

Minutes from the September 2020 Meeting of the Mariners' Advisory Committee

Captain Stuart Griffin welcomed 63 members and guests of the MAC to the September 10th, 2020 meeting via Zoom.

I. Approval of Minutes

Michael Cureton moved that the reading of the Minutes from the June 2020 meeting be dispensed with. Captain Stephen Roberts seconded. All voted, all approved.

II. Reports

Treasurer's Report

Filling in for MAC Treasurer Captain Iuliucci, Captain John Gazzola reported a balance of \$18,190.22 Membership Report

MAC Membership Chairman, Captain John Gazzola reported that Brian Brau of LS Power/Silver Run Project has joined the MAC.

III. USACE Reports

Tim Rooney reported on the following distribution:

Philadelphia District Corps of Engineers Project Status Update Mariners Advisory Committee for the Delaware River and Bay 10 September 2020

Delaware River, Philadelphia to Sea

This year's annual maintenance dredging was awarded to Norfolk Dredging Company (NDC). NDC started dredging operations at Marcus Hook Range to a depth of 45+2 ft MLLW in January 2020, however, was unable to complete Marcus Hook Range prior to the environmental window in March 2020. The Dredge Essex has mobilized back to Marcus Hook Range and is scheduled to be complete Marcus Hook at the end of the month. NDC has completed New Castle Range and Deepwater Point Range to 46+1 with placement of material into the confined disposal facility (CDF) known as Killcohook. Option 3, removal of objects and obstructions, has been completed as of September 4, 2020. There have been over 60 objects/obstructions removed above project depth of 45ft MLLW.

Next year's annual maintenance dredging contract has been advertised on August 28, 2020. Bid Opening is scheduled for September 28, 2020. Next year's annual maintenance dredging contract will include Marcus Hook, Deepwater Point and New Castle Ranges.

The Hopper Dredge McFarland has completed 53 days of dredging operations to address spot shoals and sand waves in Brandywine Range, Reedy Island Range and Baker Range on 04 September 2020. The McFarland is scheduled to return to the Philadelphia to the Sea Project on 01 October 2020 with the intent to continue operations at Baker Range then proceeding to Mifflin Range.

Delaware River, Philadelphia to Trenton

The Hopper Dredge McFarland began dredging operations to address edge and spot shoaling between Allegheny Ave and the Turnpike Bridge on 4 September. A contract to dredge the upper 40-foot project between the Turnpike Bridge and just above Fairless Turning Basin was awarded to Resilient Seas (formally SumCo) in August with dredging to be completed prior to 31 December 2020. An option to dredge the basin again is included.

Wilmington Harbor

Dredging of the outer portion of the harbor by Norfolk Dredging was completed on 23 March. Bid Opening for dredging of the entire harbor will be held on 9 September with dredging to begin in late October or early November.

Schuylkill River

A contract for maintenance dredging above Fairmount Dam will require offloading of material at Ft. Mifflin CDF with barges being staged upstream of Rt. 95 outside of the channel by Atlantic Subsea Inc.

Chesapeake and Delaware Canal

A contract for maintenance dredging of the 35-foot channel was awarded to Great Lakes Dredge & Dock Company in July 2020. The project awarded includes a base and one option for dredging shoals within the Maryland approach channel. The project award was for \$8,841,345 and included 315,377 cubic yards in the base and 50,246 in the option. The dredging will occur within the environmental window from October 1, 2020 to March 31, 2021.

U.S. Army Corps of Engineers

Philadelphia District

Survey Section

Status of Objects / Obstructions

September 8 2020

INTRODUCTION: This report is a summary of objects / obstructions which have been located by USACE Philadelphia Survey Section for the deepening portion of the Delaware River, Philadelphia to the Sea federal navigation project. Objects which have previously been removed are not included.

METHODOLOGY:

200khz multibeam survey methods are used to conduct channel exam surveys for this project. Lines are run generally parallel to the channel centerline, at a maximum spacing of 75', resulting in 100% bottom coverage. Real time kinematic positions are obtained by the vessel utilizing the district's Real Time Network. In cases where the network is not accessible in Real Time due to a lack of cellular coverage, or other reasons, post processed kinematic positions are computed using Applanix POSPac software. The primary purpose of channel exam surveys is to measure and quantify shoaling within the channel prism. When objects are seen in these surveys, they are further investigated using 400khz concentrated multibeam surveys. These surveys are then used to identify the shoalest sounding on the object in question.

METADATA:

Project Name:	Philadelphia to the Sea / Philadelphia to Trenton
Projected Coordinate System:	State Plane NAD-83 -
Datum Name:	WGS-84 -
Horizontal Zone:	NJ-2900 NEW JERSEY -
Projected Coordinate Units:	US Survey Foot -
Implied Horizontal Accuracy:	+/- 0.5 Feet -
Vertical Reference Datum:	MLLW -
Tidal Epoch:	1983-2001 -
Geoid Model:	Geoid 12b -
Implied Vertical Accuracy:	+/- 0.5 Feet -
Positioning System/Method:	Real Time Kinematic (RTK) -
System/Method:	Multi Beam Echosounder -
Transducer Beam Angle:	1.5 Degrees (Multi-beam) -
Shot Selection Method:	Shoal -
Shot Selection Positioning Me	thod: Point Positioning -
Tide Gage Location:	VRS (RTN) -
Squat Applied:	Yes -
Squat Application Method:	Real Time Kinematic (RTK) -
Heave Applied:	Yes -
Heave Applied Method:	POS MV -
Pitch/Roll Applied:	Yes

*Note – Schuylkill River, C+D Canal and Chesapeake Bay Data may have different state plane zones

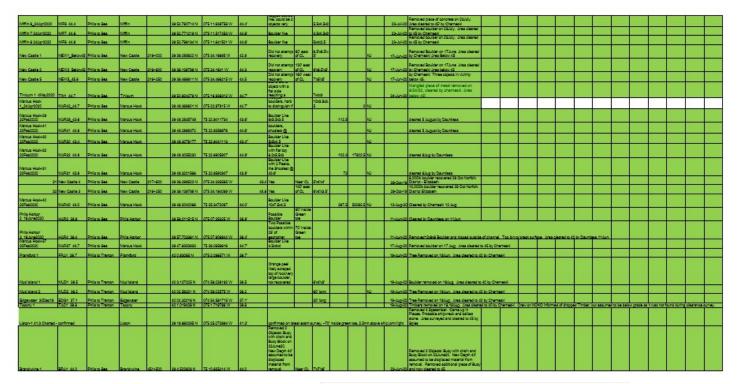
OBJECTS CURR	ENTLY BEING	TRACKED									
TGT Name	Map Label	Area or Range	Latitude	Longitude	Northing (Y)	Easting (X)	Date Found	Min Depth (MLLW) 400KHZ	Comments C	comments 2	Approximat Dimensions (LxWxH)
Bellevue-4 18Feb2020	BEL4_42.5	Bellevue	39 45.5419616	75 28.9948336	338661.691	215714.792	Feb-20	44.7		Did Bellevue 1 AS 12 object. Now two objects	
Aarcus Hook-12									Boulder Like, but could be displaced material from depression		
9Feb2020	MAR12_44.6	Marcus Hook	39 47.3391540	75 26.8967299	349466	225660.8	Feb-20	44.6'	Immediately beside 7.5x7.5x4		
Marcus Hook-38								1000	Mound like right next to a deep void, could be a bottom A	Itempted Removal on 12 Aug 20. Unable to	10000000000
0Feb2020	MAR38_44.5	Marcus Hook	39 47.8964475	75 25.9660232	352803.4	230054.9	Feb-20	44.5	feature or displaced material Near Pipeline re	emove	5.5x8x3.5
Marcus Hook-39 20Feb2020	MAR39_40.1	Marcus Hook	39 48.1872697	75 25.3848909	354540.7	232794.4	Feb-20	40.1	Multiple Rocks above 45', The shoalest is a flat top rock 40.2' N	EEDS TO BE CHARTED	
Varcus Hook-33									Several attempts at removal 3 August. Small loose rock removed, Main object above 45 remains. Likely fixed to		
0Feb2020	MAR33_44.9	Marcus Hook	39 49 3399207	75 22.9573181	361423.5	244230,3	43852	44.9	bottom,		
Schuyikli 08Jan20	8CH1_31.6	Schuyikili	39 53.275063 N	075 11.698723 W	384848.106	297118.343	20-Jan	31.6	P	Possible tree	
Phila Harbor										Itempted Removal multiple Times. Depth of	
_16June2020	HAR2_36.5	Phila Harbor	39 58.154078 N	075 7.014819 W	414306.881	319227.772	16-Jun-20	36.5	Multiple objects in shoal working into the channel 3	6.5' at furthest point inside Toe	
Phila Harbor 1 16June2020	HAR2 1 30.0	Phila Harbor	29 62 161306 N	075 7.018522 W	414350.876	319210.779	16- Jun-20	30.0	3	Attempted Removal multiple Times. Depth of 0.0' is shoalest depth in vicinity and is located in the Green toe.	
				or of the function of the func	414550.010		10 0011 20	50.0	P	Possibly two boulders within 10' of each other. Other boulder 39.2 depth Attempted removal on	
Forresdale 1	TOR1_38.5	Torresdale	40 2.249855 N	074 59.435075 W	438951.998	354769.999	Jun-19	38.5	Orange peel likely scraped top of rock/very large boulder, not 1	9 Aug. Was unable to remve. Assumed oulder at 38.6' MLLW	10'x10'x3'
hila Harbor 7_18Aug20	e a marte con co	Phila Harbor		075 8.376694 W	404467.072	312795.503	18-Aug-20	39.7	Debris field along Penn's Landing. Most of the objects are below	v 40	100000000000000000000000000000000000000
hila Harbor S_18Aug20		Phila Harbor	39 56.558767 N	075 8.384689 W	404667.069	312759.577	18-Aug-20	39	Debris field along Penn's Landing. Most of the objects are below	v 40	
EGEND				-							<u> </u>
		hint attended /	Red symbol on ch	adiate	9			-			-
				y removed. "See Co	mments						
						rial "see removed s	incal parcels	a tab / unbid	e mate		
						"see Removed - Ci					
		Objects Near Pla		and a second second second			1				

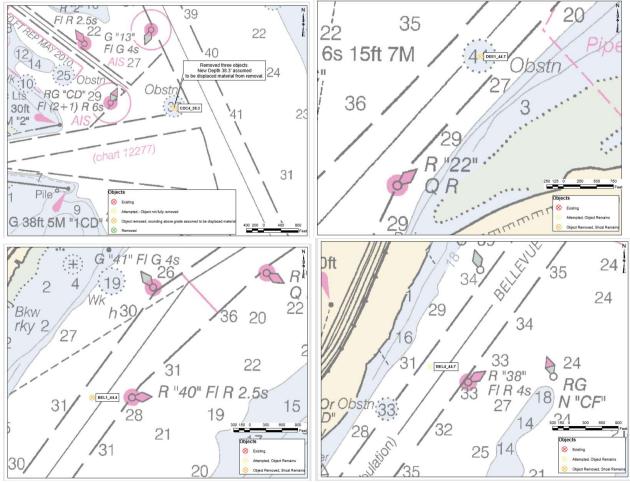
Captain Roberts asked if all of the obstructions have been removed. Captain Griffin replied that the only obstruction in the upper river is Torresdale 1 and that is 38.5 feet on the tow. He added that all of the concerning ones were removed.

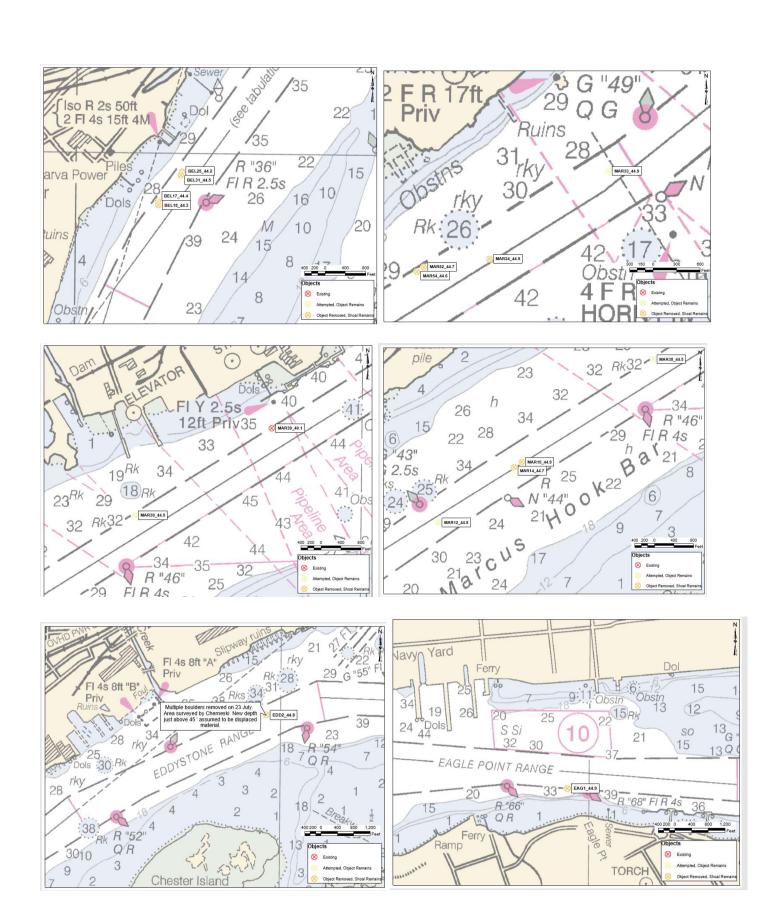
OBJECTS RE	MOVED	- SHOAL	REMAINS	ROM DISPLA	CED MATERIAL			
		Area or						
TGT Name	Map Label	Range	Latitude	Longitude	Comments	Comments 2	Removal Notes	New Depth
Canal 4	CDC4 38.3	Canal	39 33 50.84 N	075 32 58.67 W	Removed 2 objects: Navagation Buoy(7'x9x), Buoy Block(4'x4') on 15June20, and one object: Mangled Pipe(9'x4)on 16June20. New Depth 38.3 assumed to be disclaced material from removal	Commence 2	Removed 2 objects: Navagation Buoy(7:x9x), Buoy Biock(4:x4') on 15June20, and one object: Mangled Pipe(9:x4')on 16June20. New Depth 38.3 assumed to be disclaced material from removal	38.3'
Deepwater 1			39 38.0791 N		Removed multiple objects on 17.June20 Area cleared by Cherneski. Boat Fender(4'x17'x1') Buoy Can(8'x5') Bouy marker pipe(6'x1). New depth of 44.7' assumed to be disclaced material from removal		Removed multiple objects on 17June20 Area cleared by Chemeski. Boat Fender(4x17x1) Buoy Can(8x6) Bouy marker pipe(6x1) New depth of 44.7 assumed to be displaced material	44.7'
Deepwaver 1	DEE1 44./	Deepwater	35 30.0751 N	070 34.103000 W	displaced material from removal		displaced material	44.7
Bellevue	BEL18_43.0	Bellevue	39 44.833581 N	075 29.654131 W	Multiple jagged objects with one large one @ 43', other smaller objects just above 45', Could be scatted loose rock or a mixture of attached and loose obstructions.	11x6.5x3.5 (single large object) / 29x12 (area that all sattered objects are included in)	Removed Multiple boulders on 25June. New depth of 44.3" assumed to be displaced material	44.3'
Bellevue		Dellever		075 00 5000 4 144	Devides like		Multiple boulders removed. New depth of 44.5' assumed to	
6_4May2020 Bellevue 10 4May2020	BEL31_43.9		39 44.93163 N 39 44.844537 N	075 29.56094 W	Boulder like Jagged pointed object, could be loose rock or possibly attached to the bottom		be displaced material Removed small boulder on 2July. Aera surveyed by Sples and new depth of 44.4 assumed to be displace material	44.5'
Bellevue					Non uniform jagged object, could potentially be a		Mostly small rock plies. Cherneski surveyed area and new	
3 4May2020	BEL25 43.8	Bellevue	39 44.949889 N	075 29.552366 W	formation of the bottom.		depth of 44.2' assumed to be dispaiced material	44.2'
Bellevue-1 18Feb2020	BEL1 44.4	Bellevue	39 45.6897288	75 27.9177651	Boulder Like (5x5x4.5) with large scour surrounding it	Now @ 45' as of 5/27/2020, significantly lower than the last survey @ 44.4'. Likely not a hazard.	Possibly just shoai to begin with. New depth 44.9'	44.9'
Marcus Hook-14 19Feb2020	MAR14_44.	Marcus Hook	39 47.5277847	75 26.5686033	2 small boulder like objects immediately next to eachother @ 44.6' & 44.8'		Removed object on 13July. New depth of 44.7' assumed to be displaced material	44.7
Marcus Hock-15 19Feb2020	MAR15_44. 4	Marcus Hook	39 47.5455437	75 26.5359405	2 small objects that look like possible bottom features, the shoalest @ 44.4'		Removed object on 13 July. New depth of 44.9' assumed to be displaced material	44.9'
Marcus Hook 13 24Apr2020	MAREA 42	Margue Hog	20 40 122571 N	075 03 475 409 144	Jagged rock pinnacle, possibly attached to bottom		Removed boulder on 15July. Area surveyed by Cherneski. Edge shoal in vicinity at 44.6'	44.6
Marcus Hook 11 24Apr2020				075 23.476496 W			Boulder removed on 15July. Area surveyed by Cherneski. New depth at 44.7 assumed to be displaced mateerfal. Edge shoal in vicinity.	44.0
Marcus Hook-24 20Feb2020	MAR24_44. 9	Marcus Hook	39 49.1531081	75 23.2788974	Possible Bottom Features/ Mounds		Removed on 20 July. Area surveyed on 21 July by Cherneski. New depth of 44.9' assumed to be displaced material	44.9'
Eddystone-2 13Feb2020	EDD2_44.5	Eddystone	39 50.8938823	75 20.0761187	Removed small boulder that was not original target. Original Object still there and possibly shifted by dredge		Update: Multiple bouiders removed on 23 July. Area surveyed by Chemeski New depth just above 45 assumed to be displaced material. First attempt: Attempted removal 6/19.22. Removed small boulder that was not original target.New Depth may be object or displaced material. Original object still down there. Hard to decipher due to dredged up material clouding view.	44.8'
Eagle Pt 1 14pr2020	EAG_44.1	Eagle Point	39 52.812574 N	075 10.111124 W	Flat top, possible man made large object with other objects scattered close by		Wooden debris and large recangular metal object removed on 8/24/20, cleaed by the Cherneski. A couple of 44.9' soundings immediately on the toe appear to be loose bottom material possibly stirred up by the object removal and should settle out lower.	44.9'
Bellevue- 36 7Julv2020	BEL36 44.3	Bellevue	39 44.859356 N	75 29.648886 W	Scraped at and unable to get a hold of object on 8Jul20.		Scraped at and unable to get a hold of object on 8Jul20. Removed 7Aug20. Surveyed by Chemeski on 10Aug and new depth of 44.6' assumed to be displaced material	44.6'

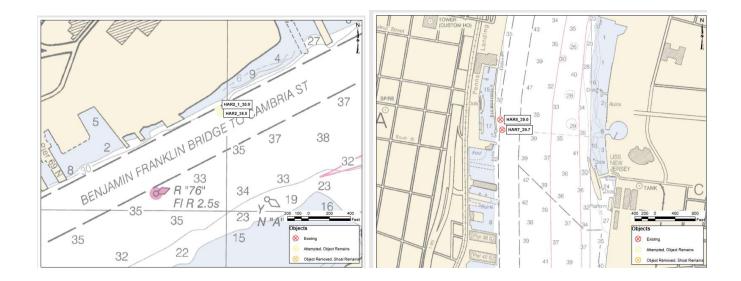
OBJECT & REM	OVED - SUP	RVEY SHOW		AR BELO	W AUTHORIZ	ED DEPTH																					
CDILO TILI										mate.	Approx	Apress															
TGT Name	Map Label	Project	Area or Range	Station	Latitude	Longitude	Original Min Depth(40090x)	Commenter	Refiss Channel	Dimenel ank	204 (CuIT)	Weight (Ib)	STATE PL/MC	Date Removed	Removal Notex								_			_	
Geleva-10 18Feb2020		19			· · · · · ·	-		Roulder		20-3				1	Removed medium sized rock on Bibly.			1			-	0		s			
	BEL10_46.1	Philano Sea	Delivice	-	28 49 8540512	75 27.7898975	44.17	(ddbd) Souther Like			35	6800	NJ	1000	Gree deared to 65 by Chemaski Demonant motions (b) do Jonan diasted to 40												
Ballava-11 19Fab2020	BEL11_46.6	Phila to Sea	Deleta		29 49 5795777	75 27.0505711	41.0	Soulder Like 7.5x5x5			112.5	19697.5	NJ	8-34-30	by Chemaski		_										
Gallerus-12 18Fab2000	BEL12 44.5		Delinan		28 (8 8954000	75 27 4577580		Soulder Like (2.5k) Sk2 Not much detail				2197.5			Removed Boulder on BJuly20, Jines cleaned												
185462020		Phila to Sea Phila to Sea	Delivite		28 49 89 7121		45.1	Soulder Like		0 0	12.5	2167.5	NU		to 45 by Chamaski to 45 by Chamaski		_							0			
Bellerce-14 19Feb0000	BEL14 44.9	Phila to Gea	Bellevie		20 10 0120522	75 27.5915099	41.8	Soulder Social S			20			9-34-02	Removed Boulder on \$30(00). Intel cleared to 45 by Chemical	-											
Sellevus 1 SJune2020	BEL15 44.9	Phila to Sea	Seller.co		SE GLEGEREN	075 29 645065 W	4.9	Soulder like		000				2-35-02	Removed Boulder on 2309, dres cleared to 45 by HR Splan												
Geleve 1 dilaj0220		Phila to Sea	Dellarue		98 64.89485 N	075 28 5981 59 W	44	like object with a flat top laying	1	7.04				10000	Removed Boulder and 2 pieces of timber. Jimes diegned to 65 by Chemisel												
· · · · · · · · · · · · · · · · · · ·								protuding. Rely assored		10000					2		- 7										
Deferce 13_4Vaj0030	BEL18_44.7	Phila to Sea	Dellerus	-	59 64 829514 N	075 28 645454 W	44.7	to bottom but		6.962.9d 2				5-35-22	Removed Boulder on 1July: Area cleaned to 45 by Chemicki				<u> </u>								
	8512 44.3	Phila to Sea	Delivice		20 40 2015720	75 00.0199111	44.2	Soulder Like Skippi			75	12125	N	6-26-22	Removed Boulder on BJU00, Janes cleaned to 45 by Chemicki												
Dellerue 13 divlej0000		Philano Sea	Selecte.		28 HE REPORTS N	075 28 653679 W	42.9	like object with 3 amplier		17012				5.85-00	Removed Boulder on 1309, dres cleaned to 45 by Chemacki												
Dellevue 14_4Maj2020	25121_44.5	Phila to Sea	Selecte		58 44.825754 N	075 28 645945 W	44.5	formation with a flat tog. Ikely		1.500				1-365-22	Removed Boulder on 13/4/05. Brea cleaned below d5 by Chemedid												
Selecce 15 AVai2020	BEL22 44.9	Phila to Sea	Delivate		29-66-727929 N	075 28 72564 W	44.9	with accur surrounding is	8	100.04				5-33-02	Removed Boulder on 13uni(30, Snea deared below 45 by Chemecki										2		2
Sellerus 2 SJune2000	95125 44.9	Phila to Sea	Delimon.		29 of BEETTEN	075 28 648289 W	44.7	Unsure		1080					Removed multiple boulders on 25June20. Ones cleared below 45 by Chemacki.												
Selence 2_4Mp(2220	Read and the second second	Philato Sea	Dellarue		and the second second second	OFS 28 Settler W	41.5	Soulder like						25-Jan 23	Removed multiple boulders on SSJune20, Gres cleaned below 45 by Chemeaki												
Seleve (Store202)		Phile to Sea	Relation			075 28 571969 W	45.5	Unaure	8	1000					26June25, dres cleared to 45.1 by Chemical		- 3										
								boulder like object, doesn't							Removed Boulder on 7July. Jines cleaned to												
Bellerue & chilar0220	95127 43.5	Philano Sea	Selecte.		29 64 942594 N	075 28 55572 W	42.2	Deers to be		15005			-	7-34-00	45 by Chamazki		_	_				-		(
Selecus S SJune2000	85129-447	Phila to Sea	Selecte	-	SE dé adSese N	075 28 592305 W	44.7	Small Soulder Ike		2020				7-36425	Removed Boulder on 7July: Jones cleaned to 45 by Chemicki												
Selecte 5 (Maj 222)	BEL29 49.7	Philano Sea	Sellence		58 44 897898 N	075 28 591071 W	417	Soulder like		20.94				7-36420	Removed small Soulder on TJUy. Area deared to 65 by Chemeski.												
Sellence-0 18Feb2000	SELS Belowts	Philano Sea	Deliviue		38 (8.0167383	75 39,5809366	41.8	touider (adad. 5) with			32.5	3897.5	NJ	19-34-00	Removed email boulder on 19June20.												
Selecte 9 S. breaddoo		Philato Sea	Delinia		10.45 10751 M	075 28 Service W		(e) (2)						1	Removed Boulder Jines cleaned below #5 by Chemistic												
Bellevie 7 (Mar2022		Phila to Sea	Selecte			075 28 909129 W		like object with						100000	Removed Boulder on 73uly: Area disarted to												
	The second s	Phila to Sea	Delinan		and the second second	075 28 647797 W	42	tiangular tiosloar like		10004					45 by Chemacki 45 by HR Splee. New targets found and added to list		_										
Seleva 9-chip3000							ot.w	with flat edge																			
Bellerue 9_4Nbj3220 Bellerue-		Phila to Sea	Bellevue	-		075 28 652102 W	42.2	an sop		Rod Set S				3-33-22	dä by HR Splas Removed multiple Boulders on SJub20.		_										_
Selecte- SE 7.July2020	85195 43.1		Selecte	-	29 64 859295 N	75 29 949725 W	42.5	Soulder Like		1				9-35-22	Ramoved multiple Bouldars on 2Jub20. Ones cleared to 65 by Chemiski Ramoved Bouldar on 2Jub20. Area cleared		_								-		
Sellerus-5 18Fab2020	8615_458	Philano Sea	Delivice	_	39 45 3429782	75 29.1729189	41.9	10x7x8.5 Formation	<u> </u>		425	70675	NJ	8-34-30	to 65 by Charmacki Removed Boulder on 2 (1/20), Area cleaned		_						 		_		
Geleve-9 18Feb2020		Philano Gea	Delivate		28 45 3175872	75 29 2039201	41.9	11:24			165	20175	NJ		to 45 by Chamaski					-			_				
Selevue-7 18Fab2020	BELT 45.0	Phila to Sea	Selecte		39 45 3721251	75 29.2598259	45	Soulder Like Stradi			125	20625	N	8-316-33	Removed Boulder on BJU20, Jrea cleaned to 45 by Chemeski												
Gellerus-G 18Fab2020		Philano Sea	Dellarca		59 45-2000TeD	75 29.2774656	44.5	Soulder Like Social			72	12800	NJ	8-314-30	Removed Boulder on BJul25: Area cleaned to 45 by Chemicali												
Sellevus-9 18Fab2020	BEL9_647	Philano Sea	Ballance		38 45 2217922	TS 09.9425755	447	Soulder Like Solid			120	21000	NJ	8-34-30	Removed Boulder on BJul25, brea cleaned to 45 by Chemeak												
Charan-1 19Fab2020		Phila to Sea	Creater		59 50.0067549	1	44.7	Soulder Like Solide				7875	-		Removed on 20July. Itree sumeyed and deared to 65 on 21 July by Chemacki												
Contraction of the second	1000000000	19-11-20	22		and the second second	1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.	100	- 201 a						100000000000000000000000000000000000000	Removed on 20 July, lines surneyed and		_										
Chester-2 19Feb2222	0452 (5.3	Philoso Sea	Chapter		a second second	75 21 8291779	45.2	Eculder Like Like Unsure		2012025			NL I	25-24-20	deaned to 45 on 21 July to Chemicki Removed boulder on 21 July: Jines cleared to 45 by Caunciess	1											
Chester-S 19Feb3020		Phila to Sea	Checter		28 50.5467576		44.9	possibly part of One above		10/54			NU	25-34-80	to 45 by/Dauntless Removed boulder on 21 July Janes cleaned							1					
Chasan-5 19Feb2020	CHEC 64.9	Phila to Sea	Checter		28 50,0583576	75 01 S178506	41.9	Grade 2-dad			-	9150	110	25-345-80	Removed boulder on 24 July. If we cleared to 45 by Doumface.		-										
Charan-S 19Feb3020	CHES_64.0	Phila to Sea	Charger		58 SD.3198747	75 21.5108222	44.0"	Soulder Like Sold			20	3600	NJ	21-34-80	Removed boulder on 21 July. Intel cleaned to 45 by Doundees		_		_								
Charan-9 12Feb3020	CHER SHE	Phila to Sea	Charger		59 50 3579296	75 21 3258-019	44.0"	Soulder 6.36546.7			211	39825	NJ	21-34-80	Removed boulder on 21 July. Idnes cleaned to 65 by/Dountless												
Chapter 7 19Feb2220	CHET GLA	Philang Sea	Creater		39 50 39225-19	75 21 2072007	414	Soulders/S above made	6			1999 - S. 1999 -	NU	25-24-20	Removed on 21 July: Snea surveyed and deared to 65 on 20July by Chemicald											-	
Chaster-9 20Feb3020	CHER_SLA	Phila to Sea	Charger		28 49.729678 N	075 23 228569 W	44.5	Soulder Like		1. A.			NJ		Cleaned to 45 on 27July by Chemaski												
Eagle Pt 2 165pr2220	5100 497	Philano Sea	Eagle Point		A RECORDER OF	07511.299062 W	417	boulder like objects, one	Inside Red edge	Treat			NU	56.35.00	Removed boulder on 24 July. Area cleaned to 45 to Countiess												
Eagle Pr 3 160gr2220	The second second	Philano Sea	Eagle Point		Contraction and the	07511.276019 W	44.7	Soulder Like	Indide Green	00.50.5					Removed boulder on Sti July. Area cleaned to 45 by Councies												
			1		1 S	1	417	Re chied that	Inalda	2000		-	-	1	Removed Ball of cable on 29 June20, June	-			_								
Eagle Pt & 160pr2020	LIGK_657	Phila to Sea	Eagle Point		28 52 963900 N	07511.296067 W	a7	doesn't appear object with a	Green	2000			NLI.	29-30-60	deared to below 45 by Doundess											-	
Sagle Pt 5 160pr2220	5105,000	Philano Sea	Eagle Point		59 52 5425 N	07511.001985W	42.8	sharp angle as shacked point	a	76945				26.35.00	Removed boulder on \$4 July. Area cleaned to 45 by Douncleas												
Eagle Pr 9 165pr2220		Philano Sea	Eagle Point		-	07511.413437 W	4.0	with very uniform came	Inalde Red edge	-				26-Jun-25	of old buoy removed on \$128(20, cleaned by the Chemicki, New mound at 45.11												
	14		1			2			inside					1	Removed boulder on 24 July, dres cleaned												
Earle Pt 7 160nr0020 Eddysone-1	5197 613	CALCULAR CONTRACT	Earle Point		and the second second	07511.425159.W		SCORE LINE	Red edite	a set of			-	1000	to 45 to Countiese Boulder remoted on 20 July. Area cleaned												
13Fab2020 Eddysona-0	EDD1_64.7	Phila to Sea	Eddjørone		28 50.8485340	Contraction of the	44.7	Soulder Like Soulder		Sed 5			NU		to 45 by Chemaski Removed multiple boulders on 25 July.												
265462020	5009 64.9	Phile to Sea	Ecolatione .		29 50 8909201	75-19,7979119	44.9	Soulder Solid 5			22.5	2007.5	NJ	23-34-30	dres deared to \$5 by Chemeski												

Eddystone-8	S		2				Boulder B.Go.D.C.4	- 7					2 2	Boulder removed on Stabuly Area cleaned to 45 by Chemeski				2	1	8	2 - 2		3	- 3	- 3	
185462000	EDD8_66.7	Phila to Sea	Eddjøtone	28 50.5740680	75 30,6090950	66.7	13 1.00			72.34	12543	NU	25-34-80	Removed large place of lumber boked		-								-		
							medicalize	11'						together on Skiume20. All remaining objects outside of channel. Channel seems												
Phila	HUR1_367	Concerne .			075 07.9402-11 W	25.7	Low printing for	Cuside of Green						to be clear of objects (just shoal). Removed additional Pillings and wood debris on												
Phila Harber	International Contractor	Phila to Sea	Phila Harbor	100 CONT	a land and the land		Possible	Toe Green						273uly: Grea dieared to 43 by Dournless			-									
4 16.kma2020 Marcus Hook-10 19Fab2020	HORE 267	Phila to Sea	Phila Harbor		075 07.925186 W	28.7	Boulder Gig with very factopy	Toe					29-33-02	Removed boulder on Sillely, Jines cleaned to 65 by Removed Object on 15349, Surveyed and deared to 65 on 15349 by Chernecki	Caunties	-	-			22	11-12					
Mancus Hook-11	MURIQ_64.1	Phila to Sea	Marque Hook	59 67.5965093		44.17	Soulder Like			269.975	12	NLI		Removed Object on 153(b), Surreved and	-	-								-		
18Fab2020 Marcus Hook+13	NOR11 667	Philano Sea	Marque Hook	38 d7.3991313	75 20.9909702	417	Exercise to a second be a			20	15752	NLI		deared to 45 on 15JUly by Chemarki Renor and entail be date on 15JUly Jack	-	-	-		-					-	-	
19Fab2020 Mancus Hook-19	V0R19 644	Phila to Sea	Marque Hook	28-07-3909071	75 20 0425550	44.6	Sogon Bence			77	12675	NU	13-34-52	deared to (5 b) Shies survived and cleaned to (5 or 15.0/v by		-				2.6						
18Fab2000 Marcus Hook-17	MORINE_45.0	Philano Sea	Marque Hook	28 47.5947901	75-09.3015901	42	Investigatly Soulder Like				1	NJ	13-30-52	Chematiki Removed boulder on 17 July, sines cleaned		-	<u></u>			10	30 - D 2					
20Fab2020 Manual Moderta	MaRIT 64.6	Phila to Sea	Marque Hook	28.49.1914079	75 29 5492235	44.97	1965.9-9 loss of noisy			74.25	12999.75	NJ	17-34-80	to 45 by Snies Devider represent on 45 bits Area discont	-	-	_	1						-	-	
Mancus Hook-18 20Feb2020 Mancus Hook-18	NURHE_647	Philato Sea	Marcus Hook	28 d8.1667719	75 29.9910491	46.7	data (S.Skillet S)		Sociel			NJ	15-35-22	Boulder removed on 16July: dres diesred to 65 by Chemeski Boulder removed on 16July: dres diesred	-	-	_		-	-				-		
20Fab2020 Marcus Hook-00	NUR-18_64.6	Phila to Sea	Marque Hook	58-09-1069660	75 29.9055255	64.9	souncended by Boulders above			125.75	21658.05	NJ	16-32-52	to 65 by Chamacki Ramoved multiple boulders on Statuty.		_	_			27				-		
20Fab0000 Marcus Hook-01	W0R20 497	Philoso Sea	Marque Hook	28-09-1210389	T5 29 9229094	47	di, abcalent la		11425			NJ		óres deared to 65 br Chemeski	_	_	_				-			_	_	
20Fab2000	Marat_45.1	Philano Sea	Marque Hook	28 49.1990979	75 29,9901662	ar	195265			189.975	29115.65	NJ	17-346-80	Ramoved boulder on 17 July. Inea cleaned to 45 by Spise	_	_	_									
Marcus Hook-22 20Fab0000	V0R22 434	Philo to Sea	Marque Hook	28 49.1749274	75 23 3193391	42.97	Sociders, One Shore 67			343.75	(2658.25	NU	17-34-52	Removed on 17 July. Inter surveyed and deared to 65 on 20 July by Chemaski	_	_			-							
Marcus Hook-23 20Feb0000	NUR29 64.1	Phila to Sea	Marque Hook	59 49-1759109	75 23.30(8486	44.17	Soulder like Bid.Sol			106	16800	NU	25-34-32	Removed on 25July. Inter sumsyed and deared to 65 on 21 July by Chemical				1	1							
Marcus Hook-25 25Feb3500	NOR25_457	Philano Sea	Marque Hook	58 49.1654057	75 23.5717686	417	Boulder Like 5 StiGel		7.5/106	185	30675	NJ	17-346-00	Removed on 17 July. Itree surveyed and deared to 65 on 20 July by Chemeak												
Marcus Hook-29 20Fab2020	VUR29 45.1	Phila to Sea	Margue Hook	28 49 1251071	75 29 2597925	45.5	boulders, shappen ft		7.9/196. 5			NJ	17-34-32	Remoted on 173dly. Shea surveyed and deared to 65 on 30 July by Chemeski			_									
Marcus Hook-07 20Feb0000	NURST 45.0	Phila to Sea	Marque Hook	38 49 3013901	75 29,9692291	45	side 607(5.5			306	\$3900	NJ	17-344-00	Removed on 17.July. Jinea surveyed and deared to 65 on 30 July by Chemical			_	-		-						
Mancus Hook-39 20Fab2020	VURDE 64.0	Phile to Sea	Marque Hook	28 49 2210121	T5 23.1836454	45	Soulder Like 4 Soft 6 S			173.25	20219-75	NJ		Cleaned to 45 on 27 July by Chemeski												
Mancus Hookväit 25Fab2530	NURSE ALS	Phila to Sea	Marque Hook	20 49 364 (742	75 22.9522369	44.8	Soulder Like 10.5 mil.2xd			272	41775	NU		Cleaned to 45 on Stugues by Chemeeki												
Mancus Hook-95 20Fab2020	NURSE 450	Phila to Sea	Marque Hook	58 49 3539900	75 22.0573040	er	with one flat side 755(5.5			182.5	30697.5	NJ		Cleaned to 45 on Muguet by Chemicald								-				
Manoua Hook 2. 24Jayr2020	WIR42 64.9	Philana Sea	Marque Hook	28 49-104565 h	075 23 478099 W	44.9	Soulder Ike		8535				17-34-25	Removed object on 173/by, Sines surveyed and channel to 65 on 203/bit for Chemicald												
Mancua Hook 9 Sellgr2020	WRILLALS	Philano Sea	Marque Hook	38 d9.179005 h	075 23 304656 W	64.9	soulder with flat top and		2005				17-346-80	Removed on 173bly. Itrea surveyed and deared to (5 on 30 July by Chemeak)												
Manoua Hook 6. 26Jan/2020	WARKE 44.1	Phila to Sea	Margue Hook	28 48 297745 N	075 23 91 9176 W	44.5	what looks to be roasible		1084					Removed rack on (SJU). Cleaned to (S by Chemical)												
Marcua Hook S_04.ligr0000		Philano Sea	Margue Hook		075 23 439092 W	104	Soulder Ike		75.Set.S				15.66.00	Removed two boulders on 15July. Cleaned to 65 by Chemeaki												
Marcus Hook 6_04.lgr0000	1000	Philano Sea	Marque Hook	and the second se	075 23.947769 W	45	Soulder like		811.85				15-35-00	Ramoved 63kilb boolder on 163uly: dres deared to 65 by Chemaski												
Marcus Hook 7: 24Jar/2020		Phila to Sea	Margue Hook	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	075 23 269TE W	417	Boulders, 2 above 42		1100					Removed loose rocks on 15July, lines desired to 65 bit Chemeski												
Manoua Hook						1.000	possible boulders.		110.20					Removed boulder on 16July. Grea cleaned												
6_04.1gr2020	NURSE_64.5	Phila to Sea	Marque Hook	28 d9-126593 h	OTS 25 STORE W	41.5	appears to be		5				16-32-62	to 45 by Chemecki					1	1						-
Marcus Hook 9_04Fab2000		Tellow for					Soulder like		d.SoSiel					Boulder removed on 16July: Grea cleaned to 45 by Chemeski												
STOCHESTICS.	WaR20 64.2	Philo to Sea	Marque Hook	28 49 122737 5	075 23 397093 W	412	COURSE INS		0.000				19-10-22	to ca oj unemetre			-									
Manoua Hook 10_340pr2020	NURSI_454	Phila to Sea	Marque Hook	58 48.127721 N	075 25.454279 W	414	Soulder Ike		7.5:6.9:6				15-34-62	Removed boulder on 15July.tines cleaned to 45 by Chemeski												
Manoua Hook 13 Sebarrobeo	WUR82 42.0	Philano Sea	Margue Hook	59 49-101169 N	075 23 448989 W	42.07	Soulder Ike		7.94.94				15-35-22	Boulder removed on 15July: Smo deared to 45 by Chemeski												
Mancua Hook 16- Stägr2020	NURSE 43.3	Philano Sea	Marque Hook	38 d9.106d97 h	075 23.496961 W	ar	Soulder Ike		4994				15-34-62	Removed boulder on 15July. Cleaned to 45 by Chemedia												
							Passible							· · · · · · · · · · · · · · · ·												
							displaced material or boulder right next to a spud																			
Marcus Hook-9 18Feb3000	WARE 45.8	Phile to Sea	Margue Hook	28 47 0941919	T5 07 4508557	41.7	ned to a spud mark 4 Sec. 5			31.1 2			2.450	Removed Boulder on SJUly25, Jines cleaned to 45 by Chemicki												
Mancus Hoole-7 18Feb2000	NOR7 45.1	Phila to Sea	Maroue Hook	59 47.2232691		45.9	Formation anached to		197.94				10-40-0	Removed Object on 15July, Surveyed and deared to 65 on 15July by Chemeski								1				
Mancus Hook-6 18Feb2020	V0R8_44.2	Phila to Sea	Marque Hook	59 47 5148079	The second second	44.2	Rist on one side Solid			190				Removed Object on 15July, Surveyed and deared to 65 on 15July by Chemeski					1.00							
Mancus Hook-9 HIESakonon	WARD GOT	Philano Sea	Margue Hook	29 47 3748219	A Decidence of	47	Soulder Like							Removed Object on 15Jbly, Surveyed and deared to 65 on 15Jbly by Chemicki												
Millin 4 Selept2220	WF1 CLA	Philana Sea	Little	1.000	07511.509049 W	104	Soulders, 2 above 42		(Both boulders				20. br	Removed multiple boulders on Stild. Area deared to (5 by Chemacki							11 - D					
Millin 2 36 Jan 2020	VIF2 64.1	Phila to Sea	Little		07511.599299 W		with acour		1000					cleared by the Chemaski, dogests to be also sheet nearby above (5' stretching												
Contract States and States		10000000000		123/22/2		44.7	virt accur aurounding is		42620					cleared by the Chemaski, dogeans to be												
Millin 3_360pr2220	VIF2 64.5	Phila to Sea	Little	1000	07511.598917 W								1.000	edne shoal nearby above 35° stretchine. Removed boulder on 23July, brea cleaned												
Milline Secondard	MF6 43.5	Phila to Sea	Long Long		07511.913976 W	41.5	Soulder like		6.50el				23-30-25	to 65 by Chemeski Removed boulder on 25July, dres cleaned to 65 by Chemeski						85	20-00					
With 5 Sepress	MES 44.5	Phila to Gea	Little	29 S2 769829 N	07511.622367 W	44.2	liquider live		6546				22.45.25	to 65 by Chamaski												









Captain Griffin reported on how important the Dredge McFarland is to the port community and how fortunate we are to have her. He said that the dredge is especially valuable with emergency cleanup dredging. He added the following: We have conversations with the Corps every two weeks about priorities and to review surveys. Tim has been diligently working with us in moving the McFarland around to those trouble areas. There will be a new "McFarland" built in the future and we may be seeking formal support from the port community, public port agencies and government officials to ensure that the new vessel's homeport is in Philadelphia. Tim Rooney replied in kind and added that it would be critical to have the new "McFarland" stay in port. A full-court press may be necessary to have her here to keep this channel at 45 feet.

IV. NOAA Report

Lucy Hick, Office of Coast Survey reported on the following distribution:

Lucy Hick, Office of Coast Survey reported on the following distribution. Report out at Delaware River/Bay Marine Advisory Council September 10, 2020 Lucy Hick - Chief, Customer Affairs Branch, NOAA's Office of Coast Survey Lucy.Hick@noaa.gov, (240) 533-0066

- Charting Status
 - The Bay Hydro 2 surveys from 2018 & 2019 are being applied to the ENCs.
 - o NOAA is working with USACE to update charted obstructions on the ENCs in the Delaware River near Philadelphia Harbor
 - Band 5 ENCs have been reschemed from Trenton to mouth of the Delaware Bay. The new charts in the river are at 1:10,000 scale, while those in the bay are at 1:20,000 scale. We are working on further updating shoreline and bathy for these cells.
 - The status of reschemed ENCs can be seen in our interactive map viewer ((<u>https://distribution.charts.noaa.gov/ENC/rescheme/</u>), which displays the status of NOAA ENCs as they undergo major improvements.



- Survey Status
 - O No surveys are currently planned this year for the vicinity of Delaware Bay or Rover

- CATZOC/Survey Quality for USACE data
 - NOAA is still working with USACE on a re-evaluation of the CATZOC for the channels for the Philadelphia District.
- NOAA Custom Chart Prototype
 - NOAA has released an improved user interface for the NOAA Custom Chart (NCC) prototype web application (<u>https://devgis.charttools.noaa.gov/pod/</u>)
 - o The NCC allows users to create their own charts from the latest NOAA electronic navigational chart data
 - Users are encouraged to provide comments on the NCC through NOAA's online <u>ASSIST</u> feedback tool (https://nauticalcharts.noaa.gov/customer-service/assist/).
 - For more information and to view a video tutorial, see <u>https://www.nauticalcharts.noaa.gov/updates/explore-the-refreshed-enc-based-noaa-</u> custom-chart-tool/
- Precision Navigation Data Workshop
 - The Precision Navigation program will hold an annual workshop on September 30-October 1
 - Invitation -- https://files.constantcontact.com/dd00e54f001/8628cb4f-5d04-4b34-b8e2-d0b63b5ee1ba.pdf
 - Agenda -- https://files.constantcontact.com/dd00e54f001/92e9d83b-b2ef-478e-aec4-ea1107e6caf3.pdf
 - Program Overview -- https://files.constantcontact.com/dd00e54f001/715e084a-8fd3-41d7-ab19-4f3801fb60f6.pdf
- Questions or problems
 - Everyone is encouraged to report questions or problems with NOAA charts and navigation services via our ASSIST website https://www.nauticalcharts.noaa.gov/customer-service/assist/

Enclose Report here

Christopher DiVeglio, Maritime Services Program Manager – PORTS reported on the following distribution.



September 4, 2020

Air gap and current meter station Instrument performance stats. Criteria - Percentages report of data which 1- Passed preliminary Quality Control (public dissemination = ON) 2- Data were 18 minutes old or less when populated into the database

6/1/20- 8/31/20

Reedy Point Air Gap – 99.9 % Delaware Memorial Bridge Air Gap – 99.9% Ben Franklin Air Gap – 98.8%

db0301 (Philadelphia) currents - 100%

db0502 (Brown Shoal LB10) currents – 72% - Data returns began to decrease in the first part of August. A routine six month instrument swap was conducted on 8/18, however upon deployment there was an issue with the batteries and wiring so data transmissions could not be brought back online. A follow up, unscheduled visit has been approved and will take place in the next few weeks, in order to get the station fully back up and running.

Ben Franklin Construction

On 9/3/20, NOAA/CO-OPS adjusted the air gap offset to reduce the air gap clearance by 2 feet. The attached letter was sent to the widespread Delaware River maritime community. This letter documents the offset change during long term bridge painting/ construction. A disclaimer (see attached) has been added to the Ben Franklin NOAA PORTS pages. <u>https://tidesandcurrents.noaa.gov/ports/ports.html?id=8545556&mode=show all</u>

Delaware River Current Survey

NOAA is still planning to complete a current survey next summer (2021) in an effort to update the tidal current predictions (Delaware Bay and River). If anyone has questions about where equipment will be temporarily deployed and/or the schedule, please contact project lead Katie Kirk, directly. <u>katie.kirk@noaa.gov</u>

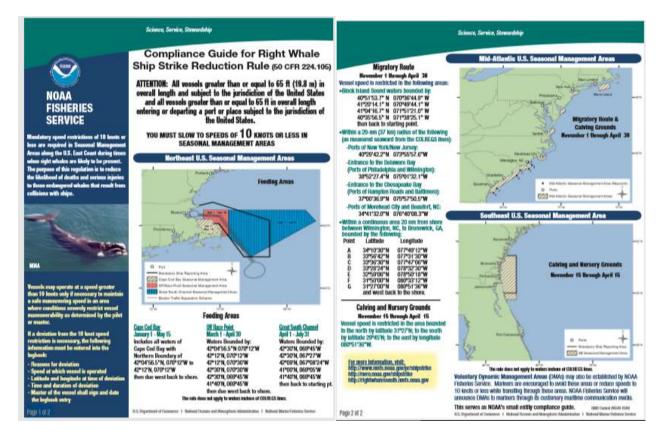
Thanks, Chris

Christopher DiVeglio Maritime Services Program Manager NOAA <u>PORTS® Program</u> Center for Operational Oceanographic Products & Services (CO-OPS) NOAA / National Ocean Service 1305 East-West Hwy, SSMC 4, Sta. 6609 Silver Spring, MD 20910 240-533-0571 (office) | 240-620-6919 (mobile,text) christopher.diveglio@noaa.gov On the topic of Tidal Current Survey in the summer of 2021, Chris DiVeglio (NOAA) reported that Katie Kirk is the project lead. Captain Griffin and Katie Kirk discussed that surveys are done every 20 years but most of the current predictions are based upon surveys done in 1985. Katie added that there are a lot of other predictions based upon data from the 40s and 50s.

Captain Griffin went on to say that we worked closely with Katie and NOAA as to where to locate the survey stations. He thanked Captain Nick Warmouth and other Docking Pilots for supporting the effort and offering their time, insights and energy. Katie thanked all that were involved, and said she will keep everyone updated as to where the 35 station locations will be and when they are put in.

Peter Kelliher, Marine Mammal Vessel Strike and Monitoring Coordinator, prepared a special presentation on the Right Whale Strike Reduction Strategy for the MAC. Following the meeting, The Maritime Exchange coordinated with Peter and distributed this concise 2-page Compliance Guide to steamship agents and lines using the Delaware River ports.

Peter Kelliher, Marine Mammal Vessel Strike and Monitoring Coordinator NOAA Fisheries Service, Greater Atlantic Region, 55 Great Republic Drive, Gloucester, MA 01930 Direct: (978) 2828474. peter.kelliher@noaa.gov



V. USCG

D5- Sector Delaware Bay The following representative of USCG reported on the distribution below: Captain Jerry Barnes WWM, CDR Doherty, on behalf of Captain Theel, The new Waterways Chief Lt. Jordan Marshall, and Boatswain St. John

Mariners Advisory Committee (MAC) For the Bay & River Delaware Fifth Coast Guard District and Sector Delaware Bay Waterways and Aids to Navigation Report for September 10, 2020



1. Hurricane Seasonal Alert

- a. Hurricane Seasonal Alert was set on June 1, 2020 and will remain in effect through November 30, 2020 unless otherwise established.
- b. All vessels, facilities and marinas are asked to take adequate precautions and review the U.S. Coast Guard Sector Delaware Bay Port Hurricane Contingency Plan, dated April 2016. The plan is available on the Sector Delaware Bay Homeport page.

2. Novel Coronavirus (COVID-19)

- a. The Coast Guard is continuing to monitor the novel coronavirus outbreak. The situation is continually evolving. We have additional screening procedures in place for vessels arrivals to include last ports of call and crew member embarkation places and dates. We are in close communication with CDC, CBP, and the local health departments.
- b. MSIBs relating to COVID-19 are available on the Sector Delaware Bay Homeport page under Maritime Transportation System (MTS) Recovery.

3. Object Removal

a. Object removal within the Delaware River is complete as of September 8th.

4. Philadelphia to Sea Maintenance Dredging

- a. Safety zone 1: All waters within 250 yards of Dredge ESSEX.
- b. Safety zone 2: All waters of Marcus Hook Anchorage.
- c. 12 Hour limit within Marcus Hook Anchorage (Reduced from 48 hours).
- d. See the most recent Update to MSIB 23-20 for current vessel traffic patterns and information regarding available anchorage space.

5. Navigation Safety Equipment Deviation Request Form Update

a. Port State Control has updated the request form for vessels requesting a Letter of Deviation. See MSIB 18-20 for further information.

6. Benjamin Franklin Bridge

a. Scaffolding is being installed on the Ben Franklin Bridge. Near daily use of the traveler car necessitates advance notification for vessels transiting upriver via VHF-FM Channel 13. When the traveler car is in place, vertical clearance is reduced by approximately 14 feet.

Sector Delaware Bay Aids To Navigation (ATON) Updates

1. Kinkora Upper Range Rear Light

a. Construction has begun and it is 98% completed. Final inspection pending.

2. CGC WILLIAM TATE

a. Currently in a dockside maintenance period that is scheduled be completed at the end of September. They will start their seasonal run mid-November.

3. Aids To Navigation Team (ANT) Philadelphia

a. Will start seasonal ATON on November 1.

4. Aids to Navigation Team (ANT) Cape May

a. Will start seasonal ATON on November 1.

District Five ATON Updates

1. Rebuild Liston/Reedy Range Lights

a. This project will entail the relocation/rebuild of front and rear structures for both ranges. The new range front light will be constructed at the intersection of both ranges and will serve as a combined range front structure. Separate rear structures will be constructed. The project remains on schedule to have the design completed in FY20 and construction begin in FY21.

2. Rebuild New Castle Front/Rear Range Lights

a. This project will entail the relocation of the front and rear structures for the range. The existing range front and rear towers located on land will be demolished. The new range front light will be constructed near the edge of the channel. The new rear light will be constructed near the shoreline in front of the existing front tower in approx. 22 feet of water. Both new structures will have mono-pile type foundations driven into the river bottom. All optics will be changed to solar power. The project remains on schedule to have the design completed in FY20 and construction begin in FY21.

3. Delaware Ice Breakwater Lights

a. The project scope is to remove the abandoned towers (foundations to remain) at Delaware Bay Ice Breakwater Lights "W" and "2". Repair the JRIRS "W" light and install a new mono-pile structure at light "2" buoy location. Also the removal of the 30 ft leaning tower at Harbor of Refuge North End Light 1 and rebuild a new structure. The project remains on schedule pending updated information on award date.

4. Waterways Analysis and Management System Reviews:

a. Nation's Shallow Draft Waterways ATON System: The Coast Guard is conducting a WAMS Study on the Shallow Draft System (waters less than 12 feet). The purpose of the study is to determine the navigational needs and requirements of vessels operating in shallow draft navigable waterways throughout the country. The study will focus on the existing shallow water Aids to Navigation (ATON) system, future development projects, waterborne commerce transiting these waters, and marine casualty information. Waterway users, interested parties, and stakeholders are invited to provide comments or feedback via the tool posted at <u>Shallow Draft Waterways Analysis and Management System (WAMS) Study Survey</u>. This link will remain available until November 1, 2020. Further questions or comments may be emailed to CGNAV@uscg.mil using the subject line: "Shallow Draft".

5. Port Access Route Studies, Shipping Safety Fairways:

- a. Atlantic Coast: On Jun 19, 2020, the Coast Guard announced in the Federal Register via an ANPRM that it seeks comments regarding the possible establishment of shipping safety fairways along the Atlantic Coast of the United States identified in the Atlantic Coast Port Access Route Study. The intent is ensure that traditional navigation routes currently used by mariners are kept free from obstructions that could impede safety. Comment period closed on August 18, 2020. Docket Number: USCG-2019-0279.
- b. Seacoast of New Jersey and Approaches to the Delaware Bay: On May 5, 2020, the Coast Guard announced in the Federal Register that the Fifth District and Sector Delaware Bay will be conducting a PARS to determine whether existing or additional routing measures are necessary along the seacoast of New Jersey and approaches to the Delaware Bay. Comment period closed Jul 6, 2020. In response to four separate requests, the Coast Guard intends to reopen the comment period for 30 days and hold at least two virtual public meetings in the coming months (expected late Oct –early Nov 2020). Docket Number USCG-2020-0172.

6. <u>Anchorages:</u>

a. Delaware Bay and Atlantic Ocean, Delaware: On Nov 29, 2019, the Coast Guard published a notice of inquiry, request for comments, on the need to establish new anchorage grounds in the Delaware Bay and Atlantic Ocean. 42 comments were received. Initial analysis shows an overwhelming percentage of comments (66%) involved environmental concerns (including fuel bunkering spill concerns, endangered species concerns and sensitive areas in Anchorage B). 9 comments (21%) expressed concerns over view shed and tourism impacts. 5 (12%) were supportive from maritime stakeholders. 3 (7%) were from wind energy proponents that expressed concerns about anchorage locations impacting planned electrical transmission line routes. On May 19, 2020, the Coast Guard held a conference call with Dr. Dewayne Fox from Delaware State University to better understand his research and concern regarding impacts from anchoring to the Atlantic Sturgeon in the Delaware Bay. Call summary will be posted to the docket in near future. The Coast Guard intends to reopen the comment period for 30 days and hold at least two virtual public meetings in the coming months (expected late Oct-early Nov 2020). Docket Number: USCG-2019-0822.

7. Offshore Wind:

New Jersey

- a. State Commitments: On Nov. 19, 2019, New Jersey more than doubled its target for offshore-wind energy production under an executive order (EO No. 92) signed by Gov. Phil Murphy. The EO raises NJ's goal from 3.5 GW of offshore wind-energy generated electricity by 2030 to 7.5 GW by 2035. The New Jersey Board of Public Utilities granted the state's first award for offshore wind to Ørsted's Ocean Wind 1,100 MW project. In Jan 2020, Gov Murphy signed an offshore wind solicitation bill into law which expanded the definition of a "qualified offshore wind project" to include "offshore wind transmission facilities." On Mar 3, 2020, the State released its timetable for its 7.5GW offshore wind procurement program, which calls for solicitations of 1.2 GW in Q3 2020, Q3 2022, Q3, 2024, followed by solicitations for 1.4 GW in Q3 2026 and Q3 2028.
- b. Ocean Wind (OCS-A 0498), 160,480 acres offshore NJ-south): SAP approved May 17, 2018; COP submitted Aug 15, 2019; Nav Safety Risk Assessment currently under revision by Orsted. Orsted plans to install up to 99 (12 MW) turbines capable of generating 1,110 MW. Facility may include inter-array cables, up to three offshore substations, and up to three onshore stations. Orsted is actively conducting site characterization activities and wind farm is expected to be operational in 2024. Two FLiDAR buoys that have been established may be discontinued in near future. Project determined to be a covered project under Title 41 of the Fixing America's Surface Transportation Act (FAST-41) and added to the Permitting Dashboard on Oct 29, 2019. On May 18, 2020, BOEM hosted an interagency meeting with cooperating and participating agencies in order to provide an overview of the COP, review a purpose and need statement, and discuss a generic authorization timeline. Notice of Intent expected to be published Nov 2020 or later. Project is expected to be operational in 2024.
- c. Atlantic Shores (OCS-A 0499, 183,353 acres offshore NJ-north): SAP submitted Dec 2019; COP/NSRA anticipated Dec 2020. 1. Pre-survey meeting held with BOEM on Feb 20, 2020. EDF Renewables and Shell New Energies are actively conducting site characterization activities and consulting with USCG regarding potential turbine sizing and layout. Site has the potential to generate up to 2.5 GW. Notice of Intent expected to be published Aug 2021 or later. Project is expected to be operational in 2026.
- d. New York / New Jersey Ocean Grid Project: On April 30, 2019, BOEM received and application from Anbaric Development Partners for a Right of Way grant on the OCS offshore NY and NJ. The proposed project would entail the construction, installation, and operation of an offshore transmission system of approximately 185 NM of submarine cable on the OCS and approximately 118 NM of submarine cable on State submerged lands to deliver

offshore wind energy generation to the onshore electric grid. BOEM recently determined there is no competitive interest. In Jan 2020, Gov Murphy signed an offshore wind solicitation bill into law which expanded the definition of a "qualified offshore wind project" to include "offshore wind transmission facilities" such as this project.

e. Hudson South – New York Bight Call Area: BOEM intends to lease additional wind energy areas offshore New Jersey referred to as Hudson South. The Hudson South area is the largest of four areas under consideration in the vicinity of New York Bight.

Delaware

- a. Skipjack Offshore Energy (OCS-A 0519, 26,332 acres offshore DE-south): Southern portion of lease OCS-A 0492 assigned to Skipjack Offshore Energy at the request of Garden State Offshore Energy and approved by BOEM on June 12, 2018. Southern portion now carries a new lease number OCS-A 0519. Will include up to 16 wind turbines, 8 MW to 12 MW each, spaced approximately 0.7 to 0.87 nm apart, and up to 1 offshore sub-station. Blade height of 641' to 860'. COP submitted July 2019. FLiDAR buoy deployed Jan. 22, 2020.. Project determined to be a covered project under Title 41 of the Fixing America's Surface Transportation Act (FAST-41) and added to the Permitting Dashboard on Apr 8, 2020. On May 5, 2020, BOEM hosted an interagency meeting with cooperating and participating agencies in order to provide an overview of the COP, review a purpose and need statement, and discuss a generic authorization timeline. Notice of Intent expected to be published Nov 2020 or later. Operations expected 2024.
- b. Garden State Offshore Energy I (OCS-A 0482, 70,098 acres offshore DE-north): Site Assessment Plan (SAP) submitted Jul 25, 2018 and approved Dec 6, 2019. Orsted actively conducting site characterization activities; FLiDAR buoy deployed Jan 22, 2020. Construction and Operations Plan (COP) due to BOEM by Jun 1, 2019; however, BOEM approved term extension on Nov. 26, 2019.

Maryland

c. State Commitments: Maryland's Offshore Wind Energy Act of 2013 amended the state's renewable energy portfolio standard to include offshore wind and to provide financial support for projects in the form of Offshore Wind Renewable Energy Credits (ORECs). In May 2017, the Maryland Public Service Commission (PSC) awarded both Orsted and US Wind Offshore Wind Renewable Energy Credits (OREC) for 120 MW each, and Orsted and US Wind agreed to invest \$115 million in port infrastructure and steel fabrication facilities in Baltimore. In its announcement, Maryland estimated the projects would create 9,700 full time equivalent jobs and result in more than \$2 billion of economic activity for the state. In May 2019, the state passed an offshore wind mandate of 1.2 GW by 2030.

Waterways Chief Lt. Jordan Marshall added that during continued monitoring of crewmembers for Covid, we had a few instances where we had either positive or "potentially positive" results. She expressed her appreciation for all of the coordination within the port community. This includes the agents, pilots, CDC, CBP, and facility reps who kept everything moving "smoothly and prevented it from getting out of control."

She also thanked everyone for their support and coordination with the tropical storm that affected the area in August.

VI. Unfinished Business

OFFSHORE WIND

Skipjack – Ocean Wind, Captain John O'Keefe and Mid-Atlantic Marine Affairs, Orsted, Liz Kretovic:

Liz reported working with MITAGS and USMRC on two model wind farms: (1) Ocean Wind is a 1.1 GW farm and is located off New Jersey; (2) The Revolution Wind Farm is in New England.

Maryland – US Wind – Todd Summer, Director of Planning reported that we are planning to deploy the MET Ocean buoy in the spring of 2021.

BEN FRANKLIN BRIDGE PROJECT

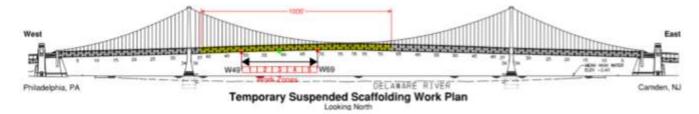
Captain Griffin discussed the following report provided for distribution during today's MAC meeting.

SKANSKA

Benjamin Franklin Bridge Rehabilitation of Suspended Spans and Anchorages Contract No. BF-54-2019

Ben Franklin Bridge Maintenance Platform - Navigable Channel Lighting Protocol

The Ben Franklin Bridge clearance will be reduced by 24" from the West Navigational Marker to 1000' east of that location. Scaffolding will be modified to hang 10" below the bottom of steel of the roadway within the navigable channel from panel point West 49 to West 69. The scaffolding system will hang 36" below the bottom of steel of the roadway outside of the referenced 1000' limits.



Lighting Plan as follows:

The current marked navigational channel beneath the Ben Franklin Bridge is located between panel points PPW39 and PPW59. The (2) red and (1) green lights marking the current channel on both the north and south sides of the bridge will be relocated to designate the preferred navigable channel (PPW49 and PPW69) as required by MTS.

As noted in the above detail the following channel lights will be installed:

• (2) Red lights will delineate the west side of the channel at PPW49 – (1) on the north side and (1) on the south of the bridge. • (2) Green lights will delineate the center of the channel at PPW59 – (1) on the north side and (1) on the south of the bridge. • (2) Red lights will delineate the east side of the channel at PPW69 – (1) on the north side and (1) on the south of the bridge. • (2) Red lights will delineate the east side of the channel at PPW69 – (1) on the north side and (1) on the south of the bridge.

Skanska will confirm that the channel lights are visible at all times during the construction period

Captain Griffin reported that the Pilot's office is implementing the collection of inbound and outbound arrival drafts and air drafts for any vessel bound for locations above the Ben Franklin Bridge over the next four years. This is critical for giving proper notice to contractors for their work with the scaffolding.

He went on to say the following: Currently, the inbound draft is restricted to 42 feet and the outbound traffic draft is restricted to 40 feet. Now that the obstructions have been removed, we will able to increase the MAC Transit Advisories. The inbound draft will increase to 43 feet and the outbound draft to 42 feet following the completion of work in Marcus Hook and the survey verification of that work.

The following document draft, indicating these changes, was presented to the MAC for discussion.



DRAFT - MAC TRANSIT ADVISORIES – DRAFT

45' Channel Transition Plan: Modified Stage Two Transit Advisories (10.??.2020)

A scaled increase in draft restrictions to Modified Stage Two(detailed below), per the MAC Transit Advisories and the 45' Project Channel Transition Plan, is anticipated at the earliest possible date, subject to successful completion and post-dredge surveys from the Norfolk Dredging Company maintenance dredging on Marcus Hook Range (expected completion late September/early October 2020).

The maximum inbound fresh water draft for river transit from sea to Beckett Street is 43 feet. This 43' draft restriction shall be effective for a period of not less than 6 months. During this time period, a minimum of three round-trip vessel transits (three inbound/three outbound) in excess of 42' inbound/40' outbound draft shall be safely completed before consideration of scaling up draft restrictions. -All vessels arriving with a fresh water draft in excess of 40' are to transit during flood current only. -All vessels over Panamax size beam (106 feet) with a block coefficient of .70 and above (see appendix) having a fresh water draft in excess of 38'-06", shall only transit during flood current. - All vessels up to and including Panamax size beam (106 feet) having a fresh water draft of 40 feet and under should arrange their river transit to afford a minimum of three feet clearance in the Marcus Hook area. The clearance should give due consideration to vessel squat, predicted tide, and the wind effect on actual tide.

The maximum outbound fresh water draft for river transit from Beckett Street to sea is 42 feet. -Vessels outbound from Beckett Street, Packer Avenue, and Eagle Point having a fresh water draft of 39 feet and up to 42 feet should arrange to sail from 4 hours before low water up until low water (use reference station Philadelphia) -Vessels outbound from Paulsboro having a fresh water draft of 39 feet and up to 42 should arrange to sail from 2 hours before low water up until 2 hours after low water. (use reference station Marcus Hook) -Vessels outbound from Marcus Hook having a fresh water draft of 39 feet and up to 42 should arrange to sail from 1 hour before low water until 3 hours after low water. (use reference station Marcus Hook) -Due to the extended time of transit for these particular deep draft vessels, two (2) river pilots will be arranged for transit to sea.

Lower end of Marcus Hook Anchorage shall be reserved as a bail out/turnaround location for vessels whose draft exceeds 40' fresh water.

The above advisories are subject to change and remain a living document

NJ/DE PARS -Traffic Separation Schemes (TSS): Captain Griffin reported that public hearings are expected soon. MAC is on record and has submitted comment stating that we want to be actively engaged. We encourage everyone to participate port-wide.

VII. NEW BUSINESS

A.ANPRM- Proposed offshore routing measures. Captain Griffin reported that we have commented on this and will stay engaged as well. He asked MAC members to review the federal docket and the graphic of offshore routing measures. He added that this is a very significant proposal. If they are implemented fully, it would be a really big change off the east coast. It may have implications for everyone including offshore wind developers.

There being no further business, at 1311 Captain Griffin asked for a motion to adjourn. Captain David Cuff moved that we adjourn. Captain Stephen Roberts seconded. All approved.

Next meeting: December 10th 2020 at 1100