

VELERO/DELTA - 2005

Date: 9-6-05 Dive #: 6554 Grid No(s): N/A Location: Double Point Vest

Observer / Pilot: STARRE / Idamos

Time Down: 10:52 Time Up: @ surface 11:57 Recorder: Forward

Water Visibility: 6 feet Weather Conditions: Fog w/ wind (NW 10-15kts); Swell 3-4' NW w/ 1-2' wind chop

Comments: Rick's fishing SPUR - SW of Double Point - will attempt to cross

contours visible on NGA chart 18640 SW of double point. Will record every 5 minutes but not sure that Rick is running regular track.

Time	Latitude	Longitude	Depth (m)	Heading	Habitat	Comment
1100	37° 54.60	122 47.47	34m	320°	Sandy	6 foot viz / getting situated
1109	37° 54.61	122 47.42	34	320° ⊕	"	"
1114	37° 54.64	122 47.36	34	322° ⊕	"	⊕ compass in SW needed to be reset. will now try to get on course of 320° as find head bottom
1121						new course heading 280°
1124	37° 54.74	122 47.42	34	280°	Sandy	
1129	37° 54.75	122 47.48	34	280°	"	still coming up on contours
1134	37° 54.73	122 47.57	34	280°	"	30 min circ. continue on heading to find contours
1139	37° 54.81	122° 47.65	34	280°	"	
1144	37 54.81	122° 47.74	35	280°	mud/sand	check bottom type
1149	37 54.83	122° 47.81	35	280°	"	

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VELERO/DELTA - 2005

Date: 9-6-05	Dive #: 6555	Grid No(s): N/A	Location: Daise Pt. off SLO			
Observer / Pilot: Howard	Slater	Recorder: D Slater				
Time Down: 13:06	Time Up:					
Water Visibility:	Weather Conditions: ~ 500 foot overcast	wind = 11 knots	~ 3 foot swell			
Comments: location offshore of Dive 6554 - Course in direction of rocky bottom seen on ship's furrower.						
NOTE - This dive was done ~ 3 km from location we had originally intended.						
Time	Latitude	Longitude	Depth (m)	Heading	Habitat	Comment
13:11	37-54.217	122-51.6	51m	156	Sott Sand	vis 6 → 8 m on bottom
13:15	37-54.253	122-51.605	51m	156	Sott Sand	START ITIMERS
13:20	37-54.192	122-51.574	51m	156	Sott Sand	
13:25	37-54.130	122-51.555	51m	270	"	Course Change to try to find rocks
13:30	37-54.134	122-51.649	51m	270	"	
13:35:10	37-54.174	122-51.715	51m	270	"	END OF DIVE

VELERO/DELTA - 2005

Date: 9-6-05

Dive #: 6556

Grid No(s): N/A

Location: Double Pt. off shore

Observer/Pilot: hea / Lilly

Recorder: D. Roberts

Time Down: 14:42

Time Up: 15:34

Weather Conditions: ~ 500 ft overcast wind 10 kts

Water Visibility: 6-8 ft.

Comments: used ^{Rice} fathometer ^{starr} to locate rock piles. However, during

dive we missed rock piles and dive legs on sand

Time	Latitude	Longitude	Depth (m)	Heading	Habitat	Comment
14:47	37-55, 3768	122-53, 6646	54	030	MUD	On Bottom
14:51	37-55, 3935	122-53, 6398	54	045	MUD	START TRUBET
14:56	37 55, 427	122° 53, 623	53	045	"	
15:01	37 55, 470	122° 53, 572	53	045	"	
15:06	37 55, 507	122° 53, 534	53	045	"	
15:11	37°55, 560'	122° 53, 475'	52	045	"	
15:16	37-55, 605	122-53, 421	52	045	"	
15:21	37°55, 648	122° 53, 365	52	045	"	
15:26	37-55, 692	122-53, 313	52	045	"	
15:31	37- 55, 741	122-53, 252	51	045	"	END of dive

VELERO/DELTA - 2005

Date: 8 SEPT 2005 Dive #: 6557 Grid No(s): C4 Location: NW Corner Cordell Bank

Observer / Pilot: deMarrignac / I James

Time Down: 0810 Time Up: 0957 Recorder: D. Howard

Water Visibility: 25' Weather Conditions: High Fog, light wind 2-5 knots

Comments: 1st dive on Cordell Bank. Ground swell 5-8 feet still with us but no wind.

Time	Latitude	Longitude	Depth (m)	Heading	Habitat	Comment
0816	38° 03.691	123° 29.466	122		flat sediment	0.5 bottom
0819	38° 03.696	123° 29.457	122	080°	rock outcrop	START Transect 1
0824	38° 03.716	123° 29.379	119	060°	rock outcrop boulders	5 min work - course A to 060° Saw last year
0827	38° 03.74	123° 29.32	118			horizontal.
0829	38° 03.76	123° 29.3079	116	starboard 10° 070°	sediment rocks	Course change to 070°
0834	38° 03.7997	123° 29.2223	109	090° 5 min	rock outcrop boulders	END Transect 1
0840	38° 03.811	123° 29.152	89	90°	medium relief boulders	START TRANSECT 2
0845	38° 03.816	123° 29.087	90	90°	med. relief rock	5 min
0850	38° 03.824	123° 29.043	80	100°	med. relief rock	course A to 100° current from southerly
0855	38° 03.826	123° 28.963	79	100°	high relief rock	END TRANSECT 2
0901	38° 03.820	123° 28.908	74	090°	high relief rock	START TRANSECT 3

VELERO/DELTA - 2005

Cordell

Date: 8 SEPT 2005

Dive #: 6558

Grid No(s):

F7

Location: mid-Bank

Observer / Pilot: Starr / Slater

Time Down: 1055

Time Up: 1247

Recorder: Howard

Water Visibility: 35-40'

Weather Conditions: High overcast but lifting - lighten; ^{wind} Skts NW

Comments: Swell still @ 5-8' but wind has stayed down. Not a regular dive site.

Trying to hit reef area where D. Howard observed YDY in 2001.

Time	Latitude	Longitude	Depth (m)	Heading	Habitat	Comment
1102	38° 01.631	123° 25.840	54m		high relief rock	on bottom
1105	38° 01.617	123° 25.832	54m	100°	"	START TRAVERSE 1
1110	38° 01.616	123° 25.734	60m	100°	"	5 min
1115	38° 01.596	123° 25.658	59m	110°	rock wall	10° to starboard
1117	38° 01.591	123° 25.643				STOP transect - photo
1130	38° 01.585	123° 25.653	52m		high relief rock	long line gear
1130	38° 01.587	123° 25.647	52m	110°	high relief rock	resume transect
1134	38° 01.570	123° 25.591	58m	110°	high relief rock	END TRAVERSE 1
	38°		54m		high relief rock	5 min run
1141	38° 01.516	123° 25.516	50m	190°		START TRAVERSE 2
1146	38° 01.441	123° 25.549	54m	180°	bedrock	5 min

VELERO/DELTA - 2005

side 2

Date: 8 SEPT 2005

Dive #: 6558

Grid No(s): E7

Location: Mid Cordell Bank

Transect # 2 (cont)

Time	Latitude	Longitude	Depth (m)	Heading	Habitat	Comment
1150	38° 01.387	123° 25.549	50	200°	rock ridge	Following ridge heading 200°
1151	38° 01.388	123° 25.538	50	200°	high relief rock	10 min
1153	38° 01.360	123° 25.549	50		"	STOP TRANSECT-Photo
1159	38° 01.376	123° 25.558	49	200°	"	Resume Transect
1203	38 01.344	123° 25.585	55m		canyon/sand wings	END TRANSECT 2
				180°		5 min run
1216	38° 01.313	123° 25.604	48	180°	high relief rock	START TRANSECT 3
1221	38° 01.249	123° 25.651	53	same	mostly boulders	course generally S
1226	38° 01.193	123° 25.695	54	N.S	high relief rock	Changing course to W
1231	38° 01.187	123° 25.780	50	—	medium relief rock	End transect
1236						Dist up).

VELERO/DELTA - 2005

Date: 8 SEPT 2005 Dive #: 6559 Grid No(s): 47 Location: Cordell Bank SW

Observer / Pilot: Lea/Lily

Time Down: 1332 Time Up: 1531 Recorder: HOWARD

Water Visibility: Weather Conditions: High Fog and clouds, wind Blows NW, seas 6-8' small

Comments: Will try to locate deep boulder habitat on west edge of the Bank, wind chop

⊗ at this point Followed boulder field instead of heading; different methodology will follow heading again on Transect 2.

Time	Latitude	Longitude	Depth (m)	Heading	Habitat	Comment
1342	37° 58.466	123° 26.715	148	—	sediment slugs	on bottom spring buoyish
1344	37° 58.473	123° 26.722	148	320°	"	START TRANSECT 1
1349	37° 58.530	123° 26.806	153	320°	"	5 min
1351	37° 58.561	123° 26.838	151	following boulders	boulder	boulder field - boulders will follow
1354	37 58.571	123° 26.861	152	240° - 340°	boulder	END TRANSECT 1
1354	37 58.628	123° 26.899	144m			320° for 5 min
1412	37° 58.731	123° 26.997	144	330°	sand / shell hash	START TRANSECT 2
1417	37° 58.772	123° 27.052	170m	330°	sand shell hash	5 min
1421	37° 58.807	123° 27.079	180m	340°	"	course change 10° starboard
1422	37 58.829	123° 27.088	179m	350°	sand sediment / shell hash	10 min

VELERO/DELTA - 2005

side 2

Date: 8 Sept 2005 Dive #: 6559 Grid No(s): H7 Location: Cordell Bank SW

transect 2 (cont)

Time	Latitude (N)	Longitude (W)	Depth (m)	Heading	Habitat	Comment
1427	37° 58.899	123° 27.130	172	350°	sand shell hash	END TRANSECT 2
				080°		5 min run
1439	37° 58.928	123° 27.052	145	330°	sand/ shell hash	START TRANSECT 3
1444	37° 58.980	123° 27.152	155	"	"	5 min
1449	37° 59.056	123° 27.239	142	"	"	10 min
1454	37° 59.093	123° 27.325	137	"	sand shell hash	END TRANSECT 3
				080°		5 min run upslope
1505	37° 59.175	123° 27.251	128	330°	flat silt bottom	START TRANSECT 4
1510	37° 59.222	123° 27.344	126	330°	"	5 min
1511	37° 59.238	123° 27.365	126	"	boulders	change in habitat
1515	37° 59.283	123° 27.410	127	"	"	10 min
1520	37° 59.341	123° 27.515	129	330°	mud sediment	END TRANSECT 4

VELERO/DELTA - 2005

Date: 8 SEPT 2005 Dive #: 6560 Grid No(s): F4 Location: Cordell Bank WEST

Observer / Pilot: Roberts / F James

Time Down: 1618 Time Up: 1801 Recorder: Humes

Water Visibility: _____ Weather Conditions: High Fog / Overcast

Comments: In rock and Boulder all four transects. I thought it would be a mud dive w/ some isolated rock outcrops (DH). Dale called up twice to report lots o' fish.

Time	Latitude	Longitude	Depth (m)	Heading	Habitat	Comment
1627	38° 00.478	123° 29.099	149	340°	sediment	current out of NE on bottom
1631	38° 00.475	123° 29.110	149	340°	"	START TRANSECT 1
1636	38° 00.565	123° 29.146	145	340°	silty slope w/ a few rocks	5 min
				320°		will try to follow contour @ 320°
1641	38° 00.617	123° 29.205	142	320°	gentle slope rocks/boulder	Down
1646	38° 00.666	123° 29.279	145	320°	" "	EUD TRANSECT 1
				040°		5 min run
1651	38° 00.697	123° 29.202	136			Longline
1652	38° 00.701	123° 29.195	134	315°	gentle slope rocks/boulders	START TRANSECT 2
1656	38° 00.761	123° 29.225	134		Powder field	lots o' fish *
1657	38° 00.791	123° 29.241	135	315°	fast sediment w/ rocks + boulders	

VELERO/DELTA - 2005

Date: **B SEPT 2005** Dive #: **6560** Grid No(s): **F4** Location: **Cordell Bank West**

Time	Latitude	Longitude	Depth (m)	Heading	Habitat	Comment
1701	38° 00, 836	123° 29, 285	135m	—	Sediment w/ rock/boulder	long line gear
1702	38° 00, 864	123° 29, 308	133m	315	flat sediment rock/boulder	10 min
1707	38° 00, 928	123° 29, 355	132	—	"	END TRAVERSE 2
—	—	—	—	040	—	5 min run
1716	38° 00, 942	123° 29, 265	130	930°	Sediment rock/boulder	START TRAVERSE 3
1722	38° 01, 051	123° 29, 291	130	330	Sediment occasional rocks	5 min
1727	38° 01, 139	123° 29, 300	130	330°	Sediment rock/boulder	10 min
1732	38° 01, 214	123° 29, 311	126	330	rock outcrop boulder	END TRAVERSE 3
—	—	—	—	040	5 min run	Boulders and big fish
1734	38° 01, 230	123° 29, 301	122	"	—	long line gear
1739	38° 01, 248	123° 29, 214	122	315°	Sediment slope rock/rock outcrop	START TRAVERSE 4
1744	38° 01, 340	123° 29, 245	120	315°	"	5 min
1749	38° 01, 429	123° 29, 277	120	315°	"	10 min
1754	38° 01, 509	123° 29, 295	120	315	flat sediment w/ rocks/boulder	END TRAVERSE 4

VELERO/DELTA - 2005

Date: 9 SEPT 2005 Dive #: 6561 Grid No(s): C2 Location: Cordell Bank Slope

Observer / Pilot: Starr / Slater

Time Down: 0803 Time Up: Recorder: Howard

Water Visibility: 30-35' Weather Conditions: Heavy Fog but high ceilings, drizzling, wind NW 8kts

Comments: Diving in new spot on slope, NW Bank area. 6-8' swell w/ 1-2' wind waves

Will start @ 300m and work up slope with transects every 25m

Time	Latitude	Longitude	Depth (m)	Heading	Habitat	Comment
0816	38° 03.413	123° 31.600	302m	Follow contour north	Sediment w/ boulders	30-35' w/z large squid / 30-35° slope
0823	38° 03.419	123° 31.621	292m	"	"	START TRANSECT 1
0826	38° 03.507	123° 31.636	298m	"	"	5 min
0833	38° 03.561	123° 31.657	305m	"	Sediment slope w/ boulders	10 min large school
0838	38° 03.640	123° 31.659	304m	"	Sediment slope small boulders	15° slope END TRANSECT 1
-	-	-	-	-	-	run up slope to 275m
0852	38° 03.722	123° 31.590	275m	Follow 275m contour	Sediment slope small boulders	START TRANSECT 2
0857	38° 03.819	123° 31.608	275m	"	Sediment slope	20 large squid 5 min
0902	38° 03.880	123° 31.601	275m	"	15° sediment slope	10 min
0907	38° 03.985	123° 31.600	275m	"	15° sediment slope	END TRANSECT 2

VELERO/DELTA - 2005

side 2

Date: 9 SEPT 2005 Dive #: 6561 Grid No(s): C2 Location: Cordell Bank Slope

start Trausct 3

Time	Latitude	Longitude	Depth (m)	Heading	Habitat	Comment
1913	38° 04.010	123° 31.511	250m	follow contour	10° sediment slope	START TRAVERSECT 3
0918	38° 04.075	123° 31.547	252	"	"	5 min
0923	38° 04.161	123° 31.502	252	"	"	10 min
0928	38° 04.264	123° 31.491	248	"	10° sediment slope	END TRAVERSECT 3
0933	38° 04.255	123° 31.417	225	"	10° sed slope	run up slope to 225m
0938	38° 03.3985	123° 31.1046	225	approx 360	10° sed slope	Start TRAVERSECT 4
0943	38° 04.427	123° 31.402	227	"	10° sed slope	10 min
	38° 04.531	123° 31.356	225	Follow contour on 360°	10° sed slope	END TRAVERSECT 4
#0938	<p>Added Oct 2007 by J. Steele</p> <p>longline seen in inter val between</p> <p>IX 3 + IX 4 by while</p> <p>renewing tapes to look for</p> <p>3 grids,</p>					
	<p>longline on reef floor</p> <p>3 stream tape - fr. water</p>					

TX 4

VELERO/DELTA - 2005

Date:	9 Sept 2005	Dive #:	6562	Grid No(s):	D8	Location:	Cordell Bank NE
Observer / Pilot:	Lea / Lily		Recorder:	Howard			
Time Down:	1104	Time Up:	12151				
Water Visibility:	30 feet	Weather Conditions:	High Fog, wind NW 8kts, swell 6-8' NW 1-3' wind waves				
Comments: viz dropped during 1 st transect to 15-20'							
Time	Latitude	Longitude	Depth (m)	Heading	Habitat	Comment	
1108	38° 02.461	123° 24.716	84		medium relief	on bottom	
1111	38° 02.463	123° 24.727	84	330°	"	START TRANSECT 1	
1116	38° 02.518	123° 24.778	82	330°	med relief cobble boulder	5 m. viz 15-20'	
1121	38° 02.564	123° 24.823	73m	330°	cobble boulder some high relief	10 m.	
1126	38 02. 622	123° 24. 885	83m	330°	low relief work sand	END TRANSECT 1	
				070°		5 m. viz run	
1134	38° 02. 711	123° 24. 732	95m	320°	sand waves	START TRANSECT 2	
1139	38° 02. 750	123° 24. 821	85m	320°	pinacle	5 m.	
1144	38° 02. 741	123° 24. 843	76m	320°	high relief rocks	10 m. Current from southerly picking up	
1149	38° 02. 818	123° 24. 872	97m	320°	single boulder sand	End Transect 2 with some reef high	

VELERO/DELTA - 2005

side 2

Date: 9 Sept 2005

Dive #: 6562

Grid No(s): D8

Location: Corbett Bank NE

Time	Latitude	Longitude	Depth (m)	Heading	Habitat	Comment
1151	—	—	—	—	—	5 min run @ 270°
1202	38° 02. 827	123° 24. 996	77m	320°	high relief rock	START TRANSSECT 3
1207	38° 02. 836	123° 25. 039	75m	320°	high relief granite	5 min
12:12	38-02.828	123-25.076	55m	320	high relief rock	10 min
12:17	38-02.836	123-25.112	67m			15 min
12:19	38-02.848	123-25.118	67m	290	high relief rock	5 min Run
12:24	38-02.868	123-25.221	89	300°	Sand + Boulders	START TX 4
12:27	38-02.895	123-25.230	91	300		
12:29	38-02.929	123-25.308	92	300	No relief Boulders	5 min
12:31	38-02.948	123-25.334	92	300		
12:34	38-02.962	123-25.386	91	300	RAE Boulder	10 min Sand
12:39	38-03.013	123-25.471	89	300	Boulder	15 min

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VELERO/DELTA - 2005

Date: 09 Sep 2005

Dive #: 6563

Grid No(s): GB

Location: ROBERTA BAY

Observer / Pilot: HOWARD

TS JAMES

Time Down: 13:58

Time Up:

Recorder: D Roberts/de Mourgas

Water Visibility: 50ft

Weather Conditions: ~ 500ft overcast

wind 3ETS 300°

Comments: Grid G-8 has not been sampled before

Time	Latitude	Longitude	Depth (m)	Heading	Habitat	Comment
04:03	37-59.088	123-24.982	67	360	Rock	<u>port vis on station</u>
14:06	37.59.098	123-24.988	67	360	Rock	
5min	14:11	37-59.156	62	360	Rock outcrop	
10min	14:16	37-59.236	60	360	scr Rock outcrop	
5min	14:21	37-59.311	61	360	Rock, rubble	<u>and T₁</u>
→	14:22	37-59.319	61	290		<u>5 min RUN</u>
152	14:30	37 59.351	60	360°	Rock outcrop	<u>Start T₂</u>
5min	14:35	37° 59 422	58	360°	Rock outcrop	<u>5 min fx</u>
6min	14:40	37° 59.495	58	360°	Rock outcrop	<u>10 min fx</u>
5min	14:45	37° 59.575	57	360°	Rock outcrop	<u>end T₂</u>

