$ 15/40 m = 120	
Top	MMSW-C_091720_	Brown C	Ay Roots three sand, wet,	aghary,	
0-0.1	SED_00-01	trace fin	e sand, wet,	nigh	
	@ 1030	prasticit	9		
	MMSW-C_091720	SAA, mor	edense + time	roots, wet	
0.1-0.3	SED_01-03	compa	cted roots	* S * /	
1 1	@1040	I.			
	MMSW-C_091720	SAA, Sah	rated fine	roots, less	
0.3-0.5	SED_C3-OS	dense	, ,		
				*	
		9-17-20	9		
	(50	100			
Bottom			Core Vo	dumae	
Number of containers:	-/6		Nominal core-barrel	Junes	
Type of container: bucket	liner bag jar	other	diameter	EST. Volume	
Liner Type: ACETATE	Vibracorer: (See (1	Slambar -	3.5"	.50gal/ft .33gal/ft	
13.66	Push Corer			1.55gai/it	
Live Organisms present YES Oil-Like Present NO SHOOTER SHOUL					
Oil-Like Present NO Odor Present Y65-08-GA1	SHOOTER	2110066			
Debris Present PO]				
Photo Numbers					
a Waler					
B. 257 120 20 9 120 20					

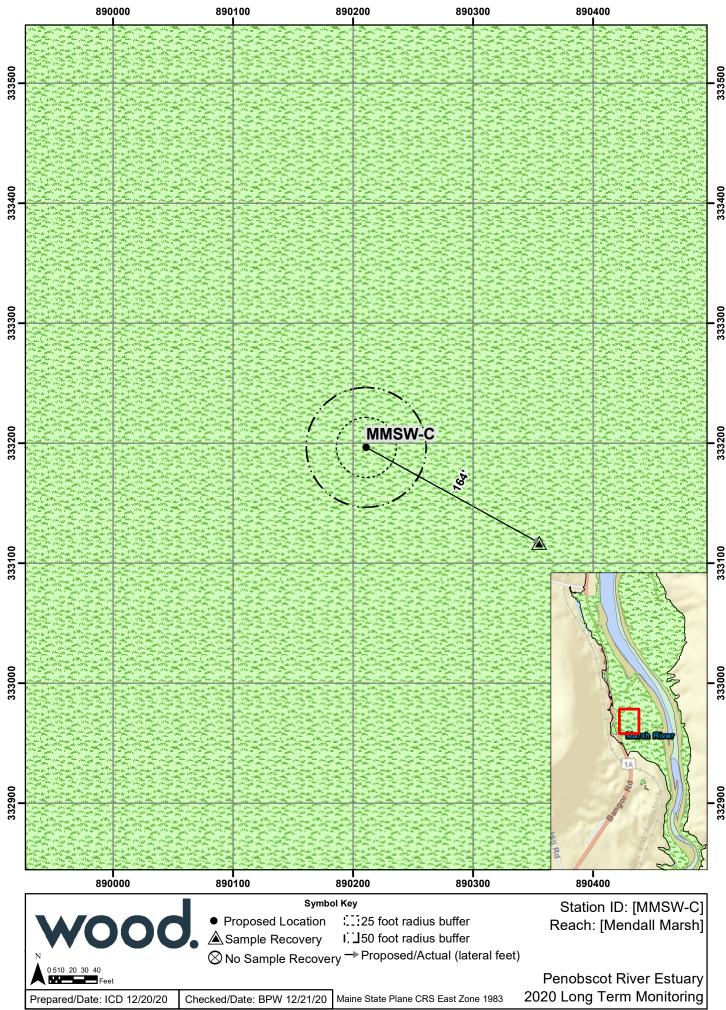






PHOTO 1:

CORE: MMSW-C

DEPLOYMENT: 1

INTERVAL: 0.0-0.1 FT

DATE: 9/17/2020



PHOTO 2:

CORE: MMSW-C

DEPLOYMENT: 1

INTERVAL: 0.1-0.3 FT





PHOTO 3:

CORE: MMSW-C

DEPLOYMENT: 1

INTERVAL: 0.3-0.5 FT



APPENDIX B - 2.20

Station Summary – W-22-Mid



STATION SUMMARY				
Station ID: W-22-Mid	Core collection and sample processing date:	Written by:		
	18 Sept 2020	C. Lauback		
Analytes: Total Mercury, Methyl Mercury, To	Checked by:			
Laboratory: Eurofins		B. Weyer		

A – W-22-Mid Collection Overview

On Friday, September 18, 2020, Wood scientists cored station W-22-Mid in the Mendall Marsh reach between 10:10am and 10:50am. The weather was cloudy with a temperature of 50°F and winds from the South. Sea conditions were negligible to sampling effort, as station was accessed by foot. A small craft vessel was used to access the marsh platform, where the sampling crew disembarked on foot to the sampling station. A shooter shovel was utilized for sediment collection. The shooter shovel penetrated 0.9-ft into the subsurface and sediment was sampled directly from the shooter shovel.

B – Field Data Records

See the field forms (Attachment B) for additional information on deployment(s) and core(s) at station W-22-Mid.

C - Deployment Accuracy - GPS Locations

As shown in the Deployment Locations Figure (Attachment C), the location of station W-22-Mid represents the single collection point with the shooter shovel. The deployment represented a vegetated marsh zone accessible at low tide within the Mendall Marsh reach.

D – Processing Overview

Same-day processing was performed on W-22-Mid by Wood scientists on location. Sediment was sampled at pre-designated intervals (0.0-0.1-ft, 0.1-0.3-ft, and 0.3-0.5-ft) by extruding a single interval at a time. The extruder and tools used for extrusion were decontaminated between intervals. Each interval was placed into a stainless-steel bowl, homogenized and aliquoted for analyses of total mercury, methyl mercury (0.0-0.1-ft and 0.1-0.3-ft intervals only) and total organic carbon (TOC).

The appearance and textural properties of all recovered sediment was described using the Unified Soil Classification (USCS). A sulfur-like odor was observed at final depth of the core.

Sediment Core Logs are attached (See Attachment B).

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W-22-Mid

There was acceptable recovery with the shooter shovel at W-22-Mid, over 0.5-ft.

- 0.0 0.1 ft: brown clayey SILT, some organic-like material and roots, wet, organisms present, low plasticity
- 0.1 0.3 ft: brown clayey SILT, dense fine roots throughout, some organic-like material, wet, low plasticity
- 0.3 0.6 ft: brown clayey SILT, very dense fine roots, wet, low plasticity
- 0.5 0.9 ft: brown clayey SILT, very dense fine roots, wet low, plasticity, sulfur-like odor

E – Photolog

The photo log, included as Attachment D, presents photos of each sample, post homogenization and pre-aliquoting for analytical samples.

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wood.	Penobscot River Mercury		
Owner: U SDC		SUMENT CORE LOG	Logger: HP, T4
Sub: WOODENIS NO	wo:	Time: 953	Crew: HP, T4 Vessel: WHALER
Coordinates: Lat 44.565	808 Long -68	. 856 275	Plan Volume: 0.140 seA
Sampling Station: WW - 2	22-MID	Deploy No.	Sub-tidal Location? NO
Weather: 150F CLOUDY Winds:	SWTH Waters: CAL	M Traffic: 人	U/A Water Temp: NA
Measured Water Depth [NAV	D88]: N/A - MARSH	Core Penetratio	n Length (ft.): <i>0-9</i>
Correction to NAVD88 (+/- ft. NAV	from —	Recovered Cor	e Length (ft.): 6.9
Mudline (Corrected Depth) @ NAV		Sample Length I	Retained (ft.): 0.51
Study Depth (-NAV	D88):	Acceptable Core (86	0% recovery): 465
Required Penetration Le	ngth: 0.51	Core Volume Re	etained (gal.):
	All Length Measurement	ts are in Decimal F	eet
Sample Interval (ft.)	Sample Id #		Description
Top	WW - 22-MID_091820_	ROOTS. WET. O	ILT SOME ORGANNICS + IRGANISMS PRESENT, LOR
0.0 -0.1	SED_00-01 @1000	PLASTICITY.	SILT. DENSE FINE ROOT
	ww-22-MID_091820_	7. 16	THE ORGANICS, WET LOW
0.1-0.3	SED_0)-03 @ 1010	PLASTICITY.	
	W60-22-MD_091820_	BROWN CLAYEY	SILT . VERY DEWSE FINE W PLASTICITY.
0.3-0.5	SED_03-05 C1020	е	
	N/A	3 AME AS 0.3-6	D.S. SULFUR LIKE ODOR
0.5-0.9			
	509-	8-20	
Bottom			
Number of containers: /	/ / /		Core Volumes
Type of container: buck	Ta Jar Le Ket Jiner bag jar	other diamete	core-barrel EST. Volume
Liner Type: NA	Vibracorer: (See (mments) 4	.0" .50gal/ft
	Push Corer		.5" .33gal/ft
Live Organisms present VCS Oil-Like Present A)O Odor Present SULFVR Debris Present NCS	84 2150	Comments ISED TO SAMPLE	E MAKS II PLATFORM.
Photo Numbers B. Agrillono			
· · · · ·			
	e = _ f		
	\$ " ;		

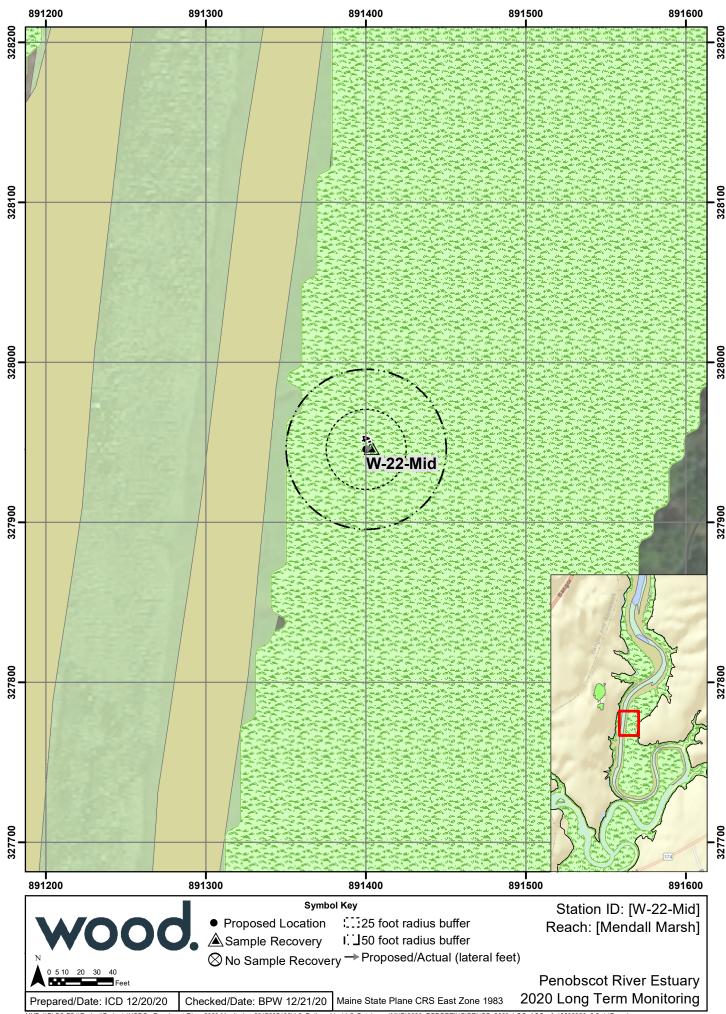






PHOTO 1:

CORE: W-22-Mid

DEPLOYMENT: 1

INTERVAL: 0.0-0.1 FT





PHOTO 2:

CORE: W-22-Mid

DEPLOYMENT: 1

INTERVAL: 0.1-0.3 FT





PHOTO 3:

CORE: W-22-Mid

DEPLOYMENT: 1

INTERVAL: 0.3-0.5 FT



APPENDIX B - 2.21

Station Summary – PBR-28



STATION SUMMARY					
Station ID: PBR-28	Core collection and sample processing date:	Written by:			
	17 Sept 2020	C. Lauback			
Analytes: Total Mercury, Methyl Mercury, Total Organic Carbon Checked by Chec					
Laboratory: Eurofins		B. Weyer			

A – PBR-28 Collection Overview

On Thursday, September 17, 2020, Wood scientists cored station PBR-28 in the Verona Northeast reach between 3:10pm and 4:05pm. The weather was clear with a temperature of 65 °F and breezy. Sea conditions were negligible to sampling effort, as station was accessed by foot. Sediment was sampled by 1-ft hand push cores with 3-in diameter acetate liners. Two (2) 1-ft push cores, designated in the field as PBR-28 and PBR-28_DUP, were collected at the station location and were preserved on wet ice while awaiting to be processed.

B - Field Data Records

See the field forms (Attachment B) for additional information on deployment(s) and core(s) at station PBR-28.

C – Deployment Accuracy - GPS Locations

As shown in the Deployment Locations Figure (Attachment C), the collection location of station PBR-28 and its duplicate are represented. The deployments represented a vegetated marsh zone accessible at low tide within the Verona Northeast reach.

D – Processing Overview

Same-day processing was performed on PBR-28 on September 17, 2020 by Wood scientists at the Wood Field Station, Winterport, Maine. Cores PBR-28 and PBR-28_DUP were sampled at pre-designated intervals (0.0-0.1-ft, 0.1-0.3-ft, and 0.3-0.5-ft) by extruding a single interval at a time. The extruder and tools used for extrusion were decontaminated between intervals. Each interval was placed into a stainless-steel bowl, homogenized and aliquoted for analyses of total mercury, methyl mercury (0.0-0.1-ft and 0.1-0.3-ft intervals only) and total organic carbon (TOC). Station PBR-28 was used for laboratory duplicate analyses.

The appearance and textural properties of all recovered sediment was described using the Unified Soil Classification (USCS). A sulfur-like odor was observed in both cores during processing, increasing with depth.

Sediment Core Logs are attached (See Attachment B).

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PBR-28

Push core PBR-28 had acceptable recovery over 0.5-ft.

- 0.0 0.1 ft: dark brown CLAY, some silt, wet, odor
- 0.1 0.3 ft: dark brown CLAY, some silt, wet, odor
- 0.3 0.5 ft: dark brown CLAY, some silt, moist to wet, organic sulfur-like odor
- 0.5 0.86 ft: medium brown CLAY, high plasticity, some silt, moist to wet, organic sulfur-like odor

PBR-28_DUP

Push core PBR-28_DUP had acceptable recovery over 0.5-ft.

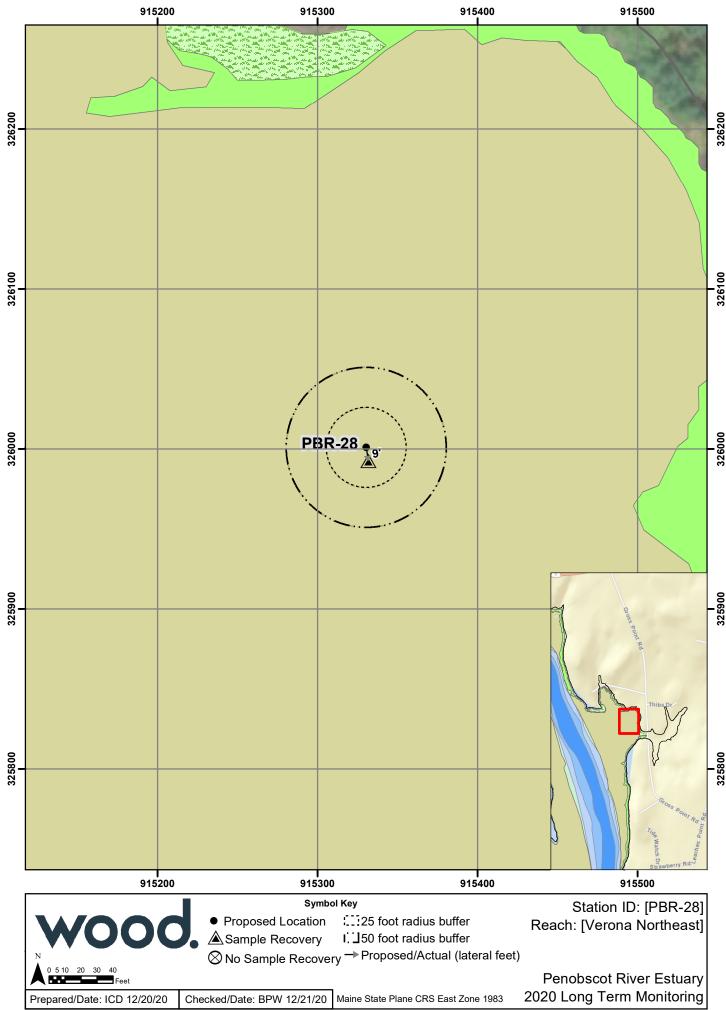
- 0.0 0.1 ft: dark brown CLAY, some silt, wet, odor
- 0.1 0.3 ft: dark brown CLAY, some silt, wet, odor
- 0.3 0.5 ft: dark brown CLAY, some silt, moist to wet, organic sulfur-like odor
- 0.5 0.87 ft: medium brown CLAY, high plasticity, some silt, moist to wet, organic sulfur-like odor

E – Photolog

The photo log, included as Attachment D, presents photos of each sample, post homogenization and pre-aliquoting for analytical samples.

wood.	obscot River Mercury	Study - Pha	ase III Engineering	g Evaluation
***	SED	DIMENT COL	RE LOG	
Owner: USDC	Project No.: 7	661720748		LOLPIN
Sub: WOOD CHS 9/21/2	WO:			1HP, T/57
None BW	Date: 9-17-20	Time:	1530 Vessel: 1	UIA
Coordinates: Lat 44.50% 60	0696 Long -68	. 7644 3	5 Plan Volun	ne: 0 140 bal
Sampling Station: PBR-28		Deploy No.	↑ Sub-ti	dal Location? YES
Weather: 657, Sun Winds: 7	reeze Waters: 11	A	Traffic: M/A	Water Temp: N/A
Measured Water Depth [NAVD88]:	A 2 4A	Core P	enetration Length (ft.):	0.951
Correction to NAVD88 (+/- ft. from			V. 34	64
NAVD88)			ered Core Length (ft.):	. ~ .
Mudline (Corrected Depth) @ NAVD88			e Length Retained (ft.): e Core (80% recovery)	
Study Depth (-NAVD88)	1 -		olume Retained (gal.):	
Required Penetration Length				0.(-10
	Length Measurement	ts are in De		
Sample Interval (ft.) Top	Sample Id #	CHELL CONTROL	Description	
0-0.1	PBR-28-09M20-560	Dark B	oun, day, s	une silt,
	Q1745	wet, or		
	738-28_091720_SED			Connecial
0.1-0.3	_01-03		roun clay,	2010 S 2 17 1
	@1800	wet, oda	2	
0.3-0.5	PBR-28-091720_SE	Darky	nown day	Some Hatesilt
	@181S	moist &	to wet oday	(5) 9-17-20 cry(m: (-5))/fr
20				
0,5-0.84	NIA		m brown (
		nigh p	lasticity, sur	esilt, moust
		to wet	odur organi	c- suffer-like
100	4-17-20			
Bottom				
			Core \	/olumes
Number of containers:	1		Nominal core-barrel	
Type of container: bucket	liner bag jar	other	diameter 4.0"	EST. Volume .50gal/ft
Liner Type: A(ctate	Vibracorer: (Push Corer)	Slambar	3.5"	.33gal/ft
		Cor	nments	
Oil-Like Present NO	Extruder		to a march of the state of the	
Odor Present YES				
Photo Numbers	=			
B. Way 2020				

Pen	obscot River Me	rcury S	tudy - Phase	e III Engineering E	Evaluation
wood.			MENT CORE	LOG	
Owner: USDC	Projec	t No.: 3 (17207481	Q Logger: S. C	
Sub: WOOD ET IS None	WO:			Crew: SC,	
, 8w 9/22/20	Date: 9-17-24	י כ	Time: \9	SSD Vessel: N/	A
coordinates: Lat 44.56069	6 Long	-68.	764433		:0.140 Gal
Sampling Station: 788-28			Deploy No.	COST COST COST COST COST COST COST COST	I Location? YES
Veather: 15 4, Sun Winds: R		s: NU	A STATE OF THE PARTY OF THE PAR	The second second	Vater Temp: P/A
Measured Water Depth [NAVD88]	114		Core Per	netration Length (ft.):	0.95
Correction to NAVD88 (+/- ft. from NAVD88	1 —		Recovere	ed Core Length (ft.):	0.8%
Mudline (Corrected Depth) @ NAVD88			Sample L	ength Retained (ft.):	0.5 °
Study Depth (-NAVD88	-		Acceptable (Core (80% recovery):	10 Ta 210 YE
Required Penetration Length	and the same of		Core Vo	lume Retained (gal.):	3.140
	l Length Measu	rements	s are in Deci	mal Feet	
Sample Interval (ft.)	Sample Id			Description	
Top 0 - 0.1	PBR-28-09 F	120_560	DarkBa	oun clay, s	surves: 1+,
	01925		not, od	U	
		720.50	Dark Br	own day, s	ione Silt
0.1-0.3		?	net, 08	KOC	
	(W1835	70 Cam			
0.3-0.5	PBR-28-0917	O-SED	DOU'L ISA	ounclay, Su	
	@1845		moist to	wet joder	ryanic-Sulf
0.5-0.87	NA		medium	roroun dai	1 high
0.5 0.0.	7017		plustic 4	to Currol 1+	006(4+0
			wet on	or organic-su	Grive
	60 91	170	300,1000	a agente so	(Fur the
Pottom		_			
Bottom					olumes
Number of containers:		<u>le</u>		Nominal core-barrel	EST. Volume
Type of container: bucke	The state of the s	jar	other	diameter 4.0"	.50gal/ft
Liner Type: Aletate	Vibracorer: Push Corer		Slambar	3.5"	.33gal/ft
			Con	nments	
Oil-Like Present NO	EXTU	des			
Odor Present	2	:-			
Debris Present No					
Photo Numbers					
Photo Numbers					
0/22/2					





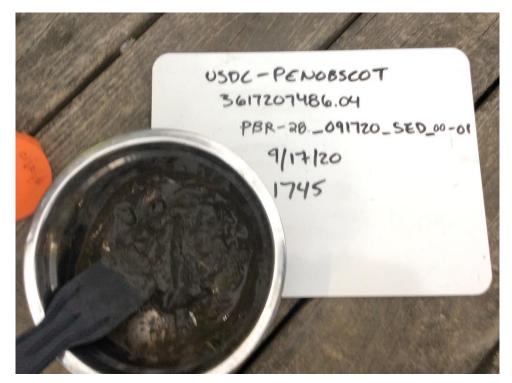


PHOTO 1:

CORE: PBR-28

DEPLOYMENT: 1

INTERVAL: 0.0-0.1 FT

DATE: 9/17/2020



PHOTO 2:

CORE: PBR-28

DEPLOYMENT: 1

INTERVAL: 0.1-0.3 FT





PHOTO 3:

CORE: PBR-28

DEPLOYMENT: 1

INTERVAL: 0.3-0.5 FT

DATE: 9/17/2020



PHOTO 4:

CORE: PBR-28_DUP

DEPLOYMENT: 1

INTERVAL: 0.0-0.1 FT



PHOTO 5:

CORE: PBR-28_DUP

DEPLOYMENT: 1

INTERVAL: 0.1-0.3 FT

DATE: 9/17/2020

Interval not photographed. See PBR-28 (0.1-0.3 FT) for representative photograph (Page 1 of this photo log).



PHOTO 6:

CORE: PBR-28_DUP

DEPLOYMENT: 1

INTERVAL: 0.3-0.5 FT



APPENDIX B - 2.22

Station Summary – VN-02-04



STATION SUMMARY					
Station ID: VN-02-04	Core collection and sample processing date:	Written by:			
	16 Sept 2020	C. Lauback			
Analytes: Total Mercury, Methyl Mercury, To	Checked by:				
Laboratory: Eurofins		B. Weyer			

A – VN-02-04 Collection Overview

On Wednesday, September 16, 2020, Wood scientists cored station VN-02-04 in the Verona Northeast reach between 9:35am and 9:50am aboard the *R/V Tesla*. The weather was clear with temperatures in the 50's (°F) and varying winds ranging from 10 to 15-knots from the Southwest. Sea conditions were slight to moderate, with a wave height of 1.0-2.0-ft, providing acceptable conditions for the vessel to hold on location for sampling. A box corer was utilized for sediment collection. Sediment was sampled from the box corer by 1-ft hand push cores with 3-in diameter acetate liners. One (1) deployment of the box corer was attempted at VN-02-04 to obtain two (2) 1-ft hand push cores, designated in the field as VN-02-04-A and VN-02-04-B. Two cores were collected at this station in case sample integrity of a single core were to become compromised between collection and processing. Cores were preserved on wet ice while awaiting to be processed.

B – Field Data Records

See the field forms (Attachment B) for additional information on deployment(s) and core(s) at station VN-02-04.

C – Deployment Accuracy - GPS Locations

As shown in the Deployment Locations Figure (Attachment C), the location of station VN-02-04 represents the single deployment of the box corer. The deployment represented a non-vegetated intertidal zone accessible at high tide within the Verona Northeast reach.

<u>D – Processing Overview</u>

Same-day processing was performed on VN-02-04-A and VN-02-04-B by Wood scientists at the Wood Field Station, Winterport, Maine. Core VN-02-04-A, designated during processing as VN-02-04, was sampled at pre-designated intervals (0.0-0.1-ft, 0.1-0.3-ft, and 0.3-0.5-ft) by extruding a single interval at a time. The extruder and tools used for extrusion were decontaminated between intervals. Each interval was placed into a stainless-steel bowl, homogenized and aliquoted for analyses of total mercury, methyl mercury (0.0-0.1-ft and 0.1-0.3-ft intervals only) and total organic carbon (TOC).

The appearance and textural properties of each push core was described using the Unified Soil Classification (USCS).

Sediment Core Logs are attached (See Attachment B).

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VN-02-04

Push core VN-02-04 had an acceptable recovery over 0.5-ft.

- 0.0 0.1 ft: very dark olive gray clayey SILT
- 0.1 0.3 ft: very dark gray clayey SILT
- 0.3 0.5 ft: very dark gray clayey SILT
- 0.5 0.57 ft: no sample recovered for description

E – Photolog

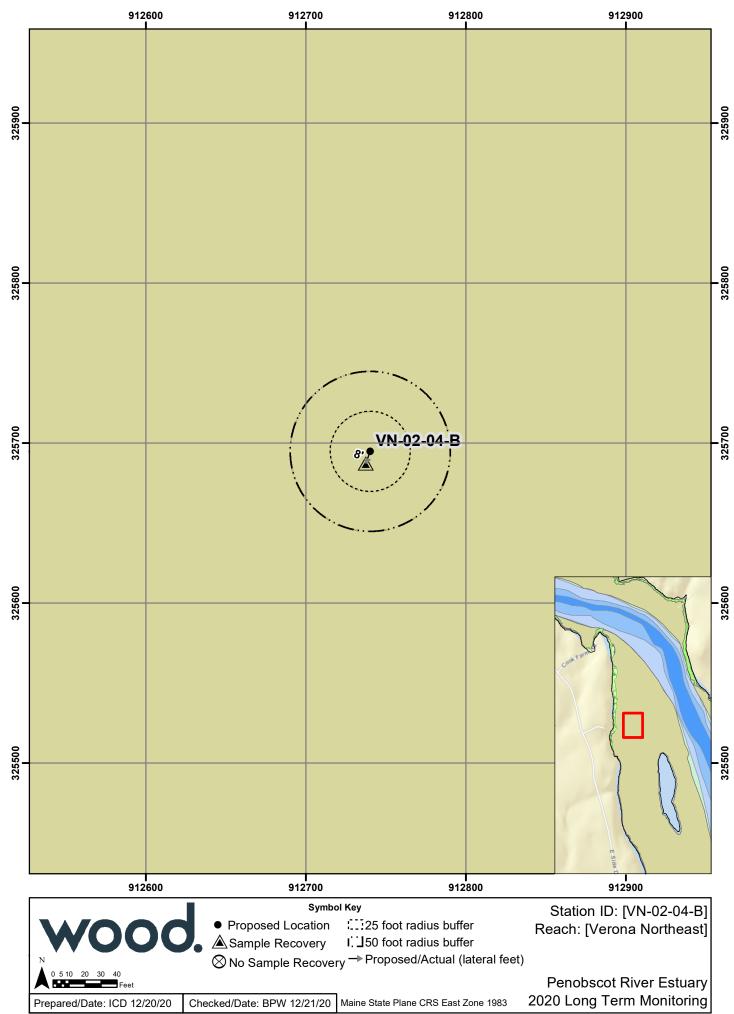
The photo log, included as Attachment D, presents photos of each sample, post homogenization and pre-aliquoting for analytical samples.

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wood.	nobscot R	iver Mercur	y Study - P	hase III E	ngineeri	ng Evaluation
******			DIMENT C			
Owner: USDC		Project No.:	3617207	486	Logger:	C.LAUBACK
Sub: ASI	- 1	WO:	_		1200	.WEYER
	Date: 9/10	0/20	Time	:0940		2/V TESLA
Coordinates: Lat 44.5598	- 10	Long -(08	3.77438	3		ume: 0.140gal
Sampling Station: VN-02-0			Deploy N	o. 1	Sub	-tidal Location? No
Weather: SUN NY, 505 Winds: 10	5-15	Waters: J-Z		Traffic: No	ONE	Water Temp:
Measured Water Depth [NAVD88			Core	Penetration	Length (ft.): (), (o'
Correction to NAVD88 (+/- ft. fro NAVD88				vered Core		C1 9/1-1- 3
Mudline (Corrected Depth) @ NAVD8				le Length Re). O 21
Study Depth (-NAVD88				le Core (80%		
Required Penetration Length	th: 6 "			Volume Reta		
	II Length M	easuremen	ts are in Do	ecimal Fee	et	J
Sample Interval (ft.)	Sam	ple ld#	671	De	escription	
10000,-001,	00-	61	CLAYE	Y SILT; VE	BOARK	OLIVE GRAY
		O1			(t	5 Y 3 Z)
			CLAYFY	SILT, VERY	DAZV	00411
0.1-0.3	01-	23	C-13101	SICI, VENI	VARL	2 KAY
0.3'-0.5'	03	~~	CLAYEY	SILT, VER	LYDARK	LGRAY
0 , 0 , 0	03-	,U2				
	-					
0.5'-0.57'		-	NOSY	AMPLE 2	ECOVE	PPD POR
			DESCR	MORTS	(0 0 0	REV POR
11.0		~ ^				
- CA		- CA-1-C	100	-CA		
•		/ dlla	10			
Bottom						
Number of containers:	-mession.	6	-		Core V	olumes
ype of container: bucket	liner bag	jar	other	Nominal cor diameter	re-barrel	EST. Volume
iner Type: ALETATE ACETATE	Vibracorer:	(Box		4.0"		.50gal/ft
	Push Corer		Slambar	3.5"		.33gal/ft
Cil-Like Present NO			Con	ments		
Odor Present No						
Debris Present No						
noto numbers						
B. WEYER 2010						
9/201	00000	NINTEC -	T	- 1 A		/
	MOKUI	MAIRZ	-CCO RDt	U W A	315 G	PS (ON VESSEZ)

QC CHECK BY B. WEYER 9/22/2020

wood.	enobscot River Merc	cury Study - Phase II	I Engineering Evaluation	
	SEDIMENT CORE LOG			
Owner: USDC		No.: 3617207486	Logger: C. LAUBACK	
Sub: A51	WO: -		Crew: B. WEYER	
	Date: 9/16/20	Time : 0940		
Coordinates: Lat 44.55983	35 Long ~	68774383	te a contreve de lorge et dat en albacente. O sobreta	
Sampling Station: VN-02-		Deploy No. \	Plan Volume: 0.140gal	
Veather: SUNNY, 50s Winds:		A CONTRACTOR OF STREET	Sub-tidal Location? NO	
Measured Water Depth [NAVD8	commendation of the second second second second second second second second second second second second second	Charles (Charles After a property Charles	and the property of the second control of the second secon	
Correction to NAVD88 (+/- ft. fr		Core Penetrat	ion Length (ft.): 🔘 🎸	
NAVD		Recovered C	ore Length (ft.): 0.5	
Mudline (Corrected Depth) @ NAVD	88:		n Retained (ft.): () 5	
Study Depth (-NAVD8		Acceptable Core (
Required Penetration Leng	th: 0.5 '		Retained (gal.): O _e 140aa	
A	II Length Measurem			
Sample Interval (ft.)	Sample Id #	CHANGE THE PROPERTY OF THE PARTY		
Top 0.0-0.1	00-01_007	CLAYEY SILT	Description ; VERY DARK GRAY, SLIGI	
0.1-0.3	01-03_007	GLAYEYSILT;	WINIMAS VERY FINE	
0.3-0.5	05-0029/16/2	20 CLAYEY SILT	, VERY DARK GRAY	
	03-05_DUP			
		9 9/16/20		
ottom				
mber of containers:			Core Volumes	
pe of container: bucket	<u> </u>	Nominal	core-barrel	
er Type: ALMCL9/16	liner bag jar Vibracorer: (15)	other diameter		
ALETATE	Push Corer	Slambar 3.	0" .50gal/ft 5" .33gal/ft	
ve Organisms present NO	The state of the s	Comments	1.00gai/It	
Oil-Like Present NO			Si Si	
Odor Present No ———————————————————————————————————	YES@ 0.3-0.5	CHAD A SUPER	- LIKE SMELL)	
B. WEVER				
9/001	COORDINATES T	RECORDED W A	ISÍS GPS (ONUESED)	





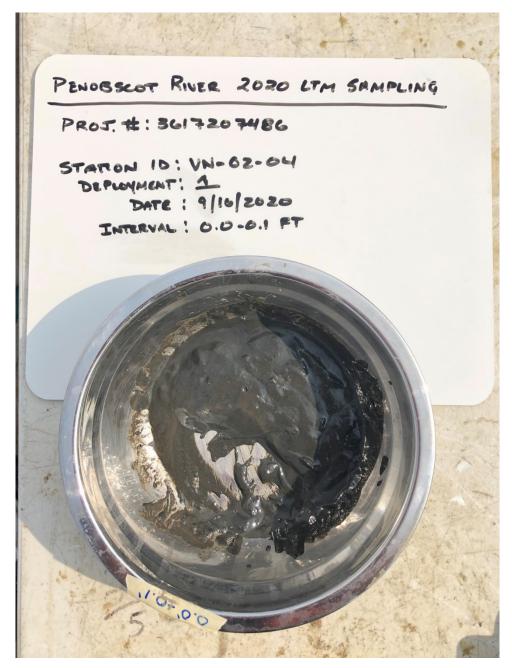


PHOTO 1:

CORE: VN-02-04

DEPLOYMENT: 1

INTERVAL: 0.0-0.1 FT



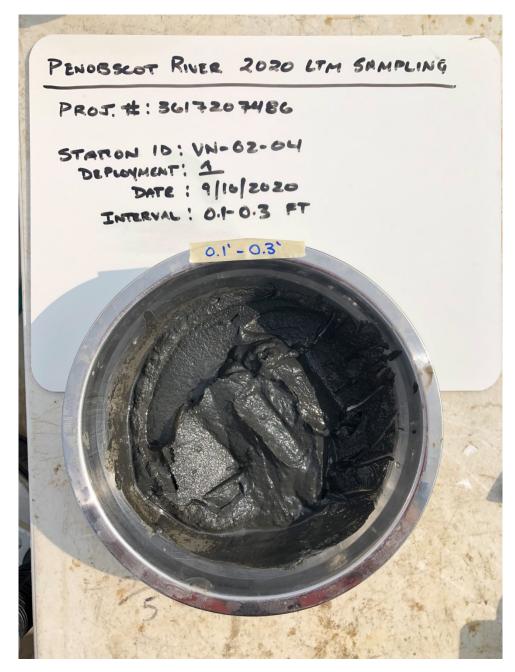


PHOTO 2:

CORE: VN-02-04

DEPLOYMENT: 1

INTERVAL: 0.1-0.3 FT



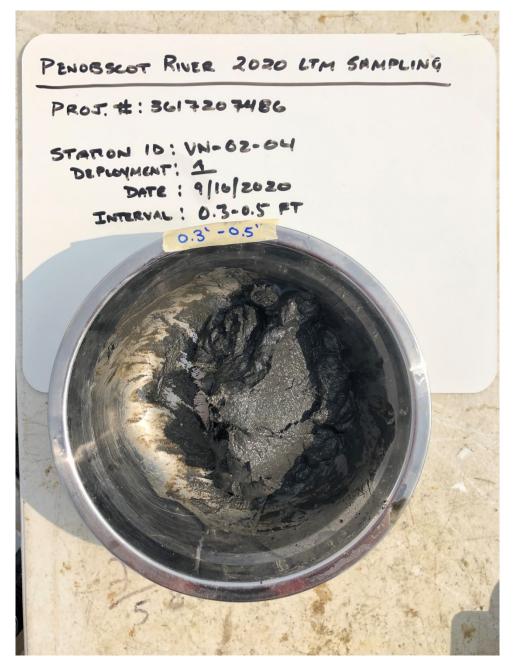


PHOTO 3:

CORE: VN-02-04

DEPLOYMENT: 1

INTERVAL: 0.3-0.5 FT



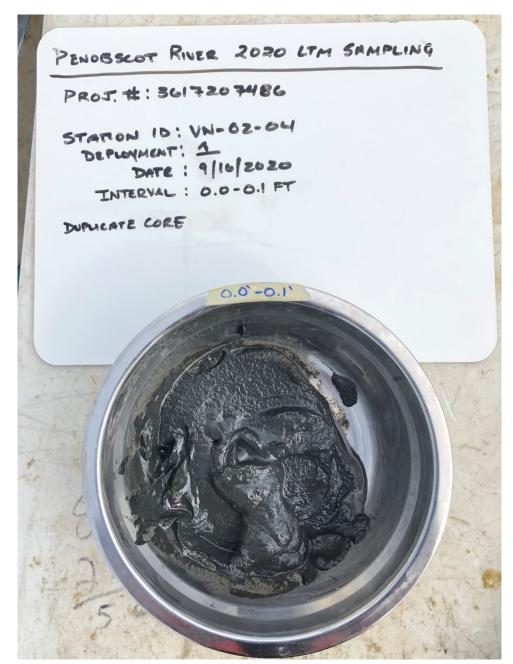


PHOTO 4:

CORE: VN-02-04_DUP

DEPLOYMENT: 1

INTERVAL: 0.0-0.1 FT



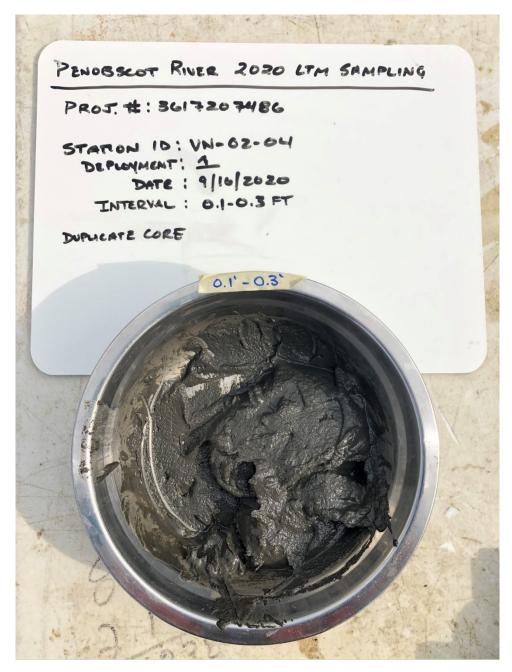


PHOTO 5:

CORE: VN-02-04_DUP

DEPLOYMENT: 1

INTERVAL: 0.1-0.3 FT



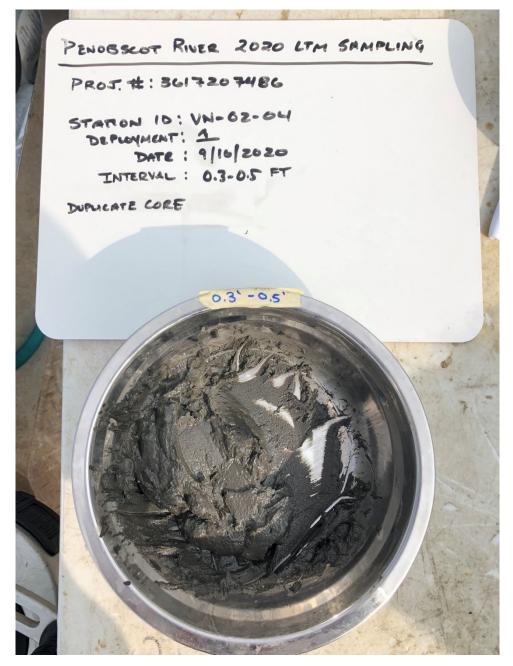


PHOTO 6:

CORE: VN-02-04_DUP

DEPLOYMENT: 1

INTERVAL: 0.3-0.5 FT



APPENDIX B - 2.23

Station Summary - VN-MU3-GC-1



STATION SUMMARY					
Station ID: VN-MU3-GC-1	Core collection and sample processing date: 16 Sept 2020	Written by: C. Lauback			
Analytes: Total Mercury, Methyl Mercury, To Laboratory: Eurofins	otal Organic Carbon	Checked by: B. Weyer			

A – VN-MU3-GC-1 Collection Overview

On Wednesday, September 16, 2020, Wood scientists cored station VN-MU3-GC-1 in the Verona Northeast reach between 9:50am and 10:05am aboard the *R/V Tesla*. The weather was clear with temperatures in the 50's (°F) and varying winds ranging from 10 to 15-knots from the Southwest. Sea conditions were slight to moderate, with a wave height of 1.0-2.0-ft, providing acceptable to marginal conditions for vessel to hold on location for sampling. A box corer was utilized for sediment collection. Sediment was sampled from the box corer by 1-ft hand push cores with 3-in diameter acetate liners. One (1) deployment of the box corer was attempted at VN-MU3-GC-1 to obtain two (2) 1-ft hand push cores, designated in the field as VN- MU3-GC-1_A and VN-MU3-GC-1_B. Two cores were collected at this station in case sample integrity of a single core was to become compromised between collection and processing. Cores were preserved on wet ice while awaiting to be processed.

B – Field Data Records

See the field forms (Attachment B) for additional information on deployment(s) and core(s) at station VN-MU3-GC-1.

<u>C – Deployment Accuracy - GPS Locations</u>

As shown in the Deployment Locations Figure (Attachment C), the location of station VN-MU3-GC-1 represents the single deployment of the box corer. The deployment represented a non-vegetated intertidal zone accessible at high tide within the Verona Northeast reach.

D – Processing Overview

Same-day processing was performed on VN-MU3-GC-1-A by Wood scientists at the Wood Field Station, Winterport, Maine. Core VN-MU3-GC-1-A, designated during processing as VN-MU3-GC-1, was sampled at pre-designated intervals (0.0-0.1-ft, 0.1-0.3-ft, and 0.3-0.5-ft) by extruding a single interval at a time. The extruder and tools used for extrusion were decontaminated between intervals. Each interval was placed into a stainless-steel bowl, homogenized and aliquoted for analyses of total mercury, methyl mercury (0.0-0.1-ft and 0.1-0.3-ft intervals only) and total organic carbon (TOC).

The appearance and textural properties of each push core was described using the Unified Soil Classification (USCS).

Sediment Core Logs are attached (See Attachment B).

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VN-MU3-GC-1

Push core VN-MU3-GC had an acceptable recovery over 0.5-ft.

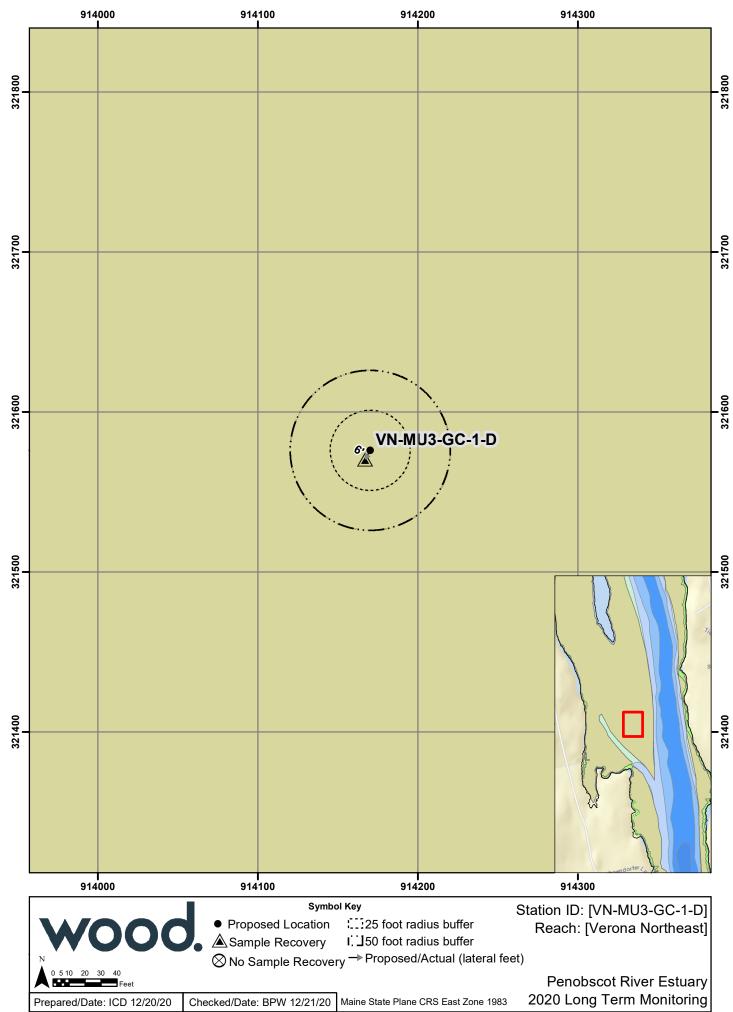
- 0.0 0.1 ft: very dark gray clayey SILT, fines, no sands
- \bullet 0.1 0.3 ft: very dark gray clayey SILT with some very fine sands, contained articulated bivalve
- 0.3 0.5 ft: very dark gray clayey SILT with some very fine sands, wood chips present in sample
- 0.5 0.65 ft: very dark gray clayey SILT with brown medium sand sized wood chips, some vegetative root mass fibers

E – Photolog

The photo log, included as Attachment D, presents photos of each sample, post homogenization and pre-aliquoting for analytical samples.

Project No.: 3617207486 Page 2 March 2021

Penobscot River Mercury Study - Phase III Engineering Evaluation SEDIMENT CORE LOG					
Owner: USDC			361720748		LAURACK
Sub: AS I		WO:	-		WEYER
1/3/	Date: 9 16		Time ;		VV TESLA
Coordinates: Lat 44.54.855	CONTRACTOR OF THE PARTY OF THE		768846	mikadesa tarihin oleh sasadi di kelaran mesasi 2.	me: 0.140ga1
Sampling Station: VN - MU3	CHARLEST CONTRACTOR SECTION STREET		Deploy No.	\ Sub-I	tidal Location? NO
Weather SUNNY, SOS Winds: 10		Waters: 3.4	CONTRACTOR CONTRACTOR	Traffic: NONE	Water Temp: -
Measured Water Depth [NAVD88]	COMMENSACION CONTRACTOR NA	n insertion was such a such a	William Strawage and Strawage	enetration Length (ft.)	Every later to the light till schools of distance of
Correction to NAVD88 (+/- ft. from NAVD88)	ĭ			ered Core Length (ft.)	
Mudline (Corrected Depth) @ NAVD88				Length Retained (ft.)	
Study Depth (-NAVD88):				Core (80% recovery)	
Required Penetration Length:	0.51			olume Retained (gal.)	
All	Length Me	asurement	s are in De	cimal Feet	0
Sample Interval (ft.)	refield following Templifie	le ld#		Description	
Top 0.0'-0.1'	00-0	01	CLAYE	EY SILT, VERY I	dark Gray,
0.1-0.3	01-03 CLAYEYSILT WI SOME VERY FINE SANDS: ARTICULATED BIVALVE VERY DARK GRAY			PINATAE NEBA ZIVIE	
0.3'-0.5'	03-05 CLAYEY SILT WI SOME VERY FINE SANDS (MINIMAL) & WOODCHIPS PRESENT IN SAMPLE; VERY DARK GRAY SED.			GRY FINE CHIPS VERY DARK	
0.5'-0.65'		Tietso	CLAYEY WOOD C		MED. SAND-SIZER RK.G.RAY E VEGETATIVE ZS PRESENT
Bottom CL a/Va/LO	0	1/10/20	_	त्रीय/nol.	TO
Number of containers:	The second second	/		Core V	/olumes
Type of container: bucket	linorhas	<u> </u>	other	Nominal core-barrel	EST Values
Liner Type: 19/16/20	liner bag Vibracorer:	jar Rox	5.00	diameter 4.0"	EST. Volume .50gal/ft
ACETATE	Push Corer	00	Slambar	3.5"	.33gal/ft
Live Organisms present YES.			Com	ıments	
Oil-Like Present No					
Odor Present NO Debris Present NO	1				
Photo Numbers B. Well 222		2			
9/2	COORDINATES RECORDED WILL ASIG ROATEDS				





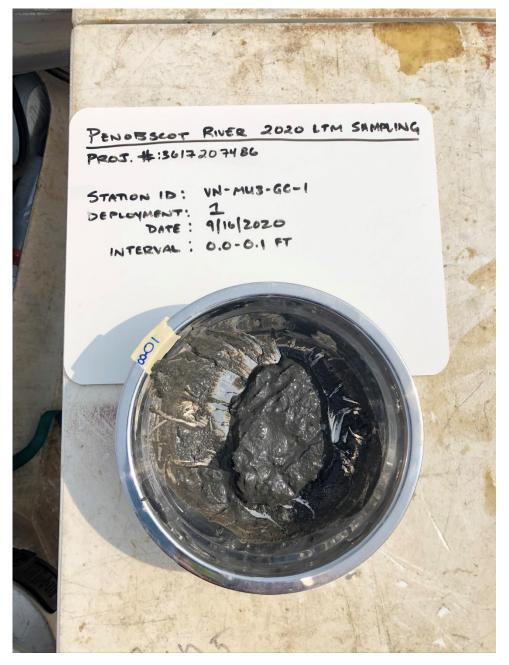


PHOTO 1:

CORE: VN-MU3-GC-1

DEPLOYMENT: 1

INTERVAL: 0.0-0.1 FT



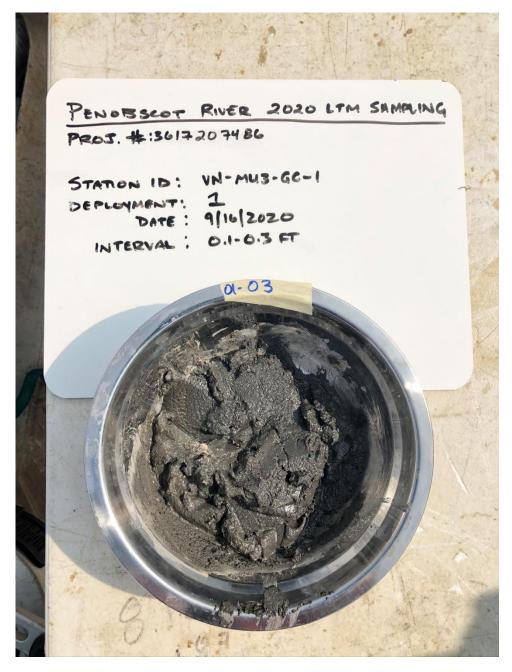


PHOTO 2:

CORE: VN-MU3-GC-1

DEPLOYMENT: 1

INTERVAL: 0.1-0.3 FT



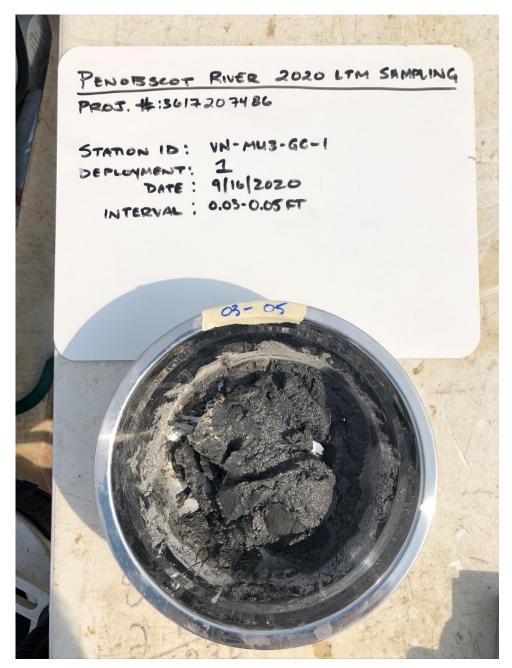


PHOTO 3:

CORE: VN-MU3-GC-1

DEPLOYMENT: 1

INTERVAL: 0.3-0.5 FT



APPENDIX B - 2.24

Station Summary – ES-02



STATION SUMMARY					
Station ID: ES-02	Core collection and sample processing date:	Written by:			
	16 Sept 2020	C. Lauback			
Analytes: Total Mercury, Methyl Mercury, Total Organic Carbon Checked by:					
Laboratory: Eurofins		B. Weyer			

A – ES-02 Collection Overview

On Wednesday, September 16, 2020, Wood scientists cored station ES-02 in the Verona Northeast reach between 10:05am and 10:29am aboard the *R/V Tesla*. The weather was clear with temperatures in the 50's (°F) and varying winds ranging from 10 to 15-knots from the Southwest. Sea conditions were slight to moderate, with a wave height of 1.0-2.0-ft, providing marginal conditions for the vessel to hold on location for sampling. A box corer was utilized for sediment collection. Sediment was sampled from the box corer by 1-ft hand push cores with 3-in diameter acetate liners. One (1) deployment of the box corer was attempted at ES-02 to obtain one (1) 1-ft hand push core, designated in the field as ES-02. Station ES-02 was a biota collocate location. Location was established proximal to lobster pot deployment location with a confirmed harvest. The core was preserved on wet ice while awaiting to be processed.

B – Field Data Records

See the field forms (Attachment B) for additional information on deployment(s) and core(s) at station ES-02.

C - Deployment Accuracy - GPS Locations

As shown in the Deployment Locations Figure (Attachment C), the location of station ES-02 represents the single deployment of the box corer. The deployment represented a non-vegetated intertidal zone accessible at high tide within the Verona Northeast reach.

D – Processing Overview

Same-day processing was performed on ES-02 by Wood scientists at the Wood Field Station, Winterport, Maine. Core ES-02 was sampled at pre-designated intervals (0.0-0.1-ft, 0.1-0.3-ft, and 0.3-0.5-ft) by extruding a single interval at a time. The extruder and tools used for extrusion were decontaminated between intervals. Each interval was placed into a stainless-steel bowl, homogenized and aliquoted for analyses of total mercury, methyl mercury (0.0-0.1-ft and 0.1-0.3-ft intervals only) and total organic carbon (TOC).

The appearance and textural properties of each push core was described using the Unified Soil Classification (USCS). A strong sulfur-like odor was present throughout the core.

Sediment Core Logs are attached (See Attachment B).

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ES-02

Push core ES-02 had an acceptable recovery over 0.5-ft.

- 0.0 0.1 ft: dark olive gray very fine sandy SILT: ALLUVIUM
- 0.1 0.3 ft: dark olive gray very fine sandy SILT: ALLUVIUM
- 0.3 0.5 ft: very dark olive gray fine sandy SILT with medium to coarse sand-sized brown wood chip: ALLUVIUM
- 0.5 0.6 ft: dark olive gray silty very fine SAND with brown coarse sand-sized wood chip: ALLUVIUM

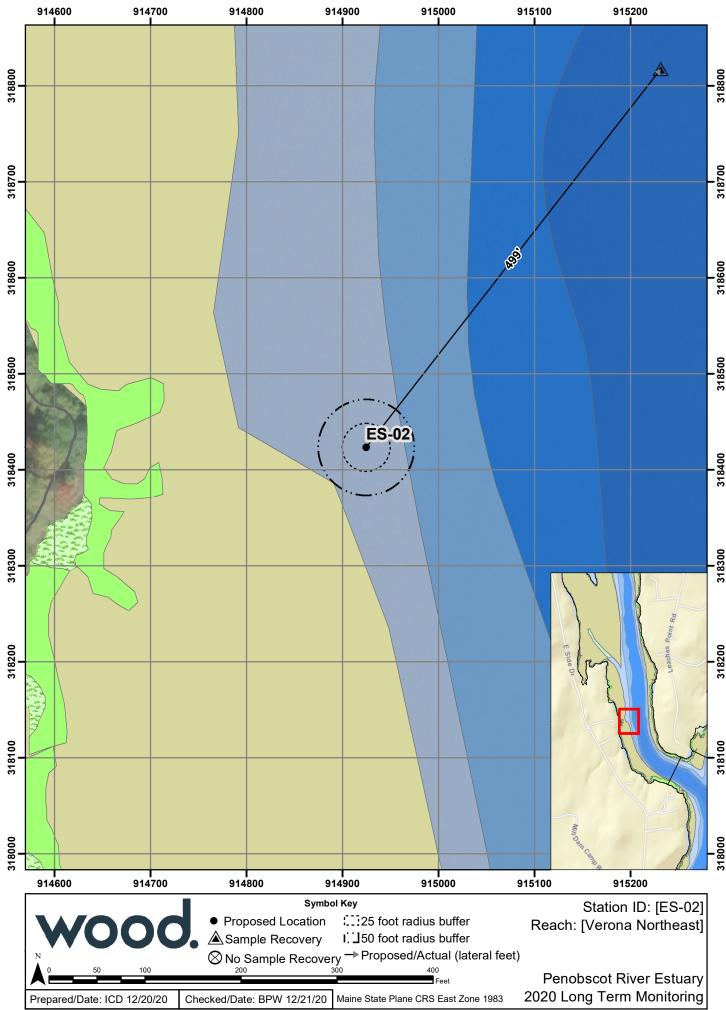
E - Photolog

The photo log, included as Attachment D, presents photos of each sample, post homogenization and pre-aliquoting for analytical samples.

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wood.	nobscot River Mercury			g Evaluation
Owner LISTO		DIMENT CORE LOC		INIDACK
Owner: USDC	25	3617207486		LAUBACK
Sub: ASI	wo: ————————————————————————————————————	Time : 1018	Crew: B.	
III Eller		Section of the sectio	C. TELEVISION OF THE PROPERTY OF THE PERSON	VTESLA
Coordinates: Lat 44.541013	5 Long - 68	.764729	Plan Volur	me: 0.140gal
Sampling Station: E5-02	State when the confidence of t	Deploy No. ↓	Sub-ti	idal Location? NO
Weather: SUNY 505. Winds: 10	-15 Waters: 36) / 1-2 Traffic: N	IONE	Water Temp:
Measured Water Depth [NAVD88]	:30.01	Core Penetratio	n Length (ft.):	0.75
Correction to NAVD88 (+/- ft. from NAVD88)		Recovered Cor	e Lenath (ft):	06
Mudline (Corrected Depth) @ NAVD88		Sample Length		
Study Depth (-NAVD88)		Acceptable Core (80		17
Required Penetration Length	/m == /	Core Volume R		
All	Length Measuremen	ts are in Decimal F	eet	
Sample Interval (ft.)	Sample Id#	E SERVICIO DE LA COMPANSIONA DEL COMPANSIONA DE LA COMPANSIONA DE LA COMPANSIONA DE LA COMPANSIONA DE LA COMPANSIONA DE LA COMPANSIONA DE LA COMPANSIONA DE LA COMPANSIONA DE LA COMPANSIONA DE LA COMPANSIONA DE LA COMPANSIONA DE LA COMPANSIONA DE LA COMPANSIONA DEL COMPANSIONA DE LA COMPANSIONA DE LA COMPANSIONA DE LA COMPANSIONA DE LA COMPANSIONA DE LA COMPANSIONA DE LA COMPANSIONA DE LA	LE VICTORIA UNIONI PIE	法国国籍 医脐丛
Top 00-0.1	00-01	VERY FINESAN OLIVEGRAY	DY SILT;	DARK
0.1-0.8	01-03	VERY FINESA OLIVE GRAY	NOYSILT	; DARK
0.3`-0.5`	03-05	FINE SANDYS SAND-SIZED WY VERY DARK OLI	DOD CHIP	REOMI)
0.5 -0.6		SILTY VERYPIN SIZED WOOD CH OLIVE GIRAY SI	ESAND W IP (BROWA EDIMBNIT	LOARSE-SAND- 1); DARK MATRIX
Bottom	or/d/in/so	-	Or af	10/20
Number of containers:	1 6		Core V	olumes
Type of container: bucket	liner bag jar	Nominal diameter	core-barrel	EST. Volume
Liner Type: 1 CL9/16/20	Vibracorer: (3)	OX) 4.	0"	.50gal/ft
ALETATE 11-1	Push Corer	Slambar 3.	5"	.33gal/ft
Oil-Like Present NO Odor Present NO Debris Present NO Photo Numbers	`	FIRMED CATCH	t w/ str	(GOOW) A NOWA
B. Selet	-ONLY ONE CORE COLLECTED @ LOCATION -IS A BIOTA CO-LOCATE SAMPLE -SULFUR-LIKE SMELL-STRONG.			

QC CHECK BY B. WEYER 9/22/2020





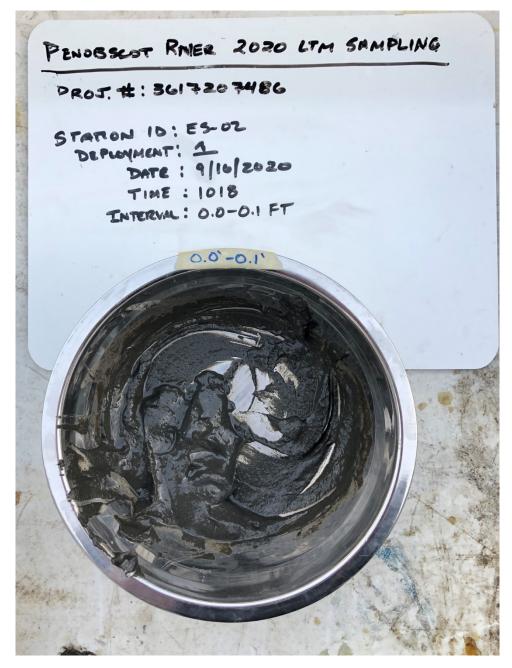


PHOTO 1:

CORE: ES-02

DEPLOYMENT: 1

INTERVAL: 0.0-0.1 FT



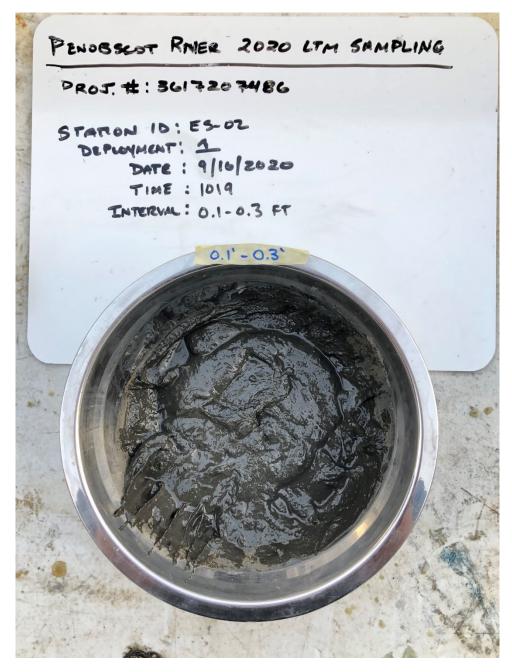


PHOTO 2:

CORE: ES-02

DEPLOYMENT: 1

INTERVAL: 0.1-0.3 FT



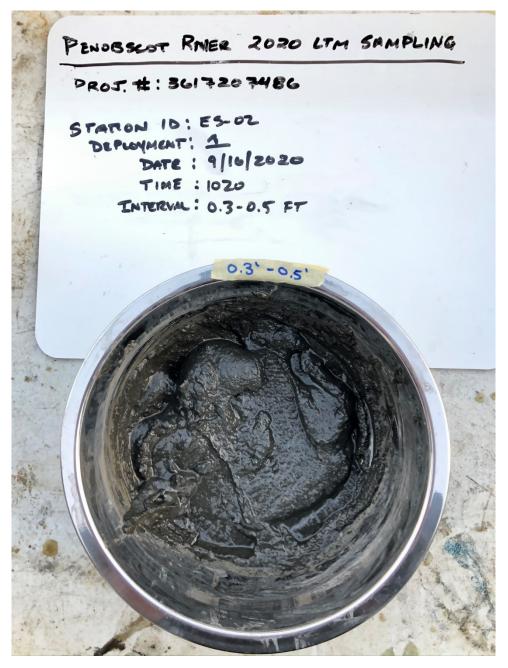


PHOTO 3:

CORE: ES-02

DEPLOYMENT: 1

INTERVAL: 0.3-0.5 FT



APPENDIX B - 2.25

Station Summary – OR-T1-C5



STATION SUMMARY						
Station ID: OR-T1-C5	Core collection and sample processing date:	Written by:				
	16 Sept 2020	C. Lauback				
Analytes: Total Mercury, Methyl Mercury, To	Checked by:					
Laboratory: Eurofins	B. Weyer					

A - OR-T1-C5 Collection Overview

On Wednesday, September 16, 2020, Wood scientists cored station OR-T1-C5 in the Orland River reach between 10:56am and 11:12am aboard the *R/V Tesla*. The weather was clear with temperatures in the 50's (°F) and varying winds ranging from 10 to 15-mph from the Southwest. Sea conditions were slight, with a wave height of 2.0-4.0-ft, providing marginal conditions for the vessel to hold on location for sampling. A box corer was utilized for sediment collection. Sediment was sampled from the box corer by 1-ft hand push cores with 3-in diameter acetate liners. One (1) deployment of the box corer was attempted at OR-T1-C5 to obtain one (1) 1-ft hand push cores, designated in the field as OR-T1-C5. The core was preserved on wet ice while awaiting to be processed.

B - Field Data Records

See the field forms (Attachment B) for additional information on deployment(s) and core(s) at station OR-T1-C5.

C - Deployment Accuracy - GPS Locations

As shown in the Deployment Locations Figure (Attachment C), the location of station OR-T1-C5 represents the single deployment of the box corer. The deployment represented a non-vegetated intertidal zone accessible at high tide within the Orland River reach.

D - Processing Overview

Same-day processing was performed on OR-T1-C5 on September 16, 2020 by Wood scientists at the Wood Field Station, Winterport, Maine. Core OR-T1-C5 was sampled at pre-designated intervals (0.0-0.1-ft, 0.1-0.3-ft, and 0.3-0.5-ft) by extruding a single interval at a time. The extruder and tools used for extrusion were decontaminated between intervals. Each interval was placed into a stainless-steel bowl, homogenized and aliquoted for analyses of total mercury, methyl mercury (0.0-0.1-ft and 0.1-0.3-ft intervals only) and total organic carbon (TOC).

The appearance and textural properties of each push core was described using the Unified Soil Classification (USCS). A strong sulfur-like odor was present throughout the core.

Sediment Core Logs are attached (See Attachment B).

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OR-T1-C5

Push core OR-T1-C5 had an acceptable recovery over 0.5-ft.

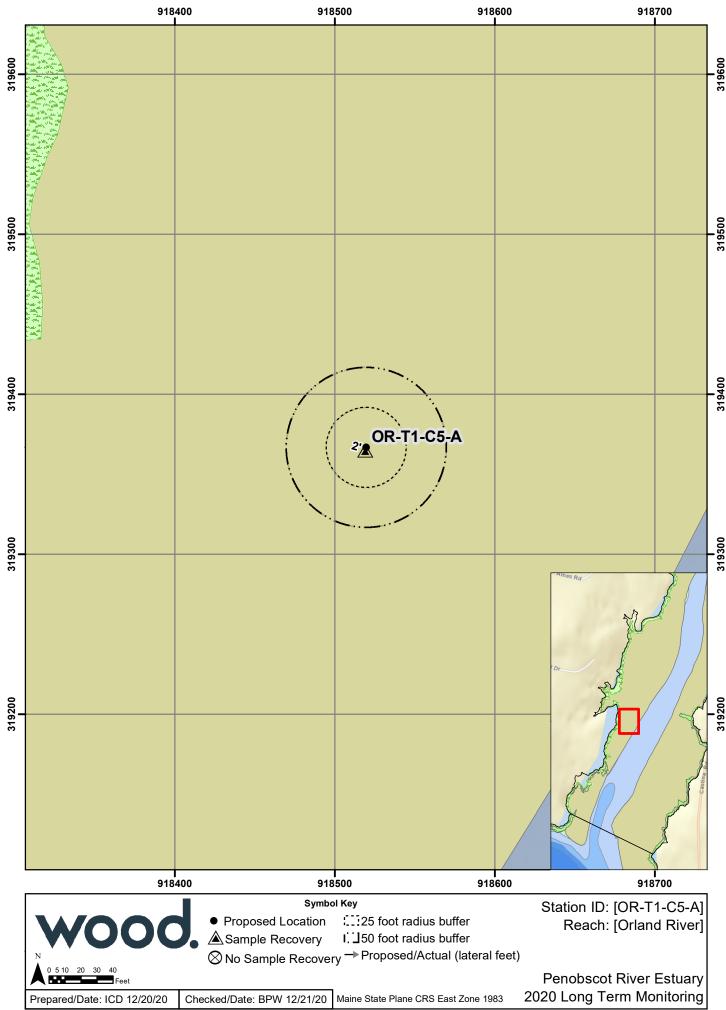
- 0.0 0.1 ft: dark olive gray SILT with some clay-sized fines and fine to medium sand-sized wood chip: ALLUVIUM
- \bullet 0.1 0.3 ft: dark olive gray clayey SILT with fine and medium sand-sized wood chip: ALLUVIUM
- 0.3 0.5 ft: very dark black-gray clayey SILT, broken bivalves (not articulated) minimal fine to medium sand-sized wood pulp: ALLUVIUM

E – Photolog

The photo log, included as Attachment D, presents photos of each sample, post homogenization and pre-aliquoting for analytical samples.

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wood.	obscot River Mercury	Study - Pha	ase III Engin	eering Evaluation			
******	SEI	DIMENT CO	RE LOG				
Owner: USDC	Project No.: 3	3617207486 Logger: C. LALDAUK					
Sub: ASI	WO:		W. B.WEYER.				
	Date: 9/16/20	Time:	1056 Ves	ssel: PV TESLA			
Coordinates: Lat 44,5425		.752126	Pla	n Volume: 0.140gal			
Sampling Station: OR-TI-CE		Deploy No.		Sub-tidal Location? NO			
Weather: SUNNY, 50s Winds: 10 -	15 Waters: 9.5	1 2-4	Traffic: NON	Water Temp: -			
Measured Water Depth [NAVD88]:	9.5'	Core P	enetration Leng	oth (ft.): 0.7			
Correction to NAVD88 (+/- ft. from NAVD88):	7			gth (ft.): 0.6Z			
Mudline (Corrected Depth) @ NAVD88:				ed (ft.): 0,5 \			
Study Depth (-NAVD88):			Core (80% rec				
Required Penetration Length:	2 -1			d (gal.): 0,140aa1			
All	Length Measurement			30 / 32 / 1 9 9			
Sample Interval (ft.)	Sample Id#		Descri	iption			
Top 0.0' -0.1'	00-01		SOME CLAY	-SIZED FINESCMINIMA ND-SIZED WOODCH			
0.1 =0.3 9/10		DARKO	PLIVEGRAY	W. 19106 0 1000 Carr.			
0,3-0.5	6.4 d/ka/20		C\$0	1/10/20			
	a.	the control of the co					
0.1'-0.3'	01-03	CLAYEY	SILT WIF	-INEQMED-SAND-			
	01 03	DARKO	DOD CHIP LIVEGRA	/			
		CLAYEY	UT				
0.3-0.5	03-05	GRAY	CL9/16/20	Y DARK BLACK			
		MINIMAL	- FINETO N	(NOT 4 RICCULATE)			
	010	WOOD Pur	.P				
C. La lialo	C3-9/10/10		Colo	7/16/20			
Bottom							
Number of containers:	6			Core Volumes			
Type of container: bucket	liner bag jar		Nominal core-b diameter	EST. Volume			
Liner Type: CL9/16 ACETATE	Vibracorer: (BO	(X)	4.0"	.50gal/ft			
ALK , KEIKIB	Push Corer	Stambar	3.5"	.33gal/ft			
Live Organisms present Y85.		Com	ments				
Oil-Like Present NO	-ONLY ONE NOT ENDI	CORFU	DIFITED	HERF.			
Debris Present NO	-ONLY ONE	WAH REC	-OVERY IN	J "BACKUP"			
- NY	NOT END	0011 200		- IOI TOTAL			
THE PLANT OF THE PROPERTY OF T	- COAPDINA	TES REC	ORDED WI	ASI BOAT			
B. WEYER - COORDINATES RECORDED WI ASI BOAT							





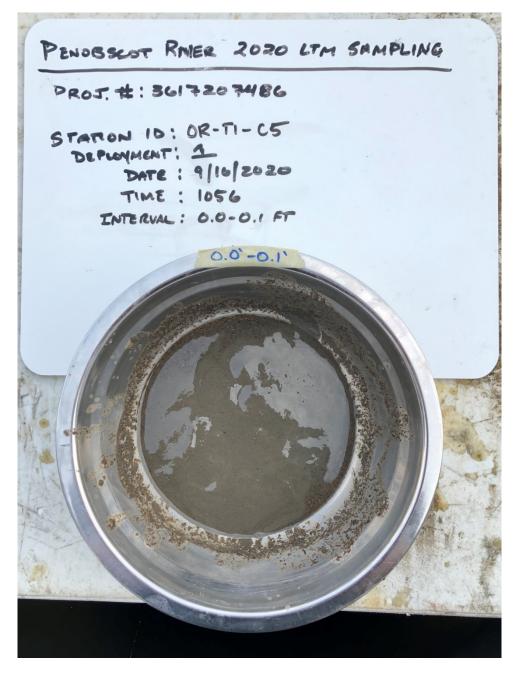


PHOTO 1:

CORE: OR-T1-C5

DEPLOYMENT: 1

INTERVAL: 0.0-0.1 FT



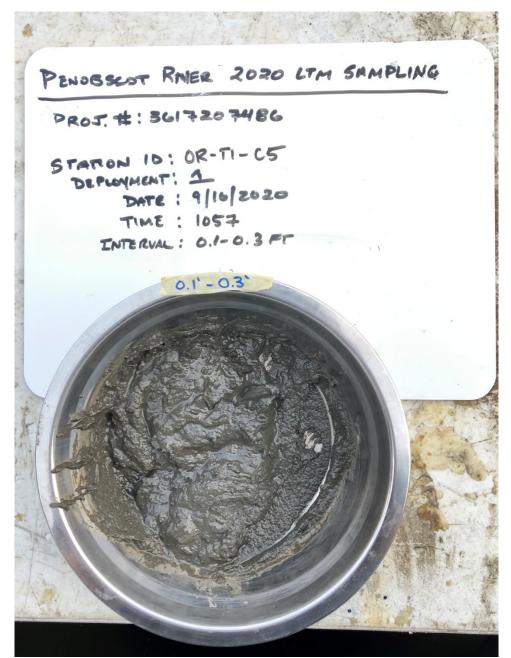


PHOTO 2:

CORE: OR-T1-C5

DEPLOYMENT: 1

INTERVAL: 0.1-0.3 FT



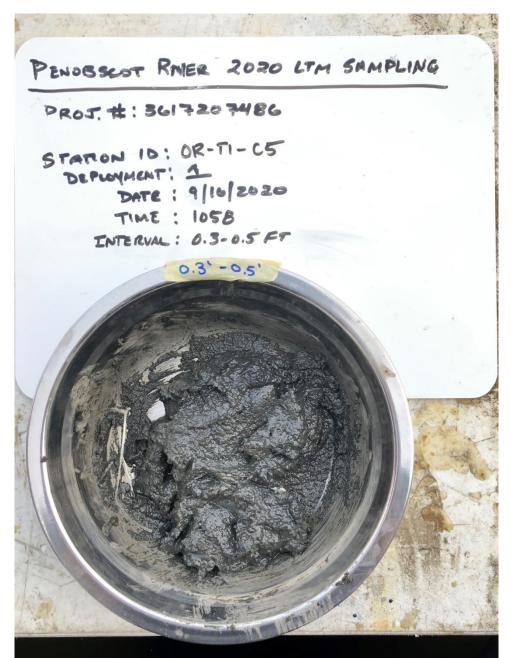


PHOTO 3:

CORE: OR-T1-C5

DEPLOYMENT: 1

INTERVAL: 0.3-0.5 FT



APPENDIX B - 2.26

Station Summary – OR-T1-C3



STATION SUMMARY						
Station ID: OR-T1-C3	Core collection and sample processing date:	Written by:				
	16 Sept 2020	C. Lauback				
Analytes: Total Mercury, Methyl Mercury, To	Checked by:					
Laboratory: Eurofins		B. Weyer				

A - OR-T1-C3 Collection Overview

On Wednesday, September 16, 2020, Wood scientists cored station OR-T1-C3 in the Orland River reach between 10:29am and 10:56am aboard the *R/V Tesla*. The weather was clear with temperatures in the 50's (°F) and varying winds ranging from 10 to 15-knots from the Southwest. Sea conditions were slight, with a wave height of 2.0-4.0-ft, providing marginal to poor conditions for the vessel to hold on location for sampling. A box corer was utilized for sediment collection. Sediment was sampled from the box corer by 1-ft hand push cores with 3-in diameter acetate liners. Two (2) deployments of the box corer were attempted at OR-T1-C3 to obtain two (2) 1-ft hand push cores, designated in the field as OR-T1-C3-A and OR-T1-C3-B. The first deployment contained approximately 5-in of sediment within the box corer, which was insufficient for acceptable core volumes. The second deployment was successful; both push cores were collected from the second deployment. Two cores were collected at this station in case sample integrity of a single core were to become compromised between collection and processing. The cores were preserved on wet ice while awaiting to be processed.

B – Field Data Records

See the field forms (Attachment B) for additional information on deployment(s) and core(s) at station OR-T1-C3.

C – Deployment Accuracy - GPS Locations

As shown in the Deployment Locations Figure (Attachment C), the location of both deployments for station OR-T1-C3 are represented. The deployments represented a non-vegetated intertidal zone accessible at high tide within the Orland River reach.

D – Processing Overview

Same-day processing was performed on OR-T1-C3-A and OR-T1-C3-B by Wood scientists at the Wood Field Station, Winterport, Maine. Cores OR-T1-C3-A and OR-T1-C3-B, designated during processing as OR-T1-C3 and OR-T1-C3_DUP, were sampled at pre-designated intervals (0.0-0.1-ft, 0.1-0.3-ft, and 0.3-0.5-ft) by extruding a single interval at a time. The extruder and tools used for extrusion were decontaminated between intervals. Each interval was placed into a stainless-steel bowl, homogenized and aliquoted for analyses of total mercury, methyl mercury (0.0-0.1-ft and 0.1-0.3-ft intervals only) and total organic carbon (TOC). Intervals 0.1 - 0.3 ft and 0.3 - 0.5 ft of OR-T1-C3 were selected to be used for a MS/MSD laboratory control sample.

The appearance and textural properties of each push core was described using the Unified Soil Classification (USCS). A strong sulfur-like odor was present throughout the core, though stronger between 0.1 and 0.5-ft.

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Sediment Core Logs are attached (See Attachment B).

OR-T1-C3

Push core OR-T1-C3 had an acceptable recovery over 0.5-ft.

- 0.0 0.1 ft: dark olive gray clayey SILT: ALLUVIUM
- 0.1 0.3 ft: dark gray black clayey SILT, some organic-like material that looked like root mass fibers, broken bivalve shells approximately 0.05-ft in diameter, strong sulfur-like odor: ALLUVIUM
- 0.3 0.5 ft: very dark gray-black clayey SILT, some wood chips, bivalve shell hash, some organic-like detritus, strong sulfur-like odor: ALLUVIUM

OR-T1-C3 DUP

Push core OR-T1-C3_DUP had an acceptable recovery over 0.5-ft.

- 0.0 0.1 ft: dark olive gray clayey SILT, no wood chips present: ALLUVIUM
- 0.1 0.3 ft: very dark gray clayey SILT, minimal bi-valve shell hash material: ALLUVIUM
- 0.3 0.5 ft: very dark gray clayey SILT, minimal very fine sand, minimal medium sand-sized wood chip: ALLUVIUM

E – Photolog

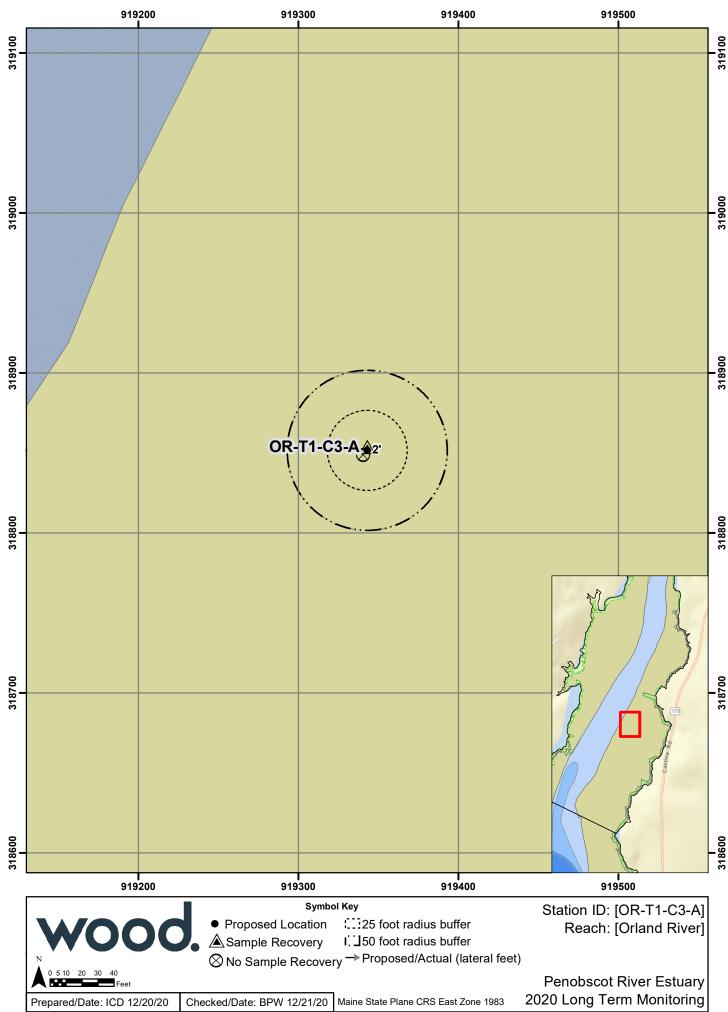
The photo log, included as Attachment D, presents photos of each sample, post homogenization and pre-aliquoting for analytical samples.

wood.	Penobscot River Mercury Study - Phase III Engineering Evaluation SEDIMENT CORE LOG							
Owner: USDC		3617207486 Logger: C-LAUBACK						
Sub: 151	wo:	301.207		Crew: B.	A 185 &			
1/2,	Date: 9/16/20	Time :			V TESLA			
Coordinates: Lat 44.541135		.748969	and a contract of the contract	INCOME.	me: 0.140gal			
Sampling Station: 02-T1-		, Deploy No.	1	Sub-t	idal Location? NO			
Weather: 304 NY, 505 Winds: 10-		5 2-4	Traffic: NO	NĘ	Water Temp:			
Measured Water Depth [NAVD88]:		Core P	enetration L	_enath (ft.)				
Correction to NAVD88 (+/- ft. from NAVD88):			ered Core L		C1/16 5"			
Mudline (Corrected Depth) @ NAVD88:			Length Re					
Study Depth (-NAVD88):			Core (80%					
Required Penetration Length:	0.5'	1	olume Reta					
All	Length Measuremen	ts are in Dec	cimal Fee	t	10 10 10 10 10 10 10 10 10 10 10 10 10 1			
Sample Interval (ft.)	Sample Id #		STATE OF THE PARTY	escription				
Top				oon paon				
1								
					-==-===================================			
			1 100					
		0 10	11/01/5)				
		41	1					
		-						
	2	_						
					<u></u>			
↓ ↓								
Bottom								
Number of containers:	Ø Ø	ch			olumes			
Type of container: bucket	liner bag jar	other	Nominal co	re-barrel	EST. Volume			
Liner Type:	Vibracorer: (BC	Married Co.	diameter 4.0"		.50gal/ft			
ACETATE	Push Corer	Slambar	3.5"		.33gal/ft			
Live Organisms present NO		Com	ments					
Oil-Like Present NO								
Odor Present NO Debris Present NO	INSUFFICIENT RECOVERY (@5")				5")			
EVEL			*					
B.W 12020								
B. WEYER 2020	COORDINATES	RECORD	ED W A	451'5 (SPS (AROARD VESSEL)			

WOOD. Penobscot River Mercury Study - Phase III Engineering Evaluation								
			DIMENT CO					
Owner: USDC			36172074	80		C.LAUBACK		
Sub: AS1	Date: 916	WO:	Time	into		WEYER V TESLA		
WI CIU)		Long -68	Time					
Coordinates: Lat 44.54114	THE REPORT OF THE PROPERTY OF					me: 0.140gal		
Sampling Station: OR-TI-(STATE OF STREET		Deploy No			tidal Location? No		
Weather: SUNNY 505 Winds: 0	AND THE STREET, STATE OF THE ST	Waters: 7.8	12-4	Traffic: NO	NE	Water Temp: —		
Measured Water Depth [NAVD88			Core	Penetration I	Length (ft.)): O.7		
Correction to NAVD88 (+/- ft. fro NAVD88			Recov	ered Core l	Length (ft.)): O. 6		
Mudline (Corrected Depth) @ NAVD8	8:			le Length Re				
Study Depth (-NAVD88	3):		Acceptabl	e Core (80%	recovery	YES		
Required Penetration Lengt	h: 0.51		Core '	Volume Reta	ained (gal.)): 0,140gal		
A	II Length M	easuremen	ts are in De	cimal Fee	et			
Sample Interval (ft.)	Sam	ple ld#	1977		escription	100000000000000000000000000000000000000		
Top 0.0`-0.1`	00-0)	CLAYEY .	AL WOOD	RKOLIV CHIP.	E GRAY		
0.1' -0.3'	01-0)3	CLAYEY SOME OF LOOKED BIVALVE	SILT : C CLIKE ROC SHELLS (C	ARKG KE MATE T MASS 0.05'IN D	PAY BLACK FRIAL THAT HAIRS; BROKEN		
0.3'-0.5'	03.	-65	SOME W HASH,	SOME OF	ICY DAK S,BI-UA SANIC-LI	K GRAY-BLACK, HLVE SHELL IKE DETRITIS.		
						- Calllo,		
Bottom								
Number of containers:						/olumes		
Type of container: bucket	liner bag	iar	other	Nominal co	ore-barrel	EST. Volume		
Liner Type: CL9/16/20	Vibracorer: Push Corer	(30		4.0"		.50gal/ft .33gal/ft		
Live Organisms present NO Oil-Like Present NO Odor Present VES Debris Present NO	-501	FUR-LIKE	SMELL Cor	nments TRONGE	R BETH	EEN 0.1'-0,5')		
Photo Numbers B. WEIEL B. Alaluro	COOR	DINATES F	ECORDGE	owl ASI	GPS(ABOARDUESSEL)		

SEDIMENT CORE LOG Owner: USDC Project No.: 3 617L0 74 86 Logger: C. LARBACK Sub: AS1 Date: 9 16 20 Time: 1050 Vessel: FV TESLA Coordinates: Lat 44.541148 Long -68.748959 Plan Volume: O.14901 Sampling Station: O P - T1 - C3 - DVR Weather: ONNY, 50s Winds: 10-15 Waters: 7-8 2-4 Traffic: NON E Water Temp: Measured Water Depth [NAVD88]: 7-8 Correction to NAVD88 (+/- ft. from NAVD88): Recovered Core Length (ft.): O.6 Mudline (Corrected Depth) @ NAVD88: Sample Length Retained (ft.): O.5	
Sub: ASI Date: 9 16 20 Time: 1050 Vessel: FV TESLA Coordinates: Lat 44.541148 Long -68.74899 Plan Volume: 0.14gal Sampling Station: 0 P - T1 - C3 - DVR Deploy No. 2 Sub-tidal Location? Neather: None Water Temp: Measured Water Depth [NAVD88]: 7.8 Correction to NAVD88 (+/- ft. from NAVD88): Recovered Core Length (ft.): 0.6 Mudline (Corrected Depth) @ NAVD88: Sample Length Retained (ft.): 0.5	ON MERCENIA
Date: 9 16 20 Time: 1050 Vessel: FVTESLA Coordinates: Lat 44.541148 Long - 68.748959 Plan Volume: O 14 gal Sampling Station: O R - T 1 - C3 - DUR Weather: SUNNY, 5DS Winds: 10 - 15 Waters: 7-8 2 - 4 Traffic: NONE Water Temp: Measured Water Depth [NAVD88]: 7-8 Correction to NAVD88]: 7-8 Correction to NAVD88 (+/- ft. from NAVD88): Mudline (Corrected Depth) @ NAVD88: Sample Length Retained (ft.): 0.5	WANGESTER
Coordinates: Lat 44.541148 Long - 68.748959 Plan Volume: O 14gal Sampling Station: O R - T1 - C3 - DUR Deploy No. Z Sub-tidal Location? New Mater Sonny, 50s Winds: 10 - 15 Waters: 7-8 2-4 Traffic: None Water Temp: Correction to NAVD88]: 7-8 Correction to NAVD88 (+/- ft. from NAVD88): Recovered Core Length (ft.): 0.6 Mudline (Corrected Depth) @ NAVD88: Sample Length Retained (ft.): 0.5	ZYAMED STATE
Sampling Station: OR-TI-C3_DUR Deploy No. Z Sub-tidal Location? Weather: DNNY, 5DS Winds: IO-IS Waters: 7-8 2-4 Traffic: NONE Water Temp: Measured Water Depth [NAVD88]: 7-8 Correction to NAVD88 (+/- ft. from NAVD88): Recovered Core Length (ft.): 0-6 Mudline (Corrected Depth) @ NAVD88: Sample Length Retained (ft.): 0-5	
Weather: 50NNY, 50S Winds: 10-15 Waters: 7-8 2-4 Traffic: NONE Water Temp: Measured Water Depth [NAVD88]: 7-8 Correction to NAVD88 (+/- ft. from NAVD88): Mudline (Corrected Depth) @ NAVD88: Waters: 7-8 2-4 Traffic: NONE Water Temp: Core Penetration Length (ft.): 0.7 Recovered Core Length (ft.): 0.6 Sample Length Retained (ft.): 0.5	
Measured Water Depth [NAVD88]: 7.8 Core Penetration Length (ft.): 0.7 Correction to NAVD88 (+/- ft. from NAVD88): Recovered Core Length (ft.): 0.6 Mudline (Corrected Depth) @ NAVD88: Sample Length Retained (ft.): 0.5	10
Correction to NAVD88 (+/- ft. from NAVD88): Recovered Core Length (ft.): 0.6 Mudline (Corrected Depth) @ NAVD88: Sample Length Retained (ft.): 6.5	_
NAVD88): Recovered Core Length (ft.): 0.6 Mudline (Corrected Depth) @ NAVD88: Sample Length Retained (ft.): 0.5	PLICHTEEN SHEET
Mudline (Corrected Depth) @ NAVD88: Sample Length Retained (ft.): 6.5	
Study Depth (-NAVD88): Acceptable Core (80% recovery):	
Required Penetration Length: 0.51 Core Volume Retained (gal.): 0.140	
All Length Measurements are in Decimal Feet	
Sample Interval (ft.) Sample Id # , Description	
Top 0.0-0.1' 00-01_DUP CLAYEY SILT; BARK OLIVEGRAY NO WOOD CHIPS PRESENT	
0.1'-0.3' 01-03_DUP CLAYEY SILT; VERY DARK GRAY MINIMAL BI-VALVE SHELL HASH MATERIAL.	
0.3'-0.5' 03-05_ DUP CLRYEY SILT; VERY DARK G RAY MINIMAL VERY FINE SAND; MINIMAL WOOD CHIP (MED-SAND-SIZED)	_
100 /02 /02	
104	
Bottom	
Number of containers: Core Volumes	-
Nominal core-barrel	
Liner Type: Other Ducket liner bag Jar other diameter EST. Volume Liner Type: 4.0" .50gal/ft	
ACETATE Push Corer Slambar 3.5" .33gal/ft	
Live Organisms present NO Oil-Like Present NO Odor Present YES Debris Present NO Comments SULFUR - LIKE SMELL PRESENT IN SAMPLES.	
	COMPANY
Photo Numbers B. WELLO COOPDINATES RECORDED WASI GPS (ABOARD)	

QC CHECK BY B. WEYER 9/22/2020





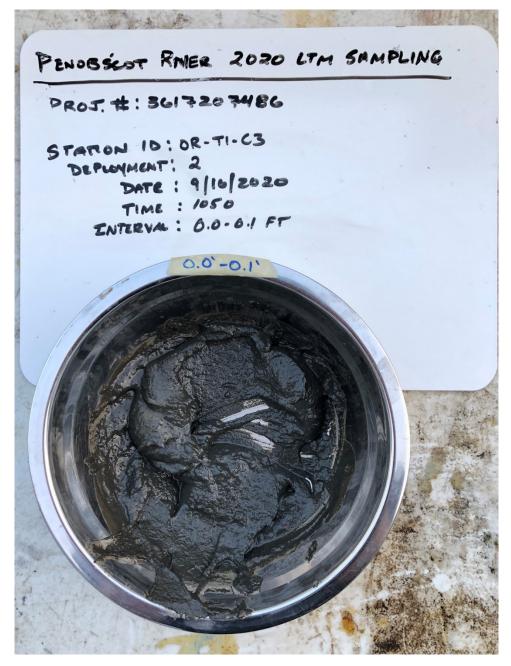


PHOTO 1:

CORE: OR-T1-C3

DEPLOYMENT: 1

INTERVAL: 0.0-0.1 FT



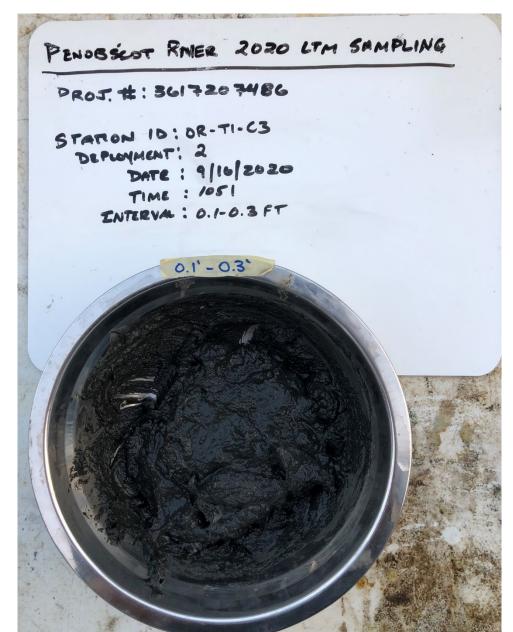


PHOTO 2:

CORE: OR-T1-C3

DEPLOYMENT: 1

INTERVAL: 0.1-0.3 FT





PHOTO 3:

CORE: OR-T1-C3

DEPLOYMENT: 2

INTERVAL: 0.3-0.5 FT



APPENDIX B - 2.27

Station Summary – OR-T1-C1



STATION SUMMARY						
Station ID: OR-T1-C1	Core collection and sample processing date:	Written by:				
	17 Sept 2020	C. Lauback				
Analytes: Total Mercury, Methyl Mercury, To	Checked by:					
Laboratory: Eurofins	B. Weyer					

A – OR-T1-C1 Collection Overview

On Thursday, September 17, 2020, Wood scientists cored station OR-T1-C1 in the Orland River reach between 1:00pm and 3:00pm. The weather was clear with a temperature of 65°F and breezy. Sea conditions were negligible to sampling effort, as station was accessed by foot. Sediment was sampled by 1-ft hand push cores with 3-in diameter acetate liners. Two (2) 1-ft push cores, designated in the field as OR-T1-C1 and OR-T1-C1_DUP, were collected at the station location and were preserved on wet ice, while awaiting to be processed.

B - Field Data Records

See the field forms (Attachment B) for additional information on deployment(s) and core(s) at station OR-T1-C1.

C – Deployment Accuracy - GPS Locations

As shown in the Deployment Locations Figure (Attachment C), the collection location of station OR-T1-C1 and its duplicate are represented. The deployments represented a vegetated marsh zone accessible at low tide within the Orland River reach.

D – Processing Overview

Same-day processing was performed on OR-T1-C1 and OR-T1-C1_DUP by Wood scientists at the Wood Field Station, Winterport, Maine. Cores OR-T1-C1 and OR-T1-C1_DUP were sampled at pre-designated intervals (0.0-0.1-ft, 0.1-0.3-ft, and 0.3-0.5-ft) by extruding a single interval at a time. The extruder and tools used for extrusion were decontaminated between intervals. Each interval was placed into a stainless-steel bowl, homogenized and aliquoted for analyses of total mercury, methyl mercury (0.0-0.1-ft and 0.1-0.3-ft intervals only) and total organic carbon (TOC). Station OR-T1-C1 was used for laboratory duplicate analyses.

The appearance and textural properties of all recovered sediment was described using the Unified Soil Classification (USCS).

Sediment Core Logs are attached (See Attachment B).

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OR-T1-C1

Push core OR-T1-C1 had an acceptable recovery over 0.5-ft.

- 0.0 0.1 ft: dark brown CLAY, wet, trace silt and fine sand, organics on top
- 0.1 0.3 ft: dark brown CLAY wet, trace organics, trace silt
- 0.3 0.5 ft: dark brown CLAY, trace silt, wet, trace organics, organic-like odor

OR-T1-C1 DUP

Push core OR-T1-C1 had an acceptable recovery over 0.5-ft.

- 0.0 0.1 ft: dark brown CLAY, wet trace organics on top, trace fine sand and silt
- 0.1 0.3 ft: dark brown CLAY wet, trace organics, trace silt, trace shells
- 0.3 0.5 ft: dark brown CLAY, trace silt, wet, trace organics, organic-like odor, trace shells

E – Photolog

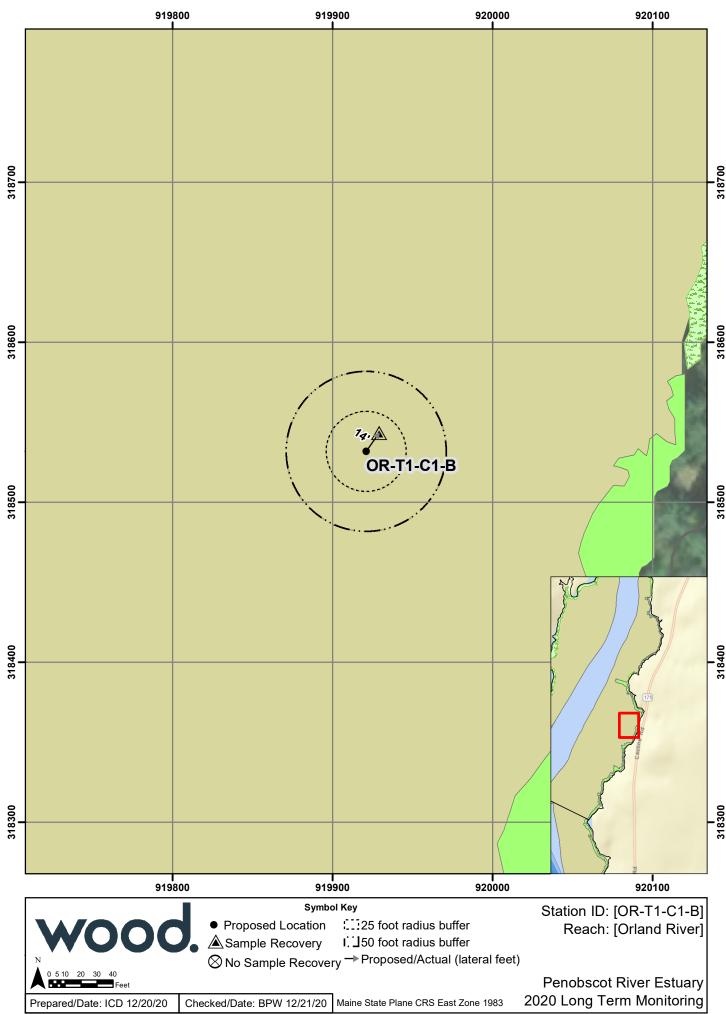
The photo log, included as Attachment D, presents photos of each sample, post homogenization and pre-aliquoting for analytical samples.

Project No.: 3617207486 Page 2 March 2021

I Pane	bscot River Mercu	rv Studv - Pha	se III Engineering	Evaluation		
wood.		EDIMENT COF				
Owner: USDC	. Project No	:361720748	6 Logger: H.	PLANTE		
Sub: 21 BW 4/2	20 WO -		1450 Crew: 5C1	4P. TO		
NONE	Date: 9 - 17 - 2-0	20 Time:	Vessel: N/D			
Coordinates: Lat 44.54 03	ا Long – ل	8.74670	7 Plan Volume	e: 0.140 ga		
Sampling Station: OR - T1 - 0	C1	Deploy No.	\ Sub-tid	al Location? NO		
Weather: (S°F, Sun Winds: Rec	CLZE Waters: N	J/A	Traffic: N/A	Water Temp: N/A		
Measured Water Depth [NAVD88]:	NA	Core P	enetration Length (ft.):	0.45'		
Correction to NAVD88 (+/- ft. from NAVD88):	_	Recove	ered Core Length (ft.):	0.79'		
Mudline (Corrected Depth) @ NAVD88:	Comments.	Sample	Length Retained (ft.):	0.5		
Study Depth (-NAVD88):	-	Acceptable	Core (80% recovery):	83%-YES		
Required Penetration Length:	6.5	Core V	olume Retained (gal.):	0.140		
All Length Measurements are in Decimal Feet						
Sample Interval (ft.)	Sample Id#		Description			
Top 0-0.	OR-TL-C1_191720_ SED-00-01	Dark br	ne sand, orga	uet, trace		
4	@1700	top	<i>U</i>			
0.1-0.3	OR-T1-(1_051- SED-01-03	120 Park K	roun da	y, wet,		
	@1715	1	ganics, m	*		
0.3-0.5	OR-TI-CI-09172 _SED_03-05	O DALK DO	our clau	trace		
	@1730	silt, we	oun clay	ics, organic		
	(50) Q-1	7-20				
	89 1					
Bottom						
	1 10		Core Vo	olumes		
Number of containers:	/ (0		Nominal core-barrel	ECT Volume		
Type of container: bucket	liner bag jar Vibracorer:	other	diameter 4.0"	EST. Volume .50gal/ft		
Liner Type: A Cltate	Push Corer	Slambar	3.5"	.33gal/ft		
Live Organisms present		Con	nments			
Oil-Like Present	Cylcodor			×		
Odor Present VES-ORG	EX11 0000					
Photo Numbers	Extrudes 0.5-0.79	ch not la	said			
I note rumbers	0.5-0.77	et lest	71			
Bus Blat and what						

QC CHECK BY B. WEYER 9/22/2000 8W 9/22/2000

wood.	bscot River Mercury	Study - Phas	e III Engineering	Evaluation	
WOOO .		IMENT CORE			
Owner: USDC	Project No.:	36172074	とり Logger: S.	couplin	
Sub: None	WO:		150 Crew: SL,	HP, TG	
- NO 9/22/20	Date: 9-17-202	○ Time : 🎖	Vessel: N	A Magin	
Coordinates: Lat 44.54030	1 Long - 68	.746707	Plan Volume	e: 849 0.1	40GAI
Sampling Station: OR-T \ - C	1 DUP	Deploy No.	Sub-tida	al Location? NO	
Weather: (05F,5vn Winds: B		7)	100	Water Temp: N/A	
Measured Water Depth [NAVD88]:	NA	Core Per	netration Length (ft.):	0.95'	
Correction to NAVD88 (+/- ft. from NAVD88):	_		ed Core Length (ft.):	0.791	
Mudline (Corrected Depth) @ NAVD88:	_		ength Retained (ft.):	0.51	
Study Depth (-NAVD88):		Acceptable (Core (80% recovery):	837 Yes	
Required Penetration Length:	0.5'	Core Vo	ume Retained (gal.):	0,140	
	Length Measurement	ts are in Deci	mal Feet		
Sample Interval (ft.)	Sample ld #		Description		
Тор	OR-TI-CI-091720 - SED-007-01-	Durk	brown day, w	et, trace	
0-0.1	(50 9-17-20 -17-20	DUP 6499	sund tsilt	FITAGE	
a-17-20	W1700 @1740	V			
1001-03	OR-TI-CI_091720_ SED_01-03_DUP	Dark Brow	on day, wet	, truce	
-,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	60 4-12-20	organics	Itrace Silt	, truce snell	K
	08-THU-091720-				
0.3-0.5	SED_08-05-00P	WICK POC	oun clay it	race silt,	
	011853050	wet, tra	le organics, o	raunic odar	
	9-17-20	WALR SV	elis		
				1	
	(5) 9-T	170			
	9,41				
·					
Bottom					
Number of containers:	/ Le		Core V Nominal core-barrel	olumes	
Type of container: bucket	liner bag jar		diameter	EST. Volume	
Liner Type: A Cafalle	Vibracorer:		4.0"	.50gal/ft	-
A CHUAC	Push Corer	Slambar	3.5"	.33gal/ft	1
Live Organisms present NO		Com	ments		
Oil-Like Present NO	Extruder				
Odor Present VES-COS Debris Present Coots Shall			1		
Photo Numbers	Extruder 0.5.0.79 fd	. not log	zed		1
10A			•		
B. WEYER 2020					





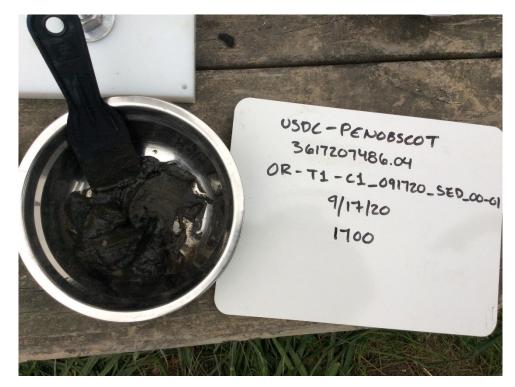


PHOTO 1:

CORE: OR-T1-C1

DEPLOYMENT: 1

INTERVAL: 0.0-0.1 FT

DATE: 9/17/2020

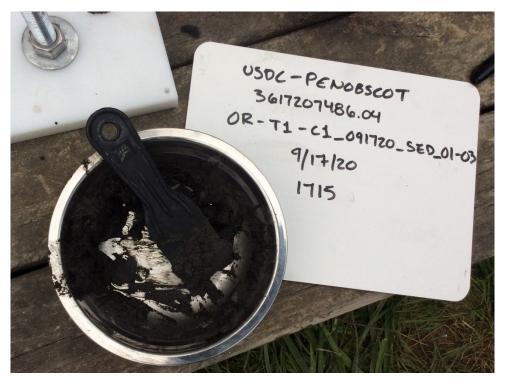


PHOTO 2:

CORE: OR-T1-C1

DEPLOYMENT: 1

INTERVAL: 0.1-0.3 FT





PHOTO 3:

CORE: OR-T1-C1

DEPLOYMENT: 1

INTERVAL: 0.3-0.5 FT

DATE: 9/17/2020



PHOTO 4:

CORE:

OR-T1-C1_DUP

DEPLOYMENT: 1

INTERVAL: 0.0-0.1 FT



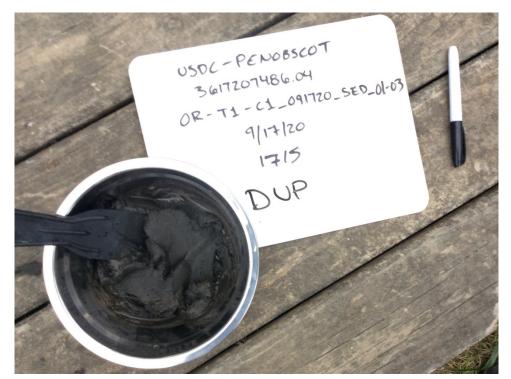


PHOTO 5:

CORE: OR-T1-C1_DUP

DEPLOYMENT: 1

INTERVAL: 0.1-0.3 FT

DATE: 9/17/2020



PHOTO 6:

CORE:

OR-T1-C1_DUP

DEPLOYMENT: 1

INTERVAL: 0.3-0.5 FT



APPENDIX B - 2.28

Station Summary – OL-01



STATION SUMMARY						
Station ID: OL-01 Core collection and sample processing date: 18 Sept 2020 and 19 Sept 2020 Written by: C. Lauback						
Analytes: Total Mercury, Methyl Mercury, To Laboratory: Eurofins	Checked by: B. Weyer					

A – OL-01 Collection Overview

On Friday, September 18, 2020, Wood scientists attempted sediment collection at station OL-01 in the Verona West reach between 1:48pm and 2:17pm aboard the *R/V Tesla*. The weather was overcast with temperatures in the 50's (°F) and varying winds ranging from 5 to 8-knots. Sea conditions were smooth, with a wave height of 0.5-1.0-ft, providing acceptable conditions for the vessel to hold on location for sampling. A box corer was utilized for attempted sediment collection. Three (3) deployments of the box corer were attempted at OL-01. All three (3) deployments resulted in insufficient recovery of sediment. Attempted deployments recovered coarse grained sediment, (0-2-in) sandy gravel with some rock cobbles.

On Saturday, September 19, 2020, Wood scientists attempted sediment collection at an adjusted location from the proposed station OL-01 in the Verona West reach between 11:35pm and 12:10pm aboard the R/V Tesla. The adjusted sampling location was near biota traps where samples were successfully harvested. The weather was clear with temperatures in the 50's (°F) and 5-knot winds from the North. Sea conditions were smooth, with a wave height of 0.5-1.5-ft, providing acceptable to marginal conditions for the vessel to hold on location or sampling. Deployments four (4) through six (6) of the box corer were attempted at OL-01. One (1) grab sample was collected representative of the upper 0.0 - 0.3-ft of sediment on the sixth deployment due to insufficient recovery on previous attempts to obtain sufficient sediment quantity for a core. The grab sample was preserved on wet ice while awaiting to be processed.

B - Field Data Records

See the field forms (Attachment B) for additional information on deployment(s) and bulk sample at station OL-01.

C – Deployment Accuracy - GPS Locations

As shown in the Deployment Locations Figure (Attachment C), the location of station OL-01 represents the sixth (6th) deployment and location of the recovered grab sample. The deployment represented a non-vegetated subtidal zone accessible at any time within the Verona West reach.

D – Processing Overview

Same-day processing was performed on grab sample OL-01 by Wood scientists at the Wood Field Station, Winterport, Maine. Grab sample OL-01 was processed as sample interval 0.0-0.3-ft. All tools utilized for sampling were decontaminated before and after use. The sample interval was placed into a stainless-steel bowl, homogenized and aliquoted for analyses of total mercury, methyl mercury, and total organic carbon (TOC).

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The appearance and textural properties of each push core was described using the Unified Soil Classification (USCS).

Sediment Core Logs are attached (See Attachment B).

OL-01

Grab sample at OL-01 did not have acceptable recovery (of 0.5-ft), though the sample was representative of the upper 0.0-0.3-ft.

• 0.0 – 0.3 ft: very dark olive gray (5Y 3/2) sandy SILT with large pieces of subrounded cobbles and gravels, non-plastic: ALLUVIUM

E – Photolog

The photo log, included as Attachment D, presents photos of each sample, post homogenization and pre-aliquoting for analytical samples.

Project No.: 3617207486 Page 2 March 2021

Weather: APPLAST SIX Winds: 5-8mgh Waters: 0.5'-1.0' Traffic: NONE Water T Measured Water Depth (NAVD88): SC-16 SG.3 Core Penetration Length (ft.): Correction to NAVD88 (+/-ft. from NAVD88): Recovered Core Length (ft.): Study Depth (-NAVD88): Acceptable Core (80% recovery): Required Penetration Length: 0.5' Core Volume Retained (gal.): All Length Measurements are in Decimal Feet Sample Interval (ft.) Sample Id # Description Number of containers: Decimal Feet Nominal core-barrel diameter Type of container: bucket liner bag jar other diameter EST. Vibracorer: Sambar 3.5" .33gal. Live Organisms present Oli-Like Present Odor Present Oli-Like Present Odor Present Odor Present NEW Yorganisms present Comments Core Volumes Nominal core-barrel diameter EST. Vibracorer: Slambar 3.5" .33gal.	wood	Penobsc	ot Rive	er Mercury	Study - I	Phase III E	ingineering	g Evaluation
Sub: AS Date: 9 18 20 Time: HOS Vessel: R VTES Coordinates: Lat HH. 5 5 7 87 Long -68 7978 12 Plan Volume: 0, I- Sampling Station: O - Deploy No. Sub-tidal Locat Weather: PVPK(AST, S) Winds: 5-8Mph Waters: 0.5'-1.0' Traffic: NONE Water T Measured Water Depth (NAVD88): Recovered Core Length (ft.): Correction to NAVD88(+-ft. from NAVD88): Recovered Core Length (ft.): Mudline (Corrected Depth) @ NAVD88: Sample Length Retained (ft.): All Length Measurements are in Decimal Feet Sample Interval (ft.) Sample Id # Description Number of containers: Decimal Feet Sample Interval (ft.) Sample Id # Description Number of containers: Ducket liner bag jar other diameter SType of container: Ducket Stambar 3.5' 33gal Live Organisms present Oli-like Present Odor Present Comments Comments Comments Comments Comments Comments Comments	WOOO .			SED	IMENT C	ORE LOC	}	
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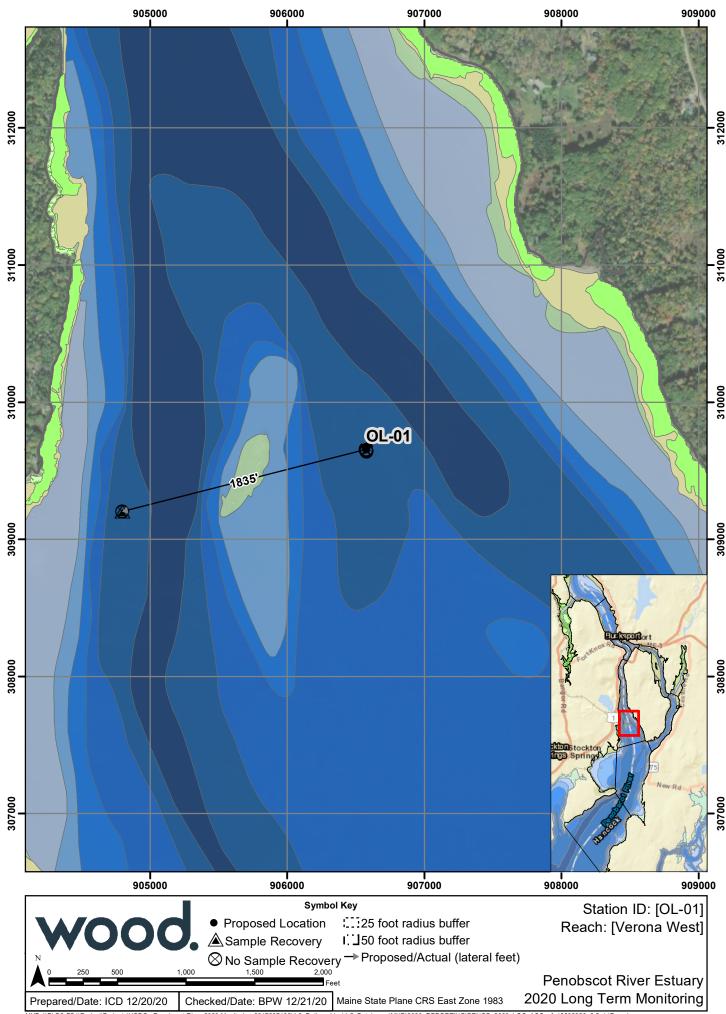
wood.	Pen	obscot Riv	er Mercury	Study - Pl	nase III Er	ngineering	g Evaluation		
WOOO .			SEDIMENT CORE LOG						
Owner: VSDC			Project No.:	66172074	86	Logger: C	LAUBHUK		
Sub: ASI		- 1	wo: —			Crew: B. I	WEYER		
	5.水金金宝 《 4. 16. 18	Date: 9/1	8 20	Time	: 1408	Vessel: R	N TESLA		
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♦ Bottom									
						Core V	olumes		
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Liner Type.		Push Corer	BOX	Slambar	3.5		.33gal/ft		
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9/2/2									

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net/BDC	ner/BDC Project No.: 3				C. LAUBACK			
h: A = 3): —		Crew:	Crew: B. WEYER				
ראו	Date: 9\18\2	20	Time : \	The state of the s				
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wood.	Penobscot R					ng Evaluation			
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Sub: AS		Project No.	: 361720	7486	Logger: (LAUBALK			
Sub. A51		WO: -				WEYER			
	Date: 9	9/20	Tin	ne : 1155		R V TESLA			
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Sub: ASI	اه	WO:	_	1	Crew: B	. WEYER
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Coordinates: Lat 44.514538	3	Long -6	3.8046R	W 9/21/20	Plan Volu	ume: 0.140gal
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Weather: CLERR, 505 Winds:	5mm	Waters: 0.	5-1.51	Traffic: N	IONE	Water Temp:
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Penobscot River Mercury Study - Phase III Engineering Evaluation						
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Owner: USDC			Project No.: 5	361720748(LABACK
Sub: ASI			wo:			WEYER
		Date: 9/19/2	.0	Time	: 1207 Vessel: P	V TESLA
Coordinates: Lat 44.5			Long -68.8 0	4612 1	Bu 1/1/16 Plan Volum	
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Weather: CLEAR 505	Winds: 5	mph	Waters:05	-1,5	Traffic: NONE	Water Temp: —
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Type of container:	bucket	liner bag	jar	other	diameter	EST. Volume
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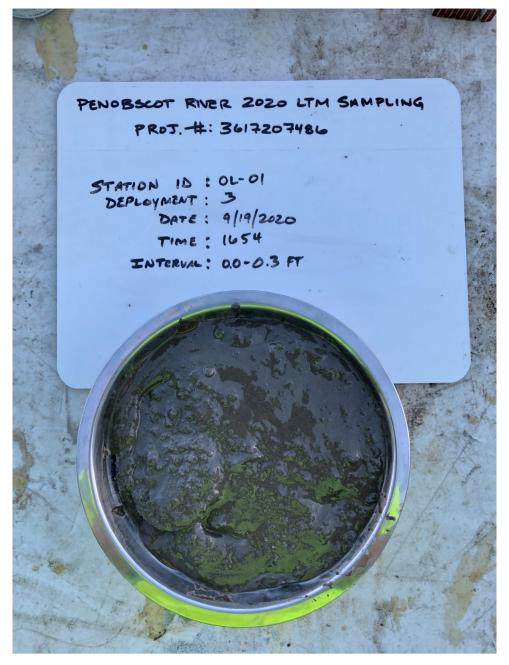


PHOTO 1:

CORE: OL-01

DEPLOYMENT: 3

INTERVAL: 0.0-0.3 FT

DATE: 9/19/2020



APPENDIX B - 2.29

Station Summary – W-61-High



STATION SUMMARY						
Station ID: W-61-High	Core collection and sample processing date:	Written by:				
	20 Sept 2020	C. Lauback				
Analytes: Total Mercury, Methyl Mercury, To	otal Organic Carbon	Checked by:				
Laboratory: Eurofins		B. Weyer				

A – W-61-High Collection Overview

On Sunday, September 20, 2020, Wood scientists cored station W-61-High in the Verona East reach between 14:13pm and 14:13pm aboard a canoe. The canoe was deployed in nearby deeper waters from the *R/V Tesla*. The sampling crew rowed from the *R/V Tesla* to the sampling station. The weather was clear with temperatures in the 50's (°F) and light winds ranging from 0 to 5-knots. Sea conditions were calm, with ripples, providing acceptable conditions for the vessel to hold on location for sampling. A Watermark Universal Core Head Kit (Watermark) was utilized for sediment collection via push coring. Sediment was collected with the Watermark directly into a 1-ft x 3-in diameter acetate liner. One (1) 1-ft push core was collected from a single attempted with the Watermark, designated in the field as W-61-High. Station W-61-High is one of four stations in a transect spanning from the high marsh to intertidal zone. The core was preserved on wet ice while awaiting to be processed.

B - Field Data Records

See the field forms (Attachment B) for additional information on deployment(s) and cores at station W-61-High.

C - Deployment Accuracy - GPS Locations

As shown in the Deployment Locations Figure (Attachment C), the location of station W-61-High represents the single deployment of the Watermark. The deployment represented a vegetated high marsh zone accessible at high tide within the Verona East reach.

D – Processing Overview

Same-day processing was performed on W-61-High by Wood scientists at the Wood Field Station, Winterport, Maine. Core W-61-High was sampled at pre-designated intervals (0.0-0.1-ft, 0.1-0.3-ft, and 0.3-0.5-ft) by extruding a single interval at a time. The extruder and tools used for extrusion were decontaminated between intervals. Each interval was placed into a stainless-steel bowl, homogenized and aliquoted for analyses of total mercury, methyl mercury (0.0-0.1-ft and 0.1-0.3-ft intervals only) and total organic carbon (TOC).

The appearance and textural properties of the push core were described using the Unified Soil Classification (USCS) throughout the core.

Sediment Core Logs are attached (See Attachment B).

Project No.: 3617207846 Page 1 March 2021

US District Court – District of Maine 2020 Sediment, Water Quality, and Aquatic Biota Monitoring Report Penobscot River Estuary



<u>W-61-High</u>

Push core W-61-High had an acceptable recovery over 0.5-ft.

- 0.0 0.1 ft: very dark grayish brown (2.5Y 3/2) silty SAND-sized wood chip, with some larger gravel-sized woody debris (0.5-0.75-in), non-plastic: MARSH
- 0.1 0.3 ft: very dark grayish brown (2.5Y 3/2) silty coarse SAND-sized wood chip, some fine leafy debris, non-plastic: MARSH
- 0.3 0.5 ft: dark gray (5Y 4/1) silty CLAY, trace organic-like leafy debris, trace larger woody detritus (1.0x0.5x0.5-in), medium plasticity: ALLUVIUM
- 0.5 0.8 ft: dark gray (5Y 4/1) silty CLAY, with trace isolated fine horizons of organic-rich black (5Y 2.1/1) silt and detritus

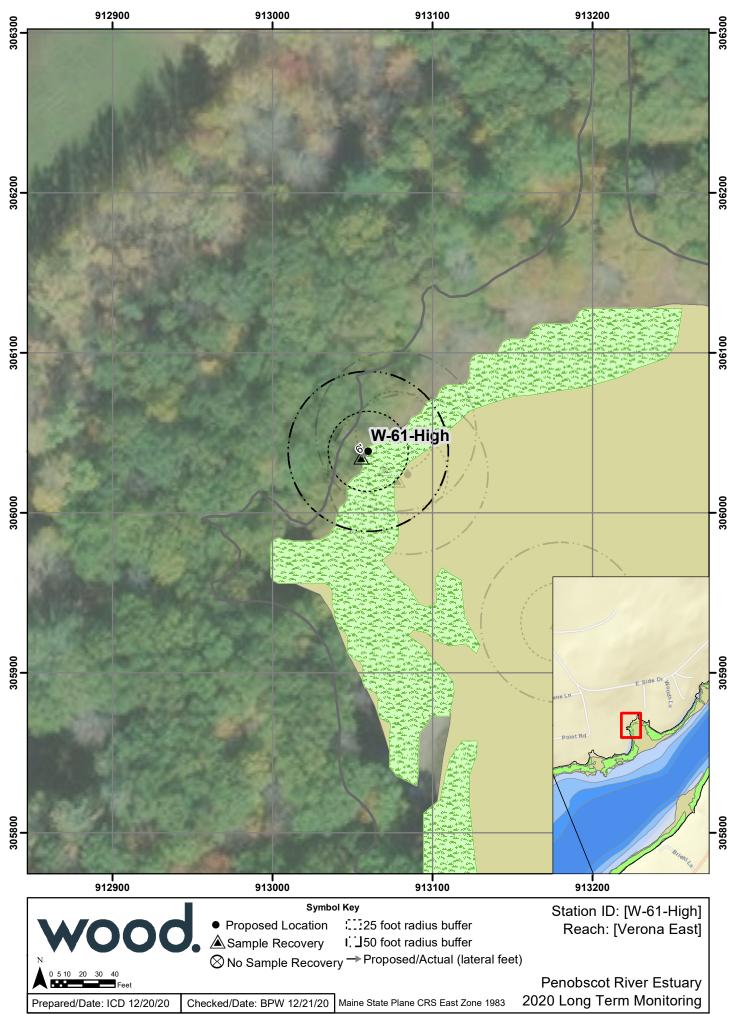
E – Photolog

The photo log, included as Attachment D, presents photos of each sample, post homogenization and pre-aliquoting for analytical samples.

Project No.: 3617207846 Page 2 March 2021

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Owner: USDC	Project No.: 3	617207486			LAUBACK
Sub: ASI	wo:			Crew: B.h	
	Date: 9/20/20	Time:	1422	Vessel: R) NESCA
Coordinates: Lat 44.505928	Long -68 .	772911		Plan Volume	e: 0,140gal
Sampling Station: W-61 HG	H	Deploy No.	1	Sub-tida	al Location? NO
Weather: CLEAR, 50s Winds: 0 -5	Smoh Waters: CAL	M [Traffic: N	ONE !	Water Temp: ──
Measured Water Depth [NAVD88]:	1.0	Core Pe	enetration l	Length (ft.):	0.0
Correction to NAVD88 (+/- ft. from NAVD88):		Recove	red Core l	Length (ft.):	8.0
Mudline (Corrected Depth) @ NAVD88:		Sample	Length Re	etained (ft.):	0,5
Study Depth (-NAVD88):		Acceptable	Core (80%	recovery):	YES
Required Penetration Length:	0.51	Core V	olume Reta	ained (gal.):	0.140gal
ΔΙΙ	Length Measurement	s are in Dec	imal Fee	et	
Sample Interval (ft.)	Sample Id #	Westernamen wi	n	occription	
Top 0.0 - 0.1	00-01	VERY DARK LIKE SILT A	GRAYISH TO	BROWN (2.1 ESAND-SI	25 NOOD (1416 SED NOOD (1416 SED NOOD (1416
	@1815	NON-PUT	2110		
0.1-03	01-03	VERY DARKGRAYISH BROWN (2.5 Y 3/2) ORGANIC-LIKE SILTY COARSE-SAND-SIZED WOODCHAPS, SOMEFINE LEAFY DEBRIS.			
•	@1817	NON-PLAST	IC		
0.3-0.5	03-05	DAKK CRAY	EBRIS, T	R LARGER	WOODY DEBRIS.
	@1819	ALLUNUM			
05 00		DARKGRA	(5Y H)) SILTY CL	LAY, WITH
0.5 -0.8	CLOPZOZO	PICH-LIK	E SILT	KNIDELL	S OF OPGANIC LITTS (BLACKSY
o z 9 koko					
Bottom	Chizolzo		CL)q	1920	
				Core Vo	olumes
Number of containers:	1 - 1 6			core-barrel	
Type of container: bucket	liner bag jar	other	diameter 4.0	(II	EST. Volume .50gal/ft
Liner Type:	Vibracorer: Push Core	Slambar	3.5		.33gal/ft
Live Organisms present —	Per per et gretense per resissa sus et as	Con	nments		
Oil-Like Present					
Odor Present YES ORGA	NIC				
Debris Present —	1				
Photo Numbers					
B. WEYER 2020					

QC CHECK BY B. WEYER 9/22/2020





PENOBSCOT RIVER 2020 LTM SAMPLING

PROJ. #: 3617207486

STATION ID: W-61-HIGH

DEPLOYMENT :

DATE : 4/20/2020

TIME : 1815

INTERVAL : 0.0-0.1 FF



PHOTO 1:

CORE: W-61-High

DEPLOYMENT: 1

INTERVAL: 0.0-0.1 FT



PENOBSCOT RIVER 2020 LTM SAMPLING PROJ. #: 3617207486

STATION ID: W-61-HIGH

DEPLOYMENT :

DATE : 4/20/2020

TIME : 1817

INTERVAL : 0.1-0.3 FT



PHOTO 2:

CORE: W-61-High

DEPLOYMENT: 1

INTERVAL: 0.1-0.3 FT





STATION ID: W-61-HIGH

DEPLOYMENT

DATE : 4 20 2020

TIME : 1819

INTERVAL : 0.3-0.5 ET



PHOTO 3:

CORE: W-61-High

DEPLOYMENT: 1

INTERVAL: 0.3-0.5 FT



APPENDIX B - 2.30

Station Summary – W-61-Mid



STATION SUMMARY					
Station ID: W-61-Mid	Core collection and sample processing date:	Written by:			
	20 Sept 2020	C. Lauback			
Analytes: Total Mercury, Methyl Mercury, To	Checked by:				
Laboratory: Eurofins		B. Weyer			

A – W-61-Mid Collection Overview

On Sunday, September 20, 2020, Wood scientists cored station W-61-MID in the Verona East reach between 14:04pm and 14:13pm aboard a canoe. The canoe was deployed in nearby deeper from the *R/V Tesla*. The weather was clear with temperatures in the 50's (°F) and light winds ranging from 0 to 5-knots. Sea conditions were calm, with ripples, providing acceptable conditions for the vessel to hold on location for sampling. A Watermark Universal Core Head Kit (Watermark) was utilized for sediment collection via push coring. Sediment was collected with the Watermark directly into a 1-ft x 3-in diameter acetate liner. One (1) 1-ft push core was collected from a single attempted with the Watermark, designated in the field as W-61-Mid. Station W-61-Mid, is one of four stations in a transect spanning from the high marsh to intertidal zone. Core was preserved on wet ice while awaiting to be processed.

B – Field Data Records

See the field forms (Attachment B) for additional information on deployment(s) and cores at station W-61-Mid.

C – Deployment Accuracy - GPS Locations

As shown in the Deployment Locations Figure (Attachment C), the location of station W-61-Mid represents the single deployment of the Watermark. The deployment represented a vegetated middle marsh zone accessible at high tide within the Verona East reach.

D – Processing Overview

Same-day processing was performed on W-61-Mid by Wood scientists at the Wood Field Station, Winterport, Maine. Core W-61-Mid was sampled at pre-designated intervals (0.0-0.1-ft, 0.1-0.3-ft, and 0.3-0.5-ft) by extruding a single interval at a time. The extruder and tools used for extrusion were decontaminated between intervals. Each interval was placed into a stainless-steel bowl, homogenized and aliquoted for analyses of total mercury, methyl mercury (0.0-0.1-ft and 0.1-0.3-ft intervals only) and total organic carbon (TOC).

The appearance and textural properties of the push core were described using the Unified Soil Classification (USCS) throughout the core. There was a moderate sulfur-like odor observed during processing, increasing downcore to termination.

Sediment Core Logs are attached (See Attachment B).

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W-61-Mid

Push core W-61-Mid had an acceptable recovery over 0.5-ft.

- 0.0 0.1 ft: dark grayish brown (2.5Y 3/2) SILT with woody and leafy debris with some fine fibrous root material, abundant coarse sand-sized wood, marsh: PEAT
- 0.1 0.3 ft: dark grayish brown (2.5Y 4/2) SILT with abundant coarse sand-sized wood chip, some fibrous root-like material, low density, marsh: PEAT
- 0.3 0.5 ft: very dark gray (2.5Y 3/1) fine sandy SILT with some fine fibrous root material, higher sediment to root ratios than from 0.0-0.3-ft, marsh: PEAT
- 0.5 0.8 ft: very dark gray (2.5Y 3/1) fine sandy-SILT with some fibrous root-like fibers and trace wood-like pieces (approximately 1.0-1.5-in) less dense than 0.0-0.5-ft, marsh: PEAT

Each interval was homogenized and aliquoted for analyses of total mercury, methyl mercury (top two (2) intervals only) and total organic carbon (TOC). Any remaining excess sediment was disposed of.

E – Photolog

The photo log, included as Attachment D, presents photos of each sample, post homogenization and pre-aliquoting for analytical samples.

Project No.: 3617207486 Page 2 March 2021

wood.	enobscot Rive	er Mercur	/ Study - Ph	ase III Eng	ineering	g Evaluation	
WOOO.		SE	DIMENT CO	RE LOG			
Owner: USDC	F	Project No.:	361720748	6 <u>L</u>	ogger: C.	LAUBACK	
Sub: ASI	1 1	wo: —			Crew: B.WEYER		
	Date: 9 20	20	Time :	1413 v	essel: R	IV TESLA	
Coordinates: Lat 44.505	1 POP	_{-ong} -68.	772855	P	lan Volum	ne: ().140gal	
Sampling Station: W-61	MID	र प्राप्ता का का का का का का का का का का का का का	Deploy No.		Sub-tid	dal Location? No	
Weather: CLEAR 50s Winds:	0-5mph 1	Waters: CA	LM	Traffic: NON	1E	Water Temp: -	
Measured Water Depth [NAVI	088]: 1.5	7,000	Core F	Penetration Le	ngth (ft.):	0.8	
Correction to NAVD88 (+/- ft.							
NAVI Mudline (Corrected Depth) @ NAV				ered Core Le e Length Reta			
Study Depth (-NAVI				e Core (80% r			
Required Penetration Lea	10			/olume Retain			
					ca (gai.).	0.00 941	
Control of the second state of the second se	All Length Mea	And Securify Head of Control	ts are in De	Strain or a new control of	or Port Village	Alemanda managaran ang	
Sample Interval (ft.) Top	Sample	e ld #	VERY DARKY	RAYISH BROW	cription	2)5/LT	
0.0'-0.1.	00-		MOODY-TIKE	: AND LEATY	DEBRIS	WITH SOME	
	@173	4	COAPSESKN	DSIZED WOO	DCHA	ATERIAL, ABUNDAM	
0.1-0.3	01-0	3	DARKGRAI	USHBROWN COAPSESAN	1 (2.5 Y D-SIZED	4/2) SILT WITH WOOD CHYP,	
	@173	lo	NOT DENSE	LOUS ROOT-	TIKE W	WOOD CITYP, ATERIAL,	
6.3-0.5	03 6	56		ERY DARKGRAY (2.543/1) FINE SANDY SILT			
0,000	@17:	38	MITH 30, HIGHER RA	ME FINE MO OF SEC LAYERS	JUBBEOL	IS ROOT MATERIAL	
05 00		- 420	VERY DARK	GRAY (25		FINESANDY	
0.5-0.8	Cr44		SILT WIT FIRERS LESS DENS	H JOME FIR AND TRW OME FIR	OOD-LIKERLYING	ROOT -LIKE LE CHRS(1.0'-15") LLYERS,	
			WALZH"	bf -			
c c glzolzo	01	9/20/20			L9/20/20	•	
Bottom							
Number of containers:					Core Vo	olumes	
Type of container: buck	t lines had	9		Nominal core	e-barrel	FOT WI	
Liner Type:	et liner bag Vibracorer:	jar	other	diameter 4.0"		EST. Volume .50gal/ft	
ACETATE	Push Corer		Slambar	3.5"		.33gal/ft	
Live Organisms present		OTHER RESERVED	Con	ments			
Oil-Like Present	,	SOME	SULPUR.	- LIVE OF	07-1	NKREASING	
Odor Present VES OZO Debris Present NO	JANI C	DOWN	CORE	-120 00	. , , ,	101.104	
Photo Numbers B. WEVER A 12 2020		***************************************	-				

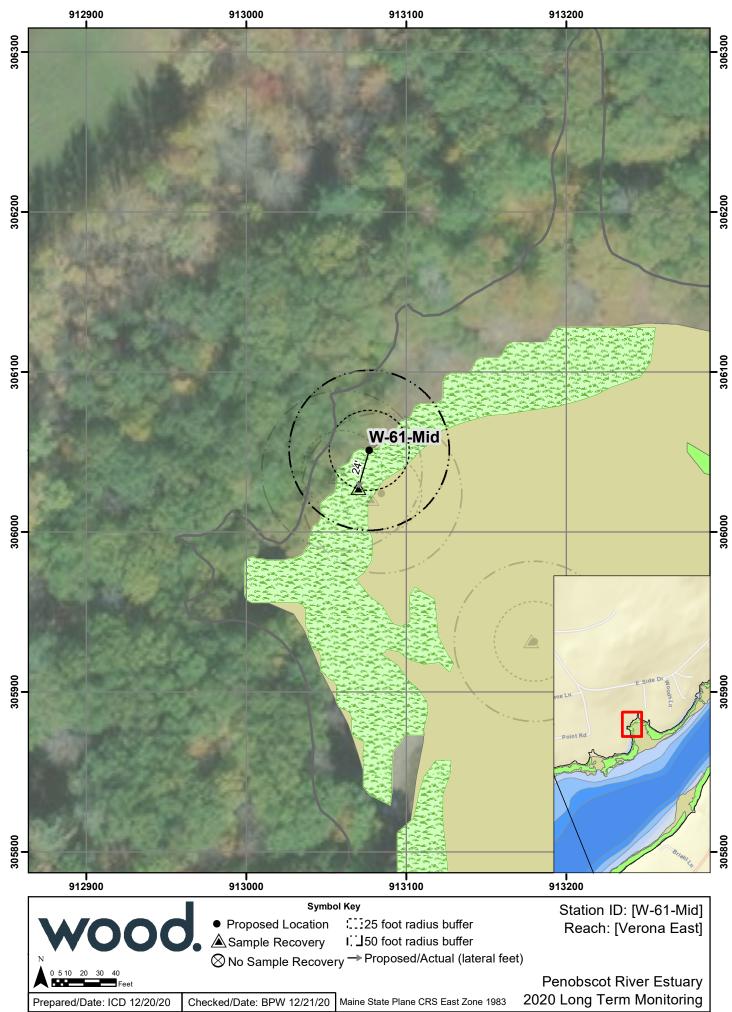






PHOTO 1:

CORE: W-61-Mid

DEPLOYMENT: 1

INTERVAL: 0.0-0.1 FT





PHOTO 2:

CORE: W-61-Mid

DEPLOYMENT: 1

INTERVAL: 0.1-0.3 FT





PHOTO 3:

CORE: W-61-Mid

DEPLOYMENT: 1

INTERVAL: 0.3-0.5 FT



APPENDIX B - 2.31

Station Summary – W-61-Low



STATION SUMMARY					
Station ID: W-61-Low	Core collection and sample processing date:	Written by:			
	20 Sept 2020	C. Lauback			
Analytes: Total Mercury, Methyl Mercury, To	Checked by:				
Laboratory: Eurofins		B. Weyer			

A – W-61-Low Collection Overview

On Sunday, September 20, 2020, Wood scientists cored station W-61-Low in the Verona East reach between 13:54pm and 14:04pm aboard a canoe. The canoe was deployed in deeper, nearby waters from the *R/V Tesla*. The weather was clear with temperatures in the 50's (°F) and light winds ranging from 0 to 5-knots. Sea conditions were calm, with ripples, providing acceptable conditions for the vessel to hold on location for sampling. A Watermark Universal Core Head Kit (Watermark) was utilized for sediment collection via push coring. Sediment was collected with the Watermark directly into a 1-ft x 3-in diameter acetate liner. One (1) 1-ft push core was collected from a single attempted with the Watermark, designated in the field as W-61-Low. Station W-61-Low, is one of four stations in a transect spanning from the high marsh to intertidal zones. Core was preserved on wet ice while awaiting to be processed.

B – Field Data Records

See the field forms (Attachment B) for additional information on deployment(s) and cores at station W-61-Low.

C – Deployment Accuracy - GPS Locations

As shown in the Deployment Locations Figure (Attachment C), the location of station W-61-Low represents the single deployment of the Watermark. The deployment represented a vegetated low marsh zone accessible at high tide within the Verona East reach.

D – Processing Overview

Same-day processing was performed on W-61-Low by Wood scientists at the Wood Field Station, Winterport, Maine. Core W-61-Low was sampled at pre-designated intervals (0.0-0.1-ft, 0.1-0.3-ft, and 0.3-0.5-ft) by extruding a single interval at a time. The extruder and tools used for extrusion were decontaminated between intervals. Each interval was placed into a stainless-steel bowl, homogenized and aliquoted for analyses of total mercury, methyl mercury (0.0-0.1-ft and 0.1-0.3-ft intervals only) and total organic carbon (TOC).

The appearance and textural properties of the push core were described using the Unified Soil Classification (USCS) throughout the core. There was a strong sulfur-like odor observed during processing starting at 0.3-ft increasing downcore to termination.

Sediment Core Logs are attached (See Attachment B).

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W-61-Low

Push core W-61-Low had an acceptable recovery over 0.5-ft.

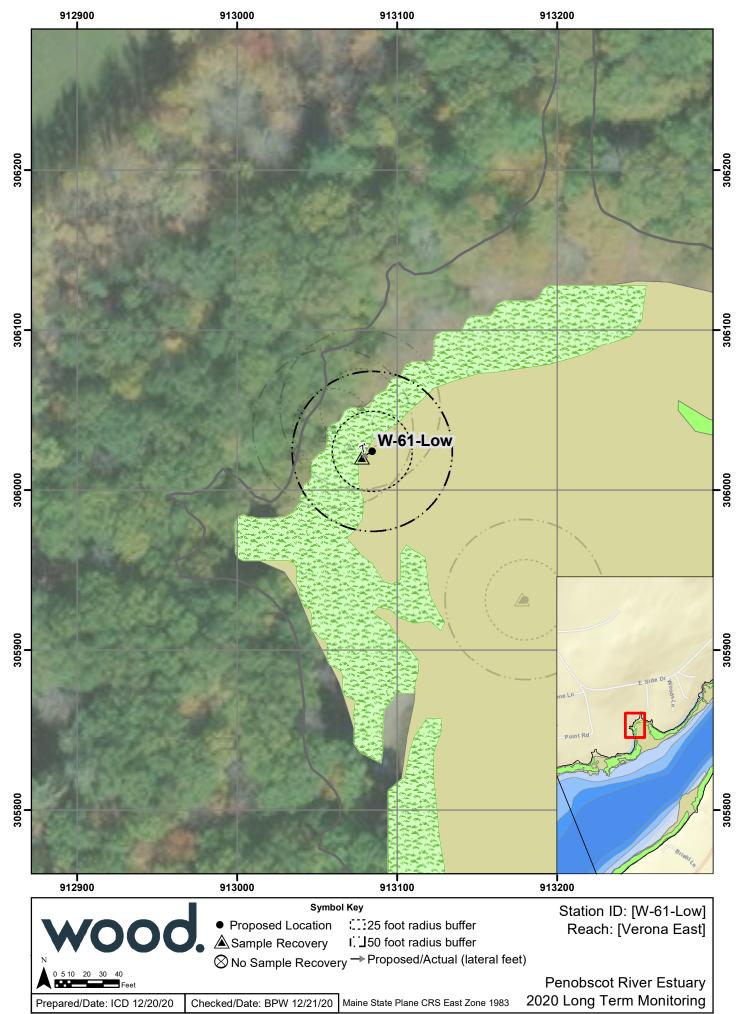
- 0.0 0.1 ft: dark grayish brown (2.5Y 4/2) SILT, organic-rich fines, dense fine and fibrous insitu root matting with greater ratio of root mass to sediment, marsh: PEAT
- 0.1 0.3 ft: very dark grayish brown (2.5Y 4/2) SILT and minimal clays, dense in-situ root matting, trace coarse clastic sands, marsh: PEAT
- 0.3 0.5 ft: very dark grayish brown (2.5Y 3/2) organic-like SILT in root matting, roots less dense than those found in 0.1-0.3-ft, marsh: PEAT
- 0.5 0.8 ft: very dark grayish brown (2.5Y 5/2) organic-like SILT in medium dense in-situ root matting; less dense than overlying layers, marsh: PEAT

E – Photolog

The photo log, included as Attachment D, presents photos of each sample, post homogenization and pre-aliquoting for analytical samples.

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wood.	nobscot River Mercur	y Study - Ph	ase III Engineerir	ng Evaluation	
***************************************	SE	DIMENT CO	RE LOG		
Owner: USDC	Project No.:	361720748	Logger: (L. LAUBACK	
Sub: ASI	, wo: —			, WEYER	
	Date: 9 20 20	Time :	HOH Vessel: 7	LU TESLA	
Coordinates: Lat 44.50564		772441	Plan Volu	me: 0.140gal	
Sampling Station: W-61 Low	J	Deploy No	. \ Sub-	tidal Location? ND	
Weather: UEAR, RDS Winds: O	-5 MON Waters: (A)	LM	Traffic: NONE	Water Temp: —	
Measured Water Depth [NAVD88]	2.5	Core F	Penetration Length (ft.)): M. &	
Correction to NAVD88 (+/- ft. from NAVD88)	n	2.50	ered Core Length (ft.)		
Mudline (Corrected Depth) @ NAVD88			e Length Retained (ft.)		
Study Depth (-NAVD88)			e Core (80% recovery)		
Required Penetration Length	0.5		/olume Retained (gal.)		
All	Length Measuremen	ts are in De	cimal Feet	The state of the s	
Sample Interval (ft.)	Sample ld #		Description		
Top 0.0-0.1'	00-01	OARKG PAYISH BROWN (2.5Y 4/2) SILT ORGANIC PICH FINES, DENSE ROOT MATTING (FINES FIBERS TO SEDIMENT, MARSH, Pt.			
0.1-0.3	01-03	MASH, RE. (IN SITU-LIVE ROOT MASS) AND MINIMAL CLAYS, DENSE ROOT MATTING, TR (OARSE CLASTIC SANDS. MASH, RE. (IN SITU-LIVE ROOT MASS)			
0.3-0.5	03-05	VERY DARKGRAYISH BROWN (2.443/2) OPGANIC-LIKE SILT IN ROOT MATTING ROOTS LESS DENSE THAN FROM (0.0.0.). MARSH, Pt.			
0.5'-0.8'	Grafresso	VERY DARK GRAYISH BROWN (2.57 3/2) ORGANICLIKE SILT IN MED. DENSE IN SITU ROOT MATTIN (1.2 LESS DENSE THAN OVERLYING LAYERS, MARSH, PE.			
Bottom CL 9/20/20	cra/solso		charal		
Number of containers:			Core V	olumes	
Type of container: bucket	liner bag jar	other	Nominal core-barrel	ECT Well-	
Liner Type:	liner bag jar Vibracorer:	other	diameter 4.0"	EST. Volume .50gal/ft	
ACETATE (Push Corer	Slambar	3.5"	.33gal/ft	
Oil-Like Present Odor Present Obbris Present			nments	ELOW-INCREASING	
B. WEYER 12/2020	WITH DEPTH		-1.0.3 110 0	The second second	





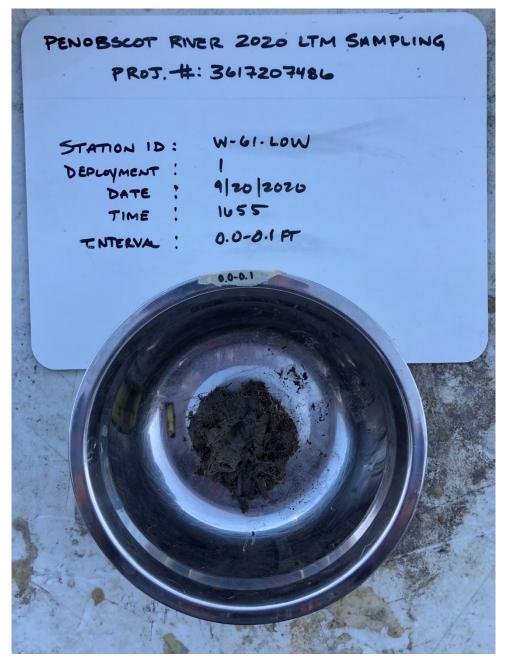


PHOTO 1:

CORE: W-61-Low

DEPLOYMENT: 1

INTERVAL: 0.0-0.1 FT





PHOTO 2:

CORE: W-61-Low

DEPLOYMENT: 1

INTERVAL: 0.1-0.3 FT





PHOTO 3:

CORE: W-61-Low

DEPLOYMENT: 1

INTERVAL: 0.3-0.5 FT



APPENDIX B - 2.32

Station Summary – W-61-Intertidal



STATION SUMMARY					
Station ID: W-61-Intertidal	Core collection and sample processing date: 18 Sept 2020	Written by: C. Lauback			
Analytes: Total Mercury, Methyl Mercury, T		Checked by:			
Laboratory: Eurofins	· ·	B. Weyer			

A – W-61-Intertidal Collection Overview

On Friday, September 18, 2020, Wood scientists cored station W-61-Intertidal in the Verona East reach between 12:40pm and 1:00pm aboard the *R/V Tesla*. The weather was overcast with temperatures in the 50's (°F) and varying winds ranging from 5 to 8-knots. Sea conditions were smooth, with a wave height of 0.5-1.0-ft, providing acceptable conditions for the vessel to hold on location for sampling. A Watermark Universal Core Head Kit (Watermark) was utilized for sediment collection via push coring. Sediment was collected with the Watermark directly into a 1-ft x 3-in diameter acetate liner. One (1) 1-ft push core was collected from a single attempted with the Watermark, designated in the field as W-61-Intertidal. Station W-61-Intertidal is one of four stations in a transect spanning from the high marsh to intertidal zone. Core was preserved on wet ice while awaiting to be processed.

B – Field Data Records

See the field forms (Attachment B) for additional information on deployment(s) and cores at station W-61-Intertidal.

C – Deployment Accuracy - GPS Locations

As shown in the Deployment Locations Figure (Attachment C), the location of station W-61-Intertidal represents the single deployment of the Watermark. The deployment represented a non-vegetated intertidal zone accessible at high tide within the Verona East reach.

D – Processing Overview

Same-day processing was performed on W-61-Intertidal by Wood scientists at the Wood Field Station, Winterport, Maine. Core W-61-Intertidal was sampled at pre-designated intervals (0.0-0.1-ft, 0.1-0.3-ft, and 0.3-0.5-ft) by extruding a single interval at a time. The extruder and tools used for extrusion were decontaminated between intervals. Each interval was placed into a stainless-steel bowl, homogenized and aliquoted for analyses of total mercury, methyl mercury (0.0-0.1-ft and 0.1-0.3-ft intervals only) and total organic carbon (TOC).

The appearance and textural properties of each push core was described using the Unified Soil Classification (USCS). There was a strong sulfur-like odor throughout the core observed while processing.

Sediment Core Logs are attached (See Attachment B).

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W-61-Intertidal

Push core W-61-Intertidal had an acceptable recovery over 0.5-ft.

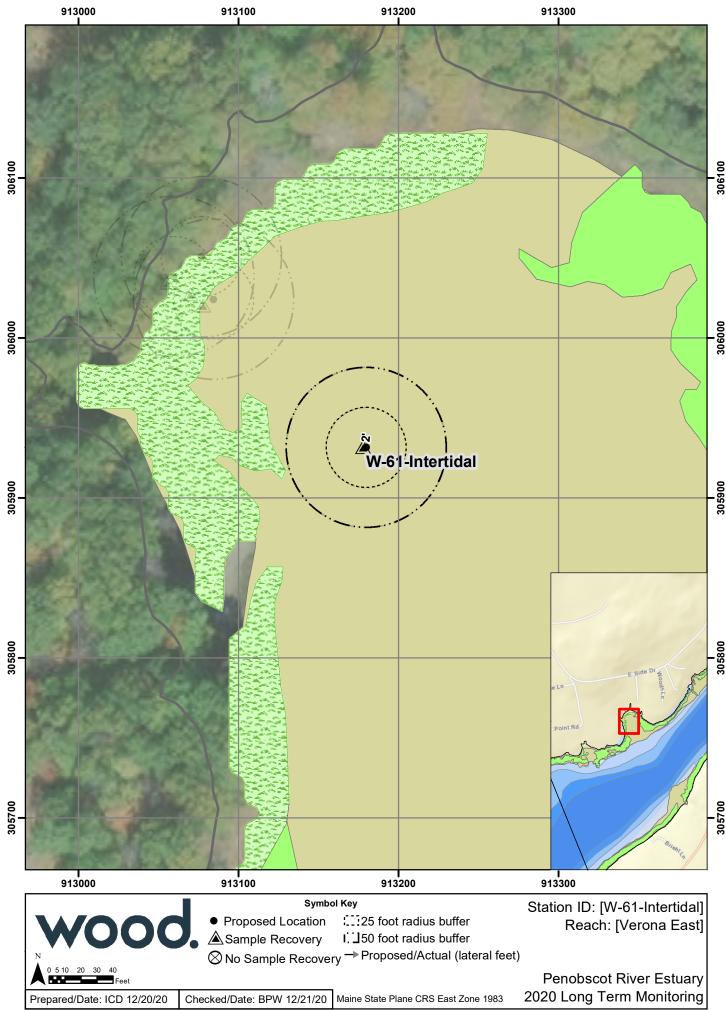
- 0.0 0.1 ft: very dark gray (5Y 3/1) silty CLAY, rich in organic-like fines, trace fine root-like fibers, low plasticity: ALLUVIUM
- 0.1 0.3 ft: very dark gray (5Y 3/1) clayey SILT with trace very fine clastic sands, with minimal wood chip, trace root-like fibers, low plastic: ALLUVIUM
- 0.3 0.5 ft: very dark gray (5Y 3/1) silty organic-rich CLAY with minimal wood chip and fine root-like fibers, medium plasticity: ALLUVIUM
- 0.5 0.55 ft: very dark gray (5Y 3/1) silty organic rich CLAY with fine root-like fibers, fine lense
 of coarse angular clastic sand at 0.55-ft, low plasticity: ALLUVIUM

E – Photolog

The photo log, included as Attachment D, presents photos of each sample, post homogenization and pre-aliquoting for analytical samples.

Project No.: 3617207486 Page 2 March 2021

wood.	obscot River Mercu			neering Evaluation
		EDIMENT CO		
Owner: USDC	Project No.	:361720748		gger: C-LALBACK
Sub: A31	, wo: -		Cr	ew: B. WEYER
	Date: 9 19 20	Time :	1360 Ve	essel:PVTESLA
Coordinates: Lat 44.505641	8 Long -6	Time : 8,772 441	PI	an Volume: 0.140gal
Sampling Station: $W - (0 1 - 1 N)^2$		Deploy No.		Sub-tidal Location? NO
Weather: OVERUST, 50s Winds: 5-	8mph Waters: ()	5-10	Traffic: NON	Water Temp: —
Measured Water Depth [NAVD88]:	8.6	Core F	Penetration Ler	ngth (ft.): 🖰 , 🖟
Correction to NAVD88 (+/- ft. from		Recov	ered Corele	ngth (ft.): 0,55
Mudline (Corrected Depth) @ NAVD88:				ined (ft.): 0,5
Study Depth (-NAVD88):			e Core (80% re	11
Required Penetration Length:	A 5-1			ed (gal.): 0,140qal
All	Length Measureme	ents are in De	cimal Feet	The second secon
Sample Interval (ft.)	Sample Id #		. Desc	cription
Top 0.0'-0.1'	00-01	VERY DAR	KGRAY GY	BIDSILTY CLAY, ORGANIK TRITIS PINES, E FIBERS, LOWPLASTIC
	00-01	TR FINE	ROOT-LIK	EFIBERS, LOWPLASTK
	@1820	ALLIN	OW	
0.1-0.3	01-03	VERY DAT	EKGIPAY (5	Y3/1) CLAYEY SILT
0.1-0.5	0103	WITH IN	DOD CHIP	NE CLASTIC SANDS, MINIMAL) TR 2007-LIKE
	@1827	LIBELS! T	OW PLATI	- nacoviory
0.3'-0.5'	02-05	NEKY DA	RKGRAY (543/1) SILTY ORGANI
	@ 15 04	AND FIN	VE PLOOT LI	INIMAL WOOD CITIP
	@1824	MED. YL	ASIIC, AL	LONOM
0.5-0.55		1211 H (1	Z +MIN YA	(54 3/1) SILTY - ORGANIN
00000		FINEL	ENSE OF	COARSE ANGULAR AT BOTTOMOP LOW PLASTICATION
	-	CLASTI	CSAND H	40 MOTTOCI TA
01-1	() ()	SEV. IN	11FICNIAC?	TOW THE HEALTON
CL 9/18/20	CL 9/18/20		_ (0)	9/18/20
Bottom	1		CC	1/18/00
				Core Volumes
Number of containers:	<u> </u>		Nominal core	e-barrel
Type of container: bucket	liner bag jar	other	diameter 4.0"	EST. Volume .50gal/ft
Liner Type: ACETATE	Vibracorer: Push Corer	Slambar	3.5"	.33gal/ft
		market from the contract of th	mments	
Live Organisms present NO Oil-Like Present NO	1			
Odor Present YES	-STRONG SULP	NC-LIKE GO		
Debris Present No				
Photo Numbers				
2.000				
122				





PENOBSCOT RIVER 2020 LTM SAMPLING PROT. #: 3617207486

STATION ID: W-61-INTERTIDAL

DEPLOYMENT: !

DATE: 9/18/2020

TIME : 1820

INTERVA : 0.0-0.1 FT



PHOTO 1:

CORE: W-61-Intertidal

DEPLOYMENT: 1

INTERVAL: 0.0-0.1 FT

DATE: 9/18/2020



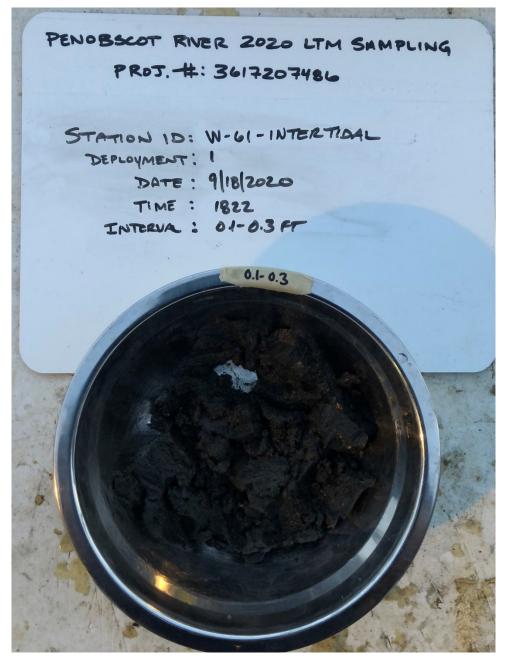


PHOTO 2:

CORE: W-61-Intertidal

DEPLOYMENT: 1

INTERVAL: 0.1-0.3 FT

DATE: 9/18/2020



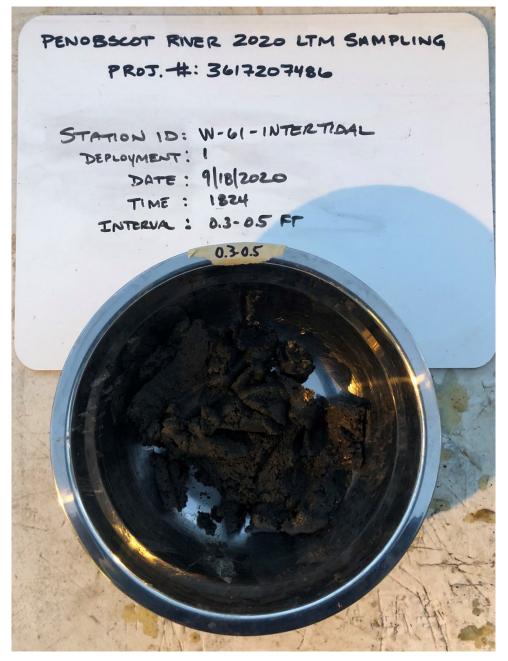


PHOTO 3:

CORE: W-61-Intertidal

DEPLOYMENT: 1

INTERVAL: 0.3-0.5 FT

DATE: 9/18/2020



APPENDIX B - 2.33

Station Summary – SVE-01



STATION SUMMARY							
Station ID: SVE-01	Core collection and sample processing date:	Written by:					
	18 Sept 2020	C. Lauback					
Analytes: Total Mercury, Methyl Mercury, To	Checked by:						
Laboratory: Eurofins	-	B. Weyer					

A - SVE-01 Collection Overview

On Friday, September 18, 2020, Wood scientists cored station SVE-01 in the Verona East reach between 1:15pm and 1:48pm aboard the *R/V Tesla*. The weather was overcast with temperatures in the 50's (°F) and varying winds ranging from 5 to 8-knots. Sea conditions were mild, with a wave height of 0.5-1.0-ft, providing acceptable conditions to stay on location for coring. A box corer was utilized for sediment collection. Sediment was sampled from the box corer by 1-ft hand push cores with 3-in diameter acetate liners. Eight (8) attempted deployments of the box corer were attempted at SVE-01 to obtain two (2) 1-ft hand push cores, designated in the field as SVE-01-A and SVE-01-B.

Station SVE-01 was a biota collocate location. Multiple deployment attempts occurred near the proposed coordinates and near traps where biota were successfully harvested. Deployments one through seven (1-7) were attempted at the biota trap locations nearest to the proposed station coordinates. The first seven (7) deployments resulted in insufficient recovery, ranging from no recovery to 5-in of sediment. The limited sediment that was recovered in Deployments 1-7 contained rock fragments and cobbles. Cores were preserved on wet ice while awaiting to be processed.

B – Field Data Records

See the field forms (Attachment B) for additional information on deployment(s) and cores at station SVE-01.

C - Deployment Accuracy - GPS Locations

As shown in the Deployment Locations Figure (Attachment C), the location of station SVE-01 represents the location of the eighth (8th) deployment, which was placed near corresponding biota trap. The deployment represented a non-vegetated subtidal zone accessible at slack tide within the Verona East reach.

D – Processing Overview

Same-day processing was performed on SVE-01 by Wood scientists at the Wood Field Station, Winterport, Maine. Core SVE-01-A, designated during processing as SVE-01, was sampled at pre-designated intervals (0.0-0.1-ft, 0.1-0.3-ft, and 0.3-0.5-ft) by extruding a single interval at a time. The extruder and tools used for extrusion were decontaminated between intervals. Each interval was placed into a stainless-steel bowl, homogenized and aliquoted for analyses of total mercury, methyl mercury (0.0-0.1-ft and 0.1-0.3-ft intervals only) and total organic carbon (TOC).

Project No.: 3617207486 Page 1 March 2021

US District Court – District of Maine 2020 Sediment, Water Quality, and Aquatic Biota Monitoring Report Penobscot River Estuary



The appearance and textural properties of each push core was described using the Unified Soil Classification (USCS). There was a sulfur-like odor present noted during processing, which increased downcore.

Sediment Core Logs are attached (See Attachment B).

SVE-01

Push core SVE-01 had an acceptable recovery over 0.5-ft.

- 0.0 0.1 ft: dark to very dark gray (5Y 3/1) clayey SILT, trace very fine root-like material, non-plastic: ALLUVIUM
- 0.1 0.3 ft: dark gray (5Y 3/1) clayey SILT, organic-like, race fibrous fine root-like material, low plastic: ALLUVIUM
- 0.3 0.5 ft: dark gray (5Y 3/1) silty CLAY with minimal wood chip, medium plasticity:
 ALLUVIUM
- 0.5 0.55 ft: dark gray (5Y 3/1) clayey SILT with minimal very fine clastic, well sorted, coarsening downward sand, with minimal woodchip, low plastic: ALLUVIUM

E – Photolog

The photo log, included as Attachment D, presents photos of each sample, post homogenization and pre-aliquoting for analytical samples.

Project No.: 3617207486 Page 2 March 2021

wood.	nobscot River Mercury	/ Study - Phase III E	ngineering	Evaluation	
	SE	DIMENT CORE LOG	;		
Owner: USDC	Project No.:	3617207486	Logger: C.	LABACK	
Sub: 451	wo:		Crew: B	WEYER	
Interpretation	Date: 1/8/20	Time : 1316	Vessel: R	V TESLA	
Coordinates: Lat 44.501420	Long -68	.775877	Plan Volum	1e: 0.140gal	
Sampling Station: SUF - O	en betreve state from the first and the effective of the energy of the effective of the energy of th	Deploy No.		lal Location?	5 BW
Weather: OVERLAST, SOS Winds: 5	8 Mo Waters: 0 . 5	Traffic: N	IONE	Water Temp: ~	9/24/20
Measured Water Depth [NAVD88]	42.3	Core Penetration	Length (ft.)		
Correction to NAVD88 (+/- ft. from	1			0/10/	
NAVD88)		Recovered Core		1/0/20	
Mudline (Corrected Depth) @ NAVD88 Study Depth (-NAVD88)		Sample Length F			
Required Penetration Length	1	Acceptable Core (80 Core Volume Re			
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♦ Bottom					
DOMOTT					
Number of containers:	-	Nominal	Core Vo	lumes	
Type of container: bucket	liner bag jar	other diameter		EST. Volume	
Liner Type: NA	Vibracorer: Push Corer	Slambar 3.5		.50gal/ft .33gal/ft	
Live Organisms present —		Comments	White and the second second	.oogai/it	
Oil-Like Present —	レコペニのモクラー				
Odor Present — Debris Present —	-DROPPED BOX	COKE NEXT TO	NERKE	ATOID ICE	
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wood.	Pen	obscot Riv	er Mercury	Study - Ph	ase III E	ngineering	Evaluation
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Owner: VSDC			Project No.:	361720741	86	Logger: 🖰.	LAUBACK
Sub: ASI		Ī. a	wo: —		1000	Crew: B. W	JEYER
7,00		Date: 9/18	reason asserting the second second visit	SET THE PARTY OF T	1320	Vessel: P) TESLA
Coordinates: Lat 44.50	352	SOF Ware sent from	Long ~68.	775870		Plan Volume	: 0.140gal
Sampling Station: SVE	-01			Deploy No.	2	Sub-tida	I Location?
Weather: OVERCAST 50s Wi	nds: 5	Ham8-	Waters: 6.5	`	Traffic: N	IONE V	Vater Temp: —
Measured Water Depth [NAVD88]:	33.9	sal magazio a lubbilitata di Ching Lub	Core F	Penetration	Length (ft.):	
Correction to NAVD88 (0 20	Length (ft.):	CC 9/1
Mudline (Corrected Depth) @	NAVD88:					Retained (ft.):	1/8/20
Study Depth (-	NAVD88):			Acceptable	e Core (80°	% recovery):	
Required Penetration	on Length:	0.51		Core \	/olume Re	tained (gal.):	
	All	Length Me	asurement	s are in De	cimal Fe	et	
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Bottom					***		
Number of containers:	~~~			-		Core Vol	umes
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- NET							
Photo Numbers B. WEYER 9 22 1020							

QL CHECK BY B. WEYER 9/22/2020

wood.	Pen	obscot Rive	er Mercury	Study - Ph	ase III Engi	ineering	Evaluation
				IMENT CO	THE RESERVE OF THE PARTY OF THE	6	= 1216
Owner: USDC			Project No.: 3	617 2074 8			LAUBACIC
Sub: AS1			WO:		And the second second	rew: B. N	0
	MESON SERVICE	Date: 918					v TESLA
Coordinates: Lat 44.5	01282		Long - 68.	775869	P	lan Volume	:: 0.140
Sampling Station: SV	E-01			Deploy No.	3	Sub-tida	al Location? NO 15
Weather: OVERUAST, 50s	Winds: 5-	8mph	Waters: 0.5		Traffic: NO	NE V	Vater Temp:
Measured Water Dept	h [NAVD88]:	35.81		Core F	Penetration Le	ngth (ft.):	4
Correction to NAVD8				Pacov	ered Core Le	anath (ft):	0.40
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	(-NAVD88):				e Core (80% r		5/3
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				110/20)		
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Bottom							
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Odor Present Debris Present				10 May 1 - 150			è
aler	0						
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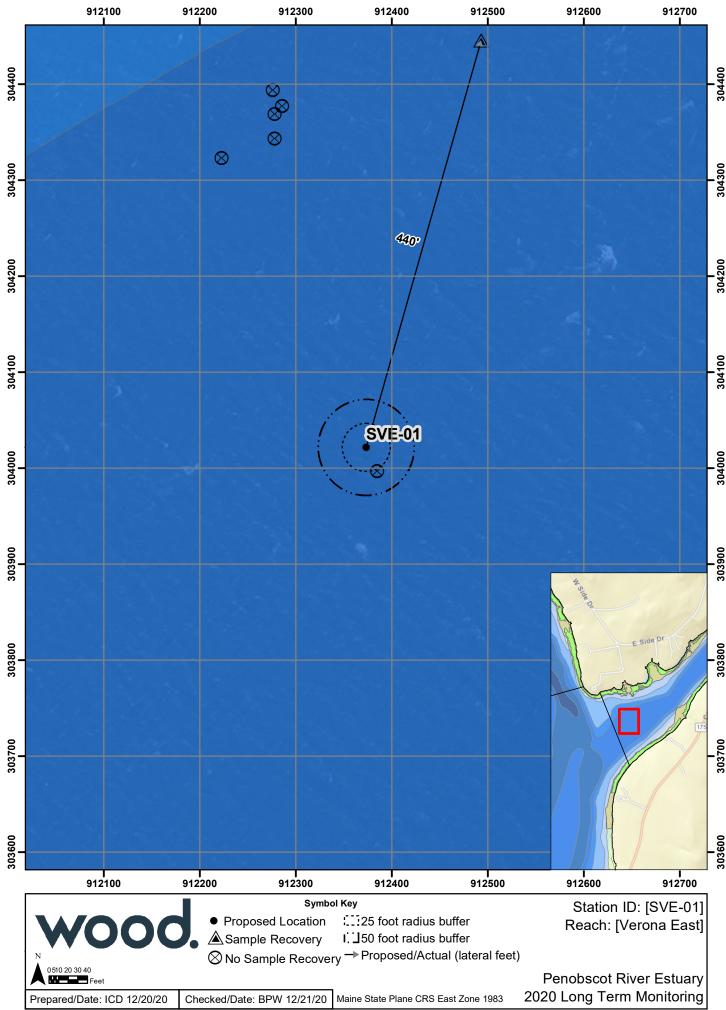
wood.	ot River Mercury	Study - Pha	se III Engineering	g Evaluation
*****	SED	IMENT COF	RE LOG	
Owner: USDC	Project No.: 3	66172044		LABACK
Sub: ASI	wo: -		Crew: B.	The second secon
Date:		Time : \		IV TESLA
Coordinates: Lat 44,501226	Long -68.7	176081	5-17-1804/21512/W7/F	ne: 0.140gal
Sampling Station: SVE-O(Deploy No.	4 Sub-ti	dal Location? NO
Weather: OVERCASTED Winds: 5 8mp	n Waters: 0₀5	5 \-1.0\	Traffic: NONE	Water Temp:
Measured Water Depth [NAVD88]: 36	્રિ	Core Po	enetration Length (ft.):	
Correction to NAVD88 (+/- ft. from NAVD88):		Recove	ered Core Length (ft.):	C/
Mudline (Corrected Depth) @ NAVD88:			Length Retained (ft.):	-01
Study Depth (-NAVD88):		Acceptable	Core (80% recovery):	110120
Required Penetration Length:	.51	Core V	olume Retained (gal.):	
All Leng	th Measurement	s are in Dec	cimal Feet	
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Bottom				
			Core \	/olumes
Number of containers:			Nominal core-barrel	EST. Volume
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Debris Present —				
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B. WEYER 2020				

Penobscot River Mercury Study - Phase III Engineering Evaluation							
WOOO .		SED	IMENT CO	RE LOG			
Owner: USDC		Project No.:3	61720748	· ·		LAIBALK	
Sub: A51	Date:	18/20	Time :	2-11	ssel: R	V JESLA	
Coordinates: Lat 44.501375		Long -68 .	7 <i>75</i> 840	Pla	ın Volum	e:0.14 Ogal	60.
Sampling Station: SVE-O1	Contractor and the contractor an	i - 112=2 p=+150000= 10 st	Deploy No	5 C	Sub-tid	al Location? 40	BW
Weather: 0VEYUST, Sk Winds: 5	-8mph	Waters: 0,5	1.00	Traffic: NON	IC I	Water Temp:	
Measured Water Depth [NAVD88	37.0	Company of the state of the sta	Core I	Penetration Len	gth (ft.): 7	5" = 0.4 Ft	
Correction to NAVD88 (+/- ft. fro	m		Recov	vered Core Len	gth (ft.): <u>'</u>	5"= 0.4ft	
Mudline (Corrected Depth) @ NAVD8			Samp	e Length Retair	ned (ft.):	0.4	
Study Depth (-NAVD8	3):		Acceptabl	e Core (80% re	covery):		
Required Penetration Length	h: 0.5'		Core '	Volume Retaine	ed (gal.):	0.117gal	
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Number of containers: ——	-			Nominal core			
Type of container: bucke		jar	other	diameter 4.0"		EST. Volume .50gal/ft	-
Liner Type: ACETATE	Vibracorer: Push Corer	DOX)	Slambar	3.5"		.33gal/ft	1
THE RESERVE OF THE PERSON OF T	The American Programme	SECRETARISH SECURITIES	to astronomica. State into	mments			7
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Odor Present —							
Debris Present	-DF(c	NEVED	SOME	SEDIMI	ENT-	DID	
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l Penc	bscot Rive	er Mercury	Study - Pha	se III En	gineering	Evaluation	
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17()	Date: 9 18 2	20	Time :	1330	Vessel: R	VTESLA	
Coordinates: Lat 44.500332	722-102-5 000-5 000-000-000-000-000-000-000-000	_ong <i>— 6</i> 8	745456	PART EXPOSED DATE	Plan Volum	e: 0.140gal	2 1 9 22/20
Sampling Station: SVF-OI			Deploy No.	6	Sub-tid	al Location?	BW 9 ZEZO
Weather: OFFICAST, 705 Winds: 5	-8mph	Waters: 0.5	-1.0	Traffic: N	ONE	Water Temp: -	
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Required Penetration Length:	0.5'		Core Vo	olume Reta	ained (gal.):	- Marie San Marie San Marie San Marie San Marie San Marie San Marie San Marie San Marie San Marie San Marie Sa	
All	Length Me	asurement	s are in Dec	imal Fee	et		
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Bottom		,					
Number of containers:				Magair - I	Core Vo	olumes	-
Type of container: bucket	liner bag	iar	other	diameter	core-parrei	EST. Volume	
Liner Type:	Vibracorer:	(BOX)		4.0		.50gal/ft	
e de la companya de la companya de la companya de la companya de la companya de la companya de la companya de	Push Corer	PANEL BETTE SHOW HAVE	Slambar	3.5		.33gal/ft	=
Live Organisms present Oil-Like Present				ments			
Odor Present	- PROPO	sed Loc	ATION			2	
Debris Present	NO	FNO	JUH RET	OVER	y-HA	D A PEW	
Photo Numbers	INC	HES OF	SED - RO	CKYP	IECES	INSAMPLER	
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wood.	obscot Riv	er Mercury			ngineering	Evaluation
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Owner: VSDC		Project No.: 3	3617207	486		LAUBACK
Sub: ASI	-4	WO:			Crew: B.W	
1(0)	Date: 9 18	20	Time	:1340	Vessel: 🖺 🛚	1 TESLIA
Coordinates: Lat 44,501730		Long -68.	774940		Plan Volume	e: 0.140gal
Sampling Station: SUE -01		Charles Without and	Deploy No	o. 7	Sub-tid:	al Location? NO
Weather: OVERCAST 50s Winds: 5	Namb-	Waters: 0,5	-1.0	Traffic:		Water Temp: ——
Measured Water Depth [NAVD88]	C C C	den was like the state of the p	Core	Penetration	Length (ft.):	\
Correction to NAVD88 (+/- ft. from NAVD88);	Reco	vered Core	Length (ft.):	0111
Mudline (Corrected Depth) @ NAVD88					etained (ft.):	4/18/20
Study Depth (-NAVD88					% recovery):	/
Required Penetration Length	1-0				ained (gal.):	/
Al		easurement	s are in De	ecimal Fe	et	
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♦ Bottom						
Number of containers:	T				Core Vo	lumes
	- Lines has	1	- Julian		core-barrel	EST. Volume
Type of container: bucket Liner Type:	liner bag Vibracorer:	Jar Bo	dther	diameter 4.0)"	.50gal/ft
7. 7.6.7	Push Corer		Slambar	3.5		.33gal/ft
Live Organisms present			Co	mments		SAMPANOS ANTEST WAS ESTABLISHED AND A MARKET AND A SAMPANOS AND A
Oil-Like Present					025	
Odor Present Debris Present	-IN ?	SUFACIE	ENT RA	COLAT	RY	
Photo Numbers	1		- I FC		₹/) 3.	
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wood.	enobscot River Mercury Study - Phase III Engineering Evaluation SEDIMENT CORE LOG					
Owner: USDC			3617207L		er: C.LAUBIACK	
Sub: ASI		WO:	06172012		BUEYER	
22. 1/21	Date: 918		Time :	1) /	H: RUTESLA	
Coordinates: Lat 44.50156	WHEN THE PARTY OF	pristales populations		NOTES AND SALES AND ADDRESS OF THE PARTY OF		
	Medical and some sta	Long -00	.775047	The state of the s	/olume: 0.140gal	
Sampling Station: SVE - O\			Deploy No.	/V -	Sub-tidal Location? NO	
Weather: WENGST, 50s Winds: 5-	8000 h	Waters: 0.5	`-1.0°	Traffic: NONE	Water Temp: —	
Measured Water Depth [NAVD88	38-2,3-	1.8	Core F	enetration Length	(ft.): 0.60	
Correction to NAVD88 (+/- ft. fro NAVD88			Recov	ered Core Length	(ft.): 0,55	
Mudline (Corrected Depth) @ NAVD8	8:			e Length Retained	4 (
Study Depth (-NAVD88	3):			e Core (80% recov		
Required Penetration Lengt	h: 0.5 ¹		Core V	olume Retained (gal.): 0.140qa1	
A	II Length Me	easuremen	ts are in De	cimal Feet		
Sample Interval (ft.)	Samp	ole ld#		Descript	ion	
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	@18	42				
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00000	@18		A) 1130110	M	B (5Y 311), CLAYEY R FIBROUS, PINE KS, LOW PRASTIC	
0.3'-0.5'	03	-05	MINIMAL WOOD CHIP, MED PLASTIC ALLUNUM			
	@ 18	346				
0.5-0.55		_	DARKGR	AY (5 Y 3/1)	CLAYEY SILT	
000 000			WELL SOY	STED SAND-	PINECUASTIC COARSENING CHP(MINIMAL)	
		01	LOW PLA	STIC ALLI	MUM	
Cr Malzo	-	9/18/20				
Alles		1110/20				
Bottom					NATE OF THE OWNER OF THE OWNER OF THE OWNER OF THE OWNER OF THE OWNER OF THE OWNER OF THE OWNER OF THE OWNER O	
Number of containers:	-	6	_	Co Nominal core-bar	re Volumes	
Type of container: bucket	liner bag	jar	other	diameter	EST. Volume	
Liner Type:	Vibracorer:	BOX		4.0"	.50gal/ft	
ACETATE	Push Corer		Ślambar	3.5"	.33gal/ft	
Live Organisms present NO	-		Com	nments CL9/18		
Oil-Like Present NO Odor Present YES	-MOIM	S OT O	ECON D -	107 B10	TA TRAP	
Debris Present NO						
Photo Numbers					3D. VOLUMES.	
Photo Numbers	-DEPLOY	MENT 8	HAD DUA	PICIENT SE	DIMBNITO THIS FORM ES DOWN CORF	
9/24	THOCE	BITY	FSUE	PAGOLA	ES DOWNICARE	





PENOBSCOT RIVER 2020 LTM SAMPLING PROJ. #: 3617207486

STATION ID: SVE-01

DEPLOYMENT: 8

DATE: 9/18/2020

TIME : 1842

INTERVA : 0.0-0.1 FF



PHOTO 1:

CORE: SVE-01

DEPLOYMENT: 8

INTERVAL: 0.0-0.1 FT





PHOTO 2:

CORE: SVE-01

DEPLOYMENT: 8

INTERVAL: 0.1-0.3 FT



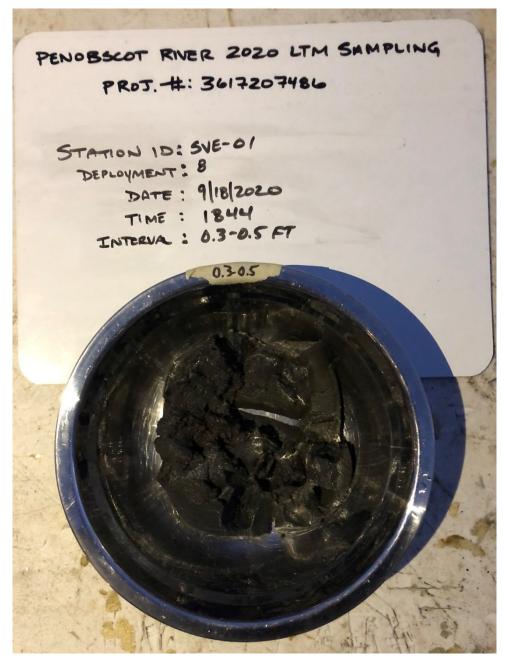


PHOTO 3:

CORE: SVE-01

DEPLOYMENT: 8

INTERVAL: 0.3-0.5 FT



APPENDIX B - 2.34

Station Summary – E-01-01



STATION SUMMARY						
Station ID: E-01-01	Core collection and sample processing date:	Written by:				
	19 Sept 2020	C. Lauback				
Analytes: Total Mercury, Methyl Mercury, To	Checked by:					
Laboratory: Eurofins		B. Weyer				

A – E-01-01 Collection Overview

On Saturday, September 19, 2020, Wood scientists cored station E-01-01 in the Fort Point Cove reach between 9:43am and 10:00am aboard the *R/V Tesla*. The weather was clear with temperatures in the 40's (°F) and 5-knot winds from the North. Sea conditions were mild, with a wave height of 0.5-1.0-ft, providing acceptable conditions for the vessel to hold on location for sampling. A box corer was utilized for sediment collection. Sediment was sampled from the box corer by 1-ft hand push cores with 3-in diameter acetate liners. One (1) deployment of the box corer was attempted at E-01-01 to obtain two (2) 1-ft hand push cores, designated in the field as E-01-01-A and E-01-01-B. Cores were preserved on wet ice, while awaiting to be processed. Two cores were collected at this location in case sample integrity of a single core were to become compromised between collection and processing.

B – Field Data Records

See the field forms (Attachment B) for additional information on deployment(s) and cores at station E-01-01.

C - Deployment Accuracy - GPS Locations

As shown in the Deployment Locations Figure (Attachment C), the location of station E-01-01 represents the single deployment of the box corer. The deployment represented a non-vegetated subtidal zone accessible at any time within the Fort Point Cove reach.

D – Processing Overview

Same-day processing was performed on E-01-01-A and E-01-01-B by Wood scientists at the Wood Field Station, Winterport, Maine. Cores E-01-01-A and E-01-01-B, designated during processing as E-01-01 and E-01-01_DUP, were sampled at pre-designated intervals (0.0-0.1-ft, 0.1-0.3-ft, and 0.3-0.5-ft) by extruding a single interval at a time. The extruder and tools used for extrusion were decontaminated between intervals. Each interval was placed into a stainless-steel bowl, homogenized and aliquoted for analyses of total mercury, methyl mercury (0.0-0.1-ft and 0.1-0.3-ft intervals only) and total organic carbon (TOC). Station E-01-01 was used for laboratory duplicate analyses.

The appearance and textural properties of each push core were described using the Unified Soil Classification (USCS).

Sediment Core Logs are attached (See Attachment B).

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E-01-01

Push core E-01-01 had an acceptable recovery over 0.5-ft.

- 0.0 0.1 ft: dark olive gray (5Y 3/2) clayey organic-like SILT, some organic-like leafy detritus, homogenous, non-plastic: ALLUVIUM
- 0.1 0.3 ft: very dark gray (5Y 3/1) silty CLAY, homogenous, trace wood chip, non- to low plasticity: ALLUVIUM
- 0.3 0.5 ft: very dark gray (5Y 3/1) silty CLAY fining downward, homogenous, no wood chip, low to medium plasticity: ALLUVIUM
- 0.5 0.65 ft: very dark gray (5Y 2.5/1) silty CLAY with trace fine fibrous root-like material, homogenous, medium plasticity: ALLUVIUM

E-01-01_DUP

Push core E-01-01_DUP had acceptable recovery over 0.5-ft.

- 0.0 0.1 ft: dark grayish brown (2.5Y 4/2) organic-like clayey SILT with minimal organic-like detritus and isolated black (2.5Y 2.5/1) SILT, non-plastic: ALLUVIUM
- 0.1 0.3 ft: dark olive gray (5Y 3/2) CLAY and SILT, some isolated horizons of black (5Y 2.5/1) SILT, low plastic: ALLUVIUM
- 0.3 0.5 ft: dark gray (5Y 4/1) silty CLAY with some isolated black (5Y 2.5/1) CLAY-SILT horizons, medium plasticity: ALLUVIUM
- 0.5 0.6 ft: black (5Y 2.5/1) SILTY-CLAY, organic-like, homogenous, medium to low plasticity: ALLUVIUM

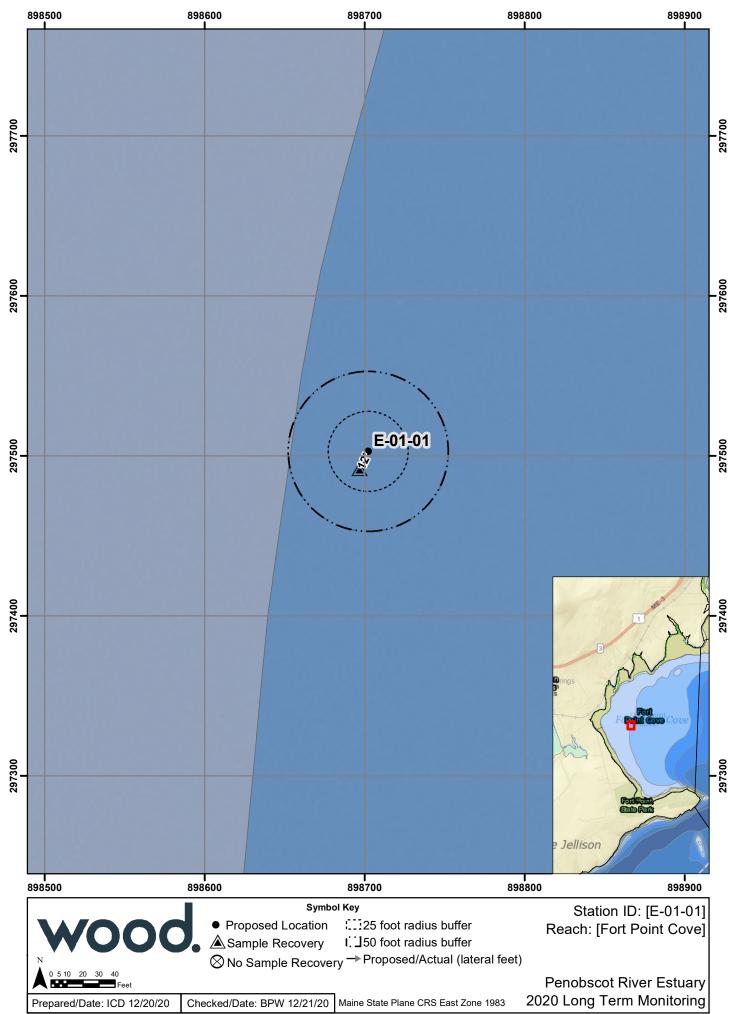
E - Photolog

The photo log, included as Attachment D, presents photos of each sample, post homogenization and pre-aliquoting for analytical samples.

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wood.	nobscot River Mercury	y Study - Ph	ase III Engin	eering Evaluation
	SE	DIMENT CO	RE LOG	
Owner: USD C	Project No.:	361720	Log	ger: C.LAUBACK
Sub: AS1	, wo: -			v: B. WEYER
,,,	Date: 9/19/20	Time	0956 Ves	sel: PUTESLA
Coordinates: Lat 44.48234	49 Long -68	.827820		Volume: 0. 140gal
Sampling Station: FOI-O		Deploy No	. 1	Sub-tidal Location?
Weather: CLBAZ, 40s Winds: 5	MpN Waters: 0.5	5-1.01	Traffic:	Water Temp:
Measured Water Depth [NAVD88]	: 12.0	Core I	Penetration Leng	th (ft.): 0 , 40
Correction to NAVD88 (+/- ft. from	n			0 . –
NAVD88)			ered Core Leng	
Mudline (Corrected Depth) @ NAVD88			e Length Retaine	
Study Depth (-NAVD88)	- 1		e Core (80% reco	
Required Penetration Length		And the second second	/olume Retained	(gal.): 0.140 gal
	Length Measuremen	ts are in De	cimal Feet	
Sample Interval (ft.)	Sample Id #	ONEY MILL	Descrip	otion
0.0-0.1	00-01	RICH SOME	OSANIC-TIKE SIANICAINE	CLRYEY SILT -ORGANIK LEAFY DEKLITS, HOMOG- LLUVIUM
·	@1440	ENOUS, NO	M-PLASTIC, A	LLUNUM '
0.1-0.3	$\Omega I \Omega Z$			SILTY CLAY, HOMOGENOU
001 000	01903	ALLUNU	OUD CHIP, LO	W TO NON PLASTIC,
	@1443			
0.3-0.5	03-05	VERY DARK	- GRAY (5 Y 3	DSILTY CLAY FROM OVERLY ING MOGENOUS DID PLASTICITY,
0,00,00	0000	ALLOQUOT	(0.1-0.3), H	SWOR ENORS
	@1445	NO MOODE	HIP, MED TO L	ON PLASTICITY,
0.5-0.65		VERY DAZK	LGRAY (LJY3	I) SILTY (LAY WITH OT-LIKE MATERIAL
0,000,000	_		NOUS MED.	
		HLLUN	W,	** %L
	- 12NER			
	B. werest			
Bottom	9/22/2500			
Number of containers:			С	ore Volumes
Type of container: bucket	linar haz		Nominal core-ba	31.55 - 4.1
Liner Type:	liner bag jar Vibracorer: (BCX	other	diameter 4.0"	EST. Volume .50gal/ft
ACETATE	Push Corer	Slambar	3.5"	.33gal/ft
Live Organisms present NO		Com	ments	
Oil-Like Present NO	A	9		MATAN
Odor Present VES Debris Present NO	-COLLECTED DU			
	-5ULFUR-LIK	LE ODOY	L INCREASE	s donnate
Photo Numbers B.WEYER QUILLED 10				
B. WE 12020				
9/24				

Pen	obscot Riv	er Mercury	Study - Ph	ase III End	aineering	g Evaluation	
wood.		-	DIMENT CO	,		,	
Owner: VSDC Sub: 1451	Date: 9/10		36172074	186	Crew: P	LAUBALK S. WEYER U TESLA	
Coordinates: Lat 44.482349	CONTRACTOR OF THE PARTY OF THE	CONTRACTOR STREET	827820	Karamana ka		10 (230K	
Sampling Station: E-O\-O	1_DUP		Deploy No.	1	Sub-ti	dal Location? YES	
Weather: CLERL, 405 Winds: 51	Nov	Waters: 0 . 5	5-1.01	Traffic: No	ONE	Water Temp: —	
Measured Water Depth [NAVD88]:	12.0	A HUMBA E A DE INELES IN ILLIANS	Core F	Penetration L	ength (ft.):	0.70	
Correction to NAVD88 (+/- ft. from NAVD88):			Recov	ered Core L	ength (ft.):	0.6	
Mudline (Corrected Depth) @ NAVD88:				e Length Ret			
Study Depth (-NAVD88):				e Core (80%			
Required Penetration Length:	0.5		Core \	/olume Retai	ined (gal.):	0.140gal	
All	Length Me	asuremen	ts are in De	cimal Fee	t		
Sample Interval (ft.)	Samp	ole Id#		, De	scription		
Top 0.0 -0.1'	00.	-01 145	DARKGRAYISH BROWN (2.54)CLAY WITH ORGANIC SILT AND TO CLAY WITH NINIMAL ORANIC-LIKE DETRITIS AND ISOLATED BLACK SILT (2.5Y 2.5/1) NON PLASTIC ALLUNG				
0.1`-0,3`	01-	03	DARK OLI SOME 150 (5Y 2.5/1) L	LATED MO LATED MO LOW PLAST	5Y 3/2) () RIZON! IC ALLUV	CLAY AND SILT, S OF BLACK SILT	
6.3-0.5	03-	-05 449	(54 2.5/1) MED PLAS	STIC, ALL		
0.5'-0.6'	-	_	BLACK C5 RICH, HO ALLUVIO	Y 2.5/2)? MOGENIOU? M	MED.	AY, ORGANIC LOW PLASTIC	
Bottom	B.W.	where	>				
Number of containers:		/			Core Vo	olumes	
Type of container: bucket	liner bag	jar	other	Nominal co diameter	re-barrel	EST. Volume	
Liner Type:	Vibracorer:	Jui	30%	4.0"		.50gal/ft	
ACETATE	Push Corer		Slambar	3.5"	WAR TO SEE SEE SEE	.33gal/ft	
Cil-Like Present NO Oil-Like Present NO Odor Present YES Debris Present NO Photo Numbers	-ORGAN		Con	nments			
8.9/22/200							





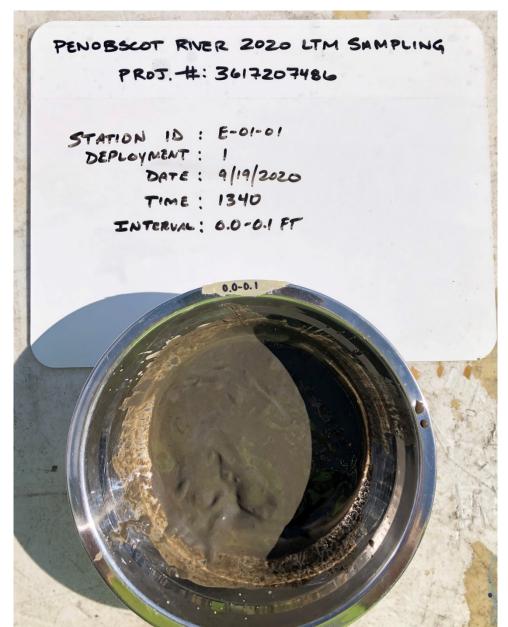


PHOTO 1:

CORE: E-01-01

DEPLOYMENT: 1

INTERVAL: 0.0-0.1 FT

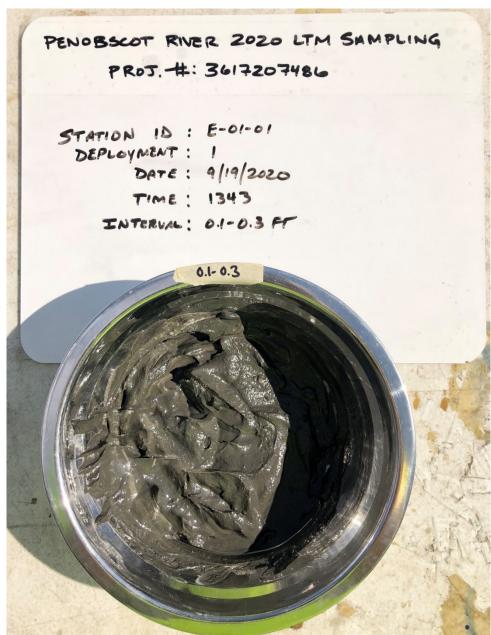


CORE: E-01-01

PHOTO 2:

DEPLOYMENT: 1

INTERVAL: 0.1-0.3 FT





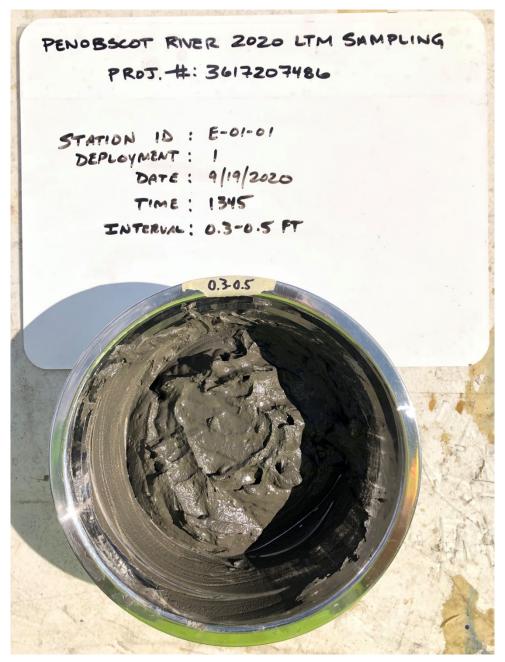


PHOTO 3:

CORE: E-01-01

DEPLOYMENT: 1

INTERVAL: 0.3-0.5 FT



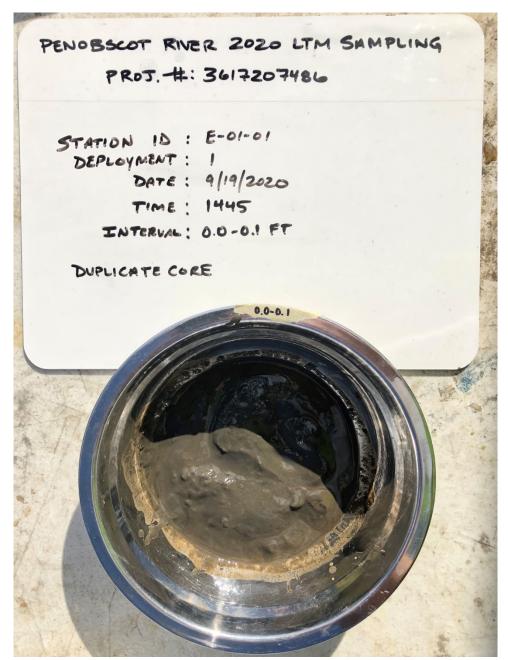


PHOTO 4:

CORE: E-01-01_DUP

DEPLOYMENT: 1

INTERVAL: 0.0-0.1 FT



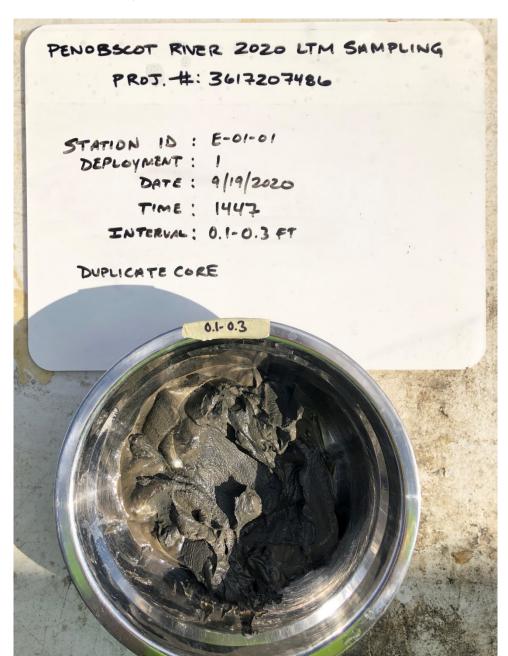


PHOTO 5:

CORE: E-01-01_DUP

DEPLOYMENT: 1

INTERVAL: 0.1-0.3 FT



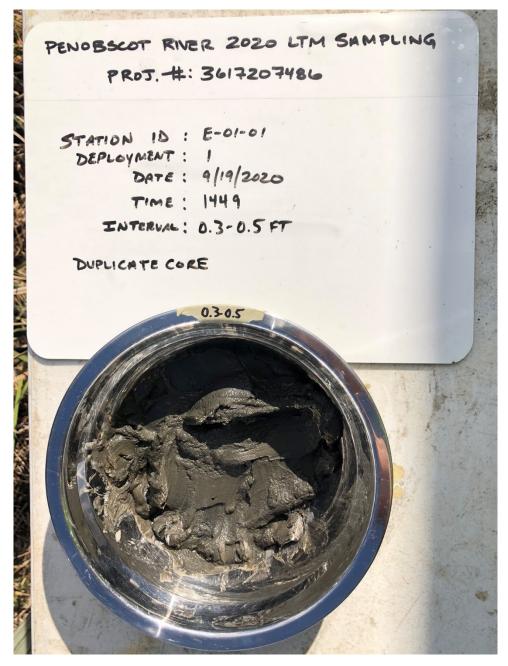


PHOTO 6:

CORE: E-01-01_DUP

DEPLOYMENT: 1

INTERVAL: 0.3-0.5 FT



APPENDIX B - 2.35

Station Summary – E-01-03



STATION SUMMARY				
Station ID: E-01-03	Core collection and sample processing date: Written by			
	19 Sept 2020	C. Lauback		
Analytes: Total Mercury, Methyl Mercury, Total Organic Carbon		Checked by:		
Laboratory: Eurofins		B. Weyer		

A – E-01-03 Collection Overview

On Saturday, September 19, 2020, Wood scientists cored station E-01-03 in the Upper Penobscot Bay reach between 10:00am and 10:23am aboard the *R/V Tesla*. The weather was clear with temperatures in the 40's (°F) and 5-knot winds from the North. Sea conditions were smooth, with a wave height of 0.5-1.5-ft, providing acceptable conditions for the vessel to hold on location for sampling. A box corer was utilized for sediment collection. Sediment was sampled from the box corer by 1-ft hand push cores with 3-in diameter acetate liners. One (1) deployment of the box corer was attempted at E-01-03 to obtain two (2) 1-ft hand push cores, designated in the field as E-01-03-A and E-01-03-B. Cores were preserved on wet ice while awaiting to be processed. Two cores were collected at this station in case sample integrity of a single core were to become compromised between collection and processing.

B – Field Data Records

See the field forms (Attachment B) for additional information on deployment(s) and cores at station E-01-03.

C – Deployment Accuracy - GPS Locations

As shown in the Deployment Locations Figure (Attachment C), the location of station E-01-03 represents the single deployment of the box corer. The deployment represented a non-vegetated subtidal zone accessible at any time within the Upper Penobscot Bay reach.

D – Processing Overview

Same-day processing was performed on E-01-03-A by Wood scientists at the Wood Field Station, Winterport, Maine. Core E-01-03-A, designated during processing as E-01-03, was sampled at pre-designated intervals (0.0-0.1-ft, 0.1-0.3-ft, and 0.3-0.5-ft) by extruding a single interval at a time. The extruder and tools used for extrusion were decontaminated between intervals. Each interval was placed into a stainless-steel bowl, homogenized and aliquoted for analyses of total mercury, methyl mercury (0.0-0.1-ft and 0.1-0.3-ft intervals only) and total organic carbon (TOC).

The appearance and textural properties of the push core was described using the Unified Soil Classification (USCS). There was a sulfur-like odor present noted during processing, which increased downcore.

Sediment Core Logs are attached (See Attachment B).

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E-01-03

Push core E-01-03 had an acceptable recovery over 0.5-ft.

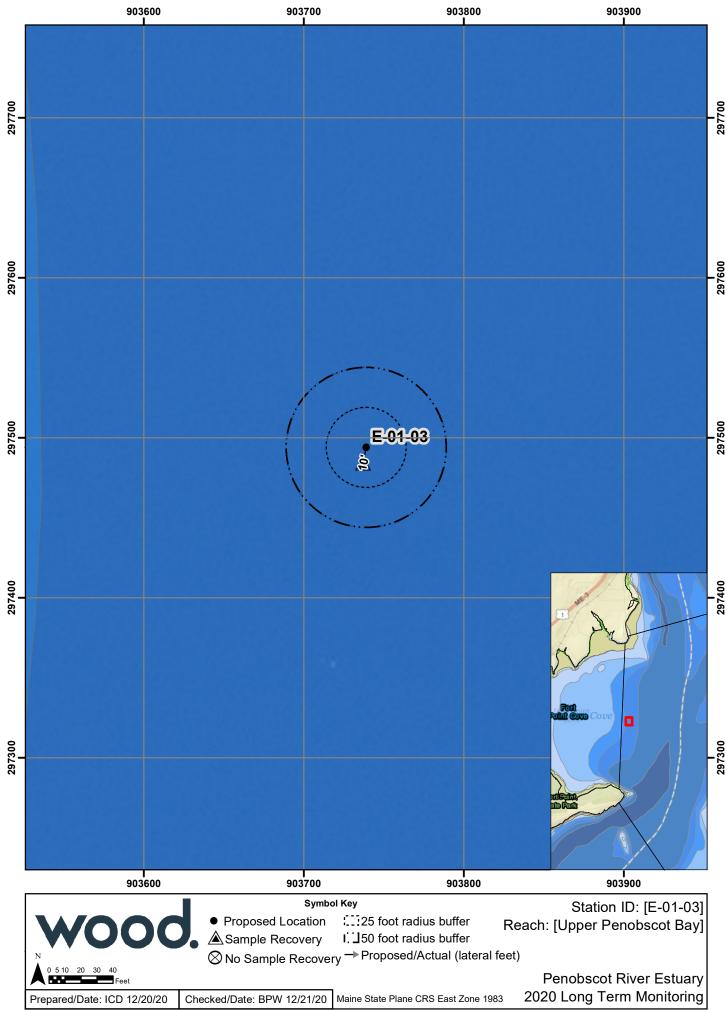
- 0.0 0.1 ft: olive gray (5Y 4/2) organic-like SILT, homogenous, trace organic-like medium sand-sized detritus, non-plastic: ALLUVIUM
- 0.1 0.3 ft: very dark greenish gray (GLEY 1 2.5/10GY) clayey SILT, homogenous, with trace medium sand-sized organic-like detritus, low plasticity: ALLUVIUM
- 0.3 0.5 ft: very dark greenish gray (GLEY 1 2.5/10GY) CLAY-SILT with isolated fine horizons of black (5Y 2.5/1) organic-like SILT homogenous, low plasticity: ALLUVIUM
- 0.5 0.59 ft: very dark greenish gray (GLEY 1 2.5/10GY) clayey SILT, organic-like, trace very fine clastic sands, low plasticity: ALLUVIUM

E – Photolog

The photo log, included as Attachment D, presents photos of each sample, post homogenization and pre-aliquoting for analytical samples.

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Penobscot River Mercury Study - Phase III Engineering Evaluation							
SEDIMENT CORE LOG							
Owner: USDC Sub: AS I	Project No.: 1 WO: — Date: 9 9 20	36172074	Crew: B.	LAUBACK WEYER VTESLA			
Coordinates: Lat 44.48238		8.80850		ne: 0.140gal			
Sampling Station: E-01-03 Deploy No. \ Sub-tidal Location? YES							
Weather: CLEAR, 40s Winds: 5	mp\ Waters: () . 5	5-1.5	Traffic: NONE	Water Temp: —			
Measured Water Depth [NAVD88]: 29.2 Core Penetration Length (ft.): 1,0							
Correction to NAVD88 (+/- ft. from NAVD88)		Recovered Core Length (ft.): 0.59					
Mudline (Corrected Depth) @ NAVD88	Sample Length Retained (ft.): 0,5						
Study Depth (-NAVD88):	Acceptable Core (80%-recovery): VES						
Required Penetration Length:							
All Length Measurements are in Decimal Feet							
Sample Interval (ft.)	Sample Id #		Description				
Top 0.0'-0.1'	00-01 @1515	HOMOGENON SIZED DET	Y (5 Y 4/z) ORGANI S, TRACE ORGANI R(TS, NON-PLASTI	C-LIKESILT, L-MED SAND			
0.1-0.3'	01-03 @1517 03-05 @1519	VERY DARK GREENISHGRAY (GLEY 1 2.5/1 104) CLRYEY SILT HOMOGENOUS, WITH TR MED. SANDSIZED CZG, ANIC DETRITIS, LOWPLASTIC ALLUNUM. VERY DARK GREENISH GRAY (GLEY 1 2.5/1 104) CLAY-SILT WITH ISOLATED FINEHORIZON OF BLACK (5 Y 2.5/1) SILT (ORGANICRICH) HOMOGENOUS PAR PLASTIC, ALLUNUM VERY DARK GREENISH GRAY (GLEY 1 2.5/1 104) CLAYEY SILT, ORGANIC RICH, TRACE URY FINE CLASTIC SANDS, 20WPLASTICITY, ALLUNUM					
Bottom	B. WEYER 9/22/2020						
Number of containers:	Co		Core V	olumes			
Type of container: bucket	liner bag jar	other	Nominal core-barrel diameter	EST. Volume			
Liner Type: ACETATE	Vibracorer: (Box		4.0"	.50gal/ft			
	Push Corer	Slambar	3.5"	.33gal/ft			
Oil-Like Present NO Odor Present YES Debris Present NO Photo Numbers	BIWLUS & FO Chalalso						
B. WEYER	-SULPUR -LIKE	000R IN(REASES DOWN	ICORE			





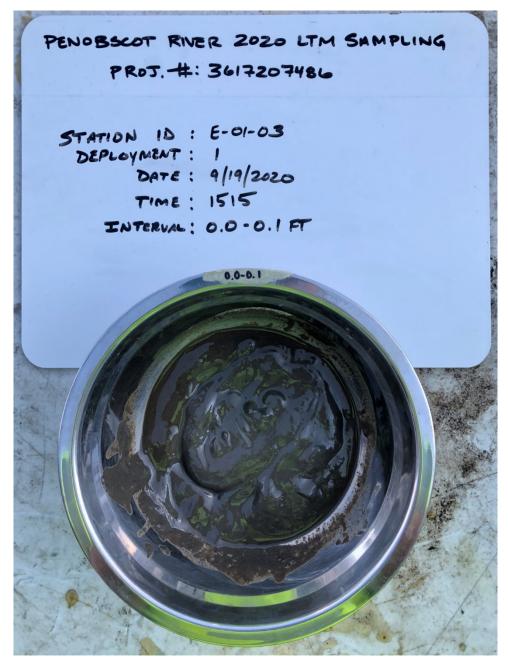


PHOTO 1:

CORE: E-01-03

DEPLOYMENT: 1

INTERVAL: 0.0-0.1 FT



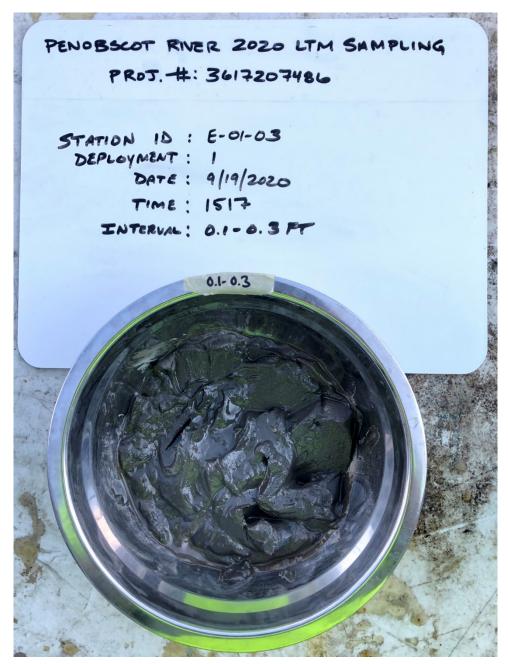


PHOTO 2:

CORE: E-01-03

DEPLOYMENT: 1

INTERVAL: 0.1-0.3 FT



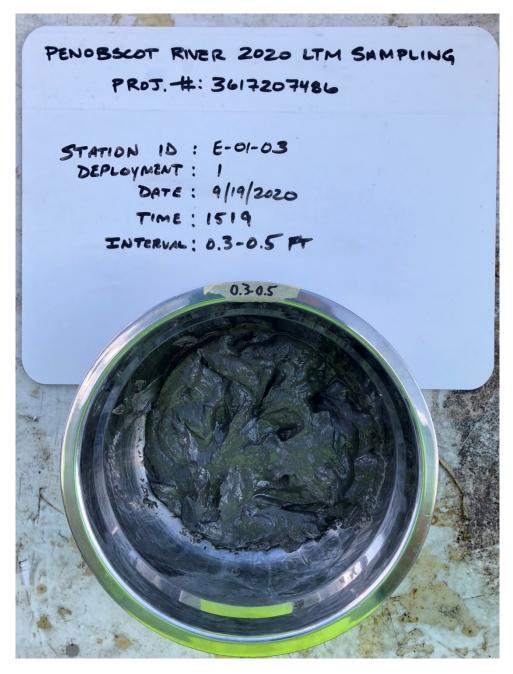


PHOTO 3:

CORE: E-01-03

DEPLOYMENT: 1

INTERVAL: 0.3-0.5 FT



APPENDIX B - 2.36

Station Summary – E-01-04



STATION SUMMARY						
Station ID: E-01-04	Core collection and sample processing date:	Written by:				
	19 Sept 2020	C. Lauback				
Analytes: Total Mercury, Methyl Mercury, To	Analytes: Total Mercury, Methyl Mercury, Total Organic Carbon					
Laboratory: Eurofins		B. Weyer				

A – E-01-04 Collection Overview

On Saturday, September 19, 2020, Wood scientists cored station E-01-04 in the Upper Penobscot Bay reach between 10:23 am and 10:46 am aboard the *R/V Tesla*. The weather was clear with temperatures in the 50's (°F) and varying winds around 5-knot. Sea conditions transitioned from smooth to slight while set up on location, with wave heights between 0.5 and 2.5-ft, providing acceptable to marginal conditions for the vessel to hold on location for sampling. A box corer was utilized for sediment collection. Sediment was collected from the box corer by 1-ft hand push cores with 3-in diameter acetate liners. Three (3) deployments of the box corer were attempted at E-01-04 to obtain one (1) 1-ft hand push core, designated in the field as core E-01-04. Deployments one (1) and two (2) had insufficient recovery, though they did contain approximately 2-3 inches of sediment and large bivalve shell pieces. The core collected on deployment three (3) was preserved on wet ice while awaiting to be processed.

B - Field Data Records

See the field forms (Attachment B) for additional information on deployment(s) and cores at station E-01-04.

<u>C – Deployment Accuracy - GPS Locations</u>

As shown in the Deployment Locations Figure (Attachment C), the E-01-04 station deployments and final sampling location are within 25-ft of proposed. All deployments are representative of a non-vegetated subtidal zone accessible at any time in the Upper Penobscot Bay Reach.

D – Processing Overview

Same-day processing was performed on E-01-04 by Wood scientists at the Wood Field Station, Winterport, Maine. Core E-01-04 was sampled at pre-designated intervals (0.0-0.1-ft, 0.1-0.3-ft, and 0.3-0.5-ft) by extruding a single interval at a time. The extruder and tools used for extrusion were decontaminated between intervals. Each interval was placed into a stainless-steel bowl, homogenized and aliquoted for analyses of total mercury, methyl mercury (0.0-0.1-ft and 0.1-0.3-ft intervals only) and total organic carbon (TOC).

The appearance and textural properties of each push core was described using the Unified Soil Classification (USCS) for the entirety of the core. There was a sulfur-like odor present noted during processing, which increased downcore.

Sediment Core Logs are attached (See Attachment B).

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E-01-04

Push core E-01-04 had an acceptable recovery over 0.5-ft.

- 0.0 0.1 ft: olive gray (5Y 4/2) clayey SILT with some medium angular sands and small gravels, live organisms present, no plasticity: ALLUVIUM
- 0.1 0.3 ft: very dark gray (5Y 3/1) silty CLAY with some medium grained angular clastic sands, live organisms, trace organic-like detritus, low plastic: ALLUVIUM
- 0.3 0.5 ft: dark gray (2.5Y 4/1) silty CLAY with some coarse, sand-sized wood chip, trace coarse, angular, clastic sand which fines downward from overlying sediment, medium plastic: ALLUVIUM

E – Photolog

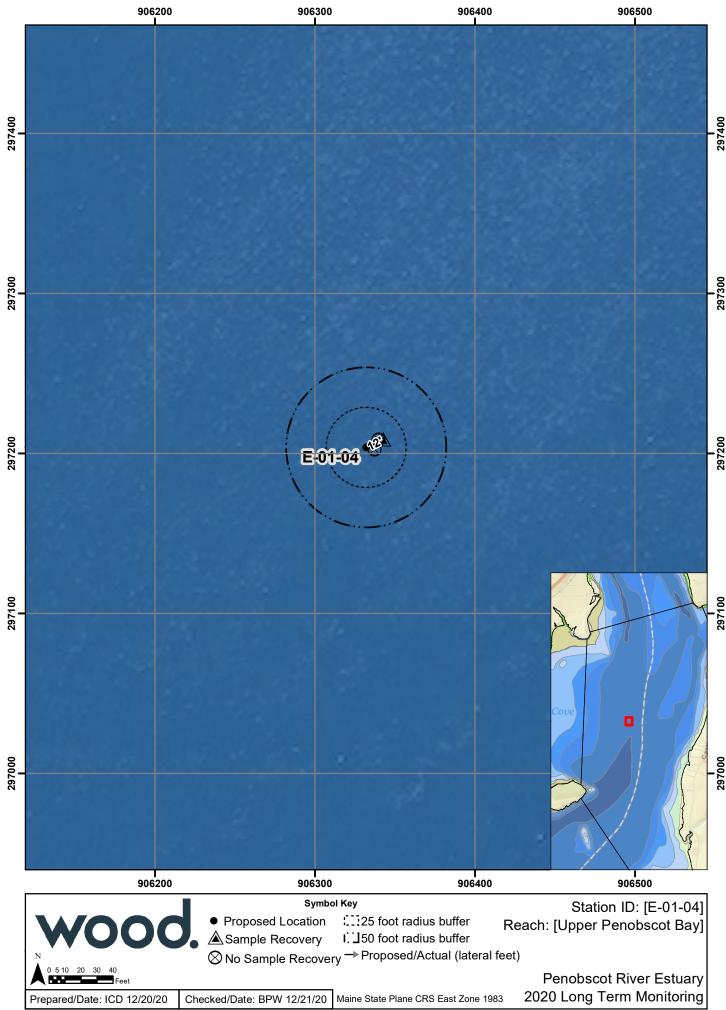
The photo log, included as Attachment D, presents photos of each sample, post-homogenization and pre-aliquoting for analytical samples.

Project No.: 3617207486 Page 2 March 2021

wood.	obscot Riv				ngineerin	g Evaluation
			DIMENT CO	ent and the particular and the second		\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \
Owner: USDC		Project No.:	36172074	86		.LAUBACK
Sub: AS 1		wo:		W 95	Crew: B	
	Date: 9 19		Time	1020	Vessel:	HV TESLA
Coordinates: Lat 44.481636		Long –6 8.	798540		Plan Volu	me: 0-140gal
Sampling Station: E-01-01	1	Garage State Control	Deploy No	. \	Sub-f	idal Location? YES
Weather: CLEAR, 505 Winds: 5	mph	Waters: 0.5	-2.0	Traffic: N	ONE	Water Temp:
Measured Water Depth [NAVD88]:	55.8		Core I	Penetration	Length (ft.)	: \
Correction to NAVD88 (+/- ft. from NAVD88)			Recov	ered Core	Length (ft.)	: 491
Mudline (Corrected Depth) @ NAVD88:			Sampl	le Length R	etained (ft.)	1/19/70
Study Depth (-NAVD88):			Acceptabl	e Core (80%	% recovery)	: \700
Required Penetration Length:	0.51		Core \	Volume Ret	ained (gal.)	:
All	Length Me	asurement	s are in De	cimal Fe	et	
Sample Interval (ft.)		le ld#		returned to the writing	escription	
Top						
	0	1 0/ /				
	1	£ 9/19/2				
		11110				
		_				· ·
						···
▼ Bottom						
Number of containers:			75			olumes /
Type of container: bucket	liner bag	jar	other	Nominal c	ore-barrel	EST. Volume
Liner Type:	Vibracorer:	BOX)	4.0	"	.50gal/ft
ACETATE	Push Corer		Slambar	3.5		.33gal/ft
Live Organisms present				nments		
Oil-Like Present	- 1015	MACIE	IENT P	ECOVE	RY	
Odor Present — Debris Present —	110	30 1110	ICINI			
164EK						
Photo Numbers B. WEYER 9/22/2020						

Wood. Penobscot River Mercury Study - Phase III Engineering Evaluation								
	SEDIMENT CORE LOG							
Owner: USDC			Project No.: 2	6172074	· ·	C. LAUBACK		
Sub: AS1		Date: 9 1	wo:			3. WEYER		
• • • • •	(Va.	Date: 9 1	1120	Time :	1033 Vessel:	KIVIESLA		
Coordinates: Lat 44.	481652	2	Long -68.	74 853	Plan Voli	ume: 0,140gal		
Sampling Station: F -	01-04	4		Deploy No.	Z Sub	-tidal Location? YES		
Weather CLEAR, 50s	Winds: 5	1900	Waters: 0.5	201	Traffic: NONE	Water Temp: —		
Measured Water Dep	oth [NAVD88]:	55-0		Core F	Penetration Length (ft.	.): 、		
Correction to NAVD8	38 (+/- ft. from					0,01		
	NAVD88):				ered Core Length (ft.	111120		
Mudline (Corrected Depth)					e Length Retained (ft			
Required Penetr	h (-NAVD88):		i.		e Core (80% recovery olume Retained (gal			
Required Period						7:		
Sample Interval		The state of the s	easurement	s are in De	Description			
Jop	(IL)	Salili	JIE IU #		Description			
			0.1					
			CL 9/10/	0-				
			7111	70				
			-,-,					
	4	3						
▼ Bottom								
					Core	Volumes		
Number of containers:					Nominal core-barrel			
Type of container: Liner Type:	bucket	liner bag Vibracorer:	jar	other	diameter 4.0"	EST. Volume .50gal/ft		
		Push Corer	(20 X)	Slambar	3.5"	.33gal/ft		
Live Organisms present				Con	nments			
Oil-Like Present	_	1						
Odor Present Debris Present		-INSU	FACIENT	T VOLUM	E OF SEDIM PREDUCE EL PIECES	IDNI;		
DI CALL		N7 -	3" INI Ar	X COPF	- PREDUCE	05		
- IER		122	CF DI	MITAI	AL DIFCES			
B. WEYER	ro	1,0	2- R11	140004	ELL PICT	. ~		

wood.	bscot Rive	r Mercury	Study - Phas	se III Engineering	Evaluation				
WOOO .		SEDIMENT CORE LOG							
Owner: USDC	Р	roject No.: 공	617207486		LAUBALL				
Sub: AS I	, , w	/O: —		Crew: B:	188				
וסי	Date: 9 19 2	0	Time :	006 Vessel:P	TESLA				
Coordinates: Lat 44.481653	L	ong –68 .	79.8519		e: 0.140gal				
Sampling Station: E-01-04			Deploy No.	Sub-tic	lal Location? YES.				
Weather: CLEAR, 50s Winds: 51	nph In	Vaters: 1.0	2.5	raffic: NONE	Water Temp: —				
Measured Water Depth [NAVD88]:	56.9		Core Pe	netration Length (ft.):	0.6				
Correction to NAVD88 (+/- ft. from NAVD88):			Recover	red Core Length (ft.):	0,55				
Mudline (Corrected Depth) @ NAVD88:			Sample	Length Retained (ft.):	0.5				
Study Depth (-NAVD88):				Core (80% recovery):					
Required Penetration Length:	0.5		Core Vo	lume Retained (gal.):	0.140 gal				
All	Length Mea	surement	s are in Dec	imal Feet					
Sample Interval (ft.)	Sample			Description					
Top ().0 - ().1	00	-O \	OLIVE GRAY SOME MEDIU	(54 412) CLRYEY S M ANGUZAR SAND	SASM-GRANDS.				
0.0 0.1	@155	50		MANGUAR SAND ITY LIVE ORGAN	ν.				
0100		7E8	VERY DARK	GRAY (5 Y 3/1) SI	LTYCLAY WITH				
0.1'-0.3'	01-	0.5	SOME MED	GRAINED ANGULE ORGANISMS, T	RRCLASTIC				
	C 15	52	DETRITIS LO	WPLASTIC ALLUV	UM				
63 65	4.5	2	DARKGRAY	(25Y 4/1) SILTY	CLAY, HIGHER				
0.3-0.5	05	00	RATIO OF CLA	Y TOSILT THAN O	VEILLYINGSON				
	(a) [2	554	COARSEAN	GULAR, CLASTICS	AND, MED PLASTI				
			ALLUMUN						
SIEN									
s. anton									
alzu			RWE	1812					
*			B WE	12000					
Bottom			- V		/al.umaa				
Number of containers:		(0		Nominal core-barrel	/olumes				
Type of container: bucket	liner bag	jar	other	diameter	EST. Volume				
Liner Type: ALETATE	Vibracorer:	BOX)	4.0"	.50gal/ft .33gal/ft				
RCE IMIE	Push Corer		Slambar	3.5"	1.33gai/it				
Live Organisms present YES			Com	nments	W BOX				
Oil-Like Present NO	-ABLE	TOGET	ont acell	ATTEMPTS	(1) 00/1				
Odor Present YES Debris Present NO	6076	CORE	OUT OF 2	ATTEMPTS					
Photo Numbers	-61112	1 ND -11V	FORCE I	NCREASES WIT	H DEPTH.				
15%	30 L1	UNILIN	0001						
B. Wallow									





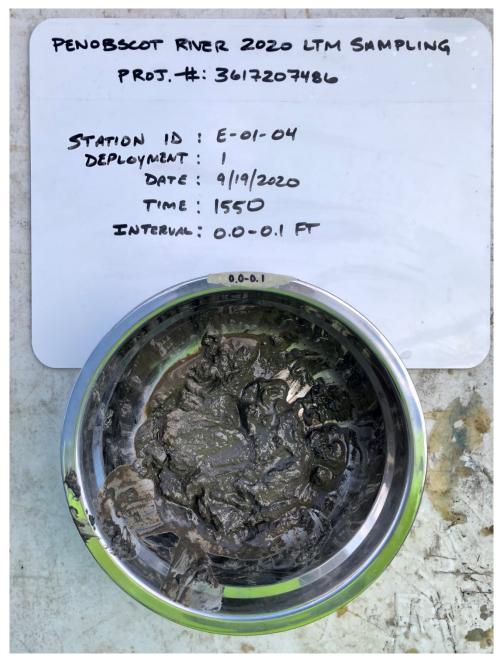


PHOTO 1:

CORE: E-01-04

DEPLOYMENT: 1

INTERVAL: 0.0-0.1 FT



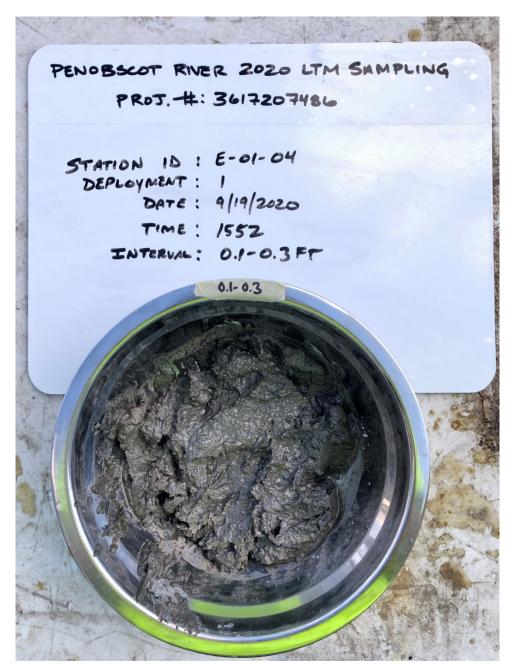


PHOTO 2:

CORE: E-01-04

DEPLOYMENT: 1

INTERVAL: 0.1-0.3 FT



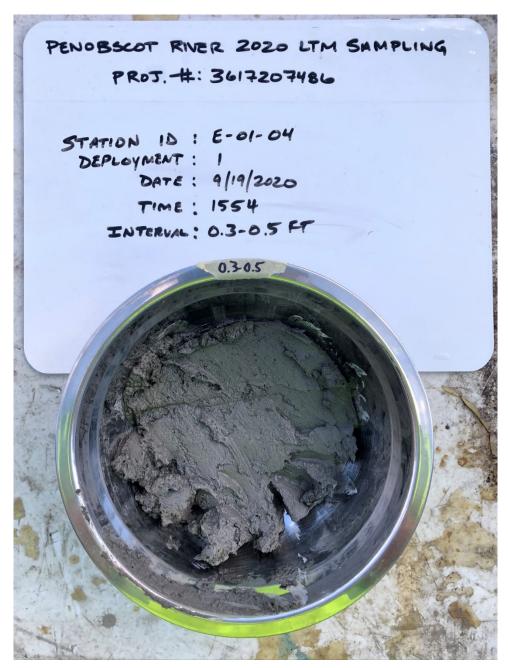


PHOTO 3:

CORE: E-01-04

DEPLOYMENT: 1

INTERVAL: 0.3-0.5 FT



APPENDIX B - 2.37

Station Summary – ES-FP



STATION SUMMARY							
Station ID: ES-FP	Core collection and sample processing date:	Written by:					
	19 Sept 2020	C. Lauback					
Analytes: Total Mercury, Methyl Mercury, To	Checked by:						
Laboratory: Eurofins		B. Weyer					

A – ES-FP Collection Overview

On Saturday, September 19, 2020, Wood scientists cored station ES-FP in the Fort Point Cove reach between 11:40am and 12:10pm aboard the *R/V Tesla*. The weather was clear with temperatures in the 50's (°F) and 5-knot winds. Sea conditions were smooth to slight, with a wave height fluctuating between 0.5 and 2.0-ft, providing acceptable to marginal conditions for the vessel to hold on location for sampling. A box corer was utilized for sediment collection. Sediment was sampled from the box corer by 1-ft hand push cores with 3-in diameter acetate liners. Six (6) deployments of the box corer were attempted at ES-FP to obtain one (1) 1-ft hand push core, designated in the field as ES-FP.

Station ES-FP was selected for biota co-locate sampling. Deployments one through three (1-3) were attempted at biota sampling location "ES-FP 20lt 202" resulting in insufficient recovery. The third deployment contained large quantities of rock cobbles, approximately 0.5-1.0-in diameter. With insufficient recoveries at the biota trap location, *R/V Tesla* relocated closer to the center of the river channel. Deployments four (4) and five (5) contained sediment, though insufficient volumes, subrounded cobbles, woody debris, and some small articulated bivalves (approximately 0.5-in in size). One push core was collected from the box core of deployment six (6).

B - Field Data Records

See the field forms (Attachment B) for additional information on deployment(s) and cores at station ES-FP.

C - Deployment Accuracy - GPS Locations

As shown in the Deployment Locations Figure (Attachment C), the six deployments of the box corer for station ES-FP are represented. The sampled location was collected at traps where biota collection was successful which may not represent the proposed coordinate location, resulting in sample collection occurring greater than 50 feet from the proposed coordinate. The deployments represent a non-vegetated subtidal zone accessible at any tide within the Fort Point Cove reach.

D – Processing Overview

Same-day processing was performed on ES-FP by Wood scientists at the Wood Field Station, Winterport, Maine. Core ES-FP was sampled at pre-designated intervals (0.0-0.1-ft, 0.1-0.3-ft, and 0.3-0.5-ft) by extruding a single interval at a time. Due to a total core length of 0.36-ft, the sample collected at the pre-designated interval of 0.3-0.5-ft interval was limited to 0.30-0.36-ft. The extruder and tools used for extrusion were decontaminated between intervals. Each interval was placed into a stainless-steel bowl, homogenized and aliquoted for analyses of total mercury, methyl mercury (0.0-0.1-ft and 0.1-0.3-ft intervals only) and total organic carbon (TOC).

Project No.: 3617207486 Page 1 March 2021



The appearance and textural properties of each push core was described using the Unified Soil Classification (USCS).

Sediment Core Logs are attached (See Attachment B).

ES-FP

Push core ES-FP had a recovery less than the proposed 0.5-ft.

- 0.0 0.1 ft: dark olive gray (5Y 3/2) sandy SILT, trace articulated bivalves (0.03' 0.05'), minimal coarse clastic sands, organic silts, trace wood chip, low to non-plastic: ALLUVIUM
- 0.1 0.3 ft: dark greenish gray (GLEY 1 4/1 10Y) silty fine SAND, trace organic-like material, trace coarse angular clastic sand, low plasticity: ALLUVIUM
- 0.3 0.36 ft: dark greenish gray (GLEY 1 4/1 10Y) fine sandy SILT with one large piece of woody debris, low plasticity: ALLUVIUM

E – Photolog

The photo log, included as Attachment D, presents photos of each sample, post homogenization and pre-aliquoting for analytical samples.

Project No.: 3617207486 Page 2 March 2021

wood.	Pei	nobscot Ri			0.34	neerin	g Evaluation
2 1200				DIMENT CO	12.1		
Owner: \\\$\mathbb{G}\tag{\mathbb{C}}				36172074			LAUBACK
Sub: AS 1		ol.	wo:			iller.	WEYER
			20			ssel: P	V TESLA
Coordinates: Lat 44.6 Sampling Station: E	47012	7	Long -68	,807445	Pla	an Volur	me: 0.140gal
				. \	Sub-ti	dal Location? YES	
Weather:CLEAR, 505	Winds: 5	smph .	Waters: 1	251	Traffic: NONE	5	Water Temp: —
Measured Water De	pth [NAVD88	:		Core	Penetration Len	gth (ft.):	8
Correction to NAVD	88 (+/- ft. fror NAVD88			200	vered Core Len		01
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Study Dep	th (-NAVD88)	:			e Core (80% re		
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	-						
▼ Bottom							
Number of containers:					Nominal core-b	Core Vo	olumes
Type of container:	bucket	liner bag	jar	other	diameter	Jarrei	EST. Volume
Liner Type:		Vibracorer: Push Corer	(Box		4.0"		.50gal/ft
W 7 (28)		Push Corer		Slambar	3.5"		.33gal/ft
Live Organisms present Oil-Like Present		-		Con	nments		
Odor Present		-1 NSUFF	ICLENT?	SFDIMENT	FUOLUME		101
Debris Present		15/1	2011	OTICTE	050m 35	DOG	FD "R-FP"
Photo Numbers		- LOCA	MON A	(17) (20) (G	NHYON	0100	
Cralia)	To	4 OT SAM	ULE WS	TAB	10TA -C	OL C	ED, "ES-FP"

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wood.	nobscot Riv		/ Study - Ph DIMENT CC			g Evaluation
Owner: USDC			36172074			IMRNI
Sub: Ne l		150	56176017	100		LAUBAUC
Sub. 151	Date: 9/10	wo: —	T:	11.0		WEYER
1811111111					Vessel: 7	da a series a series a series a series a series a series a series a series a series a series a series a series
Coordinates: Lat 44.46189	12	Long - 68	3.80734	15	Plan Volun	ne: 0.140ga1
Sampling Station: ES FR #			Deploy No	. 2	Sub-ti	idal Location? YES
Weather: CLEAR 50S Winds: 5	wor	Waters: 6.5	,-1.0	Traffic: N	JONE	Water Temp: —
Measured Water Depth [NAVD88	73.9		Core	Penetration	Length (ft.):	
Correction to NAVD88 (+/- ft. fro						101
NAVD88 Mudline (Corrected Depth) @ NAVD8			1200		Length (ft.):	1111/0
					Retained (ft.):	
Study Depth (-NAVD88	00 - 1				% recovery):	
Required Penetration Lengtl				CONTRACTOR OF STREET	tained (gal.):	
	II Length Me	North Control of the Section of the	ts are in De	cimal Fe	et	
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DOLLOTT						
Number of containers:				Nominal co	Core Vo	olumes T
Type of container: bucket	liner bag	jar	other	diameter	Ore-parrer	EST. Volume
Liner Type:	Vibracorer:	(BOX)	Total Control of the	4.0"		.50gal/ft
	Push Corer		Slambar	3.5"		.33gal/ft
Live Organisms present				nments	4	
Oil-Like Present Odor Present	-Loca	A NOTH	DIUSTED	FOR "	BIOTA	CO-LOLATE
Debris Present —	-1					Z,
Photo Numbers	-IN 20	MISIDIA	7 FECC	JURK 1		

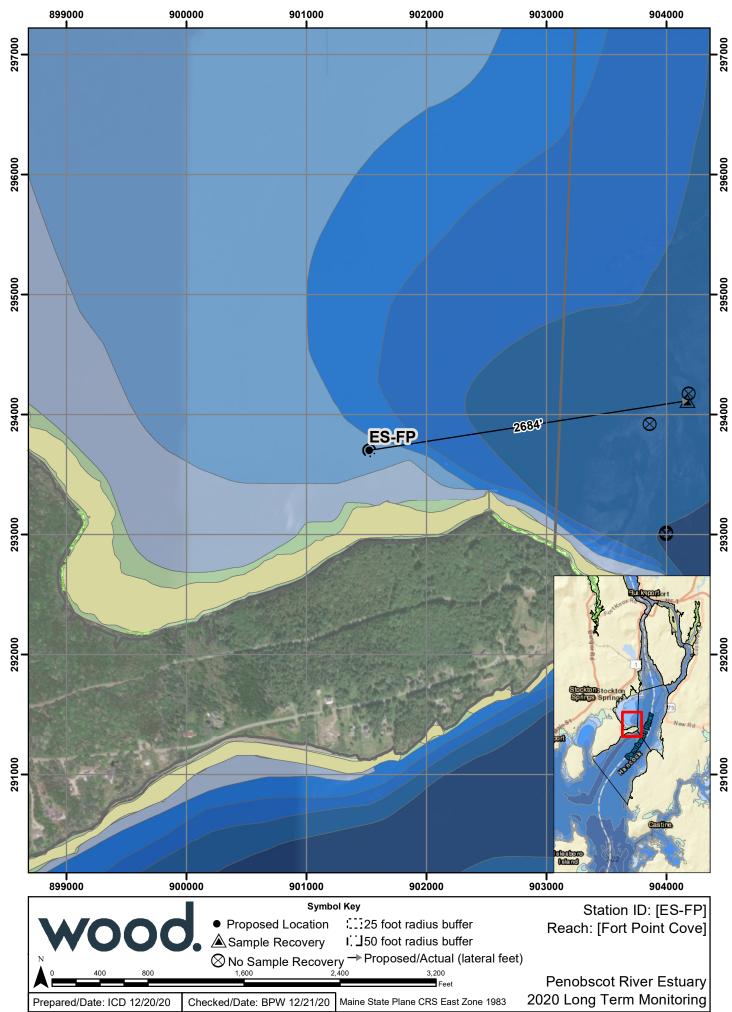
wood.	nobscot Ri	obscot River Mercury Study - Phase III Engineering Evaluation							
1,000			DIMENT CO						
Owner: USDC		Project No.:	36172074	86	Logger: (LAUBACK			
Sub: ASI	al	wo:			Crew: B.W				
	Date: 9(1	9/20		:1103	Vessel: P	VTESLA			
Coordinates: Lat 44.4700			8.807451		Plan Volume	: 0-140gal			
Sampling Station: ES - FP - 2	°011202	胃を2120	Deploy No	\mathcal{E}_{\cdot}	Sub-tida	Location? YES			
Weather: CLERR_50s Winds:	SMON	Waters: 0	5-1.0	Traffic: N	NE V	Vater Temp:			
Measured Water Depth [NAVD8	8]: 71.0		Core	Penetration	Length (ft.):				
Correction to NAVD88 (+/- ft. fro NAVD8				vered Core		C al .			
Mudline (Corrected Depth) @ NAVD8				le Length Re		1/19/20			
Study Depth (-NAVD8	3):			le Core (80%	The state of the s	1			
Required Penetration Leng	th: 05			Volume Reta					
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Bottom									
Number of containers:				T-7 million	Core Volu	mes			
				Nominal co		11100			
Type of container: bucket Liner Type:	liner bag Vibracorer:	jar	other	diameter 4.0"		ST. Volume			
	Push Corer		Slambar	3.5"		0gal/ft 3gal/ft			
Live Organisms present			Con	nments					
Odes Present	7-101512	FICIEN	TRECOV	BRY LAT	ZCNE DUT	ATMES			
Odor Present — Debris Present —			DULES(O.						
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EYER	-LOCA	4 NOT	MUSTED	HOW	PK01036	D, "ESTP"			
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QC CHECK BY B. 600 9/22/2020

wood.	Penobscot River Mercury Study - Phase III Engineering Evaluation									
1,500						DRE LOG				
Owner: USDC				10.: 361	720748	56		L-LAUBACK		
Sub: AS1		ماء	wo: -			1		MEYER		
		Date: 9/10			Time	: 1[15	Vessel: R	/V TESLA		
Coordinates: Lat 44.			Long 🤜 (AT	Plan Volu	1me: 0_14ga1		
	T	P-MD	Sec. 19. 19. 19. 19. 19. 19. 19. 19. 19. 19			4	Sub-	tidal Location?		
Weather: CLDAR 50s	Winds: E	SWBN	Waters:	0,5-	1.5	Traffic: N	LONE	Water Temp:		
Measured Water De					Core F	Penetration	Length (ft.)): \		
Correction to NAVD	088 (+/- ft. from NAVD88)				Recov	ered Core	l enath (ft	Clay		
Mudline (Corrected Depth						le Length Re		(114)		
Study Dep	th (-NAVD88)):		1		e Core (80%		100		
Required Penel		1				Volume Reta				
	All	Length Me	easurem	nents a	re in De	cimal Fe	et			
Sample Interval		1 V 7/1 TY	ple ld#			A STATE OF THE PARTY OF THE PAR	escription			
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		_	2/14/00							
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Bottom										
Number of containers:				-		Nominal co	751-253202 00	olumes		
Type of container:	bucket	liner bag	jar		other	diameter	ore-parrer	EST. Volume		
Liner Type:		Vibracorer: Push Corer		Slan		4.0" 3.5"		.50gal/ft		
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Live Organisms present Oil-Like Present	_					nments				
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Debris Present Photo Numbers		SEDIMI	ENIT I	W SI	MINTE	DED CORR	IES A	ND WOODY		
Thoto Numbers		DEBY	215	-1	o Foor			100		
B. Wey 120	20									
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wood.	Penobscot River Mercury Study - Phase III Engineering Evaluation								
			DIMENT CO			11.66			
Owner: USDC		Project No.:	3617207481	-	Logger: 🖰 .				
Sub: ASI	al.	wo:		E 25	Crew: B.\	7			
	Date:	9/20	Time:		Vessel: K	VTESLA			
Coordinates: Lat 44.473310 Sampling Station: ビターテアー		Long ~68.8	306748	9/19/20	Plan Volum	ne: 0,140ga1			
Sampling Station: ES-FP-	MID BW	9 22/20	Deploy No.	\$ 5	Sub-tic	dal Location? Y∈S			
Weather: CLEAC, 505 Winds: 5		Waters: 0,5		Traffic: NC	ME	Water Temp: -			
Measured Water Depth [NAVD88]:			Core P	enetration L	enath (ft.):	\			
Correction to NAVD88 (+/- ft. from					3	C21.1			
NAVD88):				ered Core L		19/20			
Mudline (Corrected Depth) @ NAVD88:	8			e Length Ret					
Study Depth (-NAVD88):				Core (80%					
Required Penetration Length:	0.5'		Core V	olume Reta	ined (gal.):	7			
All	Length Me	asurement	s are in Dec	cimal Fee	t				
Sample Interval (ft.)	Samp	ole ld#		De	scription				
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		119/19/20							
	/	JL'11'1							
						1			
	li.								
♦ Bottom									
Number of containers:					Core Vo	olumes			
				Nominal co	re-barrel	EGT MAI			
Type of container: bucket Liner Type:	liner bag Vibracorer:	jar (Bo	other	diameter 4.0"		EST. Volume .50gal/ft			
Ептег туре.	Push Corer	(2)	Slambar	3.5"		.33gal/ft			
Live Organisms present			Con	nments	- Mary Manager				
Oil-Like Present	1								
Odor Present —	-1NS1	BINAEC	UT KECC	ivery,	APEW	INCHE?			
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I Pen	obscot Rive	r Mercury	Study - Ph	ase III Enginee	ering Evaluation			
wood.	-30000111110	2 202	DIMENT CO		g = valuation			
Owner: USDC	Project No.: 3617207486 WO:							
Sub: AC 1	,V	vo: —	m. m	Crew:	B. WEYER			
1/0/	Date: 9/19/2	20	Time:	Vesse	1: R/V TESLA			
Coordinates: Lat 44,443142		ona -68	806787	· Plan V	/olume: 0-140gal			
Sampling Station: ES-FP-	MIDCLAlia		Deploy No.	2 (n s	Sub-tidal Location? YES.			
Weather: CLEAR So's Winds: 5	ngh v	Vaters: 0.5	'-1.5'	Traffic: NoNE	Water Temp:			
Measured Water Depth [NAVD88]:	584	o Marceller autorities.	Core F	enetration Length	(ft.): 0. 40			
Correction to NAVD88 (+/- ft. from					(a) (a)			
NAVD88):		10-01-0-1-1-1		ered Core Length E Length Retained				
Mudline (Corrected Depth) @ NAVD88: Study Depth (-NAVD88):			1100	e Core (80% recov	112			
Required Penetration Length:					gal.): 0.101 qq (
				The second secon	341.).			
Valle applied a company of the property of	Length Mea	Cicker Stayon Sta	Electrical Transport					
Sample Interval (ft.)	Sample		DERY OLIVE	Descripti	SANDUSUT			
0.0:0.1	00 -0) (C	TR ARTICUL	ATEU BIVALVES	(0.03'-0.05'), MIN.			
	@16=	30	CHIP, LOI	NON-PE	(0.03'-0.05'), MIN. SILTS, TR WOOD ASTIC, ALLUVIUM			
6.1-0.3	01-0	7.5	DARKGRE	WISH GRAY (GLE	Y 1 4/110Y) SILTY			
0.1-0.5			LINE SILI	IV, TKACE OF	RANCINAZ CLASTY			
	@ 163	2	SAND, LOV	UDLASTIC, ALL	EGANIC-LIKE ANGULARCLASTK UNUM			
0.3-0.36	030 -	036	DARKGREE	NISHGRAY GLE	E 8/F(FOF			
000 000			MOODY - FIR	E DEBLIS , LOW	FY I 4/1 10Y) STETY 6/19 SE PIECE OF TRUSTIC, ALLUNUM			
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+								
Bottom	<u> </u>							
Number of containers: —		(_		re Volumes			
Type of container: bucket	liner bag	jar	other	Nominal core-bar diameter	rel EST. Volume			
Liner Type: ALETATE	Vibracorer:	BOX		4.0"	.50gal/ft			
	Push Corer	the section of the party	Slambar	3.5"	.33gal/ft			
Live Organisms present YES			Con	nments				
Oil-Like Present NO Odor Present YES	-C002'	DINATE	S IN TAR	BLET AND R	ECOPIFI ON			
Debris Present NO	ASI B	OATN	AMED SA	MP) ING STA-	TON "ES-FP-MID"			
Photo Numbers			2 0.13		11011 20717110			
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3. WEIET 2020								
910	l							





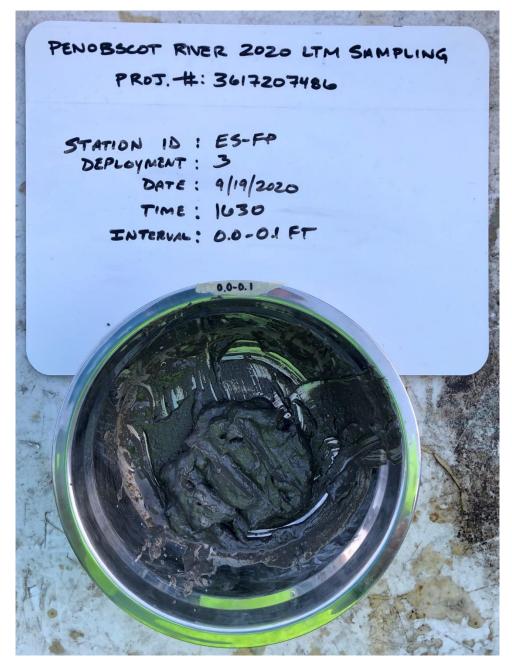


PHOTO 1:

CORE: ES-FP

DEPLOYMENT: 1

INTERVAL: 0.0-0.1 FT



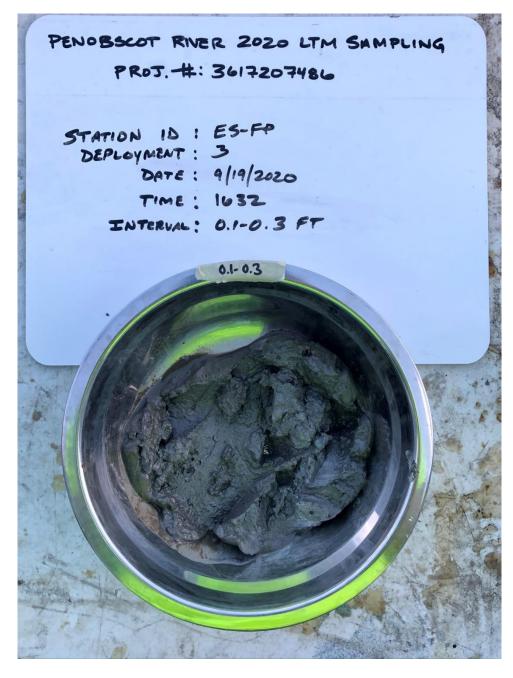


PHOTO 2:

CORE: ES-FP

DEPLOYMENT: 1

INTERVAL: 0.1-0.3 FT



PHOTO 3:

CORE: ES-FP

DEPLOYMENT: 1

INTERVAL: 0.3-0.5 FT

DATE: 9/19/2020

Interval not photographed



APPENDIX B - 2.38

Station Summary - CJ-04



STATION SUMMARY						
Station ID: CJ-04	Core collection and sample processing date:	Written by:				
	20 Sept 2020	C. Lauback				
Analytes: Total Mercury, Methyl Mercury, To	Checked by:					
Laboratory: Eurofins		B. Weyer				

A – CJ-04 Collection Overview

On Sunday, September 20, 2020, Wood scientists cored station CJ-04 in the Cape Jellison reach between 10:33am and 11:02am aboard the *R/V Tesla*. The weather was clear with temperatures in the 50's (°F) and varying winds ranging from 10 to 15-knots. Sea conditions were slight, with a wave height of 3.0-4.0-ft, providing marginal to poor conditions for the vessel to hold on location for sampling. A box corer was utilized for sediment collection. Sediment was sampled from the box corer by 1-ft hand push cores with 3-in diameter acetate liners. One (1) deployment of the box corer was attempted at CJ-04 to obtain one (1) 1-ft hand push core, designated in the field as core CJ-04. The core was preserved on wet ice while awaiting to be processed.

B - Field Data Records

See the field forms (Attachment B) for additional information on the deployment and core at station CJ-04.

C - Deployment Accuracy - GPS Locations

As shown in the Deployment Locations Figure (Attachment C), the location of station CJ-04 represents the single deployment of the box corer. The location was sampled at a location where biota collection was successful. The deployment represented a non-vegetated subtidal zone accessible at any time within the Cape Jellison reach.

D - Processing Overview

Same-day processing was performed on CJ-04 by Wood scientists at the Wood Field Station, Winterport, Maine. Core CJ-04 was sampled at pre-designated intervals (0.0-0.1-ft, 0.1-0.3-ft, and 0.3-0.5-ft) by extruding a single interval at a time. The extruder and tools used for extrusion were decontaminated between intervals. Each interval was placed into a stainless-steel bowl, homogenized and aliquoted for analyses of total mercury, methyl mercury (0.0-0.1-ft and 0.1-0.3-ft intervals only) and total organic carbon (TOC).

The appearance and textural properties of the push core was described using the Unified Soil Classification (USCS).

Sediment Core Logs are attached (See Attachment B).

Project No.: 3617207486 Page 1 March 2021



CJ-04

Push core CJ-04 had an acceptable recovery over 0.5-ft.

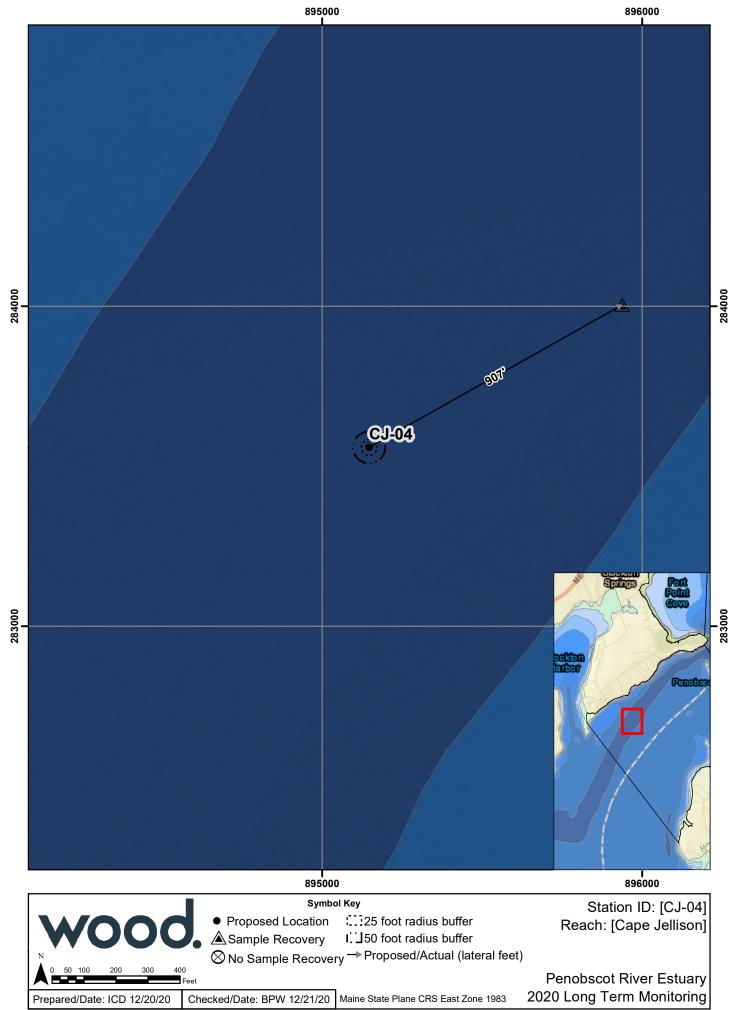
- 0.0 0.1 ft: dark gray-brown (2.5Y 4/2) CLAY and SILT, organic-like, non-plastic: ALLUVIUM
- 0.1 0.3 ft: very dark gray (2.5Y 3/1) CLAY and SILT, low plastic: ALLUVIUM
- 0.3 0.5 ft: very dark gray (2.5Y 3/1) SILT and CLAY, low to medium plasticity: ALLUVIUM

E – Photolog

The photo log, included as Attachment D, presents photos of each sample, post homogenization and pre-aliquoting for analytical samples.

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Penobscot River Mercury Study - Phase III Engineering Evaluation						
WOOD. SEDIMENT CORE LOG						
Owner: VSDC			617207486		ELMBACK	
Sub: ASI	<u> </u>	wo: —			. WEYER	
	Date: 120	20	Time:	NOZ Vessel:	PLY TESLA	
Coordinates: Lat 44.44532		Long <i>-68</i>	. 83 <i>818</i> 3	Plan Vol	ume:0.140gal	
Sampling Station: CJ-\$4			Deploy No.	Sub	o-tidal Location? YES	
Weather: CLEAR,50S Winds: 10-15Mp Waters: 3'-			4' Traffic: NONE Water Temp:			
Measured Water Depth [NAVD88]:			Core Po	enetration Length (f	t.): 0.60	
Correction to NAVD88 (+/- ft. from NAVD88):			. Recovered Core Length (ft.): () .55			
Mudline (Corrected Depth) @ NAVD88:			Sample Length Retained (ft.): 6.5			
Study Depth (-NAVD88):			Acceptable Core (80% recovery): YES			
Required Penetration Length: 0.50			Core Volume Retained (gal.): 💍)प्रक्व			
All Length Measurements are in Decimal Feet						
Sample Interval (ft.)	Sample Interval (ft.) Sample Id # Description					
Top 0.0 -0.1		-01	NON PLAS	17(2.5 / 4/2) come, organic-	LAY ANDSILT -LIFE RICH,	
0.1-0.3	01-	-03	VERY DARKGRAY (2.5 Y 3/1) CLAY AND SILT, LOWPLASTIC ALLUMUM			
0.3-0.5	03	-05	VERY DARK GRAY (2.543/1) SILT MD CLAY, LOWTO MED PLASTIC, ALLUNUM			
		4 2 2 2 2		en en 16 de m en Fertendolo S		
	93	A-115				
					= 15-33-3-3-3-3-3-3-3-3-3-3-3-3-3-3-3-3-3-	
Bottom						
Number of containers:	Number of containers:		Core Volumes			
Type of container: bucket	liner bag	<u>(0</u> jar	other	Nominal core-barre	EST. Volume	
Liner Type:	Vibracorer:	(BO)	Odrici	4.0"	.50gal/ft	
ACETRIE	Push Corer		Slambar	3.5"	.33gal/ft	
Live Organisms present —NO	Comments					
Oil-Like Present — Odor Present	1					
Debris Present -]					
Photo Numbers						
0"						





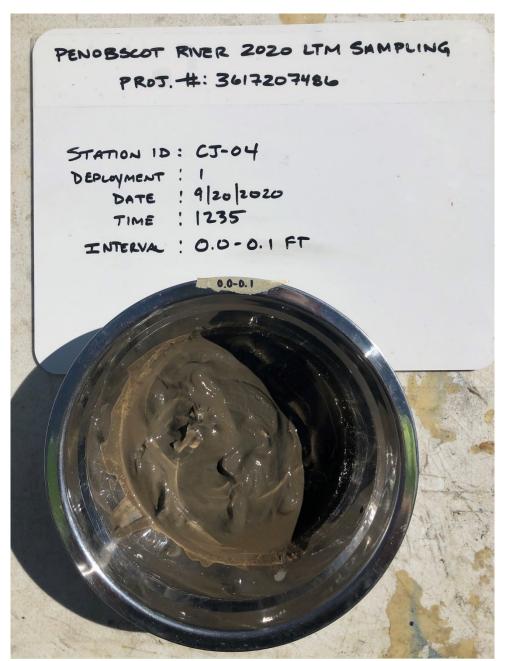


PHOTO 1:

CORE: CJ-04

DEPLOYMENT: 1

INTERVAL: 0.0-0.1 FT

DATE: 9/20/2020



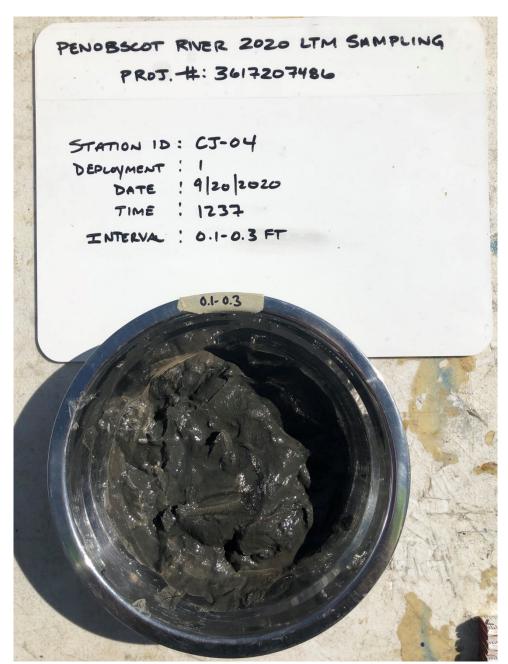


PHOTO 2:

CORE: CJ-04

DEPLOYMENT: 1

INTERVAL: 0.1-0.3 FT

DATE: 9/20/2020



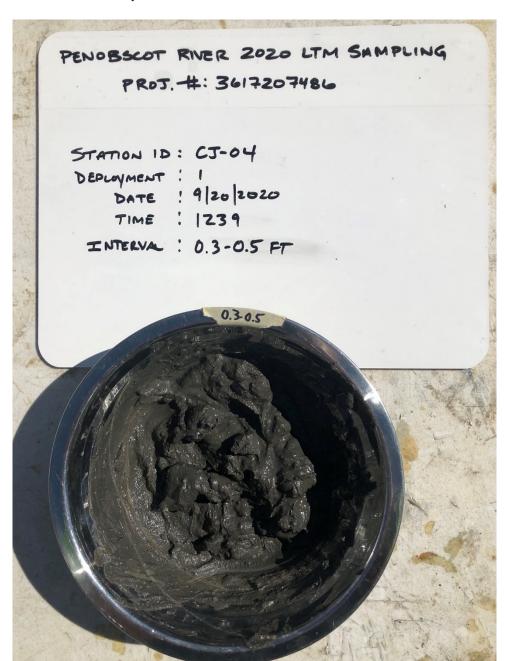


PHOTO 3:

CORE: CJ-04

DEPLOYMENT: 1

INTERVAL: 0.3-0.5 FT

DATE: 9/20/2020