Biology 169

Blanco Fracture Zone

L2-94-WO

ATV DIVE: A87 Tapes 1-13

by

Keith Rice

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Veh Depth	Veh. Alt	Veh. Head		Description	Time 8/27
09990	022.8	196.0		on bottom	18:36:49
11900	015.4	189.6		bioturbation	18:40:24
11900	008.9	194.5		corals	18:43:14
11900	020.4	187.7		scattered corals	18:43:14
11900	019.8	190.4		bioturbation	18:45:31
11900	028.1	187.9	/	1 fish	18:46:21
11900	015.5	190.9		bioturbation	18:49:08
11800	016.6	190.6		corals	18:51:13
11830	012.6	188.9	///	3 star fish	18:52:31
11830	013.3	182.3		white organism,	18:53:31
11830	013.3	196.3	/ ///	[redacted] several star fish, bioturbation, several scattered corals	18:56:54
11800	012.6	189.1		sea plankton? bioturbation	18:58:59
11800	014.9	190.4	/	[redacted]	19:05:05
11570	013.2	159.7	///	several starfish, bioturbation	19:17:41
11580	015.5	159.4	///	several starfish, bioturbation, [redacted]	19:21:01
11680	015.9	151.1	/ /	[redacted] 1 fish, bioturbation	19:32:32
11680	012.3	160.4	/	1 fish, several starfish, bioturbation	19:35:34
11630	009.6	157.4		core taken, bioturbation	19:48:33
11590	020.2	148.3	/	1 fish, possible rat tail	19:55:31
11490	016.3	144.2	/	1 fish, bioturbation	20:18:54
Tape 2	**Tape 2**	**Tape 2**		**Tape 2**	**Tape 2**
11370	021.2	182.8	/	star fish & rocks, large boulder	20:44:30
11370	019.6	189.4	/	1 fish	20:46:57
11370	010.6	247.1	///	3 fish, bioturbation	20:50:32
11370	013.5	177.1		sea plant	20:57:03
11370	015.7	190.6		sea plankton?	20:57:53
11370	016.7	180.5		rocky sandy sea floor	20:58:09
11320	033.1	195.0	/	1 fish	21:04:31
11320	011.2	159.2		sandy sea floor w/rocks- bioturbation	21:27:07
11320	026.8	156.0		large boulder, several smaller rocks	21:28:44

Veh. Depth	Veh. Alt	Veh. Head	Description	Time/ Date 8/ 27
11280	010.7	159.9	1 fish	21:37:37
11230	026.0	148.3	several rocks, anemone org. attached to rock, bioturbation, brittle star	21:49:15
11180	018.4	145.2	occasional corals	21:56:15
11180	015.7	144.7	spiny [redacted]	21:58:59
11130	016.6	157.2	~~sea shrimp~~	22:01:56
11130	014.9	144.9	several starfish, sandy sea floor, bioturbation- scattered rocks	22:02:19
11090	021.0	176.1	sediment covered large rock	22:04:20
11040	018.5	131.6	sandy sea floor, scattered rocks, large rock	22:09:20
10990	022.0	126.7	totally sandy sea floor	22:12:37
10950	022.8	131.6	large rock partially covered w/sand	22:13:46
10860	028.7	118.6	mostly sandy sea floor w/a few rocks congested in groups, no bioturbation	22:29:30
10810	021.7	121.1	coral?	22:33:42
10760	017.9	163.6	totally sandy sea floor, no bioturbation	22:37:06
10760	023.2	173.4	sea organism floating through water	22:37:28
Tape 3	**Tape 3**	**Tape 3**	**Tape 3**	**Tape 3**
10670	017.5	160.1	rock sample collected, sandy sea floor	22:41:26
10620	018.0	148.6	more rocks are appearing on sea floor	22:42:53
10620	020.7	159.7	brittle starfish or some type of plant, sea floor sandy- not many rocks	22:43:57

10570	018.2	157.4	possible sea cucumber, brittle starfish, totally sandy sea floor	22:48:34
10530	014.6	170.0	sea organism attached to bottom of sea floor	22:49:41
10480	015.7	166.8	1 fish, sandy sea floor	22:50:21
10480	017.2	166.5	several star fish, sandy sea floor	22:50:21
10440	017.0	181.8	clusters of rocks in groups	22:53:09
10390	017.0	186.4	sandy sea floor	22:59:03
10390	020.9	199.2	2 sea organisms floating in water	23:00:24-23:03:00
10390	109.7	177.6	~~possible shrimp~~	23:05:15
10370	017.3	185.9	1 fish, totally sandy sea floor	23:07:01
10250	015.9	165.5	combination of sand & rocks on sea floor	23:17:50
10200	014.1	154.5	2nd rock sample taken sand and rocks	23;20:51
10200	014.1	180.3	mostly sandy sea floor	23:23: 47
10200	012.8	181.0	1 fish, sandy sea floor w/rocks	23:26:45
10150	014.4	185.5	sea floor increases w/more scattered rocks	23:27:41
10160	014.9	183.5	sandy sea floor	23:31:17
10110	014.4	185.5	sandy sea floor	23:39:18
10060	008.0	214.0	cloudy, can't see anything	23:51:49
09880	017.1	175.4	sandy sea floor	00:18:48 **8/28**
09690	019.9	172.7	extremely rocky sea floor, 1 star fish	00:43:19
09690	013.8	194.5	3rd rock sample taken	00:44:15
Tape 4	**Tape 4**	**Tape 4**	**Tape 4**	**Tape 4**
09600	029.0	176.4	rocky sea floor	00:50:45
09600	023.2	174.4	1 large boulder followed by many other smaller rocks also 1 fish.	00:53:19

Veh. Depth	Veh. Alt	Veh. Head	Description	Time
09550	026.6	175.1	small fish-more rocks, a few large rocks	00:57:53
09500	022.1	188.9	much terrain (larger & smaller rocks)	01:02:30
09500	025.1	175.9	possible brittle star, much terrain (bigger rocks)	01:03:37
09460	025.4	180.3	bigger rocks to the rt. of screen w/smaller rocks to the lt. of screen	01:04:41
09460	012.5	222.3	rock sample #5 taken, rocky sea floor	01:07:38
09350	009.9	246.6	rock sample #6 taken, rocky sea floor	01:21:53
09220	021.8	179.8	large rocks	01:28:32
09130	022.4	189.9	scattered large rocks and possible sea crab	01:37:55
09080	012.2	241.7	attempted to get rock sample, but wasn't able to. rocky sea floor	01:52:38
09080	013.8	149.1	#7 rock sample taken, scattered rocky sea floor	01:55:54
08900	025.2	177.6	possible sea crab attached to rock. scattered rocky sea floor.	02:04:07
08890	017.1	183.7	possible ~~sea sponge~~	02:06:26
08850	026.0	190.1	1 fish, rocky sea floor	02:09:52
08660	015.6	196.8	rock sample #8 taken	02:17:37
08660	029.2	183.0	large boulder looks asthough it's been sliding down slope	02:24:04
08610	027.2	179.6	rock slide-steep slope	02:26:24

Veh. Depth	Veh. Alt	Veh. Head	Description	Time
08510	014.9	203.6	possible sight of bedrock surrounded by many rocks-small sample taken	02:29:13
08520	028.8	196.5	1 fish w/background of rocks	02:36:51
08520	023.7	201.7	1 fish, a large rock-many smaller rocks	02:37:55
Tape 5	**Tape 5**	**Tape 5**	**Tape 5**	**Tape 5**
08330	016.6	217.4	smaller pebbles, beginning to move down slope, variation in rock size	02:47:37
08340	014.5	237.3	rock sample taken	02:49:17
08290	027.2	210.0	pile of rubble	02:52:42
08240	029.6	221.6	possible sight of bedrock, scattered rocks	02:54:32
08240	044.5	213.5	Bedrock!	02:56:32

Veh. Depth	Veh. Alt	Veh. Head	Description	Time
08190	022.0	231.5	crab	02:59:26
08190	016.6	230.9	rock sample taken, bin # 9	3:00:46
08190	049.8	196.8	several sea organism, corals, crab	3: 03:04
08150	045.2	180.3	plant life	3:03:43
08150	023.7	187.9	combo of rubble & bedrock, crab	3:04:47
08140	025.8	201.9	valley dikes	3:06:21
08100	010.9	242.0	rock sample taken	3:13:20
08000	014.6	220.3	1 fish-bedrock	03:19:41
07960	033.7	211.0	biolife in clusters	03:21:38
07960	009.8	214.4	a possible sponge	03:24:02
07960	026.6	174.6	clusters of plant life in groups	03:26:17
07720	067.9	179.3	lots of plant life	03:33:56
07630	037.3	189.1	clusters of plant life, photos taken, much bio life	03:36:40
07540	036.5	187.2	many corals	03:41:59
07490	027.7	159.9	ridges!	03:45:35
07490	027.9	187.9	star fish	03:47:10
07490	014.8	187.9	rock sample, plant life	03:51:12
07440	035.7	159.4	moving along a ridge, plant life scattered about	03:54:03
07170	022.2	260.6	rock sample taken many smaller rocks, bedrock!	04:21:28
07070	011.3	261.1	core sample taken	04:33:48
07070	009.9	247.4	rock sample taken	04:37:30
07070	010.4	215.4	sea crab, photo taken	04:45:53
Tape 6	**Tape 6**	**Tape 6**	**Tape 6**	**Tape 6**
07070	011.5	247.4	orange corals-rocky sea floor. combination of larger & smaller rocks	05:26:52
07070	011.9	006.8	coral, a variety of plant life, rock sea floor, crab	05:28:18

Veh. Depth	Veh. Alt	Veh. Head	Description	Time
07070	009.9	020.6	~~large sponge?~~ much plant life, many rocks. approaching downslope	05:29:42
07070	010.8	020.1	sea crab, much plant life	05:30:22
07070	014.4	019.3	possible ~~small sponge~~	05:32:56
07070	011.5	111.0	sea crab! smaller rocks on left-larger rocks on right	05:33:43
07070	014.3	113.2	rattail fish-rocky sea floor	05:36:43
07070	012.9	108.8	possibly 2 crabs, ~~large sponge,~~ rocky sea floor,	05:38:47
07070	008.8	114.2	rattail fish moving downslope, rocky sea floor- 1fish	05:39:56
07020	023.2	118.1	~~clusters of sponges,~~ rocky sea floor	05:40:39
07020	028.8	122.3	2 rattail fishes, ~~clusters of sponges~~	05:40:54
06980	023.1	121.8	~~many sponges,~~ rocky sea floor	05:44:36
06980	012.2	121.6	sea crab- ~~many~~ sponges, rocky sea floor	05:46:52
06980	011.8	117.6	rattail fish, ~~many sponges~~	05:48:39
06980	013.5	153.0	sea crab leaving smaller pebbles, approaching larger pebbles	06:03:47
07020	013.0	340.7	ridge- some type of plant life	06:14:35
07070	020.4	123.0	sea crab- possible sea sponge	06:20:03
07070	015.5	117.9	sea crab	06:21:41
07120	015.3	103.6	lolly pop type sea plant	06:25:31
07120	026.9	103.6	rattail fish	06:26:16

Veh. Depth	Veh. Alt	Veh. Head	Description	Time
07170	011.9	110.3	smaller rocky pebbles, some scattered plant life, small rocks	06:28:15
07210	013.0	107.6	transition from smaller pebbles to larger rocks-some corals	06:41:16
07210	016.5	107.1	transition from terrain to a relatively flat sea floor	06:42:18
07210	014.3	107.6	flat sea floor changes to larger rocks-sea crab	06:44:06
07260	027.1	100.7	rattail fish, pebbly sea floor	06:50:52
07260	028.2	106.6	relatively smooth sea floor-some white specks	06:53:22
07350	013.9	103.9	corals scattered about, semi rocky sea floor	07:14:56
07350	013.2	106.8	sea crab	07:17:34
Tape 7	**Tape 7**	**Tape 7**	**Tape 7**	**Tape 7**
07400	012.6	103.6	strange sea floor, no visible plant life	07:24:17
07400	016.5	100.4	transition from strange sea floor to a rocky sea floor	07:28:14
07350	019.2	106.8	rattail fish-rocky sea floor	07:32:43
07400	013.9	106.3	rattail fish, mottled sea floor, white specks	07:43:46
07400	016.8	106.8	scattered rocks on sea floor, no visible plant life	07:48:48
07440	012.9	074.4	loose sediment, white specks on ocean floor	08:05:31
07440	013.4	029.7	smooth sandy sea floor, some bioturbation white specks, no visible plant life	08:14:25

Veh. Depth	Veh. Alt	Veh. Head	Description	Time
07440	013.3	031.4	transition from smooth sea floor to rocky sea floor- no visible plant life	08:25:33
07440	014.7	356.5	approaching plant life, many rocks, ridge	08:26:18
07440	013.5	361.1	ridge	08:27:12
07400	015.8	096.7	smooth sea floor to rocky sea floor, no plant life	08:41:13
07350	014.9	045.4	more plant life, more terrain	08:45:01
07310	019.9	048.1	groups of plant life, many rocks	08:48:19
07310	013.6	100.7	scattered plant life, a few large boulders-many smaller rocks	08:51:18
07310	014.3	095.8	sea crab, plant life	08:51:38
07310	009.9	094.0	2 large rocks, ~~1 sponge~~, smaller plant life, rocky sea floor	08:53:16
07310	011.9	095.0	sea crabs, [redacted] rocky sea floor	08:56:39
07310	012.6	096.5	[redacted]	09:01:00
07310	011.8	095.8	black fish, fault scrarp rocky sea floor	09:01:19
07310	012.1	097.7	sea crab	09:10:46
07310	012.7	095.0	from rocky sea floor to smooth sea floor, no life	09:13:38
07310	016.2	097.7	rocky sea floor on left smooth sea floor on right	09:18:04
Tape 8	**Tape 8**	**Tape 8**	**Tape 8**	**Tape 8**
07350	013.2	096.7	many sea corals, rocky sea floor	09:23:20
07350	010.9	106.8	sea corals- scattered rocks, flat sea surface	09:28:39
07350	017.5	105.6	many sea corals, rocky slope, ~~1 fish~~	09:34:22

Veh. Depth	Veh. Alt	Veh. Head	Description	Time
07400	016.5	110.5	flat sea floor no plant scattered rocks	09:39:48
10350	012.0	185.7	flat sea surface, many starfish	13:38:14
10440	009.1	190.6	sandy sea floor, no sea life	13:45:31
10530	009.1	199.2	1 fish-rocks covered w/sediment-scattered rocky sea floor	13:49:40
10530	020.7	212.0	rocky sandy sea floor	14:07:56
10440	025.4	207.6	1 fish, rocky sea floor, white circular object on sea floor	14:12:08
10440	025.6	206.1	denser rocks in clusters, bigger rocks	14:13:12
10390	017.4	177.8	attempting to sample	14:16:21
10390	014.9	189.4	rock sample taken	14:33:35
10300	019.7	187.9	continuos rocky sea floor, no plant life	14:43:28
10200	023.8	189.6	instances where it's sandy then rocky or vice versa	14:46:03
10060	019.8	189.6	large boulders, no plant life	14:55:27
10020	023.2	186.9	rattail fish, rock sea floor	14:57:04
09880	024.4	193.6	not as many large boulders, also instances where it's sandy then rocky	15:03:22
09880	025.1	194.1	continually rocky sea floor, no plant life	15:04:35
09830	026.3	192.6	rock slide area steep slope	15:06:08
09830	026.3	200.2	attempting to get core sample-not able to get sample	15:08:28

Veh. Depth Tape 9	Veh. Alt. Tape 9	Veh. Head Tape 9	Description Tape 9	Time Tape 9
09830	018.2	227.2	discoloration in sea floor-semi rocky sea floor	15:13:22
09830	020.7	206.1	sample collected	15:14:47
09830	020.5	206.8	rock slide area, discoloration in sea floor	15:16:07
09830	020.7	210.3	attempting core sample-no core sample taken	15:17:08
09830	020.2	213.0	small rock sample taken	15:20:34
09830	020.1	214.7	rock sample taken, discoloration	15:21:19
09780	035.4	194.5	rocky sea floor-sediment covered-terrain	15:22:36
09690	040.2	192.3	rocky ridges, very terraineous area	15:26:36
09550	029.0	204.6	very rocky sea floor	15:33:01
09500	024.6	219.6	rock sample taken	15:38:06
09500	018.8	215.7	in areas sea floor is white	15:40:37
09500	011.0	221.3	attempting to core, core was white powdered stuff.	15:43:33
09500	010.0	220.3	dropped powered stuff in basket	15:48:24
09410	027.1	194.2	rocky sea floor, moving upslope	15:54:44
09410	020.1	204.9	ridge-very rocky	15:56:01
09320	030.2	204.4	ridge!	16:00:04
09270	024.3	205.4	large boulders surrounded by many smaller rocks	16:02:26
09270	017.3	203.4	rock sample taken, rocky sea floor	16:05:21
09220	028.1	199.2	1 fish, ridge to the left smaller pebbles to the right, no plant life	16:11:11

Veh. Depth	Veh. Alt	Veh. Head	Description	Time
09130	032.0	204.1	continuos ridges around rocks	16:16:37
09040	036.5	207.1	large boulder on downslope	16:21:32
09040	027.1	206.8	1 fish, a few rocks on downslope	16:22:27
08990	021.3	204.1	many smaller pebbles	16:24:32
08850	026.9	206.3	rattail fish-1 white fish- smaller pebbles in back ground.	16:30:05
08850	022.4	204.4	1 starfish, no plant life	16:31:27
08800	028.5	204.4	1 fish-1 rattail fish. 1 large boulder	16:33:54
08710	037.6	211.5	white patchy ridge	16:41:58
08660	029.9	211.5	rocky sea floor	16:44:07
08610	023.4	268.3	1 fish , lots of rubble on sea floor	16:47:15
08570	023.8	211.5	small upgrade, slope covered w/rocks	16:49:43
08570	029.7	210.5	rattail fish	16:51:58
08380	026.9	214.2	many rocks, larger & smaller rocks	17:05:00
Tape 10	**Tape 10**	**Tape 10**	**Tape 10**	**Tape 10**
08290	020.8	213.0	smaller rocks	17:10:01
08140	021.0	211.0	ridge w/smaller rocks	17:20:42
08100	030.9	217.4	more white discoloration of sea floor	17:23:09
07960	034.2	216.4	~~two rattail fish~~, darker coloration in sea floor	17:32:40
07820	022.5	238.0	1st sign of corals in a while-many rocks	17:43:31
07770	023.0	218.9	crab- rocky sea floor	17:48:22
07720	022.9	222.8	1 black fish- more corals are appearing	17:52:07

Veh. Depth	Veh. Alt	Veh. Head	Description	Time
07720	023.4	221.6	smaller rocks (pebbles) 1 fish, no sediment covering	17:54::42
07630	026.2	219.9	Bedrock!	18:01:04
07630	035.7	214.0	sponges, sea crab, much plant life	18:10:59
07580	020.1	247.6	many rocks & rubble, not sediment covered	18:17:27
07580	028.9	187.7	corals, rocks	18:24:09
07540	017.8	219.4	large rock.	18:28:02
07540	016.8	215.9	many larger & smaller rocks-a few corals	18:28:35
07540	019.0	217.4	a few boulders, larger & smaller rocks- scattered plant life	18:29:51
07540	019.0	221.3	leaving rocky sea floor, approaching small pebbles & flat sea floor-scattered plant life	18:33:49
07490	016.2	244.4	leaving flat sea floor, approaching rocky sea floor-scattered plant life	18:35:09
07490	015.0	229.7	ridge-rock ledge, scattered sea life	18:36:37
07490	019.6	219.1	mounds of pebbles, scattered sea life-not sediment covered, ~~small fish~~	18:41:27
07490	016.5	231.2	mounds of pebbles w/flat areas in between	18:43:43
07450	021.2	232.4	large rock w/sea anemone attached, larger and smaller rocks	18:45:26

Veh. Depth	Veh. Alt	Veh. Head	Description	Time
07440	018.7	222.3	1 fish w/ rocks in background, downslope to the right of camera	18:48:58
07400	014.0	224.0	some sediment covered rocks-scattered plant life	18:50:30
07400	014.8	223.0	1 fish, scattered plant life	18:51:03
07400	017.3	231.2	~~Black fish~~	18:54:53
07360	012.7	225.0	stick plant, rocky sea floor	18:57:29
07400	010.5	302.9	sea crab?	19:11:35
Tape 11	**Tape 11**	**Tape 11**	**Tape 11**	**Tape 11**
07400	010.4	277.6	rocky sea floor-hill type surface	19:16:49
07400	012.9	286.9	small sea crab on rock-rocky sea floor-flat terrain	19:25:48
07400	013.6	283.0	1 large boulder	19:26:57
07400	009.7	283.7	rocky sea floor w/some sediment-flat terrain	19:28:26
07400	010.2	260.9	white coloration-sediment covered in areas, small rocks-flat sea floor	19:33:50
07400	017.5	221.6	more rocks	19:36:51
07350	012.9	046.9	approaching downslope, scattered corals & other plant life-1 fish	19:41:34
07350	014.7	105.6	scattered rocks, some sediment, not much plant life	19:50:44
07360	016.3	106.3	crab, rocks, gravel	19:59:33
07350	015.7	105.1	discoloration in sea floor, white patches; no plant life, flat terrain	20:00:01
07350	016.0	101.9	no p[ant life, more rocks	20:05:33

Veh. Depth	Veh. Alt	Veh. Head	Description	Time
07350	018.0	026.6	1 fish-rocks, not much plant life	20:21:41
07350	015.5	073.4	possible sponge-much terrain, no other plant life	20:24:23
07350	011.5	082.0	~~crab~~-rocky all around	20:25:25
07350	023.5	100.9	fish off bottom	20:33:21
07350	019.1	019.3	many sea organisms, rocky terrain	20:33:56
07360	012.6	047.8	fish, not much plant life, relatively flat terrain, not many rocks	20:37:45
07350	013.9	046.6	~~possible sponge~~, 1 large boulder, flat terrain sediment surface w/few rocks	20:45:16
07360	011.1	107.3	totally flat terrain, white discoloration, no plant life, no rocks	20:52:25
07350	013.8	111.0	leaving flat terrain, approaching rocky terrain	20:53:28
07350	016.2	110.0	crab, scattered sea life, rocky terrain	20:54:47
07400	024.1	111.0	off bottom, not able to see	21:00-21:10
07450	008.6	103.6	rocky terrain, white specks	21:12:27
Tape 12	**Tape 12**	**Tape 12**	**Tape 12**	**Tape 12**
07450	017.0	097.0	flat bottom, some sediment covering, no rocks, no plant life	21:33:46
07450	024.0	106.1	looks like an upslope, some rocks, some sediment covering	21:37:43
07450	015.8	049.1	flat terrain w/scattered rocks	21:46:30

Veh. Depth	Veh. Alt	Veh. Head	Description	Time
07400	015.7	056.9	many scattered rocks, slight downslope to right of camera.	21:57:02
07400	016.6	038.5	more terrain, a few corals, light sediment covering	22:00:14
07400	016.9	110.8	flat terrain, white discoloration in sea floor, some rocks	22:03:36
07450	019.6	106.1	flat terrain, not many rocks, black circular object, light sediment covering	22:08:57
07450	017.4	103.1	more rocks, more terrain, no plant life	22:11:07

Veh. Depth	Veh. Alt	Veh. Head	Description	Time
07450	023.9	103.4	flat terrain	22:15:16
07450	022.6	103.1	no plant life, white discoloration on sea floor	22:16:08
07450	018.4	102.9	more scattered rocks, no plant life, darker color in sea floor	22:14:03
07450	023.0	106.6	possible sponge, scattered rocks, downslope	22:18:22
07450	019.4	103.1	smooth sea floor, no plant life, very few rocks	22:21:10
07450	016.9	106.1	sea floor becomes rocky	22:28:05
07450	020.8	110.5	2 small organisms attached to rocks, small rubble around, no plant life	22:30:54
07450	016.3	106.8	more rocks, more terrain, no plant life	22:33:59
07450	022.7	106.8	~~several sponges~~ attached to a rock	22:35:45
07450	017.4	082.7	approaching downslope, many scattered rocks, no plant life	22:37:00
07490	012.1	093.1	no plant life, light sediment cover, scattered rocks	22:55:44
07450	016.5	109.3	some scattered plant life, scattered cobble	22:57:08
07450	017.6	096.0	downslope, scattered rocks	23:00:21
07450	017.0	104.9	more terrain, more rocks, scattered plant life	23:06:02
07450	019.8	096.0	~~crab,~~ not much plant life	23:08:08
07490	015.7	103.9	small black fish, flat terrain, some sediment covering, few plant life	23:12:33
07490	017.6	103.1	flat terrain, white discoloration on sea floor, no plant life	23:26:36
07490	018.5	103.1	1 fish, no plant life, coarser rocks	23:29:44

Veh. Depth	Veh. Alt	Veh. Head	Description	Time
Tape 13	Tape 13	Tape 13	Tape 13	Tape 13
07400	024.6	096.0	flat terrain, no plant life	21:35:06
07450	025.1	106.3	closer to bottom, few rocks, no plant life, flat terrain	21:37:47
07450	022.1	100.9	small fish, same environment as 21:37:47	21:41:17
07450	015.1	056.0	approaching an upslope	21:49:37
07400	016.6	061.4	downslope on right of camera, rocky terrain	21:56:52
07400	021.6	059.2	bedrock type terrain, scattered rocks, sediment (light) covered, some corals	21:57:56
07450	019.1	106.1	surface is flat	22:08:52
07490	015.2	120.8	light sediment covering, some larger rocks, no plant life	23:33:51
07490	010.0	126.2	black fish & star fish, same surface as 23:33:51-no plant life	23:36:07
07490	008.3	123.8	trying to collect a sample	23:43:10
07490	018.8	001.9	sea floor becomes rocky, light sediment covering, no corals or other plant life	23:46:11
07450	012.9	355.5	1 fish	23:49:51
07490	011.9	112.2	approaching a slight downslope, pebbly sea floor	23:50:58
07490	016.3	300.2	larger rocks, no plant life, flat terrain	23:57:38
07490	012.1	306.3	more rocks, light sediment covering-no plant life	00:02:04-8/29
07490	012.7	303.4	~~1 fish~~, same environment as 00:02:04	00:05:06
07490	016.4	333.4	larger rocks scattered about	00:12:49
07490	012.4	328.5	~~brittle starfish~~	00:13:59

Veh. Depth	Veh. Alt	Veh. Head	Description	Time
07490	011.9	335.6	light sediment covering-no plant life, flat terrain, small pebbles & cobbles	00:21:58
07450	016.6	331.4	approaching larger boulders, no plant life, possible cliff or downslope ahead	00:27:00
07450	018.2	331.2	approaching some type of plant life, sea floor isn't clearly visible	00:29:24
07540	011.8	136.3	downslope to the left of camera, small pebbles, ~~brittle star~~	01:39:50
07540	019.1	183.5	approaching a cluster of rocks, light sediment covering	01:55:25
07490	019.1	183.7	possible sponges & flat terrain	01:59:35
07490	026.3	187.7	clusters of rocks & sponges, much terrain	02:04:48
07490	012.2	188.2	black fish, light sediment covering, mainly flat terrain	02:07:41

Total number of organisms

fish	60
starfish	26
sea cucumbers	5
crabs	26
sponges	31
jellyfish	2
shrimp	2

Video Tapes
Protractor
Flash light
Logs
Synch to frog nav.

Elmo mike

In the water 0230

Operational Plan for 28 and 29 August
Cruise L2-94-WO
Blanco Fracture Zone

To 0945 hrs Continue ATV dive 94-43-87 at Site 1, Gorda Depression.

0945 hrs Arrived at location approximately 0.25 n.m. west of Way point 4.

0945 to 1400 hrs Transit at 180 to near Way Point 6 (Way Point 5 was scratched), approximately 1 n.m.

1400 to 0400 hrs August 29 Continue dive 94-43-87 to map and sample south flank of Blanco Ridge which is north slope of Gorda Depression

- -Move toward Way Point 7, R & B 0.5 n.m. @ 035
- -Move toward Way Point 8, R & B 0.4 n.m. @ 040
- -Move toward Way Point 9, R & B 0.5 n.m. @ 105

0400 hrs Complete dive 94-43-87

0600 hrs ATV on deck

0700 to 1700 hrs Turtle dive along top of Blanco Ridge to examine rock outcrops, sediment and lava types, hydrothermal veins, breccia accumulations, and structural features.

The dive starts at the shoalest part of the ridge and has way points at
43°16.35', 127 05°.7';
43°16.4' ~~43°16.2'~~, 127.06.25;
43°16.2 ~~43°16.0'~~, 127°05.7'
43°16.35', 127°05.7'
43°16.1 ~~43°15.9'~~; 127°04.3'
43°15.8 ~~43°15.6'~~; 127°03.65'
43°15.65 ~~43°15.45'~~; 127°03.1'

1700 hrs to 2000 hrs Transit to Site 2, an offset in the Blanco Ridge. SeaBeam part of the transit including dive area at 43°23' N lat, 127°39' W long.

2000 hrs Begin ATV survey of Site 2.

cc: Northam
Capt. Vic
Gash
Wende
WetLab