

TIME	DATE	BOTTOM SALINITY	BOTTOM TEMP.	REEF	SAMPLE SIZE	NO. MARKET	NO. SMALL	NO. SPAT	NO. OLD BOXES	NO. NEW BOXES	PREDATORS DRILLED SPAT?	FOULING ORGANISMS	METHOD	LORAN READING	REMARKS
9:25 AM	25 SEPT 90	X500	20.5	ABERDEEN ROCK	1/2 bowls	0	10	0	0	1		Barnacles Herk mussel Cephalopods Very few tubarians Everything FEW		Sal Bottle X500	
		17.0		"	1/2 bowl	0	2	0	0	0		"		Fouling very light shells clean Sample muddy	
York															
10:20 AM	25 SEPT 90	X501	20.5	BELL ROCK	1/2 bowl	0	8	0	1	1		Heavy Fouling lots of barnacles Mussels and Herk animals. lots of brown fuzzy fouling (bryozoans?)		Sal. Bottle X501 Many Mudscocks	
		12.5	"	"	"	0	9	0	0	0		"		"	

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2:05 PM	25 Sept 90	X502	21.3 C	Tow Stake	1/2 bu	3	1	0	6	0		Algae Worm Tubes (Plenty)		Many buried shells
		20.0		Tow Stake	1/2 bu	0	1	0	5	0		"		"
				Pultz	1/2 bu	0	22	0	1	2				
				Pultz	1/2 bu	0	5	0	0	0				
				Pultz	1/2 bu	0	55	0	3	2				

mob/ack

2:40 PM
25 Sept 1990

3:10 PM
X503
21.0

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9/26 1015		X504	20.0	Thomas Rock	1/2 bu	0	15	24	1	3	MUD CRABS BLUE CRABS	few barnacles		'DEPTH; 5.5' old shell; shell hash
		16.0			1/2 bu	0	23	43	4	7				
James					1/2 bu	0	13	42	1	1				
9/26 1107		X507	21.0	Nanseewind Ridge	1/2	0	21	75	7	3	MUD CRABS	reef sponge barnacles		DEPTH; 5.0' old shell
		19.0			1/2	0	21	39	2	4				
					1/2	0	36	61	2	2				

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10:00	9-27-90	X515	20.2	Burton Pt	1/2 hr	0	84	534	0	27				
		16.5		Burton Pt	1/2 hr	0	73	820	5	24	1 <i>Urosalpinx</i>			
	Piankatan			Burton Pt	1/2 hr	0	78	479	2	8				
11:20	9-27-90	X517	21.0	Palace Bar	1/2 hr	0	41	377	21	26				
		16.0		Palace Bar	1/2 hr	0	45	245	9	15				
				Palace Bar	1/2 hr	0	44	322	7	5				

13:00

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	9-27-90	X 518	21.5	Ginney Pt	1/2 bu	0	36	301	14	15	1 Stylochus			
	16.0			Ginney Pt.	1/2 bu	0	43	370	15	17				Saw Stylochus in samples
				Ginney Pt.	1/2 bu	0	51	320	6	27				



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9/28 1006	X520		21.3	Horseshoe	1/2 bu	11	99	534	5	7	Mud crabs	Barnacles Mussels		Shell lost DEPTH: 7.5
	12.0					14	75	451	0	2				
James						8	99	651	2	7				
9/28 1053	X519		21.2	pt. of Shoals	1/2 bu	14	138	150	2	3	Mud crabs	Barnacles Mussels		Shell DEPTH 5.2'
	13.0					15	140	97	6	4				
						12	142	220	7	3				

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9/28 1309		X521	21.4	LONG ROCK	1/2bu	6	69	125	5	3	MUD CRABS	Barnacles Mussels		Shell DEPTH = 4.1'
		12.0			1/2	12	70	130	5	10				
James					1/2	11	48	155	13	3				
9/28 1407		X225	21.8	DRY SHOAL	1/2bu	2	83	55	7	1		Barnacles Mussels		Shell DEPTH = 5.7'
		14.0			1/2	1	57	22	7	3				
					1/2	1	62	54	1	6				

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10/1 1113		X523	20.8	Fleetor	1/2	0	147	280	7	13	Mud crabs. Stylocbura	Mussels Barnacles		0 lat shell; mud DEPTH: 11'
		17.5			1/2	8	108	173	8	10				
Great Wisconsin					1/2	8	190	256	9	15				
10/1 1214		X524	21.5	Whaley	1/2	0	64	27	4	4	Blue crabs	Mussels Crepidula		Shell: black shell DEPTH: 14'
		18.0			1/2	0	164	23	5	25				
					1/2	1	185	16	11	26				

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10/2 1027		X526	20.0	Broad creek	1/2	2	68	265	6	11	mud crabs blue crab	mussels barnacles		old shell DEPTH - 14'
10/2		18.0		Broad creek	1/2	2	106	260	1	5				
Rapp					1/2	0	75	223	4	10				
10/2 1147		X527	21.2	Parrot creek	1/2	0	20	41	1	1	mud crabs	barnacles		old shell mud Depth 8.6'
		17.5			1/2	2	12	48	0	0				
					1/2	0	18	55	1	0				

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10/2 1315		45.28	20.8	Drumming Ground	1/2	0	4	14	0	4	mud crabs Toud fish	algae red sponge mussels		Mya shell old shell DEPTH: 10'
Rapp		18.0			1/2	0	2	30	0	2				
10/2 1343		45.29	21.5	middle ground	1/2	0	32	6	1	1		Red sponge mussels		DEPTH: 10"
		17.5			1/2	0	65	14	4	4				
10/2 1420		45.30	21.1	Hog House	1/2	4	7	10	0	0		mussels		old shell Mya too DEPTH: 15'
		17.5			1/2	0	7	6	0	0				

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10/3 1002	X531	20.9		Swokey Pt.	1/2	10	30	0	5	1		mud crabs mussels Mogula - lt. few barnacles		Old shell DEPTH: 13'
	16.0				1/2	9	19	1	4	0				
Rapp					1/2	2	18	2	1	0				
10/3 1040	X532	21.0		Monathes Bar	1/2	9	12	0	7	2		mud crabs Mussels lt Mogula few barnacles		Old shell Mya DEPTH 13'
	15.5				1/2	4	21	0	4	1				
					1/2	7	13	0	13	2				

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10/3 1117	X533		21.2	Bowlers Rock	1/2	10	27	0	3	0	mud crabs	Barnacles mussels		Shell; shell hash DEPTH = 8'
	13.5				1/2	18	22	0	4	0				
Rapp					1/2	16	15	0	8	0				
⊙														
10/3 1156	X534		21.0	Ross Rock	1/2	5	35	0	2	0	mud crabs	barnacles mussels		Shell; shell hash DEPTH = 5.3'
	10.0				1/2	8	40	0	1	0				
					1/2	1	111	0	0	0				

FALL SURVEY - 1990

	<u>Bottle #</u>	<u>PPT</u>		<u>PPT</u>	
Gberdeen	X 500	17	X 521	12	Long Rock
Bell Rock	501	12.5	522	14	Dry Shoal
Tow Stake	502	20	523	17.5	Fleeton
Pulty	503	20	524	18	Whaley's
Thomas	504	16	525	17.5	Haynie
	505	17	526	18	Broad Ch
	506	17	527	17.5	Parrot Ch
Norsewood	507	19	528	18	Drumming Gnd
	508	16	529	17.5	Middle Ground
	509	14.5	530	17.5	Hog House
	510	17	531	16	Swokey Pt
	511	10.5	532	15.5	Morrathio
	512	10.5	533	13.5	Bowlers
	513	10	534	10	Ross Rock
wreck	514	13.5			
Burton	515	16.5			
	516	17			
Palace	517	16			
Guiney Pt.	518	16			
Pt of Shoals	519	13			
Horsehead	520	12			