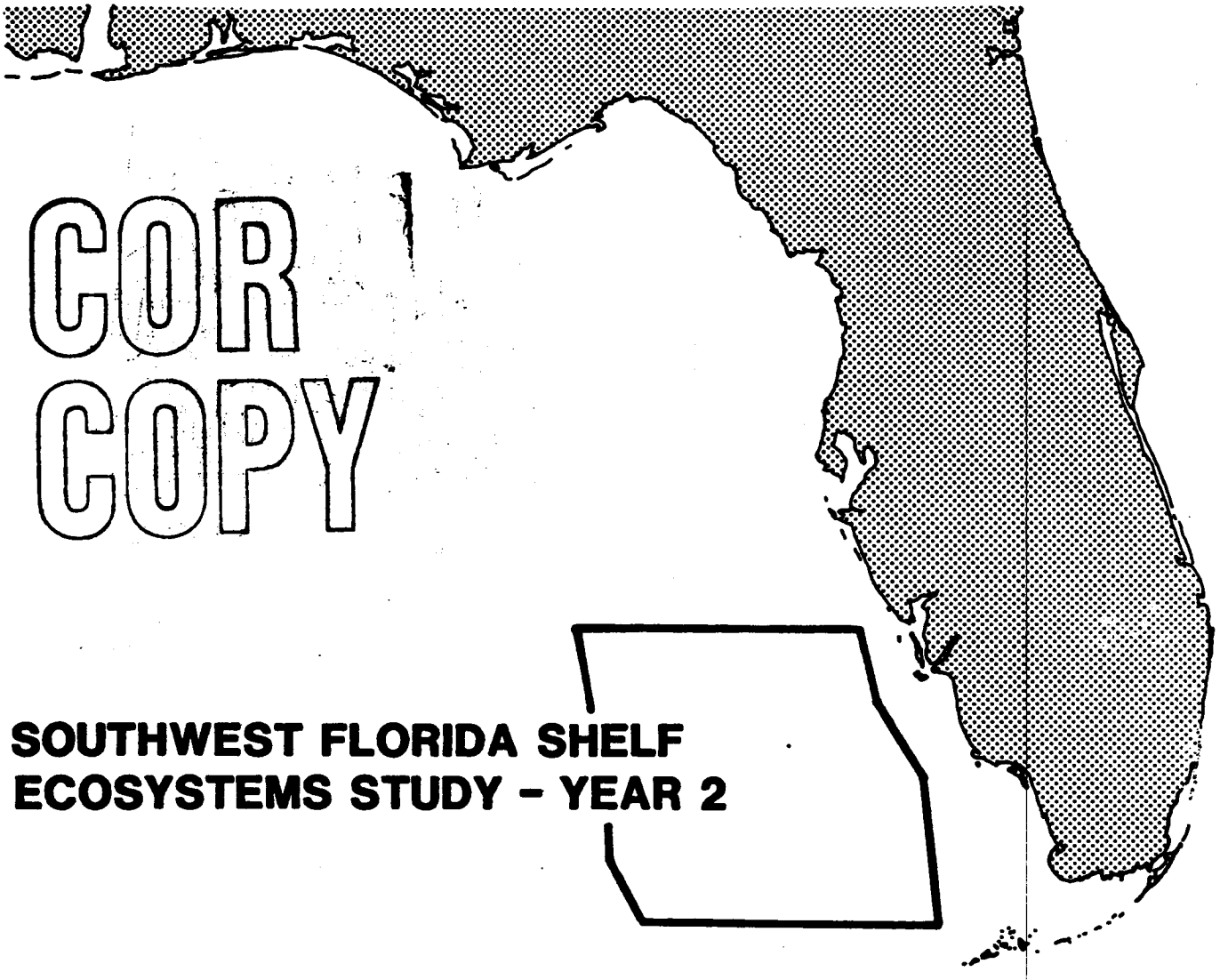
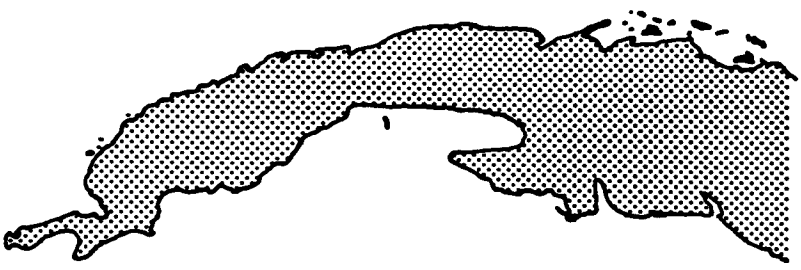
VOLUME 5 - APPENDIX A

OCS Study
MMS 85-0064



SOUTHWEST FLORIDA SHELF ECOSYSTEMS STUDY - YEAR 2



Prepared for:
U.S. Department of the Interior, Minerals Management Service
Gulf of Mexico OCS Region, Metairie, Louisiana
Contract 14-12-0001-29144
July 1985

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Woodward-Clyde Consultants
Consulting Engineers, Geologists and Environmental Scientists

Continental Shelf Associates, Inc.
"Applied Marine Science and Technology"

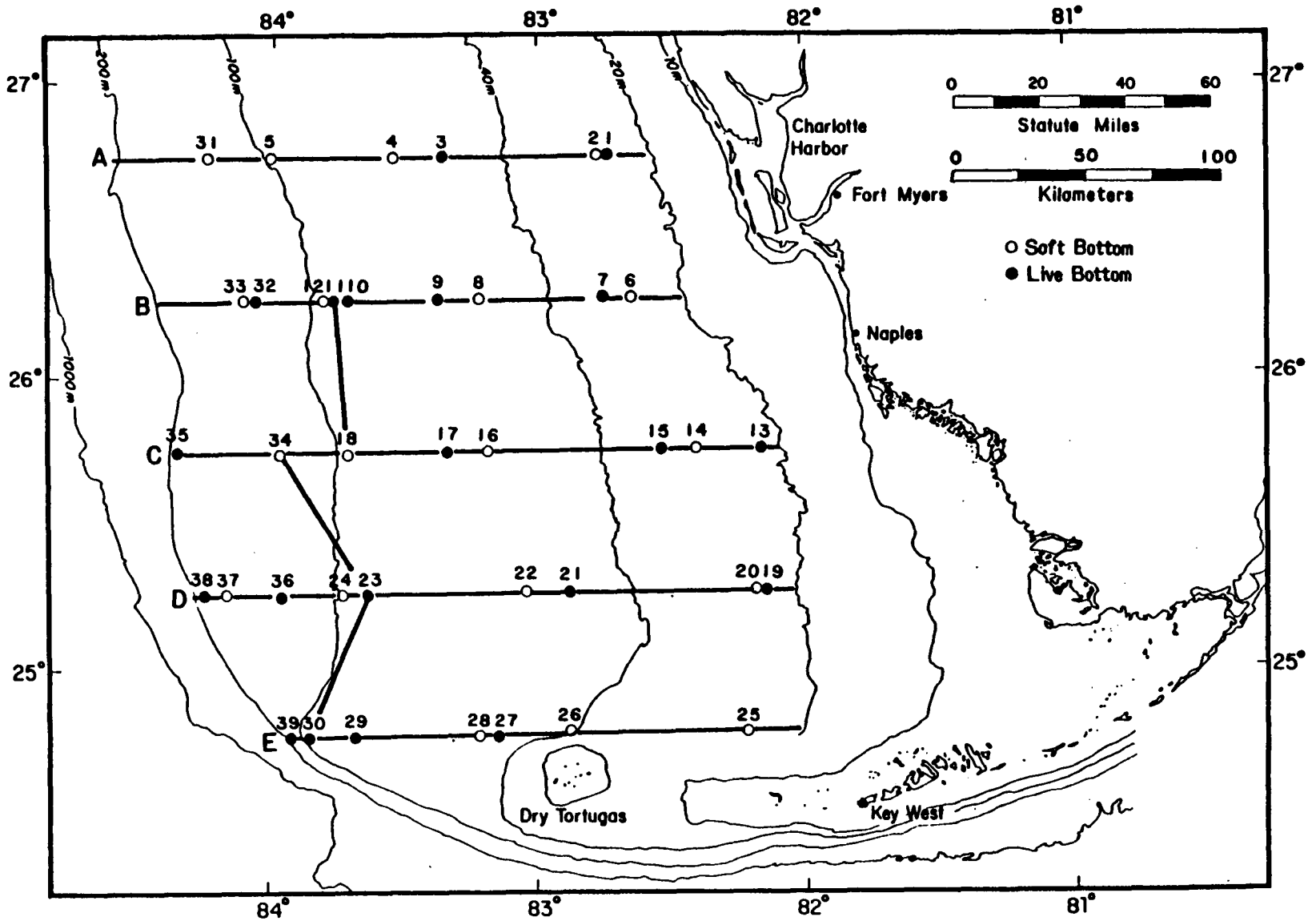
This report has been reviewed by the Minerals Management Service and approved for publication. Approval does not signify that the contents necessarily reflect the views and policies of the Minerals Management Service, nor does mention of trade names or commercial products constitute endorsement or recommendation for use.

PREFACE

THE SOUTHWEST FLORIDA SHELF ECOSYSTEMS STUDY

To meet present and future energy requirements of the United States, the Department of the Interior has acted to expedite development of oil and gas deposits beneath the outer continental shelf (OCS). Under the Department's accelerated 5-year leasing program, the Minerals Management Service (MMS) is proposing to offer for lease certain tracts in the eastern Gulf of Mexico. The protection of marine and coastal environments is mandated by the OCS Lands Act of 1963, the National Environmental Policy Act of 1969, and the OCS Lands Act Amendments of 1978. As manager of the OCS Leasing Program, the Department of the Interior is responsible for ensuring that proposed OCS development will not irreparably damage the marine environment and its resources. To help meet this responsibility, and to provide basic environmental information for the eastern Gulf of Mexico, the Minerals Management Service initiated (1980) the multiyear, multidisciplinary, Southwest Florida Shelf Ecosystems Study Program.

During Year One of the Southwest Florida Shelf Ecosystems Study Program, bathymetric, seismic, and side scan sonar data were collected (September-October 1980), along with underwater television and still camera color photography of the sea floor. These data were augmented by analyses of a broad range of hydrographic measurements, and water column, sediment, and benthic biological samples. Sampling stations were established in water depths ranging from 20 to 90m at 30 locations distributed along five east-west shelf transects (Figure, Transects A through E). Biological and hydrographic sampling were completed in fall (October-November) 1980 and spring (April-May) 1981.



Southwest Florida shelf survey transects (A through F) and benthic sampling stations for Year One and Two programs.

During the Year Two program, additional visual and geophysical data were collected along a north-south tie-line (Figure, Transect F). Twenty-one of the 30 first year hydrographic and biological sampling stations were resampled twice more, once during summer (July-August) 1981, and again during winter (January-February) 1982. In addition, nine new sampling stations were established on Transects A through E, in water depths ranging from 100 to 159m.

A third study phase, the Year Two Modification contract, examined the importance of Loop Current frontal eddies to primary production along the outer edge of the southwest Florida shelf. This phase encompassed two seasonal hydrographic cruises, in April and September 1982, and included direct and indirect measurements of primary productivity. These hydrographic and primary productivity data have now been synthesized with previous study results into an overview of the driving energetic forces within the southwest Florida shelf regional ecosystem.

The southwest Florida continental shelf includes sandy soft bottom sea floor substrates; hard, "live bottom" habitat; and other areas which favor the development and concentration of marine biota. The distribution of these bottom types and their significance to the regional marine benthic and water column ecosystem is not well known. The interpretation and synthesis of data from this Program are directed at general characterization of broad areas of the southwest Florida shelf, characterization of individual study sites, and inter-site comparisons; assessment of OCS development impact/enhancement potential; methodology evaluation; water mass characterization; and formulation of recommendations for future studies.

The results of the Year One program have already been reported (Woodward-Clyde Consultants and Continental Shelf Associates, Inc., 1983), as have the results of phase three (Woodward-Clyde Consultants and Skidaway Institute of Oceanography, 1983). The present Year Two Final Report describes the results of the Year Two program and provides an integration and synthesis of information collected during all three phases of the study.

The Southwest Florida Shelf Ecosystems Study Program has expanded considerably beyond the work reported herein. Year Three (Continental Shelf Associates, Inc.) continued seafloor habitat mapping to fill in areas between the Year One and Two study transects. Inshore biological sampling stations were also established in 10 to 20m water depths. Years Four and Five (Environmental Science & Engineering) were concerned with dynamic processes that affect the shelf ecosystem -- bottom currents, sediment movements, and so forth. A sixth program year presently contemplates a thorough synthesis of all preceeding study results.

The Year Two Final Report includes a total of seven (7) volumes, as follows:

Volume 1 - Executive Summary, provides a brief, abstracted summary of the principal goals, methods used, and results obtained during the study program.

Volume 2 - Final Report I, includes a more complete introduction to the Year One and Two programs, a summary of geophysical results, a complete discussion of methods used, and accounts of the physical oceanography and substrates that characterize the southwest Florida shelf.

Volume 3 - Final Report II, includes detailed accounts of the live bottom and soft bottom biota of the shelf.

Volume 4 - Final Report III, presents a synthesis of the physical variables and biological assemblages, outlines the potential impacts of OCS development, and provides lists of literature cited and program acknowledgments.

Volume 5 - Appendix A, provides copies of Year One and Year Two hydrographic and biological sampling cruise logs, sample collection times, station tract plots, and hydrographic and sediment data collected during both study years.

Volume 6 - Appendix B, includes the Master Taxon Code List for all taxa recorded during the program, and computer listings of all soft bottom sample station otter trawl and box core data collected during Years One and Two.

Volume 7 - Appendix C, provides computer listings of the live bottom sample station otter trawl, triangle dredge, and quantitative slide analysis data sets for Years One and Two.

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APPENDIX A.1

CHIEF SCIENTIST'S CRUISE LOGS

Chief Scientist's Cruise Log

Fall 1980 Cruise (Year I Contract)

October 25 to November 23, 1980

October 25, 1980

0115 Departed dock, St. Petersburg, Florida.

0930 Arrived Sta. 2. Further preparation of sampling systems made.

1200 Weather down-time. Seas 3-5 feet, winds 30 knots.

1300 Hi-Fix not operational. Weather unsuitable for work; decided to go into San Carlos Island to determine cause of Hi-Fix problem.

1310 Headed for San Carlos Island.
It is believed that because of possible Loran C drift that we needed to have Hi-Fix readings whenever possible at stations to insure return to the same point on Cruise IV. Weather forecasted to continue at 5-8' seas through today.

October 26, 1980

1400 Hi-Fix operational. Four problems: battery dead, fuse blown, LCU's not set, etc.

1715 Departed dock.
Decided to test Benthos in approximately 40' of water on the way to Sta. 2 to avoid any further station delays if it was not operational.

2145 Still camera test; television and sled test.
Retrieved television/still camera sled.

October 27, 1980

0530 On Sta. 2. Waited for daylight.

0645 Deployed television/still camera sled. Took 30 minutes to come on line. Just as 1000' from first fix cable problems caused us to abort. Fixed by 0730. Came back on line. As came on line again, strain cable fouled transducer pole breaking it off. Ran television system without fathometer.

0845 Television system retrieved and on deck.

1000 Transmissivity/photometer cast begun.

1030 Cast completed. Fathometer pole now on starboard side (away from television cables).
Began hydrocast and STD/DO.

1134 Completed hydrocast (bottles tripped).

1217 Box coring began.
Problem getting sufficient sediment.
First believed that tugger by not free-wheeling was not allowing enough speed for penetration. Switched to ship's hydraulic winch that would free-wheel; still believed little penetration (jaws not closing completely).

1457	Four box cores attempted. None penetrated. Jaws closed sufficiently on last two. Bottom judged to be too hard for penetration. Tried different combinations of weights and length of free-fall.
1555	Second hydrocast completed. Two bottles at depths of 1.5 and 22.5 meters. Needed to get more water for chlorophyll a (bottles leaked on first effort). Successful.
1645	Preparations for trawling completed. A call on the SSB, although Loran C was shut down, caused problem with Loran C. Loran C did not come up.
1750	Loran C back on. Came on line for trawl.
1813-1824	Trawl completed at Sta. 2. Headed for Sta. 1 (Hard Bottom).
2100	Arrived Sta. 1.
2130	Television/still camera sled deployed. Came on line.
2155	First fix, TV run.
2240	Last fix, TV run.
2255	Television system on deck.
2317	Transmissometer started.
2323	Transmissometer ended.
2354	Hydrocast tripped, STD/DO - DO probe did not function.
October 28, 1980	
0058	First dredge deployed.
0059	Dredge on bottom, Replicate a.
0106	Dredge off bottom.
0211	Second dredge on bottom, Replicate b.
0221	Second dredge off bottom.
0324	Third dredge on bottom, Replicate c.
0334	Third dredge off bottom.
0440	Trawl deployed. Cable jumped out of hydroblock as trawl towed at surface while making large turn. While removing cable navigator tried to turn us around but approaching boat did not allow us to. This caused us to run almost one mile beyond launch point.
0624	Trawl deployed.
0637	Trawl started up.
0645	Trawl on deck. Trawl came up with lead line slightly fouled on cork line. Net probably did not open fully. Catch of fish and only large, tall sponge indicated trawl did roll (it did not dig in) thereby catching only large and mobile types.

0750 En route to Sta. 4.
1430 Arrived Sta. 4.
1450 Box core taken - unsuccessful with no penetration.
1454 Box core taken.
Appeared box core still not penetrating even when free-falling.
1525 Deployed television/still camera sled.
1545 Came on line.
1604 First Fix (3), TV run.
1701 Last Fix (60), TV run.
1728 Hydrocast & STD/DO begun.
1752 Hydrocast tripped.
1839 Transmissometer begun.
1856 Transmissometer ended.
1900 Stood by to work on trawl.
Wire continued to jump out of hydroblock.

October 29, 1980

Fairlead made.
0045 Trawl deployed.
0054 Trawling begun.
0059 Trawl on bottom.
0111 Trawl started up.
0130 Underway for Sta. 3.
0250 Arrived Sta. 3.
0320 Television/still camera sled in water.
0329 First Fix (1), TV run.
0350 Still camera strobe did not operate.
0405 Television system on deck.
0448 Hydrocast & STD/DO in water.
0512 Hydrocast tripped.
0559 Transmissometer in water.
0605 Transmissometer profile finished.
0620 Deployed television/still camera sled to finish line.
0700 Came on line.
0723 First Fix (18), TV run.
0752 Last Fix (52), TV run.
0805 Televison system on deck.
0826 Dredge #1 on bottom, Replicate a.
0838 Dredge #1 off bottom.
0911 Dredge #2 on bottom, Replicate b.
0922 Dredge #2 off bottom.
0954 Dredge #3 on bottom, Replicate c.
1006 Dredge #3 off bottom.
1049 Trawl on bottom.
1058 Trawl off bottom.
Trawl did not reach bottom until two-thirds of pre-set line completed. Decided after conferring with Fred Ayer and determining we would arrive dockside at approximately 0200, that time impact of second dredge would be zero. Also a good time to retest launch/recovery procedure. We needed at least 7-9 minutes (approximately 2000') to get it down in 180' of water.

1100 Since near noon decided a photometer profile was in order.
1156 Began photometer profile.
1201 Ended photometer profile.
1225 Deployed trawl - fairlead broke.
1300 Repaired fairlead.
1326 Trawl on bottom.
1338 Ship at end of station boundary.
Net badly tangled. Also, boards only spread net 10-12' wide when rollers used. Determined best size of trawl doors, bridle, and rollers.
1341 Trawl off bottom.
1405 Underway to St. Petersburg to pick-up spade box core.
2315 Arrived dock - St. Petersburg.

October 30, 1980

Dock.
Got spade core from FIO. Rigged boom to handle it. Purchased more rollers (mud) for trawl. Lengthened trawl bridle.
2215 Departed dock.

October 31, 1980

0730 Arrived Sta 2.
Preparations made for box core sampling. Buoy made-up so ship could remain very close.
0810 Buoy deployed.
0855 First spade core - no sample. Box broken as
0905 spade hit bottom on retrieval. Changed length of chain and drop speed to prevent spade from impacting bottom first.
0922 Second core - did not trip, tried again.
0936 Third core - did not trip, tried again.
0940 Fourth core - did not trip, tried again.
0943 Fifth core, brought on deck and adjusted shock cord.
1053 Sixth core, sample (15cm) but washed out at one corner. Spade not closing tight enough to sample box. Bent it tight.
1133 Seventh core - box broken, no sample. Appeared that spade was not able to penetrate sand (hard packed?) and was sliding down opening so that when it was pulled tight it hit the box breaking it off at its attachment point. It was believed the extremely hard packed sand was the reason for the spade sliding. We moved to the next station (4); meanwhile putting on shock cord to put pressure on the spade to keep it from sliding back so easily. Also the spade was ground down to a finer point to increase its ability to cut through sand. (We will return to Sta. 2 on way back to St. Petersburg if we are able to get samples at other stations.)

1210 Pulled buoy. Headed for Sta. 4.
1900 Arrived Sta. 4.
1935 Box core deployed.
1943 Box core on deck - no sample; pins came out of box (replaced with pins with hole).
2025 Box core - second drop, sediment washed out. Sample no good.
2100 Box core - third drop; sample good, Replicate a.
2130 Brake on boom lost. Needed to make repairs.

November 1, 1980

0430 Winch on boom repaired.
0449 Box core dropped; good sample, Replicate b.
0510 Box core on deck.
0515 Due to seas, boat motion, and darkness not able to continue. Too dangerous.
0700 Daylight. Box core dropped - badly washed out.
0717 Box core dropped; good sample, Replicate c.
0744 Box core dropped; good sample, but problem with washing. Had to resample.
0805 Box core dropped - not good. Boom operator dropped box boom allowing water to run out.
0830 Box core dropped - not good. Boom operator dropped box boom allowing water to run out.
0856 Box core dropped; sample retained (though slightly wash out in one corner), Replicate d.
0917 Box core dropped, sample washed out.
0939 Box core dropped; good sample, Replicate e.
1010 Box core dropped; good sample, Replicate f. Hydorcarbon/trace metal.
1030 Underway for Sta. 5.
1435 Arrived Sta. 5.
1445 Buoy deployed and began calibration of transmissometer and photometer. Not able to get photometer to calibrate. Cleaned water cell. Needed to clean deck cell as reading too low. No time now as box coring must be finished before dark due to sea state. Decided to go to box coring. Water depth 292'. Not 315' recorded on Cruises I and II with WCC DE-719. Checked Loran C readings against Cruise II also checked bridge's depth recorder (292'). All okay. Previous record (Cruise II) checked and it said 316'.
1600 Began to deploy box core.
1604 Deployed first box core.
1615 Box core on deck - successful, Replicate a.
1627 Deployed second box core.
1645 Box core on deck - washed out.
1648 Deployed third box core.
1713 Box core on deck - successful, Replicate b.
1730 Deployed fourth box core.
1745 Box core on deck - washed out.

1800	Deployed fifth box core.
1811	Box core on deck - successful, Replicate c.
1826	Deployed sixth box core.
1839	Box core on deck - never tripped. Problem with getting box core deployed and recovered. Seas definitely slowed operations. Worked until dark when became too dangerous.
1855	Picked up temporary buoy.
1930	Rigged for television system. Came on line. Had to wait until rigging completed to get underway.
2100	Television/still camera sled deployed.
2131	First Fix (8), TV run; approximately 300 from original start point.
2148	Lost television light. Probably too much hitting bottom. Deep water and hard turns are causing television sled speed to die and sled to hit bottom.
2230	Television sled on deck. Buoy line fouled in prop on deployment, on retrieval at depth, and just as television system about to be brought out of water. Boom pulled in without letting out cable causing cable to part. Rudder broken off television sled on retrieval. Line cut away from propeller. Cable on boom cut and hooked up again. Rudder put back on television sled. On attempting to lower television system, block came off boom. Put back on boom.
November 2, 1980	
0000	Continued repairs to block on boom.
0200	Deployed television/still camera sled. Because of deep water, wind and sea conditions decided to use different pattern for television tow (x).
0225	Television system on bottom. Came on line. Made very slow, gradual turn to line. Deployed too far off line which required a long run to the line.
0255	First Fix (26), TV run. Strobe not firing - pulled television system.
0555	Television system deployed. First Fix (32), TV run.
0651	Last Fix (66), TV run.
0700	Television system on deck. Preparations made for box core.
0837	Fourth box core dropped.
0848	Box core on deck; good, Replicate d.
0857	Fifth box core dropped.
0905	Box core on deck; good, Replicate e.
0918	Sixth box core dropped.

0926	Box core on deck; good, Replicate f. Hydrocarbons/trace metals. Problem: winch wire was lubricated after television runs and prior to box coring. This put a slight oil slick on water. Believed none actually contacted the samples.
1024	Hydrocast and STD/DO profile began.
1106	Hydrocast and STD/DO profile ended. D.O. titrations, read thermometers, chlorophyll a, yellow substance.
1320	Transmissometer profile begun.
1352	Transmissometer profile ended. Photometer did not work properly. No readings recorded.
1410	Pulled temporary buoy.
1420	Buoy on deck.
1440	Came on line for trawl.
1455	Trawl deployed.
1505	Trawl on bottom.
1521	Trawl off bottom.
1545	Underway for Sta. 12.
1630	Collected ship's contaminants. Compressor fuel was from fuel oil; oil on winch cable was lube oil.
2000	Arrived Sta. 12.
2030	Began deployment of television/still camera sled.
2100	Television system down. Came on line.
2130	First Fix (12), TV run.
2242	Final Fix (41), TV run.
2245	Underway for Sta. 11.
2321	Arrived Sta. 11.
November 3, 1980	
0000	Continued TV run on Sta. 11.
0026	Last Fix (37), TV run.
0030	Underway for Sta. 10 (4 miles to the east). Estimated to be one hour to Sta. 10. Seas (4-6'), wind 25 knots. Difficult to pull television sled so considered weather in decision.
0146	First Fix on Sta. 10.
0255	Last Fix (41), TV run.
0300	Began retrieval of television system.
0320	Television system onboard. Weather very bad.
0440	Deployed dredge, Replicate a.
0452	Dredge #1 on bottom.
0507	Dredge off bottom.
0520	Dredge on deck.
0545	Deployed Dredge #2, Replicate b.
0549	Dredge on bottom.
0600	Dredge off bottom.
0610	Dredge on deck.
0627	Deployed Dredge #3.

0634	Dredge on bottom.
0647	Dredge off bottom.
0655	Dredge on deck. Sample not in block, dredge put out too late. Navigation never informed technicians. Only representative "different" organisms selected. No careful sorting made.
0715	Deployed Dredge #4, Replicate c.
0722	Dredge on bottom.
0732	Dredge off bottom.
0740	Fourth dredge on deck.
0825	Deployed buoy for water column.
0912	Hydrocast and STD/DO begun.
0958	Tripped hydrocast and ended readings.
1117	Started transmissometer/photometer profile.
1143	Ended transmissometer/photometer profile.
1145	Brought to surface and coiled cable.
1215	Continued water column chemistry and post-cal. Transmissometer/Hydrolab. Pulled temporary buoy.
1300	Pulled temporary buoy.
1310	Prepared trawl and steamed to point of trawl. Heavy seas ($5-7^{+}$) and strong winds (25 knots) slowed time to complete the station.
1400	Deployed trawl.
1410	Trawl on bottom. Tried to run travel west to east through center of block. Wind blew us to extreme south end of block.
1418	Trawl started up.
1430	Trawl on deck. Good catch.
1445	Steamed for Sta. 11 to do water column. Rough $5-7^{+}$ seas, 25 knots winds.
1520	Arrived Sta. 11.
1528	Dropped buoy.
1631	Began hydrocast/Hydrolab.
1703	Tripped bottles.
1803	Deployed transmissometer.
1827	Completed profile.
1830	Brought up and post-cal. Steamed to Sta. 12.
1900	Laboratory reading of thermometers and dissolved oxygen values showed no difference in top and bottom indicating pre-tripping. Not surprising due to rough seas.
1945	Arrived Sta. 12.
2000	Prepared transmissometer.
2100	Transmissometer profile started.
2115	Transmissometer profile ended.
2147	Began hydrocast.
2316	Brought up hydrocast. Found Hydrolab cable wrapped around cast wire which prevented messengers from sliding. Will re-do separately.

November 4, 1980

0000	Began second hydrocast/Hydrolab.
0056	Tripped bottles. Four casts: 1) 2 bottles tripped 2) 5 bottles tripped 3) All but bottom bottle 4) Redeployed bottom bottle
0111	First cast problem due to a stuck (?) messenger. Second and third due to Hydrolab cable fouling. Fourth was to get bottom bottle.
0300	Deployed trawl.
0307	Trawl on bottom.
0318	Started trawl up.
0335	Trawl on deck.
0350	Underway for Sta. 11.
0418	Arrived Sta. 11.
0430	Began second hydrocast.
0506	Tripped bottles.
0540	Ended hydrocast. Came back to center of block to re-do Hydrolab profile.
0559	Started second Hydrolab profile.
0614	Ended Hydrolab profile.
0630	Came on line for trawl. Navigation missed mark (had to avoid scarp); turned around. Cable jumped out of block. Pulled net onboard re-rigged.
0750	Came on line.
0755	Trawl deployed.
0805	Trawl on bottom.
0815	Pulled trawl.
0830	Trawl on deck. Rigged and came onto position for dredging.
0905	Dredge #1 deployed.
0912	Dredge on bottom.
0920	Dredge started up. Dredge on deck. Water haul. Ship speed too high. Tried again later.
0930	Dredge #2 deployed, replicate a.
0941	Dredge #2 on bottom.
0950	Dredge #2 started up.
1005	Deployed dredge #3, replicate b.
1015	Dredge #3 on bottom.
1021	Dredge #3 started up. Dredge #3 on deck.
1100	Deployed Dredge #4.
1105	Dredge on bottom.
1110	Plotter problem. Aborted dredge. Where are we?
1130	Plotter problem corrected. Ran to drop dredge again.
1145	Deployed dredge #5, replicate c.
1152	Dredge #5 on bottom.
1204	Dredge #5 started up.
1210	Dredge #5 on deck.
1215	Rigged box core. Headed for Sta. 12.

1300 Deployed buoy on Sta. 12.
1330 Attempted photometer. Surface cell cable did not work.
Went to box core.
1404 First box core hit bottom, successful, Replicate a.
1413 Box core on deck.
1423 Second box core hit bottom, successful, Replicate b.
1430 Box core on deck.
1442 Third box core, successful, Replicate c.
1450 Box core on deck.
1500 Fourth box core hit bottom, Replicate d.
1508 Box core on deck.
1518 Fifth box core hit bottom, good, Replicate e.
1525 Box core on deck.
1536 Sixth box core hit bottom, good, Replicate f.
1546 Box core on deck.
1600 Pulled buoy. Continued to repair photometer cable.
1645 Photometer profile completed.
Headed for Sta. 10.
1840 Hydrocast started.
1904 Hydrocast tripped.
1919 Hydrocast bottles off.
1950 Pre-cal; Hydrolab profile begun.
2011 Ended Hydrolab profile; post-cal.
2030 Underway for Sta. 9.
2300 Arrived Sta. 9.
2330 Began deployment of television/still camera sled.

November 5, 1980

0000 Television system on bottom.
0022 First Fix (1), TV run.
0117 Last Fix (56), TV run.
0130 Telvision gear on deck.
0145 On station for hydrocast.
0157 Began hydrocast.
0209 Tripped bottles.
0220 Completed hydrocast. Came back to center for Hydrolab. Took 15-20 minutes to reach center. Wind blowing approximately 20-25 knots.
0241 Began Hydrolab profile.
0253 Ended profile; pulled gear onboard.
0300 Ran back to center point.
0312 Began transmissometer profile.
0322 Ended transmissometer profile.
Transmissometer onboard.
0330 Rigged for dredging. Got into position.
0348 Deployed Dredge #1, Replicate a.
0358 Dredge on bottom.
0409 Dredge started up.
0417 Dredge on deck.
0428 Deployed Dredge #2, Replicate b.

0437	Dredge on bottom.
0446	Dredge started up.
0455	Dredge on deck.
0505	Deployed Dredge #3, Replicate c.
0512	Dredge on bottom.
0517	Dredge started up.
0525	Dredge on deck.
0530	Rigged for trawl. Got into position.
0550	Deployed trawl.
0601	Trawl on bottom.
0621	Trawl started up.
0632	Trawl on deck.
0635	Prepared to get underway (moved boom and de-rigged trawl).
0645	Underway for Sta. 8.
0830	Arrived Sta. 8.
0837	Dropped buoy for Sta. 8. Began box coring. Wind blew very hard with seas 2 to 4' and building. Decision made to begin station by box coring rather than standard routine. If seas continued to build, we would not be able to box core either.
0840	Rigged box core.
0910	Deployed Box Core #1.
0920	Box core on bottom, good, Replicate a.
0941	Second box core on bottom, good, Replicate b.
0959	Third box core on bottom, good, Replicate c.
1021	Fourth box core on bottom, good, Replicate d.
1036	Fifth box core on bottom, good, Replicate e.
1050	
1255	Box Cores #6 to 9 were no good. Box core did not seal. Seas increased, but not sure that was problem. Leaked when on deck; some banging of boxes and spade produced no better results. No spatial pattern that indicated different substrate emerged. Believed that problem was sediment not filling box and by the time it reached the surface there was very little sediment in box and all the water pushed the remaining sediment out of the box.
1351	Hydrocast begun.
1402	Bottles tripped.
1440	Began Hydrolab profile.
1509	Ended Hydrolab profile.
1559	Started transmissometer profile.
1623	Ended transmissometer profile.
1630	Post-cal, etc.
1700	Deployed Box Core #6.
1708	Box core on bottom, good, Replicate f.

1715	Box core on deck. Sampled hydrocarbons and trace metals. Appeared weights had shifted over causing spade to bind and not seal. Duct tape placed on bottom of box, but doubtful that was reason as sediment very firm and gooey.
1730	Pulled temporary buoy - rigged for trawl. Got on line.
1815	Deployed trawl.
1827	Trawl on bottom.
1837	Trawl started up.
1845	Trawl on deck.
2015	Tried to launch television/still camera sled. Large swell caused sled to crash into side of ship breaking off rudder. Repaired.
2127	Began to deploy television system.
2140	Sled out and steamed to line.
2217	First Fix (29), TV run.
2306	Last Fix (78), TV run.
2330	Television system on deck. Headed for Sta. 7.
November 6, 1980	
0400	Arrived Sta. 7.
0420	Television/still camera sled in water.
0430	Noticed pole broken off; had to pull television system.
0445 -	Sled on deck; replaced pole. Steamed to deployment area.
0500	Attempted deployment, snapped pole again. Re-adjusted point of tag line. Added shackle and chain. High seas slowed work and caused snapped pole.
0535	Re-deployed television system. On bottom headed to line.
0548	First fix (1), TV run.
0643	Last Fix (55), TV run.
0650	Television system on deck.
0705	Deployed buoy.
0728	Started Hydrolab profile.
0735	Ended Hydrolab profile.
0742	Hydrolab on deck.
0752	Started transmissometer profile.
0757	Ended transmissometer profile.
0805	Transmissometer on deck. Started deployment of hydrocast.
0823	Tripped hydrocast bottles.
0845	Pulled temporary buoy. Got in position for dredges.
0900	In position to dredge, but compressor would not start. Found fuel filter full of sediment from fuel tank (heavy seas sloshed dirt into suspension).

0925	Deployed Dredge #1, Replicate a.
0932	Dredge on bottom.
0942	Dredge started up.
0950	Dredge on deck.
1003	Deployed Dredge #2, Replicate b.
1013	Dredge on bottom.
1023	Dredge started up.
1030	Dredge on deck.
1038	Deployed Dredge #3, Replicate c.
1046	Dredge on bottom.
1052	Dredge started up.
1100	Dredge on deck.
1105	Attempted to use photometer. Not able to surface calibrate.
1130	Found cables to both surface and underwater units with breaks. Lou repaired. Estimated 2 hours. Will trawl and if not repaired move to Sta. 6.
1135	Rigged trawl came on line.
1155	Deployed trawl.
1204	Trawl on bottom.
1216	Trawl started up.
1225	Trawl on deck.
	Re-rigged for box core at Sta. 6.
1235	Underway for Sta. 6.
1343	Arrived Sta. 6.
1345	SSB call on route to Sta. 6 necessitated Loran C/Autocarta being disconnected. Trouble getting Autocarta/Loran C up.
1410	Navigation up. Steamed to place buoy.
1415	Buoy deployed.
1457 - 2025	16 box cores taken. 5 successful. 1 broken box, the rest washed out. Weather not a factor. There was an unknown malfunction of the spade that caused an imperfect seal of the boxes. (Photometer cable breaks repaired approximately 1600, which was too late to use photometer).
2045	Rigged for hydrocast.
2052	Began hydrocast.
2102	Tripped hydrocast bottles.
2156	Began Hydrolab profile.
2202	Ended Hydrolab profile.
2308	Began transmissometer profile.
2313	Ended transmissometer profile.
2345	Deployed Box Core #17.
2352	Box core on deck - washed out.
November 7, 1980	
0000	Deployed Box Core #18.
0010	Box core on deck-washed out.
0030	Compressor problems - overheated.
0200	Compressor problems repaired.
0215	Deployed television/still camera sled.

0230 Camera on bottom. Came on line.
0240 First Fix (#35), TV run.
0319 Last Fix (#75), TV run.
0330 Television system on deck.
0350 Deployed trawl.
0403 Trawl on bottom.
0420 Trawl started up.
0430 Trawl on deck. Compressor blew out.
0440 Underway for San Carlos Island. Needed water. Also filters, etc. for compressor and to fix compressor.
1040 Dockside San Carlos.
Informed by K. McDonald (WCC) that BLM gave us 10 to 12 more days to finish. Also we are not to do additional water column work on Line 402.
2100 Completed taking on water (1' line).
2200 Casted off. Headed for Sta. 13.

November 8, 1980

0510 Arrived on Sta. 13.
0520 Television/still camera sled deployed; on bottom. Moved to line.
0525 First Fix (1), TV run.
0606 Last Fix (42), TV run.
0620 Television system on deck.
0634 Began hydrocast.
0638 Ended hydrocast - tripped bottles.
0646 Began Hydrolab profile.
0651 Ended Hydrolab profile.
0659 Began transmissometer profile.
0702 Ended transmissometer profile.
0705 Rigged for dredge. Came on line.
0715 Deployed Dredge #1, Replicate a.
0721 Dredge on bottom.
0731 Dredge started up.
0740 Dredge on deck.
0748 Deployed Dredge #2, Replicate b.
0752 Dredge on bottom.
0800 Dredge started up.
0808 Dredge on deck.
0818 Deployed Dredge #3, Replicate c.
0823 Dredge on bottom.
0829 Dredge started up.
0835 Dredge on deck.
0905 Deployed trawl.
0911 Trawl on bottom.
0920 Trawl started up.
0930 Trawl on deck.
0935 Underway for Sta. 14.
1210 Arrived Sta. 14. Rigged transmissometer/photometer.
1226 Began transmissometer/photometer profile.
1228 Ended transmissometer/photometer profile.
1255 Tripped hydrocast.

1308	Began Hydrolab profile.
1316	Ended Hydrolab profile.
	The rapid station time on Sta. 14 was due to very calm seas and shallow depth. There were no mechanical problems.
	Delay between Hydrolab and TV runs due to lab work-up of samples. Water column done prior to TV runs so that 1200 hr. photometer readings could be made. Box core modified during water column and TV runs. Modification involved attachment of neoprene (rubber) to spade to aid in sealing of bottom of boxes. (Phone call to Done Boesch yesterday provided idea. He had same problem at VIMS that we were experiencing and reported this modification worked).
	Calm seas allowed us to keep on station without much maneuvering thus reducing time.
1420	Deployed television/still camera sled. Came on line.
1442	First Fix (6), TV run.
1527	Last Fix (55) TV run.
1540	Television system in deck. Rigged for trawl. Came on line.
1605	Deployed trawl.
1611	Trawl on bottom.
1627	Trawl started up.
1635	Trawl on deck.
1645	Moved to center of block.
	Completed addition of neoprene to box core.
1735	Box core #1 on bottom, good sample (Hydrocarbon/trace metal), Replicate a.
1758	Box core #2 on bottom, good sample, Replicate b.
1818	Box core #3 on bottom, good sample, Replicate c.
1900	Box core #4 on bottom, good sample, Replicate d.
1918	Box core #5 on bottom, good sample, Replicate e.
1930	Box core #6 on bottom, good sample, Replicate f.
1935	Ended box coring.
1940	Underway for Sta. 15.
	Changed out film in still camera.
	Rigged for TV run.
2050	Arrived Sta. 15. Put still camera back on sled.
2120	Television/still camera sled deployed. Came on line.
2142	First Fix (1), TV run.
2226	Last Fix (45), TV run.
2235	Recovered television system.

2306 Tripped hydrocast.
2319 Began Hydrolab profile.
2334 Ended Hydrolab profile.
2335 Began transmissometer profile (slight delay due to electrical connection problem).

November 9, 1980

0001 Ended transmissometer profile.
0020 Deployed Dredge #1, Replicate a.
0026 Dredge on bottom.
0036 Dredge started up.
0045 Dredge on deck. Compressor belt broke due to bent idle arm. Removed arm and re-bent.
0200 Belt repaired.
0205 Deployed Dredge #2, Replicate b.
0212 Dredge on bottom.
0217 Dredge started up.
0223 Dredge on deck.
0230 Deployed Dredge #3, Replicate c.
0235 Dredge on bottom.
0241 Dredge started up.
0246 Dredge on deck.
0300 Deployed trawl.
0310 Trawl on bottom.
0328 Trawl started up.
0332 Trawl on deck. Trawl badly torn (cod end). Three very large loggerhead type sponges and a few other sponges still in net. It was suspected that the large sponges weighted the cod end so much that it dragged heavily across the bottom tearing on rock or coral. (If such large sponges are seen at other stations, a decision must be made as to whether trawling is worth the risk to another net.)
0345 Underway for Sta. 16. Placed new pole on TV system (PVC snapped on last recovery). Checked transmissometer. Added hard rubber to box core (soft neoprene was torn by six previous box cores).
0855 Arrived Sta. 16.
0915 Deployed televison/still camera sled.
0926 First Fix (1), TV run.
1009 Last Fix (45), TV run.
1015 Television system on deck.
1030 Deployed buoy. Decision made to begin box coring because of approaching weather and man power requirements.
1050 Deployed Box Core #1.
1055 Box core on bottom, good, Replicate a.
1100 Box core on deck - HC/Trace Metal.
1110 Deployed Box Core #2.
1117 Box core on bottom, good, Replicate b.
1122 Box core on deck.
1135 Deployed Box Core #3.

1143	Box core on bottom, good, Replicate c. Hard rubber torn off, replaced with plywood.
1145 - 1240	Three unsucessful attempts with box core. Plywood too thick. Thinner piece tried. Apparently real problem was that spade was not coming fully across the bottom of the box, thus leaving a gap. The rubber was sealing the gap, but the plywood would not. On deck, trials showed spade not pulling up high enough to close box. At this point decision made to complete other tasks at station prior to continuing box cores.
1330	Deployed hydrocast.
1339	Tripped hydrocast bottles.
1358	Began Hydrolab profile.
1413	Ended Hydrolab profile.
1524	Began transmissometer profile.
1529	Ended transmissometer profile. Transmissometer gave problems on post-cal. First noticed at Sta. 6. The transmissivity did not stay calibrated between pre and post (at Sta. 6 50% went from 50 to 45 and 92% from 92 to 83). Sta. 13 also problems, but did post-cal correctly. Sta. 14 post-cal way off (50 to 63 and 92 to 108). Subtract 16%. Continued problem at Sta. 15 and 16, but Sta. 15 readings probably all right. Sta. 16 questionable. Should be re-run on return for other box cores. Fred Ayer believed problem to be bad light source bulb. Connectors or spares would not fit.
1530	Buoy picked up.
1535	Rigged for trawl. Came on line.
1610	Deployed trawl.
1619	Trawl on bottom.
1637	Trawl started up.

0730 Placed temporary buoy.
0738 Deploy Box Core #1.
0742 Box core on bottom.
0744 Box core on deck - did not trip. Re-deployed.
0745 Box core #2 on bottom, good, Replicate a.
0750 Box core on deck. Very coarse; HC/TM; no water on top.
0831 Deployed Box Core #3.
0836 Box core on bottom.
0842 Box core on deck - no sample. Rubber torn badly. Removed rubber, tried box without and seemed to fit tightly.
0850 Deployed Box Core #4.
0854 Box core on bottom, good, Replicate b.
0859 Box core on deck.
0905 Deployed Box Core #5.
0911 Box core on bottom, good, Replicate c.
0915 Box core on deck.
Deployed Box Core #6.
0924 Box core on bottom, good, Replicate d.
0929 Box core on deck.
Deployed Box Core #7.
0936 Box core on bottom, good, Replicate e.
0940 Box core on deck.
Deployed Box Core #8.
0947 Box core on bottom, good, Replicate f.
0952 Box core on deck.
1010 Pulled temporary buoy.
1015 Underway for Sta. 6.
1535 Arrived Sta. 6. Strong head winds and high seas (4 to 6 feet) slowed transit time.
1558 Deployed box core.
1602 Box core on bottom, good, Replicate f.
1607 Box core on deck.
Due to heavy seas not able to get underway for Sta. 16 until TM/HC processed (Had to stay into seas).
1635 Underway for Sta. 16. Seas too rough to box core so went to Sta. 17 instead.

November 15, 1980

0200 Arrived Sta. 17, problems with video-recorder. Would not play back or record. Water leaked from roof onto recorder.
0300 Recorder still not operational. Lou Blaisdell worked on it. Decided to do water column work while repairs continued.
0310 Began hydrocast.
0320 Tripped bottles.
0330 Ended hydrocast.
0347 Began transmissometer profile.
0356 Ended transmissometer profile.
0414 Began Hydrolab profile.

0427	Ended Hydrolab profile. Noticed in lab top/bottom temperature and D.O. same. On recovery bottom bottle at angle. Russell Putt felt 7 trips. All indicated only bottom bottle pre-tripped. Needed to re-cast.
0435	Began one bottle hydrocast.
0449	Tripped bottle.
0520	Deployed televison/still camera sled.
0559	First Fix (7), TV run.
0642	Last Fix (50), TV run.
0650	Recovered television system.
0708	Deployed Dredge #1, Replicate a.
0714	Dredge on bottom.
0721	Dredge started up.
0727	Dredge on deck.
0740	Deployed Dredge #2, Replicate b.
0747	Dredge on bottom.
0754	Dredge started up.
0759	Dredge on deck.
0815	Deployed Dredge #3, Replicate c.
0820	Dredge on bottom.
0835	Dredge started up.
0840	Dredge on deck.
0855	Deployed trawl.
0903	Trawl on bottom.
0913	Trawl started up.
0920	Trawl on deck.
0935	Underway for Sta. 16.
1100	Arrived Sta. 16.
1107	Deployed temporary buoy.
1125	Deployed box core.
1129	Box core on bottom, good, Replicate d.
1134	Box core on deck.
1142	Deployed box core.
1147	Box core on bottom, good, Replicate e.
1152	Box core on deck.
1155	Deployed box core.
1200	Box core on bottom, good, Replicate f.
1205	Box core on deck.
1210	Completed repairs to transmissometer (reading too low approximately 20% on post-cal at Station 6). Rigged photometer/ transmissometer.
1239	Started transmissometer profile.
1253	Ended transmissometer profile.
1315	Pulled temporary buoy.
1320	Underway for Sta. 17 and 18.
1430	Videorecorder dried out. Replaced batteries in Hydrolab - temperature all right. Problem with transmissometer appeared to be varying voltages coming to transmissometer through variac. Variac taken apart and components tightened.

1440	Arrived Sta. 17.
1449	Began transmissometer profile.
1514	Ended transmissometer profile. A second transmissometer needed as post-cal of first one was 20% low. Although profile readings looked good we were going over station on way to Sta. 18 and decided to check first profile.
1520	Underway for Sta. 18.
1815	Arrived Sta. 18. Rigged box core. Overshot station had to return.
1915	Deployed Box Core #1.
1919	Box core on bottom, good, Replicate a.
1926	Box core on deck - HC/TM.
1937	Deployed Box Core #2.
1943	Box core on bottom.
1950	Box core on deck - washed out.
1953	Deployed Box Core #3.
2000	Box core on bottom, good, Replicate b.
2007	Box core on deck.
2010	Deployed Box Core #4.
2017	Box core on bottom.
2027	Box core on deck - washed out.
2031	Deployed Box Core #5.
2038	Box core on bottom, good, Replicate c.
2045	Box core on deck.
2049	Deployed Box Core #6.
2055	Box core on bottom.
2101	Box core on deck - washed out.
2108	Deployed Box Core #7.
2114	Box core on bottom.
2121	Box core on deck - washed out.
2125	Deployed Box Core #8.
2131	Box core on bottom, good, Replicate d.
2140	Box core on deck - slightly washed out - accepted.
2152	Deployed Box Core #9.
2159	Box core on bottom, good, Replicate e.
2209	Box core on deck.
2216	Deployed Box Core #10.
2223	Box core on bottom.
2240	Box core on deck - wire fouled box core.
2252	Deployed Box Core #11.
2300	Box core on bottom, good, Replicate f.
2308	Box core on deck.
2340	Deployed television/still camera sled.
November 16, 1980	
0017	First Fix (12), TV run.
0100	Last Fix (55), TV run.
0120	Television system on deck.
0135	Began hydrocast.
0207	Tripped bottles - only top bottle tripped.
0225	Began second hydrocast.
0236	Tripped bottles.

0307	Began Hydrolab profile.
0336	Ended Hydrolab profile.
0359	Began transmissometer profile.
0413	Ended transmissometer profile.
0450	Deployed trawl.
0506	Trawl on bottom.
0513	Trawl started up.
0522	Trawl on deck.
0530	Underway for Sta. 24.
0930	Arrived Sta. 24.
0935	Deployed television/still camera sled.
1010	First Fix (1), TV run. Ran X pattern instead of G as squall with 20+ mph winds hit just prior to starting line.
1058	Last Fix (38), TV run.
1115	Buoy deployed.
1129	Deployed Box Core #1.
1134	Box core on bottom, good, Replicate a.
1139	Box core on deck.
1146	Deploy Box Core #2.
1151	Box core on bottom, good, Replicate b.
1156	Box core on deck.
1201	Deployed Box Core #3.
1206	Box core on bottom, good, Replicate c.
1211	Box core on deck.
1217	Deployed Box Core #4.
1221	Box core on bottom, good, Replicate d.
1226	Box core on deck.
1229	Deployed Box Core #5.
1234	Box core on bottom, good, Replicate e.
1239	Box core on deck.
1244	Deployed Box Core #6.
1250	Box core on bottom, good, Replicate f.
1255	Box core on deck.
1319	Started transmissometer/profile.
1406	Ended profile.
1420	Began hydrocast.
1440	Tripped hydrocast bottles.
1505	Started Hydrolab profile.
1524	Ended Hydrolab profile.
1600	Recovered buoys - waited for tug and tow to clear area.
1620	Deployed trawl.
1627	Trawl on bottom.
1645	Trawl started up.
1653	Trawl on deck.
1655	Underway for Sta. 23.
1815	Arrived Sta. 23.
1830	Navigation error (slight) going to deployment point.
1845	Ready to deploy sled but compressor would not start. Electrical problem. Next air gun (for TV cable hose clamps) blew rubber seal.
1920	Deployed television/still camera sled.

1945	First Fix (1), TV run. Due to winds of 20 to 25 mph and heavy seas had to do X pattern not G. Weather forecasts warned of a low depression centered approximately over Cuba with 35+ mph winds. Extended 150 miles North - we were probably feeling it with squalls, etc. all day.
2043	Last Fix (44), TV run.
2102	Deployed hydrocast. Pre-tripped - Re-deployed after steaming back to center.
2145	Re-deployment of hydrocast.
2158	Tripped bottles.
2232	Began Hydrolab profile.
2252	Ended Hydrolab profile.
2319	Began transmissometer profile.
2331	Ended transmissometer profile. Dissolved oxygen showed bottom bottle of hydrocast pre-tripped.
November 17, 1980	
0019	Re-deployed bottom bottle. Pre-tripped. Winds 15+mph, seas 6-8' causing major problems with hydrocast. Finally completed. Only bottom bottle did not trip. All other bottles felt to trip.
0030	Bottle re-deployed.
0038	Bottle tripped.
0058	Deployed Dredge #1, Replicate a.
0104	Dredge on bottom.
0109	Dredge started up.
0115	Dredge on deck.
0125	Deployed Dredge #2, Replicate b.
0130	Dredge on bottom.
0135	Dredge started up.
0142	Dredge on deck.
0156	Deployed Dredge #3, Replicate c.
0202	Dredge on bottom.
0205	Dredge started up.
0210	Dredge on deck.
0235	Deployed trawl.
0237	Fouled on deployment.
0300	Re-deployed trawl.
0309	Trawl on bottom.
0324	Trawl started up.
0335	Trawl on deck. Discussion about low pressure disturbance over Cuba and our course of action. Decided to continue along transect as heading in.
0415	Underway for Sta. 22.
0930	Arrived Sta. 22.
0955	Deployed television/still camera sled.
1016	First Fix (1),TV run.
1030	Last Fix (15), First part of X, TV run.

1045	Last Fix, First part of X (15), TV run. Discovered at this point that Loran C signal jumped 5 microseconds prior to TV (Bridge Loran C did also). Realized at this point that station had not been surveyed and needed to return to Sta. 22.
1145	Film changed out. On line ready to deploy. Discovered strobe not firing. Tried quick check-out, no solution immediate.
1230	Decided at this point to start water column, then box core/trawl with television last.
1245	Deployed buoy.
1315	Began hydrocast.
1332	Hydrocast bottles tripped.
	Problems with winch. Bad wire in control box - repaired.
	Photometer problems. Apparently wire again broken in cable. (Cable not suitable for offshore use.)
1503	Began transmissometer profile.
1516	Ended transmissometer profile.
1535	Began Hydrolab profile.
1545	Ended Hydrolab profile.
1620	Deployed Box Core #1.
1625	Box core on bottom, good, Replicate a.
1629	Box core on deck - HC/TM.
1633	Deployed Box Core #2.
1638	Box core on bottom, good, Replicate b.
1644	Box core on deck.
1646	Deployed Box Core #3.
1651	Box core on bottom, good, Replicate c.
1658	Box core on deck.
1704	Deployed Box Core #4.
1709	Box core on bottom.
1715	Box core on deck - washed out.
1717	Deployed Box Core #5.
1723	Box core on bottom.
1730	Box core on deck - washed out.
1736	Deployed Box Core #6.
1741	Box core on bottom, good, Replicate d.
1747	Box core on deck.
	Tag line hook broken - repaired.
1854	Deployed Box Core #7.
1900	Box core on bottom, good, Replicate e.
1906	Box core on deck.
1909	Deployed Box Core #8.
1914	Box core on bottom, good, Replicate f.
1920	Box core on deck.
	Rigged trawl.
2015	Deployed trawl.
2024	Trawl on bottom.
2035	Trawl started up.

2040 Trawl on deck - trawl with sponges, etc. Obviously hit hard bottom.
Camera strobe repaired at 2000 hrs. Problem was a jammed shutter. Shutter normally activates strobe thus causing strobe problem.
Decided to deploy without tape.
Repaired at 2320. Microswitch activating forward was jammed.

2215 Deployed television/still camea sled.

2236 First Fix (16), TV run.

2325 Last Fix (65), TV run.

2340 Television system on deck. Underway for Sta. 21.

November 18, 1980

0110 Arrived Sta. 21.

0120 Deployed television sled. Came on line.

0144 First Fix (1), TV run.

0226 Last Fix (43), TV run.

0250 Began hydrocast.

0310 Tripped hydrocast.

0328 Began Hydrolab profile.

0342 Ended Hydrolab profile.

0352 Began transmissometer profile.

0403 Ended transmissometer profile.

0415 Deployed Dredge #1, Replicate a.

0421 Dredge on bottom.

0425 Dredge started up.

0428 Dredge on deck.

0445 Deployed Dredge #2, Replicate b.

0451 Dredge on bottom.

0456 Dredge started up.

0501 Dredge on deck.

0512 Deployed Dredge #3, Replicate c.

0518 Dredge on bottom.

0524 Dredge started up.

0530 Dredge on deck.
No trawl made due to extensive numbers of large sponges, including large loggerheads (3 of which ripped the trawl on Station 15). Dredges totally full of sponges. Very confident trawl could not be recovered as would be weighted immediately by sponges. Also believed dredges adequately sampled biota.

0535 Underway for Sta. 20. Review of geographic position of Sta. 20 showed it to be 450 meters from Sta. 19 (live bottom). Due to probability of soft bottom trawl sampling same live bottom, it was decided to move 5 fix marks (750 m) to the west. The stations' boundaries still overlapped as soft was Fix-361 and hard was Fix-369 or 1200 meters apart.

1035	Loran C station down.
1050	Arrived Sta. 20. Loran C station down still.
1140	Loran C station up.
1200	Deployed television/still camera sled.
1207	First Fix (1), TV run.
1249	Last Fix (43), TV run.
1300	Television system on deck. Wind and seas increased. Decided to do photometer (transmissometer not yet calibrated) followed by box coring to take advantage of weather.
1315	Dropped buoy.
1326	Started photometer profile.
1333	Ended photometer profile.
1343	Deployed Box Core #1.
1347	Box core on bottom, good, Replicate a.
1351	Box core on deck - HC/Trace Metal.
1403	Deployed Box Core #2.
1406	Box core on bottom, good, Replicate b.
1411	Box core on deck.
1418	Deployed Box Core #3.
1422	Box core on bottom.
1427	Box core on deck - washed out.
1432	Deployed Box Core #4.
1436	Box core on botton, good, Replicate c.
1441	Box core on deck.
1445	Deployed Box Core #5.
1448	Box core on bottom, good, Replicate d.
1454	Box core on deck.
1500	Deployed Box Core #6.
1503	Box core on bottom, good, Replicate e.
1506	Box core on deck.
1509	Deployed Box Core #7.
1513	Box core on bottom, good, Replicate f.
1517	Box core on deck.
1530	Underway to Sta. 19.
1600	Deployed television/still camera sled.
1618	First Fix (1), TV run.
1712	Last Fix (55), TV run.
1735	Deployed hydrocast.
1744	Tripped bottles.
1755	Started Hydrolab profile.
1758	Ended Hydrolab profile.
1811	Started transmissometer profile.
1814	Ended transmissometer profile.
1820	Underway for Sta. 20.
1840	Arrived Sta. 20.
1851	Started transmissometer profile.
1856	Ended transmissometer profile.
1914	Began Hydrolab profile.
1919	Ended Hydrolab prodile.
1928	Started hydrocast.
1941	Tripped hydrocast bottles.
2025	Deployed trawl.
2030	Trawl on bottom.
2042	Trawl started up.

2050	Underway for Sta. 19. (Short distances between stations made moving back and forth very efficient.)
2100	Arrived Sta. 19.
2105	Deployed Dredge #1, Replicate a.
2111	Dredge on bottom.
2115	Dredge started up.
2120	Dredge on deck.
2127	Deployed Dredge #2, Replicate b.
2132	Dredge on bottom.
2137	Dredge started up.
2141	Dredge on deck.
2159	Deployed dredge #3, Replicate c.
2204	Dredge on bottom.
2209	Dredge started up.
2214	Dredge on deck.
2245	Deployed trawl.
2254	Trawl on bottom.
2310	Trawl started up.
2317	Trawl on deck.
2330	Underway for Sta. 25.
November 19, 1980	
0415	Arrived Sta. 25.
0445	Deployed television/still camera sled. Trouble getting on line - shrimp boats everywhere.
0522	First Fix (1), TV run. Fix-6 off line to avoid trawler.
0540	Decision made to abort TV/still photos due to turbidity. Trawler activity and weather have made visibility <1 foot. Last Fix (17).
0545	Recovered television system.
0610	Began hydrocast.
0626	Tripped hydrocast bottles.
0640	Started Hydrolab profile.
0650	Ended Hydrolab profile.
0701	Started transmissometer profile.
0705	Ended transmissometer profile.
0830	Deployed Box Core #1.
0833	Box core on bottom.
0835	Box core on deck - did not trip.
0835	Deployed Box Core #2.
0836	Box core on bottom, good, Replicate a.
0840	Box core on deck - TM/HC.
0850	Deployed Box Core #3.
0854	Box core on bottom.
0858	Box core on deck - box broke off.
0908	Deployed Box Core #4.
0911	Box core on bottom, good, Replicate b.
0915	Box core on deck.
0926	Deployed Box Core #5.
0935	Box core on deck.
0930	Box core on bottom, good, Replicate c.
0940	Deployed Box Core #6.

0944	Box core on bottom.
0946	Box core on deck - did not trip.
0946	Deployed Box Core #7.
0948	Box core on bottom.
0952	Box core on deck - pin sheared off.
1000	Deployed Box Core #8.
1004	Box core on bottom, good, Replicate d.
1009	Box core on deck.
1014	Deployed Box Core #9.
1018	Box core on bottom.
1021	Box core on deck - did not trip.
1021	Deployed Box Core #10.
1023	Box core on bottom.
1027	Box core on deck - did not trip (spade stuck under frame).
1052	Deployed Box Core #11.
1056	Box core on bottom, good, Replicate e.
1100	Box core on deck.
1106	Deployed Box Core #12.
1110	Box core on bottom, good, Replicate f.
1115	Box core on deck.
1130	Attempted to do photometer - wires broken again. (Extreme care was used on storage.)
1145	Pulled buoy.
1210	Deployed trawl.
1217	Trawl on bottom.
1230	Trawl started up.
1240	Trawl on deck. Photometer wires soldered again. Ready to deploy.
1308	Started photometer profile.
1317	Ended photometer profile.
1325	Underway for Sta. 26.
1900	Arrived Sta. 26.
1905	Waited for Loran C receiver to come up after power surge. Sediment at Sta. 25 was a very stiff clay/mud. Problems with boxes breaking and too much penetration. (CSA box core would work very well here. If same problem at next station, it should be considered.)
1930	Receiver all right.
1940	Deployed television/still camera sled.
2016	First Fix (1), TV run.
2108	Last Fix (53), TV run. Loran C very noisy.
2135	Began hydrocast.
2152	Tripped bottles.
2216	Began Hydrolab profile.
2222	Ended Hydrolab profile.
2241	Began transmissometer profile.
2251	Ended transmissometer profile.
2325	Deployed trawl. Problem with tugger/compressor and trawl.

2331	Trawl on bottom.
2344	Trawl started up.
2355	Trawl on deck.
November 20, 1980	
	First trawl pulled 2-3 miles. Too far to know what part of sample came from station. Needed to repeat. Compressor not repaired until 0200. Air in fuel lines.
0210	Deployed Trawl #2.
0217	Trawl on bottom.
0231	Trawl started up.
0240	Trawl on deck.
0308	Deployed Box Core #1.
0313	Box core on bottom, good, Replicate a.
0318	Box core on deck - TM/HC.
0325	Deployed Box Core #2.
0331	Box core on bottom, good, Replicate b.
0337	Box core on deck.
0341	Deployed Box Core #3.
0346	Box core on bottom, good, Replicate c.
0350	Box core on deck.
0358	Deployed Box Core #4.
0403	Box core on bottom, good, Replicate d.
0407	Box core on deck.
0419	Deployed Box Core #5.
0424	Box core on bottom, good, Replicate e.
0429	Box core on deck.
0435	Deployed Box Core #6.
0440	Box core on bottom, good, Replicate f.
0445	Box core on deck.
0540	Underway to Sta. 27.
0745	Arrived Sta. 27.
0750	Deployed television/still camera sled.
0823	First Fix (1), TV run.
0904	Last Fix (43), RV run.
0925	Deployed temporary buoy.
0930	Began hydrocast.
0945	Tripped bottles.
1005	Started Hydrolab profile.
1020	Ended Hydrolab profile.
1030	Started transmissometer profile.
1037	Ended transmissometer profile.
1052	Started photometer profile.
1101	Ended photometer profile.
1127	Deployed Dredge #1, Replicate a.
1134	Dredge on bottom.
1143	Dredge started up.
1148	Dredge on deck.
1202	Deployed Dredge #2, Replicate b.
1211	Dredge on bottom.
1219	Dredge started up.
1225	Dredge on deck.
1240	Deployed Dredge #3, Replicate c.
1246	Dredge on bottom.

1252 Dredge started up.
1258 Dredge on deck.
1330 Deployed trawl.
1336 Trawl on bottom.
1350 Trawl started up.
1359 Trawl on deck.
1400 Underway for Sta. 28.
1445 Arrived Sta. 28.
1500 Deployed buoy.
1521 Started photometer profile.
1534 Ended photometer profile.
1600 Deployed Box Core #1.
1615 Box core on bottom, good, Replicate a.
1621 Box core on deck - HC/TM.
1626 Deployed Box Core #2.
1631 Box core on bottom, good, Replicate b.
1637 Box core on deck.
1651 Deployed Box Core #3.
1656 Box core on bottom.
1701 Box core on deck - washed out.
1704 Deployed Box Core #4.
1709 Box core on bottom, good, Replicate c.
1715 Box core on deck.
1717 Deployed Box Core #5.
1722 Box core on bottom, good, Replicate d.
1728 Box core on deck.
1731 Deployed Box Core #6.
1736 Box core on bottom, good, Replicate e.
1743 Box core on deck.
1745 Deployed Box Core #7.
1750 Box core on bottom, good, Replicate f.
1755 Box core on deck.
1850 Deployed hydrocast.
1911 Tripped hydrocast bottles.
1946 Started Hydrolab profile.
1957 Ended Hydrolab profile.
2013 Began transmissometer profile.
2024 Ended transmissometer profile.
2058 Deployed trawl.
2106 Trawl on bottom.
2117 Trawl started up.
2125 Trawl on deck.
2200 Deployed television/still camera sled.
2236 First Fix (17), TV run.
2313 Last Fix (55), TV run.
2325 Recovered television system.
2330 Underway to Sta. 29.

November 21, 1980

0300 Arrived Sta. 29.
0310 Deployed television/still camera sled.
0347 First Fix (1), TV run.
0440 Last Fix (54), TV run.

0450	Recovered television system.
0505	Started hydrocast.
0521	Tripped hydrocast bottles.
0542	Started Hydrolab profile
0559	Ended Hydrolab profile.
	15 minutes down, repaired transmissometer.
0620	Began transmissometer profile.
0626	Ended transmissometer profile.
0639	Deployed Dredge #1, Replicate a.
0644	Dredge on bottom.
0652	Dredge started up.
0655	Dredge on deck.
0656	Deployed Dredge #2, Replicate b.
0700	Dredge on bottom.
0712	Dredge started up.
0716	Dredge on deck.
0739	Deployed Dredge #3, Replicate c.
0744	Dredge on bottom.
0750	Dredge started up.
0756	Dredge on deck.
0816	Deployed trawl.
0824	Trawl on bottom.
0846	Trawl started up.
0855	Trawl on deck.
0915	Underway for Fix-610 to deploy television sled to photograph rest of line that was missed during Cruise II.
1010	Arrived vicinity of Fix-610.
1020	Deployed television system. Came on line.
1059	First Fix (610) on TV Line 502.
1212	First Fix (652), Station 30, TV run (30 -5).
1310	Last Fix, Station 30, TV run (30-26).
1318	First Fix (661), after Station 30, TV run.
1400	Last Fix (684), on Line 502, TV run, 328'.
1420	Recovered television system. Headed for Sta. 30.
1500	Arrived Sta. 30.
1516	Started photometer profile.
1540	Ended photometer profile.
1555	Deployed hydrocast.
1613	Tripped bottles.
1639	Started Hydrolab profile.
1700	Ended Hydrolab profile.
1718	Started transmissometer profile.
1737	Ended transmissometer profile.
1801	Tripped bottom bottle of hydrocast.
1820	Deployed Dredge #1, Replicate a.
1825	Dredge on bottom.
1836	Dredge started up.
1841	Dredge on deck.
1907	Deployed Dredge #2, Replicate b.
1914	Dredge on bottom.
1921	Dredge started up.

1928	Dredge on deck.
1951	Deployed Dredge #3, Replicate c.
1958	Dredge on bottom.
2004	Dredge started up.
2011	Dredge on deck.
2048	Deployed trawl.
2056	Trawl on bottom.
2110	Trawl started up.
2120	Trawl on deck.
2140	Underway for St. Petersburg. Heavy seas and 25+ mph winds slowed dredges/trawl as had to slowly move to deployment while sorting the previous haul. Since no additional cost, will try to hit two of turbidity areas observed on Cruise II on the way to St. Petersburg (i.e. dock at 0200 vs. approximately 0400 hrs.).
November 22, 1980	
0545	Arrived Sta. 31.
0522	Started transmissivity profile.
0603	Ended transmissivity profile. No turbid layer, therefore, no need to attempt water sample. Large seas and high winds made it very difficult to steam to the other turbidity areas (beam sea). Decided not to attempt transmissivity profile at other areas. Checked position of ship at 1000 and 1200 hours (13875.10, 44217.15). Not near a station requiring photometer profile. Continued to steam to St. Petersburg. Navigation - Could not use Loran C to establish Hi-Fix Lane Count without placing a buoy and recording perhaps 50 Loran C readings over a time of 15 minutes. This process would have to have been repeated many times (after each loss of Hi Fix) adding many hours of time to the cruise. Loran C coordinates will be obtained at a minimum of two marked locations on the way to the dock as well as at the dock.
November 23, 1980	
0653	Loran C readings to determine if drift occurs north/south channel into Bayburo Harbor, St. Petersburg.
0745-0748	St. Petersburg Intercoastal Channel Day Marker Red #2.
0800	Dock - St. Petersburg, Florida.

Chief Scientist's Cruise Log

Spring 1981 Cruise (Year I Contract)

April 22, to May 5, 1981

April 22, 1981

0255 Left dock in Miami. Heading to Station 30. Final preparations of equipment aboard ship. Checked out personnel on lab procedures. Discussed G vs. X pattern for TV tows with F. Ayer. Will run a G pattern at each station if weather allows. If little or no live bottom is observed at hard-bottom stations-we will continue into an X pattern until we get enough quantitative. photos.

1800 ETA at Station 30 approximately 0700 April 23.

1920 Change in cruise plans. Will begin sampling at Station 25 instead of Station 30. This will save us 9 hours of transit time. Will want to go easy on fresh water due to change in the direction of the way we're running transects.

April 23, 1981

0018 Arrived at Station 25.

0042 TV sled launched.

0052 TV on bottom.

0109 Begin TV tow on Station 25.

0159 End of TV tow.

0211 TV on deck. Discussing feasibility of changing H_2O sample depths to match STD/DO and transmissometer sampling depths. Will do Station 25 as on Cruise III and check with Dave Gettleson tomorrow.

0340 Hydrocast tripped.

0409 Start Hydrolab profile.

0422 End Hydrolab profile. DO values seemed high and conductivity values seemed low.

0444 Start transmissometer profile.

0449 End transmissometer profile.

0500 Let out cable with dredge attached-to tighten new cable on drum of ship's crane - preparing for box coring. No photometer profile done - night station.

0615 Box core a - Good.

0624 Box core b - Good.

0646 Box core c - Gocd.

0701 Box core d - Good.

0721 Box core e - Good.
All box coring attempts successful.

0802 Trawl on bottom.

0812 Trawl off bottom.

0835 Station completed - underway for Station 26.

1130 May have discovered problem with Hydrolab. Low amperage on battery. Will try new battery on next station.

1300 Arrive Station 26.

1335 Start photometer profile.

1340 End photometer profile.

1412 TV sled in water.

1434 Begin TV tow.

1522 End TV tow. At 1522 lost Loran C fix while crossing

center of station. Continued across in westerly direction but we are uncertain of position from 1522-1529.

1545 Rigging for box coring. Decided to do box coring while we still have daylight due to people being unfamiliar with its operation.

1625 Box core a - Good.

1641 Box core b - Good.

1702 Box core c - Good.

1716 Box core d - Good.

1735 Box core e - Good.
All attempts were successful. Begin rigging for water column measurements.

1857 Hydrocast tripped.

1916 Start Hydrolab profile.

1923 End Hydrolab profile.

1932 Begin transmissometer profile.

1938 End transmissometer profile.

1945 Retrieve station marker buoy - rig for trawl.

2040 Trawl deployed.

2046 Start trawl.

2056 End trawl.

2100 Complete Station 26 - underway for Station 27.

2310 Arrive at Station 27 - Hard bottom.

2317 Deploy TV sled.

2337 Begin TV tow.

April 24, 1981

0031 End TV tow.

0050 Heading for middle of block.

0111 Hydrocast tripped.

0120 Heading for center of block.

0128 Hydrolab in water.

0131 Begin Hydrolab profile.

0142 Hydrolab on board - no end fix relayed by bridge.

0205 Begin transmissometer profile.

0215 Restart transmissometer profile. Had started doing 10 m intervals; require 5m depth intervals.

0228 End transmissometer profile.

0235 Underway to first dredge line.

0320 Dredge #1 on bottom.

0324 Dredge #1 off bottom.

0330 Dredge on deck.

0401 Dredge #2 on bottom.

0404 Dredge #2 off bottom.

0409 Dredge on deck.

0437 Dredge #3 on bottom.

0442 Dredge #3 off bottom.

0446 Dredge on surface.

0540 Trawl in water.

0545 Trawl on bottom.

0550 Trawl off bottom.

0609 Station 27 complete - heading for Station 28.

0700 Arrived at Station 28.

0712 Launch TV sled.
0743 Begin TV tow.
0838 End TV tow.
0940 Heading to center of block.
0950 Begin hydrocast.
1002 Trip hydrocast.
1031 Begin Hydrolab.
1044 End Hydrolab.
1106 Begin transmissometer.
1115 End transmissometer.
1130 Manuevering to trawl launch area.
1152 Launch trawl.
1158 Trawl on bottom.
1210 Retrieve trawl.
1218 Trawl at surface.
1315 Box core a - Good.
1327 Box core b - Good.
1345 Box core c - Washed out - No good.
1358 Box core c - Good.
1411 Box core d - Good.
1428 Box core e - Good.
1440 Retrieve Station buoy - completed Station 28; underway to Station 29.

Note: Photometer not working - cannot be internally calibrated to change scales - data taken to date is of no value.

1845 Arrive at Station 29 - strong easterly current.
1851 TV sled in water.
1859 TV sled on bottom.
1910 Begin TV tow.
2004 End TV tow.
2032 Begin hydrocast.
2051 Trip hydrocast
2103 Last bottle on deck.
2120 Positioning ship to begin Hydrolab profile.
2130 Begin Hydrolab profile.
2140 End Hydrolab profile.
2143 Hydrolab on deck.
2155 Start transmissometer profile.
2200 End transmissometer profile.
2225 Dredge #1 in water.
2230 Dredge #1 on bottom.
2236 Dredge #1 off bottom.
2250 Dredge #2 on bottom.
2257 Dredge #2 off bottom.
2321 Dredge #3 on bottom.
2323 Dredge #3 off bottom.
2343 Trawl in water.
2350 Trawl on bottom.

April 25, 1981

0000 Trawl off bottom.
While doing nutrient water sample filtering at 2130 it was noticed that gaskets on filters were improperly seated. May have caused sample water to leak around filter paper at Station 28. Station corrected.

0010 Trawl on deck.
0030 Heading to Station 30; approx. 8.5 meters away.
Very strong easterly current making no headway into current - a dead slow.
0158 Arrive at Station 30.
Hard Bottom.
0212 Launch TV (74.1 m).
0226 TV on bottom - problems maneuvering back into position to start TV tow in strong current.
0310 Begin TV tow - Northeast corner.
0423 End TV tow (used 2 video tapes).
Note: Extremely difficult maneuvering due to a current from approximately 320° (approximately 2 knots).
0507 Start hydrocast.
0525 Release messenger.
0605 Start Hydrolab.
0621 End Hydrolab.
0643 Start transmissometer.
0653 End transmissometer.
0719 First dredge on bottom.
0724 Dredge off bottom.
0759 Second dredge on bottom.
0804 Dredge off bottom.
0837 Third dredge on bottom.
0842 Dredge off bottom.
0847 Dredge on deck.
Note: Dredge was made by drifting across station.
0915 Launch trawl.
0919 Trawl on bottom.
0938 Raise trawl.
0943 Surface trawl not fully open - tangled.
Will re-deploy.
1106 Launch trawl.
1110 Second trawl on bottom.
1121 Second trawl off bottom.
1141 Depart station 30.
Heading to Station 24 (29.8 nmi).
1548 Arrive at Station 24 - soft bottom.
1600 TV in water.
1612 Begin TV tow.
1707 End TV tow.
1716 TV on surface.
1745 Hydrocast start.
1802 Hydrocast trip.
1817 All bottles on surface.
1842 Hydrolab in water.
1847 Start Hydrolab profile.
1857 End Hydrolab profile.
1902 Hydrolab on surface.
1917 Transmissometer start.
1923 End transmissometer.
1907 Transmissometer out of water preparing for box coring.

2016 Box core a - Bad core.
2036 Box core a - Good.
2053 Box core b - Good.
2112 Box core c - Bad core.
2132 Box core d - Good.
2210 Box core e - Good.
2240 Launch trawl.
2248 Trawl on bottom.
2258 Trawl off bottom.
2308 Trawl on deck.
2310 End Station 24.

April 26, 1981
0005 Arrive Station 23.
Hard bottom.
0028 Launch TV.
0051 Begin TV tow.
0148 End TV tow.
0215 Launch hydrocast.
0232 Messenger released.
0303 Hydrolab start.
0308 Hydrolab end.
0321 Transmissometer start.
0331 Transmissometer end.
0351 Lower Dredge #1.
0355 Ledge on bottom.
0359 Raise Dredge #1.
0434 Lower Dredge #2.
0437 Dredge #2 on bottom.
0442 Raise Dredge #2.
0505 Lower Dredge #3.
0508 Dredge #3 on bottom.
0513 Raise Dredge #3.
0553 Lower trawl.
0601 Trawl on bottom.
0612 Raise trawl.
0620 Trawl on surface.
0625 Depart for Station 22 (31.9 miles). Seas have picked up (3-4').
Note: Following Stations are done on Daylight Savings Time.
1145 Arrive Station 22 - soft bottom.
1202 Launch TV.
1211 Maneuver to line.
1218 Begin TV tow.
1317 End TV tow.
1325 TV on surface.
1351 Deploy buoy.
1357 Launch hydrocast.
1413 Trip hydrocast.
1422 Retrieve hydrocast.
1426 Start Hydrolab.
1436 End Hydrolab.
1441 Hydrolab on deck.
1450 Start transmissometer.

1455 Stop transmissometer.
1500 Transmissometer on surface.
1536 Box core a - Washed out.
1552 Box core a - Good.
1610 Box core b - Good.
1626 Box core c - Good.
Tape on Digitech jammed.
1638 Box core d - Good.
1653 Box core e - Good.
1710 Pick up buoy.
1725 Launch trawl.
1733 Begin trawl.
1743 End trawl.
1755 Retrieve trawl.
End Station 22.
1905 Arrive Station 21 - hard bottom.
1915 Launch TV.
1928 Begin TV tow.
2023 End TV tow.
2030 TV on deck.
2047 Begin hydrocast.
2102 Trip hydrocast.
2110 Surface.
2118 Launch Hydrolab.
2120 Begin Hydrolab.
2125 End Hydrolab.
2127 Surface.
2137 Launch transmissometer.
2139 Start transmissometer.
2144 End transmissometer.
2146 Transmissometer on deck.
2158 Launch Dredge #1.
2209 Dredge on bottom.
2213 Dredge off bottom.
2233 Launch Dredge #2.
2238 Dredge on bottom.
2241 Dredge off bottom.
2312 Launch Dredge #3.
2316 Dredge on bottom.
2319 Dredge off bottom.
2350 Launch trawl.
2356 Trawl on bottom.

April 27, 1981
0001 Trawl off bottom.
0005 Head for Station 20.
0345 Making about 5.8 kts into building sea (ETA Station 20).
0700 Arrive Station 20.
0705 Launch TV sled.
0715 Maneuver to first line.
0719 Begin TV run.
0820 End TV run.
Heading for Station 19 to tow TV due to its proximity.
0833 Begin TV run.

0925 End TV run.
Note: Little fauna observed on Station 19. Ran an x pattern to try to find no. fauna and get quantitative photos.
0957 Begin TV run.
1041 End TV run.
Found live-bottom assemblage (fairly large sponges and some gorgonians in north central area of block and above center of block.
Note: Returned to Station 20 to re-run TV tow on an area 750 m west of original TV run of 0719. Decca's coordinates were those prior to cruise III and did not take into account our movement of Station 20 to the west.
1108 Begin 2nd TV tows on Station 20.
1155 End of 2nd TV tow.
Got Box core coordinates for Station 20 from Decca.
1215 Maneuver to position buoy for box coring.
1250 Box core a-Good.
1300 Box core b-Good.
1309 Box core c-Good.
1317 Box core d-Bad core.
1326 Box core d-Good.
1334 Box core e-Good.
1400 Launch hydrocast.
1410 Trip hydrocast.
1414 Surface.
1417 Launch Hydrolab.
1420 Start Hydrolab.
1423 End Hydrolab.
1425 Surface.
1426 Launch transmissometer.
1428 Start transmissometer.
1432 Stop transmissometer.
1434 Surface.
1447 Pick-up buoy.
1449 Launch trawl.
1452 Trawl on bottom.
1503 Trawl off bottom.
1508 Surface.
End Station 20.
1520 Arrive Station 19.
1521 Drop buoy.
1526 Launch Hydrolab.
1530 Start Hydrolab.
1537 Stop Hydrolab.
1538 Surface.
1541 Start transmissometer.
1595 Stop transmissometer.
1546 Surface.
1553 Launch hydrocast.
1600 Trip hydrocast.

1606 Surface.
1622 Launch Dredge #1.
1625 On bottom.
1630 Off bottom.
1632 Surface.
1649 Launch Dredge #2.
1652 On bottom.
1656 Off bottom.
1658 Surface.
1702 Launch Dredge #3.
1725 On bottom.
1728 Off bottom.
1730 Surface.
1745 Launch trawl.
1749 Trawl on bottom.
1759 Off bottom.
1802 Surface.
End Station 19.
1816 Proceed to Station 13.
2145 Arrive Station 13.
2150 Launch TV.
2205 Begin TV run.
2304 End TV run.
2309 TV on surface.
2321 Launch hydrocast.
2330 Trip hydrocast.
2335 Surface.
2340 Launch Hydrolab.
2342 Start Hydrolab.
2348 End Hydrolab.
2350 Surface.

April 28, 1981
0011 Start transmissometer.
0013 End transmissometer.
0026 Lower Dredge #1.
0028 On bottom.
0032 Off bottom.
Wind from approximately 100° blew us slowly up to north on this run. Not much live bottom fauna in dredge.
0043 Lower Dredge #2.
0045 On bottom.
0050 Off bottom.
0053 Surface.
0101 Lower Dredge #3.
0103 On bottom.
0108 Raise Dredge.
0111 Surface.
0127 Lower trawl.
0130 On bottom.
0138 Raise trawl.
0142 Surface.
0150 Heading to Station 14.
0340 Arrive station 14-soft bottom.
0345 Launch TV.

0406 Begin TV tow.
0502 End TV tow.
0520 Launch hydrocast.
0532 Release messenger.
0541 Recast bottle #2 (messenger caught lip of plunger).
0559 Begin Hydrolab.
0606 End Hydrolab.
0617 Begin transmissometer.
0621 End transmissometer.
0640 Trawl on surface.
0645 Trawl on bottom.
0654 Raise trawl.
0720 Lower trawl.
0723 On bottom.
0726 Block center.
0732 Raise trawl.
0736 Surface.
0748 Deploy buoy.
0833 Box core a - Bad core.
0842 Box core a - Good core.
0855 Box core b - Good core.
0905 Box core c - No good.
0915 Box core c - No good.
0926 Box Core c - Good.
0936 Box core d - No good.
0942 Box core d - No good.
1007 Box core d - No good.
1022 Box core d - No good.
1040 Box core e - Good.
1055 Retrieve buoy and depart for Station 15.

Note: First 10 coring attempts were in fine compacted sand. Last core was a soft clay, silty sediment only 40' from previous cores. Coring problems may be a result of sediment type.

1151 Arrive Station 15.
1158 Launch TV sled.
1202 Maneuver to northeast corner.
1207 Begin TV tow.
1305 End TV tow.
1312 TV on surface.

Live-bottom fauna restricted primarily to northern 1/2 of block. Mostly sand on southern part of TV pattern.

1341 Trip hydrocast.
1347 Surface.
1354 Start Hydrolab.
1358 End Hydrolab.
1400 Surface.
1411 Start transmissometer.
1419 End transmissometer.
1420 Surface.
1440 Launch Dredge #1.

1442 On bottom.
1446 Off bottom.
1449 Surface.
1509 Launch Dredge #2.
1512 On bottom.
1516 Off bottom.
1519 Surface.
1533 Launch Dredge #3.
1534 On bottom.
1537 Off bottom.
1541 Surface.
1600 Launch trawl.
1603 On bottom.
1608 Off bottom.
1612 Surface.
1615 Head for Station 16.
1930 Finished processing biological samples.
2100 Arrive Station 16 - soft bottom.
2110 Launch TV.
2118 Start TV tow.
2208 End TV tow.
2215 TV on surface.
2230 Launch hydrocast.
2241 Trip hydrocast.
2300 Surface.
2310 Launch Hydrolab.
2313 Begin Hydrolab profile.
2325 End Hydrloab profile.
2327 Surface.
2341 Launch transmissometer.
2343 Begin transmissometer.
2349 End transmissometer.
2351 Surface transmissometer.

April 29, 1981

0018 Box core a - Good core.
0028 Box core b - Good core.
0040 Box core c - Good core.
0049 Box core d - Good core.
0058 Box core e - Good core.
0130 Trawl in water.
0131 Lower trawl.
0135 Trawl on bottom.
0144 Raise trawl.
0152 Surface.
0157 Depart for Station 17.
0310 Arrive Station 17.
0315 Launch TV sled.
0325 Maneuver to line.
0337 Begin TV tow.
0443 End "G" pattern. Will swing around to southwest corner of block and run a diagonal to northeast corner to get more quantitative plots (biota very thin).

0439 Start diagonal.
0451 Stop diagonal.
0530 Deploy hydrocast.
0545 Trip hydrocast.
0604 Start Hydrolab.
0621 End Hydrolab.
0636 Surface.
0652 Begin transmissometer.
0706 End transmissometer.
0722 Begin Dredge #1.
Recover Dredge #1 and re-deploy. Too far south of block.
0754 Begin Dredge #1.
0759 On bottom.
0806 Raise Dredge #1.
0827 Lower Dredge #2.
0832 On bottom.
0839 Raise Dredge #2.
0905 Lower Dredge #3.
0907 On bottom.
0916 Raise Dredge #3.
0942 Lower trawl.
0948 Trawl on bottom.
0957 Raise trawl.
1001 Off bottom.
1013 Depart for Station 18.
1255 Arrive Station 18.
1302 Launch TV.
1321 Start TV tow.
1411 End TV Tow.
1420 TV on surface.
1440 Drop buoy.
1446 Launch hydrocast.
1503 Tip hydrocast.
1520 Surface.
1524 Launch Hydrolab.
1530 Start Hydrolab.
1545 End Hydrolab.
1550 Surface.
1600 Launch transmissometer.
1605 Start transmissometer.
1612 End transmissometer.
1615 On surface.
1640 Box core a - Good core.
1658 Box core b - Good core.
1711 Box core c - Good core.
1725 Box core d - Good core.
1737 Box core e - Good core.
1800 Launch trawl.
1809 On bottom.
1817 Off bottom.
1827 Surface.
End Station 18.
1830 Heading for Station 11 - Transect 2.
2300 Arrive Station 11.

2305 Launch TV.
2333 Start TV tow.

April 30, 1981
0031 End TV tow.
0032 Heading to Station 12. TV in water to do TV tow. (Will save launch and recovery time).
0101 Begin TV tow on Station 12.
0144 End TV tow on Station 12.
0145 Return to Station 11 for water column and biological sampling.
0220 Launch hydrocast on Station 11.
0237 Trip hydrocast.
0243 Recast surface bottle - messenger caught under top plunger.
0301 Launch Hydrolab.
0309 Start Hydrolab.
0332 End Hydrolab.
0334 Surface.
0342 Begin transmissometer.
0402 End transmissometer.
0440 Lower Dredge #1.
0447 Dredge on bottom.
0450 Dredge hung up, weak link snapped and safety line also snapped when dredge flipped over.
Lost dredge.
0455-
0630 Rigging up 2nd dredge. Increasing strength of weak link cables.
0630 Modifications to dredge completed. Proceeding to launch point.
0631 Lower Dredge #1.
0648 On bottom.
0652 Raise Dredge.
0654 Off bottom.
0737 Lower Dredge #2.
0743 On bottom.
0747 Raise Dredge #2.
0748 Off bottom.
0815 Lower Dredge #3.
0833 On bottom.
0837 Raise Dredge #3.
0912 Lower trawl.
0919 Trawl on bottom.
0932 Raise trawl.
0945 Depart for Station 12.
1005 Arrived at Station 12.
1045 Launch hydrocast.
1058 Trip hydrocast.
Auxiliary thermometer on bottom Van Dorn bottle broken - will use other auxiliary.
1122 Start Hydrolab.
1222 Restart Hydrolab - broken power connector had to be repaired.
1245 End Hydrolab.

1255 Begin transmissometer.
1313 End transmissometer.
1337 Box core a - Good core.
1340 Box core b - Good core.
1353 Box core c - Good core.
1402 Box core d - Good core.
1415 Box core e - Good core.
1445 Launch trawl.
1455 Trawl on bottom.
1505 Trawl off bottom.
1512 Surface.
1545 Head to Station 10.
1635 Launch TV at station 10.
1702 Begin TV run.
1758 End TV run.
1800 After finishing TV tow we realized water depth at center did not correspond to depth recorded on Cruise III (80.5 - Cruise III vs. 71.3 m - Cruise IV). Checked coordinates using Loran chart and different series of lines checked out. Either an error in depth measurements on Station 10 or Cruise III or Decca gave us wrong fixes.
1830 Deploy station buoy.
1854 Launch hydrocast.
1902 Trip hydrocast.
1923 Start Hydrolab.
1935 End Hydrolab.
1940 Surface.
1948 Start transmissometer.
1952 End transmissometer.
1956 Surface.
2020 Launch Dredge #1.
2025 On bottom.
2029 Off bottom.
2046 Launch Dredge #2.
2053 Delay in positioning.
2059 On bottom.
2103 Off bottom.
2113 Launch Dredge #3.
2120 On bottom.
2125 Off bottom.
2145 Launch trawl.
2154 Trawl on bottom.
2202 Trawl off bottom.
2215 Surface - End Station 10).
We are going from Station 10 up to Station 5 on Transect 1 and then working in to shore. We will then go out Transect II to Station 9 and head for Miami. This will save us the 2.2 hours transit time between 10 and 9, and also allow us to finish box coring on deep Station 5 in calm seas.

May 1, 1981

0310 Arrive Station 5.
0315 Launch TV.
0337 Begin TV tow (northeast corner of block).
0432 End TV tow.
0440 TV on board.
0512 Hydrocast launched.
0532 Hydrocast tripped.
0546 Hydrocast finished.
0600 Begin Hydrolab.
0621 End Hydrolab.
0624 On board.
0638 Begin transmissometer.
0652 End transmissometer.
0656 On board.
0714 Launch trawl.
0723 On bottom.
0733 Raise trawl.
0742 Surface.
0855 Box core a - Good.
0902 Box core b - No good.
0915 Box core b - Good.
0922 Box core c - Good.
0940 Box core d - Good.
0951 Box core e - Good.
1004 Depart for Station 4.
1325 Arrive Station 4.
1330 Launch TV.
1343 Start TV tow.
1438 End TV tow.
1448 Surface.
1515 Launch hydrocast.
1526 Trip hydrocast.
1537 Surface.
1541 Launch Hydrolab.
1546 Start Hydrolab.
1555 End Hydrolab.
1600 Surface.
1610 Launch.
1614 Start transmissometer.
1618 End transmissometer.
1620 Surface transmissometer.
1639 Box core a - No good.
1650 Box core a - Good.
1700 Box core b - Good.
1708 Box core c - Good.
1716 Box core d - No good.
1724 Box core d - Good.
1734 Box core e - Good.
1750 Pull buoy.

1807 Launch trawl.
1813 Start trawl (on bottom).
1823 Raise trawl.
1835 Leave Station 4.
Note: Oil drilling rig or 4 miles north of transect at 26°49'40" and 83°25'00".
1946 Arrive at Station 3.
1950 Launch TV sled.
2003 Begin TV run.
2056 End TV run.
2103 TV surface.
Only fauna occurred in depressions to the west and southwest of block center.
2115 Launch hydrocast.
2128 Trip hydrocast.
2137 Surface.
2146 Launch Hydrolab.
2150 Start Hydrolab.
2158 End Hydrolab.
0200 Surface.
2211 Launch transmissometer.
2215 Start transmissometer.
2219 End transmissometer.
2222 Surface.
2234 Launch Dredge #1.
2237 On bottom.
2241 Off bottom.
2245 Surface.
2300 Launch Dredge #2.
2304 On bottom.
2308 Off bottom.
2313 Surface.
2326 Launch Dredge #3.
2329 On bottom.
2334 Off bottom.
2340 Surface.

May 2, 1981
0002 Launch trawl.
0008 On bottom.
0019 Off bottom.
0029 Surface.
0030 Depart for Station 2.
0445 Arrive Station 2.
0453 Launch TV sled.
0520 Begin TV tow.
0622 End TV tow.
0630 TV aboard.
0641 Launch first bottle of hydrocast.
0643 Bottles in water.
0650 Trip hydrocast.
0655 Surface.
0659 Launch Hydrolab.
0706 Begin Hydrolab.
0711 End Hydrolab.

0725 Launch transmissometer.
0727 Begin transmissometer.
0731 End transmissometer.
0815 Box core a - No good.
0825 Box core a - Good.
0833 Box core b - Good.
0841 Box core c - No good.
0849 Box core c - No good.
0857 Box core c - Good.
0904 Box core d - Good.
0912 Box core e - Good.
0950 Lower trawl.
0955 Trawl on bottom.
1008 Raise trawl.
1012 Trawl on surface.
1015 Depart area - head to Station 1.
1055 Arrive Station 1.
1058 Launch TV sled.
1107 Begin TV tow.
1211 End TV tow.
1215 On board.
1235 Launch hydrocast.
1243 Trip cast.
1245 Onboard.
1254 Start Hydrolab.
1301 End Hydrolab.
1304 Surface.
1324 Start transmissometer.
1328 End transmissometer.
1330 Surface.
1345 Launch Dredge #1.
1351 On bottom.
1356 Off bottom.
1401 Surface.
1413 Launch Dredge #2.
1417 On bottom.
1422 Off bottom.
1425 Surface.
1441 Launch Dredge #3.
1444 On bottom.
1449 Off bottom.
1452 Surface.
1515 Launch trawl.
1522 On bottom.
1534 Off bottom.
1538 Surface.
1540 End Station 1.
Seas picking up - 3-5'.
1937 Arrive Station 6.
1944 Drop buoy.
Will do box coring first because of building seas as well as to take advantage of daylight (4-6' seas).

2004 Box core a - No good.
2014 Box core a - Good.
Box core b - No good.
2038 Box core b - Good.
Box core c - No good.
2044 Box core c - Good.
2100 Box core d - Good.
2100 Box core e - No good.
2147 Box core e - Good.
2242 Launch TV.
2258 Start TV tow.
2353 End TV tow.

May 3, 1981
0000 Surface.
0033 Launch hydrocast.
0047 Trip hydrocast.
0057 Second trip (bottom 2 bottles).
0119 Begin Hydrolab.
0124 End Hydrolab.
0145 Begin transmissometer.
0148 End transmissometer.
0223 Lower trawl.
0229 On bottom.
0234 Raise trawl.
0245 Depart for Station 7.
0420 Arrive Station 7.
0425 Launch TV.
0444 Begin TV run.
0544 End TV run.
0652 Launch hydrocast.
0657 Trip hydrocast.
0707 Recast bottom .
Second recast of bottom bottles.
0723 Start Hydrolab.
0729 End Hydrolab.
0801 Start transmissometer.
0805 End transmissometer.
0829 Lower Dredge #1.
0831 Dredge on bottom.
0836 Raise Dredge #1.
0846 Lower Dredge #2.
0848 Dredge on bottom.
0851 Raise Dredge #2.
0926 Lower Dredge #3.
0928 Dredge on bottom.
0932 Raise Dredge #3.
1031 Lower trawl.
1034 Trawl on bottom.
1046 Raise trawl.
1115 Recast transmissometer (data sheets lost over side in wind).
1130 End transmissometer.
1500 Arrive station 8.
1510 Launch TV.

1521 Start TV tow.
1608 End TV tow.
1652 Trip hydrocast.
1714 Start Hydrolab.
1723 End Hydrolab (bottom).
1742 Start transmissometer.
1746 End transmissometer.
1812 Box core a - Good.
1853 Box core b - Good.
1905 Box core c - Bad core.
1911 Box core c - Good.
1920 Box core d - Good.
2000 Box core e - Good.
2050 Lower trawl.
2054 On bottom.
2104 Raise trawl.
2115 Depart for Station 9.
2245 Arrive Station 9.
2300 Launch TV.
2318 Begin TV run.

May 4, 1981
0007 End TV run.
0051 Trip hydrocast.
0115 Begin Hydrolab.
0124 End Hydrolab.
0132 Begin transmissometer.
0146 End transmissometer.
0202 Lower Dredge #1.
0205 Dredge on bottom.
0209 Raise Dredge #1.
0225 Lower Dredge #2.
0228 On bottom.
0232 Raise Dredge #2.
0258 Lower Dredge #3.
0301 Dredge on bottom.
0304 Raise Dredge #3.
0330 Lower trawl.
0337 Trawl on bottom.
0345 Raise trawl.
0402 Depart for Miami.
0500 Finished processing samples.
Seas 3-6' ETA Miami late Tuesday.
May 4 or early AM May 5.

May 5, 1981
0830 Start Demobilization (seas approx. 1 ft).
1730 Arrive at dock in Miami - spending night aboard ship and will unload tomorrow AM.

Chief Scientist's Cruise Log

Summer 1981 Cruise (Year II Contract)

July 16, to August 6, 1981

July 16, 1981

0200	Departed dock at St. Petersburg. Enroute to St. 31 at western end of Line A - Fix
1545	750. Arrived at St. 31.
1600	Deployed TV/still camera system.
1620	Problems with TV cable - distorted picture.
1630	Pulled TV sled from water; repaired short in cable.
1830	Prepared to lower TV sled after cable repairs. Problems with Pan & Tilt unit.
1858	Launched TV sled. Pan & Tilt not working.
1930	Began TV tow on St. 31.
2010	End of TV run at St. 31.
2020	TV/still camera system on surface.
2030	Rigged bottles for hydrocast; problems with "Go-Flo" bottles.
2234	Launched hydrocast.
2311	Tripped hydrocast.
2342	Hydrocast on surface; two bottles failed to close.
2359	Launched a second hydrocast.

July 17, 1981

0003	Tripped hydrocast.
0005	Hydrocast on surface.
0110	Lowered Hydrolab.

0120	Hydrolab on surface; re-calibarated.
0141	Re-launched Hydrolab.
0214	End of Hydrolab profile.
0238	Launched transmissometer.
0304	End of transmissometer profile.
0315	Rigged for trawling.
0428	Launched trawl.
0442	Trawl on bottom (1625' behind boat).
0457	End of trawl run.
0515	Trawl on surface.
0530	Box corer boxes would not fit corer; made revisions on boxes and corer; tightened bolts on all boxes.
0853	Box Core A - good sample.
0917	Box Core B - good sample.
0936	Cable separated with about 200' of wire out.
0937	Prepared grappling gear.
1100	Began searching for box corer using grappling gear.
1530	Decided to continue to next station. Will run TV and trawl at St. 5 (soft bottom), then proceed in along the line to Sts. 4, 3, and 1 (pending no change in plans due to communication with shore). Problems reaching marine operator.
1645	Arrived at St. 5.
1708	Launched TV/still camera system sled.
1734	Began TV tow.
1813	Ended TV tow.

1814	Retrieved TV/still camera system.
1825	System on deck.
1914	Launched trawl.
1925	Trawl on bottom.
1937	Trawl off bottom.
1946	Trawl on surface.
2000	Underway for St. 4.
2300	Arrived at St. 4.
2315	Began TV/still camera system.
2354	End of TV tow.

July 18, 1981

0002	TV/still camera system on surface.
0017	Began hydrocast.
0031	Tripped hydrocast.
0039	Hydrocast on surface.
0053	Began Hydrolab.
0119	End of Hydrolab profile.
0121	Hydrolab on surface.
0157	Launched transmissometer.
0202	Started transmissometer profile.
0213	Ended transmissometer profile.
0215	Transmissometer on surface.
0242	Deployed trawl.
0248	Trawl on bottom.
0302	Trawl off bottom.

0308	Trawl on deck.
0314	Headed for St. 3.
0423	Arrived at St. 3.
0505	Began TV/still camera system tow.
0539	Ended TV tow.
0610	Deployed Dredge A.
0614	Dredge on bottom.
0619	Dredge off bottom.
0622	Dredge on surface.
0633	Deployed Dredge B.
0638	Dredge on bottom.
0640	Dredge off bottom.
0644	Dredge on surface.
0733	Deployed Dredge C.
0737	Dredge on bottom.
0738	Broke weak link on dredge. Recovered dredge and repaired link.
0813	Dredge C on bottom.
0817	Dredge off bottom.
0820	Dredge on surface.
0929	Deployed trawl.
0935	Trawl on bottom.
0946	Trawl off bottom.
0952	Trawl on surface.
1004	Underway for St. 1.
1345	Arrived at St. 1.

1400	Launched TV/still camera system sled.
1410	Began TV tow.
1447	Ended TV tow.
1453	TV system on surface. Problem with TV video picture; anticipated cable difficulties.
1503	Launched hydrocast.
1520	Re-launched hydrocast; second bottle failed to trip.
1525	Tripped hydrocast.
1529	Hydrocast on surface.
1535	Launched photometer.
1545	Started photometer profile.
1550	Ended photometer profile.
1551	Photometer on surface.
1602	Launched Hydrolab.
1608	Started Hydrolab profile.
1612	Ended Hydrolab profile.
1613	Hydrolab on surface.
1623	Launched transmissometer.
1628	Started transmissometer profile.
1633	Ended transmissometer profile.
1635	Transmissometer on surface.
1647	Launched Dredge A.
1650	Dredge on bottom.
1653	Dredge off bottom.
1654	Dredge on surface.

1705	Launched Dredge B.
1707	Dredge on bottom.
1710	Dredge off bottom.
1712	Dredge on surface.
1736	Launched Dredge C.
1738	Dredge on bottom.
1741	Dredge off bottom.
1743	Dredge on surface.
1804	Launched trawl.
1807	Trawl on bottom.
1817	Trawl off bottom.
1820	Trawl on surface; very little in trawl (mainly algae).
1825	Underway for St. 6.
2200	Arrived at St. 6.
2210	Deployed TV/still camera system sled.
2219	Started TV run.
2251	Ended TV run.
2257	TV system on surface; TV picture still "breaking up" - much interference.
2311	Launched hydrocast.
2319	Tripped hydrocast.
2323	Hydrocast on surface.
2327	Launched Hydrolab.
2333	Started Hydrolab profile.
2337	Ended Hydrolab profile.
2339	Hydrolab on surface.

2347	Launched transmissometer.
2351	Started transmissometer profile.
2355	Ended transmissometer profile.
2357	Transmissometer on surface.

July 19, 1981

0050	Launched trawl.
0053	Trawl on bottom.
0105	Began to retrieve trawl.
0109	Trawl on surface.
0115	Underway to St. 7.
0205	Arrived at St. 7.
0220	Deployed TV/still camera system sled.
0250	Started TV run (10 knot wind from south).
0318	Ended TV run.
0325	TV system on deck.
0357	Launched Dredge A.
0400	Dredge on bottom (400' of cable out).
0404	Dredge off bottom.
0407	Dredge on surface.
0431	Launched Dredge B.
0433	Dredge on bottom.
0438	Dredge off bottom.
0441	Dredge on surface.
0515	Launched Dredge C.
0518	Dredge on bottom.

0522	Dredge off bottom.
0525	Dredge on surface.
0550	Launched trawl; bridal tangled in fairlead.
0606	Re-launched trawl.
0612	Trawl on bottom.
0626	Trawl off bottom.
0633	Trawl on surface.
0652	Underway for St. 9.
1058	One mile from St. 9; prepared to deploy TV/still camera system.
1115	TV sled in water.
1138	Began TV tow.
1211	Ended TV tow.
1218	TV system on surface.
1250	Launched hydrocast.
1305	Tripped hydrocast.
1315	Hydrocast on surface.
1331	Launched Hydrolab.
1336	Started Hydrolab profile.
1346	Ended Hydrolab profile.
1349	Hydrolab on surface.
1400	Found out from office that another box corer would be available from F.I.O. Would be ready Tuesday night. Will arrange to get into St. Petersburg Tuesday afternoon.
1402	Launched transmissometer.
1407	Began transmissometer profile.

1419	Ended transmissometer profile.
1436	Launched photometer.
1438	Began photometer profile.
1444	Ended photometer profile.
1446	Photometer on surface.
1514	Launched Dredge A.
1518	Dredge on bottom.
1521	Retrieved Dredge A.
1525	Dredge on surface.
1535	Launched Dredge B.
1540	Dredge on surface.
1543	Retrieved Dredge B.
1546	Dredge on surface.
1610	Launched Dredge C.
1614	Dredge on bottom.
1618	Retrieved Dredge C.
1623	Dredge on surface.
1650	Launched trawl.
1653	Trawl on bottom.
1710	Retrieved trawl.
1716	Trawl on surface.
1720	Underway for St. 11.
2020	Arrived at St. 11.
2028	Launched TV/still camera system sled.
2040	TV light not working; raised sled to check out problem.

2045	TV system on deck; apparent short in TV cable.
2150	Short appeared to be in cable itself - above breakout connections. Began checking cable.
2230	Due to rough relief of hard bottom on St. 11 we will not do dredges and trawl here while awaiting TV system repair. We will head to St. 12 (within 1 mile) to do soft bottom trawl. Will then do TV tow on St. 12 if system is ready and then return to St. 11.
2300	Arrived at St. 12.
2314	Launched trawl.
2318	Trawl on bottom.
2331	Retrieved trawl.
2337	Trawl on surface.

July 20, 1981

0000	Due to cable repair which will take approximately 12 hours, decision was made to return to St. Petersburg to pick up new box corer 1 day early and obtain extra wire rope for original box core recovery operation. ETA at St. Petersburg: 1500, July 20.
1400	Arrived at Bayboro Dock, St. Petersburg.
1500	New box corer delivered to ship. Began making modifications to corer and fitting it with boxes. Found 6 that fit with no change necessary. Began cutting up sheet metal to make grappling hook for recovery of lost box corer. Picked up 2 more spools of wire rope for box corer recovery. Re-welded cable stops in box corer. Took on water and food. Spooled new wire rope onto ship's main hydraulic winch.

July 21, 1981

0330	Welders finished - ready to depart.
0400	Departed St. Petersburg.
0415	Checked Loran C readings at Channel Markers 1 and 2.
0420	Underway to St. 4.
1415	Arrived at St. 4.
1452	Towed dredge to straighten new cable put on ship's boom winch.
1509	Tow completed; headed to center of station.
1526	Buoy deployed; ready to begin box coring.
1547	Box Core A - good sample.
1600	Standing by due to sudden squall.
1642	Box Core B - good sample.
1656	Box Core C - washed out - no good.
1710	Box Core C - good sample.
1729	Box Core D - good sample.
1741	Box Core E - Cable on box corer slipped through cable clamps - lost box corer in 196 feet of water.
1800	Prepared for salvage.
1900	Began search for box corer. Towed approximately 1,000 feet of cable with large grappling hook on end in half circles around site where corer was lost.

July 22, 1981

0600	Box corer has been picked up on sonar repeatedly. Loop of cable appears to be passing over the corer on the bottom.
0900	Because of flat seas (no waves, < 1 foot swell) we have decided to use TV sled along

	with main winch cable and grappling hook. Plan is to attach TV sled loosely to main cable 15' above hook and use TV system to allow us to position hook in frame of corer. Appears to be last option open to us.
1152	Set buoy at position of fathometer trace of box corer.
1236	Began TV and grapple search for box corer.
1315	Spotted box corer on TV - positioning ship over box corer using bow thruster.
1341	Spotted corer for second time; attached grappling hook.
1351	Box corer hooked and on way up.
1415	TV sled on deck.
1430	Box corer on deck secured; no visible damage. Re-rigged corer.
1646	Box Core E on St. 4 completed - good sample.
1700	Underway for St. 5.
2030	Arrived at St. 5.
2111	Box Core A - good sample.
2129	Box Core B - good sample.
2150	Box Core C - washed out.
2205	Box Core C - good sample.
2219	Box Core D - washed out.
2234	Box Core D - good sample.
2248	Box Core E - washed out.
2307	Box Core E - good sample.
2315	Underway for St. 31.

July 23, 1981

0059	Arrived at St. 31. Rigged for box coring - need 4 more cores.
0149	Box Core C - good sample.
0215	Box Core D - good sample.
0240	Box Core E - good sample.
0305	Box Core F - good sample (hydrocarbons/trace metals).
0342	Finished subsampling hydrocarbons. Prepared to search for lost box corer.
0417	Pulled white marker buoy.
0457	Started fathometer search for box corer.
0642	Sighted on fathometer trace.
0730	Prepared TV sled grappling gear.
0900	TV sled in water.
0920	Interference on video picture at around 300 feet depth.
0930	Brought TV system back up on deck.
1118	TV system re-lowered to bottom; light malfunctioning.
1135	TV system back on deck; checked out cable.
1145	Deployed dredge to tighten 3/8" cable on air tugger.
1200	Switched TV cables.
1351	TV repaired; prepared for search - added Pan & Tilt.
1530	TV system in water; conducted search.
1830	Sighted box corer; jammed pan & tilt - pulled sled to adjust pan & tilt.
1900	TV system back in water.

1930	Pulled TV sled to re-adjust chain on hook to get sled closer to bottom.
1945	TV sled back in water.
2130	Hooked box corer.
2259	Box corer recovered; no apparent damage.
2306	Pulled marker buoy.
2315	Secured box corer and TV system on deck.

July 24, 1981

0151	Deck secured; underway to St. 11.
0250	Reduced speed; very rough seas (4-5'); crew unable to work on foredeck at full speed.
0602	Resumed speed; squalls slowing us down - average speed 6 knots.
0737	Arrived at St. 11. Headed into seas at dead slow; prepared deck for TV tow.
0900	Dismantled box corer; stored on stern due to lack of deck space on fore-deck.
1337	Launched TV/still camera system sled.
1404	Began TV tow.
1446	Ended TV tow. Proceeded to St. 12 with TV system in water to do TV tow.
1458	Arrived at St. 12.
1510	Began TV tow.
1551	Ended TV tow.
1605	TV system on surface.
1615	Deployed buoy for box coring.
1630	Box Core A - good sample.
1650	Box Core B - good sample.

1704	Box Core C - good sample.
1721	Box Core D - good sample.
1734	Box Core E - washed out.
1751	Box Core E - good sample. Finished St. 12.
1810	Pulled buoy; headed to St. 11 to finish dredges and trawl.
1858	Launched Dredge A.
1902	Dredge on bottom.
1907	Retrieved dredge.
1913	Dredge on surface.
1922	Launched Dredge B.
1928	Dredge on bottom.
1932	Retrieved dredge.
1935	Dredge on surface.
1955	Launched Dredge C.
2000	Dredge on bottom.
2004	Retrieved dredge.
2010	Dredge on surface.
2111	Launched trawl. (Squall came up with 35 knot winds).
2116	Trawl on bottom.
2126	Retrieved trawl.
2134	Trawl on surface. Processed samples and secured equipment.
2220	Underway for St. 33.

July 25, 1981

0030	Arrived at St. 33; soft bottom. Prepared for box coring (TV system under repair).
0113	Ready to begin box coring.
0121	Box Core A - good sample.
0151	Box Core B - good sample.
0215	Box Core C - good sample.
0238	Box Core D - good sample.
0324	Box Core E - no good (bottom of box broken).
0352	Box Core E - good sample.
0417	Box Core F - good sample (trace metals and hydrocarbons). Prepared for hydrocast.
0552	Began deploying bottles.
0641	Tripped hydrocast; no good - first bottle did not trip.
0701	Tripped hydrocast; first 3 bottles only.
0722	Tripped hydrocast; only first 4 bottles tripped. Messengers were getting tangled in lanyards of "Go-Flo" bottles.
0733	Successful trip of bottles.
0811	Bottles on surface; bottle from 34.0 meters leaked - will re-cast it.
0815	Returned to station center to re-cast bottle.
0916	Tripped 34.0 meter bottle.
0920	Bottle on deck; headed into seas to reduce rolling during lab work. Calibrated transmissometer and Hydrolab.
1038	Lab work finished. Headed to station center to begin Hydrolab cast.
1107	Began Hydrolab profile.

1126	Ended Hydrolab profile.
1137	Hydrolab on surface.
1150	Calibrated photometer.
1224	Began photometer profile.
1238	Cable fouled; brought aboard and started over.
1244	Began photometer profile.
1258	Ended photometer profile. TV cable repaired; ready for TV tows.
1330	Launched TV/still camera system sled on St. 33.
1349	Began TV tow.
1438	Ended TV tow.
1454	TV system on surface.
1500	Headed to St. 32 for TV tow. Changed out film in camera.
1530	Arrived at St. 32.
1612	Launched TV/still camera system sled; positioning difficult due to seas.
1654	Began TV tow.
1741	Ended TV tow.
1755	TV on surface. Rigged for dredging at St. 32.
1845	Launched Dredge A.
1854	Dredge on bottom.
1900	Retrieved Dredge A.
1907	Dredge on surface.
1918	Launched Dredge B.
1926	Dredge on bottom.

1932	Retrieved Dredge B.
1940	Dredge on surface.
1951	Launched Dredge C.
1959	Dredge on bottom.
2012	Retrieved Dredge C.
2020	Dredge on surface.
2030	Began rigging extra cable for trawl.
2200	Launched trawl.
2212	Trawl on bottom.
2231	Retrieved trawl.
2245	Trawl on surface.
2250	Headed to St. 33.
2320	Launched trawl at St. 33.
2331	Trawl on bottom.
2351	Retrieved trawl.

July 26, 1981

0007	Trawl on surface. Repaired transmissometer. Temperature on transmissometer is probably erroneous from here on.
0219	Began transmissometer cast.
0237	Ended transmissometer cast.
0242	Transmissometer on surface.
0316	Underway to St. 35.
0719	Arrived at St. 35.
0740	Began deploying TV/still camera system.
0825	TV deployed; headed to end of line.

0854	Began TV tow.
0951	Ended TV tow.
0955	Shut down Loran C to allow welding on deck; welded down winch.
1013	TV system on deck.
1030	Lorah C re-programmed; headed back to station center. Prepared for hydrocast.
1053	First bottle in water.
1132	First bottle tripped due to ship surge; brought back on deck to re-set it.
1146	Tripped hydrocast.
1222	Hydrocast on surface.
1303	Launched transmissometer.
1310	Began transmissometer profile.
1342	Ended transmissometer profile.
1347	Transmissometer on surface.
1425	Launched Hydrolab.
1432	Began Hydrolab profile.
1449	Ended Hydrolab profile.
1452	Hydrolab on surface.
1505	Launched photometer.
1507	Began photometer profile.
1513	Ended photometer profile.
1515	Photometer on surface.
1533	Launched Dredge A.
1541	Dredge on bottom.
1547	Dredge off bottom.

1554	Dredge on surface.
1610	Launched Dredge B.
1618	Dredge on bottom.
1627	Dredge off bottom.
1633	Dredge on surface.
1654	Launched Dredge C.
1700	Dredge on bottom.
1707	Dredge off bottom.
1712	Dredge on surface.
1730	Began rigging extra cable for trawl.
1842	Launched trawl.
1854	Trawl on bottom.
1910	Trawl off bottom.
1922	Trawl on surface.
1935	Underway for shotpoint 861 on Transect C - Rock or "Pinnacle" area.
2120	Arrived at Shotpoint - 861. Lowered rock dredge twice to take samples from "pinnacle" area. First dredge came up with one sponge. Second dredge became hung up on rock. Backed ship down and freed dredge. Contained 2 small rocks and 3 sponges. Decided to proceed to St. 34.
2202	Dredge A on bottom.
2248	Dredge off bottom.
2310	Dredge B on bottom.

2335	Dredge off bottom.
2340	Dredge B on deck; secured gear.
2353	Underway for St. 34.

July 27, 1981

0042	Arrived at St. 34. Prepared to deploy TV/still camera system.
0058	TV sled in water.
0119	Headed onto line.
0135	Began TV tow.
0219	Ended TV tow.
0241	TV system on deck. Rigged for box coring.
0312	Box Core A - good sample.
0339	Box Core B - washed out.
0406	Box Core B - did not trip.
0416	Box Core B - good sample.
0443	Box Core C - washed out.
0507	Box Core C - washed out.
0531	Box Core C - washed out.
0554	Box Core C - washed out.
0610	Began modifications on box corer - cut "ears" off pulley end of spade to allow spade to rotate further under box (same modifications made to corer last November).
0726	Deployed marker buoy for day operations.
0810	Box Core C - good sample.
0824	Box Core D - good sample.
0849	Box Core E - good sample.

0909	Box Core F - good sample.
0940	Rigged for trawl; added cable to winch.
1050	Trawl on bottom.
1111	Trawl off bottom.
1124	Trawl on surface.
1131	Underway for St. 16; headed into 10-15 knot wind and 3-4 feet seas.
1720	Arrived at St. 16.
1725	Launched TV/still camera system sled.
1750	Began TV tow.
1825	Ended TV tow.
1830	TV system on surface.
1910	Launched hydrocast.
1935	Tripped hydrocast.
1944	Bottles on surface.
1949	Launched Hydrolab.
1954	Started Hydrolab profile.
2005	Ended Hydrolab profile.
2009	Hydrolab on surface.
2015	Launched transmissometer.
2020	Started transmissometer profile.
2026	Ended transmissometer profile.
2029	Transmissometer on surface.
2105	Launched trawl.
2114	Trawl on bottom.
2121	Retrieved trawl.

2133	Trawl on surface.
2243	Box Core A - good sample.
2254	Box Core B - good sample.
2306	Box Core C - good sample.
2315	Box Core D - washed out.
2324	Box Core D - washed out.
2336	Box Core D - good sample.
2348	Box Core E - good sample.
2355	Pulled station marker buoy.

July 28, 1981

0000	Underway for St. 6.
0525	Arrived at St. 6.
0540	Box Core A - good sample.
0549	Box Core B - washed out.
0602	Box Core B - no penetration.
0611	Box Core B - good sample.
0631	Box Core C - washed out.
0646	Box Core C - good sample.
0658	Box Core D - good sample.
0711	Box Core E - good sample.
0715	Underway for St. 15.
1115	Arrived at St. 15. Deployed TV/still camera system sled.
1140	Began TV tow.
1219	Ended TV tow.
1224	TV system on surface.

1244	Launched Dredge A.
1248	Dredge on bottom.
1255	Retrieved dredge.
1258	Dredge on surface.
1312	Launched Dredge B.
1315	Dredge on bottom.
1320	Retrieved dredge.
1325	Dredge on surface.
1330	Added oil to compressor.
1359	Launched Dredge C.
1403	Dredge on bottom.
1407	Retrieved dredge.
1410	Dredge on surface.
1447	Launched trawl.
1452	Trawl on bottom.
1508	Retrieved trawl.
1512	Trawl on surface.
1515	Underway for St. 14.
1624	Arrived at St. 14.
1630	Launched TV/still camera system sled.
1652	Began TV tow.
1730	Ended TV tow.
1735	TV system on surface.
1756	Box Core A - good sample.
1804	Box Core B - good sample.
1813	Box Core C - good sample.

1823	Box Core D - washed out.
1833	Box Core D - washed out.
1842	Box Core D - washed out.
1915	Box Core D - washed out.
1927	Box Core D - good sample.
1936	Box Core E - good sample.
2005	Launched trawl.
2010	Trawl on bottom.
2018	Retrieved trawl.
2023	Trawl on surface.
2030	Underway for St. 13.
2200	Arrived at St. 13.
2215	Launched TV/still camera system sled.
2223	Started TV tow.
2255	Ended TV tow.
2259	TV system on surface.
2311	Launched hydrocast.
2320	Tripped hydrocast bottles.
2325	Bottles on deck.
2329	Launched Hydrolab.
2333	Started Hydrolab profile.
2335	Ended Hydrolab profile.
2336	Hydrolab on surface.
2343	Launched transmissometer.
2345	Started transmissometer profile.
2347	Ended transmissometer profile.

2349	Transmissometer on surface.

July 29, 1981

0006	Launched Dredge A.
0009	Dredge on bottom.
0012	Retrieved dredge.
0015	Dredge on surface.
0025	Launched Dredge B.
0028	Dredge on bottom.
0031	Retrieved dredge.
0033	Dredge on surface.
0054	Launched Dredge C.
0057	Dredge on bottom.
0101	Retrieved dredge.
0103	Dredge on surface.
0127	Launched trawl; became tangled in block as ship passed launch area. Made turn and came around for another pass.
0145	Re-launched trawl; made a short tow due to presence of loggerhead sponges.
0152	Trawl on bottom.
0200	Began retrieval of trawl.
0206	Trawl on surface; trawl's cod end was ripped open (3' tear). Probably due to loggerhead sponges building up in cod end and weighing it down. No additional trawl done on this station due to adequacy of dredge samples. Retrieved gorgonians, algae, and a few sponges in trawl mesh.
0213	Underway to St. 20.

0515	Arrived at St. 20; prepared to deploy TV/still camera system.
0551	Headed on line.
0605	Began TV tow.
0642	Ended TV tow.
0701	Buoy deployed for box coring.
0812	Box Core A - washed out.
0829	Box Core A - good sample.
0841	Box Core B - good sample.
0852	Box Core C - washed out.
0902	Box Core C - washed out.
0918	Box Core C - good sample.
0929	Box Core D - washed out.
0942	Box Core D - good sample.
0952	Box Core E - washed out.
1002	Box Core E - broken box.
1015	Box Core E - good sample.
1036	Began hydrocast.
1052	Tripped hydrocast bottles.
1057	Bottles on surface.
1149	Began Hydrolab profile.
1152	Ended Hydrolab profile.
1159	Began photometer profile.
1204	Ended photometer profile.
1234	Began trawl; on bottom.
1250	Retrieved trawl.

1252	Trawl on surface.
1258	Underway to St. 25.
1635	Arrived at St. 25.
1645	Realized strobe for Benthos camera had burned out. Major circuit board burned out. Cannot reach marine operator to call Benthos due to weather interference. Continued sampling on station.
1700	Launched hydrocast.
1708	Tripped hydrocast.
1710	Hydrocast on surface.
1747	Launched Hydrolab.
1749	Began Hydrolab profile.
1802	Ended Hydrolab profile.
1804	Hydrolab on surface.
1811	Launched transmissometer.
1813	Started transmissometer profile.
1820	Ended transmissometer profile.
1822	Transmissometer on surface.
1830	Underway to Key West; had to reach a land line to make phone call to Benthos to order replacement part for strobe. Also, needed fuel and water.
2200	Arrived at Key West; made phone call to Benthos. Part will be sent out; should arrive at 1800 on July 30.

July 30, 1981

0800	Craig McKee arrived from CSA with more sample containers and to replace Lou Blaisdell. Worked on sharpening edges of box corer boxes to aid in box penetration.

1600	Found out from Benthos that replacement part will not arrive until 2100, July 30.
2200	Part for strobe arrived at ship; assembled and checked out strobe.

July 31, 1981

0230	Underway from dock at Key West.
0300	Calibrated Loran C on Key West northwest Channel Markers 17 and 15A.
0320	Headed north out northwest channel from Key West to St. 25.
0630	Arrived at St. 25.
0711	Launched TV/still camera system sled.
0732	Began TV tow.
0811	Ended TV tow.
0825	TV system on surface.
0838	Deployed buoy for box coring.
0846	Box Core A - no good - penetrated too deeply.
0855	Box Core A - good sample.
0906	Box Core B - good sample.
0914	Box Core C - good sample.
0926	Box Core D - good sample.
0937	Box Core E - good sample.
1013	Launched trawl.
1017	Trawl on bottom.
1031	Retrieved trawl.
1035	Trawl on surface.
1045	Underway to St. 21.
1610	Arrived at St. 21.

1615	Repaired film advance mechanism in Benthos still camera.
1656	Deployed TV/still camera system.
1708	Headed on line.
1724	Began TV tow.
1804	Ended TV tow.
1810	TV system on deck.
1858	Dredge A on bottom.
1902	Dredge off bottom.
1926	Dredge B on bottom.
1931	Dredge off bottom.
1954	Dredge C on bottom.
1959	Dredge off bottom.
2027	Trawl on bottom.
2036	Trawl off bottom.
2041	Trawl on surface.
2048	Underway for St. 22.
2204	Arrived at St. 22.
2240	Deployed TV/still camera system and buoy.
2254	Began TV tow.
2326	Ended TV tow.
2333	TV system on deck.

Aug. 1, 1981

0004	Began deploying hydrocast.
0019	Tripped hydrocast bottles.
0032	Bottles on deck.

0204	Launched transmissometer.
0209	Began transmissometer profile.
0222	Ended transmissometer profile.
0224	Transmissometer on surface.
0238	Launched Hydrolab.
0243	Began Hydrolab profile.
0302	Ended Hydrolab profile.
0305	Hydrolab on surface. Rigged for box coring.
0319	Box Core A - good sample.
0328	Box Core B - good sample.
0341	Box Core C - good sample.
0353	Box Core D - good sample.
0406	Box Core E - good sample.
0415	Rigged trawl.
0442	Launched trawl.
0446	Trawl on bottom.
0500	Began trawl retrieval.
0507	Trawl on surface.
0520	Underway for St. 23.
0925	Arrived at St. 23.
0929	Launched TV/still camera system sled.
1008	Began TV tow; difficulty deploying buoy on TV sled.
1045	Ended TV tow.
1057	TV system on deck.
1119	Launched Dredge A.

1126	Dredge on bottom.
1131	Dredge off bottom.
1139	Dredge on surface.
1200	Launched Dredge B.
1207	Dredge on bottom.
1212	Dredge off bottom.
1219	Dredge on surface.
1226	Launched Dredge C.
1232	Dredge on bottom.
1238	Dredge off bottom.
1246	Dredge on surface. Rigged for trawl.
1352	Trawl on bottom.
1407	Retrieved trawl.
1415	Trawl on surface.
1424	Underway for St. 24.
1503	Arrived at St. 24.
1534	Began TV sled and buoy deployment; due to wind and current drift we ended up about 1.5 miles from starting point once sled was deployed.
1645	Began TV/still camera system tow on station.
1726	Ended TV tow.
1747	TV system on deck.
1810	Station buoy deployed.
1853	Box Core A - good sample.
1906	Box Core B - washed out.
1920	Box Core B - good sample.

1931	Box Core C - good sample.
1943	Box Core D - good sample.
1956	Box Core E - good sample.
2010	Rigged trawl.
2039	Deployed trawl.
2045	Trawl on bottom.
2101	Trawl off bottom.
2109	Trawl on deck.
2115	Underway to St. 36.
2300	Arrived at St. 36.
2340	Began to deploy buoy.
2350	Squall changed wind direction causing buoy line to blow back around ship; buoy line retrieved. Sled launched. Will play out buoy once ship comes on correct heading to begin TV tow.

August 2, 1981

0118	TV/still camera system deployed; began TV tow.
0206	Ended TV tow.
0225	TV system on deck.
0245	Deployed Dredge A.
0252	Dredge A on bottom.
0310	Dredge off bottom.
0317	Dredge on surface.
0345	Launched Dredge B.
0356	Dredge on bottom.

0401	Dredge off bottom.
0407	Dredge on surface.
0423	Launched Dredge C.
0430	Dredge on bottom.
0434	Dredge off bottom.
0442	Dredge on surface.
0450	Heavy rain and wind. Rigged for trawl; came on line.
0550	Launched trawl.
0609	Trawl on bottom. Lost Loran C signal due to heavy thunderstorms. Cannot track trawl position.
0611	Loran C back on line.
0631	Began retrieving trawl.
0645	Trawl on surface.
0700	Underway for St. 37.
0829	Arrived at St. 37.
0849	Launched trawl; doing trawl first to save time on removing and adding extra 1/4" cable from air tugger.
0900	Trawl on bottom.
0920	Began retrieval of trawl.
0937	Trawl on surface. Rigged for box coring; deployed buoy.
1036	Box Core A - good sample.
1053	Box Core B - good sample.
1111	Box Core C - good sample.
1129	Box Core D - good sample.
1144	Box Core E - good sample.

1202	Box Core F - good sample.
1215	Rigged for TV tow.
1324	Deployed TV/still camera system buoy.
1325	Stood by due to squall activity.
1351	Continued sled deployment.
1435	Began TV tow.
1530	Ended TV tow.
1535	Underway to St. 38 with TV in tow to save recovery and deployment time.
1725	Arrived at St. 38.
1730	Began TV tow.
1824	Ended TV tow.
1855	TV sled and buoy on deck.
1925	Rigged for hydrocast.
1940	First bottle in water.
2018	Tripped hydrocast.
2039	Bottles on deck.
2100	Started Hydrolab profile.
2126	Ended Hydrolab profile.
2130	Hydrolab on surface.
2148	Start transmissometer profile.
2217	Ended transmissometer profile.
2231	Transmissometer on surface.
2257	Dredge A on bottom.
2302	Began retrieval of dredge.
2313	Dredge on surface.

2341	Dredge B on bottom.
2346	Began retrieval of dredge.
2354	Dredge on surface. Bottom sides of dredge torn; switched dredges.

August 3, 1981

0026	Launched Dredge C.
0036	Dredge on bottom.
0041	Began retrieval of dredge.
0049	Dredge on surface. Rigged trawl.
0119	Launched trawl.
0134	Trawl on bottom.
0149	Began retrieval of trawl.
0205	Trawl on surface.
0210	Underway for St. 39.
0730	Arrived at St. 39.
0815	Launched TV/still camera system sled and buoy.
0904	Began TV tow.
0907	TV sled hit bottom; sash weight pole and sash weight sheared off. Sled brought to surface.
0928	On surface repairs being made to pole; wooden dowel inserted into remaining pipe and sash weight attached.
1039	Launched repaired TV sled.
1113	Began TV tow.
1209	Ended TV tow.
1235	TV system on surface. Prepared for hydrocast.

1255	First bottle in water.
1324	Tripped hydrocast; only first 3 tripped.
1336	Tripped hydrocast; bottles 4 and 6 did not close.
1411	Third trip of hydrocast; bottles 4 and 6 - good.
1414	Last bottle on board.
1428	Hydrolab in water.
1433	Began Hydrolab profile.
1446	Ended Hydorlab profile.
1450	Hydrolab on surface.
1514	Began transmissometer profile.
1540	Ended transmissometer profile.
1550	Transmissometer on surface.
1612	Began photometer profile.
1623	Ended photometer profile. Rigged dredge and got in position.
1700	Dredge A on bottom.
1705	Began retrieval of dredge.
1708	Dredge fouled during retrieval; possibly a wreck since charts show one in this area and fathometer showed a corresponding trace. Backed down on dredge to clear it. Numerous attempts made to head in opposite direction and at other various headings to free dredge. Tried to snap weak link by slowly moving ship ahead. Believed cable itself must be fouled on bottom or possible wreck. Put cable in block halfway down boom for added strength - larger block and stronger securing chain. Will use additional ship's power to try to break weak link while moving back to north. Brake on tugger tightened up and put on. Crew removed from deck area. Dredge

	appeared to break loose several times (at least 5) and then fouled. Weak link did not appear to break.
1839	3/8" cable snapped at base of crane; lost approximately 700 feet of cable and dredge.
1850	Put old 3/8" cable back on tugger and re-rigged for dredge.
2000	Cable on tugger; rigged up weak-link for rock dredge. Did not want to risk only triangle dredge in area where rock dredge will probably suffice.
2045	Played out tugger cable with drogue attached to wind it tight on drum.
2150	Rock dredge ready for deployment.
2214	Began lowering rock dredge - drift tow.
2220	Dredge A on bottom.
2240	Dredge off bottom.
2243	Dredge on surface; approximately 15 rocks (2 - 8" diam.) collected.
2251	Dredge B on bottom.
2258	Dredge fouled; proceeded in opposite direction of tow to free dredge.
2259	Began retrieval of dredge.
2306	Dredge on surface; 5 rocks in dredge.
2319	Dredge C on bottom.
2325	Dredge hung up.
2326	Dredge off bottom.
2331	Dredge on surface.
2336	Proceeded to St. 29. Trawl not done at St. 39 due to rocky bottom with unpredictable relief and lack of visible macrofauna and flora on TV tow.

August 4, 1981

0110	Arrived St. 29.
0120	Began deploying TV/still camera system sled.
0218	Began TV tow.
0257	Ended TV tow.
0312	TV system on deck. Rigged for dredging.
0348	Dredge A on bottom.
0351	Dredge off bottom.
0414	Dredge B on bottom.
0416	Dredge off bottom.
0453	Dredge C on bottom.
0455	Dredge off bottom.
0520	Trawl on bottom.
0527	Trawl off bottom.
0548	Underway for St. 28.
0880	Arrived St. 28.
0905	Deployed TV/still camera system sled.
0919	Began TV tow.
1005	Ended TV tow.
1020	TV system on surface.
1030	Deployed buoy for water column sampling and box coring.
1042	Began hydrocast.
1113	Tripped hydorcast bottles.
1125	Bottles on surface.
1141	Launched Hydrolab.

1148	Began Hydrolab profile.
1206	Ended Hydrolab profile.
1210	Hydrolab on surface.
1219	Launched transmissometer.
1228	Started transmissometer profile.
1238	Ended transmissometer profile.
1242	Transmissometer on surface.
1301	Began photometer profile.
1333	Re-started photometer profile.
1341	Ended photometer profile.
1358	Box Core A - good sample.
1408	Box Core B - good sample.
1419	Box Core C - good sample.
1429	Box Core D - good sample.
1437	Box Core E - good sample.
1445	Rigged for trawl.
1514	Trawl on bottom.
1531	Began retrieval of trawl.
1538	Trawl on surface.
1600	End of St. 28. Underway for Miami.

August 5, 1981

1815	Arrived at Miami dock.
1830	Began demobilization of ship.
2230	Left Venture for Jupiter.

August 6, 1981

0030 Arrived in Jupiter.

Chief Scientist's Cruise Log

Winter 1982 Cruise (Year II Contract)

January 28 - February 16, 1982

Chief Scientist's Log

January 28, 1982	
0830	Left CSA office, Jupiter, Florida.
1330	Arrived at Bayboro Harbor, St. Petersburg, Florida. Mobilized for cruise.
1915	Left dock. Proceeded to soft bottom St. 31.
1919	Checked Loran C against Daymarker 2.
1949	Checked Loran C against Daymarker 1. Proceeded to St. 31.
January 29, 1982	
0622	Arrived at St. 31. Prepared for TV tow.
0804	TV system in water.
0902	Began TV tow.
0946	End of TV tow.
1010	TV system on board. Secured sled and rigged for box coring and hydrocasting.
1112	Station buoy deployed. Checked station depth with hydrocast wire.
1225	Deployed Van Dorn bottles on hydrowire.
1255	Hydrocast tripped.
1315	All bottles on surface. 72m and 82m bottles leaked.
1335	Tripped second hydrocast.
1340	Two bottles on surface. Ran lab analyses.
1428	Began Hydrolab profile.
1447	End of Hydrolab profile.
1454	Rigged transmissometer.
1517	Began transmissometer profile.
1544	Ended transmissometer profile.

1553	Rigged photometer.
1635	Began photometer profile.
1647	End of photometer profile.
1730	Rigged for box coring. Had problems with box corer lift cable. Shackles were too large to fit through block on H-frame. Checked possibilities of rigging up a larger block. Would require welding guides on another block.
1945	Decided to do trawl. Moved box corer out from under H-frame and rigged otter trawl.
2200	Launched otter trawl.
2223	Trawl on bottom (~700m behind ship).
2239	Trawl off bottom.
2252	Trawl on surface.

January 30, 1982

0025	Stood by for rigging of new block for box coring. Steamed with seas due to 6-8' swells.
0100	Experienced generator breakdown. Could not weld until it was repaired.
0545	Began to weld guides to block as generator was repaired.
1000	Rigged for box coring. Winds from SE at 35-40 knots, seas 8-10' (occasionally 12'). Had to steam with the seas in order to do any work on deck.
1200	Cable spliced and box corer rigged. Approximately 12 miles to NW of station. Could only make 3.5-4 knots on return to station-center due to high seas (10-12') (occasionally higher).
1449	Arrived on station. Deployed buoy. High seas and current caused it to be pulled under.
1521	Deployed second buoy.
1600	Launched box corer.

1622	Box core A on deck - good sample. Problems getting splice between box corer and cable through block. Broke off one of the guides welded onto block.
1634	Headed back to station center. Re-rigged to use air tugger as a means of controlling guide lines to box corer.
1841	Launched second box corer.
1915	Box corer on deck. Could not get splice through block without removing lift chain from the splice. Dangerous situation to be in with 10-12' seas.
1945	Decision made to delay box coring until block could be repaired. As soon as box corer was removed from H-frame and TV sled put in its place we would head for St. 5 for TV survey and trawling.
2120	Underway for St. 5.

January 31, 1982

0114	Arrived at St. 5. Prepared to launch TV sled.
0156	TV in water.
0219	Headed on line (30-35 knot winds - difficult to make turns).
0329	End of TV tow.
0355	TV on deck. Steamed into seas while we switched out TV and rigged for trawling.
0501	Underway back to station center.
0527	Deployed trawl.
0534	Trawl on bottom (setback $\sim$290m).
0556	Trawl off bottom.
0604	Trawl on surface. Rigged for box coring. Put up re-welded block.
0747	Turned to run with seas while we installed block.

0830	Steamed with, then against seas to maintain stable working conditions. Could not hold on station due to current to the NE while seas and wind were from the SE.
0903	Headed 190° to St. 5.
1006	Dropped buoy.
1010	Loran C went down.
1016	Loran C back on line.
1105	Box corer over side.
1107	Box corer back on deck - safety pin locked in.
1120	Box Core A - good sample.
1152	Box Core B - good sample.
1250	Box Core C - good sample.
1316	Box corer washed out.
1340	Box corer washed out.
1403	Box corer washed out.
1432	Box Core D - good sample.
1523	Box Core E - good sample.
1556	Station buoy recovered.
1558	Underway to St. 4. Decision was made not to return to St. 31 to do remaining 4 box cores. Estimated 2 hours to return to St. 31, 4 hours to get samples, and another 2 hours to return to St. 5 vicinity. This 8 hours could be better used in finishing 1 or 2 stations later in the cruise.
1850	Arrived at St. 4. Began with box coring to avoid changing systems again. Tried anchoring on station which should save time positioning vessel and avoid the prop wash effect on box core samples.
1919	Box corer in water.
1922	Box Core A - good sample.

1944	Box Core B - good sample.
2001	Box Core C - good sample.
2020	Box Core D - good sample.
2044	Box Core E - good sample.
2100	Prepared TV sled. Problem with ship's power supply to winches and H-frame. No power. Crew attempted to repair power supply.
2245	Power supply will not work - may be faulty fuel pump. Rigged for hydrocast.
2341	Hydrocast in water.
2346	Tripped hydrocast.

February 1, 1982

0020	All bottles on surface.
0104	Began transmissometer profile.
0116	Ended transmissometer profile.
0133	Began Hydrolab profile.
0147	Ended Hydrolab profile.
0200	Stood by for TV tow. Waited on power supply repair.
0346	Large capstan used for reeling in TV cable not functioning. H-frame stuck in vertical position.
0413	TV sled in water. Pulled anchor.
0444	Positioned ship for TV tow.
0449	Began TV tow.
0525	Ended TV tow.
0546	TV sled on deck. Changed heading to run with seas while moving TV sled with crane.
0630	Trawl deployed.
0634	Trawl on bottom (setback ∿236m).

0647	Trawl off bottom.
0659	Headed to St. 3 at half speed to allow work on deck.
0841	Arrived at St. 3. Rigged for TV tow.
0900	Delayed due to compressor breakdown.
0933	TV placed in H-frame.
0953	Came on station.
1002	TV in water.
1008	Transducer on fathometer worked loose. Fathometer out of order. Pulled to repair it. Would not be used during TV tow.
1021	TV deployed. Headed on line.
1038	Began TV tow.
1128	Ended G pattern. Due to a lack of live bottom found and photos we ran an additional diagonal.
1135	Began extra leg.
1143	Ended additional tow. TV cable had to be recovered by hand. Capstan out of order.
1200	TV on deck.
1315	Launched Dredge A ($\sim$ 150m setback).
1327	Dredge on bottom.
1334	Dredge off bottom.
1349	Launched Dredge B.
1357	Dredge on bottom.
1403	Dredge off bottom. Dredge was empty. Missed live bottom patch.
1413	Re-launched Dredge B.
1421	Dredge on bottom.
1425	Dredge off bottom.
1440	Launched Dredge C.

1445	Dredge on bottom.
1449	Dredge off bottom. Dredge was empty. Missed live bottom patch.
1505	Re-launched Dredge C.
1510	Dredge on bottom.
1514	Dredge off bottom.
1535	Launched trawl ($\sim$ 200m setback).
1545	Trawl on bottom.
1555	Trawl off bottom.
1602	Trawl on deck. Underway for St. 1.
1800	Upon removing film from camera it was discovered that film had jammed in camera. No data from previous stations. Ship was turned around and steamed to St. 3 to re-shoot still photos.
1855	Oil filters blew off crane. Could not use crane until repaired (no box coring until repaired).
2008	Changed out TV light due to a blown bulb.
2033	Arrived at St. 3. TV light inoperable. Compressor battery had a broken terminal - replaced it.
2155	TV light still out of order. Checked cable.
2300	Conclusion reached that TV connection bad and that cable may have flooded at breakout.
2310	Layed out backup TV cable - new cable had broken wire and also had flooded through breakout.

February 2, 1982

0215	Backup cable connected.
0221	TV in water at Station 3.
0230	Repaired fouled tugger control cables.

0258	Began TV tow.
0334	Ended TV tow.
0353	TV on deck. Headed to St. 1.
0731	Arrived at St. 1.
0759	TV in water.
0811	Began TV tow.
0849	Ended TV tow.
0858	TV on deck.
0917	Deployed station buoy.
0930	Rigged hydrocast.
0938	Tripped hydrocast.
0946	Bottles on deck. Reversing thermometer array on bottom bottle lost.
0956	Recast bottom bottle for temperature.
1004	Bottle on deck.
1010	Rigged transmissometer. Appeared to be a short circuit in connector - problem corrected.
1044	Began transmissometer profile.
1047	Ended transmissometer profile.
1100	Began Hydrolab profile.
1104	Ended Hydrolab profile.
1134	Began photometer profile.
1138	Ended photometer profile.
1144	Recovered station buoy.
1158	Launched Dredge A ($\sim$ 87m setback).
1201	Dredge on bottom.
1206	Dredge off bottom.
1220	Launched Dredge B.

1223	Dredge on bottom.
1226	Dredge off bottom.
1258	Launched Dredge C.
1300	Dredge on bottom.
1304	Dredge off bottom.
1327	Deployed trawl ($\sim$ 150m setback).
1330	Trawl on bottom.
1338	Trawl off bottom.
1350	Trawl on deck.
1410	Headed to St. 7.
1700	Arrived at St. 7.
1710	Rigged for TV tow.
1809	Deployed TV sled.
1815	Began TV tow.
1857	Ended TV tow.
1910	TV on deck. Heading to St. 6 to do TV tow. Would save rigging and derigging time.
1945	Arrived St. 6.
2010	Began TV tow.
2049	Ended TV tow.
2100	TV sled on deck. Broke down TV rigging. Changed over to box corer.
2246	Box Core A - good sample.
2312	Box Core B - good sample (partially washed out).
2337	Box corer washed out.

February 3, 1982

0006	Box corer washed out.

0030	Box Core C - good sample (partially washed out).
0052	Box Core D - good sample.
0113	Box corer did not trip.
0117	Box corer washed out.
0147	Box corer did not trip.
0150	Box corer washed out.
0156	Ended box coring. Pulley on spade arm bent at an angle. Because of this, spade was not pulled around square to sample box, preventing good samples from being taken. Useless to continue coring with it in this condition.
0255	Began hydrocast profile.
0306	Tripped hydrocast. Messengers fouled.
0329	Tripped recast bottles.
0335	All bottles on board.
0354	Began Hydrolab profile.
0358	Ended Hydrolab profile.
0359	Hydrolab on deck. No transmissometer profile done. Transmissometer breakout had shorted. Rewired and potted. Rigged for trawl.
0500	Trawl on bottom ($\sim$ 150m setback).
0515	Trawl off bottom.
0530	Headed for St. 7 to do trawl and dredges.
0610	Arrived St. 7.
0638	Dredge A on bottom ($\sim$ 90m setback).
0643	Dredge off bottom.
0715	Dredge B on bottom.
0720	Dredge off bottom.
0753	Dredge C on bottom.

0758	Dredge off bottom.
0849	Trawl on bottom ($\sim$ 150m setback).
0903	Trawl off bottom.
0925	Headed to St. 1 to redo still photos. Still camera jammed again at St. 1 and 3. Problem was film had been loaded on incorrect spools.
1214	Arrived at St. 1.
1230	TV in water.
1242	Began TV tow.
1257	Strobe did not fire - cable shorted out.
1310	TV on deck. Cable appeared to have flooded at wet side connector. Switched to second backup TV cable. Only have 300' so would be limited to tows on nearshore stations.
1620	Deployed TV system at St. 1.
1630	Began TV tow.
1653	Ended TV tow.
1700	Headed for St. 3. Squall line approaching. Rain and high winds - up to 60 mph gusts. Unable to work on deck - could not run at full speed.
2117	Arrived at St. 3.
2137	TV in water.
2145	Began TV tow.
2203	Ended TV tow. Strobe battery totally dead. H-frame hydraulic lines leaked fluid onto rear deck.
2225	TV on deck.
2244	Headed to St. 4. Would attempt to get still photos by drifting across block due to short length of cable. Put battery in strobe - only charged for 2 hours (needs 12-14 hours for a full charge).
2342	Arrived at St. 4. Checked drift.

2345	Compressor problems.
February 4, 1982	
0015	Launched TV sled.
0035	Began TV tow.
0050	Ended TV tow. Strobe did not fire. Battery had not been properly charged (which we suspected) and would not power strobe after 10 shots. Since we had no strobe batteries left with a charge and would not for 12 hours, we scratched still photos at St. 4 and 5 and proceeded to St. 31 for box coring.
0101	TV on deck.
0121	Underway to St. 31.
0446	2.6 miles from St. 31. Rigged box corer under H-frame.
0514	Box corer rigged. Moved to position.
0530	Another vessel in vicinity complicated our positioning. Compressor down.
0615	Compressor still down. Decided to use deck winch.
0630	Box Core B (partially washed out).
0704	Box Core C (partially washed out).
0739	Box Core D - Rigging above box corer jammed in block and broke off fairleads on recovery.
0825	Block has been cleared using ship's crane and fairlead must be rewelded. Compressor also being repaired. Solenoid appeared to be shorting out because of a bad diode.
1125	Rigged block for box coring.
1246	Box corer deployed.
1315	Box Core D (partially washed out).
1327	Box corer deployed.

1345	Box corer once again hung up inside large block - no sample.
1448	Re-assembled box coring system using smaller block.
1520	Winds increasing from NE up to 15 mph. Box corer deployed.
1527	Box corer on bottom.
1534	Problems getting splice in cable through the smaller block.
1543	Box corer on deck - washed out.
1550	Headed back to station center.
1603	Approximately 1 mile from location. Changed out box corer attachment assembly.
1615	Deployed box corer.
1642	Box corer on deck - no sample. Headed back to station center.
1657	Deployed box corer.
1720	Box Core E - good sample.
1724	Headed to St. 33.
2131	Moved into position at St. 33.
2136	Deployed box corer.
2152	Box corer on deck - no good.
2220	Deployed box corer.
2239	Box corer on deck - no good.
2245	Returned to center of block - had drifted 1.2 miles.
2258	Deployed box corer.
2313	Box corer on deck - no good (corer did not close properly).
2324	Headed back to station center.
2334	Deployed box corer.

2339	Box corer on bottom.
2347	Box corer on deck - no good.

February 5, 1982

0015	Loran C down.
0029	Loran C back up.
0103	Box Core A - good sample.
0156	Box corer on bottom - no good. Repairs made to box corer - ground away old welds which seemed to be binding arm on spade.
0303	Box corer sample lost on deck.
0335	Box Core B - good sample.
0406	Box Core C - good sample.
0446	Box Core D - good sample.
0516	Box Core E - good sample.
0532	Underway for St. 12.
0736	Arrived at St. 12.
0748	Box Core A - good sample.
0815	Box corer on deck - no good.
0842	Box Core B - good sample.
0904	Box Core C - good sample.
0924	Box corer on deck - no good - shell under blade prevented box from seating.
0937	Box Core D - good sample.
0959	Box Core E - good sample.
1010	Underway for St. 9.
1230	Arrived at St. 9. Rigged for TV tow. Needed to move box corer to starboard side of ship. Hooked up TV cable to sled.
1534	Began TV tow.
1607	Ended TV tow.

1620	TV sled on deck.
1640	Deployed hydrocast.
1653	Tripped hydrocast - last 2 bottles did not trip.
1709	Re-cast last 2 bottles.
1714	Tripped re-cast bottles.
1720	Last 2 bottles on deck.
1758	Began transmissometer profile.
1813	Ended transmissometer profile.
1820	Began Hydrolab profile.
1845	Ended Hydrolab profile.
1908	Launched Dredge A ($\sim$ 300m setback).
1919	Dredge on bottom.
1924	Dredge off bottom.
1935	Launched Dredge B.
1941	Dredge on bottom.
1946	Dredge off bottom.
2002	Launched Dredge C.
2009	Dredge on bottom.
2014	Dredge off bottom.
2045	Launched trawl ($\sim$ 350m setback).
2053	Trawl on bottom - towed with 1 engine.
2113	Trawl off bottom.
2122	Trawl on surface.
2130	Underway to St. 11.
2350	Arrived at St. 11.

February 6, 1982

0035	Began TV tow.

0113	Ended TV tow.
0115	Underway to St. 12 with TV sled in water to save retrieval and deployment time - station within 1 mile.
0136	Began TV tow at St. 12.
0210	Ended TV tow.
0225	TV on deck.
0250	Trawl on bottom (∿ 290m setback).
0306	Trawl off bottom.
0315	Arrived at St. 11. Rigged dredge.
0335	Dredge A on bottom (∿ 290m setback).
0342	Dredge off bottom.
0421	Dredge B on bottom.
0429	Dredge off bottom.
0459	Dredge C on bottom.
0508	Dredge off bottom. Rigged for trawl.
0542	Trawl on bottom (∿ 300m setback).
0557	Trawl off bottom.
0615	Underway to St. 33.
0818	Arrived at St. 33.
0830	Began hydrocast.
0917	Tripped hydrocast.
1000	Began transmissometer profile.
1020	Ended transmissometer profile.
1047	Began Hydrolab profile.
1057	Ended Hydrolab profile.
1120	Re-cast bottom bottle. Did not trip.
1146	Second re-cast - messengers hung up.

1235	Third re-cast - thermometer mercury did not separate.
1259	Fourth re-cast - good.
1330	Began photometer profile.
1338	Ended photometer profile.
1419	Launched trawl.
1426	Trawl on bottom ($\sim$ 700m setback).
1444	Trawl off bottom.
1456	Trawl on surface.
1503	Hydrocast surface bottle re-cast for reversing thermometer temperature reading.
1510	Object spotted in water one-half mile away.
1520	Turned out to be submerged orange 12' canoe. Contact with Coast Guard informed us of missing fishing boat in area which had carried some sort of orange dingy. They requested us to retrieve and hold it for them.
1540	Canoe on board. Underway to St. 32 for TV tow.
1555	Arrived at St. 32. Ship's power plant for winches and H-frame needed bleeding. 55-minute delay.
1650	Launched TV.
1754	Began TV tow.
1833	Ended TV tow.
1835	Underway to St. 33 with TV in water to save deployment time.
1932	Began TV tow at St. 33.
2013	Ended TV tow.
2040	Underway to St. 32 to complete dredges and trawl.
2105	Launched Dredge A ($\sim$ 490m setback).

2120	Dredge on bottom.
2124	Dredge off bottom.
2204	Dredge B on bottom.
2208	Dredge off bottom.
2246	Dredge C on bottom.
2251	Dredge off bottom.
2320	Launched trawl (∿ 600m setback).
2337	Trawl on bottom.
2342	Trawl off bottom.

February 7, 1982

0004	Trawl on surface.
0030	Underway to St. 35.
0340	Arrived at St. 35.
0418	Deployed TV sled. Winds 25 knots from NE. Blew us 2 miles south of station. Difficult to maintain headway into wind on return to station.
0523	Began TV tow - aborted. Could not maintain heading into seas at towing speed.
0533	Re-started TV tow.
0607	Ended TV tow.
0645	TV on board. Rigged extra cable for dredges and measured drift for water column profiles.
0745	Checked depth against fathometer with weighted cable.
0815	Deployed hydrocast - bottom 11 bottles.
0843	Tripped hydrocast.
0922	Deployed hydrocast - top 6 bottles.
0952	Tripped hydrocast.
1040	Began transmissometer profile.

1055	Ended transmissometer profile.
1130	Began Hydrolab and photometer profiles.
1142	Ended Hydrolab profile.
1148	Ended photometer profile.
1218	Positioned for dredges.
1254	Dredge A on bottom (∿ 450m setback).
1303	Dredge off bottom.
1356	Dredge B on bottom.
1405	Dredge off bottom.
1444	Dredge C on bottom.
1457	Dredge off bottom.
1528	Launched trawl (∿ 500m setback).
1547	Trawl on bottom.
1614	Trawl off bottom.
1632	Trawl on surface.
1650	Underway for St. 34.
1919	Arrived at St. 34.
1925	Deployed TV.
2021	Began TV tow.
2057	Ended TV tow.
2125	TV on surface.
2130	Prepared for box coring.
2234	Box corer washed out.
2259	Box Core A - good sample.
2335	Box Core B - good sample.

February 8, 1982

0004	Box corer washed out.
0027	Box corer washed out.

0051	Box corer washed out.
0125	Box corer washed out.
0130	Worked on box corer.
0159	Box Core C - partially washed out.
0227	Power plant overheated while box corer was still in water.
0307	Power plant back on line - brought up box corer - no sample.
0334	Box corer washed out. Broke tabs off of 1 side of box corer used to hold boxes in place. Decision made to do trawl and head to next station due to a lack of coring success.
0443	Launched trawl (∿ 535m setback).
0453	Trawl on bottom.
0512	Trawl off bottom.
0523	Trawl on surface.
0530	Underway to St. 23.
0920	Arrived at St. 23.
0925	TV in water.
0956	Began TV tow.
1043	Ended TV tow.
1146	Dredge A on bottom (∿ 230m setback).
1156	Dredge off bottom.
1221	Dredge B on bottom.
1229	Dredge off bottom.
1254	Dredge C on bottom.
1301	Dredge off bottom.
1330	Launched trawl.
1337	Trawl on bottom (∿300m setback).
1349	Trawl off bottom.

1400	Trawl on surface.
1405	Underway to St. 24 at idle speed due to welding on box corer.
1515	Arrived at St. 24.
1547	Launched TV sled.
1624	Began TV tow.
1702	Ended TV tow.
1715	TV on surface. Breakdown in cooling system of winch power plant.
1900	Power plant back on line.
1917	Box Core A - good sample.
1942	Box Core B - good sample.
2006	Box Core C - good sample.
2036	Box Core D - good sample.
2059	Box Core E - good sample.
2136	Launched trawl (∿300m setback).
2144	Trawl on bottom.
2154	Trawl off bottom - came up empty.
2218	Re-launch trawl.
2231	Trawl on bottom (∿450m setback).
2251	Trawl off bottom.
2302	Trawl on surface.
2306	Underway to St. 36.

February 9, 1982

0037	Arrived at St. 36.
0048	Deployed TV sled.
0113	Began TV tow.
0201	Ended TV tow.
0219	TV on deck; rigged for dredges.

0255	Dredge A on bottom ($\sim$ 440m setback).
0303	Dredge off bottom.
0329	Dredge B on bottom.
0335	Dredge off bottom.
0402	Dredge C on bottom.
0411	Dredge off bottom.
0437	Launched trawl.
0443	Trawl on bottom ($\sim$ 540m setback).
0455	Trawl off bottom.
0508	Trawl on surface.
0515	Discovered Benthos camera malfunction while changing out film. A short in battery pack had caused film to advance approximately 20 frames per exposure on previous station. No shots were taken at St. 36.
0745	Problem repaired.
0748	Launched TV sled.
0808	TV on bottom. Did a drift tow through live bottom area found in southeast corner of block (drift to NNW).
0825	Off bottom - end of Drift A.
0833	TV on bottom - began Drift B (same area).
0907	TV off bottom - end of Drift B.
0919	TV on surface.
0922	Underway to St. 37.
1025	Arrived at St. 37.
1026	Deployed TV.
1049	Began TV tow.
1127	Ended TV tow.
1140	TV sled on surface. Rigged for box coring.

1315	Box Core A - good sample.
1341	Box Core B - good sample.
1404	Box Core C - good sample.
1430	Box Core D - good sample.
1456	Box Core E - good sample.
1540	Launched trawl.
1602	Trawl on bottom (∿520m setback).
1622	Trawl off bottom.
1635	Trawl on surface.
1640	Underway to St. 38.
1745	Arrived at St. 38.
1800	Problem with strobe firing on its own without being activated.
1900	Problem corrected. Launched TV sled.
1919	Began TV tow.
1954	Ended TV tow.
2010	TV sled on surface. Rigged for hydrocast.
2100	Launched hydrocast.
2128	Tripped hydrocast - messenger hung up; bottom 7 bottles did not trip. Maneuvered ship back onto station.
2237	Recast hydrocast - bottom bottles tripped.
2308	Cast surface bottle with reversing thermometer.
2323	Began transmissometer profile.
2343	Ended transmissometer profile.

February 10, 1982

0024	Began Hydrolab profile.
0042	Ended Hydrolab profile.
0132	Dredge A on bottom.

0138	Dredge off bottom (∿ 490m setback).
0210	Dredge B on bottom.
0215	Dredge off bottom.
0225	Dredge B on deck. No sample.
0248	Re-deployed Dredge B on bottom.
0255	Dredge off bottom.
0337	Dredge C on bottom.
0344	Dredge off bottom.
0424	Trawl on bottom (∿ 555m setback).
0440	Trawl off bottom.
0455	Trawl on deck.
0500	Underway to St. 39.
0827	Arrived at St. 39.
0830	Deployed TV sled.
0856	TV deployed. Locked 1 propellor shaft in order to enable us to proceed at a slower speed. Bathymetry of this station has extreme variation (135m to 165m depth).
0912	Began TV tow.
1012	Ended TV tow.
1037	TV sled on deck and stowed away.
1111	Deployed hydrocast.
1148	Tripped hydrocast.
1238	Began photometer profile.
1251	Ended photometer profile. Rigged transmissometer.
1320	Began transmissometer profile.
1342	Ended transmissometer profile.
1411	Began Hydrolab profile.

1431	Ended Hydrolab profile.
1445	Rigged for dredging. Will use rock dredge due to extreme bottom relief. No trawl will be done due to same problem. Drift tow with a 2-to-1 wire-to-depth ratio.
1506	Rock Dredge A on bottom.
1525	Rock dredge off bottom.
1600	Had to move to avoid oncoming freighter.
1655	Rock Dredge B on bottom.
1708	Rock dredge off bottom.
1732	Rock Dredge C on bottom.
1747	Rock dredge off bottom - no sample.
1807	Re-cast of Dredge C.
1820	Dredge off bottom. Samples consisted of dead algal nodule-like rocks (2-8" in diameter) and a few sponges.
1831	Underway for St. 29.
1842	Rigged for TV.
1931	Arrived at St. 29. Strobe and still camera not working - checked out.
2030	Decision made to dredge and trawl first.
2100	Dredge A on bottom ($\sim$ 230m setback).
2110	Dredge off bottom.
2130	Dredge B on bottom.
2136	Dredge off bottom.
2205	Dredge C on bottom.
2211	Dredge off bottom.
2223	Rigged trawl.
2249	Trawl on bottom ($\sim$300m setback).
2303	Trawl off bottom.

2313	Trawl on deck. Still working on strobe and camera.
February 11, 1982	
0030	Decided to postpone TV tow and headed to St. 28. Would return to St. 29 when strobe repaired.
0300	Arrived at St. 28. Rigged for box coring.
0356	Box Core A - good sample.
0430	Box Core B - good sample.
0503	Box Core C - good sample.
0523	Box Core D - good sample.
0544	Box Core E - good sample.
0625	Launched hydrocast.
0648	Tripped hydrocast.
0700	All bottles on surface.
0716	Began transmissometer profile.
0723	Ended transmissometer profile.
0739	Began Hydrolab profile.
0746	Ended Hydrolab profile.
0828	Launched trawl (∿ 266m setback).
0837	Trawl on bottom.
0844	Trawl off bottom.
0915	Strobe and still camera still not working. Checked with Benthos. A circuit board burned out in unit. No replacement aboard ship. Ordered one from Benthos. Underway to St. 22.
1226	Arrived at St. 22.
1230	Began box coring. Hydraulic leak on power pack.
1249	Began photometer profile while repairs being made to power pack.

1311	Ended photometer profile.
1320	Box Core A - good sample.
1339	Box corer did not trip.
1355	Box Core B - good sample.
1416	Box Core C - good sample.
1438	Box Core D - good sample.
1458	Box Core E - good sample.
1530	Launched hydrocast.
1547	Tripped hydrocast.
1558	Bottles on surface.
1604	Began Hydrolab profile.
1611	Ended Hydrolab profile.
1619	Began transmissometer profile.
1624	Ended transmissometer profile.
1700	Launched trawl.
1705	Trawl on bottom (∿ 250m setback).
1717	Trawl off bottom.
1723	Trawl on surface.
1730	Underway for St. 21.
1820	Arrived at St. 21.
1828	Dredge A on bottom (∿ 210m setback).
1833	Dredge off bottom.
1852	Dredge B on bottom.
1855	Dredge off bottom.
1923	Dredge C on bottom.
1926	Dredge off bottom.
1948	Launched trawl.
1954	Trawl on bottom (∿ 250m setback).

2003	Trawl off bottom.
2012	Trawl on surface.
2045	Underway for St. 16.

February 12, 1982

0010	Arrived at St. 16.
0033	Box Core A - good sample.
0044	Box Core B - good sample.
0102	Box Core C - good sample.
0115	Box Core D - good sample.
0129	Box Core E - good sample.
0200	Deployed hydrocast.
0213	Tripped hydrocast.
0223	Bottles on surface.
0231	Began transmissometer profile.
0238	Ended transmissometer profile.
0301	Began Hydrolab profile.
0305	Ended Hydrolab profile.
0319	Deployed trawl.
0322	Trawl on bottom ($\sim$ 250m setback).
0337	Trawl off bottom.
0344	Trawl on surface.
0358	Recast Hydrolab - original readings were abnormally high.
0403	Began Hydrolab profile.
0411	Ended Hydrolab profile.
0415	Underway to St. 15.
0755	Arrived at St. 15.
0808	Dredge A on bottom ($\sim$ 115m setback).

0812	Dredge off bottom.
0829	Dredge B on bottom.
0833	Dredge off bottom.
0853	Dredge C on bottom.
0857	Dredge off bottom.
0919	Launched trawl (∿145m setback).
0922	Trawl on bottom.
0928	Trawl off bottom.
0934	Trawl on surface.
0936	Underway for St. 14.
1024	Arrived at St. 14.
1030	Box Core A - good sample.
1041	Box Core B - good sample.
1051	Box Core C - good sample.
1101	Box Core D - good sample.
1118	Box Core E - good sample.
1145	Launched trawl (∿110m setback).
1147	Trawl on bottom.
1155	Trawl off bottom.
1158	Trawl on surface.
1203	Underway for St. 13. Came into very heavy fog; had to slow to an idle due to traffic in area.
1328	Arrived at St. 13.
1335	Deployed hydrocast and photometer.
1336	Began photometer profile.
1340	Ended photometer profile.
1344	Tripped hydrocast.
1352	Began Hydrolab profile.

1358	Ended Hydrolab profile.
1401	Began transmissometer profile.
1410	Ended transmissometer profile. Rigged for dredges.
1449	Dredge A on bottom (∿ 75m setback).
1453	Dredge off bottom.
1511	Dredge B on bottom.
1515	Dredge off bottom.
1531	Dredge C on bottom.
1536	Dredge off bottom.
1553	Launched trawl (∿100m setback).
1558	Trawl on bottom.
1610	Trawl off bottom.
1620	Trawl on surface.
1645	Rendezvoused with Amber Lynn. Brought out new strobe unit, batteries, and supplies. New batteries were not charged so decision was made to go on to St. 20.
1730	Underway to St. 20.
2018	Arrived at St. 20.
2028	Box Core A - good sample.
2039	Box Core B - good sample.
2054	Box Core C - good sample.
2110	Box Core D - good sample.
2122	Box Core E - good sample.
2145	Launched hydrocast.
2155	Tripped hydrocast.
2216	Began Hydrolab profile.
2227	Ended Hydrolab profile.
2237	Began transmissometer profile.

2251	Ended transmissometer profile.
2315	Rigged for trawl.
2321	Trawl on bottom (∿ 100m setback).
2331	Trawl off bottom.
2340	Trawl on surface.

February 13, 1982

0028	Deployed TV sled.
0059	Began TV tow.
0134	Ended TV tow.
0144	TV on deck. Underway to St. 13. Slowed speed due to fog.
0443	Arrived at St. 13. Deployed TV sled.
0454	Began TV tow.
0508	Pulled TV sled. Strobe did not fire.
0615	TV back in water.
0621	Began TV tow.
0703	Ended TV tow.
0711	TV on deck. Underway to St. 14.
0224	Arrived at St. 14.
0830	TV in water.
0835	Began TV tow.
0916	Ended TV tow.
0922	TV on deck. Underway to St. 15.
1002	Arrived at St. 15.
1012	Began TV tow.
1055	Ended TV tow.
1100	TV on deck. Underway to St. 16. Squalls in area and seas picked up.
1447	Arrived at St. 16. Seas 6-8'.

1535	Began TV tow.
1611	Ended TV tow.
1615	TV on deck.
1622	Underway to St. 21.
1958	Arrived at St. 21.
2010	Deployed TV sled.
2038	Began TV tow.
2111	Ended TV tow.
2125	TV sled on deck.
2145	Underway for St. 22.
2240	Arrived at St. 22.
2245	Deployed TV sled.
2301	Began TV tow.
2333	Ended TV tow.
2345	TV sled on deck.

February 14, 1982

0035	Underway to St. 29.
0523	Arrived at St. 29.
0525	Deployed TV sled.
0550	Began TV tow.
0557	TV problems. Pulled TV sled from water.
0610	TV sled on deck. Connector to TV camera appeared to have leaked. (If it is the connector which is flooded it would be 6 hours repair time. If it is the cable itself it would take 24 hours to repair.)
1000	Wet side breakout was flooded. Decided to try hooking up TV through 300' of coaxial cable borrowed from ship. Worked aboard ship so would try it out doing a drift tow across St. 29.
1200	Launched TV.

1208	Began TV drift tow.
1235	Ended TV drift tow.
1242	TV sled on deck.
1255	Underway to St. 28.
1530	Arrived at St. 28.
1550	Launched TV sled.
1608	Began TV drift tow.
1641	Ended TV drift tow.
1657	TV sled on deck.
1700	Underway for St. 25.
2300	Arrived at St. 25.
2330	Deployed TV sled.
2334	Began TV drift tow.

February 15, 1982

0007	Ended TV drift tow.
0013	TV sled on deck.
0015	Prepared for box coring.
0049	Box corer washed out.
0101	Box Core A - good sample.
0118	Box Core B - good sample.
0133	Box Core C - good sample.
0149	Box Core D - good sample.
0202	Box Core E - good sample.
0222	Deployed hydrocast.
0230	Tripped hydrocast. Bottom bottle did not trip.
0239	Re-tripped bottom bottle.
0244	Began transmissometer profile.

0248	Ended transmissometer profile.
0257	Began Hydrolab profile.
0300	Ended Hydrolab profile.
0316	Trawl on bottom ($\sim$ 120m setback).
0326	Trawl off bottom.
0331	Trawl on deck.
0340	Underway for Ft. Lauderdale, Florida.
2011	Arrived at dock in Ft. Lauderdale.

February 16, 1982

0700	Began ship demobilization.
1800	Ended ship demobilization.

APPENDIX A.2

BOX CORE INFAUNAL, DREDGE AND TRAWL SAMPLE COLLECTION TIMES

Box Core Infaunal (BCI) Sample Collection Times

Table A-1. Southwest Florida Shelf Ecosystems Study - Year 1. Cruise III Box Core Infaunal (BCI) Sample Collection Times.

Station	Box Core Sample	Date	Time
2	BCI-b	11-14-80	0854
	BCI-c		0911
	BCI-d		0924
	BCI-e		0936
	BCI-f		0947
4	BCI-a	10-31-80	2100
	BCI-b	11-01-80	0449
	BCI-c		0717
	BCI-d		0856
	BCI-e		0939
8	BCI-a	11-05-80	0920
	BCI-b		0941
	BCI-c		0959
	BCI-d		1021
	BCI-e		1036
12	BCI-a	11-04-80	1404
	BCI-b		1423
	BCI-c		1442
	BCI-d		1500
	BCI-e		1518
14	BCI-b	11-08-80	1758
	BCI-c		1818
	BCI-d		1900
	BCI-e		1918
	BCI-f		1930
16	BCI-b	11-09-80	1117
	BCI-c		1143
	BCI-d	11-15-80	1129
	BCI-e		1147
	BCI-f		1201
18	BCI-a	11-15-80	2000
	BCI-b		2038
	BCI-c		2131
	BCI-d		2159
	BCI-e		2300
20	BCI-b	11-18-80	1408
	BCI-c		1438
	BCI-d		1449
	BCI-e		1504
	BCI-f		1514

Table A-1. Continued.

Station	Box Core Sample	Date	Time
22	BCI-b	11-17-80	1638
	BCI-c		1651
	BCI-d		1741
	BCI-e		1900
	BCI-f		1914
24	BCI-b	11-16-80	1151
	BCI-c		1206
	BCI-d		1221
	BCI-e		1234
	BCI-f		1250
25	BCI-b	11-19-80	0911
	BCI-c		0939
	BCI-d		1004
	BCI-e		1056
	BCI-f		1110
26	BCI-b	11-20-80	0331
	BCI-c		0346
	BCI-d		0403
	BCI-e		0424
	BCI-f		0440
28	BCI-b	11-20-80	1632
	BCI-c		1710
	BCI-d		1723
	BCI-e		1737
	BCI-f		1750

Table A-2. Southwest Florida Shelf Ecosystems Study - Year 1. Cruise IV Box Core Infaunal (BCI) Sample Collection Times.

Station	Box Core Sample	Date	Time
2	BCI-a	5-02-81	0825
	BCI-b		0833
	BCI-c		0857
	BCI-d		0904
	BCI-e		0912
4	BCI-a	5-01-81	1650
	BCI-b		1700
	BCI-c		1708
	BCI-d		1724
	BCI-e		1734
5	BCI-a	5-01-81	0855
	BCI-b		0915
	BCI-c		0922
	BCI-d		0940
	BCI-e		0951
6	BCI-a	5-02-81	2014
	BCI-b		2038
	BCI-c		2044
	BCI-d		2100
	BCI-e		2147
8	BCI-a	5-03-81	1842
	BCI-b		1853
	BCI-c		1911
	BCI-d		1920
	BCI-e		2000
12	BCI-a	4-30-81	1327
	BCI-b		1340
	BCI-c		1353
	BCI-d		1402
	BCI-e		1415
14	BCI-a	4-28-81	0842
	BCI-b		0855
	BCI-c		0926
	BCI-d		1026
	BCI-e		1040
16	BCI-a	4-29-81	0019
	BCI-b		0028
	BCI-c		0041
	BCI-d		0048
	BCI-e		0100

Table A-2. Continued.

Station	Box Core Sample	Date	Time
18	BCI-a	4-29-81	1646
	BCI-b		1658
	BCI-c		1711
	BCI-d		1725
	BCI-e		1737
20	BCI-a	4-27-81	1249
	BCI-b		1258
	BCI-c		1308
	BCI-d		1323
	BCI-e		1332
22	BCI-a	4-26-81	1552
	BCI-b		1610
	BCI-c		1625
	BCI-d		1638
	BCI-e		1652
24	BCI-a	4-25-81	2035
	BCI-b		2053
	BCI-c		2132
	BCI-d		2152
	BCI-e		2209
25	BCI-a	4-23-81	0615
	BCI-b		0624
	BCI-c		0646
	BCI-d		0701
	BCI-e		0721
26	BCI-a	4-23-81	1624
	BCI-b		1640
	BCI-c		1701
	BCI-d		1713
	BCI-e		1735
28	BCI-a	4-24-81	1320
	BCI-b		1328
	BCI-c		1357
	BCI-d		1411
	BCI-e		1425

Table A-3. Southwest Florida Shelf Ecosystems Study - Year 2. Cruise II Box Core Infaunal (BCI) Sample Collection Times.

Station	Box Core Sample	Date	Time
4	BCI-a	7-21-81	1547
	BCI-b		1642
	BCI-c		1710
	BCI-d		1729
	BCI-e		1746
5	BCI-a	7-22-81	2112
	BCI-b		2124
	BCI-c		2202
	BCI-d		2235
	BCI-e		2308
6	BCI-a	7-28-81	0541
	BCI-b		0612
	BCI-c		0649
	BCI-d		0701
	BCI-e		0711
12	BCI-a	7-24-81	1631
	BCI-b		1650
	BCI-c		1704
	BCI-d		1725
	BCI-e		1755
14	BCI-a	7-28-81	1758
	BCI-b		1804
	BCI-c		1813
	BCI-d		1927
	BCI-e		1936
16	BCI-a	7-27-81	2243
	BCI-b		2254
	BCI-c		2306
	BCI-d		2336
	BCI-e		2348
20	BCI-a	7-29-81	0834
	BCI-b		0847
	BCI-c		0924
	BCI-d		0949
	BCI-e		1022
22	BCI-a	8-01-81	0319
	BCI-b		0328
	BCI-c		0341
	BCI-d		0358
	BCI-e		0406

Table A-3. Continued.

Station	Box Core Sample	Date	Time
24	BCI-a	8-01-81	1853
	BCI-b		1920
	BCI-c		1931
	BCI-d		1943
	BCI-e		1956
25	BCI-a	7-31-81	0859
	BCI-b		0912
	BCI-c		0920
	BCI-d		0930
	BCI-e		0940
28	BCI-a	8-04-81	1358
	BCI-b		1408
	BCI-c		1419
	BCI-d		1429
	BCI-e		1437
31	BCI-a	7-17-81	0835
	BCI-b		0917
	BCI-c	7-23-81	0157
	BCI-d		0220
	BCI-e		0250
33	BCI-a	7-25-81	0121
	BCI-b		0152
	BCI-c		0215
	BCI-d		0240
	BCI-e		0355
34	BCI-a	7-27-81	0312
	BCI-b		0418
	BCI-c		0817
	BCI-d		0835
	BCI-e		0856
37	BCI-a	8-02-81	1036
	BCI-b		1053
	BCI-c		1111
	BCI-d		1129
	BCI-e		1144

Table A-4. Southwest Florida Shelf Ecosystems Study - Year 2. Cruise III Box Core Infaunal (BCI) Sample Collection Times.

Station	Box Core Sample	Date	Time
4	BCI-a	1-31-82	1922
	BCI-b		1944
	BCI-c		2001
	BCI-d		2020
	BCI-e		2044
5	BCI-a	1-31-82	1120
	BCI-b		1148
	BCI-c		1245
	BCI-d		1311
	BCI-e		1519
6	BCI-a	2-02-82	2246
	BCI-b		2312
	BCI-c	2-03-82	0030
	BCI-d		0052
12	BCI-a	3-05-82	0748
	BCI-b		0842
	BCI-c		0904
	BCI-d		0937
	BCI-e		0959
14	BCI-a	2-12-82	1030
	BCI-b		1041
	BCI-c		1051
	BCI-d		1101
	BCI-e		1118
16	BCI-a	2-12-82	0033
	BCI-b		0049
	BCI-c		0102
	BCI-d		0115
	BCI-e		0129
20	BCI-a	2-12-82	2028
	BCI-b		2039
	BCI-c		2054
	BCI-d		2110
	BCI-e		2122
22	BCI-a	2-11-82	1320
	BCI-b		1339
	BCI-c		1416
	BCI-d		1438
	BCI-e		1458

Table A-4. Continued.

Station	Box Core Sample	Date	Time
24	BCI-a	2-08-82	1917
	BCI-b		1942
	BCI-c		2006
	BCI-d		2036
	BCI-e		2059
25	BCI-a	2-15-82	0101
	BCI-b		0118
	BCI-c		0133
	BCI-d		0149
	BCI-e		0202
28	BCI-a	2-11-82	0356
	BCI-b		0430
	BCI-c		0503
	BCI-d		0523
	BCI-e		0544
31	BCI-a	1-29-82	1622
	BCI-b	2-04-82	0630
	BCI-c		0704
	BCI-d		1256
	BCI-e		1707
33	BCI-a	2-05-82	0103
	BCI-b		0335
	BCI-c		0406
	BCI-d		0446
	BCI-e		0516
34	BCI-a	2-07-82	2259
	BCI-b		2335
	BCI-c	2-08-82	0159
37	BCI-a	2-09-82	1315
	BCI-b		1341
	BCI-c		1404
	BCI-d		1430
	BCI-e		1455

Dredge and Trawl Sample Collection Times

Table B-1. Southwest Florida Shelf Ecosystems Study - Year 1. Cruise III Dredge and Trawl Sample Collection Times.*

Station	Trawl/ Dredge	Date	Time
1	OTH	10-28-80	0624
1	TDS-a	10-28-80	0059
1	TDS-b	10-28-80	0211
1	TDS-c	10-28-80	0324
2	OTS	10-27-80	1813
3	OTH-a	10-29-80	1049
3	OTH-b	10-29-80	1326
3	TDS-a	10-29-80	0826
3	TDS-b	10-29-80	0911
3	TDS-c	10-29-80	0954
4	OTS	10-29-80	0100
5	OTS	11-02-80	1507
6	OTS	11-07-80	0403
7	OTH	11-06-80	1204
7	TDS-a	11-06-80	0932
7	TDS-b	11-06-80	1013
7	TDS-c	11-06-80	1046
8	OTS	11-05-80	1827
9	OTH	11-05-80	0601
9	TDS-a	11-05-80	0358
9	TDS-b	11-05-80	0437
9	TDS-c	11-05-80	0512
10	OTH	11-03-80	1408
10	TDS-a	11-03-80	0452
10	TDS-b	11-03-80	0549
10	TDS-c	11-03-80	0634
10	TDS-d	11-03-80	0722
11	OTH	11-04-80	0804
11	TDS-a	11-04-80	0941
11	TDS-b	11-04-80	1051
11	TDS-c	11-04-80	1152
12	OTS	11-04-80	0307
13	OTH	11-08-80	0911
13	TDS-a	11-08-80	0721
13	TDS-b	11-08-80	0752
13	TDS-c	11-08-80	0823
14	OTS	11-08-80	1611
15	OTH	11-09-80	0310
15	TDS-a	11-09-80	0026
15	TDS-b	11-09-80	0212
15	TDS-c	11-09-80	0235

* OTH = Otter Trawl Hard Bottom
OTS = Otter Trawl Soft Bottom
TDS = Triangle Dredge Sample

Table B-1. Continued.

Station	Trawl/ Dredge	Date	Time
16	OTS	11-09-80	1619
17	OTH	11-15-80	0903
17	TDS-a	11-15-80	0714
17	TDS-b	11-15-80	0747
17	TDS-c	11-15-80	0820
18	OTS	11-16-80	0506
19	OTH	11-18-80	2254
19	TDS-a	11-18-80	2111
19	TDS-b	11-18-80	2132
19	TDS-c	11-18-80	2204
20	OTS	11-18-80	2030
21	TDS-a	11-18-80	0421
21	TDS-b	11-18-80	0451
21	TDS-c	11-18-80	0518
22	OTS	11-17-80	2024
23	OTH	11-17-80	0309
23	TDS-a	11-17-80	0104
23	TDS-b	11-17-80	0130
23	TDS-c	11-17-80	0202
24	OTS	11-16-80	1627
25	OTS	11-19-80	1217
26	OTS	11-20-80	0217
27	OTH	11-20-80	1336
27	TDS-a	11-20-80	1134
27	TDS-b	11-20-80	1211
27	TDS-c	11-20-80	1246
28	OTS	11-20-80	2106
29	OTH	11-21-80	0824
29	TDS-a	11-21-80	0644
29	TDS-b	11-21-80	0712
29	TDS-c	11-21-80	0744
30	OTH	11-21-80	2056
30	TDS-a	11-21-80	1825
30	TDS-b	11-21-80	1914
30	TDS-c	11-21-80	1958

Table B-2. Southwest Florida Shelf Ecosystems Study - Year 1. Cruise IV Dredge and Trawl Sample Collection Times.*

Station	Trawl/ Dredge	Date	Time
1	OTH	5-02-81	1522
1	TDS-a	5-02-81	1351
1	TDS-b	5-02-81	1417
1	TDS-c	5-02-81	1444
2	OTS	5-02-81	0955
3	OTH	5-02-81	0008
3	TDS-a	5-01-81	2237
3	TDS-b	5-01-81	2304
3	TDS-c	5-01-81	2329
4	OTS	5-01-81	1813
5	OTS	5-01-81	0723
6	OTS	5-03-81	0229
7	OTH	5-03-81	1034
7	TDS-a	5-03-81	0831
7	TDS-b	5-03-81	0848
7	TDS-c	5-03-81	0928
8	OTS	5-03-81	2054
9	OTH	5-04-81	0337
9	TDS-a	5-04-81	0205
9	TDS-b	5-04-81	0228
9	TDS-c	5-04-81	0301
10	OTH	4-30-81	2154
10	TDS-a	4-30-81	2025
10	TDS-b	4-30-81	2059
10	TDS-c	4-30-81	2120
11	OTH	4-30-81	0919
11	TDS-a	4-30-81	0648
11	TDS-b	4-30-81	0743
11	TDS-c	4-30-81	0833
12	OTS	4-30-81	1455
13	OTH	4-28-81	0130
13	TDS-a	4-28-81	0028
13	TDS-b	4-28-81	0045
13	TDS-c	4-28-81	0103
14	OTS	4-28-81	0723
15	OTH	4-28-81	1603
15	TDS-a	4-28-81	1442
15	TDS-b	4-28-81	1512
15	TDS-c	4-28-81	1534
16	OTS	4-29-81	0135

* OTH = Otter Trawl Hard Bottom
OTS = Otter Trawl Soft Bottom
TDS = Triangle Dredge Sample

Table B-2. Continued.

Station	Trawl/ Dredge	Date	Time
17	OTH	4-29-81	0948
17	TDS-a	4-29-81	0759
17	TDS-b	4-29-81	0832
17	TDS-c	4-29-81	0907
18	OTS	4-29-81	1809
19	OTH	4-27-81	1749
19	TDS-a	4-27-81	1625
19	TDS-b	4-27-81	1652
19	TDS-c	4-27-81	1725
20	OTS	4-27-81	1449
21	OTH	4-26-81	2356
21	TDS-a	4-26-81	2209
21	TDS-b	4-26-81	2238
21	TDS-c	4-26-81	2316
22	OTS	4-26-81	1733
23	OTH	4-26-81	0601
23	TDS-a	4-26-81	0355
23	TDS-b	4-26-81	0437
23	TDS-c	4-26-81	0508
24	OTS	4-25-81	2248
25	OTS	4-23-81	0802
26	OTS	4-23-81	2046
27	OTH	4-24-81	0545
27	TDS-a	4-24-81	0320
27	TDS-b	4-24-81	0401
27	TDS-c	4-24-81	0437
28	OTS	4-24-81	1152
29	OTH	4-24-81	2350
29	TDS-a	4-24-81	2230
29	TDS-b	4-24-81	2250
29	TDS-c	4-24-81	2321
30	OTH-a	4-25-81	0919
30	OTH-b	4-25-81	1110
30	TDS-a	4-25-81	0719
30	TDS-b	4-25-81	0759
30	TDS-c	4-25-81	0837

Table B-3. Southwest Florida Shelf Ecosystems Study - Year 2. Cruise II Dredge and Trawl Sample Collection Times.*

Station	Trawl/ Dredge	Date	Time
1	OTH	7-18-81	1804
1	TDS-a	7-18-81	1647
1	TDS-b	7-18-81	1705
1	TDS-c	7-18-81	1736
3	OTH	7-18-81	0929
3	TDS-a	7-18-81	0610
3	TDS-b	7-18-81	0633
3	TDS-c	7-18-81	0813
4	OTS	7-18-81	0242
5	OTS	7-17-81	1925
6	OTS	7-19-81	0058
7	OTH	7-19-81	0606
7	TDS-a	7-19-81	0357
7	TDS-b	7-19-81	0431
7	TDS-c	7-19-81	0515
9	OTH	7-19-81	1650
9	TDS-a	7-19-81	1514
9	TDS-b	7-19-81	1535
9	TDS-c	7-19-81	1610
11	OTH	7-24-81	2111
11	TDS-a	7-24-81	1858
11	TDS-b	7-24-81	1922
11	TDS-c	7-24-81	1955
12	OTS	7-19-81	2314
13	OTH	7-29-81	0145
13	TDS-a	7-29-81	0006
13	TDS-b	7-29-81	0025
13	TDS-c	7-29-81	0057
14	OTS	7-28-81	2010
15	OTH	7-28-81	1452
15	TDS-a	7-28-81	1244
15	TDS-b	7-28-81	1312
15	TDS-c	7-28-81	1359
16	OTS	7-27-81	2105
20	OTS	7-29-81	1234
21	OTH	7-31-81	2027
21	TDS-a	7-31-81	1858
21	TDS-b	7-31-81	1926
21	TDS-c	7-31-81	1954
22	OTS	8-01-81	0446

* OTH = Otter Trawl Hard Bottom
OTS = Otter Trawl Soft Bottom
TDS = Triangle Dredge Sample

Table B-3. Continued.

Station	Trawl/ Dredge	Date	Time
23	OTH	8-01-81	1352
23	TDS-a	8-01-81	1126
23	TDS-b	8-01-81	1207
23	TDS-c	8-01-81	1232
24	OTS	8-01-81	2039
25	OTS	7-31-81	1013
28	OTS	8-04-81	1514
29	OTH	8-04-81	0520
29	TDS-a	8-04-81	0348
29	TDS-b	8-04-81	0414
29	TDS-c	8-04-81	0453
31	OTS	7-17-81	0442
32	OTH	7-25-81	2200
32	TDS-a	7-25-81	1845
32	TDS-b	7-25-81	1918
32	TDS-c	7-25-81	1951
33	OTS	7-25-81	2331
34	OTS	7-27-81	1050
35	OTH	7-26-81	1842
35	TDS-a	7-26-81	1533
35	TDS-b	7-26-81	1610
35	TDS-c	7-26-81	1654
36	OTH	8-02-81	0609
36	TDS-a	8-02-81	0253
36	TDS-b	8-02-81	0356
36	TDS-c	8-02-81	0430
37	OTS	8-02-81	0900
38	OTH	8-03-81	0134
38	TDS-a	8-02-81	2257
38	TDS-b	8-02-81	2341
38	TDS-c	8-03-81	0036
39	Rock Dredge a	8-03-81	2220
39	Rock Dredge b	8-03-81	2251
39	Rock Dredge c	8-03-81	2319

Table B-4. Southwest Florida Shelf Ecosystems Study - Year 2. Cruise III Dredge and Trawl Sample Collection Times.*

Station	Trawl/ Dredge	Date	Time
1	OTH	2-02-82	1330
1	TDS-a	2-02-82	1201
1	TDS-b	2-02-82	1223
1	TDS-c	2-02-82	1300
3	OTH	2-01-82	1545
3	TDS-a	2-01-82	1327
3	TDS-b	2-01-82	1421
3	TDS-c	2-01-82	1510
4	OTS	2-01-82	0634
5	OTS	1-31-82	0534
6	OTS	2-03-82	0500
7	OTH	2-03-82	0849
7	TDS-a	2-03-82	0638
7	TDS-b	2-03-82	0715
7	TDS-c	2-03-82	0753
9	OTH	2-05-82	2053
9	TDS-a	2-05-82	1919
9	TDS-b	2-05-82	1941
9	TDS-c	2-05-82	2009
11	OTH	2-06-82	0542
11	TDS-a	2-06-82	0335
11	TDS-b	2-06-82	0421
11	TDS-c	2-06-82	0459
12	OTS	2-06-82	0250
13	OTH	2-12-82	1558
13	TDS-a	2-12-82	1449
13	TDS-b	2-12-82	1511
13	TDS-c	2-12-82	1531
14	OTS	2-12-82	1147
15	OTH	2-12-82	0922
15	TDS-a	2-12-82	0808
15	TDS-b	2-12-82	0829
15	TDS-c	2-12-82	0853
16	OTS	2-12-82	0322
20	OTS	2-12-82	2321
21	OTH	2-11-82	1954
21	TDS-a	2-11-82	1828
21	TDS-b	2-11-82	1852
21	TDS-c	2-11-82	1923
22	OTS	2-11-82	1705

* OTH = Otter Trawl Hard Bottom
OTS = Otter Trawl Soft Bottom
TDS = Triangle Dredge Sample

Table B-4. Continued.

Station	Trawl/ Dredge	Date	Time
23	OTH	2-08-82	1337
23	TDS-a	2-08-82	1146
23	TDS-b	2-08-82	1221
23	TDS-c	2-08-82	1254
24	OTS	2-08-82	2231
25	OTS	2-15-82	0316
28	OTS	2-11-82	0837
29	OTH	2-10-82	2249
29	TDS-a	2-10-82	2100
29	TDS-b	2-10-82	2130
29	TDS-c	2-10-82	2205
31	OTS	1-29-82	2223
32	OTH	2-06-82	2320
32	TDS-a	2-06-82	2120
32	TDS-b	2-06-82	2204
32	TDS-c	2-06-82	2246
33	OTS	2-06-82	1426
34	OTS	2-08-82	0453
35	OTH	2-07-82	1547
35	TDS-a	2-07-82	1254
35	TDS-b	2-07-82	1356
35	TDS-c	2-07-82	1444
36	OTH	2-09-82	0443
36	TDS-a	2-09-82	0255
36	TDS-b	2-09-82	0329
36	TDS-c	2-09-82	0402
37	OTS	2-09-82	1602
38	OTH	2-10-82	0424
38	TDS-a	2-10-82	0132
38	TDS-b	2-10-82	0248
38	TDS-c	2-10-82	0337
39	Rock Dredge a	2-10-82	1506
39	Rock Dredge b	2-10-82	1655
39	Rock Dredge c	2-10-82	1807

APPENDIX A.3

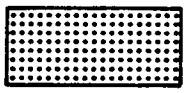
SUMMER 1981 AND WINTER 1982 STATION TRACT PLOTS SHOWING HABITAT TYPES AND ASSOCIATED BIOLOGICAL DATA RECORDED FROM UNDERWATER TELEVISION AND STILL CAMERA OBSERVATIONS

NOTE:

Tract plots prepared for the Fall 1980 and Spring 1981 Cruises (Year I Contract) were presented previously in Appendix B of the Year I Final Report (Woodward-Clyde Consultants and Continental Shelf Associates, Inc., 1983) and are not included here.

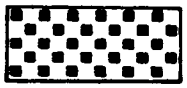
"Cruise II" and "Cruise III" designations on figure titles represent the Summer 1981 and Winter 1982 Cruises, respectively.

STATION TRACT PLOTS
LEGEND

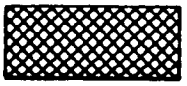


SAND BOTTOM / SOFT BOTTOM.
MACROBIOTA SCARCE OR ABSENT.

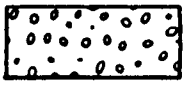
THIN SAND OVER HARD SUBSTRATE; SUSPECTED HARD BOTTOM. MACROBIOTA PRESENT- LIVE BOTTOM.



CORALLINE ALGAL NODULE LAYER OVER SAND.
MACROBIOTA PRESENT- LIVE BOTTOM.



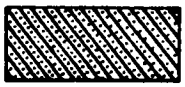
ALGAL NODULE PAVEMENT WITH AGARICIA ACCUMULATIONS. MACROBIOTA PRESENT- LIVE BOTTOM.



COARSE RUBBLE (DEAD) WITH ATTACHED CRINOIDS.

ROCK OUTCROPS / HARD BOTTOM. MACROBIOTA PRESENT- LIVE BOTTOM.

SAND WAVES.
LINES PARALLEL RIDGE CRESTS.



SAND WAVES. LINES PARALLEL RIDGE CRESTS; BIOTA OR DEBRIS IN WAVE TROUGHS.

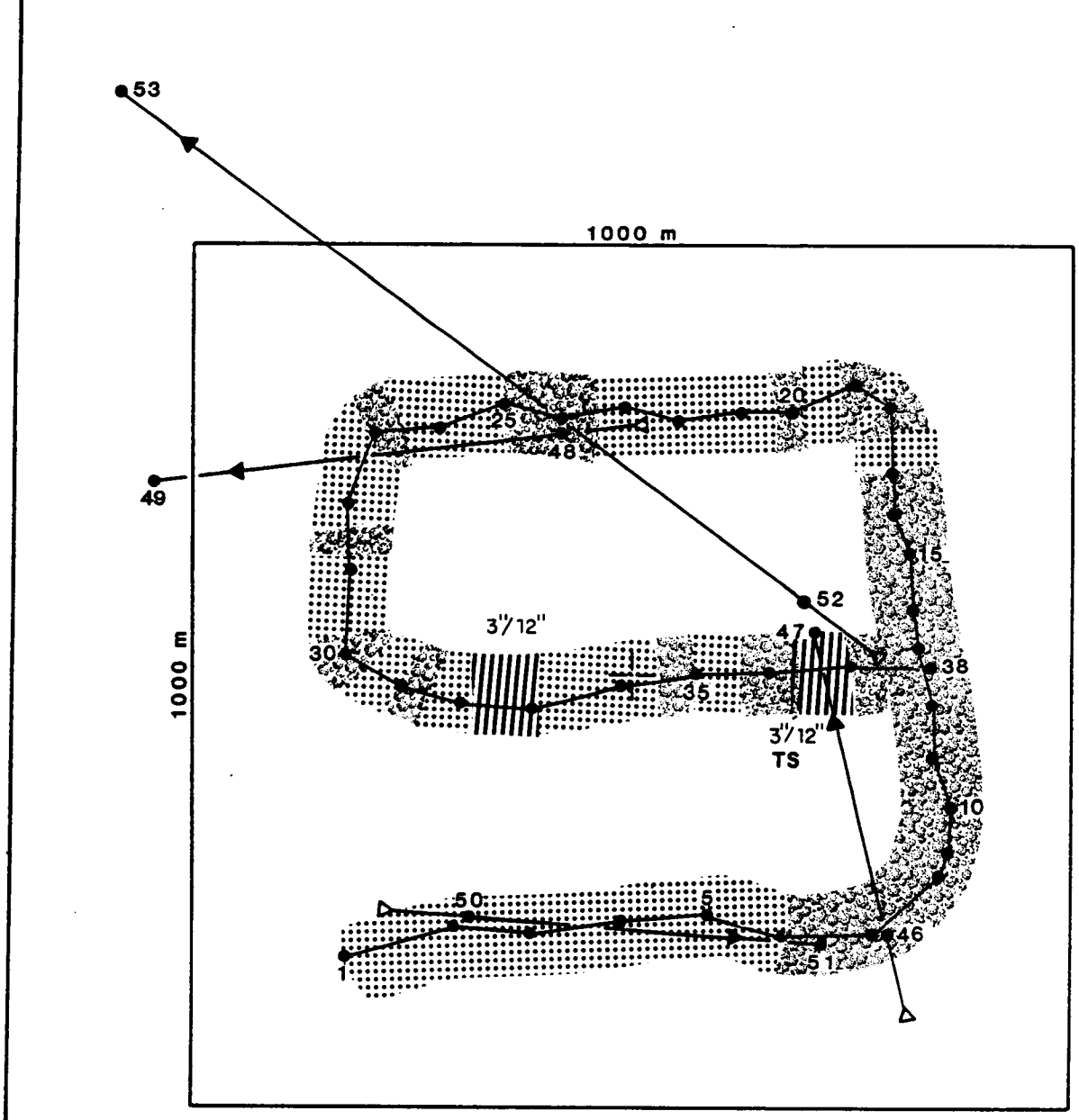
6"/18" SAND WAVE HEIGHT / WAVE LENGTH

BT BIOTURBATION

TS THIN SAND OVER HARD SUBSTRATE SAND WAVE AREAS (UNLESS DESIGNATED "TS", ALL SAND WAVES OCCUR IN SAND BOTTOM / SOFT BOTTOM SUBSTRATE).

Summer 1981 Cruise (Year II Contract)

Tract Plots

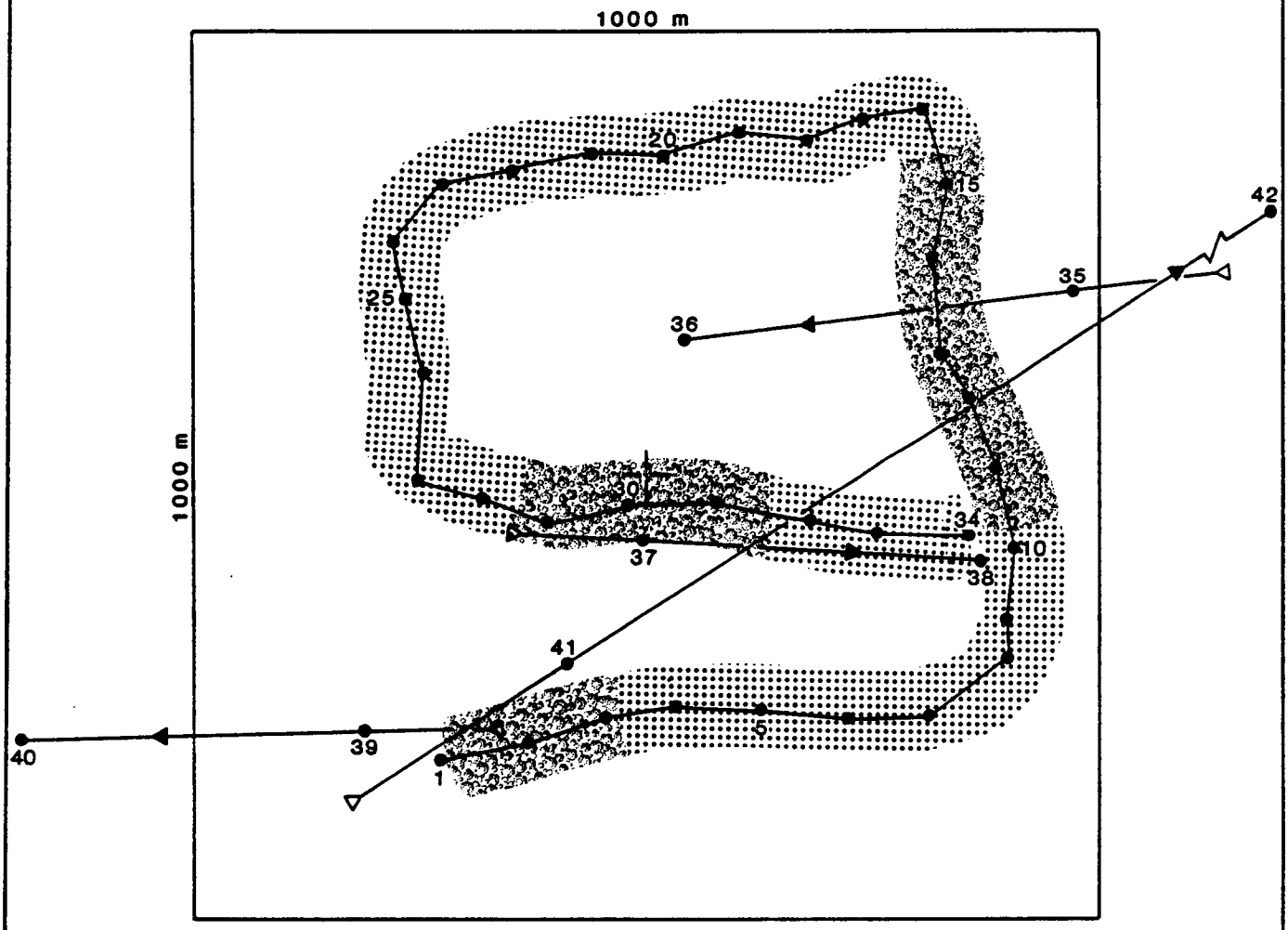


LEGEND

△	SAMPLING GEAR ON BOTTOM
▲	SAMPLING GEAR OFF BOTTOM
FIXMARK	EVENT
1-38	TV/STILL CAMERA LINE
46/47	DREDGE A
48/49	DREDGE B
50/51	DREDGE C
52/53	TRAWL

LAT. 26°45.77'
LONG. 82°43.11'

STATION 1 - TELEVISION/STILL CAMERA DATA AND BENTHIC SAMPLE LOCATIONS
YEAR II - CRUISE II

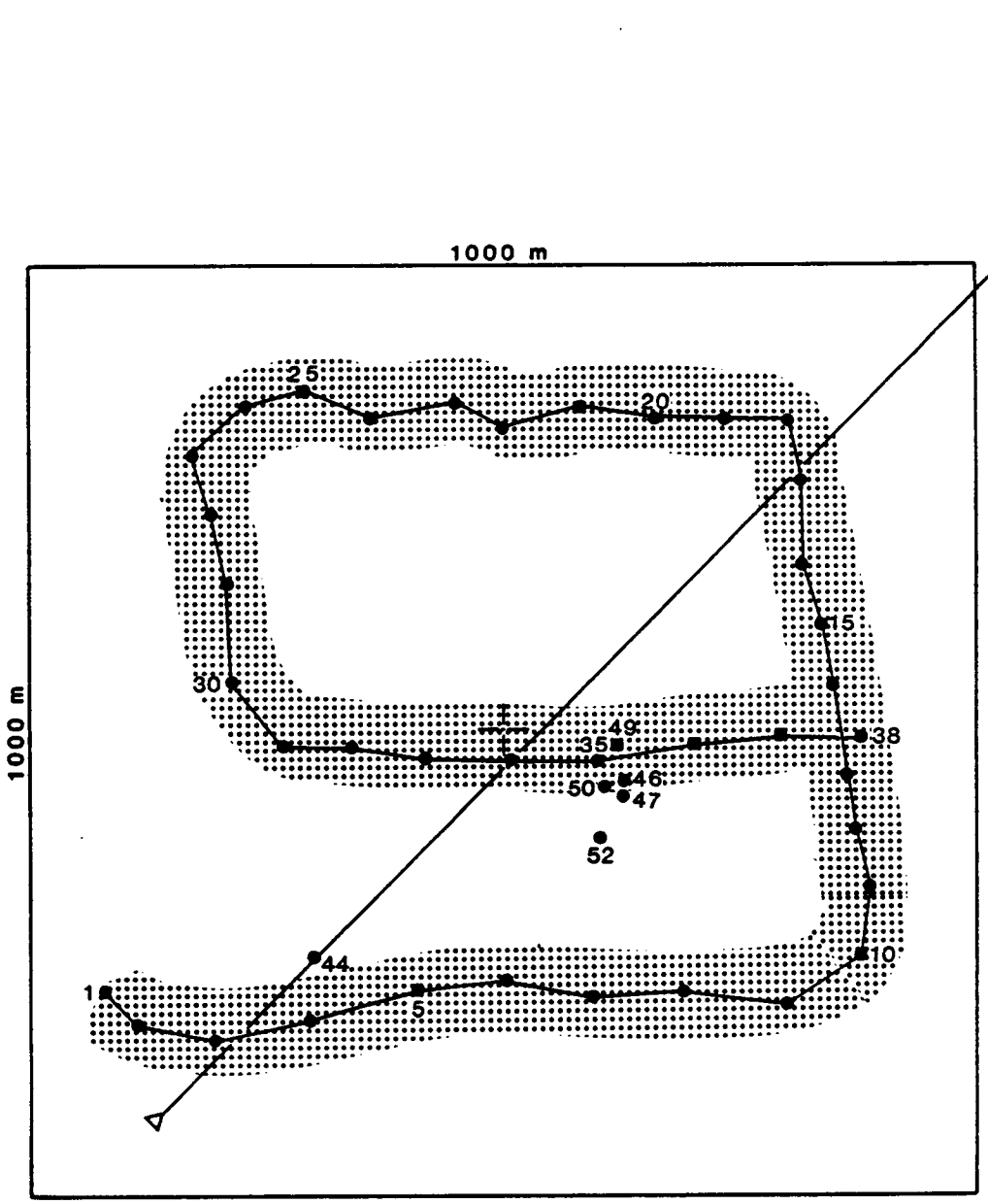


LEGEND

△	SAMPLING GEAR ON BOTTOM
▲	SAMPLING GEAR OFF BOTTOM
FIXMARK	EVENT
1-34	TV/STILL CAMERA LINE
35/36	DREDGE A
37/38	DREDGE B
39/40	DREDGE C
41/42	TRAWL

LAT. 26°45.86'
LONG. 83°21.44'

STATION 3 - TELEVISION/STILL CAMERA DATA AND BENTHIC SAMPLE LOCATIONS
YEAR II - CRUISE II

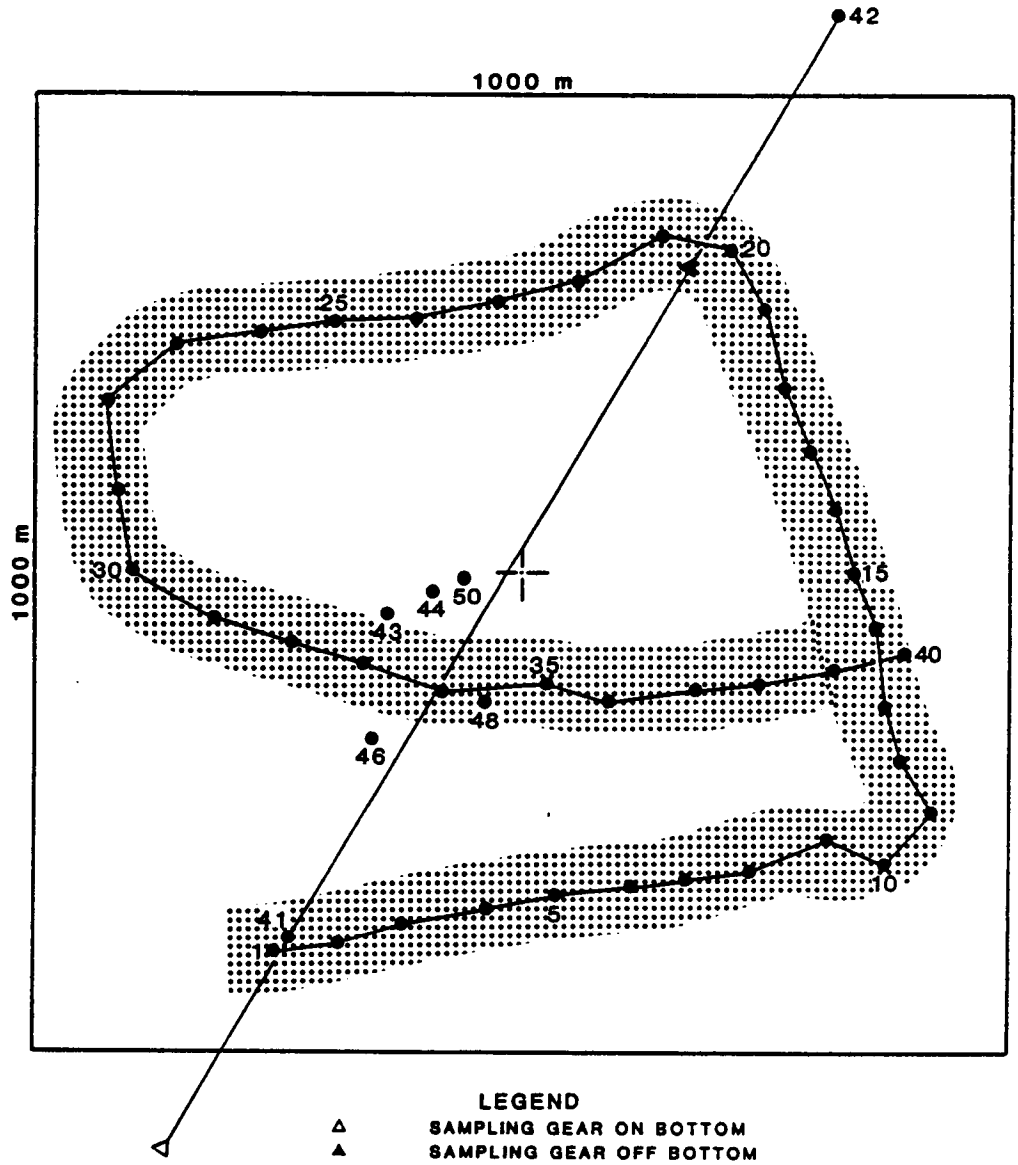


LEGEND

△	SAMPLING GEAR ON BOTTOM
▲	SAMPLING GEAR OFF BOTTOM
FIXMARK	EVENT
1-38	TV/STILL CAMERA LINE
44/45	TRAWL
46	BOX CORE SAMPLE A
47	BOX CORE SAMPLE B
49	BOX CORE SAMPLE C
50	BOX CORE SAMPLE D
52	BOX CORE SAMPLE E

LAT. 26°45.81'
LONG. 83°32.12'

STATION 4 - TELEVISION/STILL CAMERA DATA AND BENTHIC SAMPLE LOCATIONS
YEAR II - CRUISE II

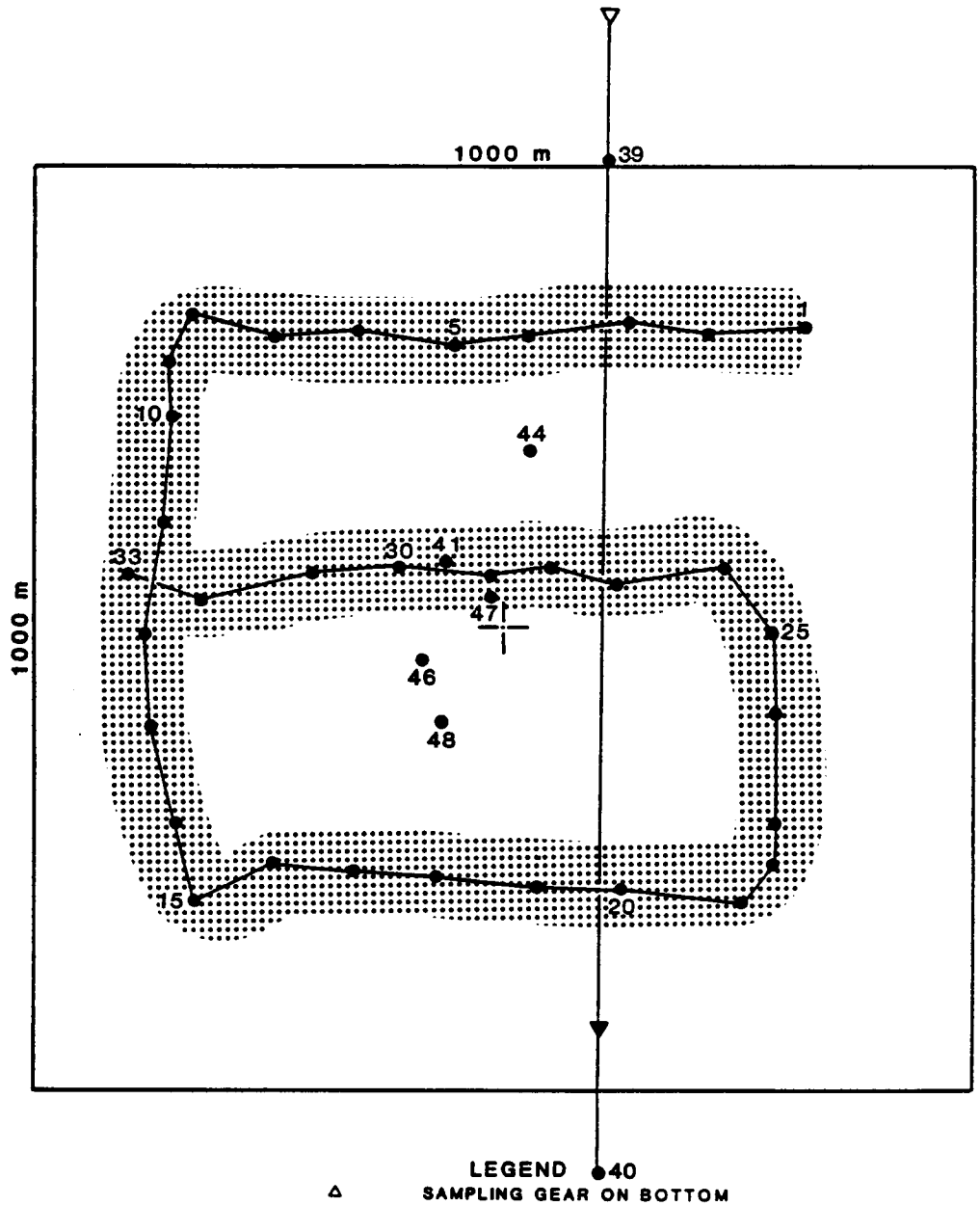


LEGEND

△	SAMPLING GEAR ON BOTTOM
▲	SAMPLING GEAR OFF BOTTOM
FIXMARK	EVENT
1-40	TV/STILL CAMERA LINE
41/42	TRAWL
43	BOX CORE SAMPLE A
44	BOX CORE SAMPLE B
46	BOX CORE SAMPLE C
48	BOX CORE SAMPLE D
50	BOX CORE SAMPLE E

= LAT. 26°45.70'
LONG. 84°00.13'

STATION 5 - TELEVISION/STILL CAMERA DATA AND BENTHIC SAMPLE LOCATIONS
YEAR II - CRUISE II

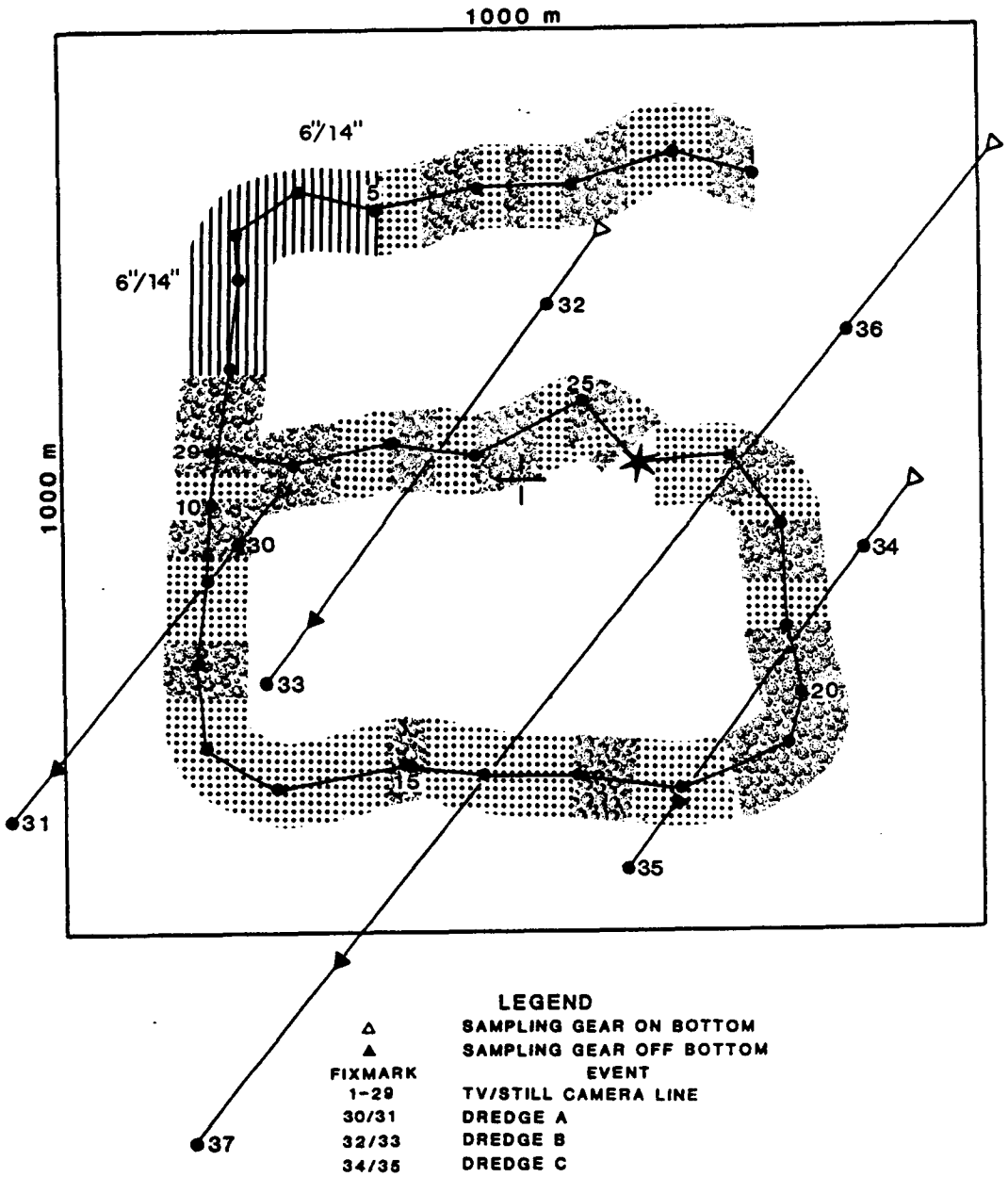


LEGEND

△	SAMPLING GEAR ON BOTTOM
▲	SAMPLING GEAR OFF BOTTOM
FIXMARK	EVENT
1-33	TV/STILL CAMERA LINE
39/40	TRAWL
41	BOX CORE SAMPLE A
44	BOX CORE SAMPLE B
46	BOX CORE SAMPLE C
47	BOX CORE SAMPLE D
48	BOX CORE SAMPLE E

= LAT. 26°16.79'
LONG. 82°38.35'

STATION 6 - TELEVISION/STILL CAMERA DATA AND BENTHIC SAMPLE LOCATIONS
YEAR II - CRUISE II

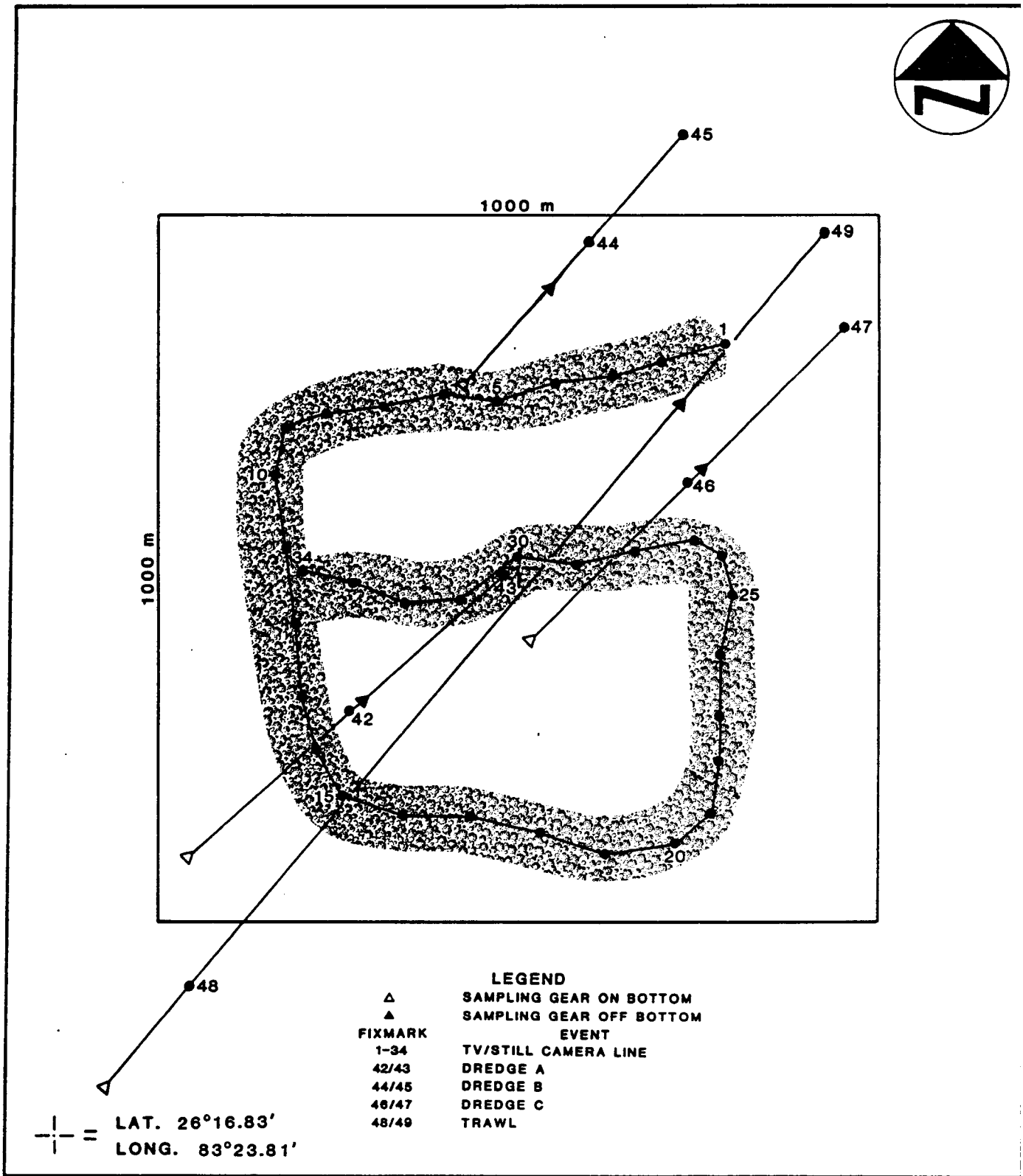


LEGEND

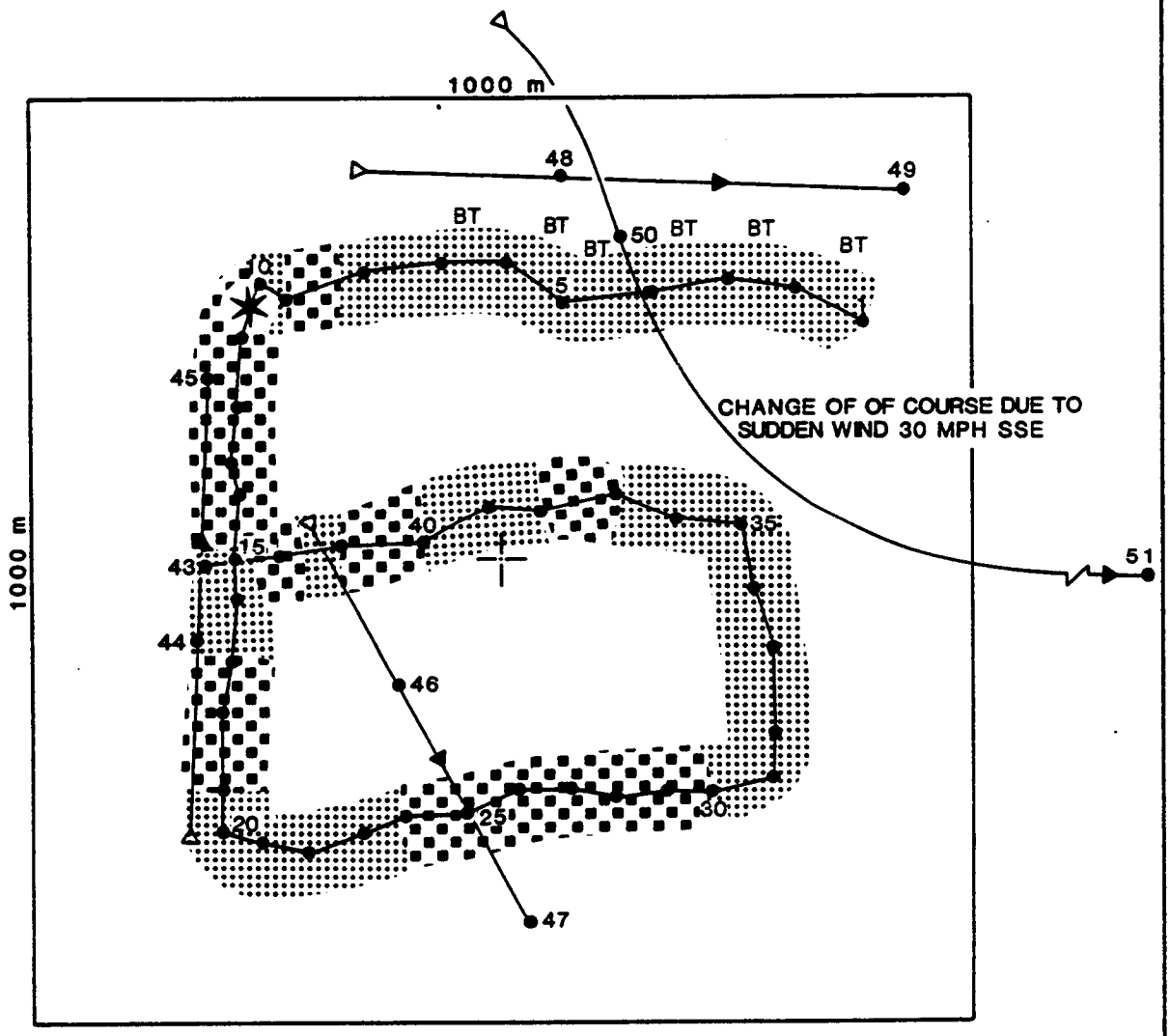
△	SAMPLING GEAR ON BOTTOM
▲	SAMPLING GEAR OFF BOTTOM
FIXMARK	EVENT
1-29	TV/STILL CAMERA LINE
30/31	DREDGE A
32/33	DREDGE B
34/35	DREDGE C
36/37	TRAWL

LAT. 26°16.82'
LONG. 82°44.02'

STATION 7 - TELEVISION/STILL CAMERA DATA AND BENTHIC SAMPLE LOCATIONS
YEAR II - CRUISE II



STATION 9 - TELEVISION/STILL CAMERA DATA AND BENTHIC SAMPLE LOCATIONS
YEAR II - CRUISE II

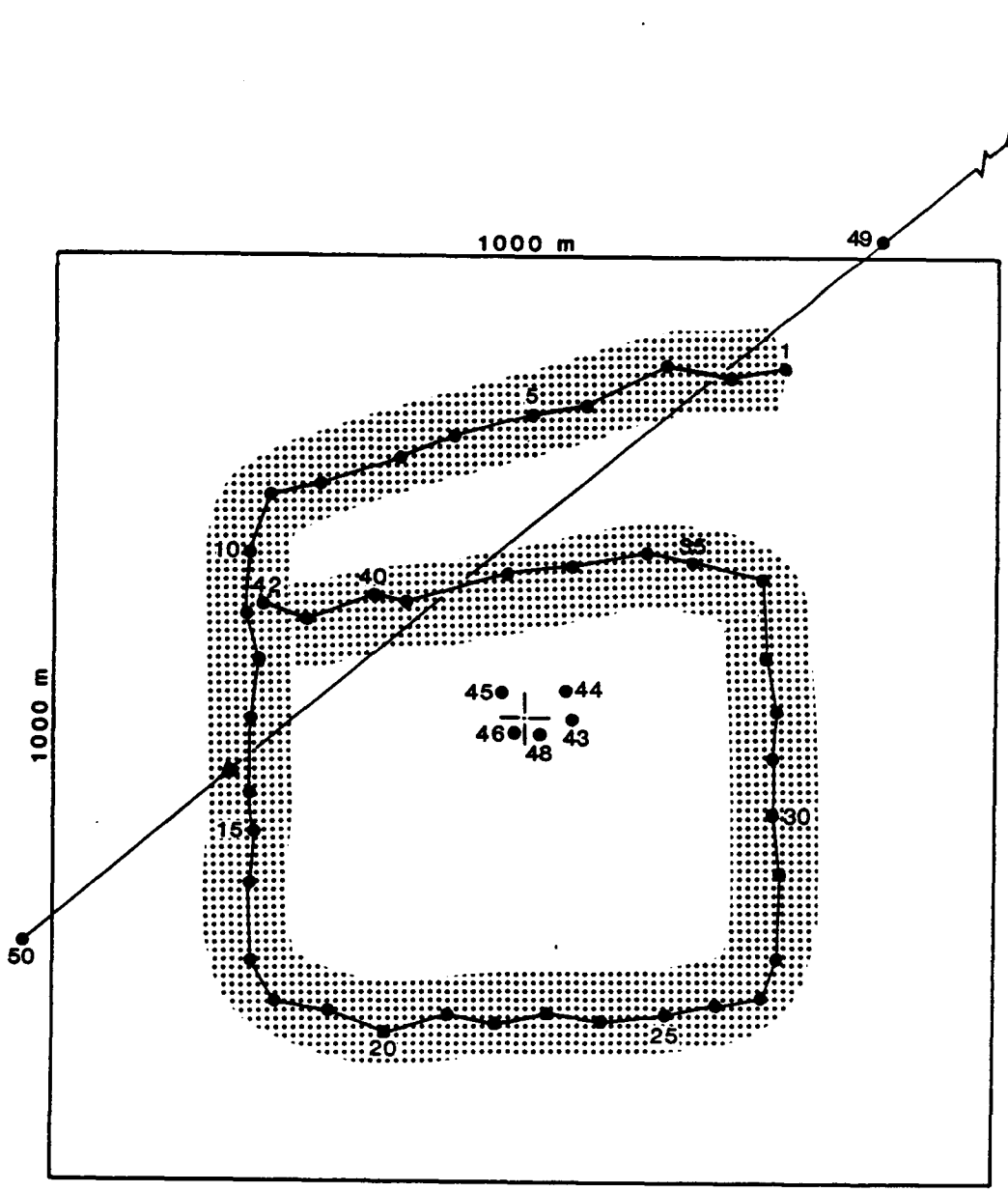


LEGEND

△	SAMPLING GEAR ON BOTTOM
▲	SAMPLING GEAR OFF BOTTOM
FIXMARK	EVENT
1-43	TV/STILL CAMERA LINE
44/45	DREDGE A
46/47	DREDGE B
48/49	DREDGE C
50/51	TRAWL

LAT. 26°16.72′
LONG. 83°46.82′

STATION 11 - TELEVISION/STILL CAMERA DATA AND BENTHIC SAMPLE LOCATIONS
YEAR II - CRUISE II

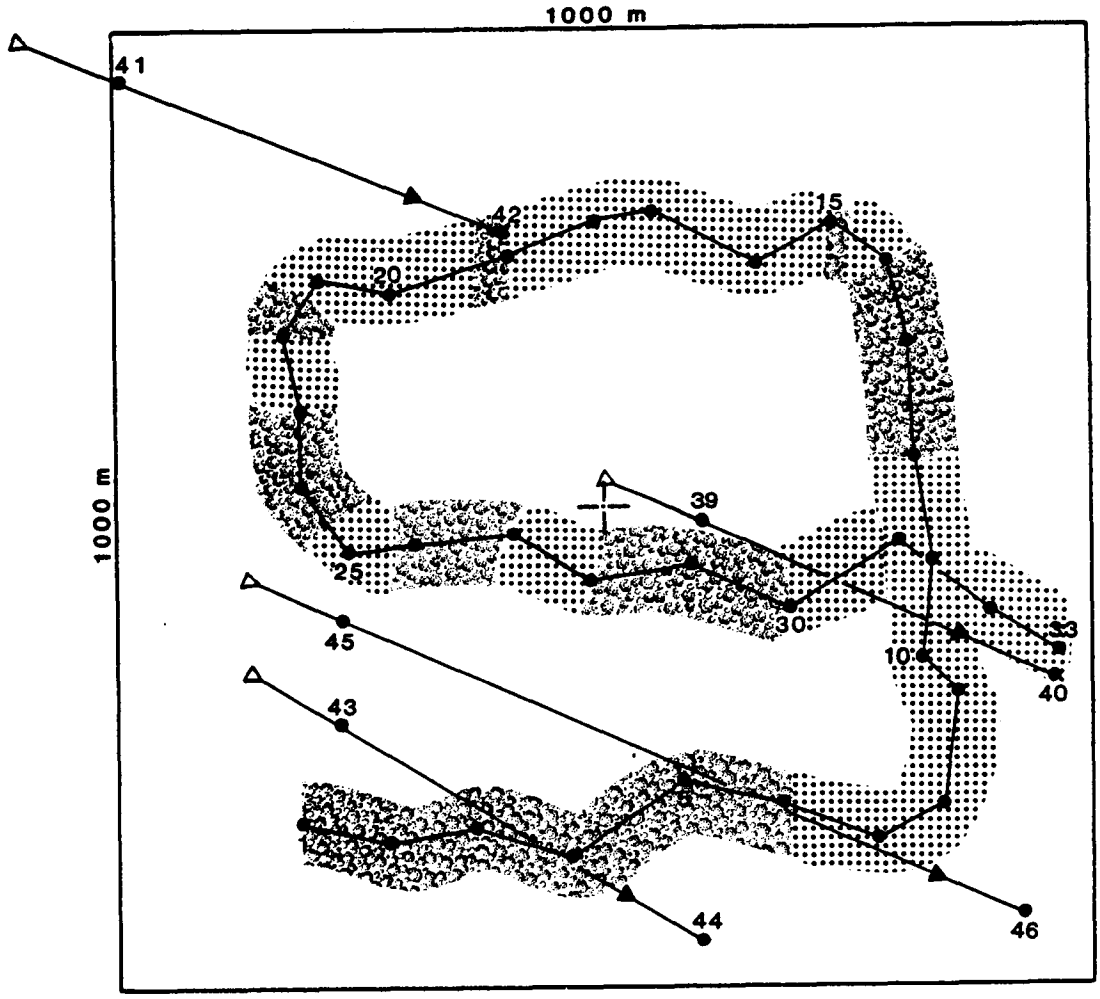


LEGEND

△	SAMPLING GEAR ON BOTTOM
▲	SAMPLING GEAR OFF BOTTOM
FIXMARK	EVENT
1-42	TV/STILL CAMERA LINE
43	BOX CORE SAMPLE A
44	BOX CORE SAMPLE B
45	BOX CORE SAMPLE C
46	BOX CORE SAMPLE D
48	BOX CORE SAMPLE E
49/50	TRAWL

= LAT. 26°16.72'
LONG. 83°47.67'

STATION 12 - TELEVISION/STILL CAMERA DATA AND BENTHIC SAMPLE LOCATIONS
YEAR II - CRUISE II

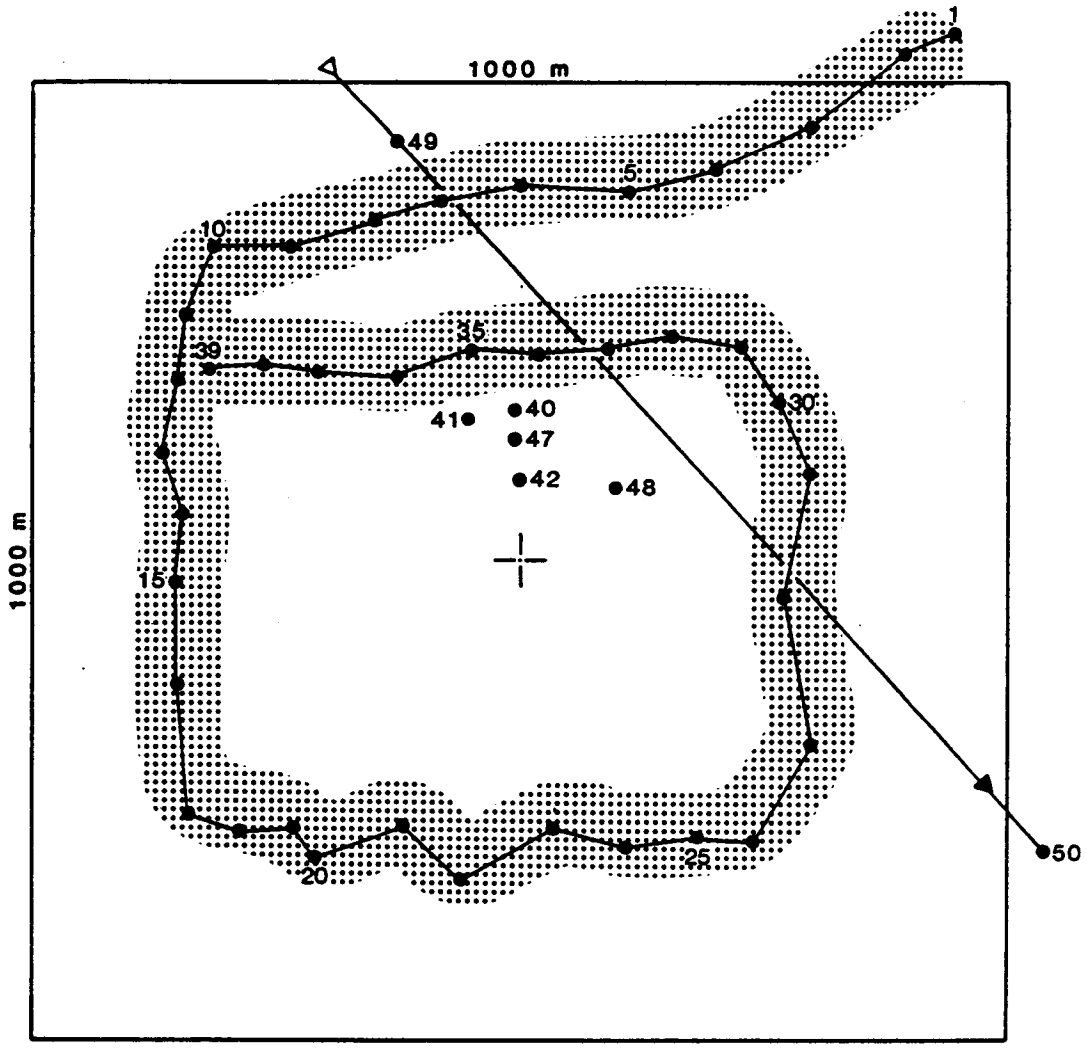


LEGEND

△	SAMPLING GEAR ON BOTTOM
▲	SAMPLING GEAR OFF BOTTOM
FIXMARK	EVENT
1-33	TV/STILL CAMERA LINE
39/40	DREDGE A
41/42	DREDGE B
43/44	DREDGE C
45/46	TRAWL

LAT. 25°45.93'
LONG. 82°09.35'

STATION 13 - TELEVISION/STILL CAMERA DATA AND BENTHIC SAMPLE LOCATIONS
YEAR II - CRUISE II

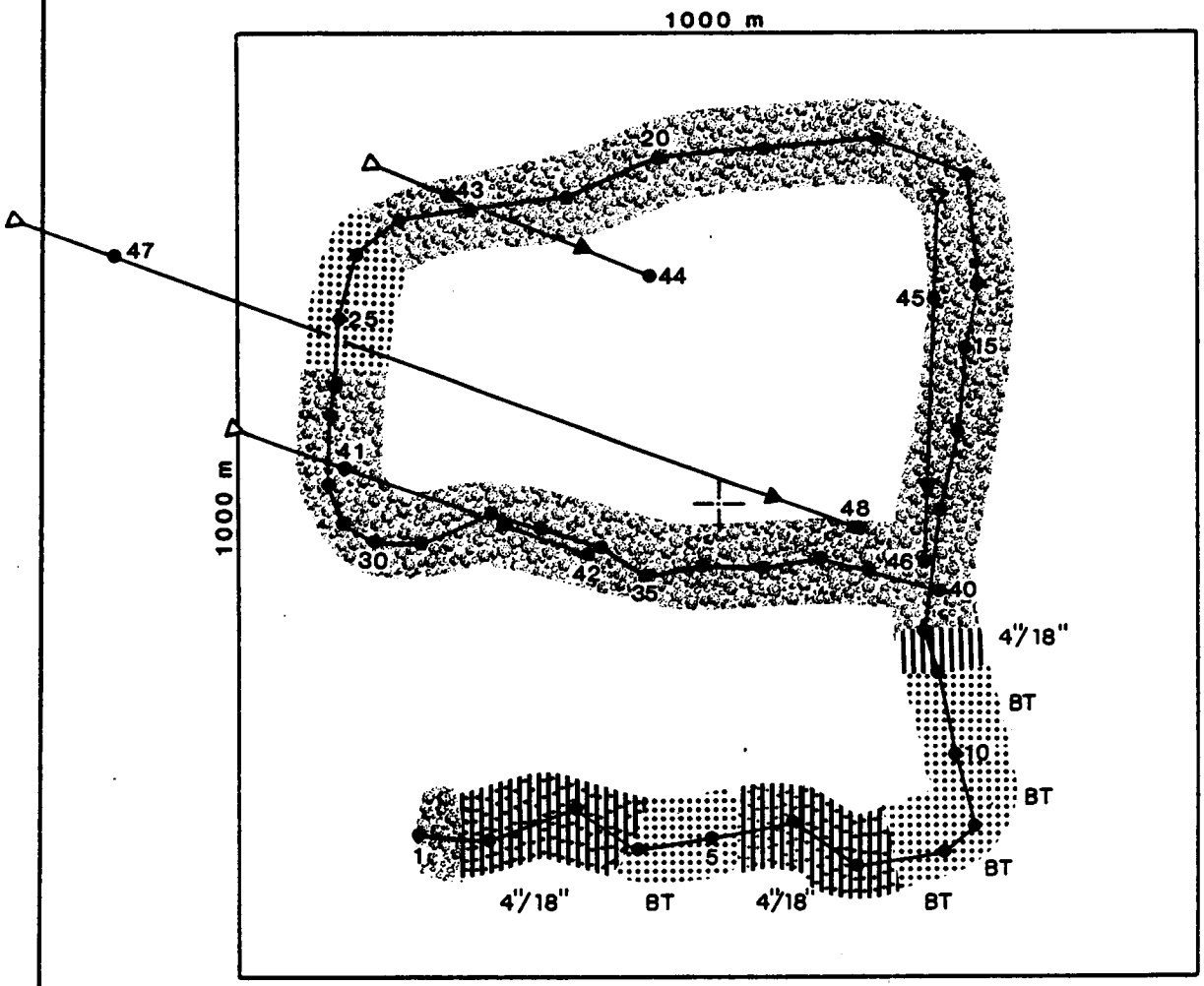


LEGEND

△	SAMPLING GEAR ON BOTTOM
▲	SAMPLING GEAR OFF BOTTOM
FIXMARK	EVENT
1-39	TV/STILL CAMERA LINE
40	BOX CORE SAMPLE A
41	BOX CORE SAMPLE B
42	BOX CORE SAMPLE C
47	BOX CORE SAMPLE D
48	BOX CORE SAMPLE E
49/50	TRAWL

= LAT. 25°46.01'
LONG. 82°23.82'

STATION 14 - TELEVISION/STILL CAMERA DATA AND BENTHIC SAMPLE LOCATIONS
YEAR II - CRUISE II

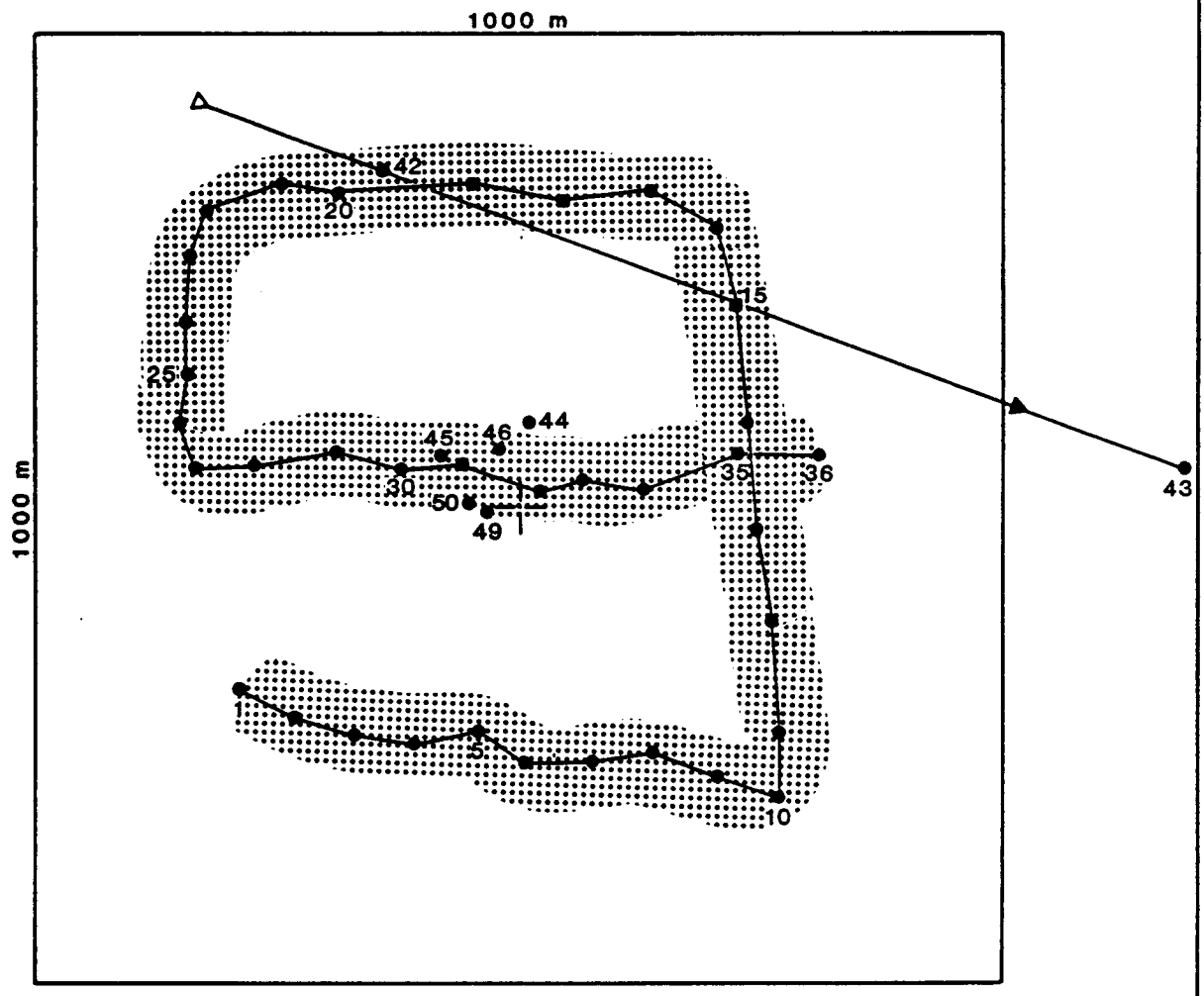


LEGEND

△	SAMPLING GEAR ON BOTTOM
▲	SAMPLING GEAR OFF BOTTOM
FIXMARK	EVENT
1-40	TV/STILL CAMERA LINE
41/42	DREDGE A
43/44	DREDGE B
45/46	DREDGE C
47/48	TRAWL

= LAT. 25°45.89'
LONG. 82°31.62'

STATION 15 - TELEVISION/STILL CAMERA DATA AND BENTHIC SAMPLE LOCATIONS
YEAR II - CRUISE II

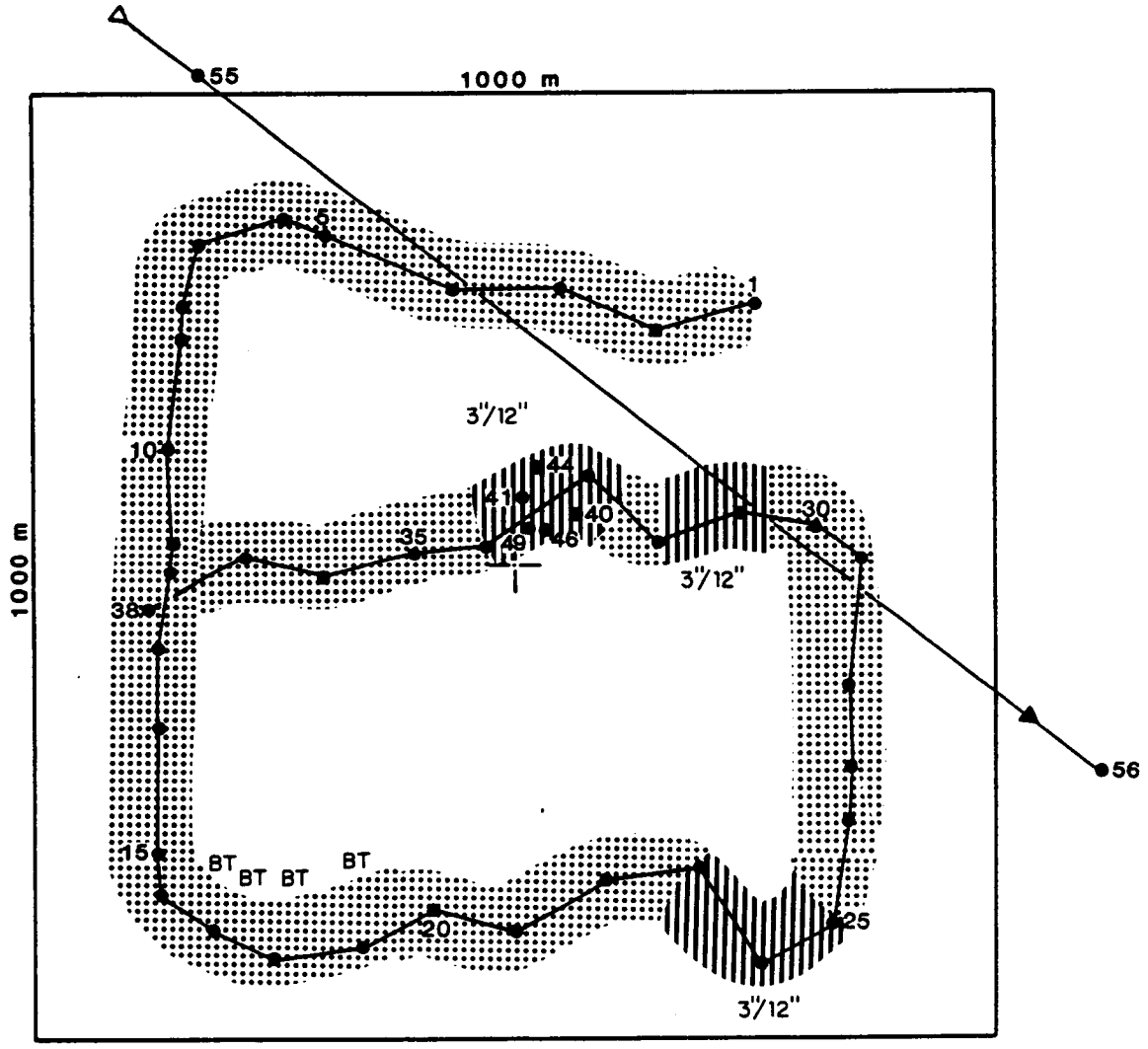


LEGEND

△	SAMPLING GEAR ON BOTTOM
▲	SAMPLING GEAR OFF BOTTOM
FIXMARK	EVENT
1-36	TV/STILL CAMERA LINE
42/43	TRAWL
44	BOX CORE SAMPLE A
45	BOX CORE SAMPLE B
46	BOX CORE SAMPLE C
49	BOX CORE SAMPLE D
50	BOX CORE SAMPLE E

= LAT. 25°45.70'
LONG. 83°11.07'

STATION 16 - TELEVISION/STILL CAMERA DATA AND BENTHIC SAMPLE LOCATIONS
YEAR II - CRUISE II

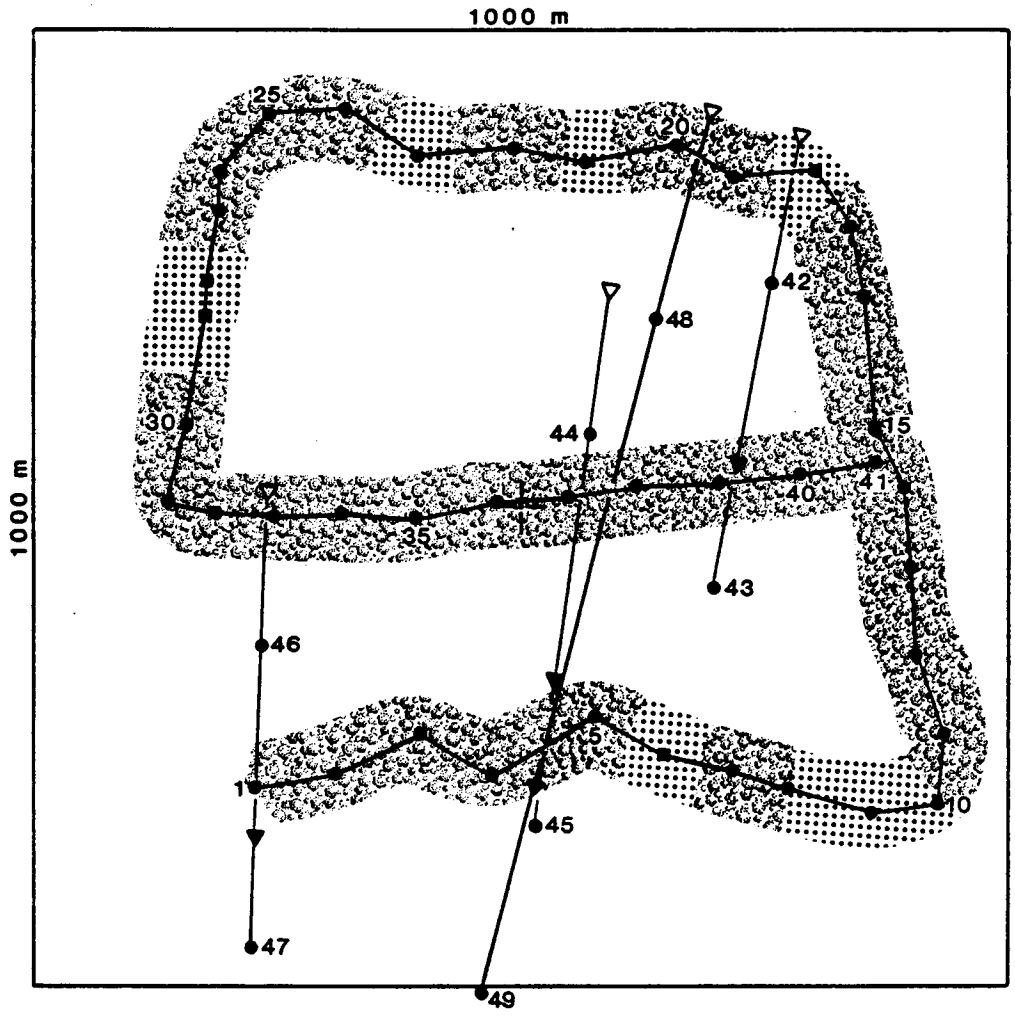


LEGEND

△	SAMPLING GEAR ON BOTTOM
▲	SAMPLING GEAR OFF BOTTOM
FIXMARK	EVENT
1-38	TV/STILL CAMERA LINE
40	BOX CORE SAMPLE A
41	BOX CORE SAMPLE B
44	BOX CORE SAMPLE C
46	BOX CORE SAMPLE D
49	BOX CORE SAMPLE E
55/56	TRAWL

LAT. 25°17.34'
LONG. 82°09.73'

STATION 20 - TELEVISION/STILL CAMERA DATA AND BENTHIC SAMPLE LOCATIONS
YEAR II - CRUISE II

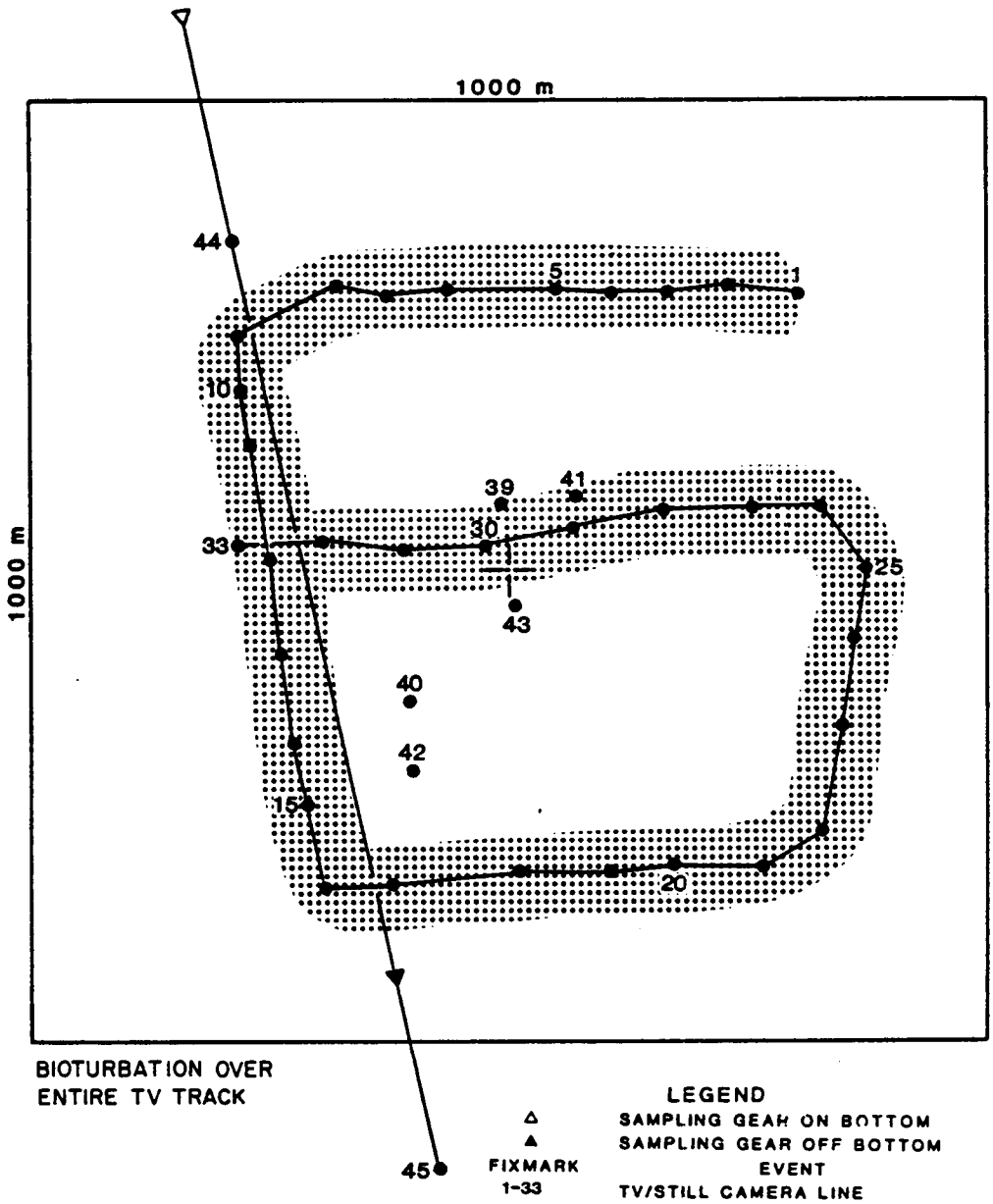


LEGEND

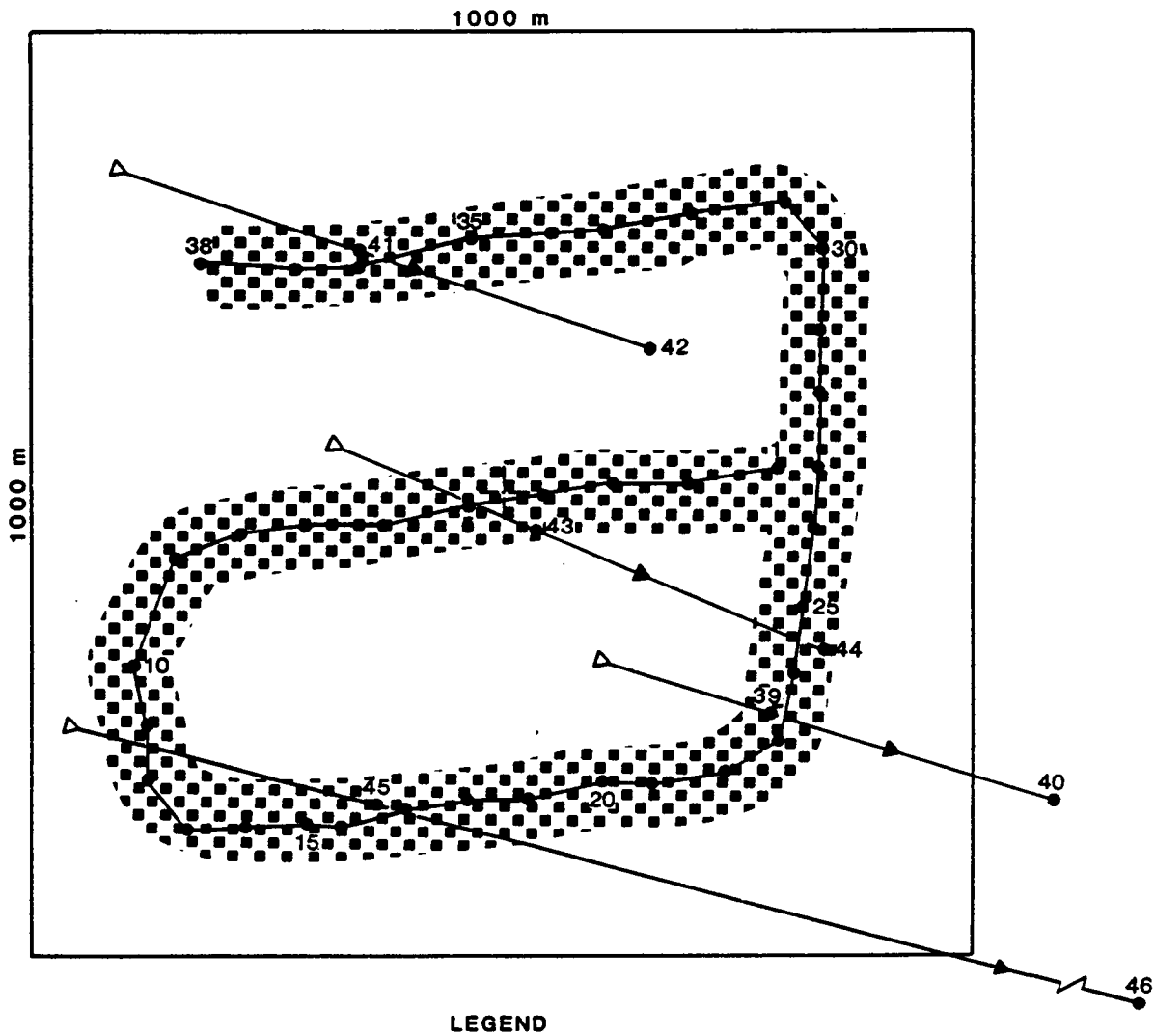
△	SAMPLING GEAR ON BOTTOM
▲	SAMPLING GEAR OFF BOTTOM
FIXMARK	EVENT
1-41	TV/STILL CAMERA LINE
42/43	DREDGE A
44/45	DREDGE B
46/47	DREDGE C
48/49	TRAWL

LAT. 25°17.26′
LONG. 82°52.16′

STATION 21- TELEVISION/STILL CAMERA DATA AND BENTHIC SAMPLE LOCATIONS
YEAR II - CRUISE II



STATION 22 - TELEVISION/STILL CAMERA DATA AND BENTHIC SAMPLE LOCATIONS
YEAR II - CRUISE II

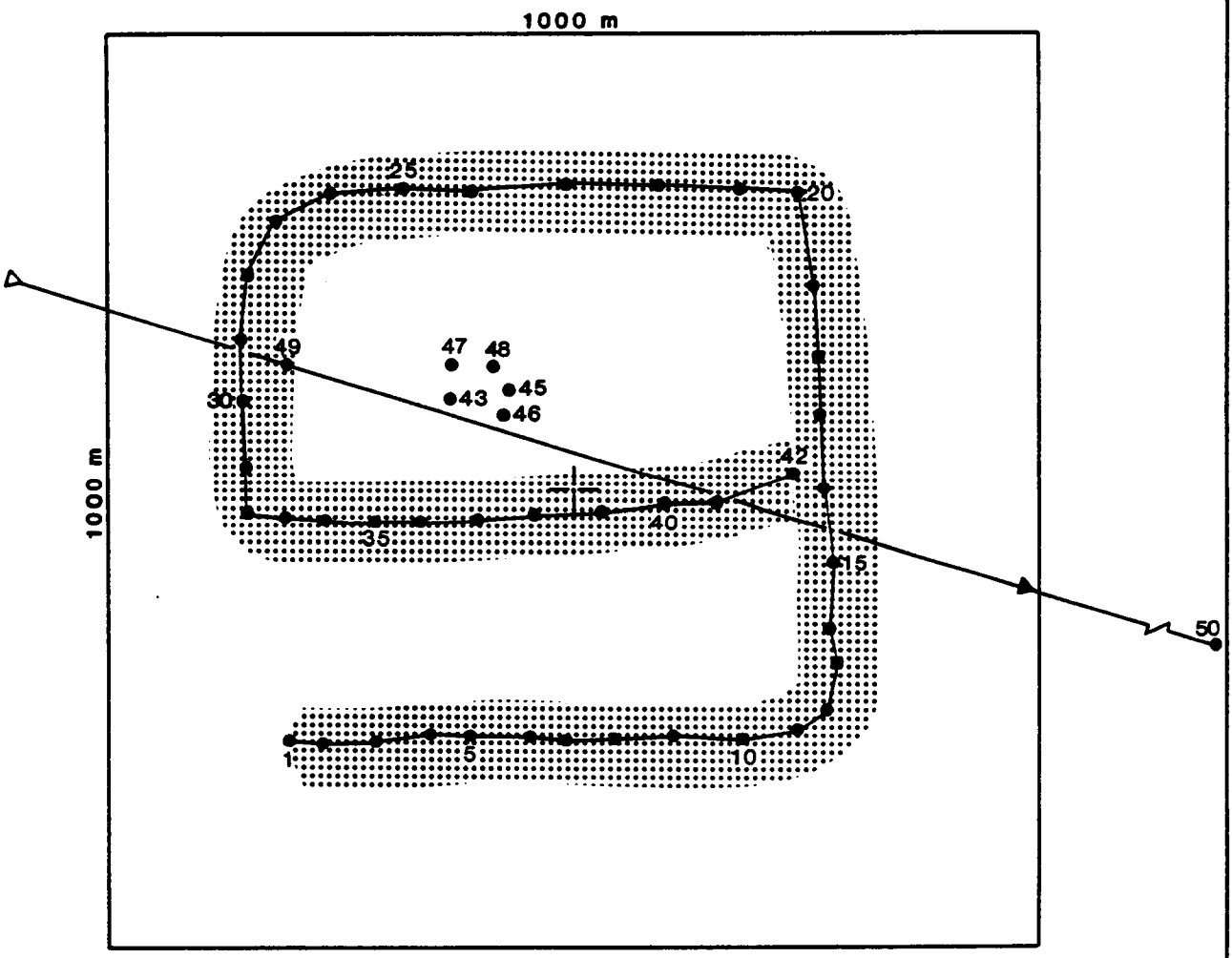


LEGEND

△	SAMPLING GEAR ON BOTTOM
▲	SAMPLING GEAR OFF BOTTOM
FIXMARK	EVENT
1-38	TV/STILL CAMERA LINE
39/40	DREDGE A
41/42	DREDGE B
43/44	DREDGE C
45/46	TRAWL

LAT. 25°16.89'
LONG. 83°37.79'

STATION 23 - TELEVISION/STILL CAMERA DATA AND BENTHIC SAMPLE LOCATIONS
YEAR II - CRUISE II

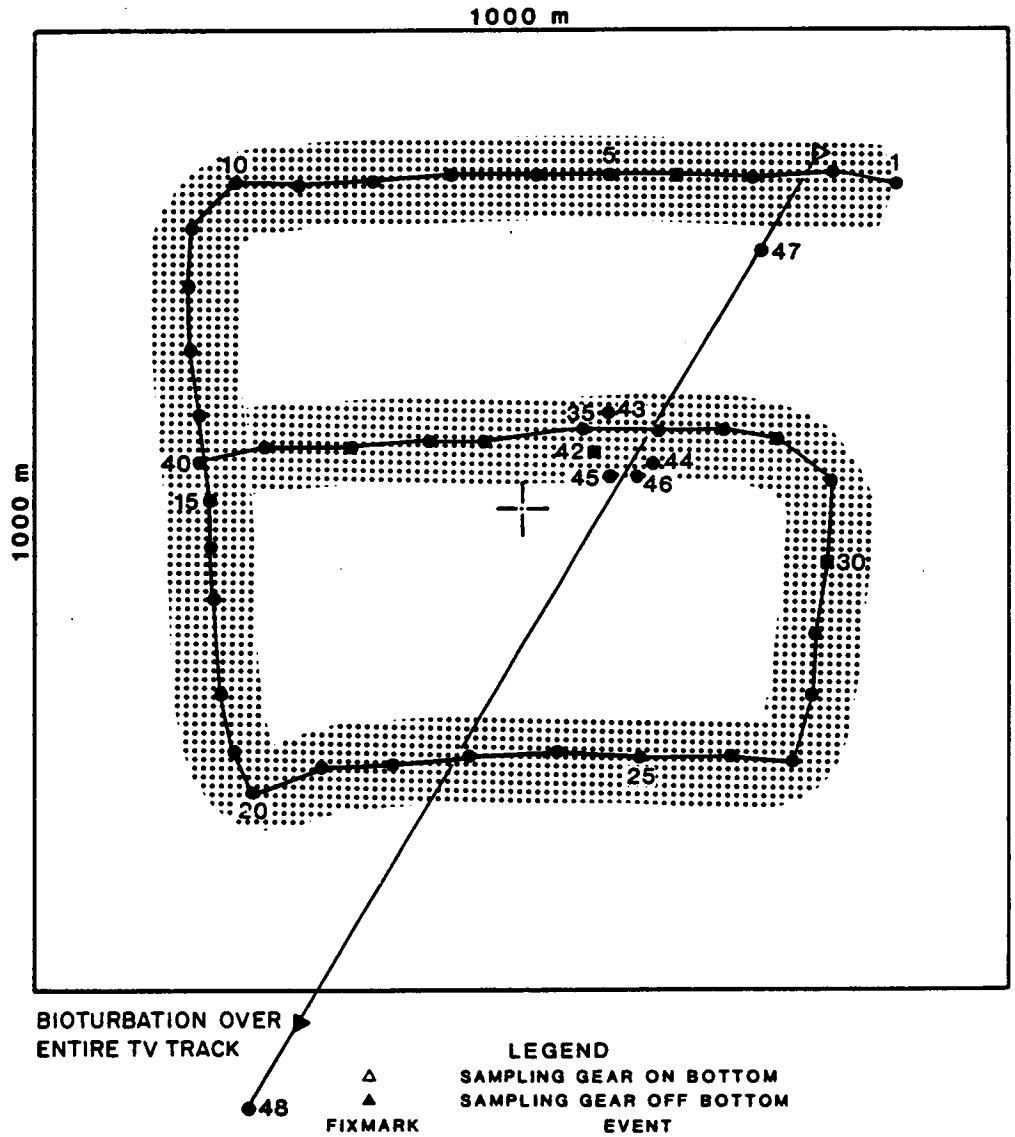


LEGEND

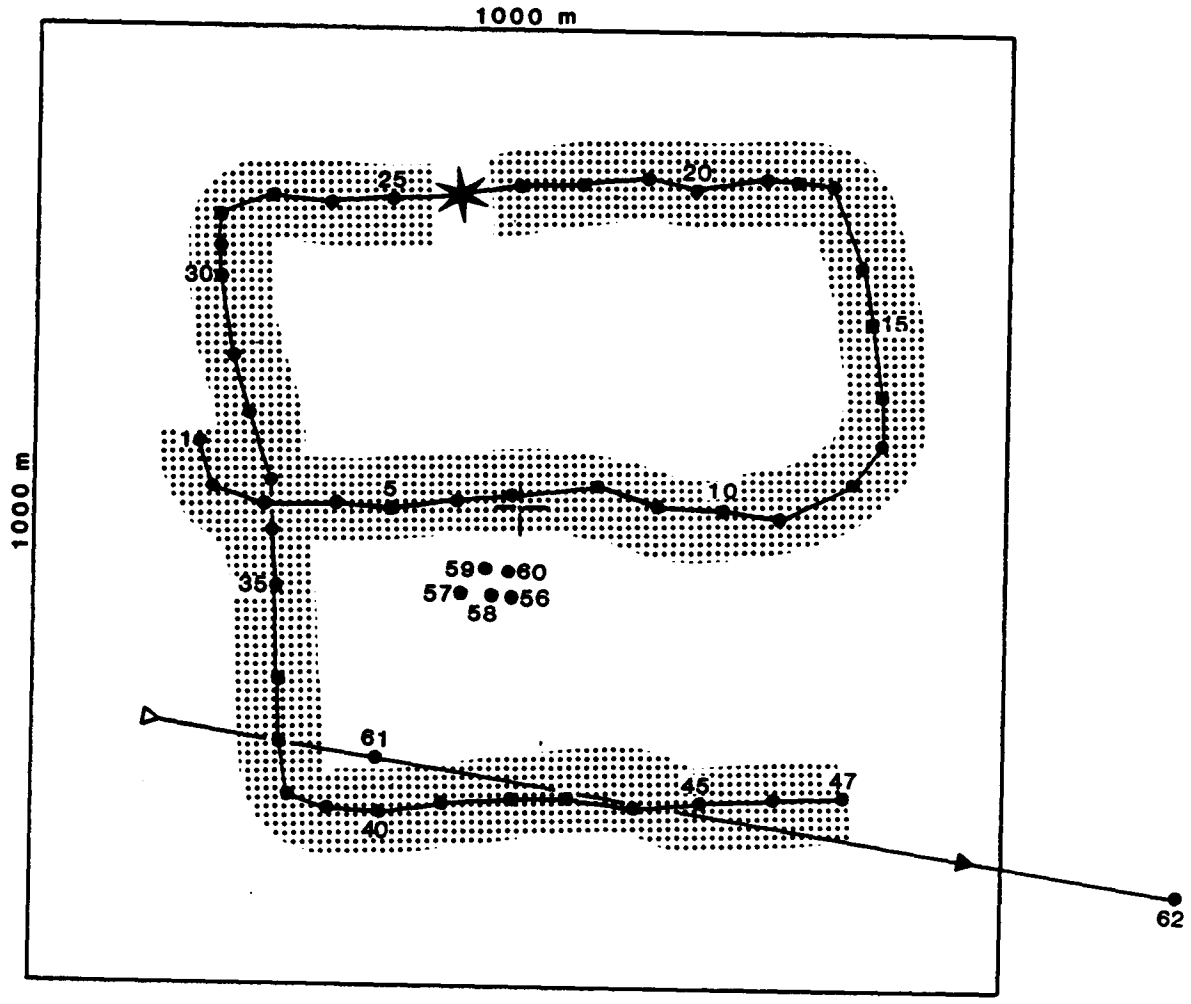
△	SAMPLING GEAR ON BOTTOM
▲	SAMPLING GEAR OFF BOTTOM
FIXMARK	EVENT
1-42	TV/STILL CAMERA LINE
43	BOX CORE SAMPLE A
45	BOX CORE SAMPLE B
46	BOX CORE SAMPLE C
47	BOX CORE SAMPLE D
48	BOX CORE SAMPLE E
49/50	TRAWL

= LAT. 25°16.90'
LONG. 83°43.18'

STATION 24 - TELEVISION/STILL CAMERA DATA AND BENTHIC SAMPLE LOCATIONS
YEAR II - CRUISE II



STATION 25 - TELEVISION/STILL CAMERA DATA AND BENTHIC SAMPLE LOCATIONS
YEAR II - CRUISE II



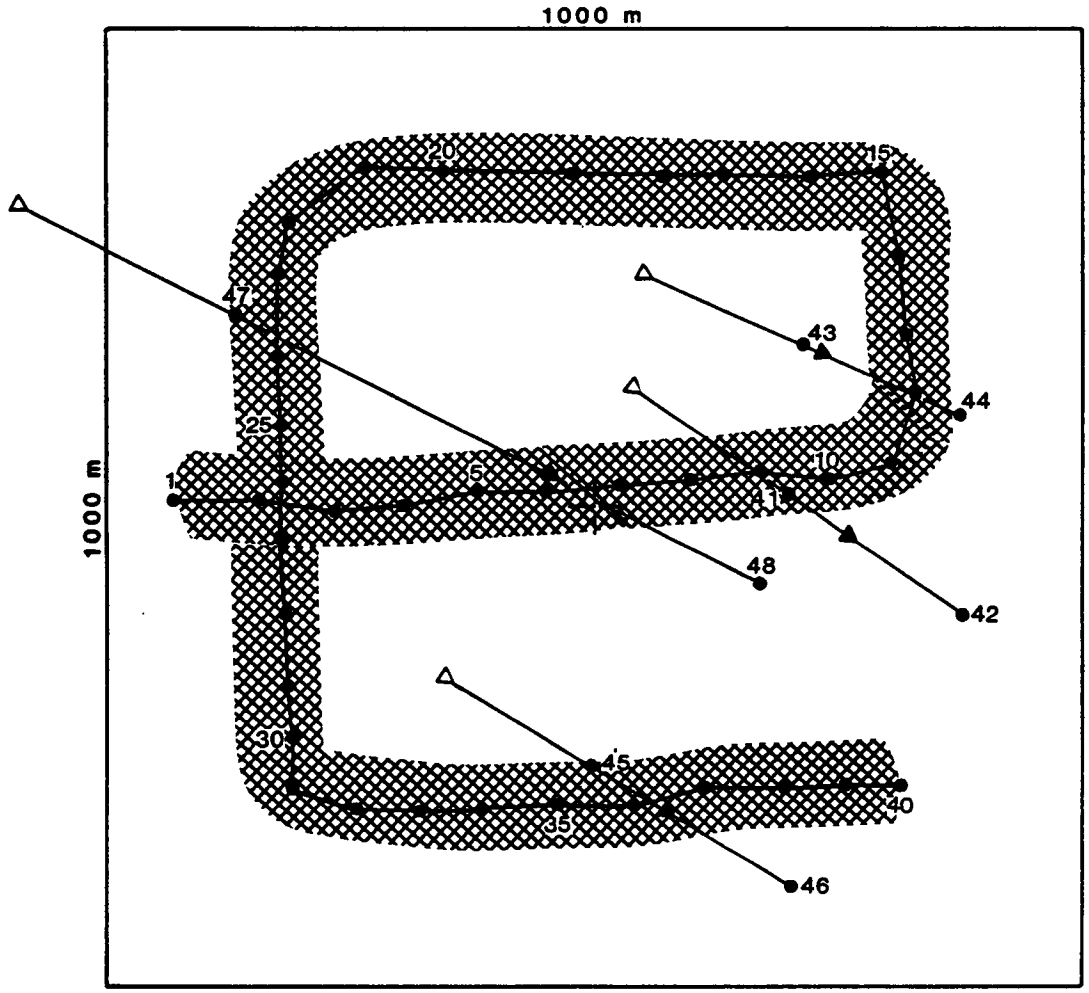
LEGEND

△	SAMPLING GEAR ON BOTTOM
▲	SAMPLING GEAR OFF BOTTOM

FIXMARK	EVENT
1-47	TV/STILL CAMERA LINE
56	BOX CORE SAMPLE A
57	BOX CORE SAMPLE B
58	BOX CORE SAMPLE C
59	BOX CORE SAMPLE D
60	BOX CORE SAMPLE E
61/62	TRAWL

LAT. 24°47.11'
LONG. 83°13.08'

STATION 28 - TELEVISION/STILL CAMERA DATA AND BENTHIC SAMPLE LOCATIONS
YEAR II - CRUISE II

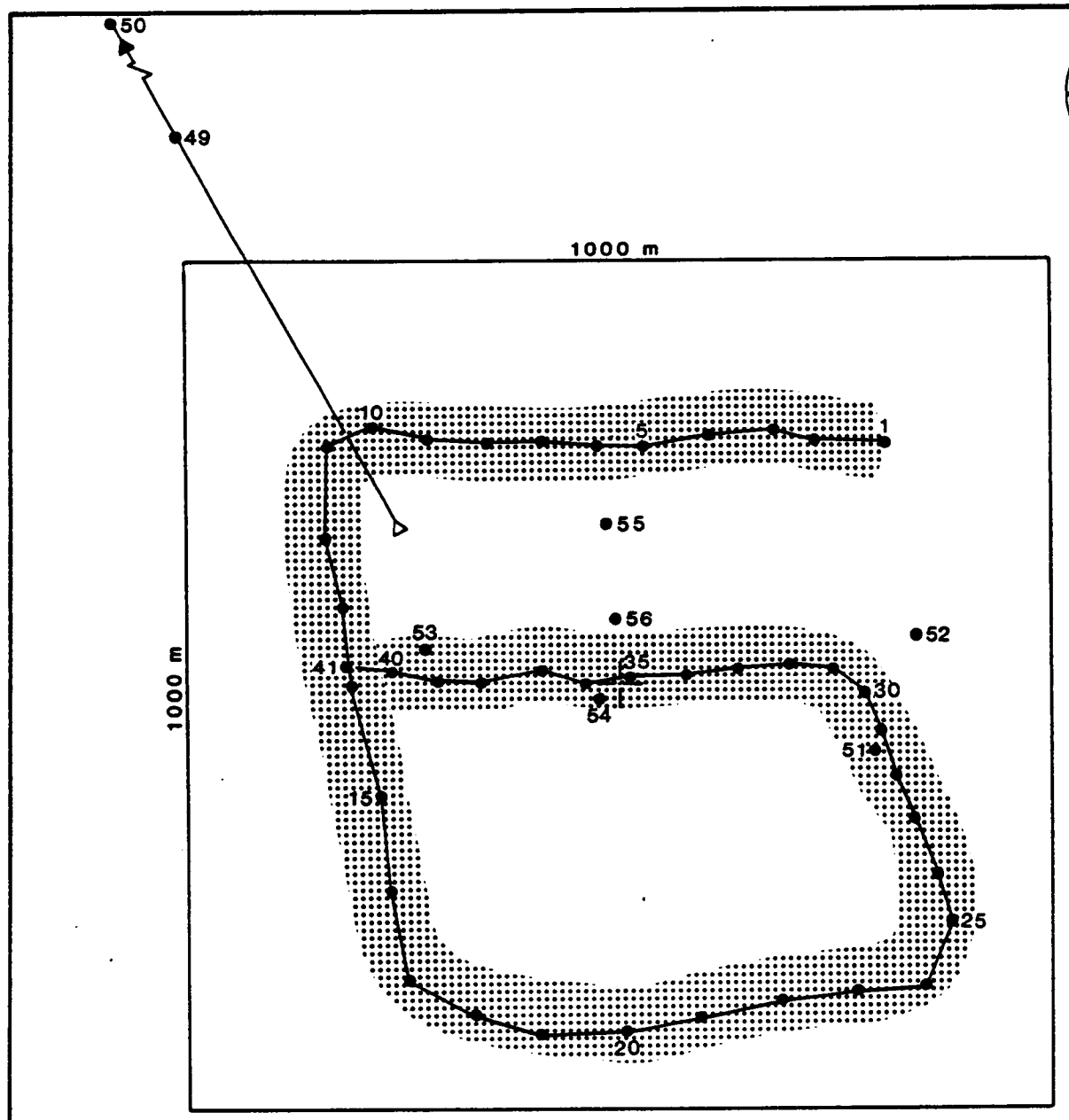


LEGEND

△	SAMPLING GEAR ON BOTTOM
▲	SAMPLING GEAR OFF BOTTOM
FIXMARK	EVENT
1-40	TV/STILL CAMERA LINE
41/42	DREDGE A
43/44	DREDGE B
45/46	DREDGE C
47/48	TRAWL

LAT. 24°47.51'
LONG. 83°41.19'

STATION 29- TELEVISION/STILL CAMERA DATA AND BENTHIC SAMPLE LOCATIONS
YEAR II - CRUISE II



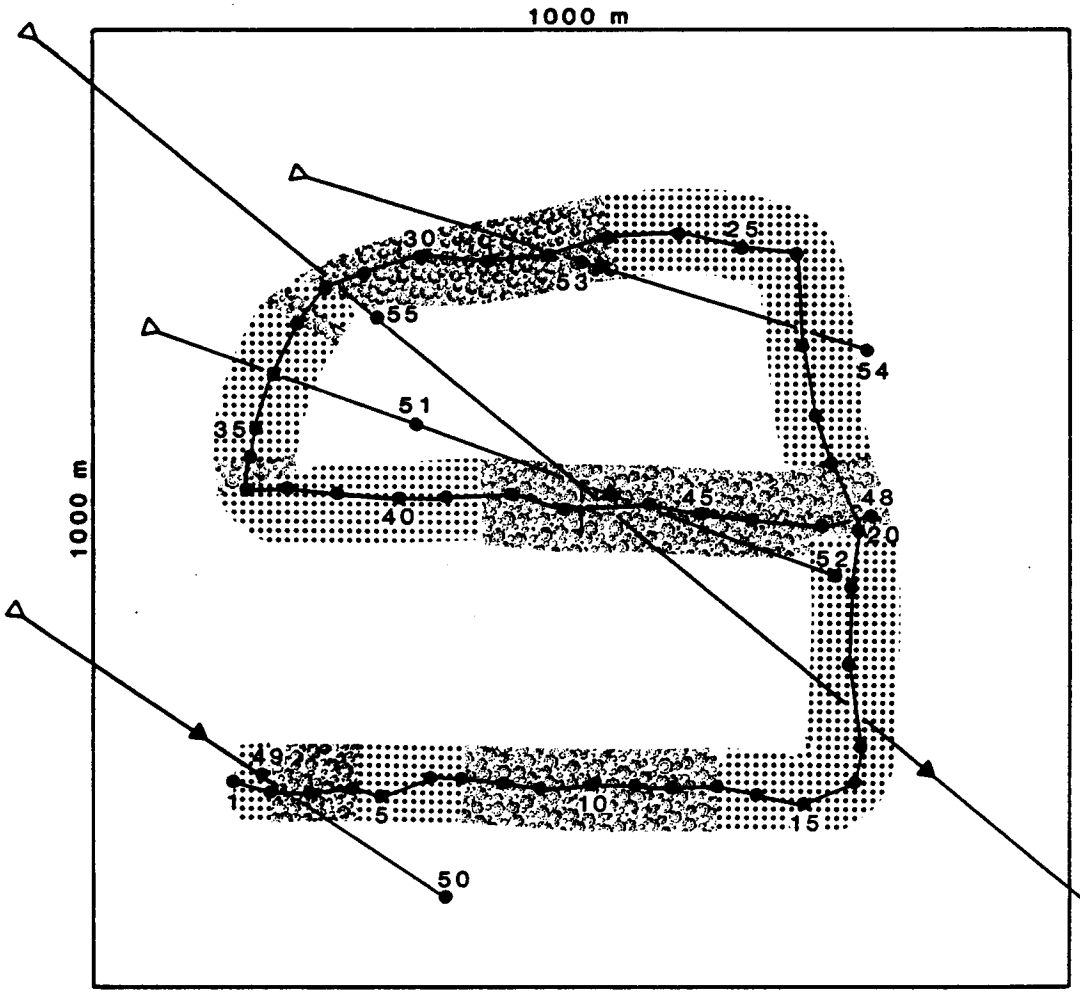
BIOTURBATION OVER ENTIRE TV TRACK

LEGEND

△	SAMPLING GEAR ON BOTTOM
▲	SAMPLING GEAR OFF BOTTOM
FIXMARK	EVENT
1-41	TV/STILL CAMERA LINE
49/50	TRAWL
51	BOX CORE SAMPLE A
52	BOX CORE SAMPLE B
53	BOX CORE SAMPLE C
54	BOX CORE SAMPLE D
55	BOX CORE SAMPLE E
56	BOX CORE SAMPLE F

LAT. 26°45.61'
LONG. 84°14.81'

STATION 31- TELEVISION/STILL CAMERA DATA AND BENTHIC SAMPLE LOCATIONS
YEAR II - CRUISE II

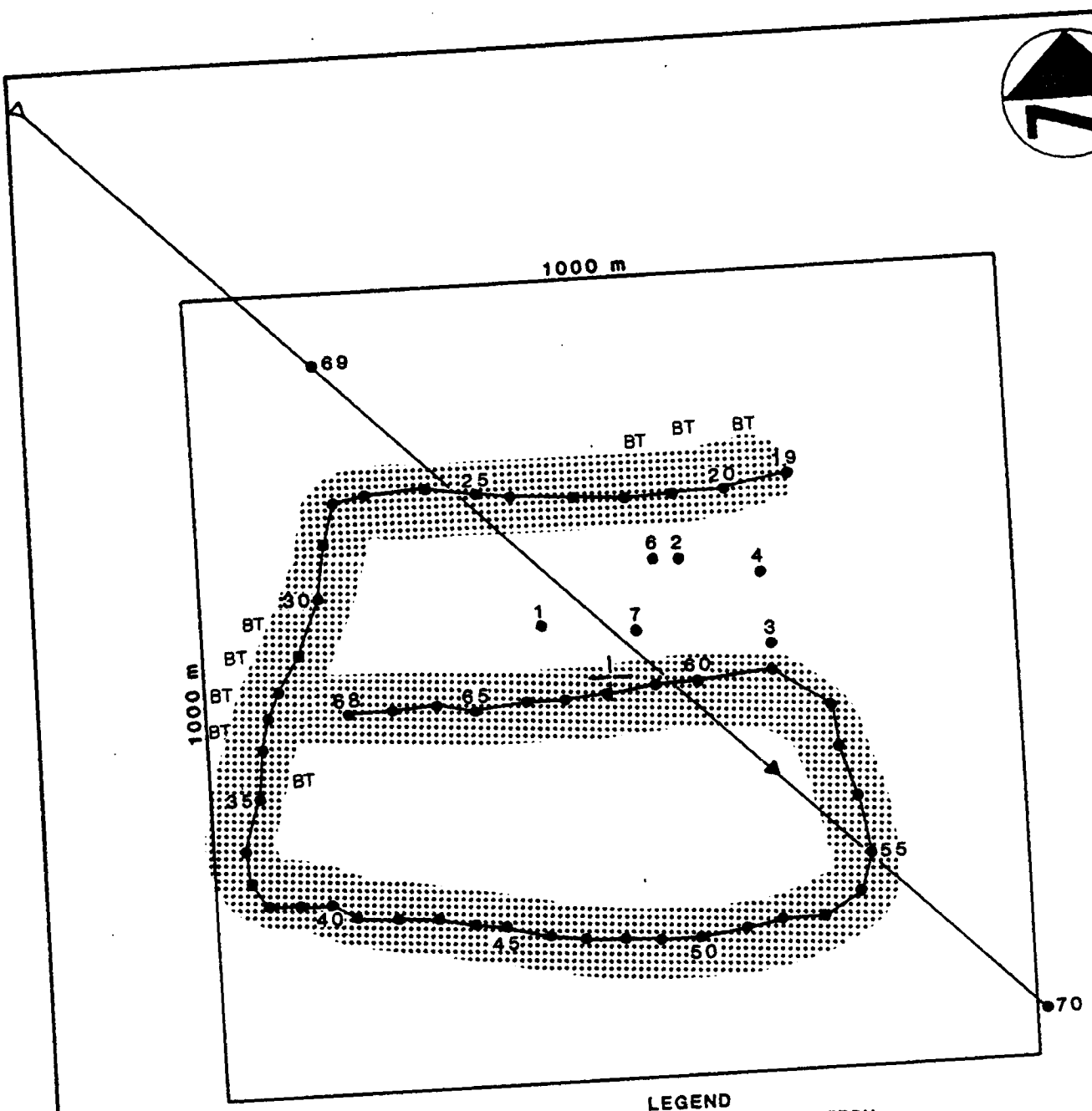


LEGEND

△	SAMPLING GEAR ON BOTTOM
▲	SAMPLING GEAR OFF BOTTOM
FIXMARK	EVENT
1-48	TV/STILL CAMERA LINE
49/50	DREDGE A
51/52	DREDGE B
53/54	DREDGE C
55/56	TRAWL

= LAT. 26°16.67′
LONG. 84°04.08′

STATION 32 - TELEVISION/STILL CAMERA DATA AND BENTHIC SAMPLE LOCATIONS
YEAR II - CRUISE II

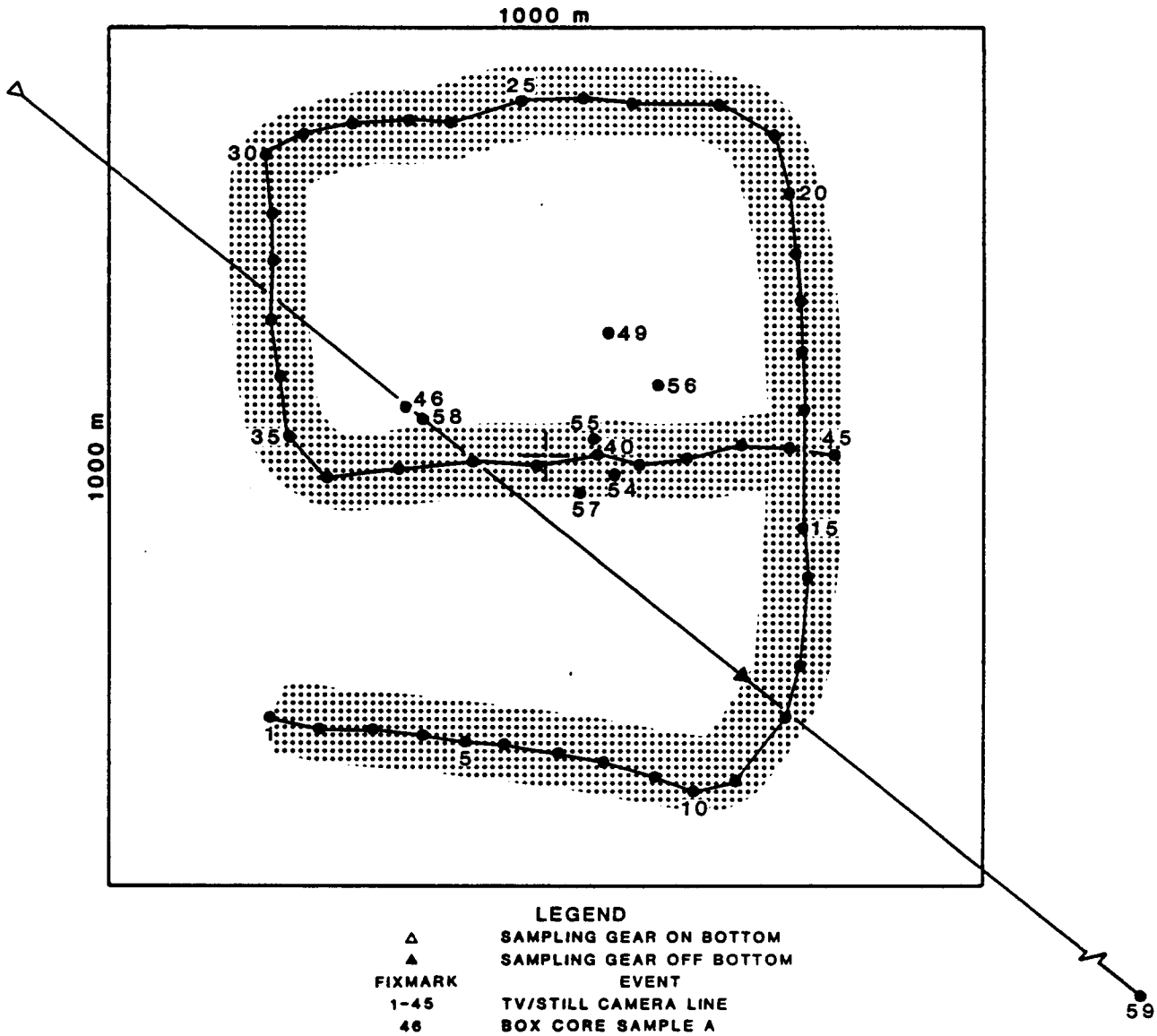


LEGEND

△	SAMPLING GEAR ON BOTTOM
▲	SAMPLING GEAR OFF BOTTOM
FIXMARK	EVENT
1	BOX CORE SAMPLE A
2	BOX CORE SAMPLE B
3	BOX CORE SAMPLE C
4	BOX CORE SAMPLE D
6	BOX CORE SAMPLE E
7	BOX CORE SAMPLE F
19-68	TV/STILL CAMERA LINE
69/70	TRAWL

LAT. 26°16.53'
LONG. 84°05.97'

STATION 33 - TELEVISION/STILL CAMERA DATA AND BENTHIC SAMPLE LOCATIONS
YEAR II - CRUISE II

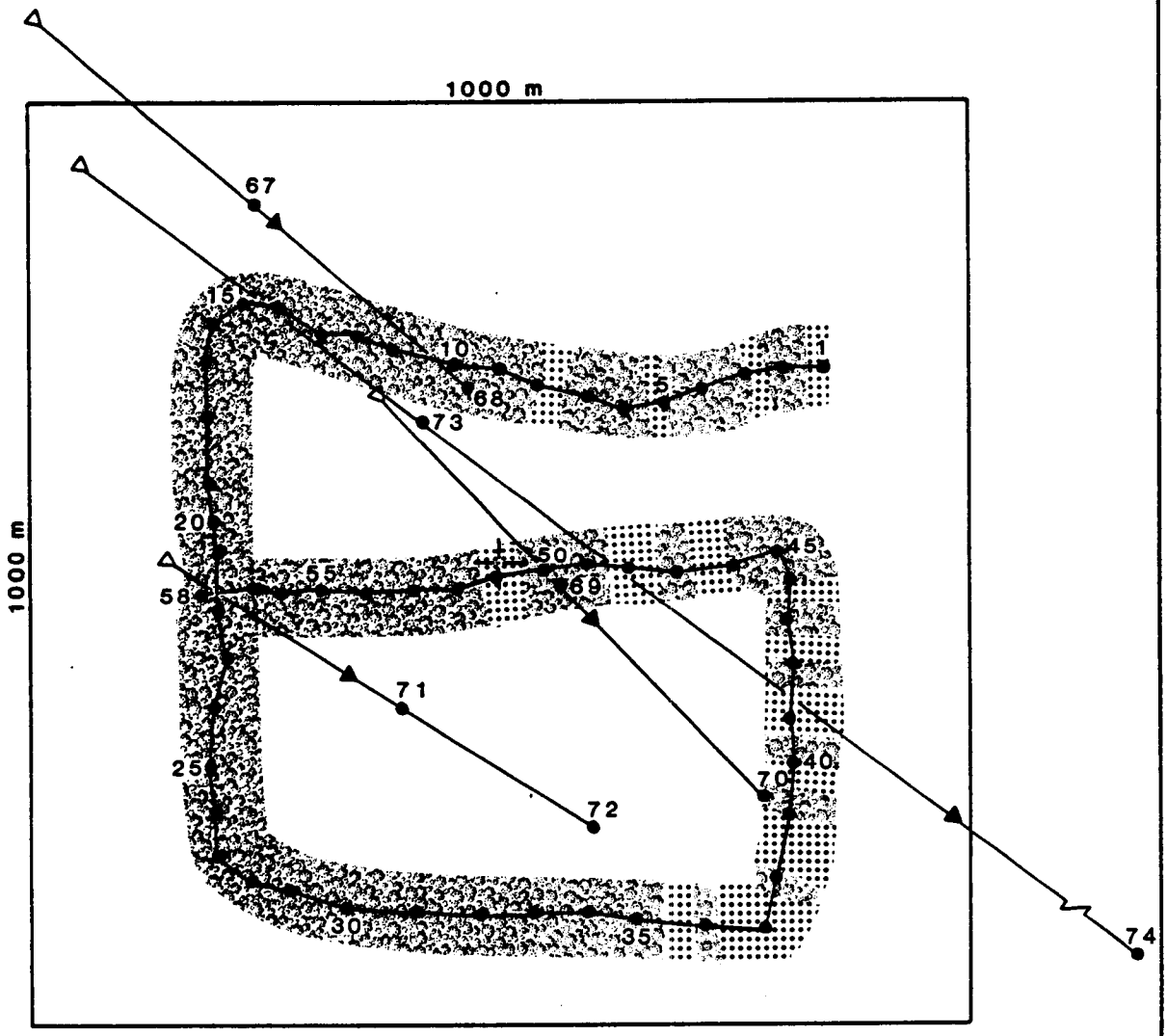


LEGEND

△	SAMPLING GEAR ON BOTTOM
▲	SAMPLING GEAR OFF BOTTOM
FIXMARK	EVENT
1-45	TV/STILL CAMERA LINE
46	BOX CORE SAMPLE A
49	BOX CORE SAMPLE B
54	BOX CORE SAMPLE C
55	BOX CORE SAMPLE D
56	BOX CORE SAMPLE E
57	BOX CORE SAMPLE F
58/59	TRAWL

LAT. 25°45.31'
LONG. 83°57.63'

STATION 34 - TELEVISION/STILL CAMERA DATA AND BENTHIC SAMPLE LOCATIONS
YEAR II - CRUISE II

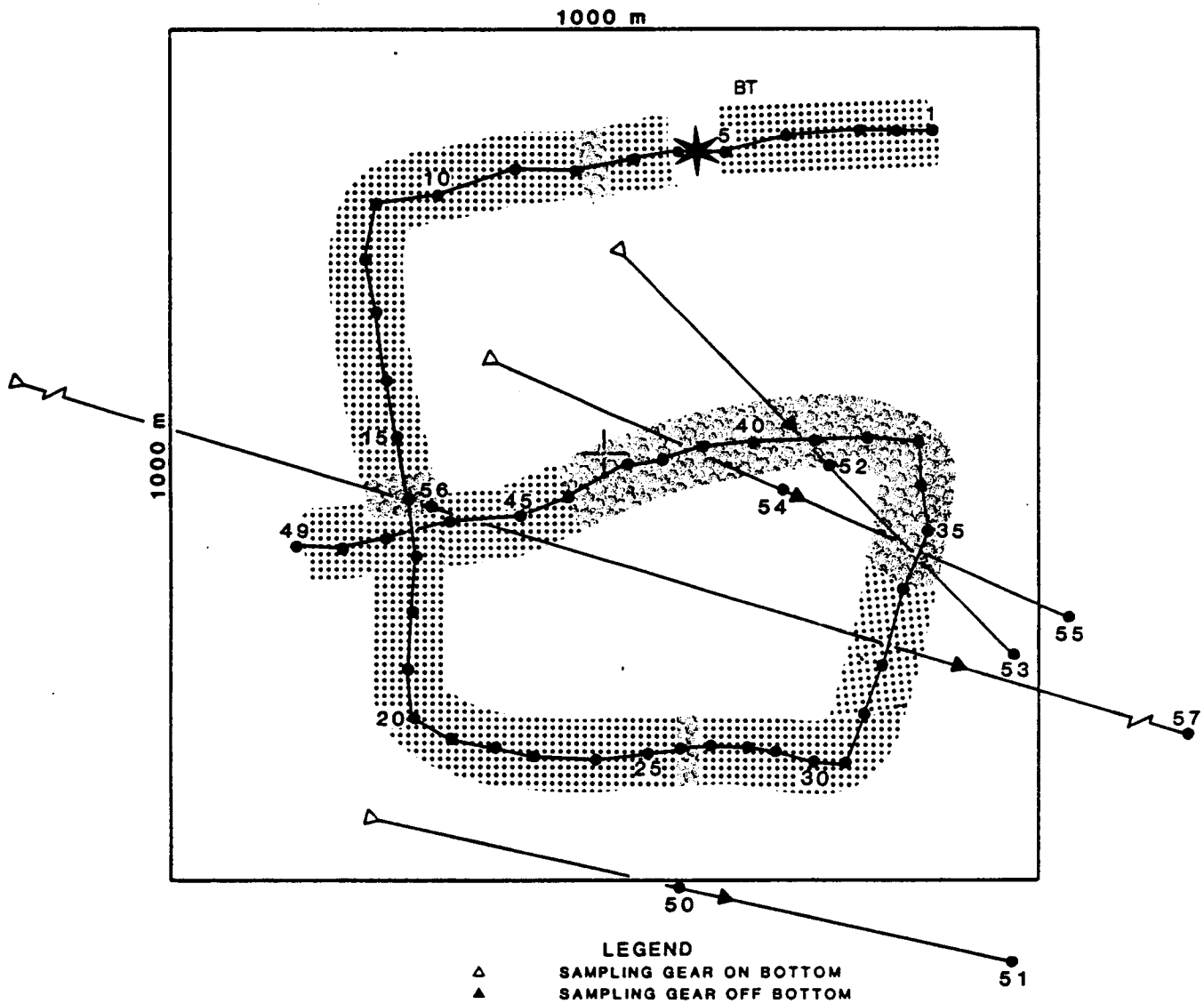


LEGEND

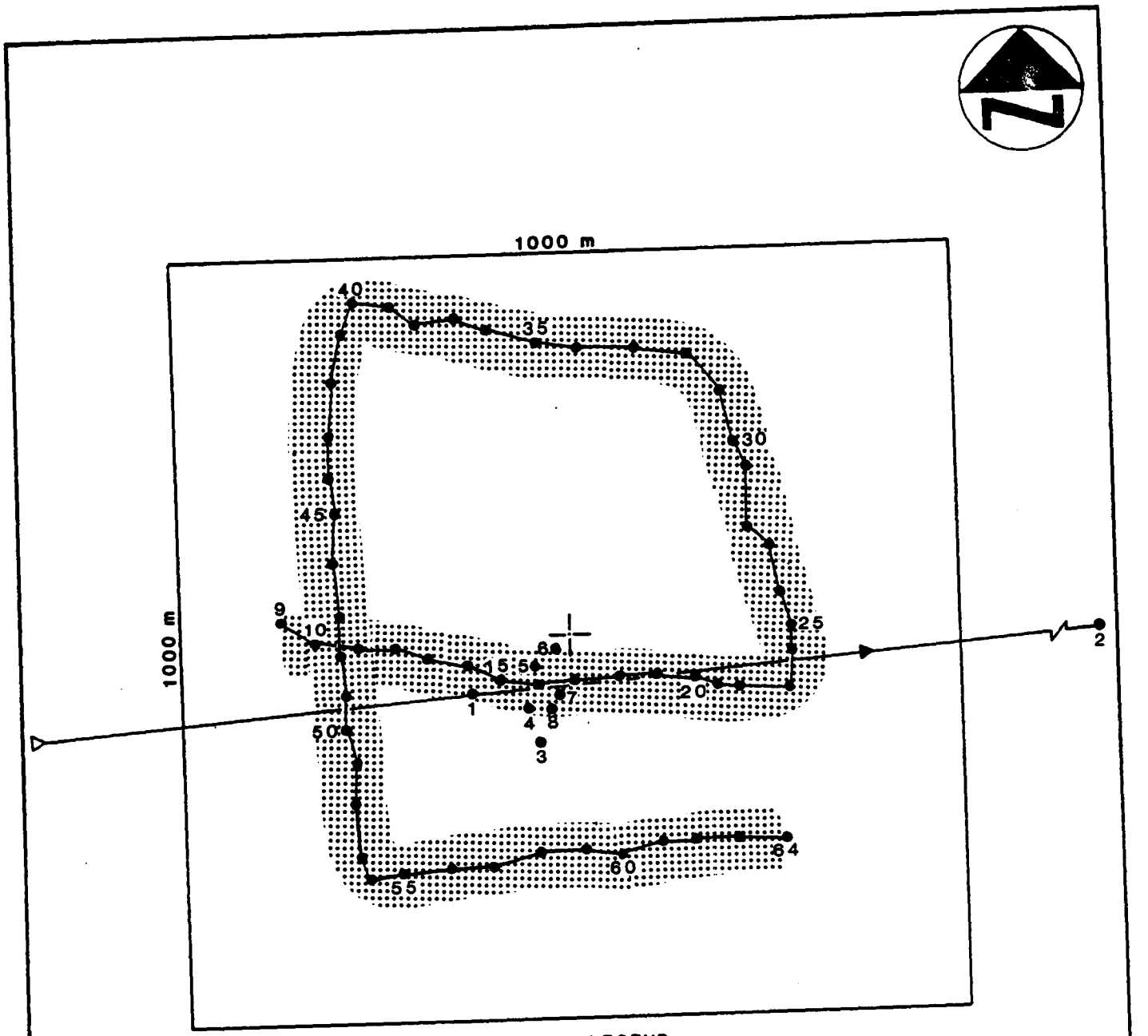
△	SAMPLING GEAR ON BOTTOM
▲	SAMPLING GEAR OFF BOTTOM
FIXMARK	EVENT
1-58	TV/STILL CAMERA LINE
67/68	DREDGE A
69/70	DREDGE B
71/72	DREDGE C
73/74	TRAWL

LAT. 25°44.84'
LONG. 84°21.03'

STATION 35- TELEVISION/STILL CAMERA DATA AND BENTHIC SAMPLE LOCATIONS
YEAR II - CRUISE II



STATION 36- TELEVISION/STILL CAMERA DATA AND BENTHIC SAMPLE LOCATIONS
YEAR II - CRUISE II

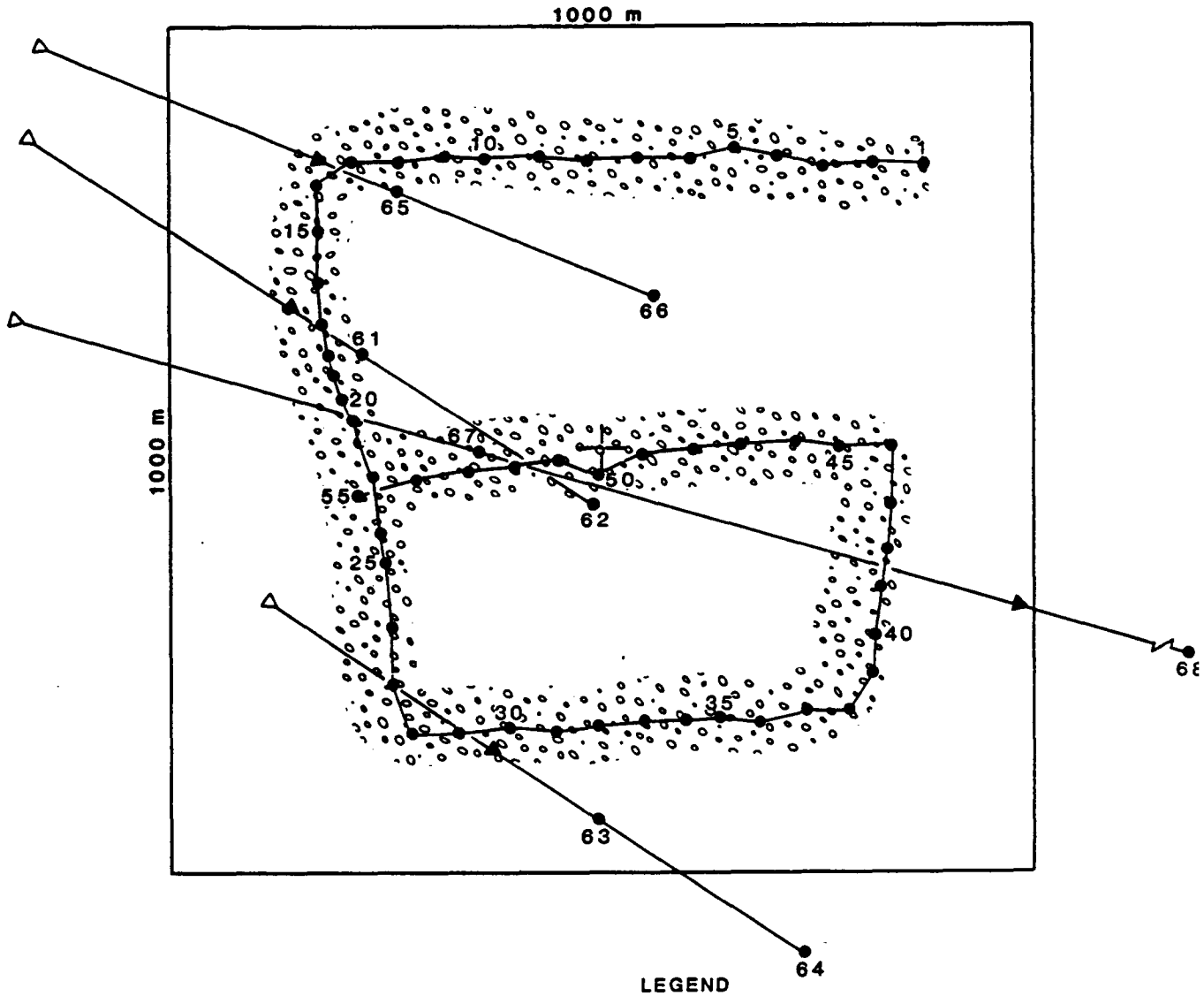


LEGEND

△	SAMPLING GEAR ON BOTTOM
▲	SAMPLING GEAR OFF BOTTOM
FIXMARK	EVENT
1/2	TRAWL
3	BOX CORE SAMPLE A
4	BOX CORE SAMPLE B
5	BOX CORE SAMPLE C
6	BOX CORE SAMPLE D
7	BOX CORE SAMPLE E
8	BOX CORE SAMPLE F
9-64	TV/STILL CAMERA LINE

⊣⊢ = LAT. 25°16.64'
LONG. 84°09.39'

STATION 37- TELEVISION/STILL CAMERA DATA AND BENTHIC SAMPLE LOCATIONS
YEAR II - CRUISE II

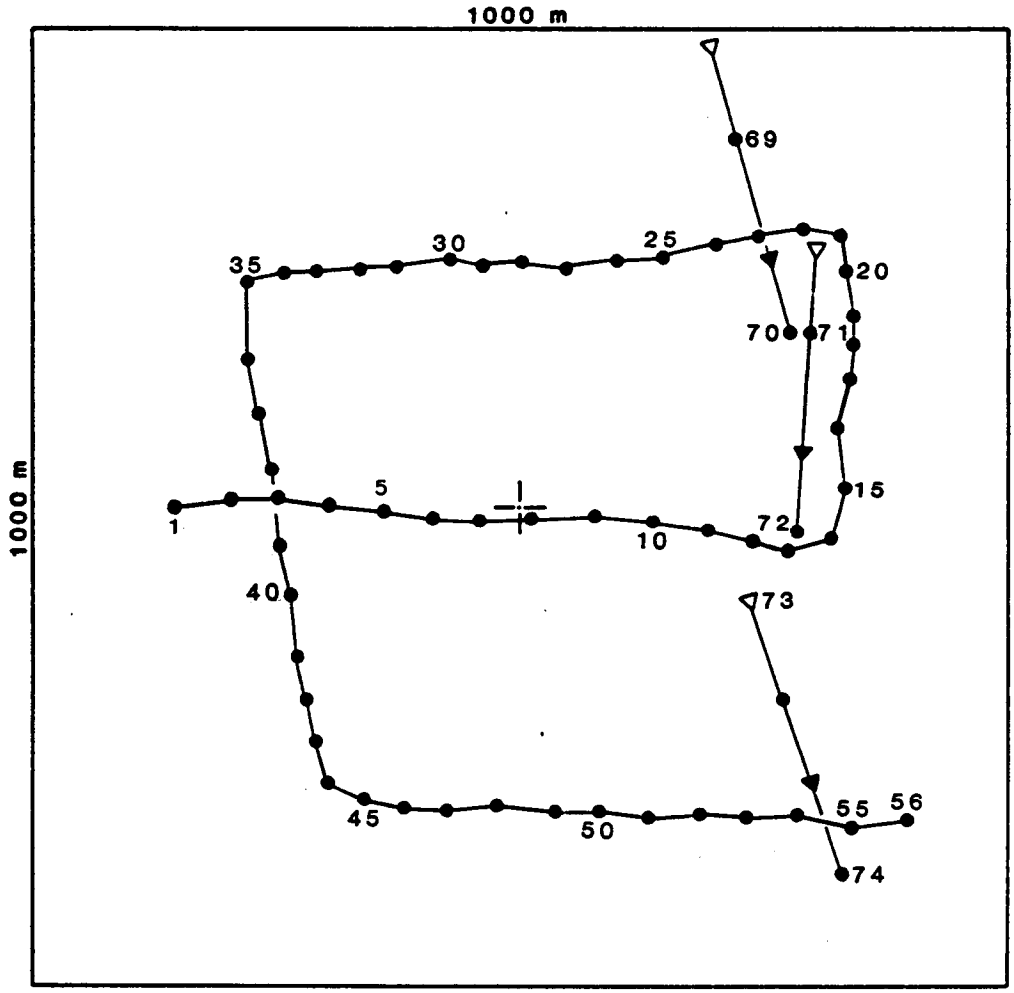


LEGEND

△	SAMPLING GEAR ON BOTTOM
▲	SAMPLING GEAR OFF BOTTOM
FIXMARK	EVENT
1-55	TV/STILL CAMERA LINE
61/62	DREDGE A
63/64	DREDGE B
65/66	DREDGE C
67/68	TRAWL

LAT. 25°16.50'
LONG. 84°14.77'

STATION 38- TELEVISION/STILL CAMERA DATA AND BENTHIC SAMPLE LOCATIONS
YEAR II - CRUISE II



ENTIRE TV TRACK IS ROCK BOTTOM

LEGEND

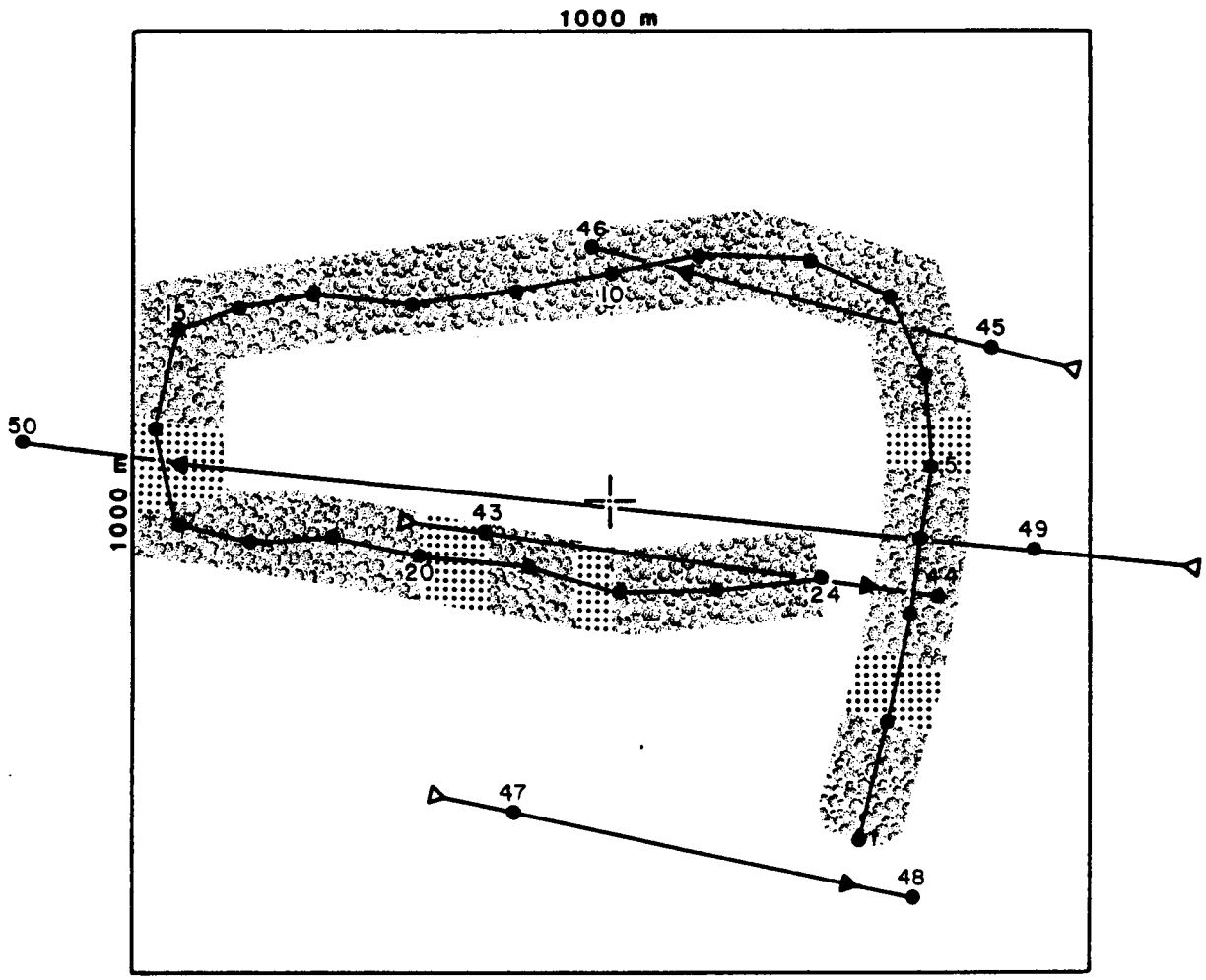
△	SAMPLING GEAR ON BOTTOM
▲	SAMPLING GEAR OFF BOTTOM
FIXMARK	EVENT
1-56	TV/STILL CAMERA LINE
69/70	ROCK DREDGE A
71/72	ROCK DREDGE B
73/74	ROCK DREDGE C

= LAT. 24°47.16'
LONG. 83°55.36'

STATION 39 - TELEVISION/STILL CAMERA DATA AND BENTHIC SAMPLE LOCATIONS
YEAR II - CRUISE II

Winter 1982 Cruise (Year II Contract)

Tract Plots

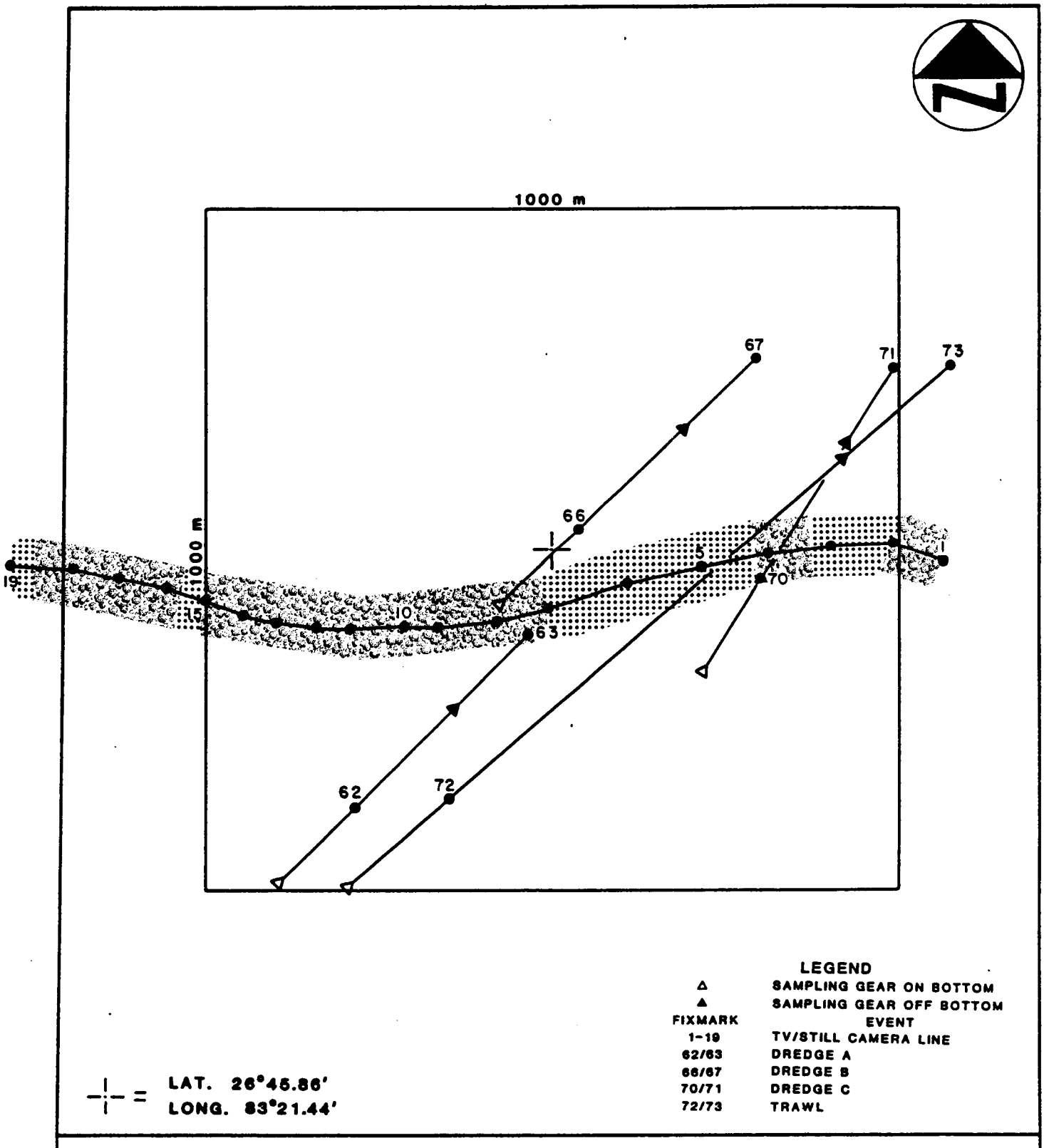


LEGEND

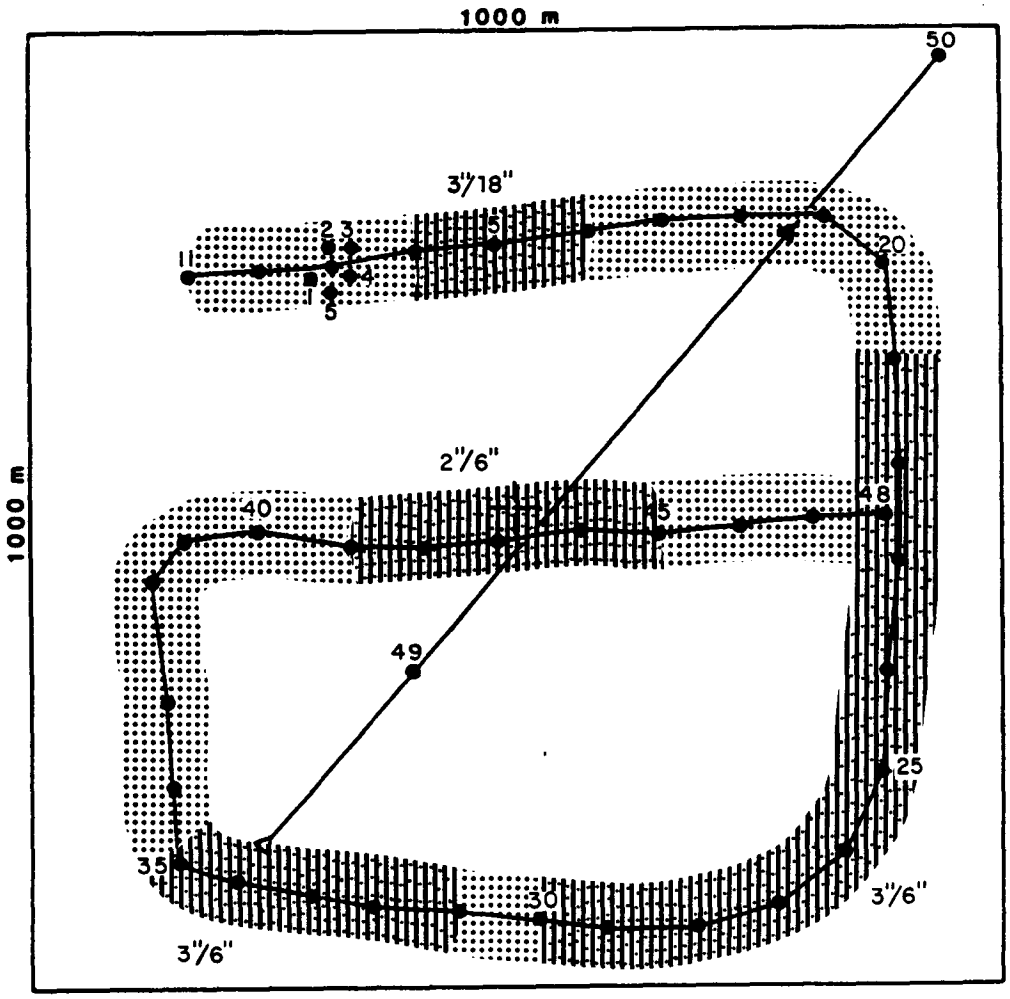
△	SAMPLING GEAR ON BOTTOM
▲	SAMPLING GEAR OFF BOTTOM
FIXMARK	EVENT
1-24	TV/STILL CAMERA LINE
43/44	DREDGE A
45/46	DREDGE B
47/48	DREDGE C
49/50	TRAWL

LAT. 26°45.77'
LONG. 82°43.11'

STATION 1 - TELEVISION/STILL CAMERA DATA AND BENTHIC SAMPLE LOCATIONS
YEAR II - CRUISE III



STATION 3 - TELEVISION/STILL CAMERA DATA AND BENTHIC SAMPLE LOCATIONS
YEAR II - CRUISE III



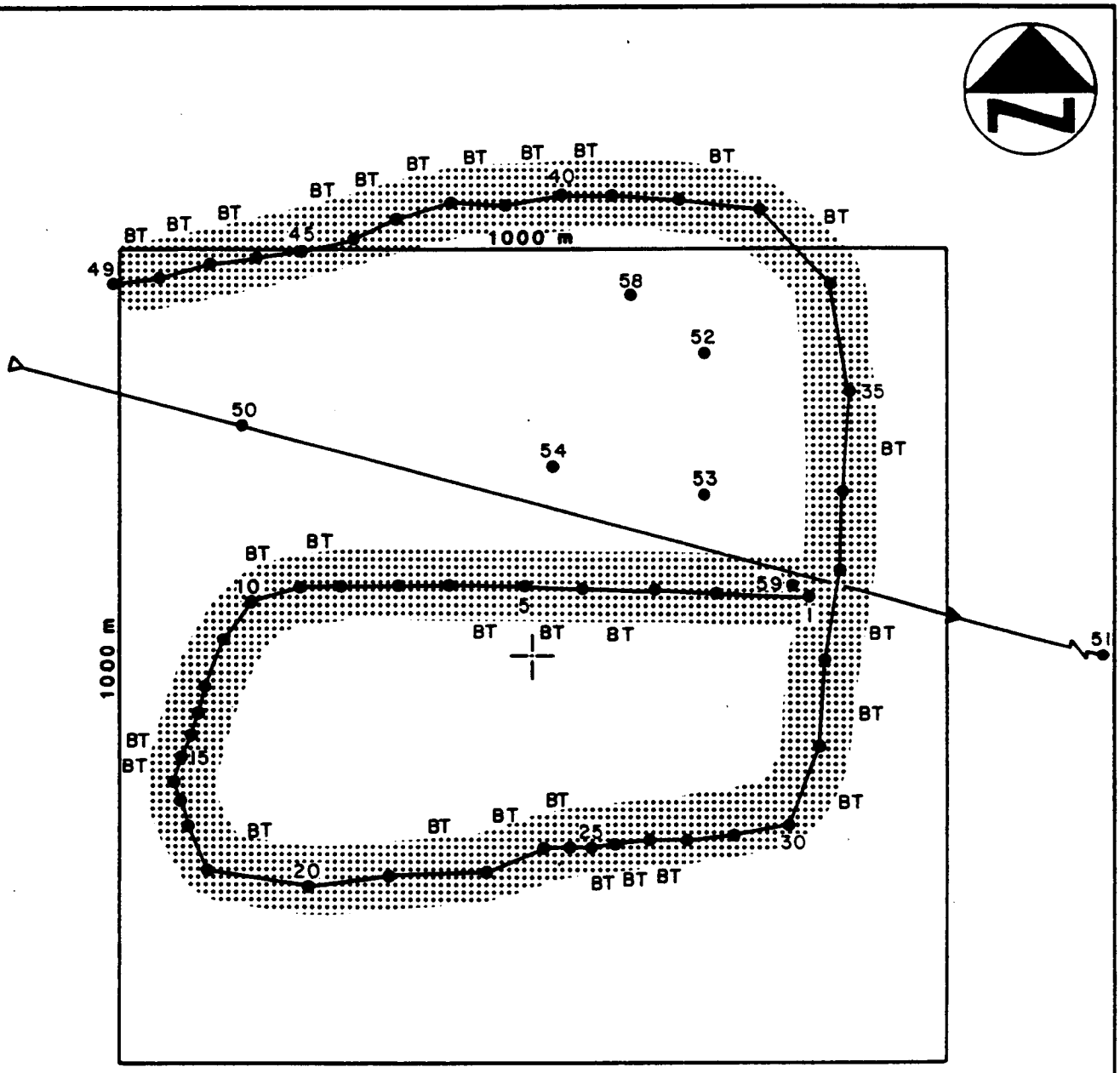
BIOTURBATION THROUGHOUT

LEGEND

△	SAMPLING GEAR ON BOTTOM
▲	SAMPLING GEAR OFF BOTTOM
FIXMARK	EVENT
1	BOX CORE SAMPLE A
2	BOX CORE SAMPLE B
3	BOX CORE SAMPLE C
4	BOX CORE SAMPLE D
5	BOX CORE SAMPLE E
11-48	TV/STILL CAMERA LINE
49/50	TRAWL

LAT. 26°45.81'
LONG. 83°32.12'

STATION 4 - TELEVISION/STILL CAMERA DATA AND BENTHIC SAMPLE LOCATIONS
YEAR II - CRUISE III

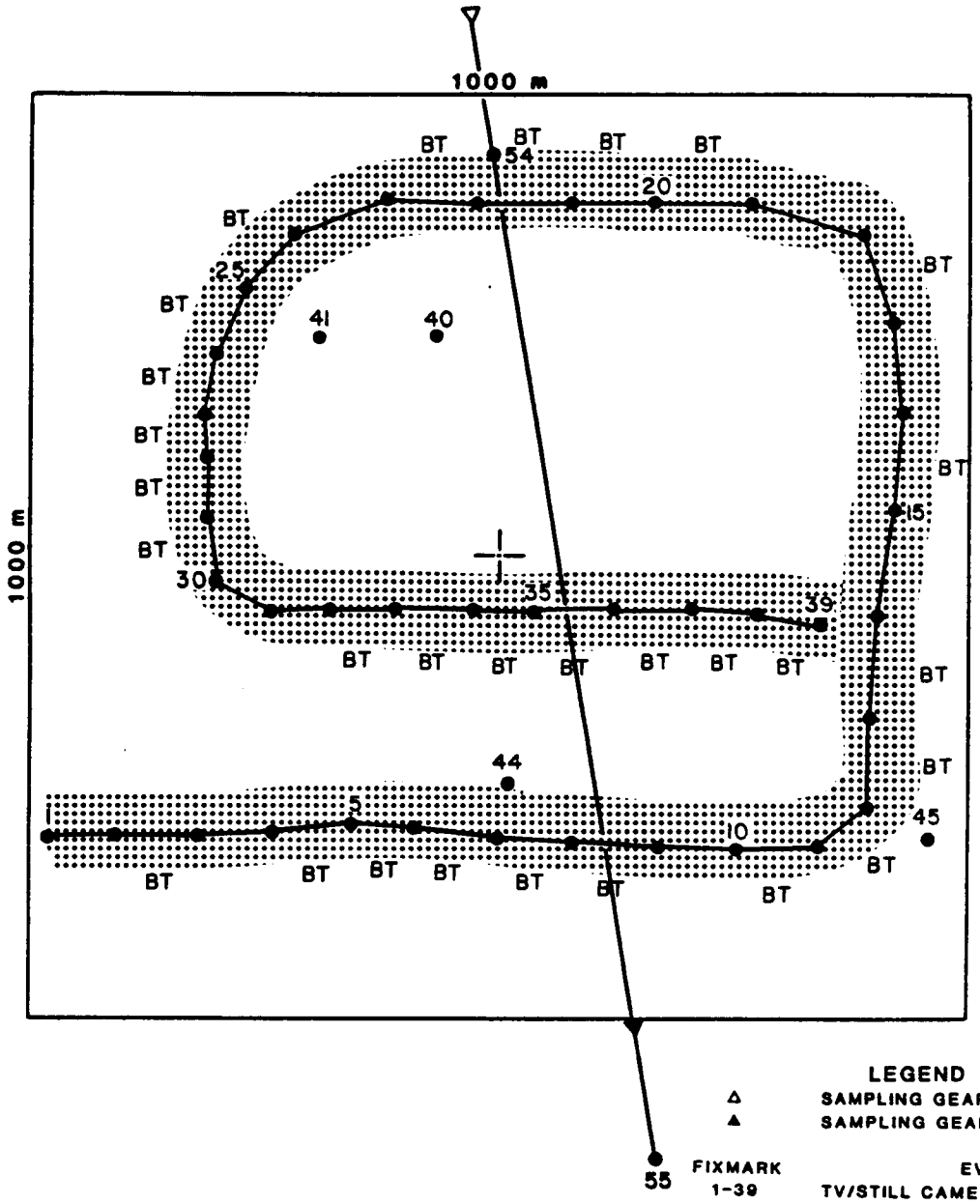


LEGEND

△	SAMPLING GEAR ON BOTTOM
▲	SAMPLING GEAR OFF BOTTOM
FIXMARK	EVENT
1-49	TV/STILL CAMERA LINE
50/51	TRAWL
52	BOX CORE SAMPLE A
53	BOX CORE SAMPLE B
54	BOX CORE SAMPLE C
58	BOX CORE SAMPLE D
59	BOX CORE SAMPLE E

LAT. 26°45.70'
LONG. 84°00.13'

STATION 5 - TELEVISION/STILL CAMERA DATA AND BENTHIC SAMPLE LOCATIONS
YEAR II - CRUISE III



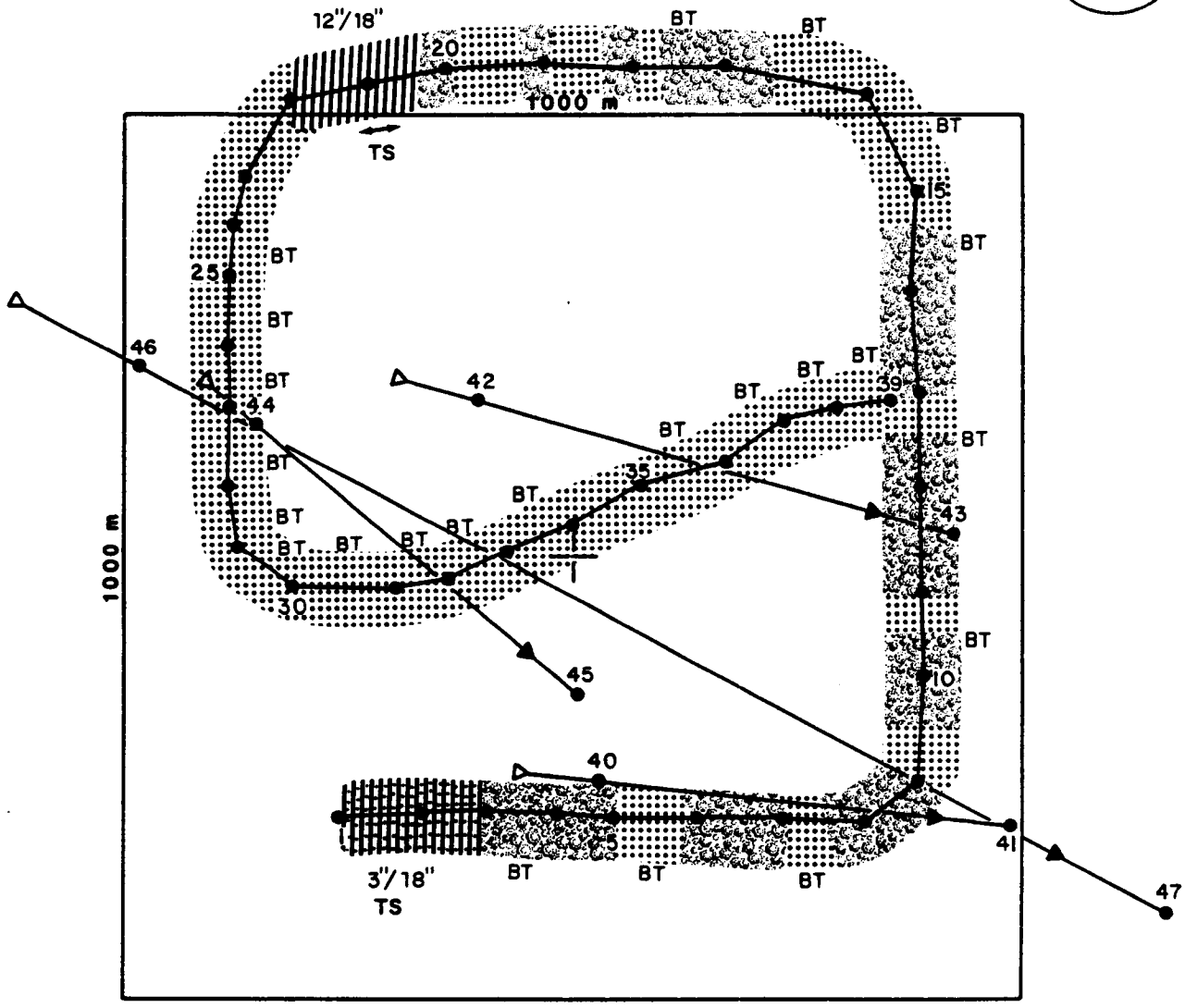
LEGEND

△	SAMPLING GEAR ON BOTTOM
▲	SAMPLING GEAR OFF BOTTOM

FIXMARK	EVENT
1-39	TV/STILL CAMERA LINE
40	BOX CORE SAMPLE A
45	BOX CORE SAMPLE B
41	BOX CORE SAMPLE C
44	BOX CORE SAMPLE D
54/55	TRAWL

LAT. 26°16.79'
LONG. 82°38.35'

STATION 6 - TELEVISION/STILL CAMERA DATA AND BENTHIC SAMPLE LOCATIONS
YEAR II - CRUISE III

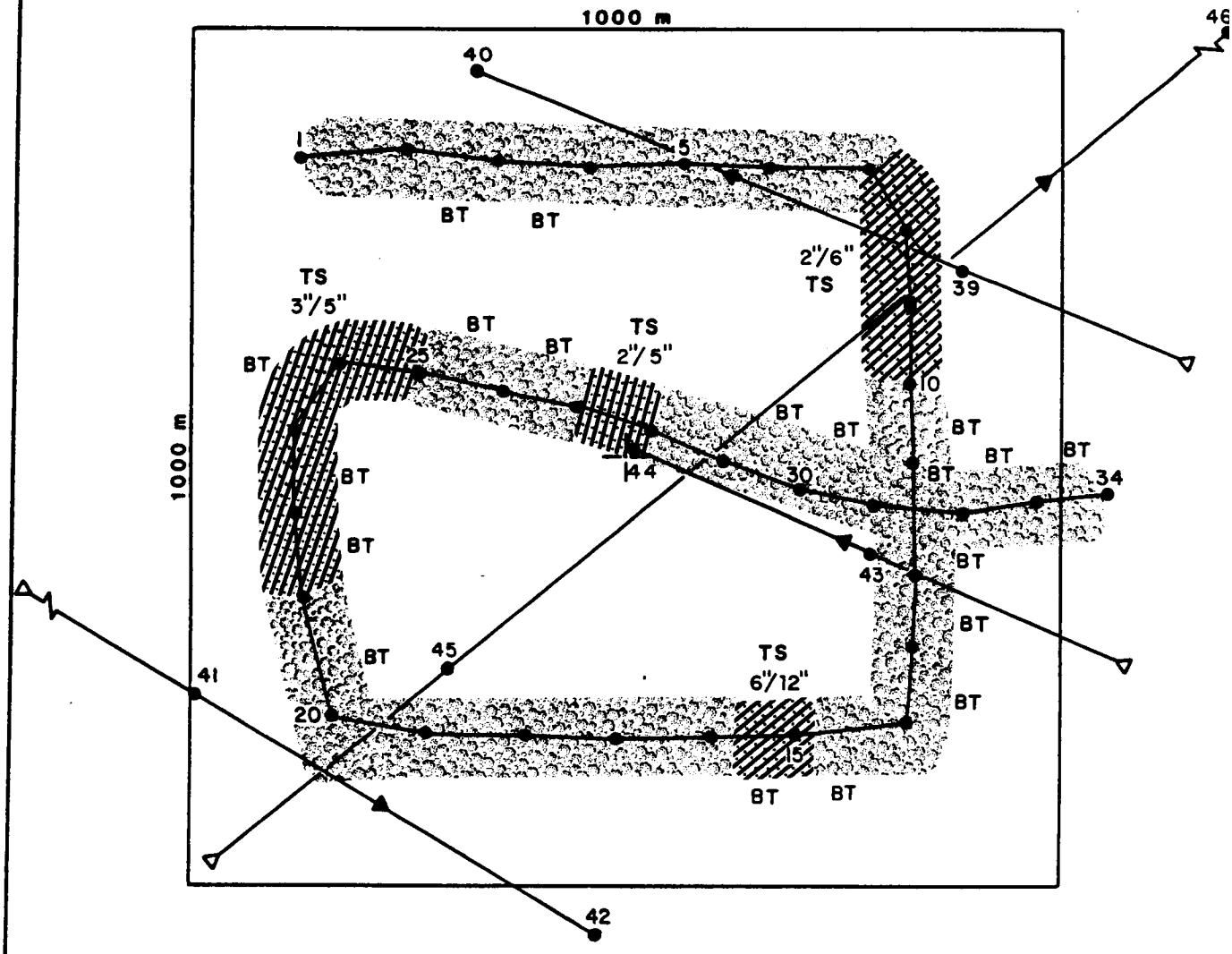


LEGEND

△	SAMPLING GEAR ON BOTTOM
▲	SAMPLING GEAR OFF BOTTOM
FIXMARK	EVENT
1-39	TV/STILL CAMERA LINE
40/41	DREDGE A
42/43	DREDGE B
44/45	DREDGE C
46/47	TRAWL

LAT. 26°16.82'
LONG. 82°44.02'

STATION 7 - TELEVISION/STILL CAMERA DATA AND BENTHIC SAMPLE LOCATIONS
YEAR II - CRUISE III

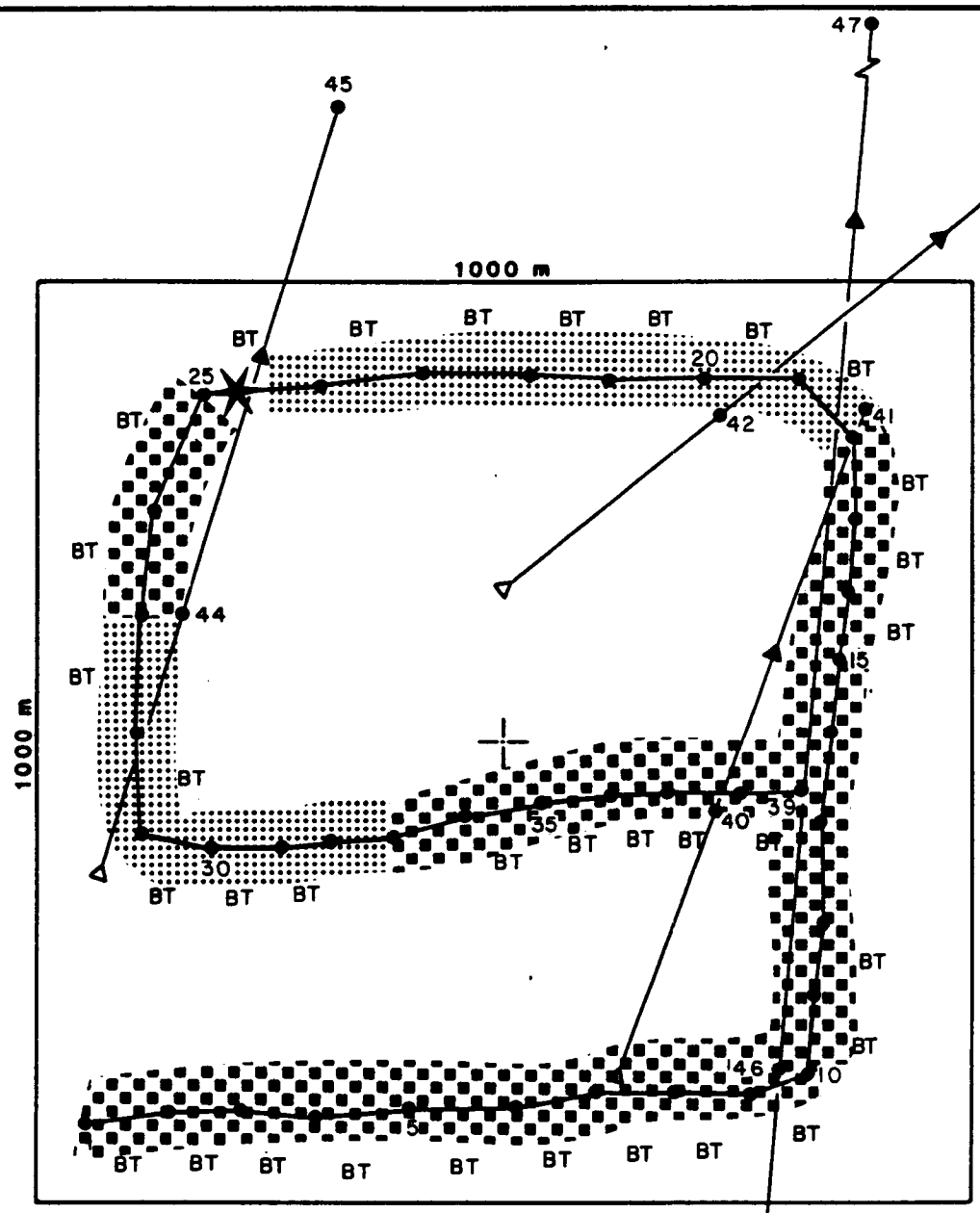


LEGEND

△	SAMPLING GEAR ON BOTTOM
▲	SAMPLING GEAR OFF BOTTOM
FIXMARK	EVENT
1-34	TV/STILL CAMERA LINE
39/40	DREDGE A
41/42	DREDGE B
43/44	DREDGE C
45/46	TRAWL

LAT. 26°16.83'
LONG. 83°23.81'

STATION 9 - TELEVISION/STILL CAMERA DATA AND BENTHIC SAMPLE LOCATIONS
YEAR II - CRUISE III

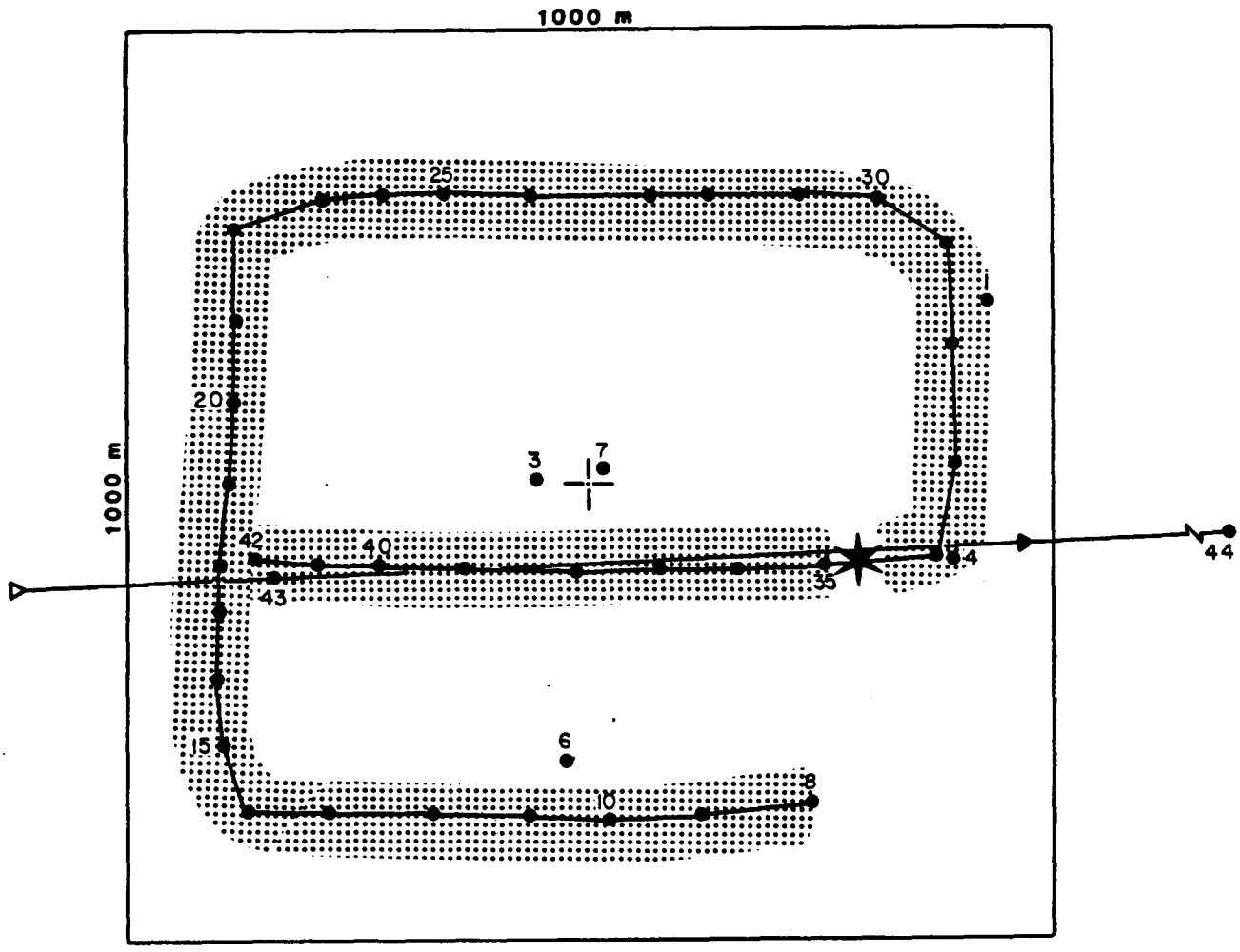


LEGEND

△	SAMPLING GEAR ON BOTTOM
▲	SAMPLING GEAR OFF BOTTOM
FIXMARK	EVENT
1-39	TV/STILL CAMERA LINE
40/41	DREDGE A
42/43	DREDGE B
44/45	DREDGE C
46/47	TRAWL

LAT. 26°16.72′
LONG. 83°46.82′

STATION 11 - TELEVISION/STILL CAMERA DATA AND BENTHIC SAMPLE LOCATIONS
YEAR II - CRUISE III

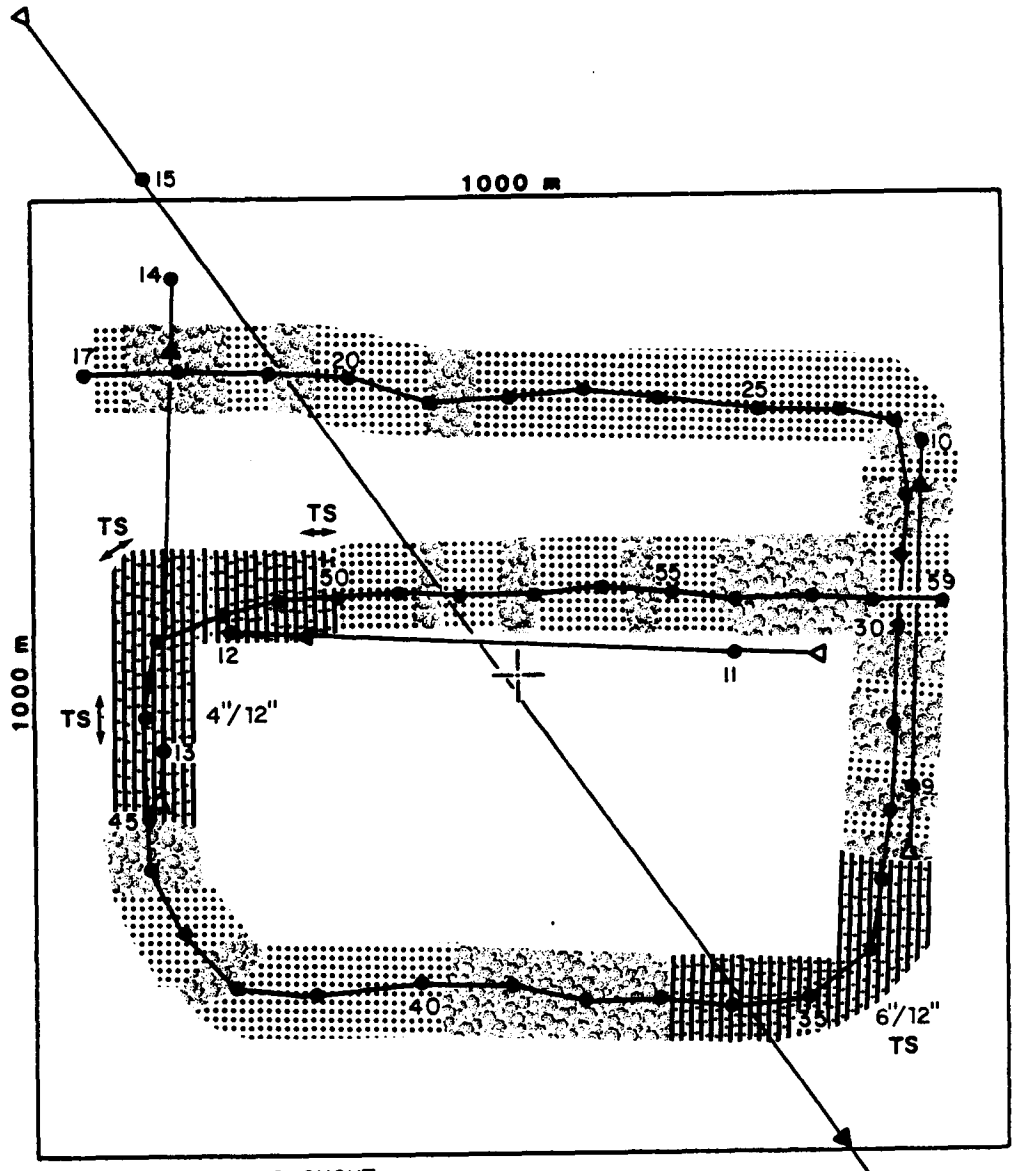


LEGEND

△	SAMPLING GEAR ON BOTTOM
▲	SAMPLING GEAR OFF BOTTOM
FIXMARK	EVENT
1	BOX CORE SAMPLE A
3	BOX CORE SAMPLE B
4	BOX CORE SAMPLE C
6	BOX CORE SAMPLE D
7	BOX CORE SAMPLE E
8-42	TV/STILL CAMERA LINE
43/44	TRAWL

= LAT. 26°16.72'
LONG. 83°47.67'

STATION 12 - TELEVISION/STILL CAMERA DATA AND BENTHIC SAMPLE LOCATIONS
YEAR II - CRUISE III

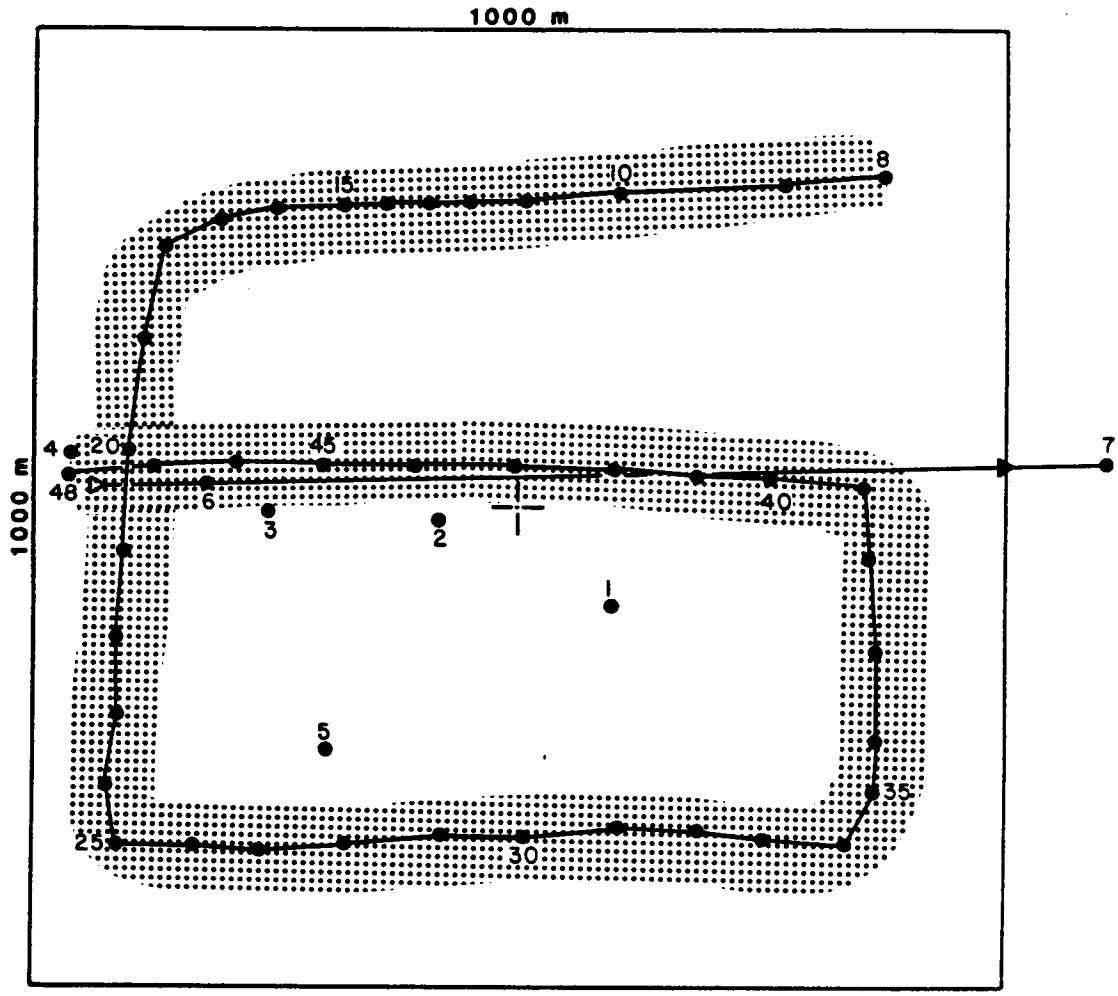


LEGEND

△	SAMPLING GEAR ON BOTTOM
▲	SAMPLING GEAR OFF BOTTOM
FIXMARK	EVENT
17-59	TV/STILL CAMERA LINE
9/10	DREDGE A
11/12	DREDGE B
13/14	DREDGE C
15/16	TRAWL

LAT. 25°45.93'
LONG. 82°09.35'

STATION 13 - TELEVISION/STILL CAMERA DATA AND BENTHIC SAMPLE LOCATIONS
YEAR II - CRUISE III



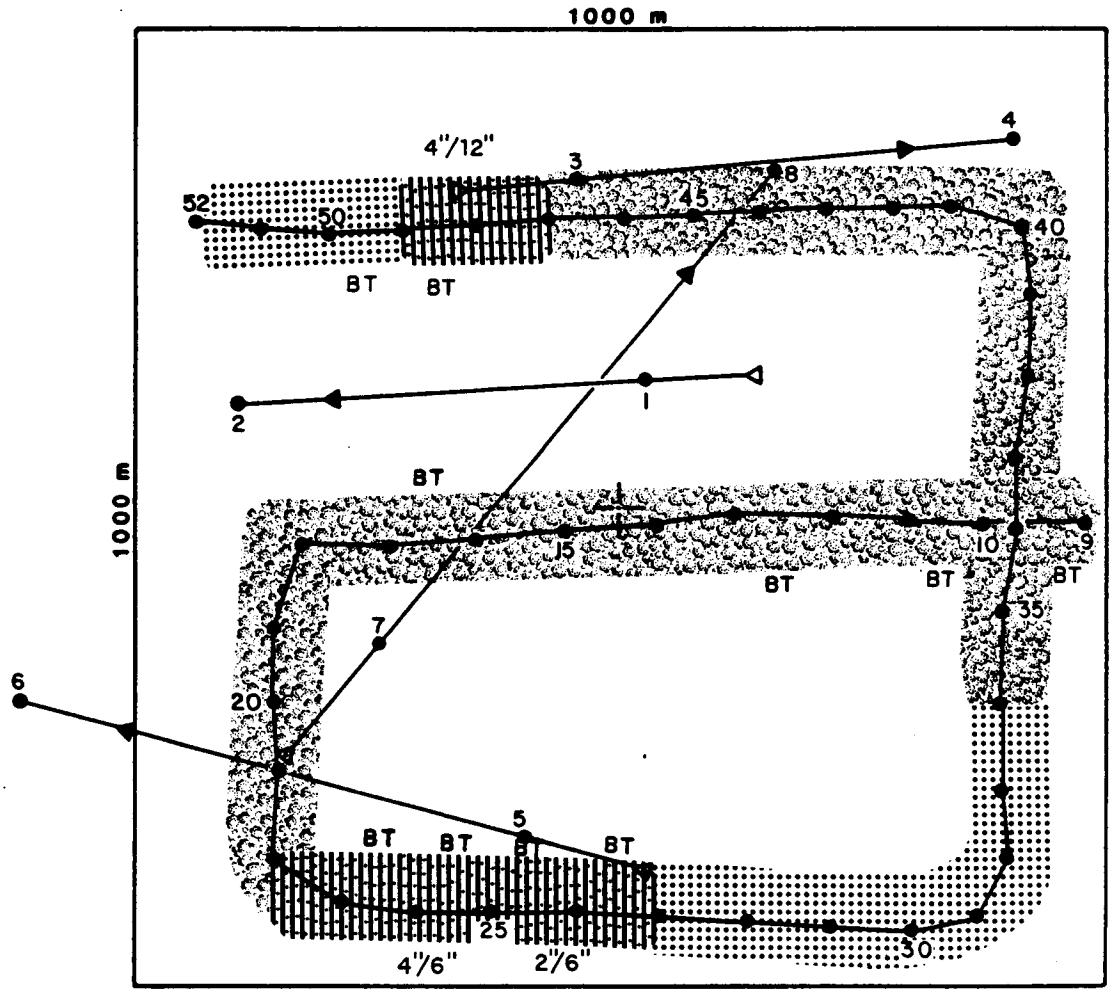
BIOTURBATION THROUGHOUT

LEGEND

△	SAMPLING GEAR ON BOTTOM
▲	SAMPLING GEAR OFF BOTTOM
FIXMARK	EVENT
1	BOX CORE SAMPLE A
2	BOX CORE SAMPLE B
3	BOX CORE SAMPLE C
4	BOX CORE SAMPLE D
5	BOX CORE SAMPLE E
6/7	TRAWL
8-48	TV/STILL CAMERA LINE

= LAT. 25°46.01'
LONG. 82°23.82'

STATION 14 - TELEVISION/STILL CAMERA DATA AND BENTHIC SAMPLE LOCATIONS
YEAR II - CRUISE III

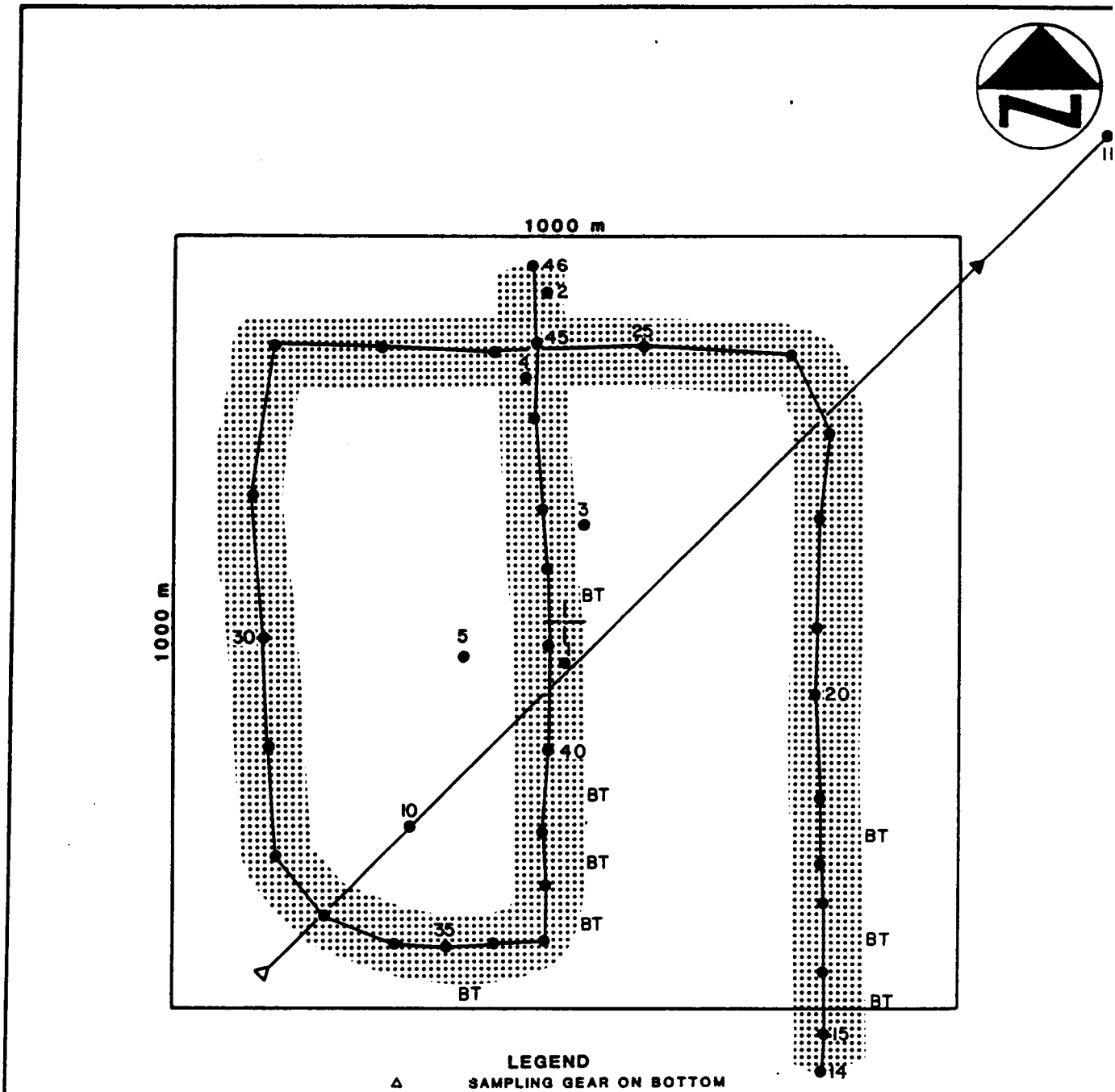


LEGEND

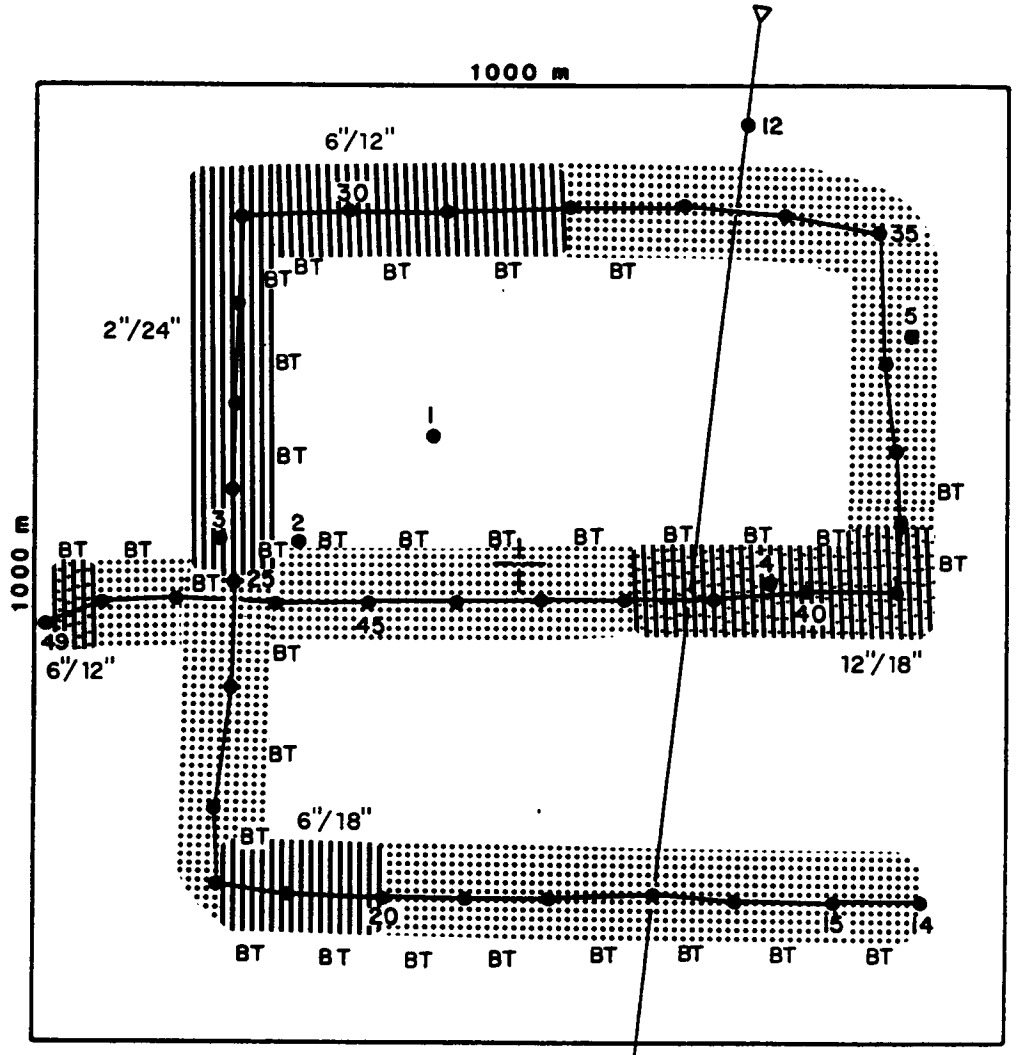
△	SAMPLING GEAR ON BOTTOM
▲	SAMPLING GEAR OFF BOTTOM
FIXMARK	EVENT
9-52	TV/STILL CAMERA LINE
1/2	DREDGE A
3/4	DREDGE B
5/6	DREDGE C
7/8	TRAWL

LAT. 25°45.89'
LONG. 82°31.62'

STATION 15 - TELEVISION/STILL CAMERA DATA AND BENTHIC SAMPLE LOCATIONS
YEAR II - CRUISE III



STATION 16 - TELEVISION/STILL CAMERA DATA AND BENTHIC SAMPLE LOCATIONS
YEAR II - CRUISE III

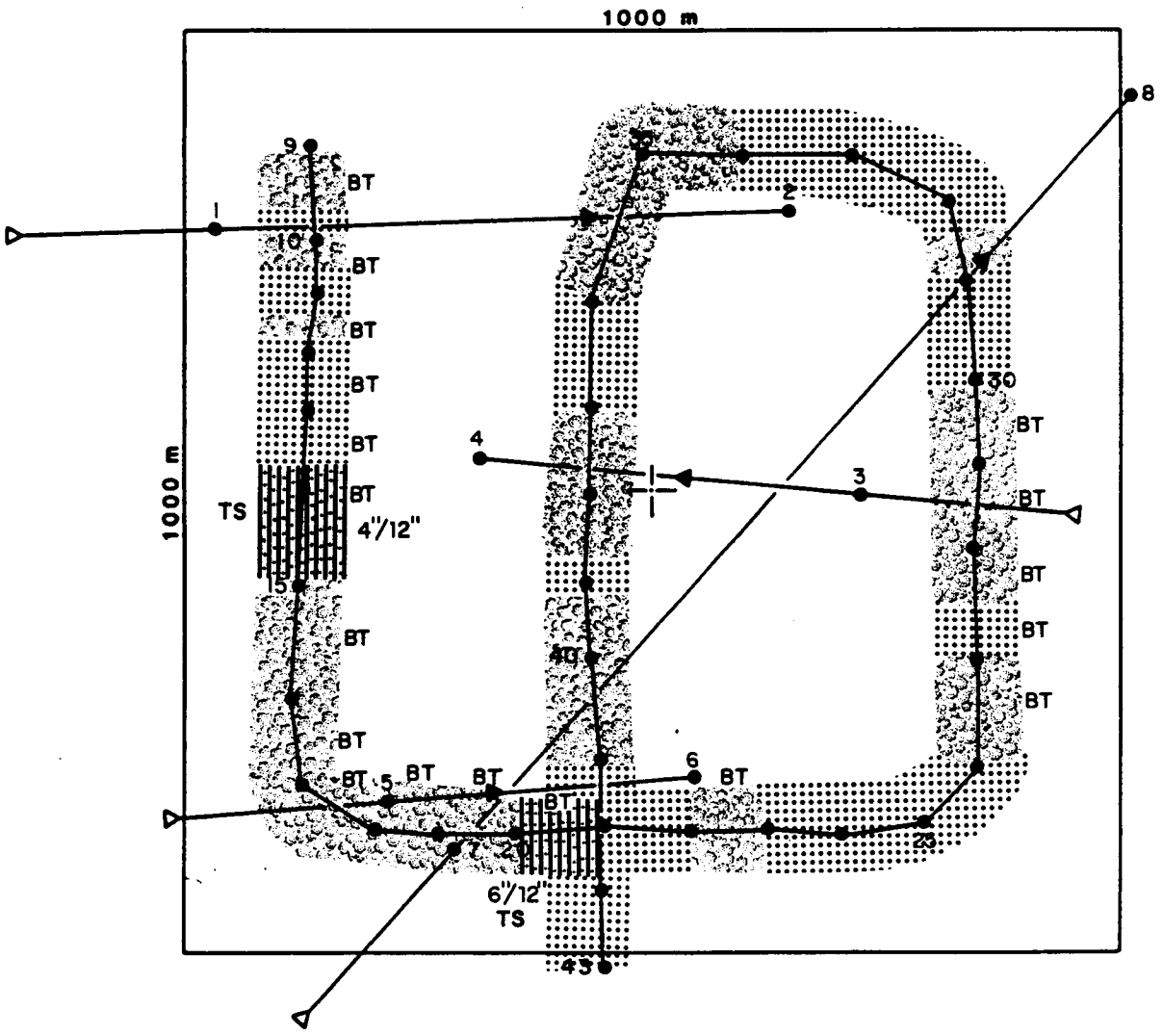


LEGEND

△	SAMPLING GEAR ON BOTTOM
▲	SAMPLING GEAR OFF BOTTOM
FIXMARK	EVENT
1	BOX CORE SAMPLE A
2	BOX CORE SAMPLE B
3	BOX CORE SAMPLE C
4	BOX CORE SAMPLE D
5	BOX CORE SAMPLE E
12/13	TRAWL
14-49	TV/STILL CAMERA LINE

LAT. 25°17.34'
LONG. 82°09.73'

STATION 20 - TELEVISION/STILL CAMERA DATA AND BENTHIC SAMPLE LOCATIONS
YEAR II - CRUISE III

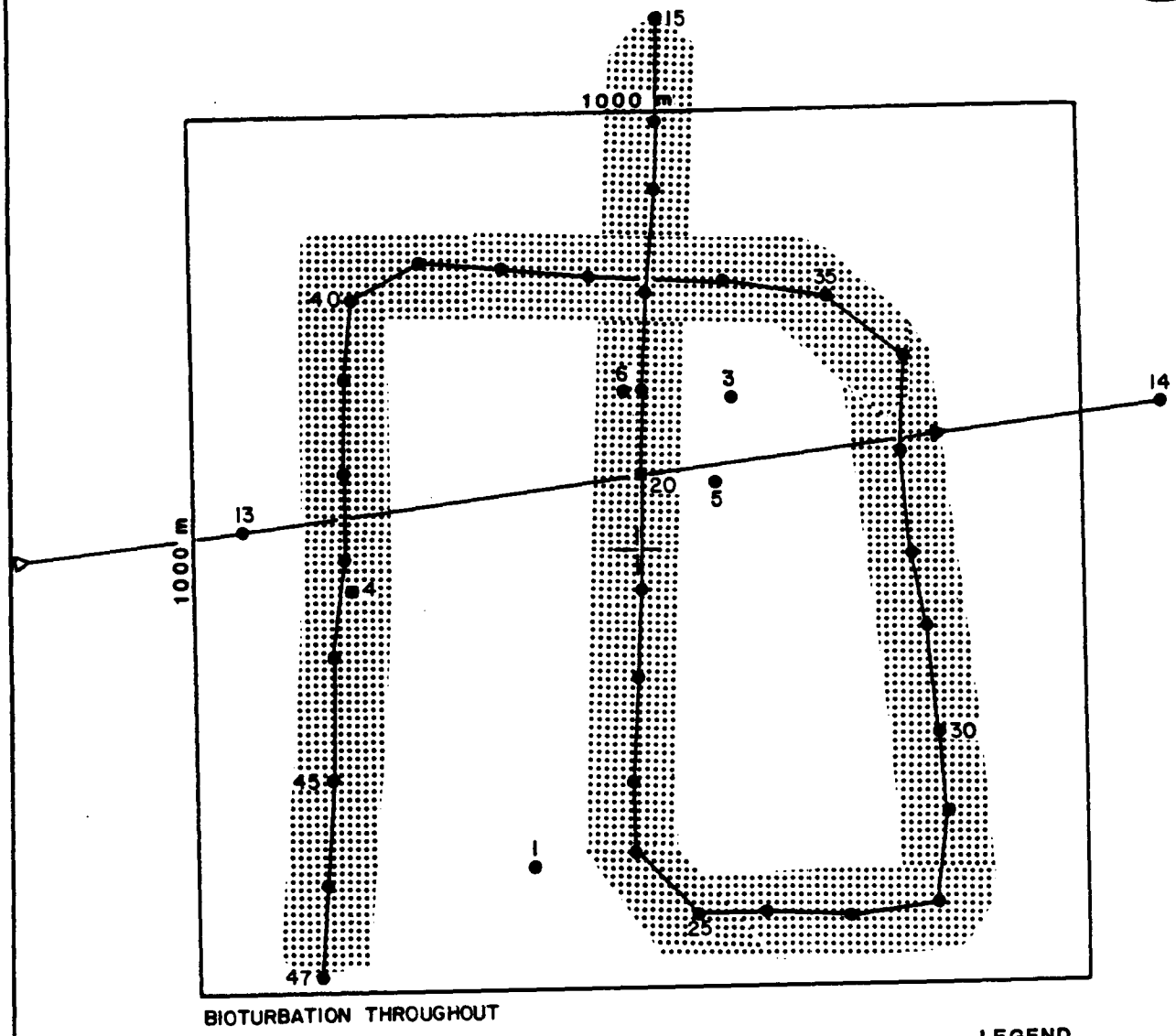


LEGEND

△	SAMPLING GEAR ON BOTTOM
▲	SAMPLING GEAR OFF BOTTOM
FIXMARK	EVENT
9-43	TV/STILL CAMERA LINE
1/2	DREDGE A
3/4	DREDGE B
5/6	DREDGE C
7/8	TRAWL

= LAT. 25°17.26′
LONG. 82°52.16′

STATION 21- TELEVISION/STILL CAMERA DATA AND BENTHIC SAMPLE LOCATIONS
YEAR II - CRUISE III

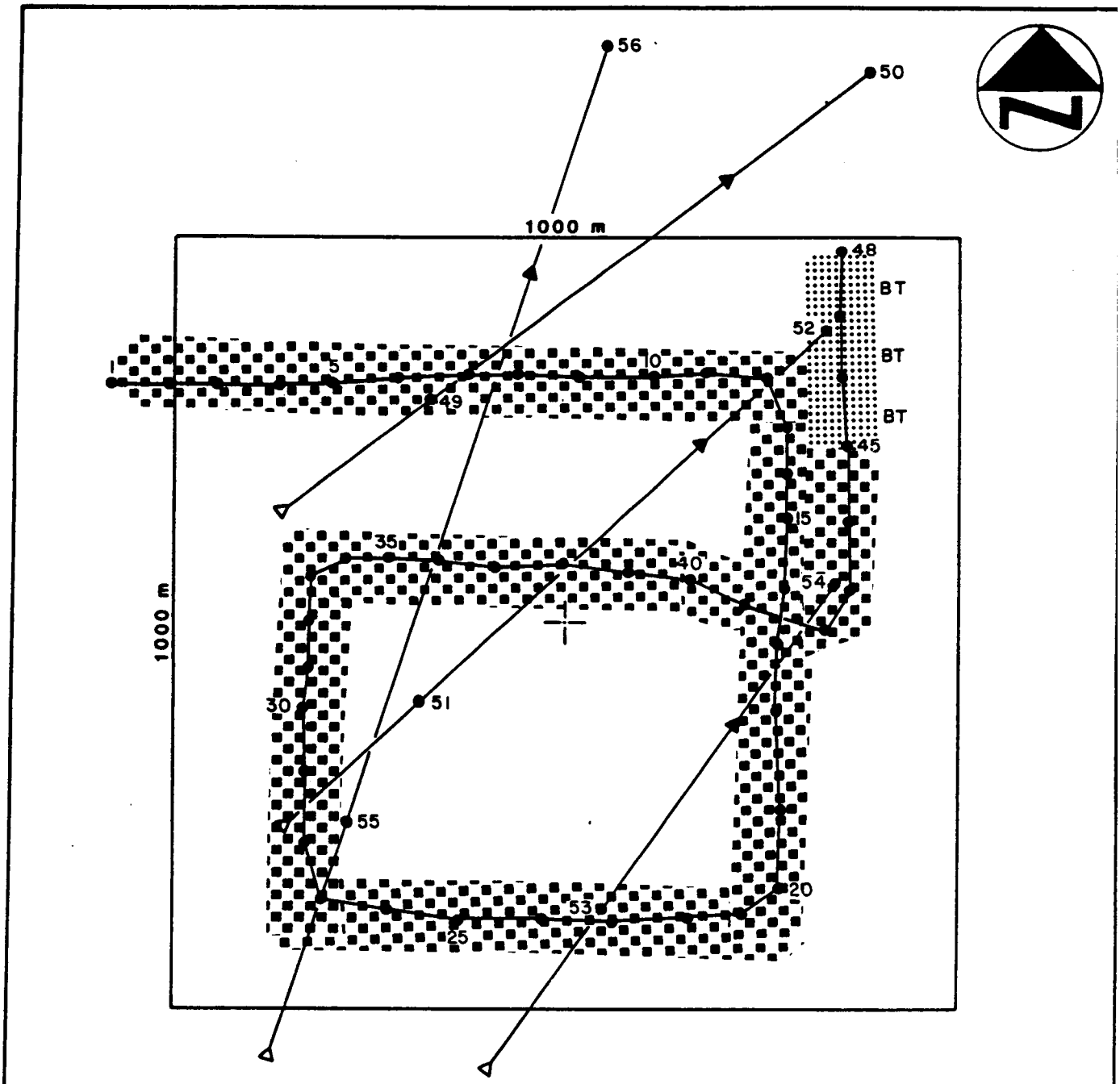


LEGEND

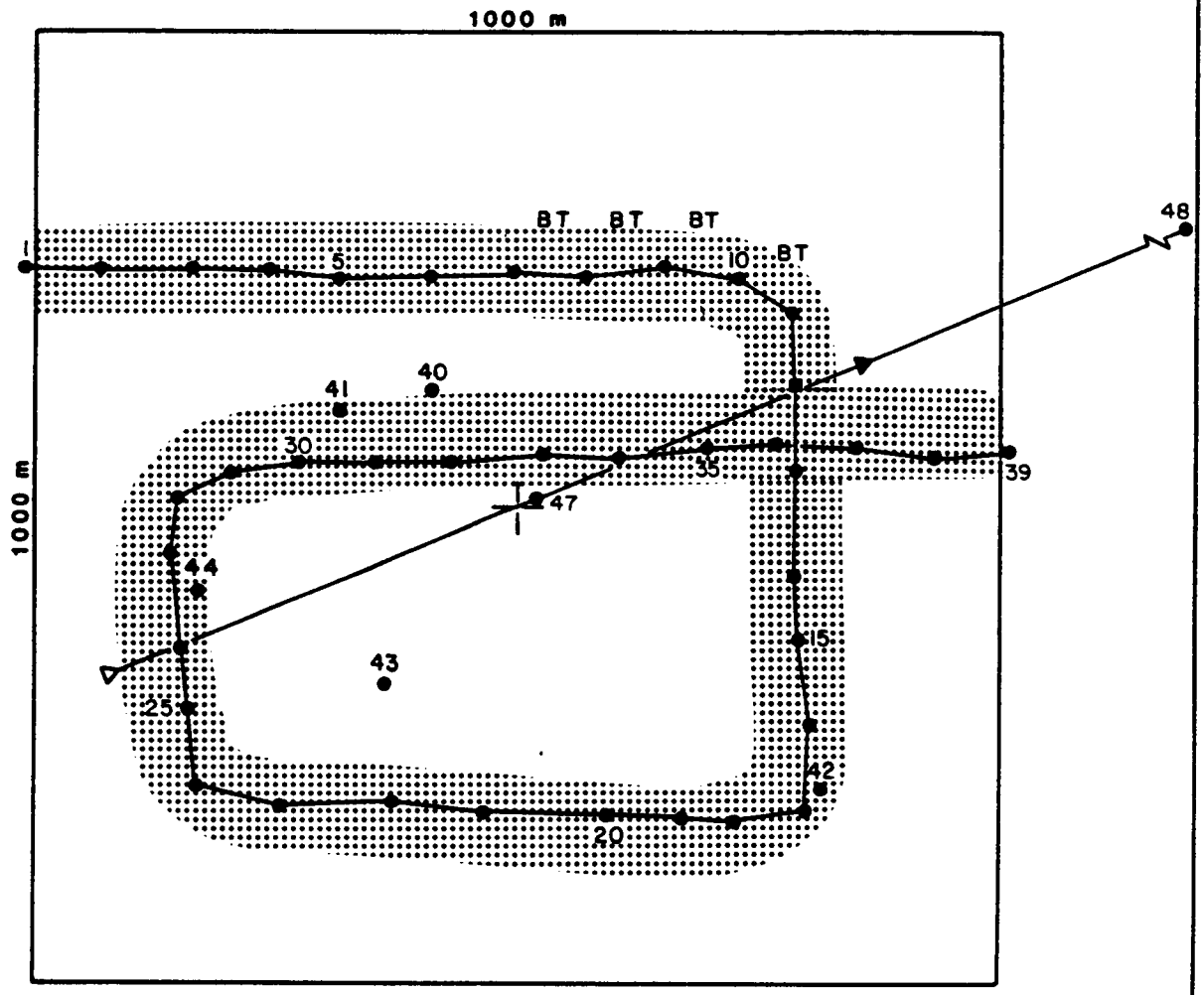
△	SAMPLING GEAR ON BOTTOM
▲	SAMPLING GEAR OFF BOTTOM
FIXMARK	EVENT
1	BOX CORE SAMPLE A
3	BOX CORE SAMPLE B
4	BOX CORE SAMPLE C
5	BOX CORE SAMPLE D
6	BOX CORE SAMPLE E
13/14	TRAWL
15–47	TV/STILL CAMERA LINE

LAT. 25°17.18′
LONG. 83°02.07′

STATION 22 - TELEVISION/STILL CAMERA DATA AND BENTHIC SAMPLE LOCATIONS
YEAR II - CRUISE III



STATION 23 - TELEVISION/STILL CAMERA DATA AND BENTHIC SAMPLE LOCATIONS
YEAR II - CRUISE III



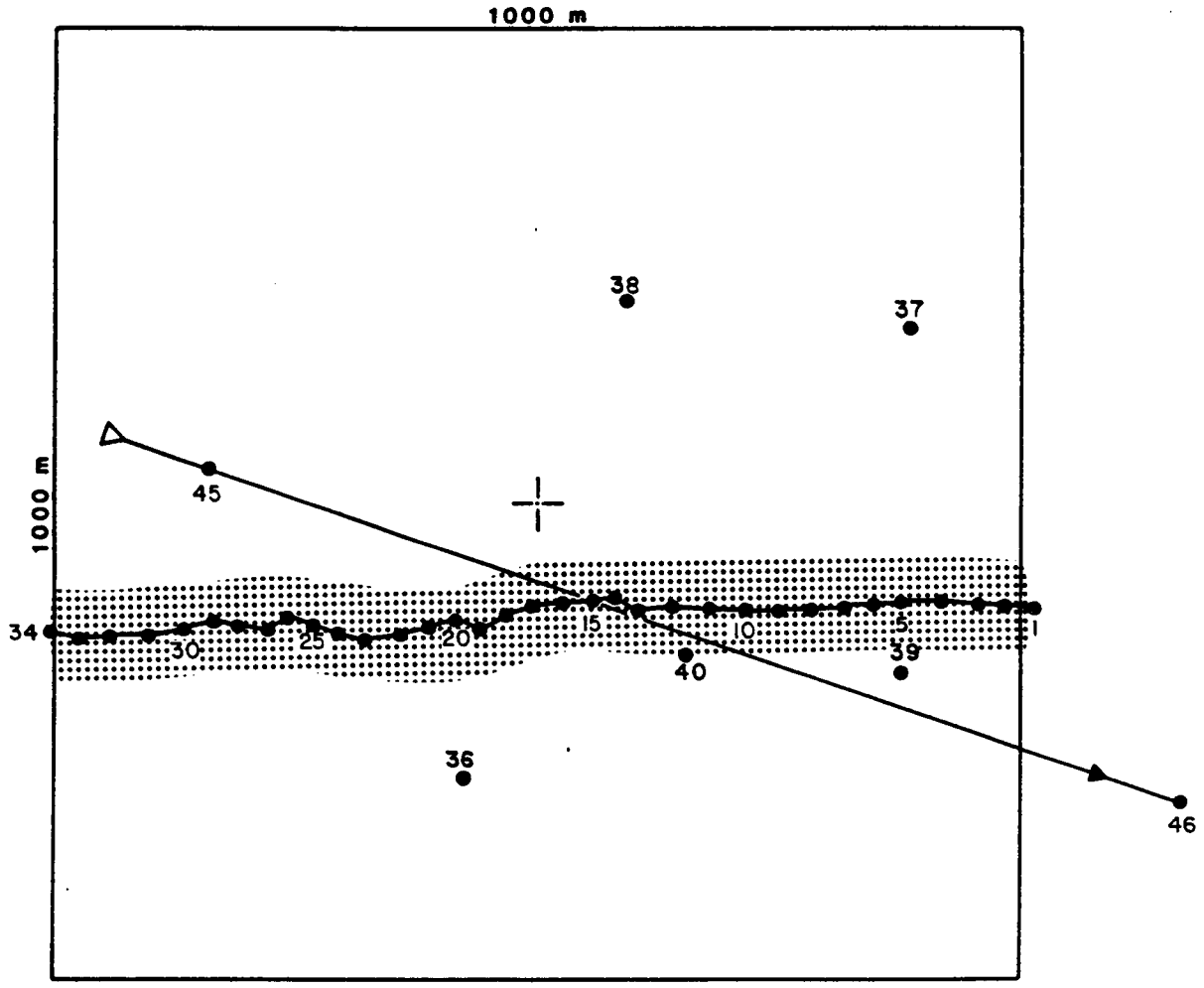
LEGEND

△	SAMPLING GEAR ON BOTTOM
▲	SAMPLING GEAR OFF BOTTOM

FIXMARK	EVENT
1-39	TV/STILL CAMERA LINE
40	BOX CORE SAMPLE A
41	BOX CORE SAMPLE B
42	BOX CORE SAMPLE C
43	BOX CORE SAMPLE D
44	BOX CORE SAMPLE E
47/48	TRAWL

LAT. 25°16.90'
LONG. 83°43.18'

STATION 24 - TELEVISION/STILL CAMERA DATA AND BENTHIC SAMPLE LOCATIONS
YEAR II - CRUISE III



BIOTURBATION THROUGHOUT

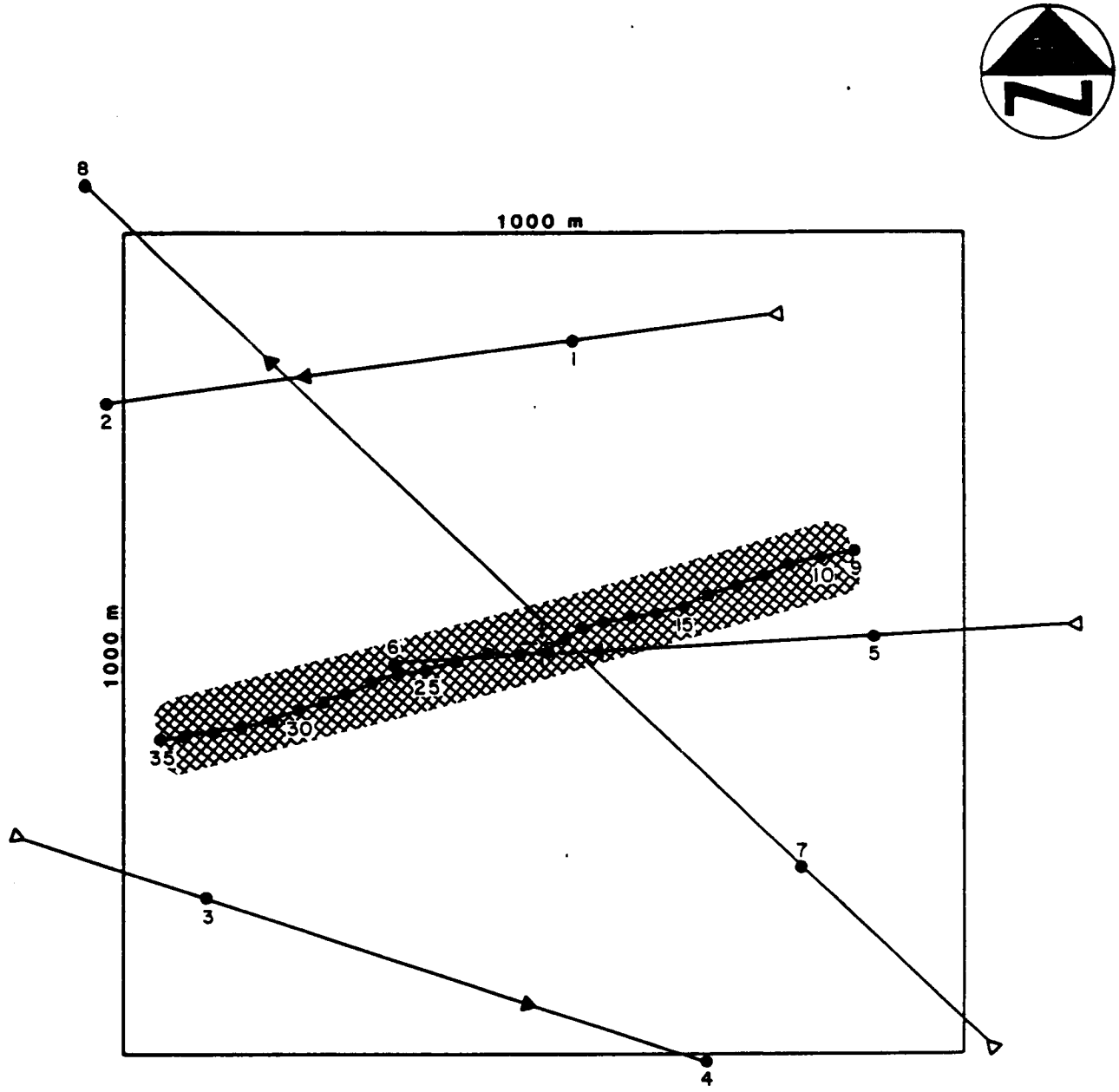
LEGEND

△	SAMPLING GEAR ON BOTTOM
▲	SAMPLING GEAR OFF BOTTOM

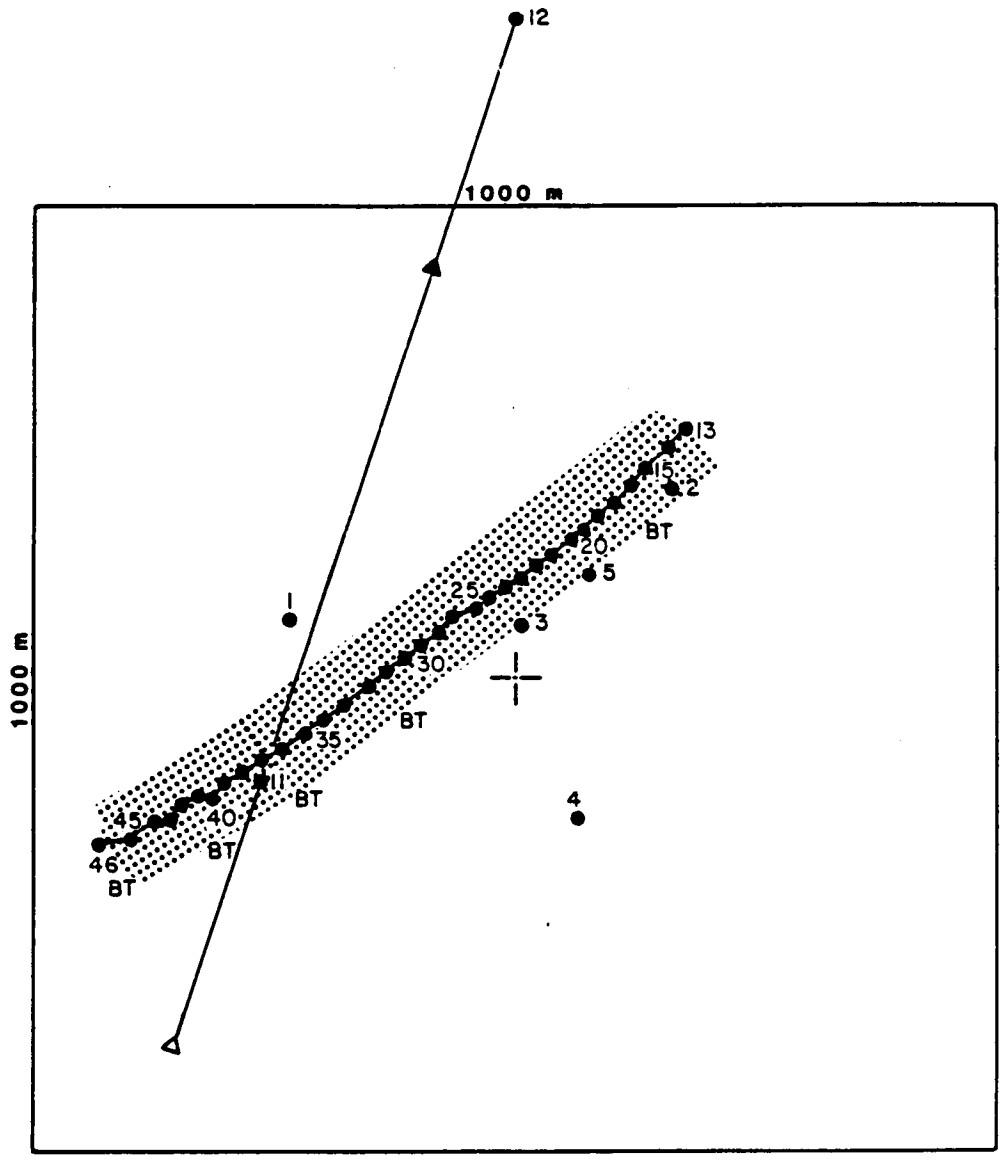
FIXMARK	EVENT
1-34	TV/STILL CAMERA LINE
36	BOX CORE SAMPLE A
37	BOX CORE SAMPLE B
38	BOX CORE SAMPLE C
39	BOX CORE SAMPLE D
40	BOX CORE SAMPLE E
45/46	TRAWL

= LAT. 24°47.95'
LONG. 82°13.26'

STATION 25 - TELEVISION/STILL CAMERA DATA AND BENTHIC SAMPLE LOCATIONS
YEAR II - CRUISE III



STATION 29 - TELEVISION/STILL CAMERA DATA AND BENTHIC SAMPLE LOCATIONS
YEAR II - CRUISE III

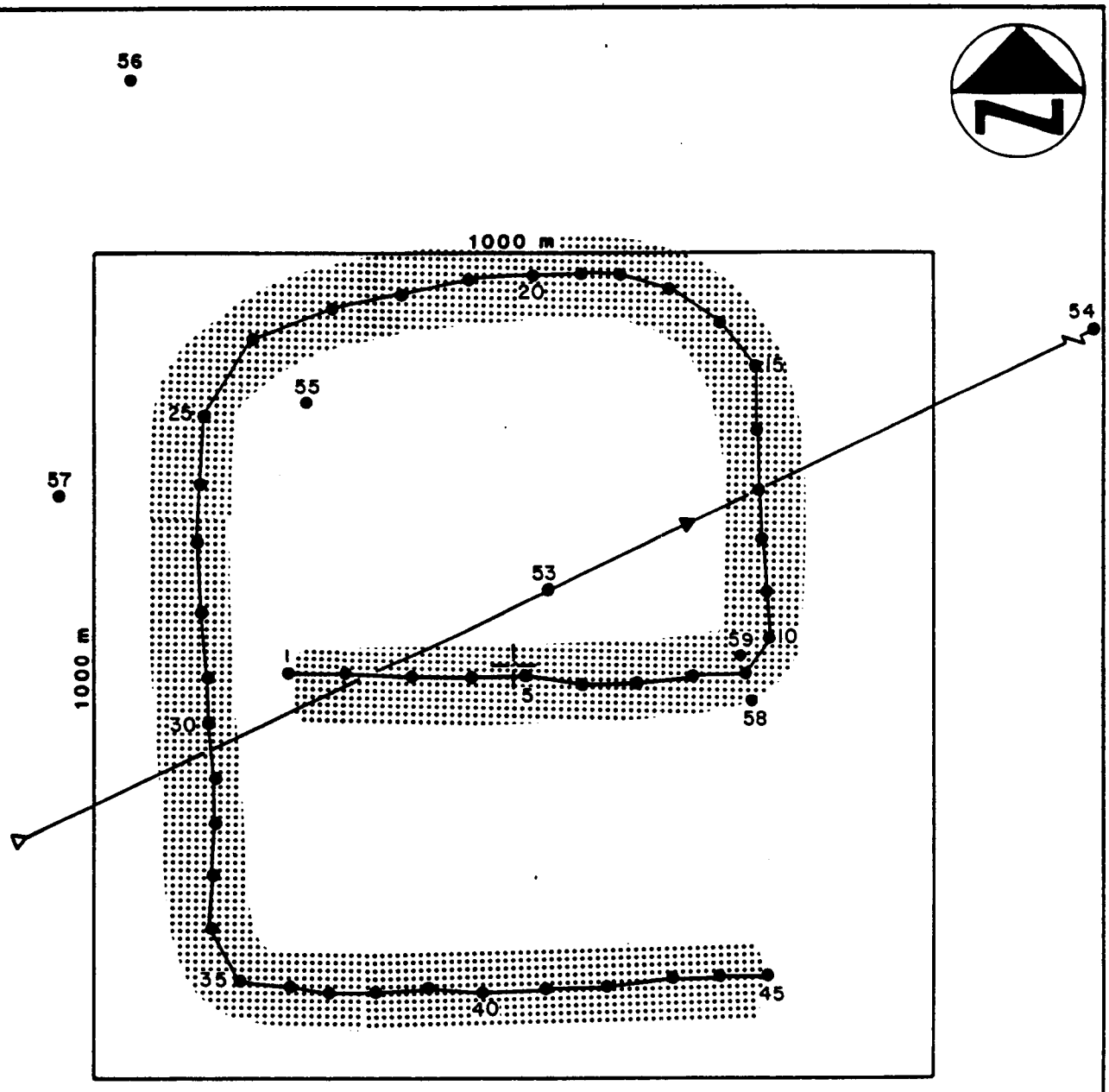


LEGEND

△	SAMPLING GEAR ON BOTTOM
▲	SAMPLING GEAR OFF BOTTOM
FIXMARK	EVENT
1	BOX CORE SAMPLE A
2	BOX CORE SAMPLE B
3	BOX CORE SAMPLE C
4	BOX CORE SAMPLE D
5	BOX CORE SAMPLE E
11/12	TRAWL
13-46	TV/STILL CAMERA LINE

= LAT. 24°47.11'
LONG. 83°13.08'

STATION 28 - TELEVISION/STILL CAMERA DATA AND BENTHIC SAMPLE LOCATIONS
YEAR II - CRUISE III



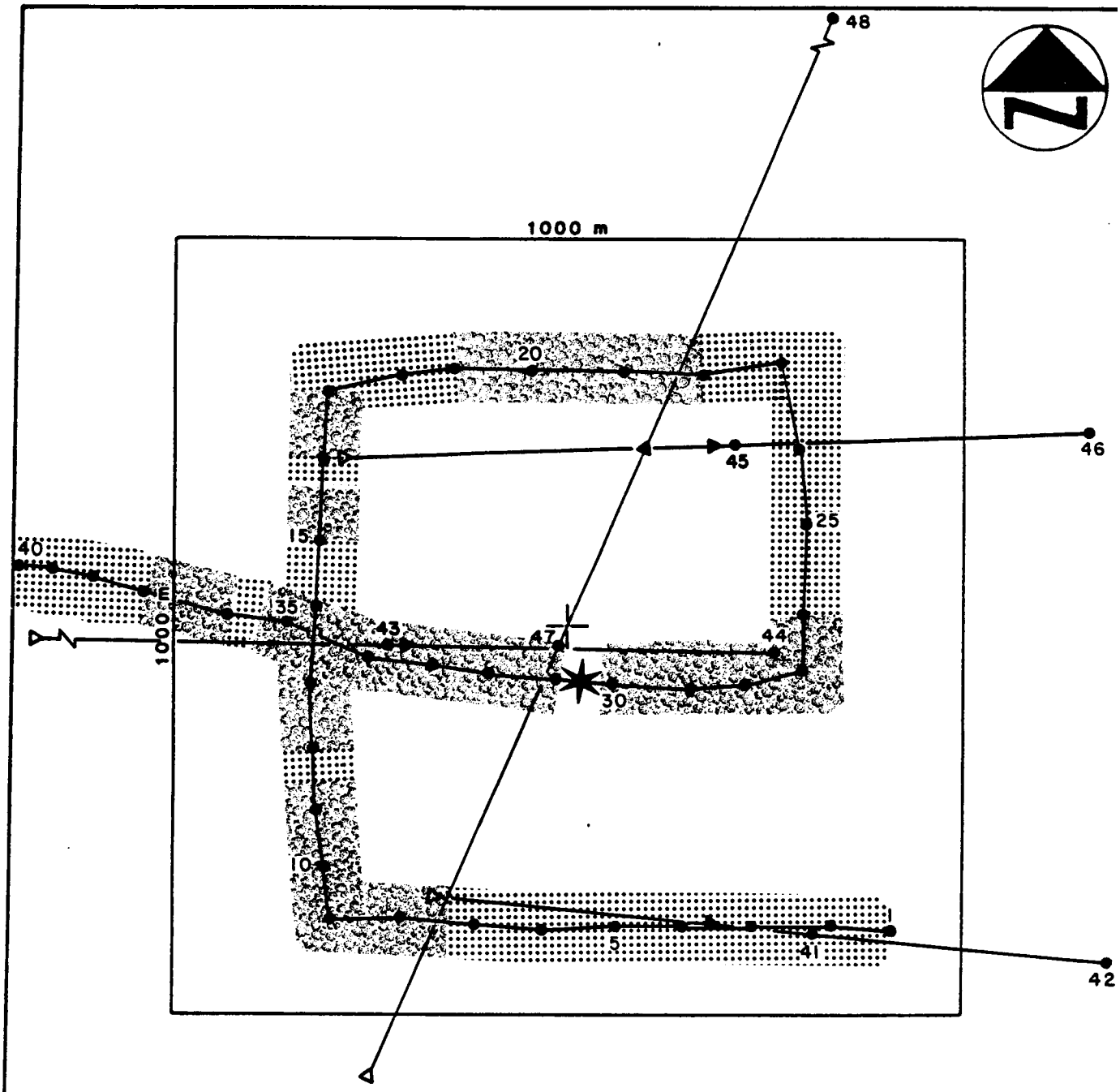
BIOTURBATION THROUGHOUT

LEGEND

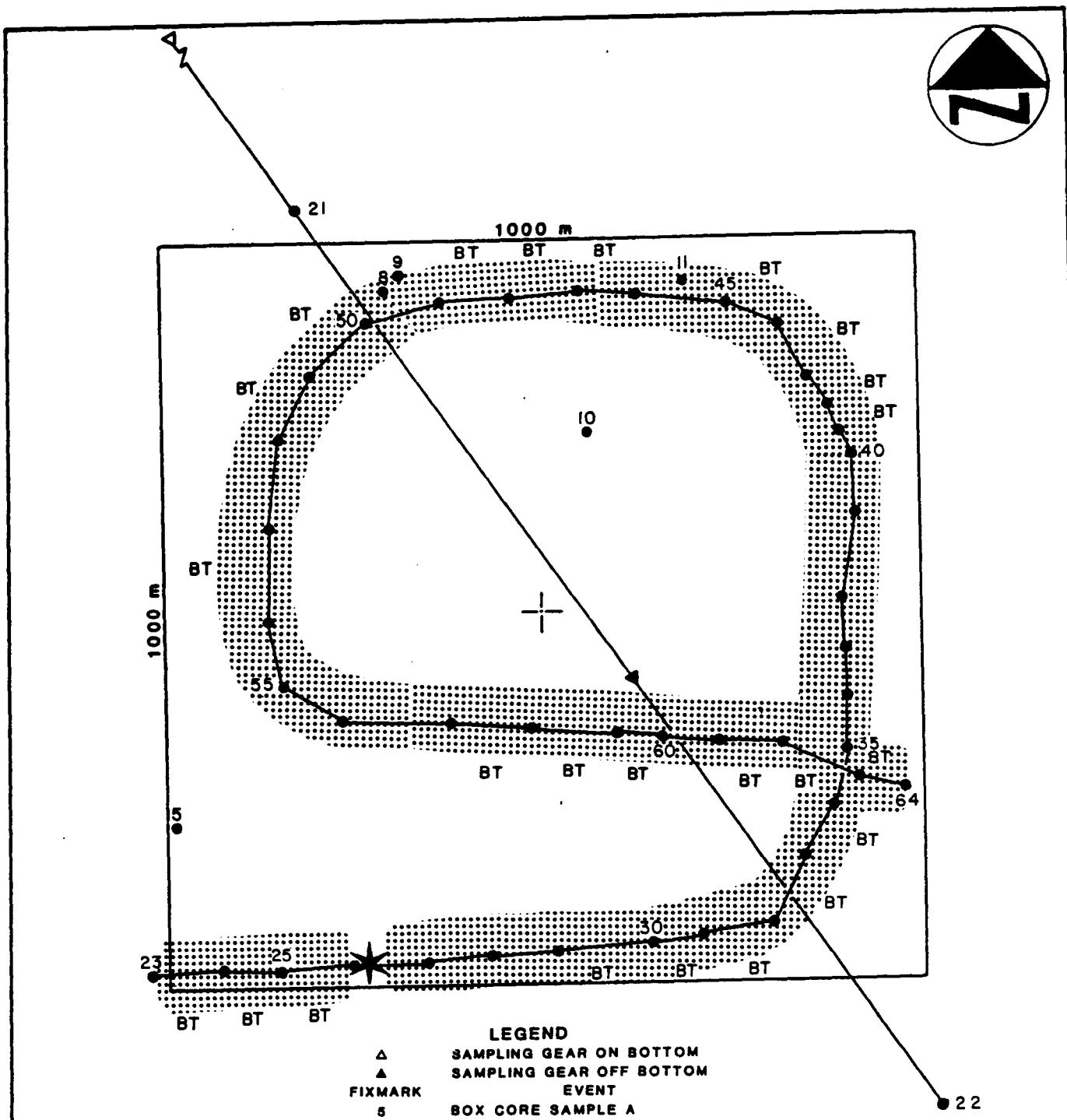
△	SAMPLING GEAR ON BOTTOM
▲	SAMPLING GEAR OFF BOTTOM
FIXMARK	EVENT
1-45	TV/STILL CAMERA LINE
53/54	TRAWL
55	BOX CORE SAMPLE A
56	BOX CORE SAMPLE B
57	BOX CORE SAMPLE C
58	BOX CORE SAMPLE D
59	BOX CORE SAMPLE E

LAT. 26°45.61'
LONG. 84°14.81'

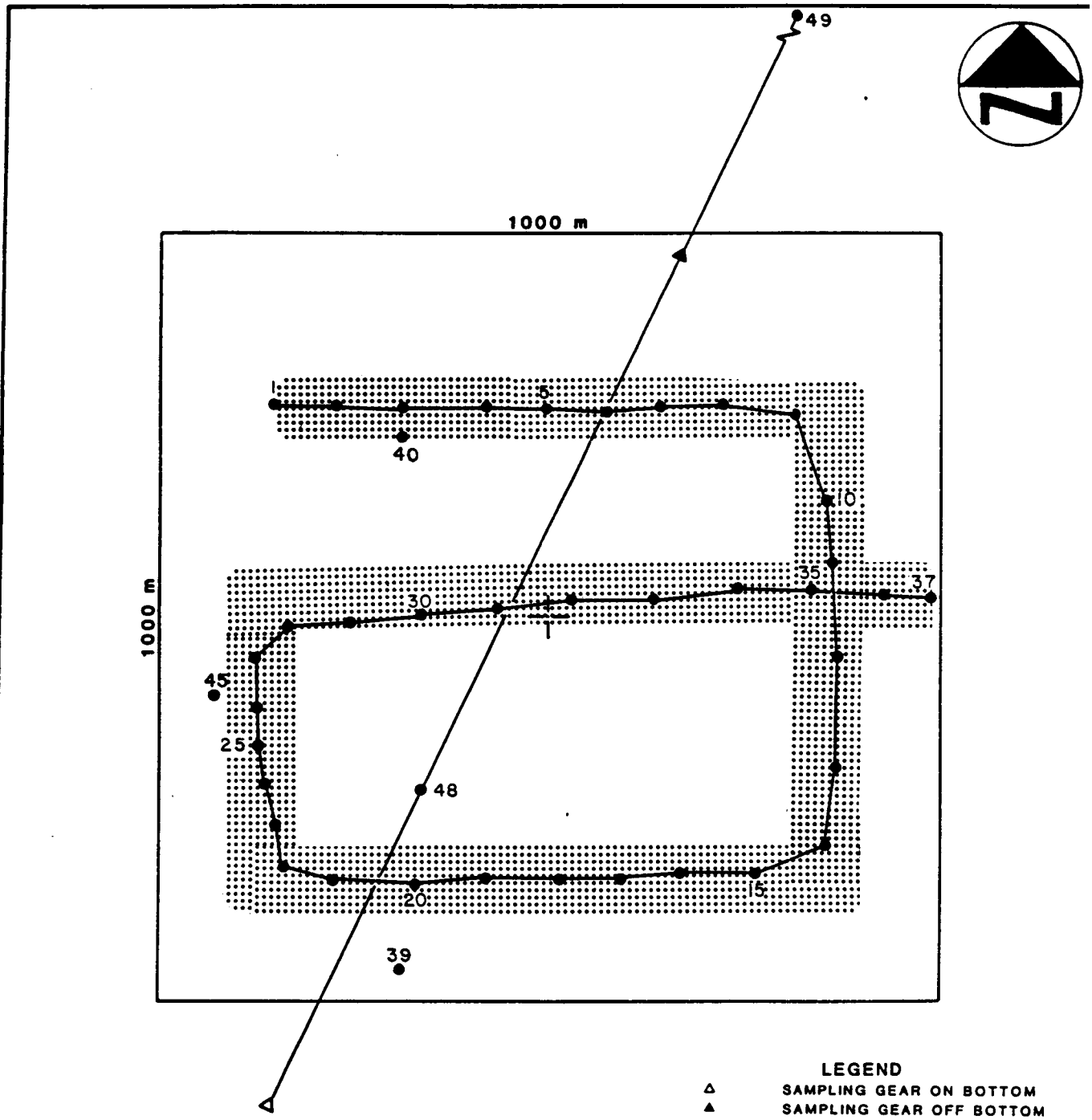
STATION 31 - TELEVISION/STILL CAMERA DATA AND BENTHIC SAMPLE LOCATIONS
YEAR II - CRUISE III



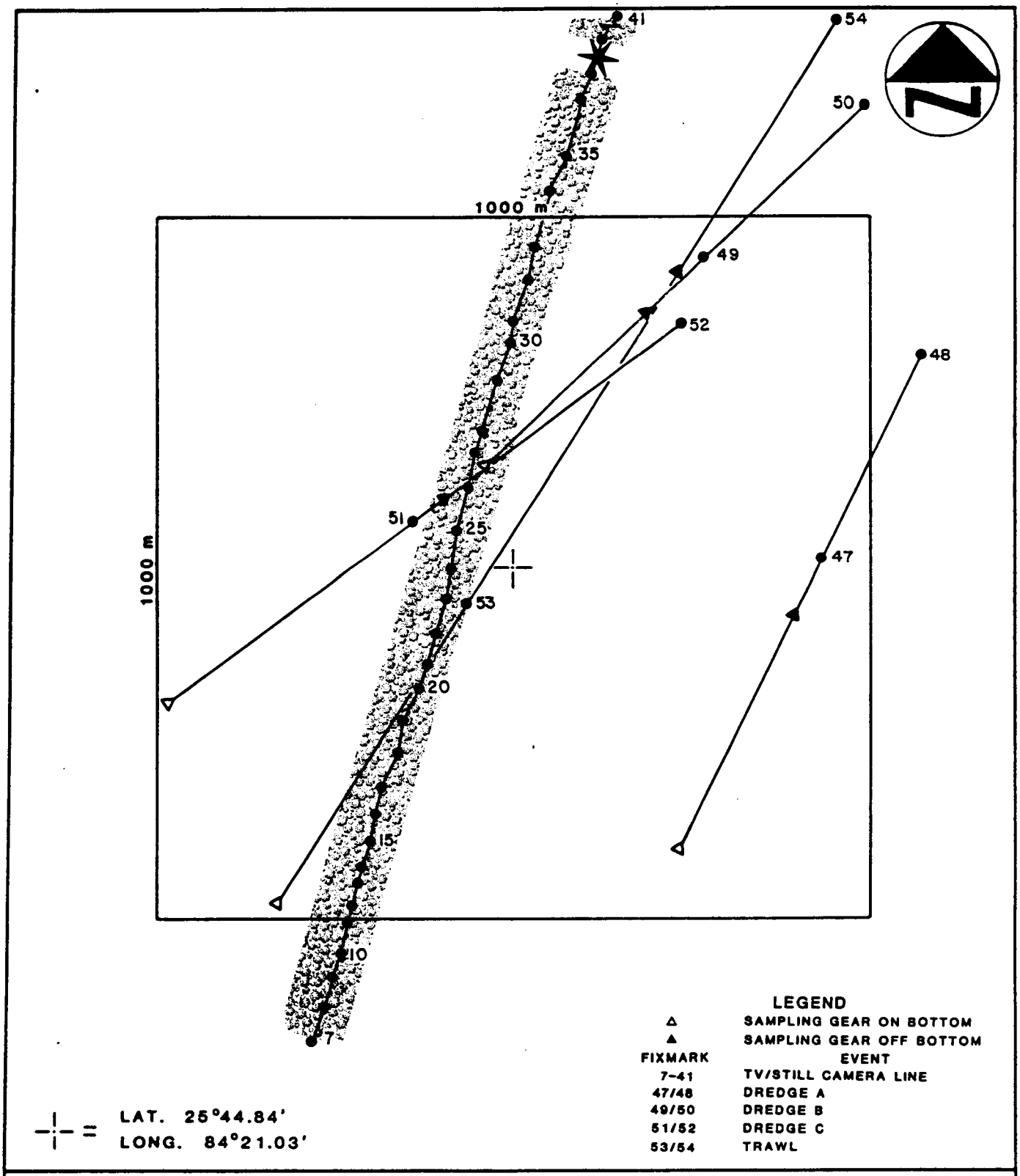
STATION 32 - TELEVISION/STILL CAMERA DATA AND BENTHIC SAMPLE LOCATIONS
YEAR II - CRUISE III



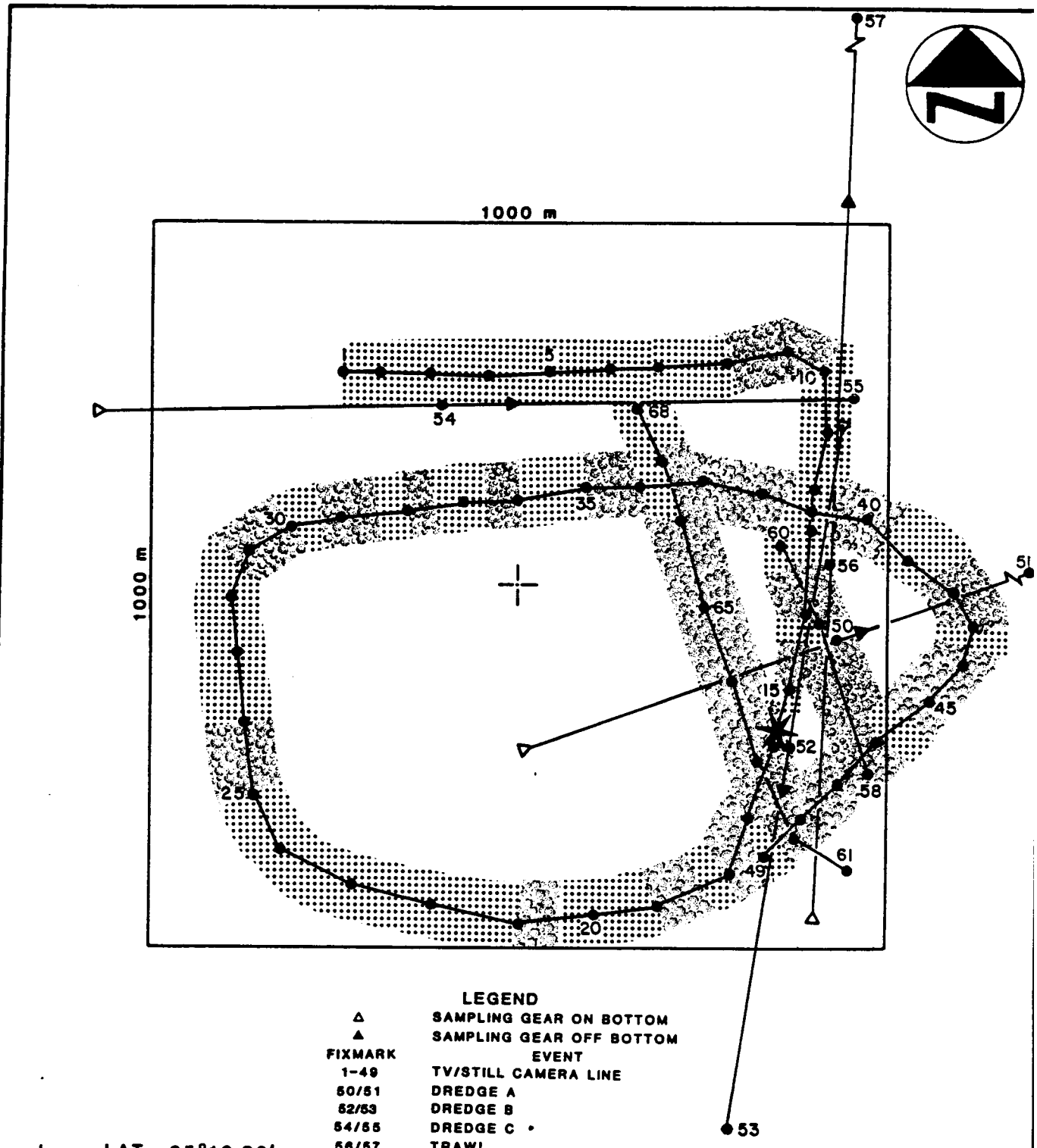
STATION 33 - TELEVISION/STILL CAMERA DATA AND BENTHIC SAMPLE LOCATIONS
YEAR II - CRUISE III



STATION 34 - TELEVISION/STILL CAMERA DATA AND BENTHIC SAMPLE LOCATIONS
YEAR II - CRUISE III



STATION 35- TELEVISION/STILL CAMERA DATA AND BENTHIC SAMPLE LOCATIONS
YEAR II - CRUISE III

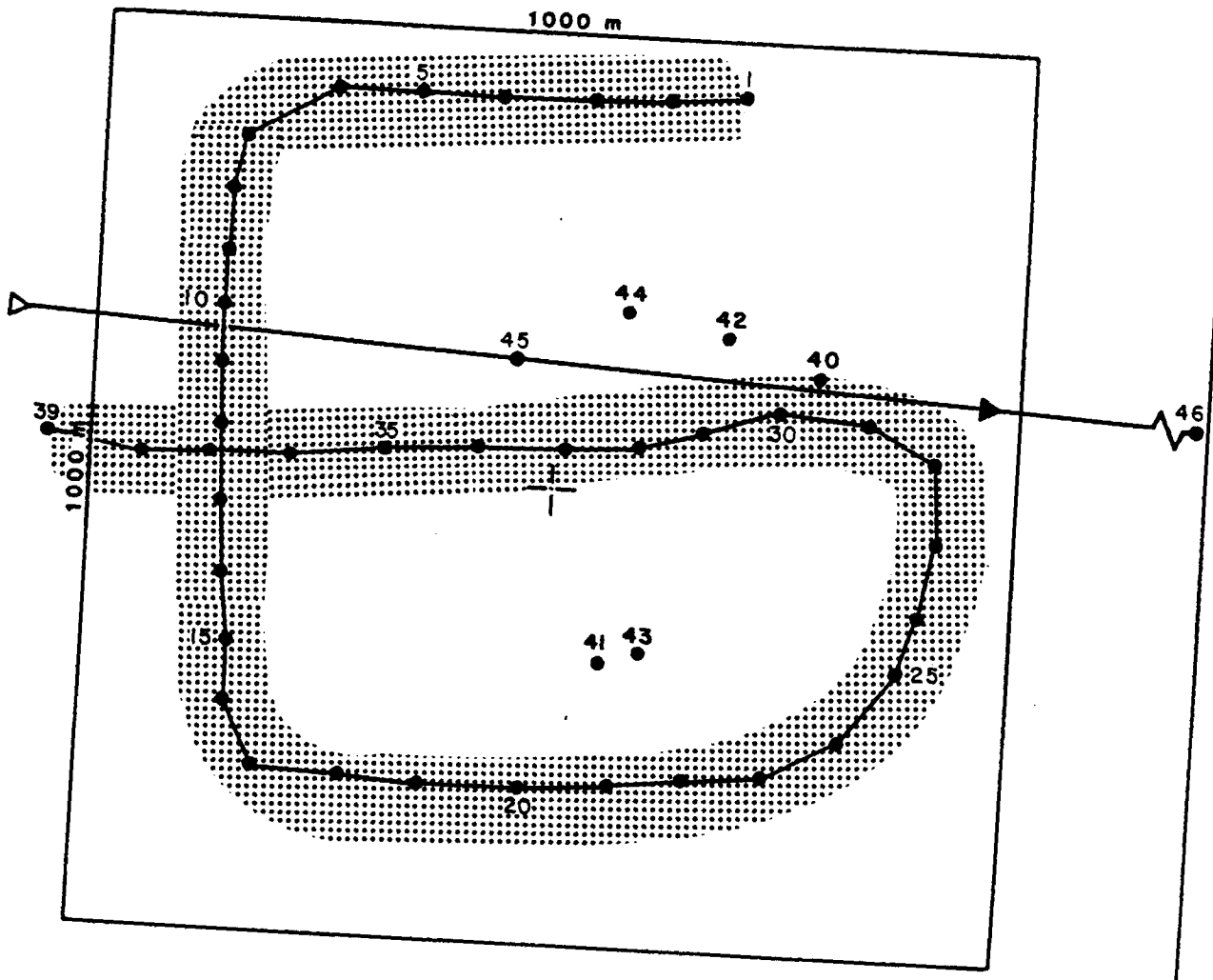


LEGEND

△	SAMPLING GEAR ON BOTTOM
▲	SAMPLING GEAR OFF BOTTOM
FIXMARK	EVENT
1-49	TV/STILL CAMERA LINE
50/51	DREDGE A
52/53	DREDGE B
54/55	DREDGE C
56/57	TRAWL
58-60	TV DRIFT TOW A
61-68	TV DRIFT TOW B

LAT. 25°16.83'
LONG. 83°57.35'

STATION 36- TELEVISION/STILL CAMERA DATA AND BENTHIC SAMPLE LOCATIONS
YEAR II - CRUISE III

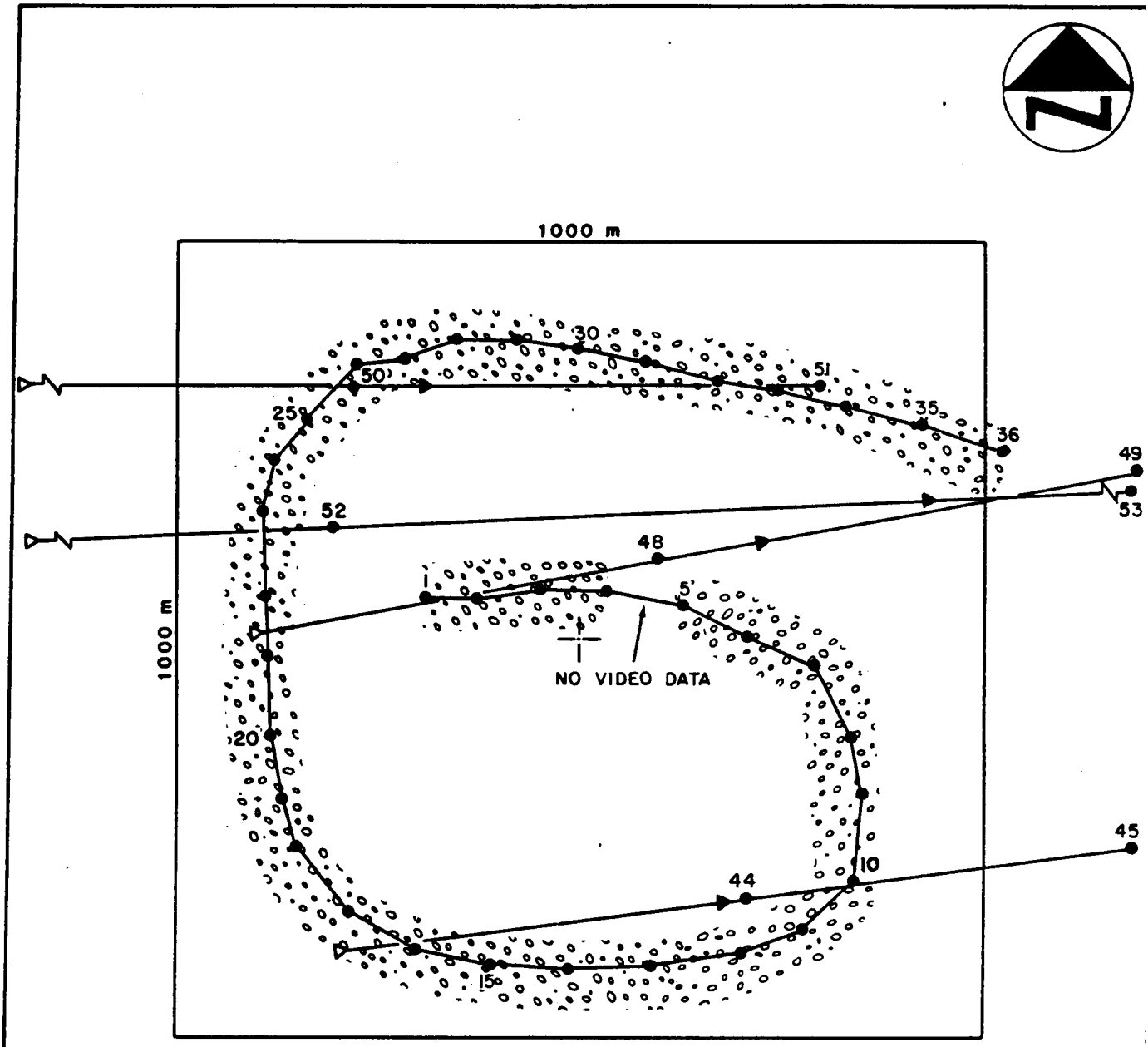


LEGEND

△	SAMPLING GEAR ON BOTTOM
▲	SAMPLING GEAR OFF BOTTOM
FIXMARK	EVENT
1-39	TV/STILL CAMERA LINE
40	BOX CORE SAMPLE A
41	BOX CORE SAMPLE B
42	BOX CORE SAMPLE C
43	BOX CORE SAMPLE D
44	BOX CORE SAMPLE E
45/46	TRAWL

LAT. 25°16.64'
LONG. 84°09.39'

STATION 37- TELEVISION/STILL CAMERA DATA AND BENTHIC SAMPLE LOCATIONS
YEAR II - CRUISE III

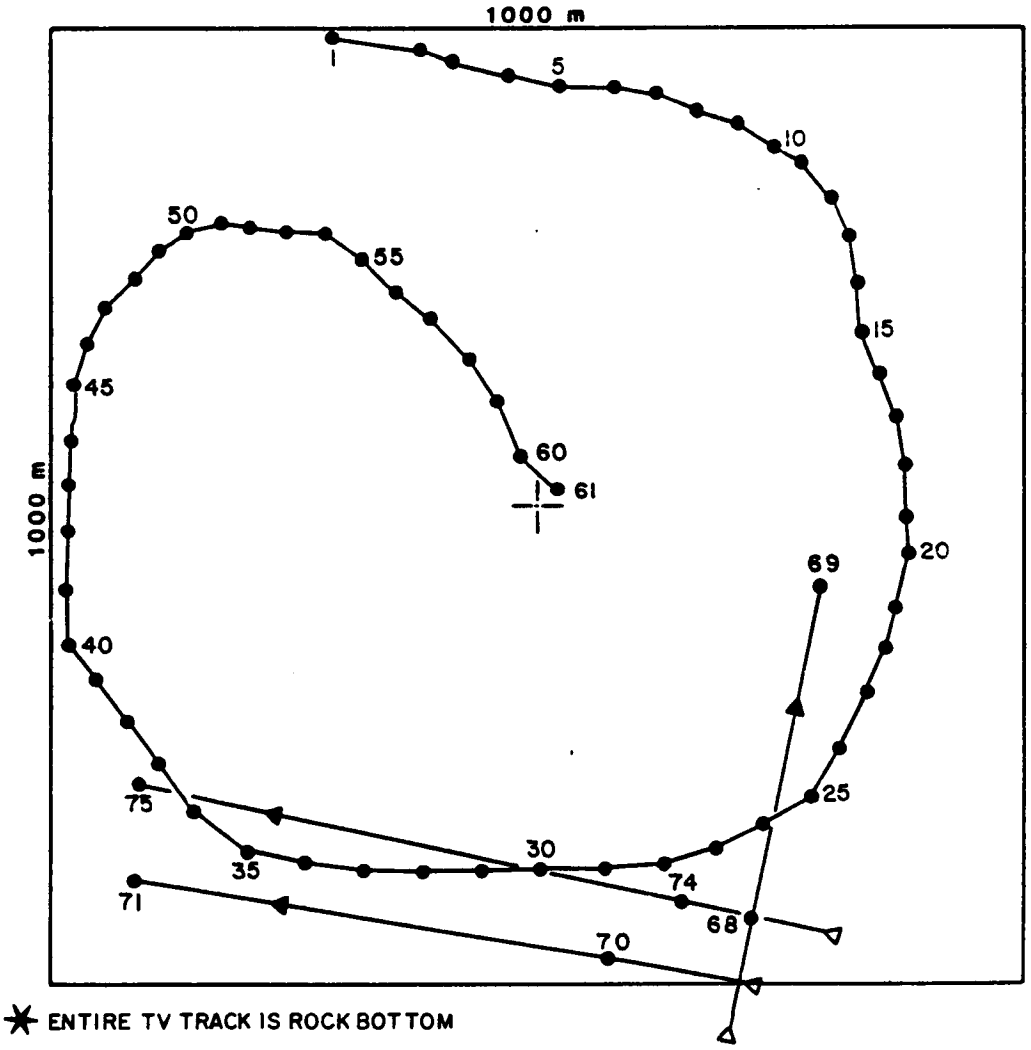


LEGEND

△	SAMPLING GEAR ON BOTTOM
▲	SAMPLING GEAR OFF BOTTOM
FIXMARK	EVENT
1-36	TV/STILL CAMERA LINE
44/45	DREDGE A
48/49	DREDGE B
50/51	DREDGE C
52/53	TRAWL

LAT. 25°16.50'
LONG. 84°14.77'

STATION 38 - TELEVISION/STILL CAMERA DATA AND BENTHIC SAMPLE LOCATIONS
YEAR II - CRUISE III



✱ ENTIRE TV TRACK IS ROCK BOTTOM

LEGEND

△	SAMPLING GEAR ON BOTTOM
▲	SAMPLING GEAR OFF BOTTOM
FIXMARK	EVENT
1-61	TV/STILL CAMERA LINE
68/69	ROCK DREDGE A
70/71	ROCK DREDGE B
74/75	ROCK DREDGE C

LAT. 24°47.16'
LONG. 83°55.36'

STATION 39 - TELEVISION/STILL CAMERA DATA AND BENTHIC SAMPLE LOCATIONS
YEAR II - CRUISE III

APPENDIX A.4

HYDROGRAPHIC DATA

NOTE:

Please see the explanatory notes at the end of each separate set of data tables.

TABLE . SW FLORIDA SHELF ECOSYSTEMS STUDY YEAR I; CHLOROPHYLL--ACID METHOD (CLA)
LISTING OF CORRECTED AND VERIFIED DATA.

CRUISE	STATION	DEPTH (M)	CHLOROPHYLL (UG/3000 ML)
3	1	1.5	1.72
3	1	3.0	3.74
3	1	13.0	1.71
3	1	23.0	4.89
3	2	1.5	3.20
3	2	2.5	2.48
3	2	12.5	2.86
3	2	22.5	2.08
3	3	1.5	
3	3	7.5	1.34
3	3	17.5	
3	3	27.5	0.00
3	3	37.5	0.70
3	3	47.5	1.09
3	4	1.5	0.34
3	4	3.0	0.65
3	4	13.0	0.31
3	4	23.0	
3	4	33.0	
3	4	43.0	0.00
3	4	53.0	1.02
3	5	1.5	0.65
3	5	7.5	0.00
3	5	17.5	0.59
3	5	27.5	0.73
3	5	37.5	
3	5	47.5	
3	5	57.5	0.95
3	5	67.5	1.31
3	5	77.5	0.66
3	5	87.5	
3	6	1.5	4.34
3	6	4.4	3.76
3	6	14.4	3.47
3	6	24.4	4.34
3	7	1.5	3.24
3	7	9.0	3.00
3	7	19.0	2.10
3	7	29.0	2.41
3	8	1.5	
3	8	6.7	
3	8	16.7	1.02
3	8	26.7	0.95
3	8	36.7	
3	8	46.7	1.51
3	9	1.5	
3	9	4.0	0.00
3	9	14.0	
3	9	24.0	0.97
3	9	34.0	0.00

TABLE . SW FLORIDA SHELF ECOSYSTEMS STUDY YEAR I; CHLOROPHYLL--ACID METHOD (CLA)
LISTING OF CORRECTED AND VERIFIED DATA.

CRUISE	STATION	DEPTH (M)	CHLOROPHYLL (UG/3000 ML)
3	9	44.0	0.68
3	9	54.0	1.12
3	10	1.5	0.34
3	10	9.0	0.58
3	10	19.0	0.89
3	10	29.0	0.65
3	10	39.0	
3	10	49.0	
3	10	59.0	0.98
3	10	69.0	0.00
3	10	79.0	0.00
3	11	1.5	
3	11	6.5	0.64
3	11	16.5	0.68
3	11	26.5	
3	11	36.5	
3	11	46.5	1.40
3	11	56.5	
3	11	66.5	
3	11	76.5	
3	12	1.5	0.00
3	12	8.0	
3	12	18.0	
3	12	28.0	
3	12	38.0	
3	12	48.0	
3	12	58.0	
3	12	68.0	0.98
3	12	78.0	0.67
3	12	88.0	0.55
3	13	1.5	4.31
3	13	8.0	3.31
3	13	18.0	
3	14	1.5	4.48
3	14	4.7	5.21
3	14	14.7	5.09
3	14	24.7	5.72
3	15	1.5	5.17
3	15	10.5	4.34
3	15	20.5	4.79
3	15	30.5	4.17
3	16	1.5	1.28
3	16	12.0	1.33
3	16	22.0	
3	16	32.0	1.06
3	16	42.0	0.33
3	16	52.0	1.02
3	17	1.5	
3	17	6.7	1.30
3	17	16.7	0.29

TABLE . SW FLORIDA SHELF ECOSYSTEMS STUDY YEAR I; CHLOROPHYLL--ACID METHOD (CLA)
LISTING OF CORRECTED AND VERIFIED DATA.

CRUISE	STATION	DEPTH (M)	CHLOROPHYLL (UG/3000 ML)
3	17	26.7	1.00
3	17	36.7	0.93
3	17	46.7	1.30
3	17	56.7	1.72
3	18	1.5	0.34
3	18	4.1	
3	18	14.1	
3	18	24.1	
3	18	34.1	0.60
3	18	44.1	
3	18	54.1	
3	18	64.1	0.00
3	18	74.1	
3	18	84.1	0.99
3	19	1.5	2.56
3	19	11.0	4.23
3	19	21.0	2.26
3	20	1.5	2.58
3	20	11.4	1.63
3	20	21.4	1.95
3	21	1.5	1.18
3	21	3.3	1.37
3	21	13.3	2.28
3	21	23.3	
3	21	33.3	2.73
3	21	43.3	3.50
3	22	1.5	
3	22	10.3	0.97
3	22	20.3	0.99
3	22	30.3	2.40
3	22	40.3	2.73
3	22	50.3	
3	23	1.5	
3	23	5.5	
3	23	15.5	0.66
3	23	25.5	0.00
3	23	35.5	0.62
3	23	45.5	
3	23	55.5	
3	23	65.5	1.82
3	24	1.5	
3	24	7.5	0.00
3	24	17.5	0.00
3	24	27.5	
3	24	37.5	
3	24	47.5	
3	24	57.5	
3	24	67.5	
3	24	77.5	
3	24	87.5	0.63

TABLE . SW FLORIDA SHELF ECOSYSTEMS STUDY YEAR I; CHLOROPHYLL--ACID METHOD (CLA)
LISTING OF CORRECTED AND VERIFIED DATA.

CRUISE	STATION	DEPTH (M)	CHLOROPHYLL (UG/3000 ML)
3	25	1.5	0.34
3	25	12.3	0.95
3	25	22.3	1.53
3	26	1.5	
3	26	7.2	1.35
3	26	17.2	
3	26	27.2	1.62
3	26	37.2	0.00
3	27	1.5	0.66
3	27	11.8	0.95
3	27	21.8	
3	27	31.8	0.00
3	27	41.8	
3	27	51.8	1.62
3	28	1.5	1.34
3	28	7.3	
3	28	17.3	
3	28	27.3	0.30
3	28	37.3	0.31
3	28	47.3	0.68
3	28	57.3	
3	29	1.5	
3	29	10.0	0.69
3	29	20.0	0.35
3	29	30.0	0.34
3	29	40.0	1.02
3	29	50.0	
3	29	60.0	
3	30	1.5	
3	30	4.4	
3	30	14.4	
3	30	24.4	
3	30	34.4	1.24
3	30	44.4	
3	30	54.4	1.24
3	30	64.4	
3	30	74.4	1.02
4	1	12.3	0.80
4	1	22.3	0.62
4	2	2.9	0.29
4	2	22.9	0.61
4	3	1.5	0.34
4	3	29.8	0.62
4	3	39.8	0.87
4	3	49.8	2.13
4	4	34.3	0.62
4	4	44.3	1.53
4	4	54.3	1.22
4	5	59.3	1.22
4	5	69.3	0.98

TABLE . SW FLORIDA SHELF ECOSYSTEMS STUDY YEAR I; CHLOROPHYLL--ACID METHOD (CLA)
LISTING OF CORRECTED AND VERIFIED DATA.

CRUISE	STATION	DEPTH (M)	CHLOROPHYLL (UG/3000 ML)
4	5	79.3	0.32
4	5	89.3	0.62
4	6	1.5	1.58
4	6	5.0	0.62
4	6	15.0	0.64
4	7	1.5	0.61
4	7	18.9	0.32
4	7	28.9	0.32
4	8	7.0	0.32
4	8	27.0	0.32
4	8	47.0	0.34
4	9	1.5	0.31
4	9	44.5	1.79
4	9	54.5	1.62
4	10	59.8	0.33
4	10	69.8	1.28
4	11	56.2	0.31
4	11	66.2	0.32
4	11	76.2	0.66
4	12	58.5	0.31
4	12	68.5	0.64
4	12	78.5	0.68
4	12	88.5	0.99
4	13	1.5	1.84
4	13	8.3	0.60
4	13	18.3	1.19
4	14	1.5	0.63
4	14	4.5	0.33
4	14	14.5	0.35
4	15	29.5	1.53
4	16	1.5	0.30
4	16	22.4	0.63
4	16	42.4	2.15
4	16	52.4	0.96
4	17	7.0	0.31
4	17	27.0	0.62
4	17	47.0	0.90
4	17	57.0	1.57
4	18	45.1	0.89
4	18	55.1	1.62
4	18	85.1	0.31
4	19	1.5	0.35
4	19	11.0	0.61
4	19	21.0	1.84
4	20	1.5	0.89
4	20	11.0	1.06
4	20	21.0	1.84
4	21	43.0	0.98
4	22	41.3	0.65
4	22	51.3	2.03

TABLE . SW FLORIDA SHELF ECOSYSTEMS STUDY YEAR I; CHLOROPHYLL--ACID METHOD (CLA) LISTING OF CORRECTED AND VERIFIED DATA.

CRUISE	STATION	DEPTH (M)	CHLOROPHYLL (UG/3000 ML)
4	23	1.5	0.32
4	23	8.5	0.33
4	23	58.5	0.33
4	23	68.5	1.25
4	24	46.9	0.96
4	24	56.9	0.71
4	24	66.9	0.98
4	24	86.9	1.28
4	25	2.5	0.32
4	25	12.5	0.91
4	25	22.5	1.54
4	26	36.6	0.88
4	27	51.5	1.66
4	28	7.0	0.63
4	28	37.0	0.31
4	28	47.0	1.61
4	28	57.0	1.60
4	29	19.5	0.32
4	29	29.5	1.99
4	29	39.5	1.26
4	29	49.5	1.58
4	29	59.5	1.89
4	30	34.5	1.01
4	30	54.5	1.31
4	30	64.5	2.46
4	30	74.5	0.97

NOTE: CRUISE NUMBERS "3" AND "4" REPRESENT THE FALL (OCTOBER 25-NOVEMBER 23, 1980) AND SPRING (APRIL 22-MAY 5, 1981) CRUISES, RESPECTIVELY.

TABLE . SW FLORIDA SHELF ECOSYSTEMS STUDY YEAR II; CHLOROPHYLL--ACID METHOD (CLA)
LISTING OF CORRECTED AND VERIFIED DATA.

CRUISE	STATION	DEPTH (M)	CHLOROPHYLL (UG/3000 ML)
2	01	1.5	1.2
2	01	3.5	0.6
2	01	23.5	2.1
2	04	7.0	0.7
2	04	37.0	0.7
2	04	47.0	1.0*
2	04	57.0	0.8*
2	06	1.5	0.3
2	06	4.5	0.9
2	06	14.5	0.9
2	06	24.5	2.2
2	09	1.5	0.7
2	09	8.0	0.0
2	09	18.0	0.7
2	09	28.0	1.0
2	09	38.0	0.7
2	09	48.0	1.6*
2	09	58.0	1.6*
2	13	1.5	1.0
2	13	10.5	1.2
2	13	20.5	0.6
2	16	1.5	1.0
2	16	7.0	-0.3
2	16	17.0	0.3
2	16	47.0	1.0
2	16	57.0	1.0
2	20	1.5	1.0*
2	20	3.3	1.0
2	20	13.3	0.3
2	20	23.3	1.0*
2	22	1.5	0.0
2	22	6.0	0.7
2	22	36.0	0.7
2	22	46.0	0.3
2	22	56.0	1.1
2	25	1.5	0.9
2	25	3.5	1.6*
2	25	13.5	1.5*
2	25	23.5	2.0*
2	28	1.5	0.0
2	28	2.8	0.7
2	28	32.8	0.7
2	28	42.8	0.6
2	28	52.8	1.0
2	28	62.8	1.1
2	31	37.0	0.0
2	31	46.5	-0.3
2	31	56.0	-0.3
2	31	65.5	0.0
2	31	75.0	0.6

TABLE . SW FLORIDA SHELF ECOSYSTEMS STUDY YEAR II; CHLOROPHYLL--ACID METHOD (CLA)
LISTING OF CORRECTED AND VERIFIED DATA.

CRUISE	STATION	DEPTH (M)	CHLOROPHYLL (UG/3000 ML)
2	31	84.5	1.1*
2	31	94.0	0.8*
2	31	103.5	0.3
2	33	74.0	0.3
2	33	84.0	0.9
2	33	94.0	0.7
2	33	104.0	1.4
2	33	114.0	1.0
2	33	124.0	0.3
2	35	37.5	0.0
2	35	47.5	1.4
2	35	57.5	1.8
2	35	67.5	0.7
2	35	87.5	0.3
2	35	97.5	1.7
2	35	107.5	1.3
2	35	117.5	2.6
2	35	127.5	0.7
2	35	137.5	0.0
2	35	147.5	-0.3
2	35	157.5	0.4
2	38	37.5	1.0
2	38	47.5	0.0
2	38	57.5	0.7
2	38	67.5	1.6
2	38	77.5	1.1
2	38	87.5	3.0
2	38	97.5	2.7
2	38	107.5	1.4
2	38	117.5	0.7
2	39	1.5	0.0
2	39	10.0	0.7
2	39	20.0	0.3
2	39	30.0	0.7
2	39	40.0	0.9
2	39	50.0	0.6
2	39	60.0	1.0
2	39	70.0	1.0
2	39	80.0	0.3
2	39	90.0	0.0
2	39	100.0	0.0
2	39	110.0	0.4
3	1	1.5	0.00
3	1	4.5	1.47
3	1	14.5	0.65
3	1	24.5	0.33
3	4	1.5	0.31
3	4	7.0	0.00
3	4	17.0	0.00
3	4	27.0	0.31

TABLE . SW FLORIDA SHELF ECOSYSTEMS STUDY YEAR II; CHLOROPHYLL--ACID METHOD (CLA)
LISTING OF CORRECTED AND VERIFIED DATA.

CRUISE	STATION	DEPTH (M)	CHLOROPHYLL (UG/3000 ML)
3	4	37.0	0.00
3	4	47.0	1.21
3	4	57.0	0.88
3	6	1.5	0.30
3	6	6.5	0.88
3	6	16.5	0.93
3	6	26.5	-0.67
3	9	1.5	0.00
3	9	8.5	0.00
3	9	18.5	0.34
3	9	28.5	0.99
3	9	38.5	0.67
3	9	48.5	0.00
3	9	58.5	1.35
3	13	2.0	0.34
3	13	12.0	1.34
3	13	22.0	1.27
3	16	7.5	0.00
3	16	17.5	0.64
3	16	27.5	0.59
3	16	37.5	0.64
3	16	47.5	1.71
3	16	57.5	1.12
3	20	2.5	0.33
3	20	12.5	0.65
3	20	22.5	0.66
3	22	1.5	0.66
3	22	6.5	0.34
3	22	16.5	0.99
3	22	26.5	0.36
3	22	36.5	1.34
3	22	46.5	1.66
3	22	56.5	1.64
3	25	1.5	0.68
3	25	3.0	0.67
3	25	13.0	0.33
3	25	23.0	0.66
3	28	1.5	0.65
3	28	2.8	0.00
3	28	12.8	0.94
3	28	22.8	0.00
3	28	42.8	0.65
3	28	52.8	0.66
3	28	62.8	0.62
3	31	1.5	1.28
3	31	12.0	0.64
3	31	22.0	1.32
3	31	32.0	0.97
3	31	42.0	0.69
3	31	52.0	1.34

TABLE . SW FLORIDA SHELF ECOSYSTEMS STUDY YEAR II; CHLOROPHYLL--ACID METHOD (CLA)
LISTING OF CORRECTED AND VERIFIED DATA.

CRUISE	STATION	DEPTH (M)	CHLOROPHYLL (UG/3000 ML)
3	31	62.0	0.64
3	31	72.0	0.00
3	31	82.0	0.00
3	31	92.0	-0.33
3	31	122.0	0.66
3	33	1.5	0.62
3	33	4.0	0.00
3	33	14.0	0.32
3	33	24.0	0.64
3	33	34.0	0.65
3	33	44.0	1.21
3	33	54.0	1.64
3	33	64.0	0.64
3	33	74.0	0.67
3	33	84.0	0.66
3	33	94.0	-0.32
3	33	104.0	0.33
3	35	1.5	0.00
3	35	7.5	1.31
3	35	17.5	1.21
3	35	27.5	0.65
3	35	37.5	0.34
3	35	47.5	0.68
3	35	57.5	0.00
3	35	67.5	0.96
3	35	87.5	0.00
3	35	97.5	-0.33
3	35	107.5	0.33
3	35	117.5	0.33
3	35	127.5	0.32
3	35	137.5	1.37
3	35	147.5	0.67
3	35	157.5	0.85
3	38	1.5	0.95
3	38	7.5	0.65
3	38	17.5	0.00
3	38	27.5	0.68
3	38	37.5	0.33
3	38	47.5	0.66
3	38	57.5	1.60
3	38	67.5	1.02
3	38	77.5	0.00
3	38	87.5	0.66
3	38	97.5	0.33
3	38	107.5	0.00
3	38	117.5	0.68
3	38	127.5	0.99
3	38	137.5	1.07
3	38	157.5	0.00
3	39	8.5	0.00

TABLE . SW FLORIDA SHELF ECOSYSTEMS STUDY YEAR II; CHLOROPHYLL--ACID METHOD (CLA) LISTING OF CORRECTED AND VERIFIED DATA.

CRUISE	STATION	DEPTH (M)	CHLOROPHYLL (UG/3000 ML)
3	39	18.5	0.30
3	39	38.5	0.65
3	39	48.5	0.67
3	39	58.5	0.32
3	39	68.5	0.00
3	39	78.5	0.35

NOTE: CRUISE NUMBERS "2" AND "3" REPRESENT THE SUMMER (JULY 16-AUGUST 5, 1981) AND WINTER (JANUARY 28-FEBRUARY 15, 1982) CRUISES, RESPECTIVELY.

AN "*" INDICATES THAT THE VALUE LISTED IS A MEAN OF DUPLICATE ANALYSES RUN ON A GIVEN SAMPLE.

NEGATIVE VALUES INDICATE ABNORMALLY INCREASED ABSORPTION AT 750 NM.

TABLE . SW FLORIDA SHELF ECOSYSTEMS STUDY YEAR I; CHLOROPHYLL--FLUOROMETER METHOD (CLF)
LISTING OF CORRECTED AND VERIFIED DATA.

CRUISE	STATION	DEPTH (M)	CHLOROPHYLL (UG/3000 ML)
3	1	1.5	
3	1	3.0	
3	1	13.0	
3	1	23.0	
3	2	1.5	
3	2	2.5	
3	2	12.5	
3	2	22.5	
3	3	1.5	0.50
3	3	7.5	
3	3	17.5	0.50
3	3	27.5	0.45
3	3	37.5	0.47
3	3	47.5	1.20
3	4	1.5	0.21
3	4	3.0	0.27
3	4	13.0	0.28
3	4	23.0	0.24
3	4	33.0	0.34
3	4	43.0	0.40
3	4	53.0	
3	5	1.5	0.34
3	5	7.5	
3	5	17.5	0.35
3	5	27.5	0.49
3	5	37.5	0.41
3	5	47.5	0.40
3	5	57.5	0.94
3	5	67.5	0.65
3	5	77.5	0.28
3	5	87.5	0.31
3	6	1.5	
3	6	4.4	
3	6	14.4	
3	6	24.4	
3	7	1.5	
3	7	9.0	
3	7	19.0	
3	7	29.0	
3	8	1.5	1.11
3	8	6.7	0.91
3	8	16.7	1.01
3	8	26.7	0.99
3	8	36.7	1.07
3	8	46.7	1.69
3	9	1.5	0.61
3	9	4.0	0.51
3	9	14.0	0.54
3	9	24.0	0.53
3	9	34.0	0.55

TABLE . SW FLORIDA SHELF ECOSYSTEMS STUDY YEAR I; CHLOROPHYLL--FLUOROMETER METHOD (CLF)
LISTING OF CORRECTED AND VERIFIED DATA.

CRUISE	STATION	DEPTH (M)	CHLOROPHYLL (UG/3000 ML)
3	9	44.0	1.25
3	9	54.0	1.11
3	10	1.5	0.43
3	10	9.0	0.58
3	10	19.0	0.58
3	10	29.0	0.54
3	10	39.0	0.60
3	10	49.0	1.18
3	10	59.0	1.07
3	10	69.0	0.82
3	10	79.0	0.65
3	11	1.5	0.54
3	11	6.5	0.53
3	11	16.5	0.42
3	11	26.5	0.46
3	11	36.5	0.46
3	11	46.5	1.07
3	11	56.5	1.16
3	11	66.5	1.03
3	11	76.5	0.54
3	12	1.5	0.38
3	12	8.0	0.49
3	12	18.0	0.46
3	12	28.0	0.43
3	12	38.0	1.06
3	12	48.0	0.93
3	12	58.0	1.44
3	12	68.0	0.74
3	12	78.0	0.57
3	12	88.0	
3	13	1.5	
3	13	8.0	
3	13	18.0	3.88
3	14	1.5	
3	14	4.7	
3	14	14.7	
3	14	24.7	
3	15	1.5	
3	15	10.5	
3	15	20.5	
3	15	30.5	
3	16	1.5	1.00
3	16	12.0	
3	16	22.0	1.08
3	16	32.0	
3	16	42.0	1.16
3	16	52.0	
3	17	1.5	1.21
3	17	6.7	1.07
3	17	16.7	1.31

TABLE . SW FLORIDA SHELF ECOSYSTEMS STUDY YEAR I; CHLOROPHYLL--FLUOROMETER METHOD (CLF)
LISTING OF CORRECTED AND VERIFIED DATA.

CRUISE	STATION	DEPTH (M)	CHLOROPHYLL (UG/3000 ML)
3	17	26.7	1.28
3	17	36.7	1.04
3	17	46.7	
3	17	56.7	
3	18	1.5	0.44
3	18	4.1	0.47
3	18	14.1	0.48
3	18	24.1	0.41
3	18	34.1	0.51
3	18	44.1	0.45
3	18	54.1	1.05
3	18	64.1	0.64
3	18	74.1	0.51
3	18	84.1	0.33
3	19	1.5	
3	19	11.0	
3	19	21.0	
3	20	1.5	
3	20	11.4	
3	20	21.4	
3	21	1.5	
3	21	3.3	
3	21	13.3	
3	21	23.3	1.96
3	21	33.3	
3	21	43.3	
3	22	1.5	1.17
3	22	10.3	1.34
3	22	20.3	1.34
3	22	30.3	
3	22	40.3	
3	22	50.3	2.05
3	23	1.5	0.28
3	23	5.5	0.28
3	23	15.5	0.34
3	23	25.5	
3	23	35.5	0.34
3	23	45.5	0.34
3	23	55.5	0.54
3	23	65.5	
3	24	1.5	0.32
3	24	7.5	0.35
3	24	17.5	0.34
3	24	27.5	0.42
3	24	37.5	0.68
3	24	47.5	1.18
3	24	57.5	0.58
3	24	67.5	0.40
3	24	77.5	0.31
3	24	87.5	0.26

TABLE . SW FLORIDA SHELF ECOSYSTEMS STUDY YEAR I; CHLOROPHYLL--FLUOROMETER METHOD (CLF)
LISTING OF CORRECTED AND VERIFIED DATA.

CRUISE	STATION	DEPTH (M)	CHLOROPHYLL (UG/3000 ML)
3	25	1.5	1.07
3	25	12.3	1.05
3	25	22.3	
3	26	1.5	0.78
3	26	7.2	
3	26	17.2	0.80
3	26	27.2	0.75
3	26	37.2	0.96
3	27	1.5	1.00
3	27	11.8	0.86
3	27	21.8	1.02
3	27	31.8	0.90
3	27	41.8	1.05
3	27	51.8	1.08
3	28	1.5	
3	28	7.3	0.94
3	28	17.3	0.81
3	28	27.3	0.59
3	28	37.3	0.88
3	28	47.3	
3	28	57.3	0.69
3	29	1.5	0.45
3	29	10.0	0.40
3	29	20.0	0.40
3	29	30.0	0.44
3	29	40.0	
3	29	50.0	1.09
3	29	60.0	0.58
3	30	1.5	0.32
3	30	4.4	0.34
3	30	14.4	0.26
3	30	24.4	0.41
3	30	34.4	
3	30	44.4	1.40
3	30	54.4	1.14
3	30	64.4	1.50
3	30	74.4	0.88
4	1	1.5	0.34
4	1	12.3	0.46
4	1	22.3	0.88
4	2	1.5	0.46
4	2	2.9	0.39
4	2	12.9	0.46
4	3	1.5	0.36
4	3	9.8	0.18
4	3	19.8	0.20
4	3	29.8	0.35
4	4	1.5	0.26
4	4	4.3	0.32
4	4	14.3	0.24

TABLE . SW FLORIDA SHELF ECOSYSTEMS STUDY YEAR I; CHLOROPHYLL--FLUOROMETER METHOD (CLF)
LISTING OF CORRECTED AND VERIFIED DATA.

CRUISE	STATION	DEPTH (M)	CHLOROPHYLL (UG/3000 ML)
4	4	24.3	0.29
4	4	34.3	0.42
4	5	1.5	0.12
4	5	9.3	0.01
4	5	19.3	0.13
4	5	29.3	0.11
4	5	39.3	0.18
4	5	49.3	0.28
4	5	59.3	0.30
4	5	69.3	0.34
4	6	1.5	0.31
4	6	5.0	0.30
4	6	15.0	0.34
4	6	25.0	0.52
4	7	1.5	0.47
4	7	8.9	0.39
4	7	18.9	0.41
4	7	28.9	0.72
4	8	1.5	0.34
4	8	7.0	0.44
4	8	17.0	0.28
4	8	37.0	0.27
4	8	47.0	0.39
4	9	1.5	0.21
4	9	4.5	0.20
4	9	14.5	0.25
4	9	24.5	0.18
4	9	34.5	0.41
4	10	1.5	0.21
4	10	9.8	0.21
4	10	19.8	0.11
4	10	29.8	0.13
4	10	39.8	0.14
4	10	49.8	0.30
4	10	59.8	0.94
4	11	1.5	0.22
4	11	6.2	0.15
4	11	16.2	0.14
4	11	26.2	0.13
4	11	36.2	0.17
4	11	46.2	0.24
4	11	56.2	0.27
4	11	66.2	0.62
4	12	1.5	0.11
4	12	8.5	0.01
4	12	18.5	0.11
4	12	28.5	0.01
4	12	38.5	0.09
4	12	48.5	0.12
4	12	58.5	0.36

TABLE . SW FLORIDA SHELF ECOSYSTEMS STUDY YEAR I; CHLOROPHYLL--FLUOROMETER METHOD (CLF)
LISTING OF CORRECTED AND VERIFIED DATA.

CRUISE	STATION	DEPTH (M)	CHLOROPHYLL (UG/3000 ML)
4	12	68.5	0.61
4	12	88.5	0.72
4	13	1.5	0.68
4	13	8.3	0.57
4	14	1.5	0.46
4	14	4.5	0.44
4	14	14.5	0.34
4	14	24.5	1.04
4	15	1.5	0.32
4	15	9.5	0.38
4	15	19.5	0.36
4	16	1.5	0.44
4	16	12.4	0.19
4	16	22.4	0.28
4	16	32.4	0.66
4	17	1.5	0.30
4	17	7.0	0.25
4	17	17.0	0.20
4	17	27.0	0.35
4	17	37.0	0.40
4	18	1.5	0.12
4	18	5.1	0.12
4	18	15.1	0.10
4	18	25.1	0.13
4	18	35.1	0.18
4	18	45.1	0.25
4	18	65.1	0.11
4	18	75.1	0.69
4	18	85.1	0.78
4	19	1.5	0.45
4	19	11.0	0.55
4	20	1.5	0.47
4	20	11.0	0.54
4	21	1.5	0.18
4	21	3.0	0.19
4	21	13.0	0.12
4	21	23.0	0.14
4	21	33.0	0.14
4	22	1.5	0.16
4	22	11.3	0.17
4	22	21.3	0.21
4	22	31.3	0.22
4	22	41.3	0.52
4	23	1.5	0.14
4	23	8.5	0.16
4	23	18.5	0.13
4	23	28.5	0.13
4	23	38.5	0.24
4	23	48.5	0.33
4	23	58.5	0.44

TABLE . SW FLORIDA SHELF ECOSYSTEMS STUDY YEAR I; CHLOROPHYLL--FLUOROMETER METHOD (CLF) LISTING OF CORRECTED AND VERIFIED DATA.

CRUISE	STATION	DEPTH (M)	CHLOROPHYLL (UG/3000 ML)
4	24	1.5	0.19
4	24	6.9	0.17
4	24	16.9	0.18
4	24	26.9	0.24
4	24	36.9	0.17
4	24	46.9	0.26
4	24	56.9	0.44
4	24	76.9	0.85
4	25	1.5	0.40
4	25	2.5	0.36
4	26	1.5	0.26
4	26	6.6	0.19
4	26	16.6	0.15
4	26	26.6	0.19
4	27	1.5	0.21
4	27	11.5	0.18
4	27	21.5	0.15
4	27	31.5	0.15
4	27	41.5	0.37
4	28	1.5	0.29
4	28	7.0	0.30
4	28	17.0	0.19
4	28	27.0	0.26
4	28	37.0	0.30
4	29	1.5	0.19
4	29	9.5	0.19
4	29	19.5	0.24
4	30	1.5	0.18
4	30	4.5	0.21
4	30	14.5	0.16
4	30	24.5	0.27
4	30	34.5	0.45
4	30	44.5	0.41

NOTE: CRUISE NUMBERS "3" AND "4" REPRESENT THE FALL (OCTOBER 25-NOVEMBER 23, 1980) AND SPRING (APRIL 22-MAY 5, 1981) CRUISES, RESPECTIVELY.

TABLE . SW FLORIDA SHELF ECOSYSTEMS STUDY YEAR II; CHLOROPHYLL--FLUOROMETER METHOD (CLF)
LISTING OF CORRECTED AND VERIFIED DATA.

CRUISE	STATION	DEPTH (M)	CHLOROPHYLL (UG/3000 ML)
2	1	13.5	0.93
2	4	1.5	0.23
2	4	7.0	0.23*
2	4	17.0	0.21
2	4	27.0	0.23*
2	4	37.0	0.51
2	6	1.5	0.36
2	6	4.5	0.45
2	6	14.5	0.39
2	9	1.5	0.22*
2	9	8.0	0.29*
2	9	18.0	0.22*
2	9	28.0	0.29
2	9	38.0	0.69
2	16	1.5	0.16
2	16	7.0	0.15
2	16	17.0	0.15
2	16	27.0	0.15
2	16	37.0	0.25
2	22	1.5	0.27
2	22	6.0	0.26
2	22	16.0	0.21
2	22	26.0	0.20
2	22	36.0	0.25
2	25	1.5	0.77
2	28	1.5	0.24
2	28	2.8	0.41
2	28	12.8	0.26
2	28	22.8	0.29
2	28	32.8	0.39
2	28	42.8	0.69
2	31	1.5	0.14*
2	31	8.5	0.13*
2	31	18.0	0.14
2	31	27.5	0.13
2	31	37.0	0.21
2	31	46.5	0.28*
2	31	56.0	0.43
2	31	65.5	0.62
2	31	103.5	0.44
2	31	113.0	0.17
2	31	122.5	0.08*
2	31	132.0	0.02*
2	31	141.5	0.02
2	33	1.5	0.23
2	33	4.0	0.26
2	33	14.0	0.20
2	33	24.0	0.19
2	33	34.0	0.19
2	33	44.0	0.24

TABLE . SW FLORIDA SHELF ECOSYSTEMS STUDY YEAR II; CHLOROPHYLL--FLUOROMETER METHOD (CLF)
LISTING OF CORRECTED AND VERIFIED DATA.

CRUISE	STATION	DEPTH (M)	CHLOROPHYLL (UG/3000 ML)
2	33	54.0	0.19
2	33	64.0	0.25
2	33	74.0	0.39
2	33	84.0	0.61
2	33	94.0	0.45
2	33	104.0	0.36
2	33	114.0	0.30
2	33	124.0	0.22
2	33	134.0	0.12
2	33	144.0	0.10
2	35	1.5	0.21
2	35	7.5	0.23
2	35	17.5	0.23
2	35	27.5	0.27
2	35	37.5	0.85
2	35	77.5	0.34
2	35	87.5	0.40
2	35	127.5	0.58
2	35	137.5	0.43
2	35	147.5	0.30
2	35	157.5	0.28
2	38	1.5	0.26
2	38	7.5	0.20
2	38	17.5	0.26
2	38	27.5	0.21
2	38	37.5	0.40
2	38	47.5	0.50
2	38	117.5	0.42
2	38	127.5	0.21
2	38	137.5	0.08
2	38	147.5	0.07
2	38	157.5	0.08
2	39	1.5	0.26
2	39	10.0	0.26
2	39	20.0	0.27
2	39	30.0	0.35
2	39	40.0	0.35
2	39	50.0	0.53
2	39	60.0	0.48
2	39	80.0	0.60
2	39	90.0	0.63
2	39	100.0	0.43
2	39	110.0	0.16
2	39	120.0	0.04
2	39	130.0	0.01
2	39	140.0	0.01
2	39	150.0	0.01
3	01	1.5	0.46
3	01	4.5	0.53
3	01	14.5	0.44

TABLE . SW FLORIDA SHELF ECOSYSTEMS STUDY YEAR II; CHLOROPHYLL--FLUOROMETER METHOD (CLF)
LISTING OF CORRECTED AND VERIFIED DATA.

CRUISE	STATION	DEPTH (M)	CHLOROPHYLL (UG/3000 ML)
3	01	24.5	0.90
3	04	1.5	0.80
3	04	7.0	0.85
3	04	17.0	0.69
3	04	27.0	0.76
3	04	37.0	0.75
3	04	47.0	0.74
3	06	1.5	0.47
3	06	6.5	0.47
3	06	26.5	0.46
3	09	1.5	0.37
3	09	8.5	0.44
3	09	18.5	0.46
3	09	28.5	0.48
3	09	38.5	0.95
3	13	2.0	0.63
3	16	1.5	0.39
3	16	7.5	0.32
3	16	17.5	0.30
3	16	27.5	0.31
3	20	2.5	0.49
3	20	12.5	0.73
3	20	22.5	0.81
3	22	1.5	0.63
3	22	6.5	0.44
3	22	16.5	0.43
3	22	26.5	0.60
3	25	1.5	0.63
3	25	3.0	0.53
3	25	13.0	0.57
3	28	1.5	0.31
3	28	2.8	0.30
3	28	12.8	0.23
3	28	22.8	0.22
3	28	32.8	0.26
3	28	42.8	0.37
3	31	12.0	0.86
3	31	62.0	0.57
3	31	72.0	0.45
3	31	82.0	0.22
3	31	92.0	0.24
3	31	102.0	0.15
3	31	112.0	0.11
3	31	122.0	0.08
3	31	132.0	0.05
3	31	142.0	0.08
3	33	1.5	0.54
3	33	4.0	0.47
3	33	14.0	0.39
3	33	24.0	0.44

TABLE . SW FLORIDA SHELF ECOSYSTEMS STUDY YEAR II; CHLOROPHYLL--FLUOROMETER METHOD (CLF)
LISTING OF CORRECTED AND VERIFIED DATA.

CRUISE	STATION	DEPTH (M)	CHLOROPHYLL (UG/3000 ML)
3	33	34.0	0.68
3	33	64.0	0.73
3	33	74.0	0.67
3	33	84.0	0.68
3	33	94.0	0.35
3	33	104.0	0.28
3	33	114.0	0.16
3	33	124.0	0.11
3	33	134.0	0.12
3	33	144.0	0.10
3	35	1.5	0.48
3	35	7.5	0.46
3	35	17.5	0.55
3	35	27.5	0.64
3	35	37.5	0.55
3	35	47.5	0.58
3	35	57.5	0.47
3	35	77.5	0.64
3	35	87.5	0.38
3	35	97.5	0.32
3	35	107.5	0.56
3	35	117.5	0.53
3	35	127.5	0.75
3	35	137.5	0.90
3	38	1.5	0.36
3	38	7.5	0.36
3	38	17.5	0.45
3	38	27.5	0.37
3	38	37.5	0.33
3	38	47.5	0.81
3	38	77.5	0.62
3	38	87.5	0.46
3	38	97.5	0.42
3	38	107.5	0.33
3	38	117.5	0.27
3	38	127.5	0.17
3	38	137.5	0.08
3	38	147.5	0.08
3	38	157.5	0.09
3	39	1.5	0.31
3	39	8.5	0.27
3	39	18.5	0.28
3	39	28.5	0.28
3	39	38.5	0.85
3	39	48.5	0.68
3	39	58.5	0.76
3	39	68.5	0.50
3	39	78.5	0.25
3	39	88.5	0.25
3	39	98.5	0.17

TABLE . SW FLORIDA SHELF ECOSYSTEMS STUDY YEAR II; CHLOROPHYLL--FLUOROMETER METHOD (CLF) LISTING OF CORRECTED AND VERIFIED DATA.

CRUISE	STATION	DEPTH (M)	CHLOROPHYLL (UG/3000 ML)
3	39	108.5	0.13
3	39	118.5	0.08
3	39	128.5	0.05
3	39	138.5	0.02
3	39	148.5	0.01

NOTE: CRUISE NUMBERS "2" AND "3" REPRESENT THE SUMMER (JULY 16-AUGUST 5, 1981) AND WINTER (JANUARY 28-FEBRUARY 15, 1982) CRUISES, RESPECTIVELY.

AN "*" INDICATES THAT THE VALUE LISTED IS A MEAN OF DUPLICATE ANALYSES RUN ON A GIVEN SAMPLE.

TABLE . SW FLORIDA SHELF ECOSYSTEMS STUDY YEAR II; CHLOROPHYLL--FLUOROMETER METHOD (CLF) LISTING OF CORRECTED AND VERIFIED DATA.

CRUISE	STATION	DEPTH (M)	CHLOROPHYLL (UG/3000 ML)
3	39	108.5	0.13
3	39	118.5	0.08
3	39	128.5	0.05
3	39	138.5	0.02
3	39	148.5	0.01

NOTE: CRUISE NUMBERS "2" AND "3" REPRESENT THE SUMMER (JULY 16-AUGUST 5, 1981) AND WINTER (JANUARY 28-FEBRUARY 15, 1982) CRUISES, RESPECTIVELY.

AN "*" INDICATES THAT THE VALUE LISTED IS A MEAN OF DUPLICATE ANALYSES RUN ON A GIVEN SAMPLE.

TABLE . SW FLORIDA SHELF ECOSYSTEMS STUDY YEAR I; CHLOROPHYLL--TRICHROMATIC METHOD
LISTING OF CORRECTED AND VERIFIED DATA

CRUISE	STATION	DEPTH (M)	CHLOROPHYLL (UG/3000 ML)
3	1	1.5	1.87
3	1	3.0	3.07
3	1	13.0	2.13
3	1	23.0	4.80
3	2	1.5	3.36
3	2	2.5	2.71
3	2	12.5	2.70
3	2	22.5	2.45
3	3	1.5	
3	3	7.5	0.69
3	3	17.5	
3	3	27.5	0.39
3	3	37.5	1.34
3	3	47.5	1.36
3	4	1.5	0.38
3	4	3.0	0.28
3	4	13.0	0.37
3	4	23.0	0.12
3	4	33.0	
3	4	43.0	0.24
3	4	53.0	2.62
3	5	1.5	0.40
3	5	7.5	0.53
3	5	17.5	0.46
3	5	27.5	0.62
3	5	37.5	0.52
3	5	47.5	0.42
3	5	57.5	0.90
3	5	67.5	0.94
3	5	77.5	0.79
3	5	87.5	
3	6	1.5	4.35
3	6	4.4	4.16
3	6	14.4	4.09
3	6	24.4	4.22
3	7	1.5	3.33
3	7	9.0	3.35
3	7	19.0	2.76
3	7	29.0	3.05
3	8	1.5	
3	8	6.7	
3	8	16.7	0.86
3	8	26.7	0.80
3	8	36.7	1.32
3	8	46.7	1.74
3	9	1.5	
3	9	4.0	0.54
3	9	14.0	
3	9	24.0	0.68
3	9	34.0	0.52

TABLE . SW FLORIDA SHELF ECOSYSTEMS STUDY YEAR I; CHLOROPHYLL--TRICHROMATIC METHOD
LISTING OF CORRECTED AND VERIFIED DATA

CRUISE	STATION	DEPTH (M)	CHLOROPHYLL (UG/3000 ML)
3	9	44.0	1.03
3	9	54.0	1.26
3	10	1.5	0.54
3	10	9.0	0.62
3	10	19.0	0.74
3	10	29.0	0.67
3	10	39.0	0.66
3	10	49.0	
3	10	59.0	1.23
3	10	69.0	0.99
3	10	79.0	1.04
3	11	1.5	
3	11	6.5	0.54
3	11	16.5	0.59
3	11	26.5	
3	11	36.5	
3	11	46.5	1.14
3	11	56.5	
3	11	66.5	
3	11	76.5	
3	12	1.5	0.28
3	12	8.0	
3	12	18.0	
3	12	28.0	
3	12	38.0	
3	12	48.0	
3	12	58.0	
3	12	68.0	0.80
3	12	78.0	0.94
3	12	88.0	0.78
3	13	1.5	4.41
3	13	8.0	4.31
3	13	18.0	
3	14	1.5	5.61
3	14	4.7	6.15
3	14	14.7	6.55
3	14	24.7	6.02
3	15	1.5	5.56
3	15	10.5	5.16
3	15	20.5	5.22
3	15	30.5	4.97
3	16	1.5	1.08
3	16	12.0	1.08
3	16	22.0	
3	16	32.0	1.19
3	16	42.0	1.22
3	16	52.0	1.82
3	17	1.5	
3	17	6.7	1.33
3	17	16.7	1.22

TABLE . SW FLORIDA SHELF ECOSYSTEMS STUDY YEAR I; CHLOROPHYLL--TRICHROMATIC METHOD
LISTING OF CORRECTED AND VERIFIED DATA

CRUISE	STATION	DEPTH (M)	CHLOROPHYLL (UG/3000 ML)
3	17	26.7	1.14
3	17	36.7	1.16
3	17	46.7	1.36
3	17	56.7	1.40
3	18	1.5	0.55
3	18	4.1	
3	18	14.1	
3	18	24.1	0.41
3	18	34.1	0.62
3	18	44.1	
3	18	54.1	
3	18	64.1	0.76
3	18	74.1	
3	18	84.1	0.81
3	19	1.5	3.06
3	19	11.0	4.11
3	19	21.0	2.84
3	20	1.5	3.25
3	20	11.4	3.11
3	20	21.4	3.01
3	21	1.5	1.59
3	21	3.3	1.84
3	21	13.3	1.88
3	21	23.3	
3	21	33.3	2.71
3	21	43.3	4.00
3	22	1.5	1.09
3	22	10.3	1.33
3	22	20.3	1.34
3	22	30.3	2.45
3	22	40.3	3.00
3	22	50.3	
3	23	1.5	
3	23	5.5	0.25
3	23	15.5	0.40
3	23	25.5	0.20
3	23	35.5	0.64
3	23	45.5	
3	23	55.5	
3	23	65.5	1.54
3	24	1.5	0.24
3	24	7.5	0.39
3	24	17.5	0.39
3	24	27.5	
3	24	37.5	
3	24	47.5	
3	24	57.5	0.84
3	24	67.5	
3	24	77.5	
3	24	87.5	0.65

TABLE . SW FLORIDA SHELF ECOSYSTEMS STUDY YEAR I; CHLOROPHYLL--TRICHROMATIC METHOD
LISTING OF CORRECTED AND VERIFIED DATA

CRUISE	STATION	DEPTH (M)	CHLOROPHYLL (UG/3000 ML)
3	25	1.5	0.84
3	25	12.3	1.07
3	25	22.3	3.20
3	26	1.5	
3	26	7.2	0.96
3	26	17.2	1.02
3	26	27.2	1.19
3	26	37.2	0.93
3	27	1.5	0.98
3	27	11.8	1.05
3	27	21.8	
3	27	31.8	0.82
3	27	41.8	
3	27	51.8	1.05
3	28	1.5	1.10
3	28	7.3	
3	28	17.3	
3	28	27.3	0.63
3	28	37.3	0.79
3	28	47.3	0.85
3	28	57.3	
3	29	1.5	
3	29	10.0	0.85
3	29	20.0	0.42
3	29	30.0	0.44
3	29	40.0	1.22
3	29	50.0	
3	29	60.0	
3	30	1.5	
3	30	4.4	
3	30	14.4	
3	30	24.4	
3	30	34.4	2.06
3	30	44.4	
3	30	54.4	1.26
3	30	64.4	
3	30	74.4	0.98
4	1	12.3	0.40
4	1	22.3	0.91
4	2	1.5	0.27
4	2	2.9	0.50
4	2	12.9	0.28
4	2	22.9	1.01
4	3	1.5	0.28
4	3	9.8	0.00
4	3	19.8	0.25
4	3	29.8	0.51
4	3	39.8	1.34
4	3	49.8	3.04
4	4	1.5	0.41

TABLE . SW FLORIDA SHELF ECOSYSTEMS STUDY YEAR I; CHLOROPHYLL--TRICHROMATIC METHOD
LISTING OF CORRECTED AND VERIFIED DATA

CRUISE	STATION	DEPTH (M)	CHLOROPHYLL (UG/3000 ML)
4	4	4.3	0.39
4	4	14.3	0.13
4	4	24.3	0.15
4	4	34.3	0.48
4	4	44.3	2.02
4	4	54.3	1.89
4	5	1.5	0.14
4	5	9.3	0.00
4	5	19.3	0.16
4	5	29.3	0.28
4	5	39.3	0.14
4	5	49.3	0.27
4	5	59.3	0.40
4	5	69.3	0.68
4	5	79.3	1.05
4	5	89.3	1.02
4	6	1.5	0.50
4	6	5.0	0.52
4	6	15.0	0.28
4	6	25.0	0.51
4	7	1.5	0.52
4	7	8.9	0.50
4	7	18.9	0.79
4	7	28.9	0.66
4	8	1.5	0.30
4	8	7.0	0.41
4	8	17.0	0.42
4	8	27.0	0.94
4	8	37.0	0.26
4	8	47.0	0.41
4	9	1.5	0.38
4	9	4.5	0.00
4	9	14.5	0.15
4	9	24.5	0.25
4	9	34.5	0.27
4	9	44.5	1.99
4	9	54.5	1.78
4	10	1.5	0.12
4	10	9.8	0.15
4	10	19.8	0.12
4	10	29.8	0.00
4	10	39.8	0.23
4	10	49.8	0.27
4	10	59.8	1.06
4	10	69.8	1.34
4	11	1.5	0.27
4	11	6.2	0.12
4	11	16.2	0.23
4	11	26.2	0.37
4	11	36.2	0.12

TABLE . SW FLORIDA SHELF ECOSYSTEMS STUDY YEAR I; CHLOROPHYLL--TRICHROMATIC METHOD
LISTING OF CORRECTED AND VERIFIED DATA

CRUISE	STATION	DEPTH (M)	CHLOROPHYLL (UG/3000 ML)
4	11	46.2	0.26
4	11	56.2	0.64
4	11	66.2	0.92
4	11	76.2	0.96
4	12	1.5	0.11
4	12	8.5	0.14
4	12	18.5	0.14
4	12	38.5	0.28
4	12	58.5	0.76
4	12	68.5	0.80
4	12	78.5	0.97
4	12	88.5	1.09
4	13	1.5	0.63
4	13	8.3	0.75
4	13	18.3	1.72
4	14	1.5	0.65
4	14	4.5	0.55
4	14	14.5	0.30
4	15	1.5	0.14
4	15	9.5	0.28
4	15	19.5	0.39
4	15	29.5	1.64
4	16	1.5	0.51
4	16	12.4	0.14
4	16	22.4	0.26
4	16	32.4	0.55
4	16	42.4	2.05
4	16	52.4	1.49
4	17	1.5	0.37
4	17	7.0	0.26
4	17	17.0	0.26
4	17	27.0	0.49
4	17	47.0	1.35
4	17	57.0	1.83
4	18	1.5	0.28
4	18	15.1	0.00
4	18	25.1	0.27
4	18	35.1	0.12
4	18	45.1	0.36
4	18	55.1	1.59
4	18	65.1	0.13
4	18	85.1	0.76
4	19	1.5	0.57
4	19	11.0	0.64
4	19	21.0	2.60
4	20	1.5	0.76
4	20	11.0	0.59
4	20	21.0	2.32
4	21	1.5	0.00
4	21	3.0	0.26

TABLE . SW FLORIDA SHELF ECOSYSTEMS STUDY YEAR I; CHLOROPHYLL--TRICHROMATIC METHOD
LISTING OF CORRECTED AND VERIFIED DATA

CRUISE	STATION	DEPTH (M)	CHLOROPHYLL (UG/3000 ML)
4	21	13.0	0.25
4	21	23.0	0.14
4	21	33.0	0.13
4	21	43.0	1.08
4	22	1.5	0.00
4	22	11.3	0.14
4	22	21.3	0.26
4	22	31.3	0.25
4	22	41.3	0.67
4	22	51.3	1.82
4	23	1.5	0.38
4	23	8.5	0.13
4	23	18.5	0.14
4	23	28.5	0.13
4	23	38.5	0.26
4	23	48.5	0.15
4	23	58.5	0.41
4	23	68.5	1.29
4	24	1.5	0.25
4	24	16.9	0.11
4	24	26.9	0.25
4	24	36.9	0.12
4	24	46.9	0.63
4	24	56.9	0.44
4	24	66.9	0.98
4	24	86.9	1.48
4	25	1.5	0.53
4	25	2.5	0.38
4	25	12.5	1.54
4	25	22.5	2.06
4	26	1.5	0.01
4	26	6.6	0.12
4	26	16.6	0.16
4	26	26.6	0.14
4	26	36.6	0.97
4	27	11.5	0.02
4	27	21.5	0.28
4	27	31.5	0.14
4	27	51.5	1.78
4	28	1.5	0.27
4	28	7.0	0.38
4	28	17.0	0.26
4	28	27.0	0.30
4	28	37.0	0.48
4	28	47.0	1.86
4	28	57.0	2.02
4	29	1.5	0.29
4	29	9.5	0.15
4	29	19.5	0.39
4	29	29.5	2.36

TABLE . SW FLORIDA SHELF ECOSYSTEMS STUDY YEAR I; CHLOROPHYLL--TRICHROMATIC METHOD
LISTING OF CORRECTED AND VERIFIED DATA

CRUISE	STATION	DEPTH (M)	CHLOROPHYLL (UG/3000 ML)
4	29	39.5	2.14
4	29	49.5	1.98
4	29	59.5	1.98
4	30	1.5	0.28
4	30	4.5	0.14
4	30	14.5	0.14
4	30	24.5	0.14
4	30	34.5	0.56
4	30	54.5	1.65
4	30	64.5	3.75
4	30	74.5	1.63

NOTE: CRUISE NUMBERS "3" AND "4" REPRESENT THE FALL (OCTOBER 25-NOVEMBER 23, 1980) AND SPRING (APRIL 22-MAY 5, 1981) CRUISES, RESPECTIVELY.

TABLE . SW FLORIDA SHELF ECOSYSTEMS STUDY YEAR II; CHLOROPHYLL--TRICHROMATIC METHOD (CLT)
LISTING OF CORRECTED AND VERIFIED DATA.

CRUISE	STATION	DEPTH (M)	CHLOROPHYLL (UG/3000 ML)
2	01	1.5	1.4
2	01	3.5	1.2
2	01	13.5	0.9
2	01	23.5	2.9
2	04	1.5	0.1
2	04	7.0	0.4
2	04	17.0	0.1
2	04	27.0	0.3
2	04	37.0	0.6
2	04	47.0	1.4*
2	04	57.0	1.3*
2	06	1.5	0.4
2	06	4.5	0.8
2	06	14.5	0.6
2	06	24.5	2.5
2	09	1.5	0.4
2	09	8.0	0.3
2	09	18.0	0.4
2	09	28.0	0.5
2	09	38.0	0.8
2	09	48.0	1.7*
2	09	58.0	1.7*
2	13	1.5	1.2
2	13	10.5	1.2
2	13	20.5	1.1
2	16	1.5	0.5
2	16	7.0	0.1
2	16	17.0	0.3
2	16	27.0	0.1
2	16	37.0	0.3
2	16	47.0	1.1
2	16	57.0	1.4
2	20	1.5	1.1*
2	20	3.3	1.2
2	20	13.3	0.9
2	20	23.3	1.2*
2	22	1.5	0.3
2	22	6.0	0.5
2	22	16.0	0.1
2	22	26.0	0.3
2	22	36.0	0.5
2	22	46.0	1.0
2	22	56.0	1.6
2	25	1.5	0.7
2	25	3.5	1.1*
2	25	13.5	1.6*
2	25	23.5	2.0*
2	28	1.5	0.3
2	28	2.8	0.6
2	28	12.8	0.3

TABLE . SW FLORIDA SHELF ECOSYSTEMS STUDY YEAR II; CHLOROPHYLL--TRICHROMATIC METHOD (CLT)
LISTING OF CORRECTED AND VERIFIED DATA.

CRUISE	STATION	DEPTH (M)	CHLOROPHYLL (UG/3000 ML)
2	28	22.8	0.2
2	28	32.8	0.5
2	28	42.8	0.7
2	28	52.8	1.6
2	28	62.8	1.3
2	31	1.5	0.2
2	31	8.5	0.0
2	31	18.0	0.1
2	31	27.5	0.2
2	31	37.0	0.8
2	31	46.5	0.6
2	31	56.0	0.7
2	31	65.5	1.0
2	31	75.0	0.8
2	31	84.5	1.1*
2	31	94.0	0.8*
2	31	103.5	0.5
2	31	113.0	0.3
2	31	122.5	0.1
2	31	132.0	0.1
2	31	141.5	0.1
2	33	1.5	0.0
2	33	4.0	0.3
2	33	14.0	0.3
2	33	24.0	0.1
2	33	34.0	0.1
2	33	44.0	0.1
2	33	54.0	0.3
2	33	64.0	0.3
2	33	74.0	0.5
2	33	84.0	0.7
2	33	94.0	0.7
2	33	104.0	0.7
2	33	114.0	0.4
2	33	124.0	0.4
2	33	134.0	-0.2
2	33	144.0	0.1
2	35	1.5	0.1
2	35	7.5	0.1
2	35	17.5	0.3
2	35	27.5	0.3
2	35	37.5	0.7
2	35	47.5	2.0
2	35	57.5	2.3
2	35	67.5	1.1
2	35	77.5	0.3
2	35	87.5	0.4
2	35	97.5	2.0
2	35	107.5	1.9
2	35	117.5	3.7

TABLE . SW FLORIDA SHELF ECOSYSTEMS STUDY YEAR II; CHLOROPHYLL--TRICHROMATIC METHOD (CLT)
LISTING OF CORRECTED AND VERIFIED DATA.

CRUISE	STATION	DEPTH (M)	CHLOROPHYLL (UG/3000 ML)
2	35	127.5	0.9
2	35	137.5	0.4
2	35	147.5	0.4
2	35	157.5	0.6
2	38	1.5	0.2
2	38	7.5	0.2
2	38	17.5	0.3
2	38	27.5	0.2
2	38	37.5	0.4
2	38	47.5	0.6
2	38	57.5	1.2
2	38	67.5	1.5
2	38	77.5	1.5
2	38	87.5	3.1
2	38	97.5	3.1
2	38	107.5	1.3
2	38	117.5	0.6
2	38	127.5	0.1
2	38	137.5	0.1
2	38	147.5	0.1
2	38	157.5	0.0
2	39	1.5	0.2
2	39	10.0	0.4
2	39	20.0	0.3
2	39	30.0	0.4
2	39	40.0	0.5
2	39	50.0	0.7
2	39	60.0	0.7
2	39	70.0	1.1
2	39	80.0	0.9
2	39	90.0	0.5
2	39	100.0	0.4
2	39	110.0	0.3
2	39	120.0	0.0
2	39	130.0	0.1
2	39	140.0	0.1
2	39	150.0	0.0
3	1	1.5	0.41
3	1	4.5	0.74
3	1	14.5	0.68
3	1	24.5	1.12
3	4	1.5	0.66
3	4	7.0	0.65
3	4	17.0	0.58
3	4	27.0	0.78
3	4	37.0	0.64
3	4	47.0	0.87
3	4	57.0	1.15
3	6	1.5	0.39
3	6	6.5	0.61

TABLE . SW FLORIDA SHELF ECOSYSTEMS STUDY YEAR II; CHLOROPHYLL--TRICHROMATIC METHOD (CLT)
LISTING OF CORRECTED AND VERIFIED DATA.

CRUISE	STATION	DEPTH (M)	CHLOROPHYLL (UG/3000 ML)
3	6	16.5	1.30
3	6	26.5	0.43
3	9	1.5	0.28
3	9	8.5	0.30
3	9	18.5	0.44
3	9	28.5	0.70
3	9	38.5	0.83
3	9	48.5	1.02
3	9	58.5	0.99
3	13	2.0	0.72
3	13	12.0	1.25
3	13	22.0	1.07
3	16	1.5	0.29
3	16	7.5	0.15
3	16	17.5	0.40
3	16	27.5	0.48
3	16	37.5	0.94
3	16	47.5	1.59
3	16	57.5	1.66
3	20	2.5	0.54
3	20	12.5	0.81
3	20	22.5	0.85
3	22	1.5	0.54
3	22	6.5	0.54
3	22	16.5	0.55
3	22	26.5	0.71
3	22	36.5	1.79
3	22	46.5	2.20
3	22	56.5	1.91
3	25	1.5	0.57
3	25	3.0	0.69
3	25	13.0	0.58
3	25	23.0	0.99
3	28	1.5	0.41
3	28	2.8	0.16
3	28	12.8	0.27
3	28	22.8	0.28
3	28	32.8	0.24
3	28	42.8	0.54
3	28	52.8	1.13
3	28	62.8	1.44
3	31	1.5	1.06
3	31	12.0	0.79
3	31	22.0	1.36
3	31	32.0	1.37
3	31	42.0	1.01
3	31	52.0	1.10
3	31	62.0	0.68
3	31	72.0	0.64
3	31	82.0	0.36

TABLE . SW FLORIDA SHELF ECOSYSTEMS STUDY YEAR II; CHLOROPHYLL--TRICHROMATIC METHOD (CLT)
LISTING OF CORRECTED AND VERIFIED DATA.

CRUISE	STATION	DEPTH (M)	CHLOROPHYLL (UG/3000 ML)
3	31	92.0	0.29
3	31	102.0	0.11
3	31	112.0	0.02
3	31	122.0	0.39
3	31	132.0	0.15
3	31	142.0	0.13
3	33	1.5	0.51
3	33	4.0	0.40
3	33	14.0	0.42
3	33	24.0	0.54
3	33	34.0	0.54
3	33	44.0	1.51
3	33	54.0	1.36
3	33	64.0	0.66
3	33	74.0	0.82
3	33	84.0	0.82
3	33	94.0	0.40
3	33	104.0	0.26
3	33	114.0	0.28
3	33	124.0	0.16
3	33	134.0	0.02
3	33	144.0	0.13
3	35	1.5	0.39
3	35	7.5	0.68
3	35	17.5	0.62
3	35	27.5	0.53
3	35	37.5	0.57
3	35	47.5	0.70
3	35	57.5	0.28
3	35	67.5	0.92
3	35	77.5	0.05
3	35	87.5	0.55
3	35	97.5	0.41
3	35	107.5	0.42
3	35	117.5	0.56
3	35	127.5	0.56
3	35	137.5	1.00
3	35	147.5	1.11
3	35	157.5	0.82
3	38	1.5	0.79
3	38	7.5	0.55
3	38	17.5	0.42
3	38	27.5	0.57
3	38	37.5	0.27
3	38	47.5	0.83
3	38	57.5	1.60
3	38	67.5	0.96
3	38	77.5	0.56
3	38	87.5	0.52
3	38	97.5	0.40

TABLE . SW FLORIDA SHELF ECOSYSTEMS STUDY YEAR II; CHLOROPHYLL--TRICHROMATIC METHOD (CLT) LISTING OF CORRECTED AND VERIFIED DATA.

CRUISE	STATION	DEPTH (M)	CHLOROPHYLL (UG/3000 ML)
3	38	107.5	0.43
3	38	117.5	0.28
3	38	127.5	0.41
3	38	137.5	0.66
3	38	147.5	0.02
3	38	157.5	0.13
3	39	1.5	0.12
3	39	8.5	0.40
3	39	18.5	0.37
3	39	28.5	0.14
3	39	38.5	0.81
3	39	48.5	0.99
3	39	58.5	0.80
3	39	68.5	0.57
3	39	78.5	0.42
3	39	88.5	0.23
3	39	98.5	0.27
3	39	108.5	0.25
3	39	118.5	0.14
3	39	128.5	0.24
3	39	138.5	0.25
3	39	148.5	-0.02

NOTE: CRUISE NUMBERS "2" AND "3" REPRESENT THE SUMMER (JULY 16-AUGUST 5, 1981) AND WINTER (JANUARY 28-FEBRUARY 15, 1982) CRUISES, RESPECTIVELY.

AN "*" INDICATES THAT THE VALUE LISTED IS A MEAN OF DUPLICATE ANALYSES RUN ON A GIVEN SAMPLE.

NEGATIVE VALUES INDICATE ABNORMALLY INCREASED ABSORPTION AT 750 NM.

TABLE . SW FLORIDA SHELF ECOSYSTEMS STUDY YEAR I; PHAEOPIGMENTS--ACID METHOD (PHA)
LISTING OF CORRECTED AND VERIFIED DATA.

CRUISE	STATION	DEPTH (M)	PHAEOPIGMENTS (UG/3000 ML)
3	1	1.5	0.21
3	1	3.0	
3	1	13.0	0.68
3	1	23.0	
3	2	1.5	0.16
3	2	2.5	0.34
3	2	12.5	
3	2	22.5	0.59
3	3	1.5	
3	3	7.5	
3	3	17.5	
3	3	27.5	0.63
3	3	37.5	1.02
3	3	47.5	0.44
3	4	1.5	0.13
3	4	3.0	
3	4	13.0	0.12
3	4	23.0	0.77
3	4	33.0	
3	4	43.0	0.45
3	4	53.0	2.78
3	5	1.5	
3	5	7.5	0.90
3	5	17.5	
3	5	27.5	
3	5	37.5	1.44
3	5	47.5	1.22
3	5	57.5	
3	5	67.5	
3	5	77.5	0.26
3	5	87.5	
3	6	1.5	
3	6	4.4	0.55
3	6	14.4	0.94
3	6	24.4	
3	7	1.5	0.04
3	7	9.0	0.50
3	7	19.0	1.08
3	7	29.0	0.96
3	8	1.5	
3	8	6.7	
3	8	16.7	
3	8	26.7	
3	8	36.7	
3	8	46.7	0.34
3	9	1.5	
3	9	4.0	0.92
3	9	14.0	
3	9	24.0	
3	9	34.0	0.92

TABLE . SW FLORIDA SHELF ECOSYSTEMS STUDY YEAR I; PHAEOPIGMENTS--ACID METHOD (PHA)
LISTING OF CORRECTED AND VERIFIED DATA.

CRUISE	STATION	DEPTH (M)	PHAEOPIGMENTS (UG/3000 ML)
3	9	44.0	0.52
3	9	54.0	0.19
3	10	1.5	0.36
3	10	9.0	0.03
3	10	19.0	
3	10	29.0	0.03
3	10	39.0	1.67
3	10	49.0	
3	10	59.0	0.39
3	10	69.0	1.68
3	10	79.0	1.80
3	11	1.5	
3	11	6.5	
3	11	16.5	
3	11	26.5	
3	11	36.5	
3	11	46.5	
3	11	56.5	
3	11	66.5	
3	11	76.5	
3	12	1.5	0.45
3	12	8.0	
3	12	18.0	
3	12	28.0	
3	12	38.0	
3	12	48.0	
3	12	58.0	
3	12	68.0	
3	12	78.0	0.51
3	12	88.0	0.41
3	13	1.5	0.10
3	13	8.0	1.56
3	13	18.0	
3	14	1.5	1.79
3	14	4.7	1.40
3	14	14.7	2.27
3	14	24.7	0.29
3	15	1.5	0.48
3	15	10.5	1.27
3	15	20.5	0.05
3	15	30.5	1.18
3	16	1.5	
3	16	12.0	
3	16	22.0	
3	16	32.0	0.24
3	16	42.0	1.51
3	16	52.0	1.36
3	17	1.5	
3	17	6.7	0.07
3	17	16.7	1.55

TABLE . SW FLORIDA SHELF ECOSYSTEMS STUDY YEAR I; PHAEOPIGMENTS--ACID METHOD (PHA)
LISTING OF CORRECTED AND VERIFIED DATA.

CRUISE	STATION	DEPTH (M)	PHAEOPIGMENTS (UG/3000 ML)
3	17	26.7	0.17
3	17	36.7	0.37
3	17	46.7	0.07
3	17	56.7	
3	18	1.5	0.37
3	18	4.1	
3	18	14.1	
3	18	24.1	1.26
3	18	34.1	0.03
3	18	44.1	
3	18	54.1	
3	18	64.1	1.32
3	18	74.1	
3	18	84.1	
3	19	1.5	0.77
3	19	11.0	
3	19	21.0	0.91
3	20	1.5	1.03
3	20	11.4	2.48
3	20	21.4	1.70
3	21	1.5	0.68
3	21	3.3	0.79
3	21	13.3	
3	21	23.3	
3	21	33.3	
3	21	43.3	0.73
3	22	1.5	
3	22	10.3	0.62
3	22	20.3	0.62
3	22	30.3	0.03
3	22	40.3	0.38
3	22	50.3	
3	23	1.5	
3	23	5.5	2.12
3	23	15.5	
3	23	25.5	0.01
3	23	35.5	0.04
3	23	45.5	
3	23	55.5	
3	23	65.5	
3	24	1.5	0.98
3	24	7.5	0.70
3	24	17.5	0.66
3	24	27.5	
3	24	37.5	
3	24	47.5	
3	24	57.5	2.62
3	24	67.5	
3	24	77.5	
3	24	87.5	0.03

TABLE . SW FLORIDA SHELF ECOSYSTEMS STUDY YEAR I; PHAEOPIGMENTS--ACID METHOD (PHA)
LISTING OF CORRECTED AND VERIFIED DATA.

CRUISE	STATION	DEPTH (M)	PHAEOPIGMENTS (UG/3000 ML)
3	25	1.5	0.84
3	25	12.3	0.15
3	25	22.3	2.74
3	26	1.5	
3	26	7.2	
3	26	17.2	
3	26	27.2	
3	26	37.2	1.56
3	27	1.5	0.50
3	27	11.8	0.15
3	27	21.8	
3	27	31.8	1.37
3	27	41.8	
3	27	51.8	
3	28	1.5	
3	28	7.3	
3	28	17.3	
3	28	27.3	0.54
3	28	37.3	0.78
3	28	47.3	0.27
3	28	57.3	
3	29	1.5	
3	29	10.0	0.27
3	29	20.0	0.14
3	29	30.0	0.14
3	29	40.0	0.41
3	29	50.0	
3	29	60.0	
3	30	1.5	
3	30	4.4	
3	30	14.4	
3	30	24.4	
3	30	34.4	1.36
3	30	44.4	
3	30	54.4	0.06
3	30	64.4	
3	30	74.4	
4	1	22.3	0.47
4	2	2.9	0.31
4	2	22.9	0.68
4	3	39.8	0.76
4	3	49.8	1.49
4	4	44.3	0.82
4	4	54.3	1.13
4	5	79.3	1.23
4	5	89.3	0.69
4	7	18.9	0.79
4	7	28.9	0.57
4	8	7.0	0.13
4	8	27.0	1.02

TABLE . SW FLORIDA SHELF ECOSYSTEMS STUDY YEAR I; PHAEOPIGMENTS--ACID METHOD (PHA)
LISTING OF CORRECTED AND VERIFIED DATA.

CRUISE	STATION	DEPTH (M)	PHAEOPIGMENTS (UG/3000 ML)
4	8	47.0	0.14
4	9	1.5	0.13
4	9	44.5	0.30
4	9	54.5	0.19
4	10	9.8	0.77
4	10	59.8	1.27
4	10	69.8	0.06
4	11	56.2	0.56
4	11	66.2	1.02
4	11	76.2	0.50
4	12	58.5	0.76
4	12	68.5	0.25
4	12	78.5	0.51
4	12	88.5	0.16
4	13	8.3	0.24
4	13	18.3	0.89
4	14	1.5	0.04
4	14	4.5	0.35
4	15	29.5	0.18
4	16	1.5	0.33
4	16	32.4	1.43
4	16	42.4	
4	16	52.4	0.83
4	17	47.0	0.78
4	17	57.0	0.41
4	18	85.1	0.76
4	19	1.5	0.38
4	19	11.0	0.03
4	19	21.0	1.16
4	20	21.0	0.74
4	21	43.0	0.16
4	22	41.3	0.03
4	23	1.5	0.13
4	23	58.5	0.13
4	23	68.5	0.06
4	24	66.9	
4	24	86.9	0.29
4	25	2.5	0.13
4	25	12.5	1.00
4	25	22.5	0.83
4	26	36.6	0.15
4	27	51.5	0.20
4	28	37.0	0.33
4	28	47.0	0.42
4	28	57.0	0.64
4	29	19.5	0.13
4	29	29.5	0.56
4	29	39.5	1.38
4	29	49.5	0.63
4	29	59.5	0.09

TABLE . SW FLORIDA SHELF ECOSYSTEMS STUDY YEAR I; PHAEOPIGMENTS--ACID METHOD (PHA)
LISTING OF CORRECTED AND VERIFIED DATA.

CRUISE	STATION	DEPTH (M)	PHAEOPIGMENTS (UG/3000 ML)
4	30	54.5	0.53
4	30	64.5	2.06
4	30	74.5	1.07

NOTE: CRUISE NUMBERS "3" AND "4" REPRESENT THE FALL (OCTOBER 25-NOVEMBER 23, 1980) AND SPRING (APRIL 22-MAY 5, 1981) CRUISES, RESPECTIVELY.

TABLE . SW FLORIDA SHELF ECOSYSTEMS STUDY YEAR II; PHAEOPIGMENTS--ACID METHOD (PHA)
LISTING OF CORRECTED AND VERIFIED DATA.

CRUISE	STATION	DEPTH (M)	PHAEOPIGMENTS (UG/3000 ML)
2	1	1.5	0.3
2	1	3.5	0.9
2	1	23.5	1.3
2	4	7.0	-0.4
2	4	37.0	-0.2
2	4	47.0	0.7
2	4	57.0	0.9
2	6	1.5	0.1
2	6	4.5	-0.3
2	6	14.5	-0.5
2	6	24.5	0.5
2	9	1.5	-0.4
2	9	8.0	0.5
2	9	18.0	-0.4
2	9	28.0	-0.8
2	9	38.0	0.0
2	9	48.0	0.3
2	9	58.0	0.3
2	13	1.5	0.4
2	13	10.5	0.1
2	13	20.5	0.9
2	16	1.5	-0.7
2	16	7.0	0.7
2	16	17.0	-0.1
2	16	47.0	0.2
2	16	57.0	0.6
2	20	1.5	0.3
2	20	3.3	0.4
2	20	13.3	0.9
2	20	23.3	0.4
2	22	1.5	0.5
2	22	6.0	-0.5
2	22	36.0	-0.2
2	22	46.0	1.1
2	22	56.0	0.9
2	25	1.5	-0.3
2	25	3.5	-0.9
2	25	13.5	0.1
2	25	23.5	-0.1
2	28	1.5	0.5
2	28	2.8	-0.2
2	28	32.8	-0.2
2	28	42.8	0.0
2	28	52.8	1.1
2	28	62.8	0.4
2	31	37.0	1.3
2	31	46.5	1.6
2	31	56.0	1.8
2	31	65.5	1.6
2	31	75.0	0.3

TABLE . SW FLORIDA SHELF ECOSYSTEMS STUDY YEAR II; PHAEOPIGMENTS--ACID METHOD (PHA)
LISTING OF CORRECTED AND VERIFIED DATA.

CRUISE	STATION	DEPTH (M)	PHAEOPIGMENTS (UG/3000 ML)
2	31	84.5	0.1
2	31	94.0	0.1
2	31	103.5	0.4
2	33	74.0	0.3
2	33	84.0	-0.3
2	33	94.0	0.0
2	33	104.0	-1.2
2	33	114.0	-1.0
2	33	124.0	0.1
2	35	37.5	1.2
2	35	47.5	1.0
2	35	57.5	1.0
2	35	67.5	0.7
2	35	87.5	0.1
2	35	97.5	0.5
2	35	107.5	1.0
2	35	117.5	1.7
2	35	127.5	0.3
2	35	137.5	0.7
2	35	147.5	1.2
2	35	157.5	0.4
2	38	37.5	-1.0
2	38	47.5	0.9
2	38	57.5	1.0
2	38	67.5	-0.3
2	38	77.5	0.7
2	38	87.5	0.0
2	38	97.5	0.6
2	38	107.5	-0.2
2	38	117.5	-0.2
2	39	1.5	0.4
2	39	10.0	-0.4
2	39	20.0	-0.1
2	39	30.0	-0.4
2	39	40.0	-0.7
2	39	50.0	0.0
2	39	60.0	-0.5
2	39	70.0	0.2
2	39	80.0	0.9
2	39	90.0	0.9
2	39	100.0	0.7
2	39	110.0	-0.1
3	01	1.5	0.66
3	01	4.5	-1.26
3	01	14.5	0.03
3	01	24.5	1.29
3	04	1.5	0.56
3	04	7.0	1.07
3	04	17.0	0.93
3	04	27.0	0.77

TABLE . SW FLORIDA SHELF ECOSYSTEMS STUDY YEAR II; PHAEOPIGMENTS--ACID METHOD (PHA)
LISTING OF CORRECTED AND VERIFIED DATA.

CRUISE	STATION	DEPTH (M)	PHAEOPIGMENTS (UG/3000 ML)
3	04	37.0	1.09
3	04	47.0	-0.57
3	04	57.0	0.46
3	06	1.5	0.12
3	06	6.5	-0.47
3	06	16.5	0.59
3	06	26.5	1.84
3	09	1.5	0.45
3	09	8.5	0.46
3	09	18.5	0.13
3	09	28.5	-0.53
3	09	38.5	0.27
3	09	48.5	1.70
3	09	58.5	-0.64
3	13	2.0	0.62
3	13	12.0	-0.17
3	13	22.0	-0.38
3	16	7.5	0.24
3	16	17.5	-0.41
3	16	27.5	-0.18
3	16	37.5	0.48
3	16	47.5	-0.27
3	16	57.5	0.89
3	20	2.5	0.37
3	20	12.5	0.26
3	20	22.5	0.26
3	22	1.5	-0.20
3	22	6.5	0.37
3	22	16.5	-0.76
3	22	26.5	0.64
3	22	36.5	0.77
3	22	46.5	0.89
3	22	56.5	0.43
3	25	1.5	-0.20
3	25	3.0	0.03
3	25	13.0	0.37
3	25	23.0	0.50
3	28	1.5	-0.42
3	28	2.8	0.23
3	28	12.8	-1.16
3	28	22.8	0.46
3	28	42.8	-0.19
3	28	52.8	0.73
3	28	62.8	1.34
3	31	1.5	-0.38
3	31	12.0	0.25
3	31	22.0	0.07
3	31	32.0	0.61
3	31	42.0	0.52
3	31	52.0	-0.40

TABLE . SW FLORIDA SHELF ECOSYSTEMS STUDY YEAR II; PHAEOPIGMENTS--ACID METHOD (PHA)
LISTING OF CORRECTED AND VERIFIED DATA.

CRUISE	STATION	DEPTH (M)	PHAEOPIGMENTS (UG/3000 ML)
3	31	62.0	0.03
3	31	72.0	1.09
3	31	82.0	0.63
3	31	92.0	1.03
3	31	122.0	-0.43
3	33	1.5	-0.19
3	33	4.0	0.70
3	33	14.0	0.13
3	33	24.0	-0.19
3	33	34.0	-0.19
3	33	44.0	0.48
3	33	54.0	-0.49
3	33	64.0	0.03
3	33	74.0	0.27
3	33	84.0	0.26
3	33	94.0	1.21
3	33	104.0	-0.10
3	35	1.5	0.68
3	35	7.5	-1.08
3	35	17.5	-1.00
3	35	27.5	-0.19
3	35	37.5	0.37
3	35	47.5	0.03
3	35	57.5	0.45
3	35	67.5	-0.06
3	35	87.5	0.94
3	35	97.5	1.26
3	35	107.5	0.13
3	35	117.5	0.36
3	35	127.5	0.36
3	35	137.5	-0.65
3	35	147.5	0.73
3	35	157.5	-0.06
3	38	1.5	-0.28
3	38	7.5	-0.19
3	38	17.5	0.71
3	38	27.5	-0.20
3	38	37.5	-0.10
3	38	47.5	0.26
3	38	57.5	-0.03
3	38	67.5	-0.07
3	38	77.5	0.93
3	38	87.5	-0.20
3	38	97.5	0.13
3	38	107.5	0.72
3	38	117.5	-0.68
3	38	127.5	-0.99
3	38	137.5	-0.57
3	38	157.5	0.24
3	39	8.5	0.67

TABLE . SW FLORIDA SHELF ECOSYSTEMS STUDY YEAR II; PHAEOPIGMENTS--ACID METHOD (PHA)
LISTING OF CORRECTED AND VERIFIED DATA.

CRUISE	STATION	DEPTH (M)	PHAEOPIGMENTS (UG/3000 ML)
3	39	18.5	0.12
3	39	38.5	0.26
3	39	48.5	0.50
3	39	58.5	0.80
3	39	68.5	0.94
3	39	78.5	0.14

NOTE: CRUISE NUMBERS "2" AND "3" REPRESENT THE SUMMER (JULY 16-AUGUST 5, 1981) AND WINTER (JANUARY 28-FEBRUARY 15, 1982) CRUISES, RESPECTIVELY.

NEGATIVE VALUES INDICATE ABNORMALLY INCREASED ABSORPTION AT 750 NM.

TABLE . SW FLORIDA SHELF ECOSYSTEMS STUDY YEAR I; PHAEOPIGMENTS--FLUOROMETER METHOD (PHF)
LISTING OF CORRECTED AND VERIFIED DATA.

CRUISE	STATION	DEPTH (M)	PHAEOPIGMENTS (UG/3000 ML)
3	1	1.5	
3	1	3.0	
3	1	13.0	
3	1	23.0	
3	2	1.5	
3	2	2.5	
3	2	12.5	
3	2	22.5	
3	3	1.5	0.17
3	3	7.5	
3	3	17.5	0.20
3	3	27.5	0.23
3	3	37.5	0.68
3	3	47.5	0.76
3	4	1.5	0.19
3	4	3.0	0.09
3	4	13.0	0.14
3	4	23.0	0.10
3	4	33.0	0.10
3	4	43.0	0.17
3	4	53.0	
3	5	1.5	0.19
3	5	7.5	
3	5	17.5	0.22
3	5	27.5	0.18
3	5	37.5	0.29
3	5	47.5	0.23
3	5	57.5	0.70
3	5	67.5	0.76
3	5	77.5	0.63
3	5	87.5	0.41
3	6	1.5	
3	6	4.4	
3	6	14.4	
3	6	24.4	
3	7	1.5	
3	7	9.0	
3	7	19.0	
3	7	29.0	
3	8	1.5	0.32
3	8	6.7	0.23
3	8	16.7	0.36
3	8	26.7	0.33
3	8	36.7	0.37
3	8	46.7	0.82
3	9	1.5	0.22
3	9	4.0	0.37
3	9	14.0	0.23
3	9	24.0	0.24
3	9	34.0	0.23

TABLE . SW FLORIDA SHELF ECOSYSTEMS STUDY YEAR I; PHAEOPIGMENTS--FLUOROMETER METHOD (PHF)
LISTING OF CORRECTED AND VERIFIED DATA.

CRUISE	STATION	DEPTH (M)	PHAEOPIGMENTS (UG/3000 ML)
3	9	44.0	0.58
3	9	54.0	0.71
3	10	1.5	0.25
3	10	9.0	0.20
3	10	19.0	0.22
3	10	29.0	0.30
3	10	39.0	0.26
3	10	49.0	0.52
3	10	59.0	0.95
3	10	69.0	1.12
3	10	79.0	1.19
3	11	1.5	0.17
3	11	6.5	0.21
3	11	16.5	0.24
3	11	26.5	0.18
3	11	36.5	0.16
3	11	46.5	0.63
3	11	56.5	0.59
3	11	66.5	0.91
3	11	76.5	0.71
3	12	1.5	0.16
3	12	8.0	0.15
3	12	18.0	0.14
3	12	28.0	0.13
3	12	38.0	0.34
3	12	48.0	0.51
3	12	58.0	1.01
3	12	68.0	0.87
3	12	78.0	0.67
3	12	88.0	
3	13	1.5	
3	13	8.0	
3	13	18.0	1.22
3	14	1.5	
3	14	4.7	
3	14	14.7	
3	14	24.7	
3	15	1.5	
3	15	10.5	
3	15	20.5	
3	15	30.5	
3	16	1.5	0.47
3	16	12.0	
3	16	22.0	0.37
3	16	32.0	
3	16	42.0	0.55
3	16	52.0	
3	17	1.5	0.53
3	17	6.7	0.66
3	17	16.7	0.62

TABLE . SW FLORIDA SHELF ECOSYSTEMS STUDY YEAR I; PHAEOPIGMENTS--FLUOROMETER METHOD (PHF)
LISTING OF CORRECTED AND VERIFIED DATA.

CRUISE	STATION	DEPTH (M)	PHAEOPIGMENTS (UG/3000 ML)
3	17	26.7	0.53
3	17	36.7	0.59
3	17	46.7	
3	17	56.7	
3	18	1.5	0.25
3	18	4.1	0.26
3	18	14.1	0.25
3	18	24.1	0.27
3	18	34.1	0.32
3	18	44.1	0.21
3	18	54.1	0.52
3	18	64.1	0.89
3	18	74.1	0.77
3	18	84.1	0.72
3	19	1.5	
3	19	11.0	
3	19	21.0	
3	20	1.5	
3	20	11.4	
3	20	21.4	
3	21	1.5	
3	21	3.3	
3	21	13.3	
3	21	23.3	0.91
3	21	33.3	
3	21	43.3	
3	22	1.5	0.43
3	22	10.3	0.45
3	22	20.3	0.50
3	22	30.3	
3	22	40.3	
3	22	50.3	0.65
3	23	1.5	0.10
3	23	5.5	0.19
3	23	15.5	0.20
3	23	25.5	
3	23	35.5	0.18
3	23	45.5	0.13
3	23	55.5	0.15
3	23	65.5	
3	24	1.5	0.18
3	24	7.5	0.26
3	24	17.5	0.24
3	24	27.5	0.20
3	24	37.5	0.28
3	24	47.5	0.77
3	24	57.5	0.75
3	24	67.5	0.61
3	24	77.5	0.50
3	24	87.5	0.54

TABLE . SW FLORIDA SHELF ECOSYSTEMS STUDY YEAR I; PHAEOPIGMENTS--FLUOROMETER METHOD (PHF)
LISTING OF CORRECTED AND VERIFIED DATA.

CRUISE	STATION	DEPTH (M)	PHAEOPIGMENTS (UG/3000 ML)
3	25	1.5	0.33
3	25	12.3	0.37
3	25	22.3	
3	26	1.5	0.24
3	26	7.2	
3	26	17.2	0.29
3	26	27.2	0.32
3	26	37.2	0.44
3	27	1.5	0.38
3	27	11.8	0.51
3	27	21.8	0.37
3	27	31.8	0.44
3	27	41.8	0.44
3	27	51.8	0.58
3	28	1.5	
3	28	7.3	0.39
3	28	17.3	0.32
3	28	27.3	0.36
3	28	37.3	0.38
3	28	47.3	
3	28	57.3	0.44
3	29	1.5	0.19
3	29	10.0	0.23
3	29	20.0	0.32
3	29	30.0	0.20
3	29	40.0	
3	29	50.0	0.70
3	29	60.0	0.47
3	30	1.5	0.10
3	30	4.4	0.11
3	30	14.4	0.07
3	30	24.4	0.14
3	30	34.4	
3	30	44.4	0.76
3	30	54.4	0.93
3	30	64.4	0.82
3	30	74.4	0.53
4	1	1.5	0.07
4	1	12.3	0.17
4	1	22.3	0.26
4	2	1.5	0.14
4	2	2.9	0.13
4	2	12.9	0.19
4	3	1.5	0.07
4	3	9.8	0.05
4	3	19.8	0.07
4	3	29.8	0.13
4	4	1.5	0.04
4	4	4.3	0.07
4	4	14.3	0.05

TABLE . SW FLORIDA SHELF ECOSYSTEMS STUDY YEAR I; PHAEOPIGMENTS--FLUOROMETER METHOD (PHF)
LISTING OF CORRECTED AND VERIFIED DATA.

CRUISE	STATION	DEPTH (M)	PHAEOPIGMENTS (UG/3000 ML)
4	4	24.3	0.07
4	4	34.3	0.12
4	5	1.5	0.03
4	5	9.3	0.01
4	5	19.3	0.03
4	5	29.3	0.06
4	5	39.3	0.10
4	5	49.3	0.14
4	5	59.3	0.25
4	5	69.3	0.31
4	6	1.5	0.10
4	6	5.0	0.11
4	6	15.0	0.04
4	6	25.0	0.23
4	7	1.5	0.15
4	7	8.9	0.12
4	7	18.9	0.17
4	7	28.9	0.26
4	8	1.5	0.08
4	8	7.0	0.09
4	8	17.0	0.06
4	8	37.0	0.07
4	8	47.0	0.09
4	9	1.5	0.07
4	9	4.5	0.07
4	9	14.5	0.07
4	9	24.5	0.09
4	9	34.5	0.13
4	10	1.5	0.06
4	10	9.8	0.06
4	10	19.8	0.04
4	10	29.8	0.06
4	10	39.8	0.10
4	10	49.8	0.14
4	10	59.8	0.52
4	11	1.5	0.06
4	11	6.2	0.04
4	11	16.2	0.03
4	11	26.2	0.06
4	11	36.2	0.07
4	11	46.2	0.11
4	11	56.2	0.36
4	11	66.2	0.69
4	12	1.5	0.04
4	12	8.5	0.00
4	12	18.5	0.05
4	12	28.5	0.00
4	12	38.5	0.05
4	12	48.5	0.11
4	12	58.5	0.59

TABLE . SW FLORIDA SHELF ECOSYSTEMS STUDY YEAR I; PHAEOPIGMENTS--FLUOROMETER METHOD (PHF)
LISTING OF CORRECTED AND VERIFIED DATA.

CRUISE	STATION	DEPTH (M)	PHAEOPIGMENTS (UG/3000 ML)
4	12	68.5	0.49
4	12	88.5	0.44
4	13	1.5	0.16
4	13	8.3	0.18
4	14	1.5	0.12
4	14	4.5	0.12
4	14	14.5	0.12
4	14	24.5	0.46
4	15	1.5	0.06
4	15	9.5	0.08
4	15	19.5	0.11
4	16	1.5	0.09
4	16	12.4	0.05
4	16	22.4	0.07
4	16	32.4	0.23
4	16	42.4	
4	17	1.5	0.07
4	17	7.0	0.07
4	17	17.0	0.08
4	17	27.0	0.13
4	17	37.0	0.36
4	18	1.5	0.03
4	18	5.1	0.04
4	18	15.1	0.03
4	18	25.1	0.04
4	18	35.1	0.10
4	18	45.1	0.25
4	18	55.1	
4	18	65.1	0.04
4	18	75.1	0.71
4	18	85.1	0.49
4	19	1.5	0.11
4	19	11.0	0.14
4	20	1.5	0.15
4	20	11.0	0.14
4	21	1.5	0.05
4	21	3.0	0.05
4	21	13.0	0.03
4	21	23.0	0.04
4	21	33.0	0.06
4	22	1.5	0.05
4	22	11.3	0.05
4	22	21.3	0.06
4	22	31.3	0.08
4	22	41.3	0.19
4	23	1.5	0.06
4	23	8.5	0.05
4	23	18.5	0.05
4	23	28.5	0.07
4	23	38.5	0.08

TABLE . SW FLORIDA SHELF ECOSYSTEMS STUDY YEAR I; PHAEOPIGMENTS--FLUOROMETER METHOD (PHF)
LISTING OF CORRECTED AND VERIFIED DATA.

CRUISE	STATION	DEPTH (M)	PHAEOPIGMENTS (UG/3000 ML)
4	23	48.5	0.12
4	23	58.5	0.20
4	24	1.5	0.07
4	24	6.9	0.04
4	24	16.9	0.05
4	24	26.9	0.05
4	24	36.9	0.08
4	24	46.9	0.11
4	24	56.9	0.19
4	24	76.9	0.34
4	25	1.5	0.12
4	25	2.5	0.13
4	26	1.5	0.06
4	26	6.6	0.05
4	26	16.6	0.06
4	26	26.6	0.09
4	27	1.5	0.07
4	27	11.5	0.06
4	27	21.5	0.04
4	27	31.5	0.07
4	27	41.5	0.12
4	28	1.5	0.09
4	28	7.0	0.04
4	28	17.0	0.05
4	28	27.0	0.07
4	28	37.0	0.12
4	29	1.5	0.07
4	29	9.5	0.08
4	29	19.5	0.08
4	30	1.5	0.07
4	30	4.5	0.07
4	30	14.5	0.07
4	30	24.5	0.08
4	30	34.5	0.14
4	30	44.5	0.13

NOTE: CRUISE NUMBERS "3" AND "4" REPRESENT THE FALL (OCTOBER 25-NOVEMBER 23, 1980) AND SPRING (APRIL 22-MAY 5, 1981) CRUISES, RESPECTIVELY.

TABLE . SW FLORIDA SHELF ECOSYSTEMS STUDY YEAR II; PHAEOPIGMENTS--FLUOROMETER METHOD (PHF)
LISTING OF CORRECTED AND VERIFIED DATA.

CRUISE	STATION	DEPTH (M)	PHAEOPIGMENTS (UG/3000 ML)
2	1	13.5	0.34
2	4	1.5	0.08
2	4	7.0	0.08
2	4	17.0	0.11
2	4	27.0	0.12
2	4	37.0	0.23
2	6	1.5	0.11
2	6	4.5	0.22
2	6	14.5	0.31
2	9	1.5	0.06
2	9	8.0	0.07
2	9	18.0	0.08
2	9	28.0	0.08
2	9	38.0	0.32
2	16	1.5	0.04
2	16	7.0	0.05
2	16	17.0	0.04
2	16	27.0	0.05
2	16	37.0	0.09
2	22	1.5	0.08
2	22	6.0	0.12
2	22	16.0	0.11
2	22	26.0	0.10
2	22	36.0	0.09
2	25	1.5	0.16
2	28	1.5	0.08
2	28	2.8	0.11
2	28	12.8	0.08
2	28	22.8	0.09
2	28	32.8	0.14
2	28	42.8	0.25
2	31	1.5	0.05
2	31	8.5	0.05
2	31	18.0	0.05
2	31	27.5	0.06
2	31	37.0	0.07
2	31	46.5	0.09
2	31	56.0	0.19
2	31	65.5	0.36
2	31	103.5	0.48
2	31	113.0	0.31
2	31	122.5	0.19
2	31	132.0	0.10
2	31	141.5	0.07
2	33	1.5	0.08
2	33	4.0	0.07
2	33	14.0	0.05
2	33	24.0	0.06
2	33	34.0	0.06
2	33	44.0	0.09

TABLE . SW FLORIDA SHELF ECOSYSTEMS STUDY YEAR II; PHAEOPIGMENTS--FLUOROMETER METHOD (PHF)
LISTING OF CORRECTED AND VERIFIED DATA.

CRUISE	STATION	DEPTH (M)	PHAEOPIGMENTS (UG/3000 ML)
2	33	54.0	0.14
2	33	64.0	0.12
2	33	74.0	0.30
2	33	84.0	0.41
2	33	94.0	0.45
2	33	104.0	0.47
2	33	114.0	0.32
2	33	124.0	0.29
2	33	134.0	0.21
2	33	144.0	0.14
2	35	1.5	0.06
2	35	7.5	0.06
2	35	17.5	0.06
2	35	27.5	0.07
2	35	37.5	0.39
2	35	77.5	0.13
2	35	87.5	0.21
2	35	127.5	0.55
2	35	137.5	0.57
2	35	147.5	0.53
2	35	157.5	0.36
2	38	1.5	0.07
2	38	7.5	0.06
2	38	17.5	0.06
2	38	27.5	0.07
2	38	37.5	0.16
2	38	47.5	0.26
2	38	117.5	0.33
2	38	127.5	0.17
2	38	137.5	0.14
2	38	147.5	0.16
2	38	157.5	0.16
2	39	1.5	0.13
2	39	10.0	0.08
2	39	20.0	0.11
2	39	30.0	0.11
2	39	40.0	0.13
2	39	50.0	0.29
2	39	60.0	0.40
2	39	80.0	0.51
2	39	90.0	0.62
2	39	100.0	0.62
2	39	110.0	0.28
2	39	120.0	0.17
2	39	130.0	0.12
2	39	140.0	0.13
2	39	150.0	0.11
3	01	1.5	0.18
3	01	4.5	0.19
3	01	14.5	0.20

TABLE . SW FLORIDA SHELF ECOSYSTEMS STUDY YEAR II; PHAEOPIGMENTS--FLUOROMETER METHOD (PHF)
LISTING OF CORRECTED AND VERIFIED DATA.

CRUISE	STATION	DEPTH (M)	PHAEOPIGMENTS (UG/3000 ML)
3	01	24.5	0.49
3	04	1.5	0.27
3	04	7.0	0.31
3	04	17.0	0.34
3	04	27.0	0.35
3	04	37.0	0.34
3	04	47.0	0.24
3	06	1.5	0.12
3	06	6.5	0.17
3	06	26.5	0.11
3	09	1.5	0.12
3	09	8.5	0.13
3	09	18.5	0.15
3	09	28.5	0.23
3	09	38.5	0.31
3	13	2.0	0.17
3	16	1.5	0.08
3	16	7.5	0.08
3	16	17.5	0.08
3	16	27.5	0.11
3	20	2.5	0.19
3	20	12.5	0.26
3	20	22.5	0.29
3	22	1.5	0.11
3	22	6.5	0.11
3	22	16.5	0.10
3	22	26.5	0.24
3	25	1.5	0.15
3	25	3.0	0.15
3	25	13.0	0.16
3	28	1.5	0.06
3	28	2.8	0.06
3	28	12.8	0.08
3	28	22.8	0.07
3	28	32.8	0.10
3	28	42.8	0.10
3	31	12.0	0.34
3	31	62.0	0.46
3	31	72.0	0.45
3	31	82.0	0.32
3	31	92.0	0.29
3	31	102.0	0.17
3	31	112.0	0.20
3	31	122.0	0.13
3	31	132.0	0.10
3	31	142.0	0.13
3	33	1.5	0.16
3	33	4.0	0.13
3	33	14.0	0.13
3	33	24.0	0.17

TABLE . SW FLORIDA SHELF ECOSYSTEMS STUDY YEAR II; PHAEOPIGMENTS--FLUOROMETER METHOD (PHF)
LISTING OF CORRECTED AND VERIFIED DATA.

CRUISE	STATION	DEPTH (M)	PHAEOPIGMENTS (UG/3000 ML)
3	33	34.0	0.25
3	33	64.0	0.58
3	33	74.0	0.45
3	33	84.0	0.44
3	33	94.0	0.34
3	33	104.0	0.27
3	33	114.0	0.20
3	33	124.0	0.16
3	33	134.0	0.14
3	33	144.0	0.11
3	35	1.5	0.17
3	35	7.5	0.16
3	35	17.5	0.22
3	35	27.5	0.24
3	35	37.5	0.32
3	35	47.5	0.31
3	35	57.5	0.16
3	35	77.5	0.45
3	35	87.5	0.43
3	35	97.5	0.39
3	35	107.5	0.18
3	35	117.5	0.19
3	35	127.5	0.22
3	35	137.5	0.45
3	38	1.5	0.12
3	38	7.5	0.13
3	38	17.5	0.14
3	38	27.5	0.15
3	38	37.5	0.13
3	38	47.5	0.39
3	38	77.5	0.35
3	38	87.5	0.37
3	38	97.5	0.31
3	38	107.5	0.27
3	38	117.5	0.25
3	38	127.5	0.21
3	38	137.5	0.14
3	38	147.5	0.14
3	38	157.5	0.16
3	39	1.5	0.08
3	39	8.5	0.06
3	39	18.5	0.08
3	39	28.5	0.09
3	39	38.5	0.37
3	39	48.5	0.41
3	39	58.5	0.68
3	39	68.5	0.47
3	39	78.5	0.30
3	39	88.5	0.30
3	39	98.5	0.25

TABLE . SW FLORIDA SHELF ECOSYSTEMS STUDY YEAR II; PHAEOPIGMENTS--FLUOROMETER METHOD (PHF)
LISTING OF CORRECTED AND VERIFIED DATA.

CRUISE	STATION	DEPTH (M)	PHAEOPIGMENTS (UG/3000 ML)
3	39	108.5	0.14
3	39	118.5	0.16
3	39	128.5	0.15
3	39	138.5	0.09
3	39	148.5	0.07

NOTE: CRUISE NUMBERS "2" AND "3" REPRESENT THE SUMMER (JULY 16-AUGUST 5, 1981) AND WINTER (JANUARY 28-FEBRUARY 15, 1982) CRUISES RESPECTIVELY.

TABLE . SW FLORIDA SHELF ECOSYSTEMS STUDY YEAR I; PHOSPHATE (PHS)
LISTING OF CORRECTED & VERIFIED DATA.

CRUISE	STATION	DEPTH (M)	SAMPLE LEAKAGE	PHOSPHATE (UM)
3	1	1.5		0.09
3	1	3.0	*	0.10
3	1	13.0		0.08
3	1	23.0	*	0.11
3	2	1.5		0.17
3	2	2.5		0.18
3	2	12.5		0.15
3	2	22.5		0.13
3	3	1.5		0.10
3	3	7.5		0.12
3	3	17.5	*	0.10
3	3	27.5	*	0.06
3	3	37.5	*	0.12
3	3	47.5	*	0.14
3	4	1.5		0.16
3	4	3.0		0.13
3	4	13.0		0.13
3	4	23.0		0.20
3	4	33.0		0.19
3	4	43.0	*	0.08
3	4	53.0		0.22
3	5	1.5		0.08
3	5	7.5		0.10
3	5	17.5		0.10
3	5	27.5		0.08
3	5	37.5	*	0.09
3	5	47.5	*	0.01
3	5	57.5		0.11
3	5	67.5	*	0.31
3	5	77.5		0.64
3	5	87.5		1.10
3	6	1.5		0.20
3	6	4.4		0.00
3	6	14.4		0.01
3	6	24.4		0.01
3	7	1.5	*	0.08
3	7	9.0		0.
3	7	19.0		0.18
3	7	29.0	*	0.00
3	8	1.5	*	0.08
3	8	6.7		0.08
3	8	16.7		0.08
3	8	26.7		0.10
3	8	36.7		0.10
3	8	46.7		0.22
3	9	1.5		0.12
3	9	4.0	*	0.00
3	9	14.0	*	0.04
3	9	24.0	*	0.11
3	9	34.0	*	0.06

TABLE . SW FLORIDA SHELF ECOSYSTEMS STUDY YEAR I; PHOSPHATE (PHS)
LISTING OF CORRECTED & VERIFIED DATA.

CRUISE	STATION	DEPTH (M)	SAMPLE LEAKAGE	PHOSPHATE (UM)
3	9	44.0	*	0.16
3	9	54.0	*	0.18
3	10	1.5	*	0.06
3	10	9.0	*	0.00
3	10	19.0	*	0.00
3	10	29.0		0.00
3	10	39.0	*	0.00
3	10	49.0		0.02
3	10	59.0	*	0.10
3	10	69.0		0.25
3	10	79.0	*	0.12
3	11	1.5	*	
3	11	6.5		0.02
3	11	16.5	*	0.04
3	11	26.5		0.10
3	11	36.5		0.11
3	11	46.5	*	0.00
3	11	56.5	*	0.15
3	11	66.5	*	0.14
3	11	76.5		0.61
3	12	1.5		0.04
3	12	8.0		0.08
3	12	18.0		0.10
3	12	28.0	*	0.04
3	12	38.0		0.11
3	12	48.0	*	0.32
3	12	58.0		0.12
3	12	68.0		0.39
3	12	78.0	*	0.38
3	12	88.0	*	0.80
3	13	1.5	*	0.10
3	13	8.0		0.11
3	13	18.0		0.12
3	14	1.5	*	0.00
3	14	4.7		0.03
3	14	14.7	*	0.09
3	14	24.7		0.10
3	15	1.5	*	0.00
3	15	10.5		0.12
3	15	20.5		0.10
3	15	30.5		0.06
3	16	1.5	*	0.06
3	16	12.0		0.08
3	16	22.0		0.08
3	16	32.0	*	0.13
3	16	42.0		0.06
3	16	52.0		0.42
3	17	1.5		0.07
3	17	6.7		.08
3	17	16.7	*	0.00

TABLE . SW FLORIDA SHELF ECOSYSTEMS STUDY YEAR I; PHOSPHATE (PHS)
LISTING OF CORRECTED & VERIFIED DATA.

CRUISE	STATION	DEPTH (M)	SAMPLE LEAKAGE	PHOSPHATE (UM)
3	17	26.7	*	0.02
3	17	36.7	*	0.10
3	17	46.7	*	0.04
3	17	56.7		0.26
3	18	1.5		0.03
3	18	4.1		0.03
3	18	14.1		0.10
3	18	24.1	*	0.00
3	18	34.1		0.12
3	18	44.1		0.08
3	18	54.1		0.08
3	18	64.1		0.19
3	18	74.1		0.32
3	18	84.1		0.42
3	19	1.5		0.06
3	19	11.0		0.08
3	19	21.0		0.07
3	20	1.5		0.06
3	20	11.4		0.08
3	20	21.4		0.05
3	21	1.5		0.11
3	21	3.3		0.02
3	21	13.3		0.07
3	21	23.3		0.09
3	21	33.3		0.07
3	21	43.3		0.06
3	22	1.5		0.10
3	22	10.3	*	
3	22	20.3		0.08
3	22	30.3		0.05
3	22	40.3		0.06
3	22	50.3		0.12
3	23	1.5		0.06
3	23	5.5		0.06
3	23	15.5		0.03
3	23	25.5		0.04
3	23	35.5		0.04
3	23	45.5		0.06
3	23	55.5		0.20
3	23	65.5		0.27
3	24	1.5	*	0.09
3	24	7.5		0.16
3	24	17.5		0.04
3	24	27.5		0.12
3	24	37.5	*	0.05
3	24	47.5		0.24
3	24	57.5		0.32
3	24	67.5		0.34
3	24	77.5		0.41
3	24	87.5		0.48

TABLE . SW FLORIDA SHELF ECOSYSTEMS STUDY YEAR I; PHOSPHATE (PHS)
LISTING OF CORRECTED & VERIFIED DATA.

CRUISE	STATION	DEPTH (M)	SAMPLE LEAKAGE	PHOSPHATE (UM)
3	25	1.5	*	0.07
3	25	12.3		0.15
3	25	22.3		0.06
3	26	1.5		0.06
3	26	7.2		0.04
3	26	17.2		0.06
3	26	27.2		0.01
3	26	37.2		0.06
3	27	1.5		0.06
3	27	11.8		0.07
3	27	21.8		0.06
3	27	31.8	*	0.06
3	27	41.8		0.05
3	27	51.8		0.09
3	28	1.5		0.11
3	28	7.3		0.10
3	28	17.3		0.09
3	28	27.3		0.14
3	28	37.3	*	0.06
3	28	47.3		0.11
3	28	57.3		0.18
3	29	1.5		0.11
3	29	10.0		0.06
3	29	20.0	*	0.09
3	29	30.0		0.06
3	29	40.0	*	0.10
3	29	50.0		0.25
3	29	60.0		0.25
3	30	1.5		0.09
3	30	4.4	*	0.03
3	30	14.4		0.11
3	30	24.4	*	0.10
3	30	34.4		0.13
3	30	44.4	*	0.22
3	30	54.4		0.20
3	30	64.4		0.26
3	30	74.4		0.34
4	1	1.5		0.045
4	1	12.3		0.040
4	1	22.3		0.040
4	2	1.5		0.065
4	2	2.9		0.040
4	2	12.9		0.100
4	2	22.9		0.060
4	3	1.5		0.050
4	3	9.8		0.040
4	3	19.8		0.030
4	3	29.8		0.030
4	3	39.8		0.050
4	3	49.8		0.040

TABLE . SW FLORIDA SHELF ECOSYSTEMS STUDY YEAR I; PHOSPHATE (PHS)
LISTING OF CORRECTED & VERIFIED DATA.

CRUISE	STATION	DEPTH (M)	SAMPLE LEAKAGE	PHOSPHATE (UM)
4	4	1.5		0.090
4	4	4.3		0.060
4	4	14.3		0.120
4	4	24.3		0.030
4	4	34.3		0.030
4	4	44.3		0.090
4	4	54.3		0.200
4	5	1.5		0.030
4	5	9.3		0.030
4	5	19.3		0.070
4	5	29.3		0.030
4	5	39.3		0.010
4	5	49.3		0.010
4	5	59.3		0.030
4	5	69.3		0.090
4	5	79.3		0.070
4	5	89.3		0.130
4	6	1.5		0.070
4	6	5.0		0.050
4	6	15.0		0.070
4	6	25.0		0.100
4	7	1.5		0.040
4	7	8.9		0.055
4	7	18.9		0.060
4	7	28.9		0.080
4	8	1.5		0.060
4	8	7.0		0.010
4	8	17.0		0.010
4	8	27.0		0.050
4	8	37.0		0.040
4	8	47.0		0.020
4	9	1.5		0.050
4	9	4.5		0.010
4	9	14.5		0.010
4	9	24.5		0.010
4	9	34.5		0.640
4	9	44.5		0.070
4	9	54.5		0.090
4	10	1.5		0.010
4	10	9.8		0.010
4	10	19.8		0.050
4	10	29.8		0.010
4	10	39.8		0.030
4	10	49.8		0.060
4	10	59.8		0.090
4	10	69.8		0.150
4	11	1.5		0.040
4	11	6.2		0.030
4	11	16.2		0.030
4	11	26.2		0.030

TABLE . SW FLORIDA SHELF ECOSYSTEMS STUDY YEAR I; PHOSPHATE (PHS)
LISTING OF CORRECTED & VERIFIED DATA.

CRUISE	STATION	DEPTH (M)	SAMPLE LEAKAGE	PHOSPHATE (UM)
4	11	36.2		0.060
4	11	46.2		0.030
4	11	56.2		0.040
4	11	66.2		0.040
4	11	76.2		0.100
4	12	1.5		0.040
4	12	8.5		0.040
4	12	18.5		0.050
4	12	28.5		0.040
4	12	38.5		0.010
4	12	48.5		0.070
4	12	58.5		0.060
4	12	68.5		0.060
4	12	78.5		0.120
4	12	88.5		0.150
4	13	1.5		0.000
4	13	8.3		0.010
4	13	18.3		0.100
4	14	1.5		0.050
4	14	4.5		0.070
4	14	14.5		0.030
4	14	24.5		0.120
4	15	1.5		0.030
4	15	9.5		0.050
4	15	19.5		0.060
4	15	29.5		0.080
4	16	1.5		0.040
4	16	12.4		0.050
4	16	22.4		0.080
4	16	32.4		0.080
4	16	42.4		0.100
4	16	52.4		0.080
4	17	1.5		0.060
4	17	7.0		0.100
4	17	17.0		0.010
4	17	27.0		0.020
4	17	37.0		0.100
4	17	47.0		0.110
4	17	57.0		0.070
4	18	1.5		0.070
4	18	5.1		0.040
4	18	15.1		0.070
4	18	25.1		0.070
4	18	35.1		0.070
4	18	45.1		0.070
4	18	55.1		0.070
4	18	65.1		0.080
4	18	75.1		0.150
4	18	85.1		0.160
4	19	1.5		0.060

TABLE . SW FLORIDA SHELF ECOSYSTEMS STUDY YEAR I; PHOSPHATE (PHS)
LISTING OF CORRECTED & VERIFIED DATA.

CRUISE	STATION	DEPTH (M)	SAMPLE LEAKAGE	PHOSPHATE (UM)
4	19	11.0		0.050
4	19	21.0		0.080
4	20	1.5		0.060
4	20	11.0		0.080
4	20	21.0		0.080
4	21	1.5		0.000
4	21	3.0		0.060
4	21	13.0		0.050
4	21	23.0		0.070
4	21	33.0		0.070
4	21	43.0		0.060
4	22	1.5		0.050
4	22	11.3		0.060
4	22	21.3		0.070
4	22	31.3		0.080
4	22	41.3		0.060
4	22	51.3		0.040
4	23	1.5		0.030
4	23	8.5		0.100
4	23	18.5		0.065
4	23	28.5		0.035
4	23	38.5		0.040
4	23	48.5		0.000
4	23	58.5		0.060
4	23	68.5		0.145
4	24	1.5		0.000
4	24	6.9		0.050
4	24	16.9		0.000
4	24	26.9		0.070
4	24	36.9		0.030
4	24	46.9		0.080
4	24	56.9		0.020
4	24	66.9		0.010
4	24	76.9		0.030
4	24	86.9		0.120
4	25	1.5		0.090
4	25	2.5		0.170
4	25	12.5		0.340
4	25	22.5		0.080
4	26	1.5		0.040
4	26	6.6		0.070
4	26	16.6		0.090
4	26	26.6		0.580
4	26	36.6		0.100
4	27	1.5		0.050
4	27	11.5		0.070
4	27	21.5		0.050
4	27	31.5		0.020
4	27	41.5		0.060
4	27	51.5		0.130

TABLE . SW FLORIDA SHELF ECOSYSTEMS STUDY YEAR I; PHOSPHATE (PHS)
LISTING OF CORRECTED & VERIFIED DATA.

CRUISE	STATION	DEPTH (M)	SAMPLE LEAKAGE	PHOSPHATE (UM)
4	28	1.5		0.020
4	28	7.0		0.100
4	28	17.0		0.080
4	28	27.0		0.070
4	28	37.0		0.080
4	28	47.0		0.360
4	28	57.0		0.090
4	29	1.5		0.030
4	29	9.5		0.090
4	29	19.5		0.040
4	29	29.5		0.110
4	29	39.5		0.140
4	29	49.5		0.150
4	29	59.5		0.140
4	30	1.5		0.040
4	30	4.5		0.310
4	30	14.5		0.050
4	30	24.5		0.030
4	30	34.5		0.040
4	30	44.5		0.030
4	30	54.5		0.030
4	30	64.5		0.220
4	30	74.5		0.240

NOTE: CRUISE NUMBERS "3" AND "4" REPRESENT THE FALL (OCTOBER 25-NOVEMBER 23, 1980) AND SPRING (APRIL 22-MAY 5, 1981) CRUISES, RESPECTIVELY.

AN "*" IN THE "SAMPLE LEAKAGE" COLUMN INDICATES THAT SOME LEAKAGE OCCURRED IN THE COLLECTED SAMPLE DURING FREEZING.

TABLE . SW FLORIDA SHELF ECOSYSTEMS STUDY YEAR II; PHOSPHATE (PHS)
LISTING OF CORRECTED AND VERIFIED DATA.

CRUISE	STATION	DEPTH (M)	PHOSPHATE (UM)
2	01	1.5	0.10
2	01	3.5	0.08
2	01	13.5	0.07
2	01	23.5	0.12
2	04	1.5	0.07
2	04	7.0	0.00
2	04	17.0	0.00
2	04	27.0	0.00
2	04	37.0	0.00
2	04	47.0	0.05
2	04	57.0	0.22
2	06	1.5	0.05
2	06	4.5	0.08
2	06	14.5	0.09
2	06	24.5	0.18
2	09	1.5	0.03
2	09	8.0	0.05
2	09	18.0	0.07
2	09	28.0	0.07
2	09	38.0	0.03
2	09	48.0	0.07
2	09	58.0	0.14
2	13	1.5	0.04
2	13	10.5	0.07
2	13	20.5	0.07
2	16	1.5	0.05
2	16	7.0	0.07
2	16	17.0	0.21
2	16	27.0	0.05
2	16	37.0	0.05
2	16	47.0	0.12
2	16	57.0	0.12
2	20	1.5	0.02
2	20	3.3	0.02
2	20	13.3	0.00
2	20	23.4	0.02
2	22	1.5	0.04
2	22	6.0	0.03
2	22	16.0	0.05
2	22	26.0	0.07
2	22	36.0	0.03
2	22	46.0	0.09
2	22	56.0	0.12
2	25	1.5	0.03
2	25	3.5	0.03
2	25	13.5	0.05
2	25	23.5	0.07
2	28	1.5	0.07
2	28	2.8	0.07
2	28	12.8	0.07

TABLE . SW FLORIDA SHELF ECOSYSTEMS STUDY YEAR II; PHOSPHATE (PHS)
LISTING OF CORRECTED AND VERIFIED DATA.

CRUISE	STATION	DEPTH (M)	PHOSPHATE (UM)
2	28	22.8	0.05
2	28	32.8	0.03
2	28	42.8	0.03
2	28	52.8	0.07
2	28	62.8	0.10
2	31	1.5	0.05
2	31	8.5	0.05
2	31	18.0	0.07
2	31	27.5	0.07
2	31	37.0	0.06
2	31	46.5	0.04
2	31	56.0	0.03
2	31	65.5	0.09
2	31	75.0	0.08
2	31	84.5	0.21
2	31	94.0	0.39
2	31	103.5	0.45
2	31	113.5	2.00
2	31	122.5	0.88
2	31	132.0	0.92
2	31	141.5	1.14
2	33	1.5	0.07
2	33	4.0	0.04
2	33	14.0	0.07
2	33	34.0	0.03
2	33	44.0	0.32
2	33	54.0	0.00
2	33	64.0	0.04
2	33	74.0	0.02
2	33	84.0	0.10
2	33	94.0	0.17
2	33	104.0	0.39
2	33	114.0	0.42
2	33	124.0	0.46
2	33	134.0	0.63
2	33	144.0	0.76
2	35	1.5	0.03
2	35	7.5	0.03
2	35	17.5	0.04
2	35	27.5	0.08
2	35	37.5	0.04
2	35	47.5	0.09
2	35	57.5	0.19
2	35	67.5	0.35
2	35	77.5	0.05
2	35	87.5	0.06
2	35	97.5	0.10
2	35	107.5	0.12
2	35	117.5	0.18
2	35	127.5	0.27

TABLE . SW FLORIDA SHELF ECOSYSTEMS STUDY YEAR II; PHOSPHATE (PHS)
LISTING OF CORRECTED AND VERIFIED DATA.

CRUISE	STATION	DEPTH (M)	PHOSPHATE (UM)
2	35	137.5	0.42
2	35	147.5	0.52
2	35	157.5	0.55
2	38	1.5	0.07
2	38	7.5	0.08
2	38	17.5	0.08
2	38	27.5	0.07
2	38	37.5	0.06
2	38	47.5	0.06
2	38	57.5	0.19
2	38	67.5	0.30
2	38	77.5	0.37
2	38	87.5	0.43
2	38	97.5	0.66
2	38	107.5	0.51
2	38	117.5	0.57
2	38	127.5	0.66
2	38	137.5	0.80
2	38	147.5	0.81
2	38	157.5	0.80
2	39	1.5	0.05
2	39	10.0	0.05
2	39	20.0	0.07
2	39	30.0	0.07
2	39	40.0	0.07
2	39	50.0	0.07
2	39	60.0	0.07
2	39	70.0	0.09
2	39	80.0	0.17
2	39	90.0	0.24
2	39	100.0	0.29
2	39	110.0	0.74
2	39	120.0	0.95
2	39	130.0	1.09
2	39	140.0	1.20
2	39	150.0	1.22
3	1	1.5	-0.01
3	1	4.5	-0.01
3	1	14.5	-0.01
3	1	24.5	0.00
3	4	1.5	0.03
3	4	7.0	0.03
3	4	17.0	0.03
3	4	27.0	0.09
3	4	37.0	0.08
3	4	47.0	0.08
3	4	57.0	0.24
3	6	1.5	0.01
3	6	6.5	0.03
3	6	16.5	0.04

TABLE . SW FLORIDA SHELF ECOSYSTEMS STUDY YEAR II; PHOSPHATE (PHS)
LISTING OF CORRECTED AND VERIFIED DATA.

CRUISE	STATION	DEPTH (M)	PHOSPHATE (UM)
3	6	26.5	0.03
3	9	1.5	0.03
3	9	8.5	0.03
3	9	18.5	0.03
3	9	28.5	0.03
3	9	38.5	0.03
3	9	48.5	0.05
3	9	58.5	0.07
3	13	2.0	0.05
3	13	12.0	0.05
3	13	22.0	0.04
3	16	1.5	-0.01
3	16	7.5	-0.01
3	16	17.5	-0.01
3	16	27.5	0.00
3	16	37.5	0.01
3	16	47.5	0.02
3	16	57.5	0.05
3	20	2.5	0.12
3	20	12.5	0.10
3	20	22.5	0.11
3	22	1.5	0.05
3	22	6.5	0.06
3	22	16.5	0.07
3	22	26.5	0.08
3	22	36.5	0.07
3	22	46.5	0.10
3	22	56.5	0.11
3	25	1.5	0.08
3	25	3.0	0.09
3	25	13.0	0.08
3	25	23.0	0.08
3	28	1.5	0.07
3	28	2.8	0.07
3	28	12.8	0.08
3	28	22.8	0.09
3	28	32.8	0.08
3	28	42.8	0.12
3	28	52.8	0.14
3	28	62.8	0.15
3	31	1.5	0.13
3	31	12.0	0.30
3	31	22.0	0.14
3	31	32.0	0.17
3	31	42.0	0.13
3	31	52.0	0.22
3	31	62.0	0.18
3	31	72.0	0.33
3	31	82.0	0.50
3	31	92.0	0.54

TABLE . SW FLORIDA SHELF ECOSYSTEMS STUDY YEAR II; PHOSPHATE (PHS)
LISTING OF CORRECTED AND VERIFIED DATA.

CRUISE	STATION	DEPTH (M)	PHOSPHATE (UM)
3	31	102.0	0.74
3	31	112.0	0.70
3	31	122.0	0.65
3	31	132.0	0.77
3	31	142.0	0.85
3	33	1.5	0.02
3	33	4.0	0.02
3	33	14.0	0.02
3	33	24.0	0.04
3	33	34.0	0.03
3	33	44.0	0.04
3	33	54.0	0.11
3	33	64.0	0.15
3	33	74.0	0.18
3	33	84.0	0.22
3	33	94.0	0.19
3	33	104.0	0.25
3	33	114.0	0.36
3	33	124.0	0.50
3	33	134.0	0.88
3	33	144.0	0.77
3	35	1.5	0.04
3	35	7.5	0.04
3	35	17.5	0.04
3	35	27.5	0.06
3	35	37.5	0.06
3	35	47.5	0.06
3	35	57.5	0.05
3	35	67.5	0.07
3	35	77.5	0.14
3	35	87.5	0.08
3	35	97.5	0.10
3	35	107.5	0.05
3	35	117.5	0.03
3	35	127.5	0.02
3	35	137.5	0.10
3	35	147.5	0.22
3	35	157.5	0.09
3	38	1.5	0.04
3	38	7.5	0.04
3	38	17.5	0.04
3	38	27.5	-0.01
3	38	37.5	-0.02
3	38	47.5	0.02
3	38	57.5	0.05
3	38	67.5	0.08
3	38	77.5	0.17
3	38	87.5	0.14
3	38	97.5	0.18
3	38	107.5	0.20

TABLE . SW FLORIDA SHELF ECOSYSTEMS STUDY YEAR II; PHOSPHATE (PHS)
LISTING OF CORRECTED AND VERIFIED DATA.

CRUISE	STATION	DEPTH (M)	PHOSPHATE (UM)
3	38	117.5	0.23
3	38	127.5	0.59
3	38	137.5	0.72
3	38	147.5	0.73
3	38	157.5	0.62
3	39	1.5	0.05
3	39	8.5	0.05
3	39	18.5	0.06
3	39	28.5	0.06
3	39	38.5	0.08
3	39	48.5	0.23
3	39	58.5	0.14
3	39	68.5	0.23
3	39	78.0	0.37
3	39	88.0	0.41
3	39	98.0	0.48
3	39	108.0	0.49
3	39	118.0	0.64
3	39	128.0	0.69
3	39	138.0	0.97
3	39	148.0	1.04

NOTE: CRUISE NUMBERS "2" AND "3" REPRESENT THE SUMMER (JULY 16-AUGUST 5, 1981) AND WINTER (JANUARY 28-FEBRUARY 15, 1982) CRUISES, RESPECTIVELY.

NEGATIVE VALUES ARE WITHIN THE ERROR OF SAMPLING MEASUREMENTS.

TABLE . SW FLORIDA SHELF ECOSYSTEMS STUDY YEAR I; SILICATE (SIL)
LISTING OF CORRECTED & VERIFIED DATA.

CRUISE	STATION	DEPTH (M)	SAMPLE LEAKAGE	SILICATE (UM)
3	1	1.5		1.44
3	1	3.0	*	2.51
3	1	13.0		1.41
3	1	23.0	*	1.36
3	2	1.5		3.29
3	2	2.5		3.89
3	2	12.5		13.78
3	2	22.5		3.37
3	3	1.5		3.63
3	3	7.5		1.51
3	3	17.5	*	1.64
3	3	27.5	*	1.94
3	3	37.5	*	3.12
3	3	47.5	*	3.21
3	4	1.5		0.97
3	4	3.0		0.84
3	4	13.0		0.85
3	4	23.0		1.24
3	4	33.0		1.12
3	4	43.0	*	1.41
3	4	53.0		3.37
3	5	1.5		2.22
3	5	7.5		1.21
3	5	17.5		2.48
3	5	27.5		2.34
3	5	37.5	*	2.57
3	5	47.5	*	1.46
3	5	57.5		2.23
3	5	67.5	*	4.20
3	5	77.5		5.64
3	5	87.5		9.53
3	6	1.5		4.38
3	6	4.4		3.43
3	6	14.4		4.24
3	6	24.4		4.20
3	7	1.5	*	3.10
3	7	9.0		4.34
3	7	19.0		4.63
3	7	29.0	*	3.10
3	8	1.5	*	1.69
3	8	6.7		2.33
3	8	16.7		2.53
3	8	26.7		2.02
3	8	36.7		2.19
3	8	46.7		4.21
3	9	1.5		0.84
3	9	4.0	*	0.70
3	9	14.0	*	0.98
3	9	24.0	*	1.01
3	9	34.0	*	0.76

TABLE . SW FLORIDA SHELF ECOSYSTEMS STUDY YEAR I; SILICATE (SIL)
LISTING OF CORRECTED & VERIFIED DATA.

CRUISE	STATION	DEPTH (M)	SAMPLE LEAKAGE	SILICATE (UM)
3	9	44.0	*	0.76
3	9	54.0	*	2.95
3	10	1.5	*	
3	10	7.0	*	3.10
3	10	19.0	*	3.92
3	10	29.0		1.80
3	10	39.0	*	
3	10	49.0		1.54
3	10	59.0	*	2.08
3	10	69.0		3.39
3	10	79.0	*	3.42
3	11	1.5	*	
3	11	6.5		0.17
3	11	16.5	*	0.54
3	11	26.5		0.72
3	11	36.5		0.84
3	11	46.5	*	0.69
3	11	56.5	*	
3	11	66.5	*	1.76
3	11	76.5		5.28
3	12	1.5		0.49
3	12	8.0		0.68
3	12	18.0		0.76
3	12	28.0	*	0.33
3	12	38.0		0.99
3	12	48.0	*	0.94
3	12	58.0		1.76
3	12	68.0		3.72
3	12	78.0	*	3.02
3	12	88.0	*	6.74
3	13	1.5	*	5.37
3	13	8.0		5.39
3	13	18.0		5.72
3	14	1.5	*	2.06
3	14	4.7		2.68
3	14	14.7	*	3.03
3	14	24.7		2.56
3	15	1.5	*	2.96
3	15	10.5		3.85
3	15	20.5		3.88
3	15	30.5		3.13
3	16	1.5	*	5.07
3	16	12.0		2.50
3	16	22.0		2.53
3	16	32.0	*	2.78
3	16	42.0		2.04
3	16	52.0		9.21
3	17	1.5		1.19
3	17	6.7		1.85
3	17	16.7	*	1.78

TABLE . SW FLORIDA SHELF ECOSYSTEMS STUDY YEAR I; SILICATE (SIL)
LISTING OF CORRECTED & VERIFIED DATA.

CRUISE	STATION	DEPTH (M)	SAMPLE LEAKAGE	SILICATE (UM)
3	17	26.7	*	1.04
3	17	36.7	*	0.69
3	17	46.7	*	0.84
3	17	56.7		6.07
3	18	1.5		1.58
3	18	4.1		1.50
3	18	14.1		1.36
3	18	24.1	*	0.74
3	18	34.1		1.40
3	18	44.1		2.10
3	18	54.1		1.70
3	18	64.1		2.88
3	18	74.1		3.75
3	18	84.1		4.63
3	19	1.5		0.17
3	19	11.0		0.20
3	19	21.0		0.19
3	20	1.5		0.12
3	20	11.4		0.17
3	20	21.4		0.22
3	21	1.5		2.85
3	21	3.3		3.07
3	21	13.3		3.11
3	21	23.3		2.76
3	21	33.3		2.76
3	21	43.3		2.62
3	22	1.5		1.40
3	22	10.3	*	
3	22	20.3		1.30
3	22	30.3		1.46
3	22	40.3		2.03
3	22	50.3		2.51
3	23	1.5		1.22
3	23	5.5		1.03
3	23	15.5		1.32
3	23	25.5		1.18
3	23	35.5		1.13
3	23	45.5		1.08
3	23	55.5		1.40
3	23	65.5		2.76
3	24	1.5	*	1.54
3	24	7.5		1.08
3	24	17.5		1.17
3	24	27.5		1.28
3	24	37.5	*	1.10
3	24	47.5		2.43
3	24	57.5		2.82
3	24	67.5		2.48
3	24	77.5		3.59
3	24	87.5		3.73

TABLE . SW FLORIDA SHELF ECOSYSTEMS STUDY YEAR I; SILICATE (SIL)
LISTING OF CORRECTED & VERIFIED DATA.

CRUISE	STATION	DEPTH (M)	SAMPLE LEAKAGE	SILICATE (UM)
3	25	1.5	*	7.64
3	25	12.3		8.89
3	25	22.3		3.78
3	26	1.5		1.78
3	26	7.2		1.91
3	26	17.2		1.78
3	26	27.2		0.94
3	26	37.2		1.62
3	27	1.5		1.92
3	27	11.8		1.64
3	27	21.8		1.74
3	27	31.8	*	1.64
3	27	41.8		1.64
3	27	51.8		1.92
3	28	1.5		1.50
3	28	7.3		1.42
3	28	17.3		1.42
3	28	27.3		1.54
3	28	37.3	*	2.95
3	28	47.3		1.60
3	28	57.3		2.61
3	29	1.5		1.50
3	29	10.0		1.26
3	29	20.0	*	1.22
3	29	30.0		1.22
3	29	40.0	*	1.18
3	29	50.0		1.85
3	29	60.0		1.85
3	30	1.5		1.01
3	30	4.4	*	0.46
3	30	14.4		0.84
3	30	24.4	*	0.93
3	30	34.4		1.28
3	30	44.4	*	1.60
3	30	54.4		1.35
3	30	64.4		1.69
3	30	74.4		2.00
4	1	1.5		0.150
4	1	12.3		0.200
4	1	22.3		1.600
4	2	1.5		0.300
4	2	2.9		0.300
4	2	12.9		0.300
4	2	22.9		1.800
4	3	1.5		0.900
4	3	9.8		1.000
4	3	19.8		0.900
4	3	29.8		1.900
4	3	39.8		2.200
4	3	49.8		1.900

TABLE . SW FLORIDA SHELF ECOSYSTEMS STUDY YEAR I; SILICATE (SIL)
LISTING OF CORRECTED & VERIFIED DATA.

CRUISE	STATION	DEPTH (M)	SAMPLE LEAKAGE	SILICATE (UM)
4	4	1.5		0.800
4	4	4.3		0.700
4	4	14.3		0.600
4	4	24.3		0.700
4	4	34.3		1.000
4	4	44.3		2.650
4	4	54.3		3.400
4	5	1.5		0.800
4	5	9.3		0.800
4	5	19.3		0.800
4	5	29.3		0.900
4	5	39.3		1.000
4	5	49.3		0.700
4	5	59.3		1.100
4	5	69.3		1.100
4	5	79.3		1.100
4	5	89.3		1.700
4	6	1.5		0.600
4	6	5.0		0.050
4	6	15.0		0.600
4	6	25.0		1.900
4	7	1.5		0.600
4	7	8.9		0.600
4	7	18.9		0.600
4	7	28.9		2.200
4	8	1.5		0.400
4	8	7.0		0.400
4	8	17.0		1.100
4	8	27.0		2.400
4	8	37.0		0.800
4	8	47.0		0.400
4	9	1.5		0.500
4	9	4.5		0.400
4	9	14.5		0.500
4	9	24.5		0.500
4	9	34.5		0.800
4	9	44.5		1.700
4	9	54.5		1.700
4	10	1.5		0.800
4	10	9.8		0.800
4	10	19.8		0.900
4	10	29.8		0.800
4	10	39.8		0.800
4	10	49.8		0.600
4	10	59.8		1.400
4	10	69.8		1.500
4	11	1.5		0.700
4	11	6.2		0.700
4	11	16.2		0.800
4	11	26.2		0.800

TABLE . SW FLORIDA SHELF ECOSYSTEMS STUDY YEAR I; SILICATE (SIL)
LISTING OF CORRECTED & VERIFIED DATA.

CRUISE	STATION	DEPTH (M)	SAMPLE LEAKAGE	SILICATE (UM)
4	11	36.2		0.600
4	11	46.2		0.800
4	11	56.2		1.000
4	11	66.2		1.100
4	11	76.2		1.200
4	12	1.5		0.600
4	12	8.5		0.800
4	12	18.5		0.900
4	12	28.5		0.700
4	12	38.5		0.800
4	12	48.5		1.100
4	12	58.5		1.100
4	12	68.5		1.100
4	12	78.5		1.200
4	12	88.5		1.900
4	13	1.5		0.700
4	13	8.3		0.800
4	13	18.3		1.700
4	14	1.5		1.100
4	14	4.5		1.200
4	14	14.5		1.100
4	14	24.5		2.700
4	15	1.5		0.600
4	15	9.5		0.600
4	15	19.5		0.900
4	15	29.5		2.700
4	16	1.5		0.600
4	16	12.4		0.600
4	16	22.4		1.100
4	16	32.4		1.400
4	16	42.4		2.300
4	16	52.4		2.450
4	17	1.5		0.800
4	17	7.0		0.700
4	17	17.0		1.000
4	17	27.0		1.100
4	17	37.0		1.800
4	17	47.0		1.900
4	17	57.0		2.300
4	18	1.5		0.700
4	18	5.1		0.700
4	18	15.1		0.800
4	18	25.1		0.700
4	18	35.1		0.700
4	18	45.1		0.900
4	18	55.1		1.000
4	18	65.1		1.200
4	18	75.1		1.500
4	18	85.1		2.200
4	19	1.5		0.400

TABLE . SW FLORIDA SHELF ECOSYSTEMS STUDY YEAR I; SILICATE (SIL)
LISTING OF CORRECTED & VERIFIED DATA.

CRUISE	STATION	DEPTH (M)	SAMPLE LEAKAGE	SILICATE (UM)
4	19	11.0		0.400
4	19	21.0		0.800
4	20	1.5		0.300
4	20	11.0		0.500
4	20	21.0		0.600
4	21	1.5		1.000
4	21	3.0		0.900
4	21	13.0		1.100
4	21	23.0		0.700
4	21	33.0		0.700
4	21	43.0		2.700
4	22	1.5		0.900
4	22	11.3		0.900
4	22	21.3		0.800
4	22	31.3		0.600
4	22	41.3		1.800
4	22	51.3		1.500
4	23	1.5		0.900
4	23	8.5		0.800
4	23	18.5		0.850
4	23	28.5		0.750
4	23	38.5		0.105
4	23	48.5		1.000
4	23	58.5		1.150
4	23	68.5		2.350
4	24	1.5		1.000
4	24	6.9		1.000
4	24	16.9		0.900
4	24	26.9		0.900
4	24	36.9		0.900
4	24	46.9		0.900
4	24	56.9		0.900
4	24	66.9		1.000
4	24	76.9		1.200
4	24	86.9		2.100
4	25	1.5		1.200
4	25	2.5		1.300
4	25	12.5		2.800
4	25	22.5		2.900
4	26	1.5		2.000
4	26	6.6		1.700
4	26	16.6		1.200
4	26	26.6		1.400
4	26	36.6		2.600
4	27	1.5		1.100
4	27	11.5		1.000
4	27	21.5		0.800
4	27	31.5		0.700
4	27	41.5		2.400
4	27	51.5		2.600

TABLE . SW FLORIDA SHELF ECOSYSTEMS STUDY YEAR I; SILICATE (SIL)
LISTING OF CORRECTED & VERIFIED DATA.

CRUISE	STATION	DEPTH (M)	SAMPLE LEAKAGE	SILICATE (UM)
4	28	1.5		0.800
4	28	7.0		0.800
4	28	17.0		0.700
4	28	27.0		0.800
4	28	37.0		2.400
4	28	47.0		2.600
4	28	57.0		2.300
4	29	1.5		1.000
4	29	9.5		1.000
4	29	19.5		1.900
4	29	29.5		1.200
4	29	39.5		1.200
4	29	49.5		1.300
4	29	59.5		1.300
4	30	1.5		1.000
4	30	4.5		1.000
4	30	14.5		1.100
4	30	24.5		3.800
4	30	34.5		0.400
4	30	44.5		0.050
4	30	54.5		0.000
4	30	64.5		1.650
4	30	74.5		1.950

NOTE: CRUISE NUMBERS "3" AND "4" REPRESENT THE FALL (OCTOBER 25-NOVEMBER 23, 1980) AND SPRING (APRIL 22-MAY 5, 1981) CRUISES, RESPECTIVELY.

AN "*" IN THE "SAMPLE LEAKAGE" COLUMN INDICATES THAT SOME LEAKAGE OCCURRED IN THE COLLECTED SAMPLE DURING FREEZING.

TABLE . SW FLORIDA SHELF ECOSYSTEMS STUDY YEAR II; SILICATE (SIL)
LISTING OF CORRECTED AND VERIFIED DATA.

CRUISE	STATION	DEPTH (M)	SILICATE (UM)
2	1	1.5	0.5
2	1	3.5	0.5
2	1	13.5	0.5
2	1	23.5	3.1
2	4	1.5	1.0
2	4	7.0	0.5
2	4	17.0	0.8
2	4	27.0	1.0
2	4	37.0	1.1
2	4	47.0	1.4
2	4	57.0	1.6
2	6	1.5	0.5
2	6	4.5	0.5
2	6	14.5	0.5
2	6	24.5	5.4
2	9	1.5	0.8
2	9	8.0	0.8
2	9	18.0	0.9
2	9	28.0	1.2
2	9	38.0	1.5
2	9	48.0	3.3
2	9	58.0	3.2
2	13	1.5	1.6
2	13	10.5	1.6
2	13	20.5	1.6
2	16	1.5	0.5
2	16	7.0	0.4
2	16	17.0	0.4
2	16	27.0	0.7
2	16	37.0	0.4
2	16	47.0	2.3
2	16	57.0	2.4
2	20	1.5	2.6
2	20	3.3	1.7
2	20	13.3	4.8
2	20	23.3	2.1
2	22	1.5	0.4
2	22	6.0	0.4
2	22	16.0	0.5
2	22	26.0	0.6
2	22	36.0	0.4
2	22	46.0	2.2
2	22	56.0	3.5
2	25	1.5	8.2
2	25	3.5	8.4
2	25	13.5	8.7
2	25	23.5	8.8
2	28	1.5	0.7
2	28	2.8	0.8
2	28	12.8	0.8

TABLE . SW FLORIDA SHELF ECOSYSTEMS STUDY YEAR II; SILICATE (SIL)
LISTING OF CORRECTED AND VERIFIED DATA.

CRUISE	STATION	DEPTH (M)	SILICATE (UM)
2	28	22.8	0.6
2	28	32.8	0.6
2	28	42.8	0.6
2	28	52.8	1.7
2	28	62.8	1.8
2	31	1.5	1.4
2	31	8.5	1.1
2	31	18.0	1.2
2	31	27.5	1.2
2	31	37.0	1.1
2	31	46.5	1.2
2	31	56.0	1.2
2	31	65.5	1.7
2	31	75.0	1.7
2	31	84.5	2.0
2	31	94.0	2.0
2	31	103.5	2.9
2	31	113.0	5.1
2	31	122.5	6.9
2	31	132.0	7.8
2	31	141.5	8.0
2	33	1.5	1.2
2	33	4.0	1.3
2	33	14.0	1.2
2	33	24.0	1.2
2	33	34.0	1.1
2	33	44.0	1.3
2	33	54.0	1.2
2	33	64.0	1.2
2	33	74.0	1.8
2	33	84.0	1.4
2	33	94.0	1.9
2	33	104.0	3.2
2	33	114.0	3.6
2	33	124.0	4.4
2	33	134.0	5.3
2	33	144.0	6.8
2	35	1.5	1.5
2	35	7.5	1.5
2	35	17.5	1.7
2	35	27.5	1.6
2	35	37.5	1.2
2	35	47.5	1.5
2	35	57.5	2.4
2	35	67.5	2.7
2	35	77.5	1.4
2	35	87.5	1.4
2	35	97.5	1.5
2	35	107.5	2.2
2	35	117.5	2.1

TABLE . SW FLORIDA SHELF ECOSYSTEMS STUDY YEAR II; SILICATE (SIL)
LISTING OF CORRECTED AND VERIFIED DATA.

CRUISE	STATION	DEPTH (M)	SILICATE (UM)
2	35	127.5	2.2
2	35	137.5	3.2
2	35	147.5	4.0
2	35	157.5	4.5
2	38	1.5	1.2
2	38	7.5	1.2
2	38	17.5	1.2
2	38	27.5	1.2
2	38	37.5	1.2
2	38	47.5	1.5
2	38	57.5	2.9
2	38	67.5	2.5
2	38	77.5	2.7
2	38	87.5	3.2
2	38	97.5	3.5
2	38	107.5	3.7
2	38	117.5	4.2
2	38	127.5	5.0
2	38	137.5	6.0
2	38	147.5	6.1
2	38	157.5	6.2
2	39	1.5	1.2
2	39	10.0	1.2
2	39	20.0	1.2
2	39	30.0	1.2
2	39	40.0	1.6
2	39	50.0	1.4
2	39	60.0	1.9
2	39	70.0	1.8
2	39	80.0	2.1
2	39	90.0	2.3
2	39	100.0	2.8
2	39	110.0	7.5
2	39	120.0	8.3
2	39	130.0	8.9
2	39	140.0	0.0
2	39	150.0	0.5
3	01	1.5	1.10
3	01	4.5	1.20
3	01	14.5	1.00
3	01	24.5	1.10
3	04	1.5	0.60
3	04	7.0	0.60
3	04	17.0	0.60
3	04	27.0	0.60
3	04	37.0	0.50
3	04	47.0	2.00
3	04	57.0	9.70
3	06	1.5	1.10
3	06	6.5	1.20

TABLE . SW FLORIDA SHELF ECOSYSTEMS STUDY YEAR II; SILICATE (SIL)
LISTING OF CORRECTED AND VERIFIED DATA.

CRUISE	STATION	DEPTH (M)	SILICATE (UM)
3	06	16.5	1.40
3	06	26.5	1.10
3	09	1.5	0.80
3	09	8.5	0.80
3	09	18.5	0.80
3	09	28.5	0.80
3	09	38.5	0.90
3	09	48.5	1.30
3	09	58.5	1.30
3	13	2.0	1.20
3	13	12.0	1.30
3	13	22.0	1.40
3	16	1.5	0.80
3	16	7.5	0.80
3	16	17.5	0.80
3	16	27.5	1.00
3	16	37.5	1.60
3	16	47.5	1.50
3	16	57.5	1.60
3	20	2.5	1.30
3	20	12.5	1.20
3	20	22.5	1.20
3	22	1.5	1.00
3	22	6.5	1.00
3	22	16.5	1.20
3	22	26.5	1.40
3	22	36.5	1.70
3	22	46.5	2.00
3	22	56.5	2.00
3	25	1.5	0.50
3	25	3.0	0.50
3	25	13.0	0.60
3	25	23.0	0.60
3	28	1.5	0.70
3	28	2.8	0.60
3	28	12.8	0.60
3	28	22.8	0.60
3	28	32.8	0.60
3	28	42.8	1.00
3	28	52.8	1.50
3	28	62.8	1.80
3	31	1.5	0.50
3	31	12.0	2.00
3	31	22.0	1.00
3	31	32.0	0.50
3	31	42.0	0.50
3	31	52.0	0.64*
3	31	62.0	1.02*
3	31	72.0	1.22*
3	31	82.0	2.56*

TABLE . SW FLORIDA SHELF ECOSYSTEMS STUDY YEAR II; SILICATE (SIL)
LISTING OF CORRECTED AND VERIFIED DATA.

CRUISE	STATION	DEPTH (M)	SILICATE (UM)
3	31	92.0	2.70*
3	31	102.0	3.20*
3	31	112.0	3.43*
3	31	122.0	3.88*
3	31	132.0	9.60*
3	31	142.0	5.23*
3	33	1.5	0.60
3	33	4.0	0.60
3	33	14.0	0.60
3	33	24.0	0.60
3	33	34.0	0.60
3	33	44.0	0.60
3	33	54.0	0.60
3	33	64.0	1.00*
3	33	74.0	1.35*
3	33	84.0	1.01*
3	33	94.0	1.02*
3	33	104.0	1.57*
3	33	114.0	2.12*
3	33	124.0	3.02*
3	33	134.0	4.41*
3	33	144.0	5.19*
3	35	1.5	0.70
3	35	7.5	0.70
3	35	17.5	0.60
3	35	27.5	0.60
3	35	37.5	0.70
3	35	47.5	0.70
3	35	57.5	0.70
3	35	67.5	0.40*
3	35	77.5	1.17*
3	35	87.5	0.17*
3	35	97.5	0.24*
3	35	107.5	0.67*
3	35	117.5	0.70*
3	35	127.5	0.60*
3	35	137.5	0.57*
3	35	147.5	0.50*
3	35	157.5	0.57*
3	38	1.5	0.70
3	38	7.5	0.70
3	38	17.5	0.70
3	38	27.5	0.60
3	38	37.5	0.70
3	38	47.5	0.60
3	38	57.5	0.50
3	38	67.5	0.50*
3	38	77.5	1.01*
3	38	87.5	0.81*
3	38	97.5	0.81*

TABLE . SW FLORIDA SHELF ECOSYSTEMS STUDY YEAR II; SILICATE (SIL)
LISTING OF CORRECTED AND VERIFIED DATA.

CRUISE	STATION	DEPTH (M)	SILICATE (UM)
3	38	107.5	1.00*
3	38	117.5	1.23*
3	38	127.5	3.99*
3	38	137.5	4.36*
3	38	147.5	4.84*
3	38	157.5	4.10*
3	39	1.5	1.60
3	39	8.5	0.70
3	39	18.5	0.60
3	39	28.5	0.60
3	39	38.5	0.70
3	39	48.5	1.00
3	39	58.5	1.00
3	39	68.5	1.35*
3	39	78.5	1.97*
3	39	88.5	2.19*
3	39	98.5	2.50*
3	39	108.5	2.73*
3	39	118.5	3.40*
3	39	128.5	3.91*
3	39	138.5	5.58*
3	39	148.5	6.42*

NOTE: CRUISE NUMBERS "2" AND "3" REPRESENT THE SUMMER (JULY 16-AUGUST 5, 1981) AND WINTER (JANUARY 28-FEBRUARY 15, 1982) CRUISES, RESPECTIVELY.

AN "*" INDICATES THAT THE VALUE LISTED IS A MEAN OF DUPLICATE ANALYSES RUN ON A GIVEN SAMPLE.

TABLE . SW FLORIDA SHELF ECOSYSTEMS STUDY YEAR I; INORGANIC NITROGEN (NITRATE + NITRITE). LISTING OF CORRECTED AND VERIFIED DATA.

CRUISE	STATION	DEPTH (M)	SAMPLE LEAKAGE	NITRATE + NITRITE (UM)
3	1	1.5		0.00
3	1	3.0	*	0.20
3	1	13.0		0.00
3	1	23.0	*	0.00
3	2	1.5		0.20
3	2	2.5		0.00
3	2	12.5		0.35
3	2	22.5		0.07
3	3	1.5		0.00
3	3	7.5		0.20
3	3	17.5	*	0.00
3	3	27.5	*	0.00
3	3	37.5	*	0.00
3	3	47.5	*	0.20
3	4	1.5		0.40
3	4	3.0		0.00
3	4	13.0		0.10
3	4	23.0		0.40
3	4	33.0		0.20
3	4	43.0	*	0.10
3	4	53.0		1.00
3	5	1.5		0.10
3	5	7.5		0.00
3	5	17.5		0.10
3	5	27.5		0.00
3	5	37.5	*	0.10
3	5	47.5	*	0.00
3	5	57.5		0.10
3	5	67.5	*	1.40
3	5	77.5		8.50
3	5	87.5		4.90
3	6	1.5		0.12
3	6	4.4		0.05
3	6	14.4		0.12
3	6	24.4		0.08
3	7	1.5	*	0.03
3	7	9.0		0.10
3	7	19.0		0.12
3	7	29.0	*	0.00
3	8	1.5	*	0.09
3	8	6.7		0.06
3	8	16.7		0.06
3	8	26.7		0.09
3	8	36.7		0.11
3	8	46.7		0.89
3	9	1.5		0.04
3	9	4.0	*	0.00
3	9	14.0	*	0.06
3	9	24.0	*	0.07
3	9	34.0	*	0.00

TABLE . SW FLORIDA SHELF ECOSYSTEMS STUDY YEAR I; INORGANIC NITROGEN (NITRATE + NITRITE). LISTING OF CORRECTED AND VERIFIED DATA.

CRUISE	STATION	DEPTH (M)	SAMPLE LEAKAGE	NITRATE + NITRITE (UM)
3	9	44.0	*	0.19
3	9	54.0	*	0.57
3	10	1.5	*	0.22
3	10	9.0	*	0.00
3	10	19.0	*	0.00
3	10	29.0		0.12
3	10	39.0	*	0.07
3	10	49.0		0.08
3	10	59.0	*	0.35
3	10	69.0		1.58
3	10	79.0	*	1.08
3	11	1.5	*	
3	11	6.5		0.00
3	11	16.5	*	0.07
3	11	26.5		0.15
3	11	36.5		0.16
3	11	46.5	*	0.00
3	11	56.5	*	0.31
3	11	66.5	*	0.41
3	11	76.5		
3	12	1.5		0.00
3	12	8.0		0.00
3	12	18.0		0.00
3	12	28.0	*	0.00
3	12	38.0		0.20
3	12	48.0	*	0.00
3	12	58.0		0.20
3	12	68.0		3.40
3	12	78.0	*	2.80
3	12	88.0	*	9.20
3	13	1.5	*	0.06
3	13	8.0		0.08
3	13	18.0		0.20
3	14	1.5	*	0.03
3	14	4.7		0.08
3	14	14.7	*	0.05
3	14	24.7		0.07
3	15	1.5	*	0.01
3	15	10.5		0.12
3	15	20.5		0.10
3	15	30.5		0.06
3	16	1.5	*	0.12
3	16	12.0		0.10
3	16	22.0		0.08
3	16	32.0	*	0.14
3	16	42.0		0.02
3	16	52.0		4.08
3	17	1.5		0.21
3	17	6.7		0.08
3	17	16.7	*	0.07

TABLE . SW FLORIDA SHELF ECOSYSTEMS STUDY YEAR I; INORGANIC NITROGEN (NITRATE + NITRITE). LISTING OF CORRECTED AND VERIFIED DATA.

CRUISE	STATION	DEPTH (M)	SAMPLE LEAKAGE	NITRATE + NITRITE (UM)
3	17	26.7	*	0.00
3	17	36.7	*	0.00
3	17	46.7	*	0.06
3	17	56.7		2.96
3	18	1.5		0.01
3	18	4.1		0.00
3	18	14.1		0.18
3	18	24.1	*	0.00
3	18	34.1		0.00
3	18	44.1		0.04
3	18	54.1		0.17
3	18	64.1		1.25
3	18	74.1		3.50
3	18	84.1		4.74
3	19	1.5		0.00
3	19	11.4		0.00
3	19	21.4		0.00
3	20	1.5		0.00
3	20	11.4		0.00
3	20	21.4		0.00
3	21	1.5		0.07
3	21	3.3		0.03
3	21	13.3		0.02
3	21	23.3		0.06
3	21	33.3		0.08
3	21	43.3		0.68
3	22	1.5		0.00
3	22	10.3	*	
3	22	20.3		0.35
3	22	30.3		0.00
3	22	40.3		0.09
3	22	50.3		0.46
3	23	1.5		0.01
3	23	5.5		0.00
3	23	15.5		0.00
3	23	25.5		0.00
3	23	35.5		0.00
3	23	45.5		0.00
3	23	55.5		0.01
3	23	65.5		3.20
3	24	1.5	*	0.01
3	24	7.5		0.29
3	24	17.5		0.09
3	24	27.5		0.16
3	24	37.5	*	0.52
3	24	47.5		1.08
3	24	57.5		4.18
3	24	67.5		5.41
3	24	77.5		6.41
3	24	87.5		7.55

TABLE . SW FLORIDA SHELF ECOSYSTEMS STUDY YEAR I; INORGANIC NITROGEN (NITRATE + NITRITE). LISTING OF CORRECTED AND VERIFIED DATA.

CRUISE	STATION	DEPTH (M)	SAMPLE LEAKAGE	NITRATE + NITRITE (UM)
3	25	1.5	*	0.05
3	25	12.3		0.04
3	25	22.3		0.05
3	26	1.5		0.02
3	26	7.2		0.00
3	26	17.2		0.04
3	26	27.2		0.00
3	26	37.2		0.09
3	27	1.5		0.09
3	27	11.8		0.10
3	27	21.8		0.04
3	27	31.8	*	0.04
3	27	41.8		0.03
3	27	51.8		0.32
3	28	1.5		0.14
3	28	7.3		0.10
3	28	17.3		0.05
3	28	27.3		0.10
3	28	37.3	*	0.06
3	28	47.3		0.21
3	28	57.3		1.06
3	29	1.5		0.14
3	29	10.0		0.05
3	29	20.0	*	0.10
3	29	30.0		0.00
3	29	40.0	*	0.13
3	29	50.0		2.28
3	29	60.0		2.68
3	30	1.5		0.08
3	30	4.4	*	0.00
3	30	14.4		0.09
3	30	24.4	*	0.06
3	30	34.4		0.48
3	30	44.4		2.11
3	30	54.4		2.26
3	30	64.4		2.18
3	30	74.4		3.74
4	1	1.5		0.065
4	1	12.3		0.000
4	1	22.3		0.000
4	2	1.5		0.065
4	2	2.9		0.100
4	2	12.9		0.250
4	2	22.9		0.000
4	3	1.5		0.100
4	3	9.8		0.000
4	3	19.8		0.000
4	3	29.8		0.000
4	3	39.8		0.000
4	3	49.8		0.000

TABLE . SW FLORIDA SHELF ECOSYSTEMS STUDY YEAR I; INORGANIC NITROGEN (NITRATE + NITRITE). LISTING OF CORRECTED AND VERIFIED DATA.

CRUISE	STATION	DEPTH (M)	SAMPLE LEAKAGE	NITRATE + NITRITE (UM)
4	4	1.5		0.200
4	4	4.3		0.250
4	4	14.3		0.360
4	4	24.3		0.000
4	4	34.3		0.100
4	4	44.3		0.385
4	4	54.3		1.600
4	5	1.5		0.200
4	5	9.3		0.100
4	5	19.3		0.100
4	5	29.3		0.000
4	5	39.3		0.100
4	5	49.3		0.200
4	5	59.3		0.200
4	5	69.3		0.100
4	5	79.3		0.200
4	5	89.3		1.500
4	6	1.5		0.100
4	6	5.0		0.270
4	6	15.0		0.100
4	6	25.0		0.100
4	7	1.5		0.100
4	7	8.9		0.150
4	7	18.9		0.130
4	7	28.9		0.200
4	8	1.5		0.290
4	8	7.0		0.180
4	8	17.0		0.100
4	8	27.0		0.050
4	8	37.0		0.270
4	8	47.0		0.190
4	9	1.5		0.230
4	9	4.5		0.180
4	9	14.5		0.180
4	9	24.5		0.210
4	9	34.5		0.120
4	9	44.5		1.550
4	9	54.5		1.530
4	10	1.5		0.240
4	10	9.8		0.240
4	10	19.8		0.120
4	10	29.8		0.210
4	10	39.8		0.120
4	10	49.8		0.900
4	10	59.8		0.240
4	10	69.8		1.460
4	11	1.5		0.330
4	11	6.2		0.300
4	11	16.2		0.660
4	11	26.3		0.330

TABLE . SW FLORIDA SHELF ECOSYSTEMS STUDY YEAR I; INORGANIC NITROGEN (NITRATE + NITRITE). LISTING OF CORRECTED AND VERIFIED DATA.

CRUISE	STATION	DEPTH (M)	SAMPLE LEAKAGE	NITRATE + NITRITE (UM)
4	11	36.3		0.720
4	11	46.3		0.300
4	11	56.3		0.270
4	11	66.2		0.360
4	11	76.2		1.330
4	12	1.5		0.480
4	12	8.5		0.420
4	12	18.5		0.780
4	12	28.5		0.300
4	12	38.5		0.390
4	12	48.5		2.700
4	12	58.5		1.220
4	12	68.5		1.760
4	12	78.5		1.510
4	12	88.5		2.250
4	13	1.5		0.110
4	13	8.3		0.100
4	13	18.3		0.230
4	14	1.5		0.180
4	14	4.5		0.230
4	14	14.5		0.200
4	14	24.5		0.370
4	15	1.5		0.210
4	15	9.5		0.180
4	15	19.5		0.180
4	15	29.5		0.310
4	16	1.5		0.160
4	16	12.4		0.380
4	16	22.4		0.400
4	16	32.4		0.520
4	16	42.4		0.480
4	16	52.4		0.260
4	17	1.5		0.200
4	17	7.0		0.280
4	17	17.0		0.210
4	17	27.0		0.260
4	17	37.0		0.280
4	17	47.0		0.280
4	17	57.0		0.270
4	18	1.5		0.180
4	18	5.1		0.420
4	18	15.1		0.250
4	18	25.1		0.210
4	18	35.1		0.120
4	18	45.1		0.240
4	18	55.1		0.180
4	18	65.1		1.310
4	18	75.1		3.010
4	18	85.1		2.870
4	19	1.5		0.200

TABLE . SW FLORIDA SHELF ECOSYSTEMS STUDY YEAR I; INORGANIC NITROGEN (NITRATE + NITRITE). LISTING OF CORRECTED AND VERIFIED DATA.

CRUISE	STATION	DEPTH (M)	SAMPLE LEAKAGE	NITRATE + NITRITE (UM)
4	19	11.0		0.220
4	19	21.0		0.220
4	20	1.5		0.310
4	20	11.0		0.420
4	20	21.0		0.430
4	21	1.5		0.000
4	21	3.0		0.140
4	21	13.0		0.290
4	21	23.0		0.260
4	21	33.0		0.310
4	21	43.0		0.180
4	22	1.5		0.390
4	22	11.3		0.250
4	22	21.3		0.520
4	22	31.3		0.620
4	22	41.3		0.290
4	22	51.3		0.400
4	23	1.5		0.300
4	23	8.5		0.310
4	23	18.5		0.280
4	23	28.5		0.245
4	23	38.5		0.100
4	23	48.5		0.000
4	23	58.5		0.130
4	23	68.5		1.850
4	24	1.5		0.000
4	24	6.9		0.000
4	24	16.9		0.100
4	24	26.9		0.200
4	24	36.9		0.000
4	24	46.9		0.270
4	24	56.9		0.000
4	24	66.9		0.000
4	24	76.9		0.000
4	24	86.9		1.300
4	25	1.5		0.100
4	25	2.5		0.500
4	25	12.5		0.200
4	25	22.5		0.000
4	26	1.5		0.100
4	26	6.6		0.100
4	26	16.6		0.200
4	26	26.6		0.100
4	26	36.6		0.500
4	27	1.5		0.000
4	27	11.5		0.200
4	27	21.5		0.000
4	27	31.5		0.000
4	27	41.5		0.100
4	27	51.5		0.150

TABLE . SW FLORIDA SHELF ECOSYSTEMS STUDY YEAR I; INORGANIC NITROGEN (NITRATE + NITRITE). LISTING OF CORRECTED AND VERIFIED DATA.

CRUISE	STATION	DEPTH (M)	SAMPLE LEAKAGE	NITRATE + NITRITE (UM)
4	28	1.5		0.240
4	28	7.0		0.430
4	28	17.0		0.170
4	28	27.0		0.170
4	28	37.0		0.100
4	28	47.0		0.170
4	28	57.0		0.270
4	29	1.5		0.120
4	29	9.5		0.350
4	29	19.5		0.130
4	29	29.5		1.160
4	29	39.5		1.650
4	29	49.5		1.700
4	29	59.5		1.730
4	30	1.5		0.080
4	30	4.5		0.210
4	30	14.5		0.150
4	30	24.5		0.180
4	30	34.5		0.180
4	30	44.5		0.045
4	30	54.5		0.130
4	30	64.5		3.770
4	30	74.5		3.750

NOTE: CRUISE NUMBERS "3" AND "4" REPRESENT THE FALL (OCTOBER 25-NOVEMBER 23, 1980) AND SPRING (APRIL 22-MAY 5, 1981) CRUISES, RESPECTIVELY.

AN "*" IN THE "SAMPLE LEAKAGE" COLUMN INDICATES THAT SOME LEAKAGE OCCURRED IN THE COLLECTED SAMPLE DURING FREEZING.

TABLE . SW FLORIDA SHELF ECOSYSTEMS STUDY YEAR II; INORGANIC NITROGEN (NITRATE + NITRITE)
LISTING OF CORRECTED AND VERIFIED DATA.

CRUISE	STATION	DEPTH (M)	NITRATE+NITRITE (UM)
2	1	1.5	0.2
2	1	3.5	0.2
2	1	13.5	0.1
2	1	23.5	0.1
2	4	1.5	0.2
2	4	7.0	0.0
2	4	17.0	0.2
2	4	27.0	0.2
2	4	37.0	0.1
2	4	47.0	0.1
2	4	57.0	0.5
2	6	1.5	0.1
2	6	4.5	0.2
2	6	14.5	0.3
2	6	24.5	0.1
2	9	1.5	0.0
2	9	8.0	0.0
2	9	18.0	0.0
2	9	28.0	0.2
2	9	38.0	0.1
2	9	48.0	0.1
2	9	58.0	0.3
2	13	1.5	0.1
2	13	10.5	0.0
2	13	20.5	0.2
2	16	1.5	0.4
2	16	7.0	0.1
2	16	17.0	0.1
2	16	27.0	0.2
2	16	37.0	0.1
2	16	47.0	0.1
2	16	57.0	0.1
2	20	1.5	0.0
2	20	3.3	0.0
2	20	13.3	0.0
2	20	23.3	0.1
2	22	1.5	0.1
2	22	6.0	0.1
2	22	16.0	0.1
2	22	26.0	0.1
2	22	36.0	0.0
2	22	46.0	0.1
2	22	56.0	0.1
2	25	1.5	0.0
2	25	3.5	0.0
2	25	13.5	0.1
2	25	23.5	0.1
2	28	1.5	0.0
2	28	2.8	0.0
2	28	12.8	0.0

TABLE . SW FLORIDA SHELF ECOSYSTEMS STUDY YEAR II; INORGANIC NITROGEN (NITRATE + NITRITE) LISTING OF CORRECTED AND VERIFIED DATA.

CRUISE	STATION	DEPTH (M)	NITRATE+NITRITE (UM)
2	28	22.5	0.0
2	28	32.5	0.0
2	28	42.5	0.0
2	28	52.5	0.0
2	28	62.5	0.1
2	31	1.5	0.5
2	31	8.5	0.5
2	31	18.0	0.7
2	31	27.5	1.0
2	31	37.0	0.7
2	31	46.5	0.5
2	31	56.0	0.7
2	31	65.5	1.6
2	31	75.0	1.4
2	31	84.5	3.9
2	31	94.0	4.0
2	31	103.5	6.2
2	31	113.0	9.0
2	31	122.5	12.6
2	31	132.0	15.1
2	31	141.5	14.0
2	33	1.5	0.5
2	33	4.0	1.3
2	33	14.0	1.2
2	33	24.0	1.2
2	33	34.0	0.6
2	33	44.0	1.2
2	33	54.0	1.1
2	33	64.0	0.9
2	33	74.0	4.0
2	33	84.0	1.5
2	33	94.0	3.5
2	33	104.0	6.2
2	33	114.0	6.4
2	33	124.0	8.2
2	33	134.0	9.9
2	33	144.0	13.0
2	35	1.5	0.1
2	35	7.5	0.1
2	35	17.5	0.4
2	35	27.5	0.4
2	35	37.5	0.2
2	35	47.5	0.5
2	35	57.5	3.5
2	35	67.5	6.0
2	35	77.5	0.3
2	35	87.5	0.2
2	35	97.5	1.4
2	35	107.5	2.2
2	35	117.5	3.4

TABLE . SW FLORIDA SHELF ECOSYSTEMS STUDY YEAR II; INORGANIC NITROGEN (NITRATE + NITRITE) LISTING OF CORRECTED AND VERIFIED DATA.

CRUISE	STATION	DEPTH (M)	NITRATE+NITRITE (UM)
2	35	127.5	4.7
2	35	137.5	7.8
2	35	147.5	9.2
2	35	157.5	10.1
2	38	1.5	0.1
2	38	7.5	0.1
2	38	17.5	0.2
2	38	27.5	0.2
2	38	37.5	0.2
2	38	47.5	0.2
2	38	57.5	3.8
2	38	67.5	5.8
2	38	77.5	6.7
2	38	87.5	7.6
2	38	97.5	8.3
2	38	107.5	8.5
2	38	117.5	9.3
2	38	127.5	11.4
2	38	137.5	13.2
2	38	147.5	13.4
2	38	157.5	13.4
2	39	1.5	0.2
2	39	10.0	0.2
2	39	20.0	0.2
2	39	30.0	0.2
2	39	40.0	0.2
2	39	50.0	0.2
2	39	60.0	0.4
2	39	70.0	1.0
2	39	80.0	2.7
2	39	90.0	3.9
2	39	100.0	5.4
2	39	110.0	14.0
2	39	120.0	16.3
2	39	130.0	18.2
2	39	140.0	19.9
2	39	150.0	20.4
3	01	1.5	0.02
3	01	4.5	0.19
3	01	14.5	0.04
3	01	24.5	0.06
3	04	1.5	0.14
3	04	7.0	0.14
3	04	17.0	0.17
3	04	27.0	0.18
3	04	37.0	0.18
3	04	47.0	0.30
3	04	57.0	0.25
3	06	1.5	0.10
3	06	6.5	0.24

TABLE . SW FLORIDA SHELF ECOSYSTEMS STUDY YEAR II; INORGANIC NITROGEN (NITRATE + NITRITE) LISTING OF CORRECTED AND VERIFIED DATA.

CRUISE	STATION	DEPTH (M)	NITRATE+NITRITE (UM)
3	06	16.5	0.06
3	06	26.5	0.27
3	09	1.5	0.11
3	09	8.5	0.20
3	09	18.5	0.16
3	09	28.5	0.18
3	09	38.5	0.14
3	09	48.5	0.58
3	09	58.5	0.21
3	13	2.0	0.12
3	13	12.0	0.12
3	13	22.0	0.32
3	16	1.5	0.06
3	16	7.5	0.10
3	16	17.5	0.12
3	16	27.5	0.14
3	16	37.5	0.12
3	16	47.5	0.11
3	16	57.5	0.17
3	20	2.5	0.14
3	20	12.5	0.09
3	20	22.5	0.15
3	22	1.5	0.07
3	22	6.5	0.12
3	22	16.5	0.04
3	22	26.5	0.30
3	22	36.5	0.12
3	22	46.5	0.36
3	22	56.5	0.35
3	25	1.5	0.00
3	25	3.0	0.00
3	25	13.0	0.00
3	25	23.0	0.15
3	28	1.5	0.03
3	28	2.8	0.05
3	28	12.8	0.16
3	28	22.8	0.16
3	28	32.8	0.11
3	28	42.8	0.15
3	28	52.8	0.25
3	28	62.8	0.33
3	31	1.5	0.03
3	31	12.0	0.23
3	31	22.0	0.05
3	31	32.0	0.04
3	31	42.0	0.23
3	31	52.0	0.95
3	31	62.0	1.40
3	31	72.0	2.60
3	31	82.0	6.40

TABLE . SW FLORIDA SHELF ECOSYSTEMS STUDY YEAR II; INORGANIC NITROGEN (NITRATE + NITRITE) LISTING OF CORRECTED AND VERIFIED DATA.

CRUISE	STATION	DEPTH (M)	NITRATE+NITRITE (UM)
3	31	92.0	6.20
3	31	102.0	9.40
3	31	112.0	9.30
3	31	122.0	9.90
3	31	132.0	10.00
3	31	142.0	11.70
3	33	1.5	0.13
3	33	4.0	0.18
3	33	14.0	0.07
3	33	24.0	0.04
3	33	34.0	0.06
3	33	44.0	0.16
3	33	54.0	1.24
3	33	64.0	2.90
3	33	74.0	3.50
3	33	84.0	3.60
3	33	94.0	3.20
3	33	104.0	4.50
3	33	114.0	6.30
3	33	124.0	8.50
3	33	134.0	11.20
3	33	144.0	12.50
3	35	1.5	0.09
3	35	7.5	0.12
3	35	17.5	0.15
3	35	27.5	0.14
3	35	37.5	0.13
3	35	47.5	0.18
3	35	57.5	0.20
3	35	67.5	0.50
3	35	77.5	2.10
3	35	87.5	1.00
3	35	97.5	1.30
3	35	107.5	0.30
3	35	117.5	0.50
3	35	127.5	0.20
3	35	137.5	0.30
3	35	147.5	0.50
3	35	157.5	1.30
3	38	1.5	0.15
3	38	7.5	0.00
3	38	17.5	0.04
3	38	27.5	0.02
3	38	37.5	0.05
3	38	47.5	0.06
3	38	57.5	0.23
3	38	67.5	1.30
3	38	77.5	2.60
3	38	87.5	2.50
3	38	97.5	2.40

TABLE . SW FLORIDA SHELF ECOSYSTEMS STUDY YEAR II; INORGANIC NITROGEN (NITRATE + NITRITE) LISTING OF CORRECTED AND VERIFIED DATA.

CRUISE	STATION	DEPTH (M)	NITRATE+NITRITE (UM)
3	38	107.5	3.00
3	38	117.5	3.70
3	38	127.5	8.30
3	38	137.5	10.40
3	38	147.5	11.40
3	38	157.5	10.20
3	39	1.5	0.07
3	39	8.5	0.08
3	39	18.5	0.12
3	39	28.5	0.14
3	39	38.5	0.71
3	39	48.5	2.18
3	39	58.5	2.00
3	39	68.5	3.60
3	39	78.5	6.10
3	39	88.5	6.70
3	39	98.5	7.60
3	39	108.5	8.40
3	39	118.5	10.10
3	39	128.5	11.30
3	39	138.5	14.80
3	39	148.5	16.10

NOTE: CRUISE NUMBERS "2" AND "3" REPRESENT THE SUMMER (JULY 16-AUGUST 5, 1981) AND WINTER (JANUARY 28-FEBRUARY 15, 1982) CRUISES, RESPECTIVELY.

TABLE . SW FLORIDA SHELF ECOSYSTEMS STUDY YEAR I; NITRITE (NIT)
LISTING OF CORRECTED & VERIFIED DATA.

CRUISE	STATION	DEPTH (M)	SAMPLE LEAKAGE	NITRITE (UM)
3	1	1.5		0.12
3	1	3.0	*	0.14
3	1	13.0		0.14
3	1	23.0	*	0.22
3	2	1.5		0.06
3	2	2.5		0.06
3	2	12.5		0.06
3	2	22.5		0.04
3	3	1.5		0.16
3	3	7.5		0.09
3	3	17.5	*	0.03
3	3	27.5	*	0.00
3	3	37.5	*	0.21
3	3	47.5	*	0.42
3	4	1.5		0.00
3	4	3.0		0.07
3	4	13.0		0.06
3	4	23.0		0.12
3	4	33.0		0.16
3	4	43.0	*	0.20
3	4	53.0		0.61
3	5	1.5		0.04
3	5	7.5		0.03
3	5	17.5		0.08
3	5	27.5		0.06
3	5	37.5	*	0.04
3	5	47.5	*	0.00
3	5	57.5		0.06
3	5	67.5	*	0.46
3	5	77.5		0.08
3	5	87.5		0.12
3	6	1.5		0.11
3	6	4.4		0.06
3	6	14.4		0.08
3	6	24.4		0.06
3	7	1.5	*	0.03
3	7	9.0		0.07
3	7	19.0		0.04
3	7	29.0	*	0.04
3	8	1.5	*	0.06
3	8	6.7		0.06
3	8	16.7		0.01
3	8	26.7		0.04
3	8	36.7		0.04
3	8	46.7		0.70
3	9	1.5		0.03
3	9	4.0	*	0.00
3	9	14.0	*	0.04
3	9	24.0	*	0.04
3	9	34.0	*	0.01

TABLE . SW FLORIDA SHELF ECOSYSTEMS STUDY YEAR I; NITRITE (NIT)
LISTING OF CORRECTED & VERIFIED DATA.

CRUISE	STATION	DEPTH (M)	SAMPLE LEAKAGE	NITRITE (UM)
3	9	44.0	*	0.06
3	9	54.0	*	0.43
3	10	1.5	*	0.01
3	10	9.0	*	0.00
3	10	19.0	*	0.01
3	10	29.0		0.10
3	10	39.0	*	0.02
3	10	49.0		0.06
3	10	59.0	*	0.26
3	10	69.0		0.85
3	10	79.0	*	0.58
3	11	1.0	*	
3	11	6.5		0.02
3	11	16.5	*	0.03
3	11	26.5		0.08
3	11	36.5		0.02
3	11	46.5	*	0.00
3	11	56.5	*	0.14
3	11	66.5	*	0.40
3	11	76.5		0.41
3	12	1.5		0.12
3	12	8.0		0.06
3	12	18.0		0.09
3	12	28.0	*	0.06
3	12	38.0		0.16
3	12	48.0	*	0.16
3	12	58.0		0.35
3	12	68.0		0.57
3	12	78.0	*	0.35
3	12	88.0	*	0.34
3	13	1.5	*	0.04
3	13	8.0		0.05
3	13	18.0		0.08
3	14	1.5	*	0.04
3	14	4.7		0.05
3	14	14.7	*	0.03
3	14	24.7		0.04
3	15	1.5	*	0.02
3	15	10.5		0.06
3	15	20.5		0.06
3	15	30.5		0.03
3	16	1.5		0.05
3	16	12.0		0.04
3	16	22.0		0.04
3	16	32.0	*	0.04
3	16	42.0		0.10
3	16	52.0		1.76
3	17	1.5		0.10
3	17	6.7		0.07
3	17	16.7	*	0.08

TABLE . SW FLORIDA SHELF ECOSYSTEMS STUDY YEAR I; NITRITE (NIT)
LISTING OF CORRECTED & VERIFIED DATA.

CRUISE	STATION	DEPTH (M)	SAMPLE LEAKAGE	NITRITE (UM)
3	17	26.7	*	0.10
3	17	36.7	*	0.05
3	17	46.7	*	0.09
3	17	56.7		1.40
3	18	1.5		0.06
3	18	4.1		0.00
3	18	14.1		0.02
3	18	24.1	*	0.00
3	18	34.1		0.01
3	18	44.1		0.03
3	18	54.1		0.20
3	18	64.1		0.38
3	18	74.1		0.41
3	18	84.1		0.34
3	19	1.5		0.00
3	19	11.0		0.00
3	19	21.0		0.00
3	20	1.5		0.00
3	20	11.4		0.00
3	20	21.4		0.00
3	21	1.5		0.00
3	21	3.3		0.00
3	21	13.3		0.00
3	21	23.3		0.00
3	21	33.3		0.00
3	21	43.3		0.00
3	22	1.5		0.01
3	22	10.3	*	
3	22	20.3		0.01
3	22	30.3		0.00
3	22	40.3		0.05
3	22	50.3		0.18
3	23	1.5		0.00
3	23	5.5		0.00
3	23	15.5		0.00
3	23	25.5		0.00
3	23	35.5		0.00
3	23	45.5		0.00
3	23	55.5		0.00
3	23	65.5		0.48
3	24	1.5	*	0.00
3	24	7.5		0.00
3	24	17.5		0.00
3	24	27.5		0.03
3	24	37.5	*	0.12
3	24	47.5		0.22
3	24	57.5		0.21
3	24	67.5		0.24
3	24	77.5		0.57
3	24	87.5		0.40

TABLE . SW FLORIDA SHELF ECOSYSTEMS STUDY YEAR I; NITRITE (NIT)
LISTING OF CORRECTED & VERIFIED DATA.

CRUISE	STATION	DEPTH (M)	SAMPLE LEAKAGE	NITRITE (UM)
3	25	1.5	*	0.00
3	25	12.3		0.00
3	25	22.3		0.01
3	26	1.5		0.00
3	26	7.2		0.00
3	26	17.2		0.04
3	26	27.2		0.00
3	26	37.2		0.04
3	27	1.5		0.03
3	27	11.8		0.02
3	27	21.8		0.03
3	27	31.8	*	0.02
3	27	41.8		0.03
3	27	51.8		0.18
3	28	1.5		0.16
3	28	7.3		
3	28	17.3		0.09
3	28	27.3		0.08
3	28	37.3	*	0.06
3	28	47.3		0.15
3	28	57.3		0.48
3	29	1.5		0.16
3	29	10.0		0.05
3	29	20.0	*	0.11
3	29	30.0		0.08
3	29	40.0	*	0.10
3	29	50.0		0.26
3	29	60.0		0.26
3	30	1.5		0.08
3	30	4.4	*	0.00
3	30	14.4		0.07
3	30	24.4	*	0.02
3	30	34.4		0.20
3	30	44.4	*	0.21
3	30	54.4		0.16
3	30	64.4		0.28
3	30	74.4		0.14
4	1	1.5		0.025
4	1	12.3		0.010
4	1	22.3		0.010
4	2	1.5		0.010
4	2	2.9		0.020
4	2	12.9		0.050
4	2	22.9		0.020
4	3	1.5		0.030
4	3	9.8		0.020
4	3	19.8		0.010
4	3	29.8		0.000
4	3	39.8		0.020
4	3	49.8		0.010

TABLE . SW FLORIDA SHELF ECOSYSTEMS STUDY YEAR I; NITRITE (NIT)
LISTING OF CORRECTED & VERIFIED DATA.

CRUISE	STATION	DEPTH (M)	SAMPLE LEAKAGE	NITRITE (UM)
4	4	1.5		0.090
4	4	4.3		0.150
4	4	14.3		0.120
4	4	24.3		0.020
4	4	34.3		0.020
4	4	44.3		0.023
4	4	54.3		0.880
4	5	1.5		0.120
4	5	9.3		0.030
4	5	19.3		0.040
4	5	29.3		0.000
4	5	39.3		0.050
4	5	49.3		0.120
4	5	59.3		0.150
4	5	69.3		0.100
4	5	79.3		0.080
4	5	89.3		0.360
4	6	1.5		0.080
4	6	5.0		0.100
4	6	15.0		0.040
4	6	25.0		0.080
4	7	1.5		0.010
4	7	8.9		0.030
4	7	18.9		0.020
4	7	28.9		0.020
4	8	1.5		0.090
4	8	7.0		0.080
4	8	17.0		0.060
4	8	27.0		0.040
4	8	37.0		0.150
4	8	47.0		0.170
4	9	1.5		0.020
4	9	4.5		0.010
4	9	14.5		0.020
4	9	24.5		0.000
4	9	34.5		0.020
4	9	44.5		0.290
4	9	54.5		0.300
4	10	1.5		0.010
4	10	9.8		0.010
4	10	19.8		0.050
4	10	29.8		0.010
4	10	39.8		0.030
4	10	49.8		0.060
4	10	59.8		0.090
4	10	69.8		0.150
4	11	1.5		0.010
4	11	6.2		0.000
4	11	16.2		0.000
4	11	26.2		0.000

TABLE . SW FLORIDA SHELF ECOSYSTEMS STUDY YEAR I; NITRITE (NIT)
LISTING OF CORRECTED & VERIFIED DATA.

CRUISE	STATION	DEPTH (M)	SAMPLE LEAKAGE	NITRITE (UM)
4	11	36.2		0.000
4	11	46.2		0.000
4	11	56.2		0.000
4	11	66.2		0.030
4	11	76.2		0.440
4	12	1.5		0.110
4	12	8.5		0.220
4	12	18.5		0.380
4	12	28.5		0.000
4	12	38.5		0.160
4	12	48.5		1.800
4	12	58.5		0.560
4	12	68.5		0.870
4	12	78.5		0.510
4	12	88.5		0.540
4	13	1.5		0.030
4	13	8.3		0.020
4	13	18.3		0.050
4	14	1.5		0.040
4	14	4.5		0.060
4	14	14.5		0.010
4	14	24.5		0.160
4	15	1.5		0.020
4	15	9.5		0.020
4	15	19.5		0.020
4	15	29.5		0.020
4	16	1.5		0.030
4	16	12.4		0.130
4	16	22.4		0.110
4	16	32.4		0.130
4	16	42.4		0.220
4	16	52.4		0.040
4	17	1.5		0.020
4	17	7.0		0.020
4	17	17.0		0.000
4	17	27.0		0.020
4	17	37.0		0.040
4	17	47.0		0.040
4	17	57.0		0.000
4	18	1.5		0.120
4	18	5.1		0.130
4	18	15.1		0.080
4	18	25.1		0.070
4	18	35.1		0.020
4	18	45.1		0.040
4	18	55.1		0.030
4	18	65.1		0.130
4	18	75.1		0.110
4	18	85.1		0.180
4	19	1.5		0.020

TABLE . SW FLORIDA SHELF ECOSYSTEMS STUDY YEAR I; NITRITE (NIT)
LISTING OF CORRECTED & VERIFIED DATA.

CRUISE	STATION	DEPTH (M)	SAMPLE LEAKAGE	NITRITE (UM)
4	19	11.0		0.040
4	19	21.0		0.050
4	20	1.5		0.120
4	20	11.0		0.130
4	20	21.0		0.190
4	21	1.5		0.000
4	21	3.0		0.020
4	21	13.0		0.050
4	21	23.0		0.040
4	21	33.0		0.060
4	21	43.0		0.020
4	22	1.5		0.080
4	22	11.3		0.060
4	22	21.3		0.210
4	22	31.3		0.060
4	22	41.3		0.140
4	22	51.3		0.050
4	23	1.5		0.000
4	23	8.5		0.040
4	23	18.5		0.030
4	23	28.5		0.030
4	23	38.5		0.000
4	23	48.5		0.000
4	23	58.5		0.000
4	23	68.5		0.480
4	24	1.5		0.040
4	24	6.9		0.000
4	24	16.9		0.140
4	24	26.9		0.080
4	24	36.9		0.010
4	24	46.9		0.110
4	24	56.9		0.000
4	24	66.9		0.000
4	24	76.9		0.010
4	24	86.9		0.250
4	25	1.5		0.000
4	25	2.5		0.000
4	25	12.5		0.000
4	25	22.5		0.000
4	26	1.5		0.080
4	26	6.6		0.030
4	26	16.6		0.050
4	26	26.6		0.050
4	26	36.6		0.000
4	27	1.5		0.030
4	27	11.5		0.060
4	27	21.5		0.030
4	27	31.5		0.060
4	27	41.5		0.060
4	27	51.5		0.020

TABLE . SW FLORIDA SHELF ECOSYSTEMS STUDY YEAR I; NITRITE (NIT)
LISTING OF CORRECTED & VERIFIED DATA.

CRUISE	STATION	DEPTH (M)	SAMPLE LEAKAGE	NITRITE (UM)
4	28	1.5		0.040
4	28	7.0		0.020
4	28	17.0		0.040
4	28	27.0		0.020
4	28	37.0		0.010
4	28	47.0		0.020
4	28	57.0		0.020
4	29	1.5		0.020
4	29	9.5		0.020
4	29	19.5		0.020
4	29	29.5		0.050
4	29	39.5		0.080
4	29	49.5		0.060
4	29	59.5		0.080
4	30	1.5		0.050
4	30	4.5		0.040
4	30	14.5		0.050
4	30	24.5		0.040
4	30	34.5		0.020
4	30	44.5		0.010
4	30	54.5		0.005
4	30	64.5		0.045
4	30	74.5		0.115

NOTE: CRUISE NUMBERS "3" AND "4" REPRESENT THE FALL (OCTOBER 25-NOVEMBER 23, 1980) AND SPRING (APRIL 22-MAY 5, 1981) CRUISES, RESPECTIVELY.

AN "*" IN THE "SAMPLE LEAKAGE" COLUMN INDICATES THAT SOME LEAKAGE OCCURRED IN THE COLLECTED SAMPLE DURING FREEZING.

TABLE . SW FLORIDA SHELF ECOSYSTEMS STUDY YEAR II; NITRITE (NIT)
LISTING OF CORRECTED AND VERIFIED DATA.

CRUISE	STATION	DEPTH (M)	NITRITE (UM)
2	1	1.5	0.02
2	1	3.5	0.02
2	1	13.5	0.05
2	1	23.5	0.06
2	4	1.5	0.09
2	4	7.0	0.05
2	4	17.0	0.06
2	4	27.0	0.05
2	4	37.0	0.06
2	4	47.0	0.07
2	4	57.0	0.22
2	6	1.5	0.06
2	6	4.5	0.07
2	6	14.5	0.09
2	6	24.5	0.08
2	9	1.5	0.06
2	9	8.0	0.03
2	9	18.0	0.03
2	9	28.0	0.06
2	9	38.0	0.06
2	9	48.0	0.06
2	9	58.0	0.08
2	13	1.5	0.00
2	13	10.5	0.02
2	13	20.5	0.07
2	16	1.5	0.15
2	16	7.0	0.06
2	16	17.0	0.06
2	16	27.0	0.07
2	16	37.0	0.04
2	16	47.0	0.08
2	16	57.0	0.05
2	20	1.5	0.00
2	20	3.3	0.02
2	20	13.3	0.01
2	20	23.3	0.09
2	22	1.5	0.02
2	22	6.0	0.05
2	22	16.0	0.04
2	22	26.0	0.09
2	22	36.0	0.01
2	22	46.0	0.05
2	22	56.0	0.02
2	25	1.5	0.00
2	25	3.5	0.02
2	25	13.5	0.01
2	25	23.5	0.02
2	28	1.5	0.00
2	28	2.8	0.02
2	28	12.8	0.02

TABLE . SW FLORIDA SHELF ECOSYSTEMS STUDY YEAR II; NITRITE (NIT)
LISTING OF CORRECTED AND VERIFIED DATA.

CRUISE	STATION	DEPTH (M)	NITRITE (UM)
2	28	22.8	0.01
2	28	32.8	0.00
2	28	42.8	0.00
2	28	52.8	0.00
2	28	62.8	0.01
2	31	1.5	0.00
2	31	8.5	0.00
2	31	18.0	0.00
2	31	27.5	0.00
2	31	37.0	0.00
2	31	46.5	0.00
2	31	56.0	0.00
2	31	65.5	0.00
2	31	75.0	0.10
2	31	84.5	0.16
2	31	94.0	0.04
2	31	103.5	0.03
2	31	113.0	0.00
2	31	122.5	0.00
2	31	132.0	0.11
2	31	141.5	0.09
2	33	1.5	0.00
2	33	4.0	0.95
2	33	14.0	0.81
2	33	24.0	0.66
2	33	34.0	0.00
2	33	44.0	0.80
2	33	54.0	0.57
2	33	64.0	0.44
2	33	74.0	2.43
2	33	84.0	0.16
2	33	94.0	0.12
2	33	104.0	0.08
2	33	114.0	0.24
2	33	124.0	0.07
2	33	134.0	0.00
2	33	144.0	0.30
2	35	1.5	0.10
2	35	7.5	0.04
2	35	17.5	0.28
2	35	27.5	0.16
2	35	37.5	0.04
2	35	47.5	0.12
2	35	57.5	0.52
2	35	67.5	0.37
2	35	77.5	0.08
2	35	87.5	0.02
2	35	97.5	0.16
2	35	107.5	0.28
2	35	117.5	0.48

TABLE . SW FLORIDA SHELF ECOSYSTEMS STUDY YEAR II; NITRITE (NIT)
LISTING OF CORRECTED AND VERIFIED DATA.

CRUISE	STATION	DEPTH (M)	NITRITE (UM)
2	35	127.5	0.37
2	35	137.5	0.22
2	35	147.5	0.14
2	35	157.5	0.09
2	38	1.5	0.00
2	38	7.5	0.01
2	38	17.5	0.04
2	38	27.5	0.06
2	38	37.5	0.06
2	38	47.5	0.10
2	38	57.5	0.37
2	38	67.5	0.36
2	38	77.5	0.08
2	38	87.5	0.05
2	38	97.5	0.03
2	38	107.5	0.03
2	38	117.5	0.04
2	38	127.5	0.06
2	38	137.5	0.07
2	38	147.5	0.08
2	38	157.5	0.09
2	39	1.5	0.03
2	39	10.0	0.04
2	39	20.0	0.02
2	39	30.0	0.02
2	39	40.0	0.03
2	39	50.0	0.06
2	39	60.0	0.05
2	39	70.0	0.32
2	39	80.0	0.66
2	39	90.0	0.35
2	39	100.0	0.13
2	39	110.0	0.12
2	39	120.0	0.06
2	39	130.0	0.03
2	39	140.0	0.07
2	39	150.0	0.07
3	1	1.5	-0.01
3	1	4.5	-0.01
3	1	14.5	0.01
3	1	24.5	0.02
3	4	1.5	0.01
3	4	7.0	0.02
3	4	17.0	0.02
3	4	27.0	0.02
3	4	37.0	0.02
3	4	47.0	0.04
3	4	57.0	0.36
3	6	1.5	0.03
3	6	6.5	0.03

TABLE . SW FLORIDA SHELF ECOSYSTEMS STUDY YEAR II; NITRITE (NIT)
LISTING OF CORRECTED AND VERIFIED DATA.

CRUISE	STATION	DEPTH (M)	NITRITE (UM)
3	6	16.5	0.01
3	6	26.5	0.02
3	9	1.5	0.02
3	9	8.5	0.01
3	9	18.5	0.02
3	9	28.5	0.02
3	9	38.5	0.02
3	9	48.5	0.03
3	9	58.5	0.03
3	13	2.0	0.00
3	13	12.0	0.01
3	13	22.0	0.15
3	16	1.5	0.02
3	16	7.5	0.02
3	16	17.5	0.04
3	16	27.5	0.03
3	16	37.5	0.04
3	16	47.5	0.02
3	16	57.5	0.03
3	20	2.5	0.00
3	20	12.5	0.00
3	20	22.5	0.09
3	22	1.5	0.00
3	22	6.5	0.00
3	22	16.5	0.00
3	22	26.5	0.02
3	22	36.5	0.02
3	22	46.5	0.02
3	22	56.5	0.06
3	25	1.5	0.00
3	25	3.0	0.01
3	25	13.0	0.01
3	25	23.0	0.10
3	28	1.5	0.00
3	28	2.8	0.01
3	28	12.8	0.02
3	28	22.8	0.02
3	28	32.8	0.01
3	28	42.8	0.00
3	28	52.8	0.04
3	28	62.8	0.06
3	31	1.5	-0.01
3	31	12.0	-0.01
3	31	22.0	.01
3	31	32.0	.01
3	31	42.0	0.10
3	31	52.0	0.21
3	31	62.0	0.27
3	31	72.0	0.39
3	31	82.0	0.14

TABLE . SW FLORIDA SHELF ECOSYSTEMS STUDY YEAR II; NITRITE (NIT)
LISTING OF CORRECTED AND VERIFIED DATA.

CRUISE	STATION	DEPTH (M)	NITRITE (UM)
3	31	92.0	0.15
3	31	102.0	0.04
3	31	112.0	0.02
3	31	122.0	0.02
3	31	132.0	0.06
3	31	142.0	0.05
3	33	1.5	0.02
3	33	4.0	0.02
3	33	14.0	0.02
3	33	24.0	0.03
3	33	34.0	0.00
3	33	44.0	0.03
3	33	54.0	0.40
3	33	64.0	0.50
3	33	74.0	0.57
3	33	84.0	0.35
3	33	94.0	0.34
3	33	104.0	0.06
3	33	114.0	0.02
3	33	124.0	0.05
3	33	134.0	0.05
3	33	144.0	0.08
3	35	1.5	0.00
3	35	7.5	0.02
3	35	17.5	0.03
3	35	27.5	0.03
3	35	37.5	0.02
3	35	47.5	0.02
3	35	57.5	0.04
3	35	67.5	0.12
3	35	77.5	0.27
3	35	87.5	0.31
3	35	97.5	0.37
3	35	107.5	0.00
3	35	117.5	0.00
3	35	127.5	0.00
3	35	137.5	0.02
3	35	147.5	0.05
3	35	157.5	0.38
3	38	1.5	0.03
3	38	7.5	0.01
3	38	17.5	0.04
3	38	27.5	0.00
3	38	37.5	0.02
3	38	47.5	0.01
3	38	57.5	0.12
3	38	67.5	0.40
3	38	77.5	0.20
3	38	87.5	0.23
3	38	97.5	0.12

TABLE . SW FLORIDA SHELF ECOSYSTEMS STUDY YEAR II; NITRITE (NIT)
LISTING OF CORRECTED AND VERIFIED DATA.

CRUISE	STATION	DEPTH (M)	NITRITE (UM)
3	38	107.5	0.05
3	38	117.5	0.00
3	38	127.5	0.02
3	38	137.5	0.01
3	38	147.5	0.03
3	38	157.5	0.09
3	39	1.5	0.01
3	39	8.5	0.02
3	39	18.5	0.02
3	39	28.5	0.02
3	39	38.5	0.15
3	39	48.5	0.46
3	39	58.5	0.25
3	39	68.5	0.25
3	39	78.5	0.07
3	39	88.5	0.04
3	39	98.5	0.05
3	39	108.5	0.04
3	39	118.5	0.05
3	39	128.5	0.04
3	39	138.5	0.02
3	39	148.5	0.02

NOTE: CRUISE NUMBERS "2" AND "3" REPRESENT THE SUMMER (JULY 16-AUGUST 5, 1981) AND WINTER (JANUARY 28-FEBRUARY 15, 1982) CRUISES, RESPECTIVELY.

NEGATIVE VALUES ARE WITHIN THE ERROR OF SAMPLING MEASUREMENTS.

TABLE SW FLORIDA SHELF ECOSYSTEMS STUDY YEAR I; DISSOLVED OXYGEN--HYDROLAB PROFILES (DOH)
LISTING OF CORRECTED & VERIFIED DATA.

CRUISE	STATION	DEPTH (M)	OXYGEN (PPM)
3	1	1.5	
3	1	3.0	
3	1	10.0	
3	1	20.0	
3	1	23.0	
3	2	1.5	6.1
3	2	10.0	5.9
3	2	20.0	5.9
3	2	23.0	5.8
3	3	1.5	6.0
3	3	7.5	5.9
3	3	17.5	5.7
3	3	27.5	5.7
3	3	37.5	5.4
3	3	47.5	4.5
3	4	1.5	6.3
3	4	10.0	6.3
3	4	20.0	6.3
3	4	30.0	6.3
3	4	40.0	6.3
3	4	50.0	5.3
3	4	53.0	5.3
3	5	1.5	5.4
3	5	10.0	5.4
3	5	20.0	5.5
3	5	30.0	5.6
3	5	40.0	6.0
3	5	50.0	4.8
3	5	60.0	3.6
3	5	70.0	3.6
3	5	80.0	3.2
3	5	88.6	3.2
3	6	1.5	6.4
3	6	10.0	6.4
3	6	20.0	6.3
3	6	24.4	6.3
3	7	1.5	6.2
3	7	10.0	6.1
3	7	20.0	6.0
3	7	30.0	6.0
3	8	1.5	6.4
3	8	10.0	6.4
3	8	20.0	6.3
3	8	30.0	6.3
3	8	40.0	6.2
3	8	46.7	4.4
3	9	1.5	6.1
3	9	10.0	6.2
3	9	20.0	6.2
3	9	30.0	6.2

TABLE SW FLORIDA SHELF ECOSYSTEMS STUDY YEAR I; DISSOLVED OXYGEN--HYDROLAB PROFILES (DOH)
LISTING OF CORRECTED & VERIFIED DATA.

CRUISE	STATION	DEPTH (M)	OXYGEN (PPM)
3	9	40.0	6.2
3	9	50.0	5.4
3	9	55.0	5.2
3	10	1.5	6.4
3	10	10.0	6.4
3	10	20.0	6.4
3	10	30.0	6.4
3	10	40.0	6.3
3	10	50.0	6.7
3	10	60.0	5.2
3	10	70.0	5.1
3	10	79.0	4.9
3	11	1.5	6.5
3	11	10.0	6.5
3	11	20.0	6.4
3	11	30.0	6.3
3	11	40.0	6.3
3	11	50.0	6.5
3	11	60.0	6.0
3	11	70.0	4.5
3	11	80.0	4.0
3	12	1.5	6.4
3	12	10.0	6.2
3	12	20.0	6.3
3	12	30.0	6.3
3	12	40.0	6.5
3	12	50.0	6.4
3	12	60.0	6.1
3	12	70.0	4.6
3	12	80.0	4.0
3	12	88.0	3.8
3	12	89.5	3.7
3	13	1.5	6.3
3	13	10.0	6.2
3	13	19.5	6.2
3	14	1.5	6.5
3	14	10.0	6.5
3	14	20.0	6.4
3	14	24.7	6.4
3	15	1.5	6.0
3	15	10.0	6.0
3	15	20.0	6.0
3	15	30.0	6.0
3	15	30.5	6.0
3	16	1.5	6.3
3	16	10.0	6.5
3	16	20.0	6.3
3	16	30.0	6.3
3	16	40.0	6.2
3	16	50.0	3.5

TABLE SW FLORIDA SHELF ECOSYSTEMS STUDY YEAR I; DISSOLVED OXYGEN--HYDROLAB PROFILES (DOH)
LISTING OF CORRECTED & VERIFIED DATA.

CRUISE	STATION	DEPTH (M)	OXYGEN (PPM)
3	16	52.0	3.3
3	17	1.5	6.4
3	17	10.0	6.4
3	17	20.0	6.4
3	17	30.0	6.3
3	17	40.0	6.3
3	17	50.0	6.3
3	17	58.0	4.4
3	18	1.5	6.2
3	18	10.0	6.2
3	18	20.0	6.2
3	18	30.0	6.1
3	18	40.0	6.1
3	18	50.0	5.9
3	18	60.0	5.7
3	18	70.0	4.8
3	18	80.0	4.8
3	18	85.0	4.5
3	19	1.5	6.7
3	19	10.0	6.7
3	19	20.0	6.5
3	20	1.5	6.7
3	20	10.0	6.6
3	20	20.0	6.6
3	20	21.4	6.5
3	21	1.5	6.5
3	21	10.0	6.5
3	21	20.0	6.5
3	21	30.0	6.5
3	21	40.0	6.0
3	21	44.0	5.8
3	22	1.5	6.6
3	22	10.0	6.6
3	22	20.0	6.6
3	22	30.0	6.6
3	22	40.0	6.4
3	22	50.3	6.1
3	23	1.5	6.7
3	23	10.0	6.7
3	23	20.0	6.7
3	23	30.0	6.7
3	23	40.0	6.6
3	23	50.0	6.0
3	23	60.0	5.1
3	23	68.6	4.9
3	24	1.5	6.5
3	24	10.0	6.5
3	24	20.0	6.5
3	24	30.0	6.5
3	24	40.0	6.4

TABLE SW FLORIDA SHELF ECOSYSTEMS STUDY YEAR I; DISSOLVED OXYGEN--HYDROLAB PROFILES (DOH)
LISTING OF CORRECTED & VERIFIED DATA.

CRUISE	STATION	DEPTH (M)	OXYGEN (PPM)
3	24	50.0	5.8
3	24	60.0	4.9
3	24	70.0	4.8
3	24	80.0	4.7
3	24	87.5	4.4
3	25	1.5	6.5
3	25	10.0	6.4
3	25	20.0	6.0
3	25	24.0	5.8
3	26	1.5	
3	26	10.0	
3	26	20.0	
3	26	30.0	
3	26	37.2	
3	27	1.5	6.2
3	27	10.0	6.2
3	27	20.0	6.2
3	27	30.0	6.2
3	27	40.0	6.1
3	27	50.0	6.1
3	27	53.0	5.8
3	28	1.5	6.4
3	28	10.0	6.3
3	28	20.0	6.3
3	28	30.0	6.3
3	28	40.0	6.3
3	28	50.0	5.8
3	28	57.3	5.8
3	29	1.5	6.3
3	29	10.0	6.3
3	29	20.0	6.3
3	29	30.0	6.2
3	29	40.0	6.2
3	29	50.0	5.9
3	29	60.0	5.3
3	29	61.5	5.3
3	30	1.5	6.4
3	30	10.0	6.3
3	30	20.0	6.3
3	30	30.0	6.3
3	30	40.0	5.7
3	30	50.0	5.4
3	30	60.0	5.4
3	30	70.0	5.3
3	30	75.3	5.3
4	1	1.5	5.1
4	1	10.0	6.0
4	1	20.0	7.1
4	1	22.0	7.2
4	2	1.5	5.5

TABLE SW FLORIDA SHELF ECOSYSTEMS STUDY YEAR I; DISSOLVED OXYGEN--HYDROLAB PROFILES (DOH)
LISTING OF CORRECTED & VERIFIED DATA.

CRUISE	STATION	DEPTH (M)	OXYGEN (PPM)
4	2	10.0	6.3
4	2	20.0	7.3
4	2	23.2	7.4
4	3	1.5	5.7
4	3		
4	3	10.0	6.8
4	3	20.0	7.2
4	3	30.0	7.1
4	3	40.0	7.0
4	3	49.8	6.8
4	4	1.5	5.6
4	4		
4	4	10.0	6.5
4	4	20.0	6.9
4	4	30.0	7.5
4	4	40.0	6.9
4	4	50.0	6.4
4	4	54.3	6.3
4	5	1.5	5.1
4	5	10.0	6.0
4	5	20.0	6.3
4	5	30.0	6.7
4	5	40.0	6.8
4	5	50.0	6.8
4	5	60.0	6.6
4	5	70.0	6.7
4	5	80.0	6.9
4	5	89.3	6.7
4	6	1.5	5.0
4	6	10.0	6.0
4	6	20.0	6.3
4	6	25.0	6.3
4	7	1.5	5.0
4	7	10.0	6.0
4	7	20.0	6.2
4	7	24.0	6.3
4	8	1.5	4.9
4	8	10.0	6.0
4	8	20.0	6.6
4	8	30.0	6.3
4	8	40.0	6.5
4	8	47.0	6.5
4	9	1.5	5.0
4	9	10.0	6.7
4	9	20.0	6.4
4	9	30.0	6.8
4	9	40.0	6.2
4	9	50.0	6.2
4	9	54.5	6.2
4	10	1.5	6.0

TABLE SW FLORIDA SHELF ECOSYSTEMS STUDY YEAR I; DISSOLVED OXYGEN--HYDROLAB PROFILES (DOH)
LISTING OF CORRECTED & VERIFIED DATA.

CRUISE	STATION	DEPTH (M)	OXYGEN (PPM)
4	10	10.0	5.9
4	10	20.0	6.7
4	10	30.0	7.0
4	10	40.0	7.3
4	10	50.0	7.3
4	10	60.0	7.2
4	10	69.8	7.0
4	11	1.5	5.6
4	11	5.0	5.8
4	11	10.0	6.2
4	11	15.0	6.3
4	11	20.0	6.5
4	11	25.0	6.5
4	11	30.0	6.5
4	11	35.0	6.6
4	11	40.0	6.6
4	11	45.0	6.5
4	11	50.0	6.4
4	11	55.0	6.3
4	11	60.0	6.2
4	11	65.0	6.2
4	11	70.0	6.1
4	11	75.0	6.0
4	11	76.2	6.0
4	12	1.5	5.8
4	12	5.0	6.5
4	12	10.0	6.4
4	12	15.0	6.5
4	12	20.0	6.8
4	12	25.0	7.0
4	12	30.0	7.1
4	12	35.0	7.1
4	12	40.0	7.0
4	12	45.0	7.0
4	12	50.0	7.0
4	12	55.0	7.0
4	12	60.0	7.0
4	12	65.0	6.9
4	12	70.0	6.9
4	12	75.0	6.9
4	12	80.0	6.8
4	12	85.0	6.8
4	12	88.7	6.8
4	13	1.5	6.3
4	13	5.0	6.5
4	13	10.0	6.6
4	13	15.0	7.3
4	13	18.3	7.4
4	14	1.5	6.4
4	14	5.0	6.6

TABLE SW FLORIDA SHELF ECOSYSTEMS STUDY YEAR I; DISSOLVED OXYGEN--HYDROLAB PROFILES (DOH)
LISTING OF CORRECTED & VERIFIED DATA.

CRUISE	STATION	DEPTH (M)	OXYGEN (PPM)
4	14	10.0	6.7
4	14	15.0	6.9
4	14	20.0	7.3
4	14	24.5	7.3
4	15	1.5	5.8
4	15	10.0	6.4
4	15	20.0	7.2
4	15	29.5	7.0
4	16	1.5	6.0
4	16	10.0	6.9
4	16	20.0	7.4
4	16	30.0	7.5
4	16	40.0	7.2
4	16	50.0	7.1
4	16	52.4	7.2
4	17	1.5	6.1
4	17	5.0	6.4
4	17	10.0	7.0
4	17	15.0	8.9
4	17	20.0	7.4
4	17	25.0	7.5
4	17	30.0	7.5
4	17	35.0	7.4
4	17	40.0	7.3
4	17	45.0	7.3
4	17	50.0	7.2
4	17	55.0	7.2
4	17	57.0	7.3
4	18	1.5	6.1
4	18	10.0	6.6
4	18	20.0	7.0
4	18	30.0	7.2
4	18	40.0	7.4
4	18	50.0	7.2
4	18	60.0	7.2
4	18	70.0	6.8
4	18	80.0	6.6
4	18	85.1	6.6
4	19	1.5	7.5
4	19	10.0	8.2
4	19	20.0	7.7
4	19	21.0	7.7
4	20	1.5	6.4
4	20	10.0	6.7
4	20	20.0	7.4
4	20	21.0	7.6
4	21	1.5	6.1
4	21	10.0	6.5
4	21	20.0	6.7
4	21	30.0	7.1

TABLE SW FLORIDA SHELF ECOSYSTEMS STUDY YEAR I; DISSOLVED OXYGEN--HYDROLAB PROFILES (DOH)
LISTING OF CORRECTED & VERIFIED DATA.

CRUISE	STATION	DEPTH (M)	OXYGEN (PPM)
4	21	40.0	7.3
4	21	43.0	7.3
4	22	1.5	6.5
4	22	10.0	6.6
4	22	20.0	6.7
4	22	30.0	6.8
4	22	40.0	6.8
4	22	50.0	6.6
4	22	51.2	6.7
4	23	1.5	7.5
4	23	10.0	7.1
4	23	20.0	7.2
4	23	30.0	7.1
4	23	40.0	7.5
4	23	50.0	7.5
4	23	60.0	7.4
4	23	68.5	6.7
4	24	1.5	8.0
4	24	10.0	7.1
4	24	20.0	8.3
4	24	30.0	8.1
4	24	40.0	7.7
4	24	50.0	7.5
4	24	60.0	7.6
4	24	70.0	7.6
4	24	80.0	7.6
4	24	86.9	7.0
4	25	1.5	7.1
4	25	5.0	6.7
4	25	10.0	6.9
4	25	15.0	7.0
4	25	20.0	7.0
4	25	22.5	7.0
4	26	1.5	6.7
4	26	10.0	6.7
4	26	20.0	6.8
4	26	30.0	6.9
4	26	36.5	6.9
4	27	1.5	6.6
4	27	10.0	6.6
4	27	20.0	6.7
4	27	30.0	6.8
4	27	40.0	7.4
4	27	50.0	7.1
4	28	1.5	7.7
4	28	10.0	7.7
4	28	20.0	7.7
4	28	30.0	8.0
4	28	40.0	7.8
4	28	50.0	7.8

TABLE SW FLORIDA SHELF ECOSYSTEMS STUDY YEAR I; DISSOLVED OXYGEN--HYDROLAB PROFILES (DOH)
LISTING OF CORRECTED & VERIFIED DATA.

CRUISE	STATION	DEPTH (M)	OXYGEN (PPM)
4	28	56.5	7.8
4	29	1.5	6.6
4	29	10.0	6.5
4	29	20.0	6.7
4	29	30.0	5.9
4	29	40.0	5.7
4	29	50.0	5.8
4	29	60.0	5.8
4	30	1.5	7.1
4	30	10.0	7.8
4	30	20.0	7.1
4	30	30.0	7.1
4	30	40.0	7.5
4	30	50.0	7.2
4	30	60.0	6.2
4	30	70.0	5.9
4	30	74.5	6.0

NOTE: CRUISE NUMBERS "3" AND "4" REPRESENT THE FALL (OCTOBER 25-NOVEMBER 23, 1980) AND SPRING (APRIL 22-MAY 5, 1981) CRUISES, RESPECTIVELY.

TABLE . SW FLORIDA SHELF ECOSYSTEMS STUDY YEAR II; DISSOLVED OXYGEN--HYDROLAB PROFILES (DOH)
LISTING OF CORRECTED & VERIFIED DATA.

CRUISE	STATION	DEPTH (M)	OXYGEN (PPM)
2	01	1.5	6.99
2	01	10.0	7.12
2	01	20.0	7.71
2	01	23.5	7.86
2	04	1.5	7.60
2	04	10.0	7.70
2	04	20.0	8.20
2	04	30.0	8.10
2	04	40.0	8.10
2	04	50.0	7.20
2	04	57.0	7.20
2	06	1.5	7.05
2	06	10.0	7.21
2	06	20.0	7.89
2	06	24.5	8.45
2	09	1.5	7.15
2	09	10.0	8.00
2	09	20.0	8.21
2	09	30.0	8.56
2	09	40.0	8.65
2	09	50.0	8.05
2	09	58.0	8.05
2	13	1.5	7.29
2	13	10.0	7.31
2	13	20.0	7.35
2	13	20.5	7.35
2	16	1.5	6.85
2	16	10.0	6.85
2	16	20.0	7.80
2	16	30.0	8.15
2	16	40.0	8.35
2	16	50.0	7.80
2	16	57.0	7.85
2	20	1.5	6.90
2	20	10.0	7.00
2	20	20.0	7.00
2	20	23.3	7.10
2	22	1.5	6.70
2	22	10.0	6.80
2	22	20.0	7.60
2	22	30.0	8.10
2	22	40.0	7.60
2	22	50.0	7.60
2	22	54.0	7.70
2	25	1.5	7.00
2	25	10.0	7.05
2	25	20.0	7.05
2	25	23.5	7.15
2	28	1.5	7.40
2	28	10.0	7.40

TABLE . SW FLORIDA SHELF ECOSYSTEMS STUDY YEAR II; DISSOLVED OXYGEN--HYDROLAB PROFILES (DOH)
LISTING OF CORRECTED & VERIFIED DATA.

CRUISE	STATION	DEPTH (M)	OXYGEN (PPM)
2	28	20.0	7.60
2	28	30.0	8.30
2	28	40.0	8.50
2	28	50.0	7.90
2	28	60.0	7.90
2	31	1.5	7.51
2	31	10.0	7.75
2	31	20.0	8.11
2	31	30.0	8.35
2	31	40.0	8.50
2	31	50.0	8.55
2	31	60.0	8.25
2	31	70.0	7.91
2	31	80.0	7.65
2	31	90.0	7.21
2	31	100.0	6.82
2	31	110.0	6.37
2	31	120.0	5.85
2	33	1.5	7.10
2	33	10.0	7.40
2	33	20.0	8.00
2	33	30.0	8.30
2	33	40.0	8.30
2	33	50.0	7.90
2	33	60.0	7.30
2	33	70.0	6.80
2	33	80.0	6.50
2	33	90.0	6.20
2	33	95.0	6.00
2	35	1.5	6.99
2	35	10.0	7.10
2	35	20.0	7.78
2	35	30.0	8.25
2	35	40.0	7.65
2	35	50.0	6.99
2	35	60.0	6.65
2	35	70.0	6.35
2	35	80.0	6.18
2	35	90.0	5.79
2	35	100.0	5.71
2	35	110.0	5.61
2	38	1.5	7.35
2	38	10.0	7.30
2	38	20.0	7.35
2	38	30.0	8.25
2	38	40.0	8.65
2	38	50.0	7.85
2	38	60.0	6.55
2	38	70.0	6.30
2	38	80.0	6.20

TABLE . SW FLORIDA SHELF ECOSYSTEMS STUDY YEAR II; DISSOLVED OXYGEN--HYDROLAB PROFILES (DOH)
LISTING OF CORRECTED & VERIFIED DATA.

CRUISE	STATION	DEPTH (M)	OXYGEN (PPM)
2	38	90.0	6.06
2	38	100.0	6.06
2	38	110.0	6.10
2	39	1.5	7.40
2	39	10.0	7.65
2	39	20.0	7.58
2	39	30.0	8.00
2	39	40.0	8.40
2	39	50.0	8.10
2	39	60.0	7.80
2	39	70.0	7.48
2	39	80.0	7.06
2	39	90.0	6.90
2	39	100.0	5.40
2	39	110.0	5.30
3	01	1.5	7.4
3	01	10.0	7.5
3	01	20.0	7.5
3	01	24.5	7.5
3	04	1.5	4.3
3	04	10.0	4.2
3	04	20.0	4.2
3	04	30.0	4.2
3	04	40.0	4.2
3	04	50.0	3.4
3	04	57.0	3.4
3	06	1.5	7.3
3	06	10.0	7.4
3	06	20.0	7.4
3	06	26.5	7.4
3	09	1.5	7.7
3	09	10.0	7.6
3	09	20.0	7.6
3	09	30.0	7.6
3	09	40.0	7.6
3	09	50.0	7.4
3	09	60.0	7.4
3	13	1.5	7.5
3	13	10.0	7.4
3	13	20.0	7.3
3	16	1.5	7.3
3	16	10.0	7.0
3	16	20.0	7.0
3	16	30.0	6.9
3	16	40.0	6.7
3	16	50.0	6.6
3	16	57.5	6.5
3	20	1.5	7.0
3	20	10.0	7.0
3	20	20.0	7.0

TABLE . SW FLORIDA SHELF ECOSYSTEMS STUDY YEAR II; DISSOLVED OXYGEN--HYDROLAB PROFILES (DOH)
LISTING OF CORRECTED & VERIFIED DATA.

CRUISE	STATION	DEPTH (M)	OXYGEN (PPM)
3	22	1.5	6.8
3	22	10.0	6.8
3	22	20.0	6.8
3	22	30.0	6.6
3	22	40.0	6.6
3	22	50.0	6.3
3	25	1.5	6.7
3	25	10.0	6.8
3	25	20.0	6.9
3	25	23.1	7.0
3	28	1.5	6.6
3	28	10.0	6.6
3	28	20.0	6.6
3	28	30.0	6.8
3	28	40.0	6.8
3	28	50.0	6.5
3	28	60.0	6.5
3	28	62.8	6.5
3	31	1.5	6.9
3	31	10.0	6.9
3	31	20.0	6.9
3	31	30.0	6.8
3	31	40.0	6.8
3	31	50.0	6.8
3	31	60.0	7.0
3	31	70.0	7.0
3	31	80.0	7.0
3	31	90.0	6.8
3	31	100.0	5.3
3	31	110.0	4.7
3	33	1.5	6.9
3	33	10.0	6.9
3	33	20.0	6.9
3	33	30.0	7.0
3	33	40.0	6.8
3	33	50.0	6.3
3	33	60.0	6.2
3	33	70.0	6.2
3	33	80.0	6.5
3	35	1.5	6.6
3	35	10.0	6.6
3	35	20.0	6.7
3	35	30.0	6.7
3	35	40.0	6.7
3	35	50.0	6.8
3	35	60.0	6.9
3	35	70.0	6.9
3	35	80.0	6.9
3	35	90.0	6.9
3	38	1.5	6.9

TABLE . SW FLORIDA SHELF ECOSYSTEMS STUDY YEAR II; DISSOLVED OXYGEN--HYDROLAB PROFILES (DOH) LISTING OF CORRECTED & VERIFIED DATA.

CRUISE	STATION	DEPTH (M)	OXYGEN (PPM)
3	38	10.0	6.8
3	38	20.0	6.8
3	38	30.0	6.8
3	38	40.0	6.9
3	38	50.0	6.8
3	38	60.0	6.7
3	38	70.0	6.6
3	38	80.0	6.5
3	38	90.0	6.4
3	38	95.0	6.4
3	39	1.5	6.6
3	39	10.0	6.6
3	39	20.0	6.7
3	39	30.0	6.8
3	39	40.0	6.9
3	39	50.0	6.3
3	39	60.0	5.9
3	39	70.0	6.0
3	39	80.0	5.7
3	39	90.0	5.5
3	39	95.0	5.3

NOTE: CRUISE NUMBERS "2" AND "3" REPRESENT THE SUMMER (JULY 16-AUGUST 5, 1981) AND WINTER (JANUARY 28-FEBRUARY 15, 1982) CRUISES, RESPECTIVELY.

TABLE . SW FLORIDA SHELF ECOSYSTEMS STUDY YEAR I; DISSOLVED OXYGEN--TITRATION METHOD (DOT)
LISTING OF CORRECTED AND VERIFIED DATA.

CRUISE	STATION	DEPTH (M)	OXYGEN (PPM)
3	1	1.5	6.59
3	1	1.5	6.78
3	1	23.0	6.52
3	1	23.0	6.63
3	2	1.5	6.40
3	2	1.5	6.46
3	2	22.5	6.43
3	2	22.5	6.45
3	3	1.5	6.51
3	3	1.5	6.46
3	3	47.5	
3	3	47.5	6.09
3	4	1.5	6.65
3	4	1.5	6.81
3	4	53.0	5.75
3	4	53.0	5.95
3	5	1.5	6.66
3	5	1.5	6.88
3	5	87.5	4.01
3	5	87.5	4.11
3	6	1.5	6.02
3	6	1.5	6.00
3	6	24.4	6.02
3	6	24.4	6.08
3	7	1.5	5.73
3	7	1.5	5.77
3	7	29.0	5.63
3	7	29.0	5.66
3	8	1.5	5.92
3	8	1.5	5.92
3	8	46.7	4.31
3	8	46.7	4.42
3	9	1.5	5.83
3	9	1.5	5.99
3	9	54.0	5.35
3	9	54.0	5.34
3	10	1.5	6.77
3	10	1.5	6.93
3	10	79.0	5.69
3	10	79.0	5.67
3	11	1.5	6.71
3	11	1.5	6.81
3	11	76.5	4.96
3	11	76.5	5.05
3	12	1.5	6.77
3	12	1.5	6.82
3	12	88.0	4.40
3	12	88.0	4.16
3	13	1.5	5.73
3	13	1.5	5.81

TABLE . SW FLORIDA SHELF ECOSYSTEMS STUDY YEAR I; DISSOLVED OXYGEN--TITRATION METHOD (DOT)
LISTING OF CORRECTED AND VERIFIED DATA.

CRUISE	STATION	DEPTH (M)	OXYGEN (PPM)
3	13	18.0	5.80
3	13	18.0	5.81
3	14	1.5	5.92
3	14	1.5	6.00
3	14	24.7	5.92
3	14	24.7	5.94
3	15	1.5	5.55
3	15	1.5	5.66
3	15	30.5	5.58
3	15	30.5	5.67
3	16	1.5	5.87
3	16	1.5	5.95
3	16	52.0	3.17
3	16	52.0	3.20
3	17	1.5	6.01
3	17	1.5	6.09
3	17	56.7	4.42
3	17	56.7	4.39
3	18	1.5	6.12
3	18	1.5	6.19
3	18	84.1	4.55
3	18	84.1	4.47
3	19	1.5	6.31
3	19	1.5	6.41
3	19	21.0	6.40
3	19	21.0	6.40
3	20	1.5	6.33
3	20	1.5	6.13
3	20	21.4	6.32
3	20	21.4	6.39
3	21	1.5	6.16
3	21	1.5	6.18
3	21	43.3	5.63
3	21	43.3	5.60
3	22	1.5	6.20
3	22	1.5	6.19
3	22	50.3	5.83
3	22	50.3	5.81
3	23	1.5	6.23
3	23	1.5	6.14
3	23	69.5	5.02
3	23	69.5	5.08
3	24	1.5	6.19
3	24	1.5	6.16
3	24	87.5	4.35
3	24	87.5	4.44
3	25	1.5	6.09
3	25	1.5	6.08
3	25	22.3	5.72
3	25	22.3	5.67

TABLE . SW FLORIDA SHELF ECOSYSTEMS STUDY YEAR I; DISSOLVED OXYGEN--TITRATION METHOD (DOT)
LISTING OF CORRECTED AND VERIFIED DATA.

CRUISE	STATION	DEPTH (M)	OXYGEN (PPM)
3	26	1.5	6.22
3	26	1.5	6.17
3	26	37.2	6.17
3	26	37.2	6.20
3	27	1.5	6.16
3	27	1.5	6.27
3	27	51.8	6.02
3	27	51.8	6.09
3	28	1.5	6.13
3	28	1.5	6.09
3	28	57.3	5.68
3	28	57.3	5.65
3	29	1.5	6.12
3	29	1.5	6.15
3	29	60.0	5.33
3	29	60.0	5.37
3	30	1.5	6.32
3	30	1.5	6.33
3	30	74.7	5.11
3	30	74.7	5.20
4	1	1.5	6.78
4	1	1.5	6.90
4	1	22.3	7.67
4	1	22.3	7.70
4	2	1.5	6.78
4	2	1.5	6.82
4	2	22.9	7.71
4	2	22.9	7.70
4	3	1.5	6.95
4	3	1.5	6.96
4	3	49.8	6.95
4	3	49.8	6.96
4	4	1.5	6.79
4	4	1.5	6.86
4	4	54.3	6.48
4	4	54.3	6.43
4	5	1.5	6.62
4	5	1.5	6.78
4	5	89.3	7.00
4	5	89.3	6.90
4	6	1.5	6.76
4	6	1.5	6.82
4	6	25.0	7.68
4	6	25.0	7.70
4	7	1.5	6.73
4	7	1.5	6.87
4	7	28.9	7.50
4	7	28.9	7.52
4	8	1.5	6.99
4	8	1.5	7.00

TABLE . SW FLORIDA SHELF ECOSYSTEMS STUDY YEAR I; DISSOLVED OXYGEN--TITRATION METHOD (DOT)
LISTING OF CORRECTED AND VERIFIED DATA.

CRUISE	STATION	DEPTH (M)	OXYGEN (PPM)
4	8	47.0	7.01
4	8	47.0	6.99
4	9	1.5	6.96
4	9	1.5	7.00
4	9	54.5	6.72
4	9	54.5	6.67
4	10	1.5	6.70
4	10	1.5	6.70
4	10	69.8	6.70
4	10	69.8	6.70
4	11	1.5	6.70
4	11	1.5	6.75
4	11	76.2	6.83
4	11	76.2	6.81
4	12	1.5	6.60
4	12	1.5	6.73
4	12	88.5	6.62
4	12	88.5	6.62
4	13	1.5	6.67
4	13	1.5	6.83
4	13	18.3	7.39
4	13	18.3	7.40
4	14	1.5	6.78
4	14	1.5	6.78
4	14	24.5	7.12
4	14	24.5	7.18
4	15	1.5	6.99
4	15	1.5	7.03
4	15	29.5	6.74
4	15	29.5	6.70
4	16	1.5	6.82
4	16	1.5	6.76
4	16	52.4	7.11
4	16	52.4	7.00
4	17	1.5	6.80
4	17	1.5	6.85
4	17	57.0	7.25
4	17	57.0	7.22
4	18	1.5	6.55
4	18	1.5	6.70
4	18	85.1	6.25
4	18	85.1	6.13
4	19	1.5	6.70
4	19	1.5	6.80
4	19	21.0	7.35
4	19	21.0	7.31
4	20	1.5	6.76
4	20	1.5	6.64
4	20	21.0	7.30
4	20	21.0	7.40

TABLE . SW FLORIDA SHELF ECOSYSTEMS STUDY YEAR I; DISSOLVED OXYGEN--TITRATION METHOD (DOT) LISTING OF CORRECTED AND VERIFIED DATA.

CRUISE	STATION	DEPTH (M)	OXYGEN (PPM)
4	21	1.5	6.45
4	21	1.5	6.50
4	21	43.0	7.19
4	21	43.0	
4	22	1.5	6.49
4	22	1.5	6.50
4	22	51.3	7.30
4	22	51.3	7.39
4	23	1.5	6.54
4	23	1.5	6.72
4	23	68.5	6.52
4	23	68.5	6.55
4	24	1.5	6.49
4	24	1.5	6.71
4	24	86.9	6.70
4	24	86.9	6.82
4	25	1.5	6.78
4	25	1.5	6.76
4	25	22.5	6.93
4	25	22.5	6.98
4	26	1.5	6.15
4	26	1.5	6.61
4	26	36.6	6.75
4	26	36.6	6.96
4	27	1.5	6.53
4	27	1.5	6.55
4	27	51.5	7.01
4	27	51.5	7.11
4	28	1.5	6.55
4	28	1.5	6.68
4	28	57.0	7.04
4	28	57.0	7.14
4	29	1.5	5.40
4	29	1.5	6.34
4	29	59.5	5.80
4	29	59.5	5.94
4	30	1.5	6.30
4	30	1.5	6.33
4	30	74.5	5.73
4	30	74.5	5.80

NOTE: CRUISE NUMBERS "3" AND "4" REPRESENT THE FALL (OCTOBER 25-NOVEMBER 23, 1980) AND SPRING (APRIL 22-MAY 5, 1981) CRUISES, RESPECTIVELY.

TABLE . SW FLORIDA SHELF ECOSYSTEMS STUDY YEAR II; DISSOLVED OXYGEN--TITRATION METHOD (DOT)
LISTING OF CORRECTED & VERIFIED DATA.

CRUISE	STATION	DEPTH (M)	OXYGEN (PPM)
2	01	1.5	5.88
2	01	1.5	6.00
2	01	23.5	6.30
2	01	23.5	6.21
2	04	1.5	5.63
2	04	1.5	5.80
2	04	57.0	6.23
2	04	57.0	6.06
2	06	1.5	5.86
2	06	1.5	5.91
2	06	24.5	6.69
2	06	24.5	6.75
2	09	1.5	5.67
2	09	1.5	5.72
2	09	58.0	6.09
2	09	58.0	6.07
2	13	1.5	5.95
2	13	1.5	6.04
2	13	20.5	5.81
2	13	20.5	5.83
2	16	1.5	5.64
2	16	1.5	5.80
2	16	57.0	6.30
2	16	57.0	6.31
2	20	1.5	5.66
2	20	1.5	5.71
2	20	23.3	5.67
2	20	23.3	5.56
2	22	1.5	5.77
2	22	1.5	5.91
2	22	56.0	5.96
2	22	56.0	6.18
2	25	1.5	5.26
2	25	1.5	5.69
2	25	23.5	5.67
2	25	23.5	5.67
2	28	1.5	5.75
2	28	1.5	5.88
2	28	62.8	6.00
2	28	62.8	6.05
2	31	1.5	5.72
2	31	1.5	5.71
2	31	141.5	4.21
2	31	141.5	4.13
2	33	1.5	5.77
2	33	1.5	5.89
2	33	144.0	4.06
2	33	144.0	4.04
2	35	1.5	5.84
2	35	1.5	5.85

TABLE . SW FLORIDA SHELF ECOSYSTEMS STUDY YEAR II; DISSOLVED OXYGEN--TITRATION METHOD (DOT)
LISTING OF CORRECTED & VERIFIED DATA.

CRUISE	STATION	DEPTH (M)	OXYGEN (PPM)
2	35	157.5	4.45
2	35	157.5	4.47
2	38	1.5	5.81
2	38	1.5	5.85
2	38	157.5	4.15
2	38	157.5	4.15
2	39	1.5	5.76
2	39	1.5	5.85
2	39	150.0	3.90
2	39	150.0	3.90
3	01	1.5	6.91
3	01	1.5	6.91
3	01	24.5	7.05
3	01	24.5	6.86
3	04	1.5	6.86
3	04	1.5	6.87
3	04	57.0	6.56
3	04	57.0	6.55
3	06	1.5	6.91
3	06	1.5	6.96
3	06	26.5	6.96
3	06	26.5	6.96
3	09	1.5	6.86
3	09	1.5	6.78
3	09	58.5	6.64
3	09	58.5	6.65
3	13	1.5	6.96
3	13	1.5	6.96
3	13	22.0	6.79
3	13	22.0	6.80
3	16	1.5	6.70
3	16	1.5	6.70
3	16	57.5	6.57
3	16	57.5	6.57
3	20	1.5	6.96
3	20	1.5	6.88
3	20	22.5	6.79
3	20	22.5	6.81
3	22	1.5	6.82
3	22	1.5	6.82
3	22	56.5	6.45
3	22	56.5	6.43
3	25	1.5	6.66
3	25	1.5	6.71
3	25	23.0	6.76
3	25	23.0	6.62
3	28	1.5	6.60
3	28	1.5	6.60
3	28	62.8	6.50
3	28	62.8	6.50

TABLE . SW FLORIDA SHELF ECOSYSTEMS STUDY YEAR II; DISSOLVED OXYGEN--TITRATION METHOD (DOT)
LISTING OF CORRECTED & VERIFIED DATA.

CRUISE	STATION	DEPTH (M)	OXYGEN (PPM)
3	31	1.5	6.61
3	31	1.5	6.71
3	31	142.0	4.49
3	31	142.0	4.26
3	33	1.5	6.66
3	33	1.5	6.76
3	33	144.0	4.41
3	33	144.0	4.41
3	35	1.5	6.42
3	35	1.5	6.37
3	35	157.5	6.37
3	35	157.5	6.42
3	38	1.5	6.61
3	38	1.5	6.66
3	38	157.5	4.47
3	38	157.5	4.55
3	39	1.5	6.60
3	39	1.5	6.59
3	39	148.5	4.32
3	39	148.5	4.29

NOTE: CRUISE NUMBERS "2" AND "3" REPRESENT THE SUMMER (JULY 16-AUGUST 5, 1981) AND WINTER (JANUARY 28-FEBRUARY 15, 1982) CRUISES, RESPECTIVELY.

TABLE . SW FLORIDA SHELF ECOSYSTEMS STUDY YEAR I; SALINITY (SWS)
LISTING OF CORRECTED AND VERIFIED DATA.

CRUISE	STATION	DEPTH (M)	SALINITY (PPT)
3	1	1.5	35.95
3	1	3.0	35.93
3	1	23.0	35.99
3	2	1.5	35.88
3	2	2.5	35.73
3	2	23.0	35.88
3	3	1.5	35.65
3	3	7.5	35.57
3	3	47.5	35.82
3	4	1.5	35.60
3	4	3.0	35.61
3	4	53.0	36.18
3	5	1.5	35.68
3	5	17.5	35.57
3	5	57.5	36.16
3	5	77.5	36.25
3	5	88.6	36.06
3	6	1.5	36.00
3	6	14.4	35.88
3	6	24.4	36.00
3	7	1.5	35.93
3	7	9.0	35.94
3	7	30.0	35.93
3	8	1.5	35.74
3	8	26.7	35.80
3	8	46.7	36.10
3	9	1.5	35.64
3	9	55.0	36.07
3	10	1.5	35.65
3	10	49.0	36.11
3	10	69.0	36.26
3	10	79.0	36.20
3	11	1.5	35.64
3	11	26.5	35.55
3	11	46.5	35.71
3	11	76.5	36.07
3	12	1.5	35.64
3	12	8.0	35.66
3	12	38.0	35.69
3	12	89.5	36.10
3	13	1.5	36.09
3	13	19.5	36.09
3	14	1.5	36.06
3	14	24.7	36.06
3	15	1.5	35.99
3	15	10.5	35.83
3	15	20.5	35.88
3	15	30.5	35.98
3	16	1.5	35.80
3	16	12.0	35.59

TABLE . SW FLORIDA SHELF ECOSYSTEMS STUDY YEAR I; SALINITY (SWS)
LISTING OF CORRECTED AND VERIFIED DATA.

CRUISE	STATION	DEPTH (M)	SALINITY (PPT)
3	16	22.0	35.61
3	16	52.0	36.19
3	17	1.5	35.57
3	17	6.7	35.49
3	17	58.0	35.98
3	18	1.5	35.69
3	18	4.1	35.65
3	18	14.1	35.62
3	18	34.1	35.71
3	18	44.1	35.66
3	18	54.1	36.22
3	18	85.0	36.28
3	19	1.5	36.16
3	19	11.0	36.12
3	19	21.0	36.17
3	20	1.5	36.15
3	20	21.4	36.15
3	21	1.5	35.77
3	21	3.3	35.79
3	21	44.0	36.01
3	22	1.5	35.62
3	22	20.3	35.57
3	22	50.3	35.75
3	23	1.5	35.52
3	23	25.5	35.60
3	23	35.5	35.66
3	23	45.5	35.58
3	23	68.6	36.37
3	24	1.5	35.71
3	24	7.5	35.66
3	24	17.5	35.63
3	24	47.5	36.28
3	24	57.5	36.37
3	24	77.5	36.20
3	24	87.5	36.38
3	25	1.5	35.66
3	25	24.0	35.87
3	26	1.5	35.65
3	26	7.2	35.70
3	26	17.2	35.72
3	26	37.2	35.65
3	27	1.5	35.76
3	27	11.8	35.57
3	27	41.8	35.61
3	27	53.0	35.77
3	28	1.5	35.62
3	28	7.3	35.56
3	28	27.3	35.69
3	28	47.3	35.68
3	28	57.3	36.04

TABLE . SW FLORIDA SHELF ECOSYSTEMS STUDY YEAR I; SALINITY (SWS)
LISTING OF CORRECTED AND VERIFIED DATA.

CRUISE	STATION	DEPTH (M)	SALINITY (PPT)
3	29	1.5	35.92
3	29	10.0	35.72
3	29	40.0	36.08
3	29	50.0	36.19
3	29	61.5	36.47
3	30	1.5	35.73
3	30	14.7	35.74
3	30	34.7	36.30
3	30	64.7	36.32
3	30	75.3	36.50
4	1	1.5	35.896
4	1	12.3	35.915
4	1	22.3	35.924
4	2	1.5	35.911
4	2	2.9	35.918
4	2	12.9	35.921
4	2	22.9	35.925
4	3	1.5	36.225
4	3	9.8	36.276
4	3	19.8	36.330
4	3	29.8	36.304
4	3	39.8	36.292
4	3	49.8	36.307
4	4	1.5	36.313
4	4	4.3	36.308
4	4	14.3	36.331
4	4	24.3	36.242
4	4	34.3	36.254
4	4	44.3	36.284
4	4	54.3	36.272
4	5	1.5	36.415
4	5	9.3	36.405
4	5	29.3	36.379
4	5	49.3	36.187
4	5	59.3	36.403
4	6	1.5	36.041
4	6	5.0	36.056
4	6	15.0	36.048
4	6	25.0	35.891
4	7	1.5	36.088
4	7	8.9	36.086
4	7	18.9	36.101
4	7	28.9	35.999
4	8	1.5	36.197
4	8	7.0	36.209
4	8	17.0	36.246
4	8	27.0	36.339
4	8	37.0	36.290
4	8	47.0	36.195
4	9	1.5	36.396

TABLE . SW FLORIDA SHELF ECOSYSTEMS STUDY YEAR I; SALINITY (SWS)
LISTING OF CORRECTED AND VERIFIED DATA.

CRUISE	STATION	DEPTH (M)	SALINITY (PPT)
4	9	4.5	36.400
4	9	14.5	36.386
4	9	24.5	36.301
4	9	34.5	36.376
4	9	44.5	36.393
4	9	54.5	36.389
4	10	1.5	36.379
4	10	9.8	36.397
4	10	29.8	36.395
4	10	39.8	36.370
4	10	49.8	36.439
4	10	59.8	36.409
4	10	69.8	36.395
4	11	1.5	36.438
4	11	6.2	36.413
4	11	16.2	36.416
4	11	36.2	36.432
4	11	46.2	36.331
4	11	56.2	36.429
4	11	76.2	36.393
4	12	1.5	36.416
4	12	8.5	36.418
4	12	18.5	36.400
4	12	28.5	36.386
4	12	38.5	36.386
4	12	48.5	36.394
4	12	68.5	36.584
4	12	78.5	36.390
4	12	88.5	36.396
4	13	1.5	35.830
4	13	8.3	35.830
4	13	18.3	35.871
4	14	1.5	35.864
4	14	14.5	35.994
4	14	24.5	35.020
4	15	1.5	36.182
4	15	9.5	36.204
4	15	19.5	36.004
4	15	29.5	36.086
4	16	1.5	36.413
4	16	12.4	36.403
4	16	22.4	36.406
4	16	32.4	36.346
4	16	42.4	36.339
4	16	52.4	36.355
4	17	1.5	36.421
4	17	7.0	36.423
4	17	17.0	36.352
4	17	27.0	36.347
4	18	1.5	36.467

TABLE . SW FLORIDA SHELF ECOSYSTEMS STUDY YEAR I; SALINITY (SWS)
LISTING OF CORRECTED AND VERIFIED DATA.

CRUISE	STATION	DEPTH (M)	SALINITY (PPT)
4	18	5.1	36.419
4	18	15.1	36.424
4	18	25.1	36.511
4	18	35.1	36.411
4	18	45.1	36.401
4	18	55.1	36.401
4	18	65.1	36.397
4	18	75.1	36.436
4	18	85.1	36.402
4	19	1.5	35.614
4	19	11.0	35.608
4	19	21.0	35.709
4	20	1.5	35.605
4	20	11.0	35.605
4	20	21.0	35.718
4	21	1.5	36.374
4	21	3.0	36.378
4	21	13.0	36.327
4	21	23.0	36.334
4	21	43.0	36.058
4	22	1.5	36.371
4	22	11.3	36.366
4	22	21.3	36.327
4	22	31.3	36.425
4	22	41.3	36.328
4	23	1.5	36.425
4	23	8.5	36.431
4	23	18.5	36.438
4	23	28.5	36.391
4	23	38.5	36.350
4	23	48.5	36.404
4	23	58.5	36.397
4	23	68.5	36.365
4	24	1.5	36.399
4	24	6.9	36.387
4	24	16.9	36.378
4	24	26.9	36.390
4	24	36.9	36.413
4	24	46.9	36.393
4	24	56.9	36.402
4	24	66.9	36.395
4	24	86.9	36.379
4	25	1.5	35.069
4	25	2.5	35.068
4	25	12.5	35.571
4	25	22.5	35.598
4	26	1.5	36.287
4	26	6.6	36.277
4	26	16.6	36.299
4	26	26.6	36.296

TABLE . SW FLORIDA SHELF ECOSYSTEMS STUDY YEAR I; SALINITY (SWS)
LISTING OF CORRECTED AND VERIFIED DATA.

CRUISE	STATION	DEPTH (M)	SALINITY (PPT)
4	26	36.6	36.220
4	27	1.5	36.363
4	27	11.5	36.363
4	27	31.5	36.412
4	27	41.5	35.987
4	27	51.5	36.240
4	28	1.5	36.394
4	28	7.0	36.395
4	28	17.0	36.362
4	28	27.0	36.121
4	28	37.0	36.137
4	28	47.0	36.296
4	28	57.0	36.302
4	29	1.5	36.128
4	29	9.5	36.115
4	29	19.5	36.195
4	29	29.5	36.442
4	29	39.5	36.473
4	29	49.5	36.453
4	29	59.5	36.457
4	30	1.5	36.132
4	30	4.5	36.132
4	30	14.5	36.122
4	30	24.5	36.143
4	30	34.5	36.270
4	30	44.5	36.295
4	30	54.5	36.386
4	30	74.5	36.513

NOTE: CRUISE NUMBERS "3" AND "4" REPRESENT THE FALL (OCTOBER 25-NOVEMBER 23, 1980) AND SPRING (APRIL 22-MAY 5, 1981) CRUISES, RESPECTIVELY.

TABLE . SW FLORIDA SHELF ECOSYSTEMS STUDY YEAR II; SALINITY (SWS)
LISTING OF CORRECTED AND VERIFIED DATA.

CRUISE	STATION	DEPTH (M)	SALINITY (PPT)	CRACKED BOTTLE
2	1	1.5	36.277	
2	1	3.5	36.292	
2	1	13.5	36.330	
2	1	23.5	36.222	
2	4	1.5	35.500	
2	4	7.0	35.355	
2	4	17.0	35.691	
2	4	27.0	36.085	
2	4	37.0	36.228	
2	4	47.0	36.320	
2	4	57.0	36.392	
2	6	1.5	36.218	
2	6	4.5	36.226	
2	6	14.5	35.961	
2	6	24.5	36.115	
2	9	1.5	35.513	
2	9	8.0	35.658	
2	9	18.0	35.921	
2	9	28.0	36.239	
2	9	38.0	36.403	
2	9	48.0	36.343	
2	9	58.0	36.343	
2	13	1.5	36.337	
2	13	10.5	36.294	
2	13	20.5	36.411	
2	16	1.5	36.125	
2	16	7.0	36.271	
2	16	17.0	36.173	
2	16	27.0	36.396	
2	16	37.0	36.246	
2	16	47.0	36.300	
2	16	57.0	36.522	*
2	20	1.5	36.443	
2	20	3.3	38.116	*
2	20	13.3	36.442	
2	20	23.3	36.440	
2	22	1.5	35.512	
2	22	6.0	35.540	
2	22	16.0	35.890	
2	22	26.0	36.181	
2	22	36.0	36.325	
2	22	46.0	36.211	
2	22	56.0	36.358	*
2	25	1.5	36.300	
2	25	3.5	36.397	
2	25	13.5	36.442	
2	25	23.5	36.436	
2	28	1.5	36.224	
2	28	2.8	36.091	
2	28	12.8	36.257	

TABLE . SW FLORIDA SHELF ECOSYSTEMS STUDY YEAR II; SALINITY (SWS)
LISTING OF CORRECTED AND VERIFIED DATA.

CRUISE	STATION	DEPTH (M)	SALINITY (PPT)	CRACKED BOTTLE
2	28	22.8	36.254	
2	28	32.8	36.441	
2	28	42.8	36.444	
2	28	52.8	36.412	
2	28	62.8	36.384	
2	31	1.5	35.898	
2	31	8.5	35.906	
2	31	18.0	36.143	
2	31	27.5	36.248	
2	31	37.0	36.352	
2	31	46.5	36.364	
2	31	56.0	36.422	
2	31	65.5	36.449	
2	31	75.0	36.467	
2	31	84.5	36.443	
2	31	91.0	36.378	
2	31	103.5	36.375	
2	31	113.0	36.308	
2	31	122.5	36.135	
2	31	132.0	36.001	
2	31	141.5	35.888	
2	33	1.5	36.034	
2	33	4.0	36.086	
2	33	14.0	37.565	*
2	33	24.0	36.329	
2	33	34.0	36.133	
2	33	44.0	36.234	
2	33	54.0	36.296	
2	33	64.0	36.286	
2	33	74.0	39.302	*
2	33	84.0	36.369	
2	33	94.0	36.395	
2	33	104.0	36.257	
2	33	114.0	36.282	
2	33	124.0	36.184	
2	33	134.0	37.071	*
2	33	144.0	35.984	
2	35	1.5	36.037	
2	35	7.5	36.037	
2	35	17.5	36.038	
2	35	27.5	36.210	
2	35	37.5	36.433	
2	35	47.5	37.724	*
2	35	57.5	36.513	
2	35	67.5	36.656	*
2	35	77.5	36.439	*
2	35	87.5	36.436	
2	35	97.5	36.502	
2	35	107.5	36.501	
2	35	117.5	36.429	

TABLE . SW FLORIDA SHELF ECOSYSTEMS STUDY YEAR II; SALINITY (SWS)
LISTING OF CORRECTED AND VERIFIED DATA.

CRUISE	STATION	DEPTH (M)	SALINITY (PPT)	CRACKED BOTTLE
2	35	127.5	36.386	
2	35	137.5	36.403	
2	35	147.5	36.359	
2	35	157.5	36.339	
2	38	1.5	36.279	
2	38	7.5	36.208	
2	38	17.5	36.215	
2	38	27.5	36.301	
2	38	37.5	36.294	
2	38	47.5	36.401	
2	38	57.5	36.420	
2	38	67.5	36.449	
2	38	77.5	36.400	
2	38	87.5	36.360	
2	38	97.5	36.289	
2	38	107.5	36.418	
2	38	117.5	36.216	
2	38	127.5	36.097	
2	38	137.5	35.979	
2	38	147.5	36.055	
2	38	157.5	36.110	
2	39	1.5	36.271	
2	39	10.0	36.184	
2	39	20.0	36.255	
2	39	30.0	36.075	
2	39	40.0	36.256	
2	39	50.0	36.324	
2	39	60.0	36.391	
2	39	70.0	36.285	
2	39	80.0	36.376	
2	39	90.0	36.106	
2	39	100.0	36.181	
2	39	110.0	36.453	
2	39	120.0	35.620	
2	39	130.0	35.533	
2	39	140.0	35.567	
2	39	150.0	35.593	
3	1	1.5	36.426	
3	1	4.5	36.421	
3	1	14.5	36.420	
3	1	24.5	36.424	
3	4	1.5	36.378	
3	4	7.0	36.386	
3	4	17.0	36.377	
3	4	27.0	36.380	
3	4	37.0	36.387	
3	4	47.0	36.399	
3	4	57.0	36.401	
3	6	1.5	36.404	
3	6	6.5	36.414	

TABLE . SW FLORIDA SHELF ECOSYSTEMS STUDY YEAR II; SALINITY (SWS)
LISTING OF CORRECTED AND VERIFIED DATA.

CRUISE	STATION	DEPTH (M)	SALINITY (PPT)	CRACKED BOTTLE
3	6	16.5	36.426	
3	6	26.5	36.404	
3	9	1.5	36.442	
3	9	8.5	36.442	
3	9	18.5	36.438	
3	9	28.5	36.440	
3	9	38.5	36.428	
3	9	48.5	36.402	
3	9	58.5	36.403	
3	13	2.0	36.573	
3	13	12.0	36.570	
3	13	22.0	36.581	
3	16	1.5	36.434	
3	16	7.5	36.440	
3	16	17.5	36.427	
3	16	27.5	36.442	
3	16	37.5	36.461	
3	16	47.5	36.456	
3	16	57.5	36.451	
3	20	2.5	36.597	
3	20	12.5	36.593	
3	20	22.5	36.595	
3	22	1.5	36.320	
3	22	6.5	36.324	
3	22	16.5	36.480	
3	22	36.5	36.517	
3	22	46.5	36.527	
3	22	56.5	36.526	
3	25	1.5	36.378	
3	25	3.0	36.383	
3	25	13.0	36.379	
3	25	23.0	36.402	
3	28	1.5	36.134	
3	28	2.8	36.134	
3	28	12.8	36.252	
3	28	22.8	36.247	
3	28	32.8	36.453	
3	28	42.8	36.505	
3	28	62.8	36.522	
3	31	1.5	36.363	
3	31	12.0	36.357	
3	31	22.0	36.290	
3	31	32.0	36.350	
3	31	42.0	36.354	
3	31	52.0	36.354	
3	31	62.0	36.341	
3	31	72.0	36.330	
3	31	82.0	36.360	
3	31	92.0	36.351	
3	31	102.0	36.408	

TABLE . SW FLORIDA SHELF ECOSYSTEMS STUDY YEAR II; SALINITY (SWS)
LISTING OF CORRECTED AND VERIFIED DATA.

CRUISE	STATION	DEPTH (M)	SALINITY (PPT)	CRACKED BOTTLE
3	31	112.0	36.375	
3	31	122.0	36.360	
3	31	132.0	36.332	
3	31	142.0	36.210	
3	33	1.5	36.210	
3	33	4.0	36.192	
3	33	14.0	36.205	
3	33	24.0	36.218	
3	33	34.0	36.319	
3	33	64.0	36.386	
3	33	74.0	36.379	
3	33	84.0	36.382	
3	33	94.0	36.367	
3	33	104.0	36.355	
3	33	114.0	36.346	
3	33	124.0	36.300	
3	33	134.0	36.262	
3	33	144.0	36.218	
3	35	1.5	35.933	
3	35	7.5	35.939	
3	35	17.5	35.957	
3	35	27.5	35.986	
3	35	37.5	36.030	
3	35	47.5	36.180	
3	35	57.5	36.931	
3	35	67.5	36.991	
3	35	77.5	36.378	
3	35	87.5	36.335	
3	35	97.5	36.330	
3	35	107.5	35.963	
3	35	117.5	35.972	
3	35	127.5	36.043	
3	35	137.5	36.223	
3	35	147.5	36.326	
3	35	157.5	36.380	
3	38	1.5	36.345	
3	38	7.5	36.119	
3	38	17.5	36.128	
3	38	27.5	36.130	
3	38	37.5	36.127	
3	38	47.5	36.288	
3	38	57.5	36.298	
3	38	67.5	36.339	
3	38	77.5	36.351	
3	38	87.5	36.364	
3	38	97.5	36.358	
3	38	107.5	36.371	
3	38	117.5	36.376	
3	38	127.5	36.307	
3	38	137.5	36.318	

TABLE . SW FLORIDA SHELF ECOSYSTEMS STUDY YEAR II; SALINITY (SWS)
LISTING OF CORRECTED AND VERIFIED DATA.

CRUISE	STATION	DEPTH (M)	SALINITY (PPT)	CRACKED BOTTLE
3	38	147.5	36.245	
3	38	157.5	36.325	
3	39	1.5	36.171	
3	39	8.5	36.177	
3	39	18.5	36.227	
3	39	28.5	36.296	
3	39	38.5	36.365	
3	39	48.5	36.412	
3	39	58.5	36.419	
3	39	68.5	36.430	
3	39	78.5	36.428	
3	39	88.5	36.410	
3	39	98.5	36.400	
3	39	108.5	36.372	
3	39	118.5	36.278	
3	39	128.5	36.203	
3	39	138.5	35.976	
3	39	148.5	35.888	

NOTE: CRUISE NUMBERS "2" AND "3" REPRESENT THE SUMMER (JULY 16-AUGUST 5, 1981) AND WINTER (JANUARY 28-FEBRUARY 15, 1982) CRUISES, RESPECTIVELY.

AN "*" IN THE "CRACKED BOTTLE" COLUMN INDICATES THAT SOME LEAKAGE MAY HAVE OCCURRED IN THE COLLECTED SAMPLES, PRIOR TO SALINITY DETERMINATION.

TABLE . SW FLORIDA SHELF ECOSYSTEMS STUDY YEAR I; TEMPERATURE--HYDROLAB PROFILES (TEH)
LISTING OF CORRECTED & VERIFIED DATA.

CRUISE	STATION	DEPTH (M)	TEMPERATURE (C)
3	1	1.5	26.5
3	1	10.0	26.5
3	1	20.0	26.5
3	1	23.0	26.6
3	2	1.5	24.2
3	2	10.0	24.6
3	2	20.0	24.6
3	2	23.0	24.6
3	3	1.5	27.2
3	3	7.5	27.5
3	3	17.5	27.5
3	3	27.5	27.5
3	3	37.5	27.0
3	3	47.5	26.3
3	4	1.5	27.4
3	4	10.0	27.4
3	4	20.0	27.4
3	4	30.0	27.3
3	4	40.0	27.3
3	4	50.0	26.4
3	4	53.0	23.4
3	5	1.5	26.5
3	5	10.0	26.6
3	5	20.0	26.6
3	5	30.0	26.6
3	5	40.0	24.1
3	5	50.0	20.6
3	5	60.0	18.5
3	5	70.0	17.0
3	5	80.0	16.2
3	5	87.5	16.0
3	6	1.5	26.1
3	6	10.0	26.1
3	6	20.0	26.2
3	6	24.4	26.2
3	7	1.5	25.8
3	7	10.0	25.9
3	7	20.0	26.0
3	7	30.0	26.0
3	8	1.5	26.7
3	8	10.0	26.8
3	8	20.0	26.8
3	8	30.0	26.8
3	8	40.0	26.8
3	8	46.7	24.9
3	9	1.5	27.0
3	9	10.0	27.1
3	9	20.0	27.1
3	9	30.0	27.1
3	9	40.0	27.1

TABLE . SW FLORIDA SHELF ECOSYSTEMS STUDY YEAR I; TEMPERATURE--HYDROLAB PROFILES (TEH)
LISTING OF CORRECTED & VERIFIED DATA.

CRUISE	STATION	DEPTH (M)	TEMPERATURE (C)
3	9	50.0	24.2
3	9	54.0	23.8
3	10	1.5	27.0
3	10	10.0	26.9
3	10	20.0	27.0
3	10	30.0	27.0
3	10	40.0	26.9
3	10	50.0	22.7
3	10	60.0	21.4
3	10	70.0	21.1
3	10	78.0	20.9
3	11	1.5	28.8
3	11	10.0	27.0
3	11	20.0	27.0
3	11	30.0	27.0
3	11	40.0	26.8
3	11	50.0	23.5
3	11	60.0	21.6
3	11	70.0	20.2
3	11	80.0	18.2
3	12	1.5	27.4
3	12	10.0	27.4
3	12	20.0	27.4
3	12	30.0	27.4
3	12	40.0	27.0
3	12	50.0	24.0
3	12	60.0	21.8
3	12	70.0	20.0
3	12	80.0	18.6
3	12	88.0	17.5
3	12	89.5	17.3
3	13	1.5	25.6
3	13	10.0	25.6
3	13	19.5	25.6
3	14	1.5	26.2
3	14	10.0	26.2
3	14	20.0	26.3
3	14	24.7	26.3
3	15	1.5	26.6
3	15	10.0	26.6
3	15	20.0	26.6
3	15	30.0	26.6
3	15	30.5	26.6
3	16	1.5	26.8
3	16	10.0	26.8
3	16	20.0	26.8
3	16	30.0	26.8
3	16	40.0	26.8
3	16	50.0	24.6
3	16	52.0	24.4

TABLE . SW FLORIDA SHELF ECOSYSTEMS STUDY YEAR I; TEMPERATURE--HYDROLAB PROFILES (TEH)
LISTING OF CORRECTED & VERIFIED DATA.

CRUISE	STATION	DEPTH (M)	TEMPERATURE (C)
3	17	1.5	
3	17	10.0	
3	17	20.0	
3	17	30.0	
3	17	40.0	
3	17	50.0	
3	17	51.1	
3	18	1.5	25.5
3	18	10.0	25.6
3	18	20.0	25.6
3	18	30.0	25.6
3	18	40.0	25.6
3	18	50.0	24.4
3	18	60.0	21.9
3	18	70.0	20.7
3	18	80.0	20.6
3	18	85.0	20.2
3	19	1.5	25.3
3	19	10.0	25.3
3	19	20.0	25.3
3	20	1.5	25.3
3	20	10.0	25.3
3	20	20.0	25.3
3	20	21.4	25.3
3	21	1.5	26.1
3	21	10.0	26.2
3	21	20.0	26.2
3	21	30.0	26.2
3	21	40.0	26.2
3	21	44.0	26.2
3	22	1.5	26.3
3	22	10.0	26.3
3	22	20.0	26.2
3	22	30.0	26.3
3	22	40.0	26.3
3	22	50.3	26.2
3	23	1.5	26.2
3	23	10.0	26.2
3	23	20.0	26.2
3	23	30.0	26.2
3	23	40.0	25.9
3	23	50.0	24.3
3	23	60.0	23.4
3	23	68.8	21.6
3	24	1.5	25.8
3	24	10.0	25.9
3	24	20.0	25.9
3	24	30.0	25.8
3	24	40.0	25.4
3	24	50.0	22.5

TABLE . SW FLORIDA SHELF ECOSYSTEMS STUDY YEAR I; TEMPERATURE--HYDROLAB PROFILES (TEH)
LISTING OF CORRECTED & VERIFIED DATA.

CRUISE	STATION	DEPTH (M)	TEMPERATURE (C)
3	24	60.0	21.0
3	24	70.0	20.8
3	24	80.0	20.5
3	24	87.5	19.1
3	25	1.5	25.2
3	25	10.0	25.3
3	25	20.0	25.3
3	25	24.0	25.3
3	26	1.5	25.4
3	26	10.0	25.4
3	26	20.0	25.4
3	26	30.0	25.4
3	26	37.2	25.5
3	27	1.5	25.8
3	27	10.0	26.1
3	27	20.0	26.1
3	27	30.0	26.1
3	27	40.0	26.1
3	27	50.0	26.1
3	27	53.0	26.1
3	28	1.5	25.5
3	28	10.0	25.6
3	28	20.0	25.6
3	28	30.0	25.6
3	28	40.0	25.6
3	28	50.0	25.4
3	28	57.3	25.4
3	29	1.5	25.8
3	29	10.0	25.7
3	29	20.0	25.7
3	29	30.0	25.7
3	29	40.0	25.6
3	29	50.0	24.4
3	29	60.0	22.9
3	29	61.5	22.9
3	30	1.5	25.4
3	30	10.0	25.4
3	30	20.0	25.4
3	30	30.0	25.4
3	30	40.0	23.4
3	30	50.0	22.4
3	30	60.0	22.3
3	30	70.0	22.0
3	30	75.3	21.8
4	1	1.5	24.3
4	1	5.0	24.1
4	1	10.0	24.1
4	1	15.0	23.8
4	1	20.0	20.2
4	1	22.0	20.2

TABLE . SW FLORIDA SHELF ECOSYSTEMS STUDY YEAR I; TEMPERATURE--HYDROLAB PROFILES (TEH)
LISTING OF CORRECTED & VERIFIED DATA.

CRUISE	STATION	DEPTH (M)	TEMPERATURE (C)
4	2	1.5	24.1
4	2	5.0	24.1
4	2	10.0	24.1
4	2	15.0	23.7
4	2	20.0	20.1
4	2	23.2	19.9
4	3	1.5	24.2
4	3	5.0	24.0
4	3	10.0	22.7
4	3	15.0	22.5
4	3	20.0	21.8
4	3	25.0	21.1
4	3	30.0	20.0
4	3	35.0	19.7
4	3	40.0	19.6
4	3	45.0	19.4
4	3	49.6	19.4
4	4	1.5	24.8
4	4	5.0	23.9
4	4	10.0	23.2
4	4	15.0	23.0
4	4	20.0	22.8
4	4	25.0	21.0
4	4	30.0	20.6
4	4	35.0	20.3
4	4	40.0	19.6
4	4	45.0	19.5
4	4	50.0	19.3
4	4	54.3	19.2
4	5	1.5	24.7
4	5	5.0	24.7
4	5	10.0	24.5
4	5	15.0	24.3
4	5	20.0	23.9
4	5	25.0	23.7
4	5	30.0	22.9
4	5	35.0	22.7
4	5	40.0	22.4
4	5	45.0	22.1
4	5	50.0	21.3
4	5	55.0	21.2
4	5	60.0	21.2
4	5	65.0	21.2
4	5	70.0	20.7
4	5	75.0	20.7
4	5	80.0	20.1
4	5	85.0	20.4
4	5	89.3	20.4
4	6	1.5	24.5
4	6	5.0	24.6

TABLE . SW FLORIDA SHELF ECOSYSTEMS STUDY YEAR I; TEMPERATURE--HYDROLAB PROFILES (TEH)
LISTING OF CORRECTED & VERIFIED DATA.

CRUISE	STATION	DEPTH (M)	TEMPERATURE (C)
4	6	10.0	24.6
4	6	15.0	24.3
4	6	20.0	20.9
4	6	25.0	20.6
4	7	1.5	24.2
4	7	5.0	24.2
4	7	10.0	24.2
4	7	15.0	24.2
4	7	20.0	22.7
4	7	25.0	20.6
4	7	29.0	20.6
4	8	1.5	24.0
4	8	5.0	23.9
4	8	10.0	23.6
4	8	15.0	22.8
4	8	20.0	20.7
4	8	25.0	20.1
4	8	30.0	19.9
4	8	35.0	19.9
4	8	40.0	19.9
4	8	45.0	19.8
4	8	47.0	19.8
4	9	1.5	23.7
4	9	5.0	23.7
4	9	10.0	23.7
4	9	15.0	23.7
4	9	20.0	22.4
4	9	25.0	21.6
4	9	30.0	21.1
4	9	35.0	21.0
4	9	40.0	20.3
4	9	45.0	20.2
4	9	50.0	20.2
4	9	54.5	20.2
4	10	1.5	25.6
4	10	5.0	24.6
4	10	10.0	24.4
4	10	15.0	24.2
4	10	20.0	23.8
4	10	25.0	23.4
4	10	30.0	23.2
4	10	35.0	22.8
4	10	40.0	22.3
4	10	45.0	21.9
4	10	50.0	21.4
4	10	55.0	21.1
4	10	60.0	20.5
4	10	65.0	20.4
4	10	69.8	20.4
4	11	1.5	24.7

TABLE . SW FLORIDA SHELF ECOSYSTEMS STUDY YEAR I; TEMPERATURE--HYDROLAB PROFILES (TEH)
LISTING OF CORRECTED & VERIFIED DATA.

CRUISE	STATION	DEPTH (M)	TEMPERATURE (C)
4	11	5.0	24.7
4	11	10.0	24.4
4	11	15.0	24.4
4	11	20.0	24.2
4	11	25.0	24.2
4	11	30.0	23.4
4	11	35.0	23.3
4	11	40.0	22.7
4	11	45.0	22.3
4	11	50.0	21.8
4	11	55.0	21.7
4	11	60.0	21.5
4	11	65.0	21.5
4	11	70.0	21.0
4	11	75.0	20.4
4	11	78.2	20.4
4	12	1.5	24.6
4	12	5.0	24.4
4	12	10.0	24.3
4	12	15.0	24.1
4	12	20.0	23.8
4	12	25.0	23.1
4	12	30.0	22.9
4	12	35.0	22.6
4	12	40.0	22.4
4	12	45.0	22.2
4	12	50.0	20.0
4	12	55.0	21.8
4	12	60.0	21.6
4	12	65.0	21.2
4	12	70.0	21.0
4	12	75.0	20.9
4	12	80.0	20.6
4	12	85.	20.2
4	12	88.7	20.2
4	13	1.5	24.5
4	13	5.0	24.5
4	13	10.0	24.5
4	13	15.0	22.1
4	13	18.3	22.1
4	14	1.5	23.9
4	14	5.0	24.0
4	14	10.0	24.1
4	14	15.0	23.7
4	14	20.0	20.7
4	14	24.5	20.7
4	15	1.5	24.8
4	15	5.0	24.7
4	15	10.0	24.6
4	15	15.0	24.6

TABLE . SW FLORIDA SHELF ECOSYSTEMS STUDY YEAR I; TEMPERATURE--HYDROLAB PROFILES (TEH)
LISTING OF CORRECTED & VERIFIED DATA.

CRUISE	STATION	DEPTH (M)	TEMPERATURE (C)
4	15	20.0	22.5
4	15	25.0	21.2
4	15	29.5	20.7
4	16	1.5	24.2
4	16	5.0	24.2
4	16	10.0	23.4
4	16	15.0	22.2
4	16	20.0	21.4
4	16	25.0	20.7
4	16	30.0	20.1
4	16	35.0	19.6
4	16	40.0	19.5
4	16	45.0	19.4
4	16	50.0	19.4
4	16	52.4	19.4
4	17	1.5	23.4
4	17	5.0	23.4
4	17	10.0	23.5
4	17	15.0	22.4
4	17	20.0	21.5
4	17	25.0	20.4
4	17	30.0	20.1
4	17	35.0	19.8
4	17	40.0	19.6
4	17	45.0	19.4
4	17	50.0	19.2
4	17	55.0	19.1
4	17	57.0	19.0
4	18	1.5	25.0
4	18	5.0	24.5
4	18	10.0	24.5
4	18	15.0	24.4
4	18	20.0	24.2
4	18	25.0	24.1
4	18	30.0	23.8
4	18	35.0	23.1
4	18	40.0	22.7
4	18	45.0	22.4
4	18	50.0	21.9
4	18	55.0	21.7
4	18	60.0	21.4
4	18	65.0	21.2
4	18	70.0	21.0
4	18	75.0	20.7
4	18	80.0	20.4
4	18	85.1	19.9
4	19	1.5	24.7
4	19	5.0	24.6
4	19	10.0	24.6
4	19	15.0	22.2

TABLE . SW FLORIDA SHELF ECOSYSTEMS STUDY YEAR I; TEMPERATURE--HYDROLAB PROFILES (TEH)
LISTING OF CORRECTED & VERIFIED DATA.

CRUISE	STATION	DEPTH (M)	TEMPERATURE (C)
4	19	20.0	22.0
4	19	21.0	22.0
4	20	1.5	24.7
4	20	5.0	24.6
4	20	10.0	24.6
4	20	15.0	22.2
4	20	20.0	22.0
4	20	21.0	21.9
4	21	1.5	25.4
4	21	10.0	25.2
4	21	20.0	24.4
4	21	30.0	23.1
4	21	40.0	19.4
4	21	43.0	19.2
4	22	1.5	25.3
4	22	10.0	25.1
4	22	20.0	23.8
4	22	30.0	22.1
4	22	40.0	19.6
4	22	50.0	19.0
4	22	51.2	18.9
4	23	1.5	25.0
4	23	10.0	24.2
4	23	20.0	23.2
4	23	30.0	22.6
4	23	40.0	21.7
4	23	50.0	20.6
4	23	60.0	20.3
4	23	68.5	19.6
4	24	1.5	25.6
4	24	10.0	25.1
4	24	20.0	24.2
4	24	30.0	23.4
4	24	40.0	22.8
4	24	50.0	22.2
4	24	60.0	21.4
4	24	70.0	20.8
4	24	80.0	20.4
4	24	86.9	19.6
4	25	1.5	22.9
4	25	5.0	23.2
4	25	10.0	22.4
4	25	15.0	19.6
4	25	20.0	19.6
4	25	22.5	19.4
4	26	1.5	25.4
4	26	10.0	24.9
4	26	20.0	24.5
4	26	30.0	24.2
4	26	36.6	23.7

TABLE . SW FLORIDA SHELF ECOSYSTEMS STUDY YEAR I; TEMPERATURE--HYDROLAB PROFILES (TEH) LISTING OF CORRECTED & VERIFIED DATA.

CRUISE	STATION	DEPTH (M)	TEMPERATURE (C)
4	27	1.5	24.6
4	27	10.0	24.1
4	27	20.0	23.4
4	27	30.0	22.9
4	27	40.0	19.2
4	27	50.0	18.7
4	28	1.5	24.8
4	28	10.0	23.8
4	28	20.0	23.6
4	28	30.0	19.7
4	28	40.0	18.8
4	28	50.0	18.3
4	28	56.5	18.3
4	29	1.5	26.8
4	29	10.0	26.4
4	29	20.0	25.5
4	29	30.0	24.2
4	29	40.0	23.8
4	29	50.0	23.6
4	29	60.0	23.3
4	30	1.5	26.2
4	30	10.0	26.2
4	30	20.0	26.4
4	30	30.0	25.8
4	30	40.0	23.7
4	30	50.0	22.9
4	30	60.0	21.5
4	30	70.0	20.6
4	30	74.5	20.4

NOTE: CRUISE NUMBERS "3" AND "4" REPRESENT THE FALL (OCTOBER 25-NOVEMBER 23, 1980) AND SPRING (APRIL 22-MAY 5, 1981) CRUISES, RESPECTIVELY.

TABLE . SW FLORIDA SHELF ECOSYSTEMS STUDY YEAR II; TEMPERATURE--HYDROLAB PROFILES (TEH)
LISTING OF CORRECTED AND VERIFIED DATA.

CRUISE	STATION	DEPTH (M)	TEMPERATURE (C)
2	01	1.5	30.7
2	01	10.0	30.4
2	01	20.0	29.2
2	01	23.5	28.7
2	04	1.5	30.0
2	04	10.0	30.0
2	04	20.0	27.1
2	04	30.0	26.0
2	04	40.0	22.5
2	04	50.0	20.6
2	04	57.0	20.6
2	06	1.5	30.0
2	06	10.0	30.4
2	06	20.0	27.6
2	06	24.5	25.9
2	09	1.5	30.4
2	09	10.0	26.9
2	09	20.0	26.4
2	09	30.0	24.6
2	09	40.0	22.2
2	09	50.0	21.3
2	09	58.0	21.3
2	13	1.5	29.9
2	13	10.0	29.9
2	13	20.0	29.9
2	13	20.5	29.9
2	16	1.5	29.5
2	16	10.0	29.7
2	16	20.0	27.3
2	16	30.0	25.1
2	16	40.0	23.0
2	16	50.0	21.7
2	16	57.0	21.6
2	20	1.5	29.9
2	20	10.0	29.9
2	20	20.0	30.0
2	20	23.3	30.0
2	22	1.5	29.6
2	22	10.0	29.7
2	22	20.0	27.4
2	22	30.0	25.8
2	22	40.0	23.6
2	22	50.0	21.9
2	22	54.0	21.7
2	25	1.5	29.7
2	25	10.0	29.7
2	25	20.0	29.7
2	25	23.5	29.7
2	28	1.5	29.5
2	28	10.0	29.5

TABLE . SW FLORIDA SHELF ECOSYSTEMS STUDY YEAR II; TEMPERATURE--HYDROLAB PROFILES (TEH)
LISTING OF CORRECTED AND VERIFIED DATA.

CRUISE	STATION	DEPTH (M)	TEMPERATURE (C)
2	28	20.0	29.1
2	28	30.0	26.3
2	28	40.0	24.6
2	28	50.0	21.9
2	28	60.0	21.6
2	31	1.5	29.7
2	31	10.0	28.6
2	31	20.0	27.3
2	31	30.0	26.1
2	31	40.0	24.9
2	31	50.0	23.2
2	31	60.0	21.5
2	31	70.0	21.0
2	31	80.0	20.3
2	31	90.0	19.7
2	31	100.0	18.9
2	31	110.0	18.6
2	31	120.0	17.7
2	33	1.5	29.3
2	33	10.0	29.0
2	33	20.0	27.0
2	33	30.0	25.4
2	33	40.0	22.9
2	33	50.0	21.2
2	33	60.0	20.3
2	33	70.0	19.9
2	33	80.0	19.2
2	33	90.0	18.6
2	33	95.0	18.4
2	35	1.5	28.7
2	35	10.0	28.7
2	35	20.0	27.2
2	35	30.0	25.7
2	35	40.0	23.1
2	35	50.0	21.7
2	35	60.0	20.4
2	35	70.0	19.6
2	35	80.0	18.7
2	35	90.0	18.1
2	35	100.0	17.7
2	35	110.0	16.7
2	38	1.5	29.5
2	38	10.0	29.5
2	38	20.0	29.5
2	38	30.0	27.0
2	38	40.0	24.0
2	38	50.0	23.0
2	38	60.0	20.5
2	38	70.0	20.0
2	38	80.0	19.5

TABLE . SW FLORIDA SHELF ECOSYSTEMS STUDY YEAR II; TEMPERATURE--HYDROLAB PROFILES (TEH)
LISTING OF CORRECTED AND VERIFIED DATA.

CRUISE	STATION	DEPTH (M)	TEMPERATURE (C)
2	38	90.0	18.5
2	38	100.0	18.4
2	38	110.0	18.0
2	39	1.5	29.5
2	39	10.0	29.5
2	39	20.0	29.2
2	39	30.0	28.0
2	39	40.0	24.2
2	39	50.0	23.8
2	39	60.0	21.3
2	39	70.0	20.5
2	39	80.0	20.0
2	39	90.0	19.5
2	39	100.0	17.5
2	39	110.0	16.0
3	01	1.5	19.4
3	01	10.0	19.4
3	01	20.0	19.0
3	01	24.5	19.0
3	04	1.5	21.2
3	04	10.0	21.2
3	04	20.0	21.1
3	04	30.0	21.0
3	04	40.0	20.5
3	04	50.0	20.2
3	04	57.0	20.1
3	06	1.5	19.6
3	06	10.0	19.6
3	06	20.0	18.5
3	06	26.5	18.5
3	09	1.5	23.0
3	09	10.0	23.0
3	09	20.0	22.0
3	09	30.0	22.0
3	09	40.0	22.0
3	09	50.0	21.0
3	09	60.0	21.0
3	13	1.5	22.3
3	13	10.0	20.8
3	13	20.0	20.8
3	16	1.5	22.4
3	16	10.0	22.4
3	16	20.0	21.7
3	16	30.0	21.3
3	16	40.0	21.1
3	16	50.0	21.0
3	16	57.5	20.9
3	20	1.5	21.5
3	20	10.0	21.4
3	20	20.0	21.4

TABLE . SW FLORIDA SHELF ECOSYSTEMS STUDY YEAR II; TEMPERATURE--HYDROLAB PROFILES (TEH)
LISTING OF CORRECTED AND VERIFIED DATA.

CRUISE	STATION	DEPTH (M)	TEMPERATURE (C)
3	22	1.5	23.5
3	22	10.0	23.0
3	22	20.0	22.5
3	22	30.0	21.5
3	22	40.0	21.0
3	22	50.0	20.5
3	25	1.5	22.9
3	25	10.0	22.9
3	25	20.0	22.8
3	25	23.1	22.4
3	28	1.5	24.0
3	28	10.0	23.5
3	28	20.0	23.2
3	28	30.0	22.9
3	28	40.0	22.3
3	28	50.0	21.6
3	28	60.0	21.6
3	28	62.8	21.6
3	31	1.5	21.2
3	31	10.0	21.3
3	31	20.0	21.3
3	31	30.0	21.3
3	31	40.0	20.5
3	31	50.0	20.4
3	31	60.0	20.0
3	31	70.0	19.5
3	31	80.0	19.4
3	31	90.0	19.0
3	31	100.0	18.3
3	31	110.0	18.0
3	33	1.5	22.2
3	33	10.0	22.1
3	33	20.0	22.1
3	33	30.0	21.4
3	33	40.0	20.6
3	33	50.0	19.9
3	33	60.0	19.5
3	33	70.0	19.0
3	33	80.0	18.5
3	35	1.5	24.5
3	35	10.0	24.5
3	35	20.0	24.2
3	35	30.0	23.6
3	35	40.0	23.4
3	35	50.0	22.8
3	35	60.0	22.2
3	35	70.0	22.1
3	35	80.0	22.0
3	35	90.0	21.7
3	38	1.5	22.9

TABLE . SW FLORIDA SHELF ECOSYSTEMS STUDY YEAR II; TEMPERATURE--HYDROLAB PROFILES (TEH) LISTING OF CORRECTED AND VERIFIED DATA.

CRUISE	STATION	DEPTH (M)	TEMPERATURE (C)
3	38	10.0	22.9
3	38	20.0	22.7
3	38	30.0	22.7
3	38	40.0	21.8
3	38	50.0	21.2
3	38	60.0	20.6
3	38	70.0	20.0
3	38	80.0	19.8
3	38	90.0	19.6
3	38	95.0	19.5
3	39	1.5	24.2
3	39	10.0	23.8
3	39	20.0	23.5
3	39	30.0	23.0
3	39	40.0	22.0
3	39	50.0	21.5
3	39	60.0	21.5
3	39	70.0	21.0
3	39	80.0	20.6
3	39	90.0	20.5
3	39	95.0	20.0

NOTE: CRUISE NUMBERS "2" AND "3" REPRESENT THE SUMMER (JULY 16-AUGUST 5, 1981) AND WINTER (JANUARY 28-FEBRUARY 15, 1982) CRUISES, RESPECTIVELY.

TABLE . SW FLORIDA SHELF ECOSYSTEMS STUDY YEAR I; TEMPERATURE--REVERSING THERMOMETER (TER)
LISTING OF CORRECTED & VERIFIED DATA.

CRUISE	STATION	DEPTH (M)	TEMPERATURE (C)
3	1	1.5	26.78
3	1	23.0	26.73
3	2	1.5	26.79
3	2	23.0	26.77
3	3	1.5	27.14
3	3	47.5	26.71
3	4	1.5	27.51
3	4	53.0	23.23
3	5	1.5	27.93
3	5	87.5	15.84
3	6	1.5	26.17
3	6	24.4	26.18
3	7	1.5	26.40
3	7	29.0	26.39
3	8	1.5	26.92
3	8	46.7	24.77
3	9	1.5	27.25
3	9	54.0	23.67
3	10	1.5	27.15
3	10	79.0	20.74
3	11	1.5	27.31
3	11	74.5	18.27
3	12	1.5	27.35
3	12	88.0	17.14
3	13	1.5	25.81
3	13	18.0	25.87
3	14	1.5	26.50
3	14	24.7	26.48
3	15	1.5	26.61
3	15	30.5	26.62
3	16	1.5	26.72
3	16	52.0	24.31
3	17	1.5	26.04
3	17	56.7	25.24
3	18	1.5	25.81
3	18	84.1	19.93
3	19	1.5	25.42
3	19	21.0	25.41
3	20	1.5	25.41
3	20	21.4	25.39
3	21	1.5	26.19
3	21	43.3	26.18
3	22	1.5	26.21
3	22	50.3	26.01
3	23	1.5	26.23
3	23	68.6	21.21
3	24	1.5	26.05
3	24	87.5	19.78
3	25	1.5	25.48
3	25	22.3	25.49

TABLE . SW FLORIDA SHELF ECOSYSTEMS STUDY YEAR I; TEMPERATURE--REVERSING THERMOMETER (TER)
LISTING OF CORRECTED & VERIFIED DATA.

CRUISE	STATION	DEPTH (M)	TEMPERATURE (C)
3	26	1.5	25.86
3	26	37.2	25.86
3	27	1.5	26.03
3	27	51.8	25.98
3	28	1.5	25.86
3	28	57.3	25.57
3	29	1.5	25.75
3	29	60.0	22.60
3	30	1.5	25.31
3	30	74.7	21.37
4	01	1.5	24.19
4	01	22.3	19.57
4	02	1.5	23.82
4	02	22.9	19.36
4	03	1.5	23.92
4	03	49.8	18.98
4	04	1.5	24.93
4	04	54.3	18.85
4	05	1.5	24.50
4	05	89.3	19.54
4	06	1.5	24.26
4	06	25.0	20.59
4	07	1.5	23.82
4	07	28.9	19.93
4	08	1.5	23.73
4	08	47.0	23.80
4	09	1.5	23.49
4	09	54.5	19.62
4	10	1.5	25.22
4	10	69.8	19.95
4	11	1.5	24.60
4	11	76.2	20.08
4	12	1.5	24.57
4	12	88.5	19.71
4	13	1.5	24.47
4	13	18.3	21.84
4	14	1.5	24.27
4	14	24.5	20.54
4	15	1.5	24.67
4	15	29.5	20.27
4	16	1.5	24.18
4	16	52.4	18.99
4	17	1.5	23.71
4	17	57.0	18.79
4	18	1.5	25.05
4	18	85.1	19.55
4	19	1.5	24.59
4	19	21.0	21.69
4	20	1.5	24.58
4	20	21.0	21.59

TABLE . SW FLORIDA SHELF ECOSYSTEMS STUDY YEAR I; TEMPERATURE--REVERSING THERMOMETER (TER) LISTING OF CORRECTED & VERIFIED DATA.

CRUISE	STATION	DEPTH (M)	TEMPERATURE (C)
4	21	1.5	25.30
4	21	43.0	18.70
4	22	1.5	25.27
4	22	51.3	18.51
4	23	1.5	25.06
4	23	68.5	19.20
4	24	1.5	25.53
4	24	86.9	19.23
4	25	1.5	24.30
4	25	22.5	21.34
4	26	1.5	25.19
4	26	36.6	23.35
4	27	1.5	24.90
4	27	51.5	18.48
4	28	1.5	24.74
4	28	57.0	18.65
4	29	1.5	26.78
4	29	59.5	23.53
4	30	1.5	26.86
4	30	74.5	20.55

NOTE: CRUISE NUMBERS "3" AND "4" REPRESENT THE FALL (OCTOBER 25-NOVEMBER 23, 1980) AND SPRING (APRIL 22-MAY 5, 1981) CRUISES, RESPECTIVELY.

TABLE . SW FLORIDA SHELF ECOSYSTEMS STUDY YEAR II; TEMPERATURE--REVERSING THERMOMETER (TER) LISTING OF CORRECTED AND VERIFIED DATA.

CRUISE	STATION	DEPTH (M)	TEMPERATURE (C)
2	01	1.5	30.80
2	01	23.5	29.13
2	04	1.5	30.18
2	04	57.0	20.39
2	06	1.5	31.08
2	06	24.5	25.94
2	09	1.5	30.61
2	09	58.0	21.16
2	13	1.5	30.21
2	13	20.5	30.21
2	16	1.5	29.95
2	16	57.0	21.44
2	20	1.5	30.09
2	20	23.3	30.09
2	22	1.5	29.75
2	22	56.0	21.61
2	25	1.5	30.30
2	25	23.5	29.97
2	28	1.5	29.56
2	28	62.8	21.52
2	31	1.5	29.78
2	31	141.5	14.63
2	33	1.5	29.43
2	33	144.0	14.84
2	35	1.5	29.05
2	35	157.5	17.86
2	38	1.5	29.70
2	38	157.5	15.87
2	39	1.5	29.87
2	39	150.0	12.60
3	01	1.5	19.86
3	01	24.5	19.13
3	04	1.5	21.20
3	04	57.0	20.92
3	06	1.5	20.91
3	06	26.5	19.67
3	09	1.5	21.77
3	09	58.5	20.69
3	13	2.0	21.19
3	13	22.0	20.67
3	16	1.5	22.40
3	16	57.5	20.76
3	20	2.5	21.65
3	20	22.5	21.73
3	22	1.5	23.37
3	22	58.0	20.50
3	25	1.5	23.18
3	25	23.0	22.96
3	28	1.5	24.03
3	28	62.8	21.64

TABLE . SW FLORIDA SHELF ECOSYSTEMS STUDY YEAR II; TEMPERATURE--REVERSING THERMOMETER (TER) LISTING OF CORRECTED AND VERIFIED DATA.

CRUISE	STATION	DEPTH (M)	TEMPERATURE (C)
3	31	1.5	21.46
3	31	142.0	16.83
3	33	1.5	23.22
3	33	144.0	16.66
3	35	1.5	24.43
3	35	157.5	21.69
3	38	1.5	23.04
3	38	157.5	17.60
3	39	1.5	24.34
3	39	148.5	14.52

NOTE: CRUISE NUMBERS "2" AND "3" REPRESENT THE SUMMER (JULY 16-AUGUST 5, 1981) AND WINTER (JANUARY 28-FEBRUARY 15, 1982) CRUISES, RESPECTIVELY.

TABLE . SW FLORIDA SHELF ECOSYSTEMS STUDY YEAR I; TEMPERATURE--TRANSMISSOMETER PROFILES (TET)
LISTING OF CORRECTED AND VERIFIED DATA.

CRUISE	STATION	DEPTH (M)	TEMPERATURE (C)
3	1	1.5	27.0
3	1	5.0	26.9
3	1	10.0	26.9
3	1	15.0	26.9
3	1	20.0	26.8
3	1	22.5	26.9
3	2	1.5	26.5
3	2	5.0	26.5
3	2	10.0	26.3
3	2	15.0	26.0
3	2	20.0	25.0
3	2	23.0	26.2
3	3	1.5	26.9
3	3	5.0	26.9
3	3	10.0	26.9
3	3	15.0	26.9
3	3	20.0	26.9
3	3	25.0	26.8
3	3	30.0	26.7
3	3	35.0	26.5
3	3	40.0	25.0
3	3	45.0	26.2
3	3	49.0	24.2
3	4	1.5	27.5
3	4	5.0	27.5
3	4	10.0	27.5
3	4	15.0	27.4
3	4	20.0	27.4
3	4	25.0	27.4
3	4	30.0	27.4
3	4	35.0	27.4
3	4	40.0	27.4
3	4	45.0	27.0
3	4	50.0	24.3
3	4	53.0	23.8
3	5	1.5	27.2
3	5	5.0	27.1
3	5	10.0	27.0
3	5	15.0	27.0
3	5	20.0	27.0
3	5	25.0	27.0
3	5	30.0	27.0
3	5	35.0	27.0
3	5	40.0	27.0
3	5	45.0	26.0
3	5	50.0	23.5
3	5	55.0	21.3
3	5	60.0	20.0
3	5	65.0	19.4
3	5	70.0	18.6

TABLE . SW FLORIDA SHELF ECOSYSTEMS STUDY YEAR I; TEMPERATURE--TRANSMISSOMETER PROFILES (TET)
LISTING OF CORRECTED AND VERIFIED DATA.

CRUISE	STATION	DEPTH (M)	TEMPERATURE (C)
3	5	75.0	17.7
3	5	80.0	16.5
3	5	85.0	16.1
3	5	87.0	16.0
3	6	1.5	26.1
3	6	5.0	26.1
3	6	10.0	26.1
3	6	15.0	26.1
3	6	20.0	26.1
3	6	24.4	26.1
3	7	1.5	26.3
3	7	5.0	26.3
3	7	10.0	26.3
3	7	15.0	26.3
3	7	20.0	26.3
3	7	25.0	26.3
3	7	30.0	26.3
3	8	1.5	26.8
3	8	5.0	26.8
3	8	10.0	26.8
3	8	15.0	26.8
3	8	20.0	26.8
3	8	25.0	26.8
3	8	30.0	26.8
3	8	35.0	26.7
3	8	40.0	26.6
3	8	45.0	24.6
3	8	46.7	24.5
3	9	1.5	27.3
3	9	5.0	27.3
3	9	10.0	27.3
3	9	15.0	27.3
3	9	20.0	27.3
3	9	25.0	27.3
3	9	30.0	27.3
3	9	35.0	27.3
3	9	40.0	27.3
3	9	45.0	24.5
3	9	50.0	23.8
3	9	54.0	23.8
3	10	1.5	27.4
3	10	5.0	27.3
3	10	10.0	27.3
3	10	15.0	27.3
3	10	20.0	27.3
3	10	25.0	27.3
3	10	30.0	27.3
3	10	35.0	26.8
3	10	40.0	25.7
3	10	45.0	25.0

TABLE . SW FLORIDA SHELF ECOSYSTEMS STUDY YEAR I; TEMPERATURE--TRANSMISSOMETER PROFILES (TET)
LISTING OF CORRECTED AND VERIFIED DATA.

CRUISE	STATION	DEPTH (M)	TEMPERATURE (C)
3	10	50.0	22.7
3	10	55.0	21.5
3	10	60.0	20.7
3	10	65.0	20.7
3	10	70.0	20.4
3	10	75.0	19.5
3	10	79.0	19.4
3	11	1.5	27.4
3	11	5.0	27.4
3	11	10.0	27.4
3	11	15.0	27.4
3	11	20.0	27.3
3	11	25.0	27.2
3	11	30.0	27.2
3	11	35.0	27.2
3	11	40.0	27.2
3	11	45.0	23.1
3	11	50.0	22.6
3	11	55.0	20.6
3	11	60.0	19.6
3	11	65.0	19.5
3	11	70.0	19.2
3	11	75.0	17.8
3	11	78.0	17.1
3	12	1.5	27.2
3	12	5.0	27.2
3	12	10.0	27.3
3	12	15.0	27.2
3	12	20.0	27.3
3	12	25.0	27.2
3	12	30.0	27.2
3	12	35.0	27.1
3	12	40.0	26.6
3	12	45.0	24.6
3	12	50.0	23.4
3	12	55.0	22.4
3	12	60.0	20.9
3	12	65.0	19.4
3	12	70.0	18.4
3	12	75.0	17.9
3	12	80.0	16.9
3	12	85.0	16.1
3	12	86.0	15.9
3	13	1.5	25.8
3	13	5.0	25.8
3	13	10.0	25.8
3	13	15.0	25.8
3	13	19.5	25.8
3	14	1.5	26.0
3	14	5.0	26.1

TABLE . SW FLORIDA SHELF ECOSYSTEMS STUDY YEAR I; TEMPERATURE--TRANSMISSOMETER PROFILES (TET)
LISTING OF CORRECTED AND VERIFIED DATA.

CRUISE	STATION	DEPTH (M)	TEMPERATURE (C)
3	14	10.0	26.2
3	14	15.0	26.1
3	14	20.0	26.1
3	14	25.0	26.1
3	15	1.5	26.6
3	15	5.0	26.6
3	15	10.0	26.6
3	15	15.0	26.6
3	15	20.0	26.6
3	15	25.0	26.6
3	15	30.0	26.6
3	15	30.5	26.6
3	16	1.5	26.2
3	16	5.0	26.2
3	16	10.0	26.2
3	16	15.0	26.2
3	16	20.0	26.2
3	16	25.0	26.2
3	16	30.0	26.2
3	16	35.0	26.1
3	16	40.0	26.1
3	16	45.0	26.1
3	16	50.0	26.1
3	16	53.0	26.0
3	17	1.5	26.0
3	17	5.0	26.0
3	17	10.0	26.1
3	17	15.0	26.1
3	17	20.0	26.1
3	17	25.0	26.1
3	17	30.0	26.1
3	17	35.0	26.1
3	17	40.0	26.1
3	17	45.0	26.1
3	17	50.0	26.1
3	17	55.0	25.7
3	17	58.0	25.2
3	18	1.5	25.6
3	18	5.0	25.6
3	18	10.0	25.6
3	18	15.0	25.6
3	18	20.0	25.6
3	18	25.0	25.6
3	18	30.0	25.6
3	18	35.0	25.6
3	18	40.0	25.6
3	18	45.0	24.8
3	18	50.0	22.8
3	18	55.0	22.4
3	18	60.0	22.0

TABLE . SW FLORIDA SHELF ECOSYSTEMS STUDY YEAR I; TEMPERATURE--TRANSMISSOMETER PROFILES (TET)
LISTING OF CORRECTED AND VERIFIED DATA.

CRUISE	STATION	DEPTH (M)	TEMPERATURE (C)
3	18	65.0	20.5
3	18	70.0	20.2
3	18	75.0	20.2
3	18	80.0	20.0
3	18	85.0	19.9
3	19	1.5	25.4
3	19	5.0	25.4
3	19	10.0	25.4
3	19	15.0	25.4
3	19	20.0	25.4
3	19	21.0	25.4
3	20	1.5	25.4
3	20	5.0	25.4
3	20	10.0	25.4
3	20	15.0	25.4
3	20	20.0	25.4
3	20	21.4	25.4
3	21	1.5	26.2
3	21	5.0	26.2
3	21	10.0	26.2
3	21	15.0	26.2
3	21	20.0	26.2
3	21	25.0	26.2
3	21	30.0	26.2
3	21	35.0	26.2
3	21	40.0	26.2
3	21	44.0	26.2
3	22	1.5	26.2
3	22	5.0	26.1
3	22	10.0	26.1
3	22	15.0	26.1
3	22	20.0	26.1
3	22	25.0	26.1
3	22	30.0	26.1
3	22	35.0	26.1
3	22	40.0	26.1
3	22	45.0	26.1
3	22	50.3	26.1
3	23	1.5	26.2
3	23	5.0	26.2
3	23	10.0	26.3
3	23	15.0	26.2
3	23	20.0	26.2
3	23	25.0	26.2
3	23	30.0	26.2
3	23	35.0	26.2
3	23	40.0	26.2
3	23	45.0	25.7
3	23	50.0	24.4
3	23	55.0	23.8

TABLE . SW FLORIDA SHELF ECOSYSTEMS STUDY YEAR I; TEMPERATURE--TRANSMISSOMETER PROFILES (TET)
LISTING OF CORRECTED AND VERIFIED DATA.

CRUISE	STATION	DEPTH (M)	TEMPERATURE (C)
3	23	60.0	23.4
3	23	65.0	21.6
3	23	68.6	21.4
3	24	1.5	25.8
3	24	5.0	25.8
3	24	10.0	25.7
3	24	15.0	25.7
3	24	20.0	25.8
3	24	25.0	25.8
3	24	30.0	25.8
3	24	35.0	25.8
3	24	40.0	25.9
3	24	45.0	23.9
3	24	50.0	21.6
3	24	55.0	21.3
3	24	60.0	20.7
3	24	65.0	20.2
3	24	70.0	20.1
3	24	75.0	20.0
3	24	80.0	19.9
3	24	85.0	19.8
3	24	87.5	18.8
3	25	1.5	25.3
3	25	5.0	25.3
3	25	10.0	25.3
3	25	15.0	25.3
3	25	20.0	25.3
3	25	24.0	25.4
3	26	1.5	25.8
3	26	5.0	25.8
3	26	10.0	25.8
3	26	15.0	25.8
3	26	20.0	25.8
3	26	25.0	25.8
3	26	30.0	25.9
3	26	35.0	25.9
3	26	37.2	25.9
3	27	1.5	26.0
3	27	5.0	26.0
3	27	10.0	26.0
3	27	15.0	26.0
3	27	20.0	26.1
3	27	25.0	26.1
3	27	30.0	26.1
3	27	35.0	26.1
3	27	40.0	26.1
3	27	45.0	26.1
3	27	50.0	26.1
3	27	53.0	26.0
3	28	1.5	25.7

TABLE . SW FLORIDA SHELF ECOSYSTEMS STUDY YEAR I; TEMPERATURE--TRANSMISSOMETER PROFILES (TET)
LISTING OF CORREQTED AND VERIFIED DATA.

CRUISE	STATION	DEPTH (M)	TEMPERATURE (C)
3	28	5.0	25.7
3	28	10.0	25.7
3	28	15.0	25.7
3	28	20.0	25.7
3	28	25.0	25.7
3	28	30.0	25.7
3	28	35.0	25.7
3	28	40.0	25.7
3	28	45.0	25.7
3	28	50.0	25.7
3	28	55.0	25.4
3	28	57.3	25.3
3	29	1.5	25.7
3	29	5.0	25.7
3	29	10.0	25.7
3	29	15.0	25.7
3	29	20.0	25.7
3	29	25.0	25.6
3	29	30.0	25.6
3	29	35.0	25.6
3	29	40.0	25.2
3	29	45.0	24.5
3	29	50.0	23.6
3	29	55.0	22.7
3	29	60.0	22.6
3	29	61.5	22.6
3	30	1.5	25.3
3	30	5.0	25.3
3	30	10.0	25.3
3	30	15.0	25.3
3	30	20.0	25.3
3	30	25.0	25.3
3	30	30.0	25.3
3	30	35.0	25.1
3	30	40.0	22.6
3	30	45.0	22.1
3	30	50.0	22.0
3	30	55.0	22.0
3	30	60.0	21.8
3	30	65.0	21.7
3	30	70.0	21.6
3	30	75.3	21.4
3	30	80.0	19.8
4	1	1.5	30.5
4	1	5.0	29.0
4	1	10.0	26.7
4	1	15.0	26.1
4	1	20.0	23.7
4	1	22.0	23.3
4	2	1.5	28.5

TABLE . SW FLORIDA SHELF ECOSYSTEMS STUDY YEAR I; TEMPERATURE--TRANSMISSOMETER PROFILES (TET)
LISTING OF CORRECTED AND VERIFIED DATA.

CRUISE	STATION	DEPTH (M)	TEMPERATURE (C)
4	2	5.0	27.9
4	2	10.0	26.4
4	2	15.0	26.2
4	2	20.0	23.4
4	2	23.2	22.9
4	3	1.5	31.2
4	3	5.0	29.3
4	3	10.0	26.6
4	3	15.0	26.2
4	3	20.0	26.2
4	3	25.0	25.7
4	3	30.0	24.1
4	3	35.0	23.0
4	3	40.0	22.6
4	3	45.0	21.8
4	3	49.8	21.6
4	4	1.5	27.7
4	4	5.0	24.7
4	4	10.0	22.6
4	4	15.0	21.6
4	4	20.0	22.6
4	4	25.0	20.4
4	4	30.0	19.7
4	4	35.0	18.7
4	4	40.0	17.3
4	4	45.0	17.2
4	4	50.0	16.8
4	4	54.3	16.2
4	5	1.5	29.5
4	5	5.0	28.8
4	5	10.0	27.0
4	5	15.0	26.0
4	5	20.0	26.0
4	5	25.0	26.1
4	5	30.0	25.2
4	5	35.0	24.1
4	5	40.0	23.0
4	5	45.0	22.6
4	5	50.0	22.2
4	5	55.0	21.1
4	5	60.0	21.9
4	5	65.0	21.3
4	5	70.0	20.6
4	5	75.0	20.3
4	5	80.0	19.7
4	5	85.0	19.5
4	5	89.3	18.8
4	6	1.5	29.9
4	6	5.0	29.3
4	6	10.0	27.9

TABLE . SW FLORIDA SHELF ECOSYSTEMS STUDY YEAR I; TEMPERATURE--TRANSMISSOMETER PROFILES (TET)
LISTING OF CORRECTED AND VERIFIED DATA.

CRUISE	STATION	DEPTH (M)	TEMPERATURE (C)
4	6	15.0	27.6
4	6	20.0	24.0
4	6	25.0	24.5
4	7	1.5	28.5
4	7	5.0	28.0
4	7	10.0	26.5
4	7	15.0	25.7
4	7	20.0	24.5
4	7	25.0	23.5
4	7	29.0	23.0
4	8	1.5	30.9
4	8	5.0	30.1
4	8	10.0	28.4
4	8	15.0	26.0
4	8	20.0	25.5
4	8	25.0	24.6
4	8	30.0	24.2
4	8	35.0	23.6
4	8	40.0	22.9
4	8	45.0	22.6
4	8	47.0	22.4
4	9	1.5	30.0
4	9	5.0	28.1
4	9	10.0	26.2
4	9	15.0	25.5
4	9	20.0	29.4
4	9	25.0	22.3
4	9	30.0	22.1
4	9	35.0	21.2
4	9	40.0	20.9
4	9	45.0	20.6
4	9	50.0	20.2
4	9	54.5	19.7
4	10	1.5	30.5
4	10	5.0	30.0
4	10	10.0	28.6
4	10	15.0	28.0
4	10	20.0	27.4
4	10	25.0	27.6
4	10	30.0	27.2
4	10	35.0	26.6
4	10	40.0	26.2
4	10	45.0	25.6
4	10	50.0	24.6
4	10	55.0	24.0
4	10	60.0	23.5
4	10	65.0	22.8
4	10	69.8	22.7
4	11	1.5	29.3
4	11	5.0	28.6

TABLE . SW FLORIDA SHELF ECOSYSTEMS STUDY YEAR I; TEMPERATURE--TRANSMISSOMETER PROFILES (TET)
LISTING OF CORRECTED AND VERIFIED DATA.

CRUISE	STATION	DEPTH (M)	TEMPERATURE (C)
4	11	10.0	26.7
4	11	15.0	26.1
4	11	20.0	25.5
4	11	25.0	25.4
4	11	30.0	25.0
4	11	35.0	25.1
4	11	40.0	24.4
4	11	45.0	23.5
4	11	50.0	22.5
4	11	55.0	21.8
4	11	60.0	21.5
4	11	65.0	21.5
4	11	70.0	21.5
4	11	75.0	21.4
4	11	76.2	21.1
4	12	1.5	29.9
4	12	5.0	28.3
4	12	10.0	26.4
4	12	15.0	25.2
4	12	20.0	23.9
4	12	25.0	23.9
4	12	30.0	23.4
4	12	35.0	23.2
4	12	40.0	22.4
4	12	45.0	21.5
4	12	50.0	21.4
4	12	55.0	21.2
4	12	60.0	20.6
4	12	65.0	20.6
4	12	70.0	20.6
4	12	75.0	20.0
4	12	80.0	19.6
4	12	85.0	19.6
4	12	88.7	19.0
4	13	1.5	32.0
4	13	5.0	32.0
4	13	10.0	30.2
4	13	15.0	27.6
4	13	18.3	26.1
4	14	1.5	33.1
4	14	5.0	32.0
4	14	10.0	29.8
4	14	15.0	28.4
4	14	20.0	24.1
4	14	24.5	23.6
4	15	1.5	31.6
4	15	5.0	30.4
4	15	10.0	29.0
4	15	15.0	27.8
4	15	20.0	24.7

TABLE . SW FLORIDA SHELF ECOSYSTEMS STUDY YEAR I; TEMPERATURE--TRANSMISSOMETER PROFILES (TET)
LISTING OF CORRECTED AND VERIFIED DATA.

CRUISE	STATION	DEPTH (M)	TEMPERATURE (C)
4	15	25.0	23.7
4	15	29.5	23.8
4	16	1.5	33.0
4	16	5.0	32.0
4	16	10.0	28.8
4	16	15.0	26.4
4	16	20.0	23.5
4	16	25.0	22.8
4	16	30.0	22.0
4	16	35.0	20.8
4	16	40.0	20.4
4	16	45.0	20.7
4	16	50.0	21.3
4	16	52.4	20.9
4	17	1.5	29.5
4	17	5.0	29.0
4	17	10.0	26.6
4	17	15.0	24.7
4	17	20.0	22.0
4	17	25.0	20.6
4	17	30.0	19.6
4	17	35.0	19.5
4	17	40.0	19.5
4	17	45.0	19.5
4	17	50.0	19.0
4	17	55.0	18.7
4	17	57.0	18.6
4	18	1.5	31.4
4	18	5.0	30.2
4	18	10.0	27.9
4	18	15.0	26.8
4	18	20.0	25.9
4	18	25.0	25.4
4	18	30.0	24.4
4	18	35.0	
4	18	40.0	
4	18	45.0	23.4
4	18	50.0	22.7
4	18	55.0	22.6
4	18	60.0	22.2
4	18	65.0	21.6
4	18	70.0	21.6
4	18	75.0	21.4
4	18	80.0	21.2
4	18	85.1	20.9
4	19	1.5	33.4
4	19	5.0	32.5
4	19	10.0	31.8
4	19	15.0	27.0
4	19	20.0	26.7

TABLE . SW FLORIDA SHELF ECOSYSTEMS STUDY YEAR I; TEMPERATURE--TRANSMISSOMETER PROFILES (TET)
LISTING OF CORRECTED AND VERIFIED DATA.

CRUISE	STATION	DEPTH (M)	TEMPERATURE (C)
4	19	21.0	26.4
4	20	1.5	30.7
4	20	5.0	30.4
4	20	10.0	29.1
4	20	15.0	25.9
4	20	20.0	25.2
4	20	21.0	25.0
4	21	1.5	31.2
4	21	5.0	31.2
4	21	10.0	30.2
4	21	15.0	30.2
4	21	20.0	29.3
4	21	25.0	28.6
4	21	30.0	27.2
4	21	35.0	26.0
4	21	40.0	23.6
4	21	43.0	23.4
4	22	1.5	32.5
4	22	5.0	31.5
4	22	10.0	30.7
4	22	15.0	28.9
4	22	20.0	27.6
4	22	25.0	26.7
4	22	30.0	26.0
4	22	35.0	24.7
4	22	40.0	23.2
4	22	45.0	22.5
4	22	50.0	22.4
4	22	51.2	22.2
4	23	1.5	27.8
4	23	5.0	28.0
4	23	10.0	27.2
4	23	15.0	26.5
4	23	20.0	25.7
4	23	25.0	25.5
4	23	30.0	25.1
4	23	35.0	24.4
4	23	40.0	23.2
4	23	45.0	23.1
4	23	50.0	22.8
4	23	55.0	22.7
4	23	60.0	22.6
4	23	65.0	22.5
4	23	68.5	21.7
4	24	1.5	27.4
4	24	5.0	29.4
4	24	10.0	30.4
4	24	15.0	29.6
4	24	20.0	28.8
4	24	25.0	28.5

TABLE . SW FLORIDA SHELF ECOSYSTEMS STUDY YEAR I; TEMPERATURE--TRANSMISSOMETER PROFILES (TET)
LISTING OF CORRECTED AND VERIFIED DATA.

CRUISE	STATION	DEPTH (M)	TEMPERATURE (C)
4	24	30.0	28.7
4	24	35.0	28.4
4	24	40.0	28.2
4	24	45.0	27.5
4	24	50.0	26.5
4	24	55.0	26.0
4	24	60.0	25.2
4	24	65.0	25.0
4	24	70.0	24.9
4	24	75.0	24.4
4	24	80.0	24.2
4	24	85.0	23.7
4	24	86.9	23.6
4	25	1.5	24.2
4	25	5.0	23.8
4	25	10.0	22.8
4	25	15.0	21.3
4	25	20.0	21.3
4	25	22.5	21.2
4	26	1.5	25.4
4	26	5.0	25.2
4	26	10.0	24.8
4	26	15.0	24.6
4	26	20.0	24.4
4	26	25.0	24.4
4	26	30.0	24.2
4	26	35.0	23.8
4	26	36.6	23.6
4	27	1.5	26.5
4	27	5.0	26.5
4	27	10.0	26.6
4	27	15.0	26.3
4	27	20.0	26.3
4	27	25.0	26.3
4	27	30.0	26.0
4	27	35.0	25.1
4	27	40.0	22.9
4	27	45.0	22.5
4	27	50.0	22.5
4	27	51.5	22.6
4	28	1.5	25.0
4	28	5.0	24.8
4	28	10.0	24.1
4	28	15.0	24.1
4	28	20.0	24.0
4	28	25.0	23.6
4	28	30.0	20.0
4	28	35.0	19.3
4	28	40.0	20.0
4	28	45.0	20.1

TABLE . SW FLORIDA SHELF ECOSYSTEMS STUDY YEAR I; TEMPERATURE--TRANSMISSOMETER PROFILES (TET) LISTING OF CORRECTED AND VERIFIED DATA.

CRUISE	STATION	DEPTH (M)	TEMPERATURE (C)
4	28	50.0	20.1
4	28	55.0	20.1
4	28	56.5	20.5
4	29	1.5	27.6
4	29	5.0	27.4
4	29	10.0	27.4
4	29	15.0	26.8
4	29	20.0	26.0
4	29	25.0	25.4
4	29	30.0	24.7
4	29	35.0	24.3
4	29	40.0	24.2
4	29	45.0	24.0
4	29	50.0	23.9
4	29	55.0	23.8
4	29	60.0	23.5
4	30	1.5	27.7
4	30	5.0	27.6
4	30	10.0	27.6
4	30	15.0	31.5
4	30	20.0	32.0
4	30	25.0	32.0
4	30	30.0	31.5
4	30	35.0	31.5
4	30	40.0	
4	30	45.0	29.1
4	30	50.0	28.5
4	30	55.0	27.6
4	30	60.0	27.0
4	30	65.0	26.7
4	30	70.0	26.1
4	30	74.5	25.0

NOTE: CRUISE NUMBERS "3" AND "4" REPRESENT THE FALL (OCTOBER 25-NOVEMBER 23, 1980) AND SPRING (APRIL 22-MAY 5, 1981) CRUISES, RESPECTIVELY.

TABLE . SW FLORIDA SHELF ECOSYSTEMS STUDY YEAR II; TEMPERATURE--TRANSMISSOMETER PROFILES (TET)
LISTING OF CORRECTED AND VERIFIED DATA.

CRUISE	STATION	DEPTH (M)	TEMPERATURE (C)
2	01	1.5	30.6
2	01	5.0	30.6
2	01	10.0	30.5
2	01	15.0	30.5
2	01	20.0	28.8
2	01	23.5	28.6
2	04	1.5	29.9
2	04	5.0	29.8
2	04	10.0	29.8
2	04	15.0	28.9
2	04	20.0	26.3
2	04	25.0	25.5
2	04	30.0	24.6
2	04	35.0	24.0
2	04	40.0	21.6
2	04	45.0	20.6
2	04	50.0	20.4
2	04	55.0	20.4
2	04	57.0	20.4
2	06	1.5	31.1
2	06	5.0	30.9
2	06	10.0	30.5
2	06	15.0	29.8
2	06	20.0	27.4
2	06	24.5	26.0
2	09	1.5	30.2
2	09	5.0	30.1
2	09	10.0	26.7
2	09	15.0	25.4
2	09	20.0	26.0
2	09	30.0	24.2
2	09	35.0	23.4
2	09	40.0	21.6
2	09	45.0	21.2
2	09	50.0	21.0
2	09	55.0	21.0
2	09	58.0	20.9
2	13	1.5	30.4
2	13	5.0	30.4
2	13	10.0	30.4
2	13	20.0	30.4
2	13	20.5	30.4
2	16	1.5	30.5
2	16	5.0	30.5
2	16	10.0	30.2
2	16	15.0	30.2
2	16	20.0	29.2
2	16	25.0	27.6
2	16	30.0	26.4
2	16	35.0	26.0

TABLE . SW FLORIDA SHELF ECOSYSTEMS STUDY YEAR II; TEMPERATURE--TRANSMISSOMETER PROFILES (TET)
LISTING OF CORRECTED AND VERIFIED DATA.

CRUISE	STATION	DEPTH (M)	TEMPERATURE (C)
2	16	40.0	25.0
2	16	45.0	24.0
2	16	50.0	22.3
2	16	55.0	22.1
2	16	57.0	22.1
2	22	1.5	29.7
2	22	5.0	29.7
2	22	10.0	29.8
2	22	15.0	29.6
2	22	20.0	28.0
2	22	25.0	26.7
2	22	30.0	26.0
2	22	35.0	25.4
2	22	40.0	23.7
2	22	45.0	21.9
2	22	50.0	21.8
2	22	52.0	21.8
2	25	1.5	30.0
2	25	5.0	30.0
2	25	10.0	30.0
2	25	15.0	30.0
2	25	20.0	30.0
2	25	23.5	30.0
2	28	1.5	29.6
2	28	5.0	29.6
2	28	10.0	29.6
2	28	15.0	29.5
2	28	20.0	29.4
2	28	25.0	28.1
2	28	30.0	26.2
2	28	35.0	25.3
2	28	40.0	24.4
2	28	45.0	23.9
2	28	50.0	22.0
2	28	55.0	21.8
2	28	57.0	21.7
2	31	1.5	29.5
2	31	5.0	29.5
2	31	10.0	28.9
2	31	15.0	28.3
2	31	20.0	27.0
2	31	25.0	26.3
2	31	30.0	25.6
2	31	35.0	25.1
2	31	40.0	24.2
2	31	45.0	24.2
2	31	50.0	22.6
2	31	55.0	21.9
2	31	60.0	21.2
2	31	65.0	20.8

TABLE . SW FLORIDA SHELF ECOSYSTEMS STUDY YEAR II; TEMPERATURE--TRANSMISSOMETER PROFILES (TET)
LISTING OF CORRECTED AND VERIFIED DATA.

CRUISE	STATION	DEPTH (M)	TEMPERATURE (C)
2	31	70.0	20.6
2	31	75.0	20.6
2	31	80.0	20.2
2	31	85.0	19.9
2	31	90.0	19.6
2	31	95.0	19.4
2	31	100.0	19.2
2	31	105.0	18.7
2	31	110.0	18.5
2	31	115.0	18.3
2	31	120.0	17.7
2	31	125.0	15.8
2	31	130.0	15.6
2	31	135.0	15.2
2	31	140.0	14.5
2	31	141.5	14.6
2	33	1.5	32.4
2	33	5.0	32.4
2	33	10.0	32.6
2	33	15.0	32.6
2	33	20.0	31.9
2	33	25.0	30.7
2	33	30.0	29.6
2	33	35.0	29.1
2	33	40.0	27.9
2	33	45.0	27.2
2	33	50.0	26.4
2	33	55.0	25.7
2	33	60.0	25.4
2	33	65.0	25.4
2	33	70.0	25.4
2	33	75.0	25.3
2	33	80.0	25.1
2	33	85.0	24.9
2	33	90.0	24.9
2	33	95.0	24.9
2	33	100.0	24.4
2	33	105.0	24.1
2	33	110.0	24.0
2	33	115.0	23.9
2	33	120.0	23.8
2	33	125.0	23.3
2	33	130.0	22.8
2	33	135.0	22.4
2	33	140.0	21.6
2	33	144.0	21.4
2	35	1.5	30.7
2	35	5.0	30.6
2	35	10.0	30.6
2	35	15.0	30.7

TABLE . SW FLORIDA SHELF ECOSYSTEMS STUDY YEAR II; TEMPERATURE--TRANSMISSOMETER PROFILES (TET)
LISTING OF CORRECTED AND VERIFIED DATA.

CRUISE	STATION	DEPTH (M)	TEMPERATURE (C)
2	35	20.0	30.1
2	35	25.0	29.0
2	35	30.0	27.6
2	35	35.0	26.2
2	35	40.0	25.1
2	35	45.0	24.4
2	35	50.0	23.9
2	35	55.0	23.7
2	35	60.0	23.2
2	35	65.0	23.0
2	35	70.0	22.5
2	35	75.0	22.1
2	35	80.0	21.6
2	35	85.0	21.5
2	35	90.0	21.1
2	35	95.0	21.0
2	35	100.0	20.8
2	35	105.0	20.6
2	35	110.0	20.6
2	35	115.0	20.4
2	35	120.0	20.1
2	35	125.0	19.7
2	35	130.0	19.7
2	35	135.0	19.6
2	35	140.0	19.4
2	35	145.0	19.2
2	35	150.0	19.0
2	35	155.0	18.8
2	35	157.0	18.7
2	38	1.5	29.7
2	38	5.0	29.7
2	38	10.0	29.7
2	38	15.0	29.7
2	38	20.0	29.7
2	38	25.0	28.6
2	38	30.0	27.0
2	38	35.0	24.0
2	38	40.0	23.5
2	38	45.0	22.6
2	38	50.0	22.0
2	38	55.0	21.0
2	38	60.0	20.2
2	38	70.0	20.0
2	38	75.0	20.0
2	38	80.0	19.5
2	38	85.0	19.1
2	38	90.0	18.7
2	38	95.0	18.5
2	38	100.0	18.5
2	38	105.0	18.3

TABLE . SW FLORIDA SHELF ECOSYSTEMS STUDY YEAR II; TEMPERATURE--TRANSMISSOMETER PROFILES (TET)
LISTING OF CORRECTED AND VERIFIED DATA.

CRUISE	STATION	DEPTH (M)	TEMPERATURE (C)
2	38	110.0	18.2
2	38	115.0	17.8
2	38	120.0	17.5
2	38	125.0	17.0
2	38	130.0	17.0
2	38	135.0	16.5
2	38	140.0	16.0
2	38	145.0	16.0
2	38	150.0	16.0
2	38	153.0	16.0
2	39	1.5	29.8
2	39	5.0	29.2
2	39	10.0	29.2
2	39	15.0	29.2
2	39	20.0	29.0
2	39	25.0	29.0
2	39	30.0	27.0
2	39	35.0	24.5
2	39	40.0	24.0
2	39	45.0	23.8
2	39	50.0	23.5
2	39	55.0	22.0
2	39	60.0	21.5
2	39	65.0	20.5
2	39	70.0	20.2
2	39	75.0	20.0
2	39	80.0	19.7
2	39	85.0	19.5
2	39	90.0	19.3
2	39	95.0	17.5
2	39	100.0	16.8
2	39	105.0	16.5
2	39	110.0	14.5
2	39	115.0	14.0
2	39	120.0	13.5
2	39	125.0	13.5
2	39	130.0	13.5
2	39	135.0	13.2
2	39	140.0	13.0
2	39	145.0	12.5
2	39	150.0	12.5
3	01	1.5	19.2
3	01	5.0	19.2
3	01	10.0	19.2
3	01	15.0	19.2
3	01	20.0	18.9
3	01	24.0	18.9
3	04	1.5	21.3
3	04	5.0	21.3
3	04	10.0	21.3

TABLE . SW FLORIDA SHELF ECOSYSTEMS STUDY YEAR II; TEMPERATURE--TRANSMISSOMETER PROFILES (TET)
LISTING OF CORRECTED AND VERIFIED DATA.

CRUISE	STATION	DEPTH (M)	TEMPERATURE (C)
3	04	15.0	21.2
3	04	20.0	21.3
3	04	25.0	21.2
3	04	30.0	21.0
3	04	35.0	20.6
3	04	40.0	20.5
3	04	45.0	20.4
3	04	50.0	20.2
3	04	55.0	20.1
3	04	57.0	20.1
3	06		
3	09	5.0	21.6
3	09	10.0	21.6
3	09	15.0	21.5
3	09	20.0	21.5
3	09	25.0	21.4
3	09	30.0	21.4
3	09	35.0	21.2
3	09	40.0	21.0
3	09	45.0	21.0
3	09	50.0	20.6
3	09	55.0	20.5
3	09	60.0	20.5
3	09	65.0	20.5
3	13	1.5	21.0
3	13	5.0	20.7
3	13	10.0	20.5
3	13	15.0	20.5
3	13	20.0	20.5
3	16	1.5	22.2
3	16	5.0	22.2
3	16	10.0	22.2
3	16	15.0	22.1
3	16	20.0	21.6
3	16	25.0	21.3
3	16	30.0	21.0
3	16	35.0	20.9
3	16	40.0	20.8
3	16	45.0	20.8
3	16	50.0	20.6
3	16	55.0	20.6
3	16	57.5	20.6
3	20	1.5	21.5
3	20	5.0	21.5
3	20	10.0	21.5
3	20	15.0	21.4
3	20	20.0	21.3
3	22	1.5	25.0
3	22	5.0	22.5
3	22	10.0	22.0

TABLE . SW FLORIDA SHELF ECOSYSTEMS STUDY YEAR II; TEMPERATURE--TRANSMISSOMETER PROFILES (TET) LISTING OF CORRECTED AND VERIFIED DATA.

CRUISE	STATION	DEPTH (M)	TEMPERATURE (C)
3	22	15.0	21.5
3	22	20.0	21.0
3	22	25.0	20.5
3	22	30.0	20.0
3	22	35.0	20.0
3	22	40.0	19.7
3	22	45.0	19.5
3	22	50.0	19.5
3	25	1.5	22.9
3	25	5.0	22.9
3	25	10.0	22.9
3	25	15.0	22.9
3	25	20.0	22.6
3	25	23.1	22.3
3	28	1.5	24.0
3	28	5.0	24.1
3	28	10.0	23.5
3	28	15.0	23.3
3	28	20.0	23.3
3	28	25.0	23.2
3	28	30.0	22.9
3	28	35.0	22.6
3	28	40.0	22.4
3	28	45.0	21.9
3	28	50.0	21.8
3	28	55.0	21.8
3	28	60.0	21.8
3	28	62.8	21.7
3	31	1.5	21.5
3	31	5.0	21.5
3	31	10.0	21.5
3	31	15.0	21.5
3	31	20.0	21.5
3	31	25.0	21.5
3	31	30.0	21.0
3	31	35.0	20.5
3	31	40.0	20.5
3	31	45.0	20.3
3	31	50.0	20.1
3	31	55.0	20.1
3	31	60.0	19.9
3	31	65.0	19.5
3	31	70.0	19.4
3	31	75.0	19.2
3	31	80.0	19.2
3	31	85.0	19.1
3	31	90.0	19.0
3	31	95.0	18.8
3	31	100.0	18.5
3	31	105.0	18.5

TABLE . SW FLORIDA SHELF ECOSYSTEMS STUDY YEAR II; TEMPERATURE--TRANSMISSOMETER PROFILES (TET) LISTING OF CORRECTED AND VERIFIED DATA.

CRUISE	STATION	DEPTH (M)	TEMPERATURE (C)
3	31	110.0	18.2
3	31	115.0	18.0
3	31	120.0	17.9
3	31	125.0	17.6
3	31	130.0	17.6
3	31	135.0	17.0
3	31	140.0	17.0
3	33	1.5	22.2
3	33	5.0	22.2
3	33	10.0	22.1
3	33	15.0	22.1
3	33	20.0	22.1
3	33	25.0	22.0
3	33	30.0	21.9
3	33	35.0	21.2
3	33	40.0	20.7
3	33	45.0	20.4
3	33	50.0	20.2
3	33	55.0	19.7
3	33	60.0	19.5
3	33	65.0	19.4
3	33	70.0	19.2
3	33	75.0	19.1
3	33	80.0	18.9
3	33	85.0	18.7
3	33	90.0	18.6
3	33	95.0	18.5
3	33	100.0	18.4
3	33	105.0	18.2
3	33	110.0	18.1
3	33	115.0	17.7
3	33	120.0	17.0
3	33	125.0	16.5
3	33	130.0	16.4
3	33	135.0	16.4
3	33	140.0	16.4
3	35	1.5	24.5
3	35	5.0	24.5
3	35	10.0	24.5
3	35	15.0	24.5
3	35	20.0	24.2
3	35	25.0	23.8
3	35	30.0	23.7
3	35	35.0	23.4
3	35	40.0	23.2
3	35	45.0	23.2
3	35	50.0	22.9
3	35	55.0	22.7
3	35	60.0	22.4
3	35	65.0	22.3

TABLE . SW FLORIDA SHELF ECOSYSTEMS STUDY YEAR II; TEMPERATURE--TRANSMISSOMETER PROFILES (TET) LISTING OF CORRECTED AND VERIFIED DATA.

CRUISE	STATION	DEPTH (M)	TEMPERATURE (C)
3	35	70.0	22.1
3	35	75.0	22.1
3	35	80.0	22.0
3	35	85.0	22.0
3	35	90.0	22.0
3	35	95.0	21.8
3	35	100.0	21.7
3	35	105.0	21.7
3	35	110.0	21.7
3	35	115.0	21.1
3	35	120.0	21.1
3	35	125.0	20.8
3	35	130.0	20.7
3	35	135.0	20.7
3	35	140.0	20.7
3	35	145.0	20.6
3	35	150.0	20.6
3	35	155.0	20.4
3	35	157.0	20.4
3	38	1.5	23.0
3	38	5.0	23.0
3	38	10.0	22.7
3	38	15.0	22.5
3	38	20.0	22.5
3	38	25.0	22.5
3	38	30.0	22.2
3	38	35.0	21.7
3	38	40.0	21.5
3	38	45.0	21.0
3	38	50.0	20.7
3	38	55.0	20.5
3	38	60.0	20.0
3	38	65.0	19.7
3	38	70.0	19.7
3	38	75.0	19.5
3	38	80.0	19.3
3	38	85.0	19.3
3	38	90.0	19.0
3	38	95.0	19.0
3	38	100.0	19.0
3	38	105.0	18.7
3	38	110.0	18.7
3	38	115.0	18.5
3	38	120.0	18.5
3	38	125.0	18.3
3	38	130.0	18.0
3	38	135.0	17.5
3	38	140.0	17.0
3	38	145.0	16.5
3	38	150.0	16.3

TABLE . SW FLORIDA SHELF ECOSYSTEMS STUDY YEAR II; TEMPERATURE--TRANSMISSOMETER PROFILES (TET) LISTING OF CORRECTED AND VERIFIED DATA.

CRUISE	STATION	DEPTH (M)	TEMPERATURE (C)
3	38	155.0	16.3
3	39	1.5	24.0
3	39	5.0	23.5
3	39	10.0	23.4
3	39	15.0	23.0
3	39	20.0	22.8
3	39	25.0	22.5
3	39	30.0	22.0
3	39	35.0	22.0
3	39	40.0	21.5
3	39	45.0	21.0
3	39	50.0	21.0
3	39	55.0	21.0
3	39	60.0	20.9
3	39	65.0	20.6
3	39	70.0	20.5
3	39	75.0	20.1
3	39	80.0	20.0
3	39	85.0	19.5
3	39	90.0	19.0
3	39	95.0	18.8
3	39	100.0	18.4
3	39	105.0	18.0
3	39	110.0	18.0
3	39	115.0	18.0
3	39	120.0	17.8
3	39	125.0	17.5
3	39	130.0	17.5
3	39	135.0	17.0
3	39	140.0	16.0
3	39	145.0	15.0
3	39	150.0	14.5

NOTE: CRUISE NUMBERS "2" AND "3" REPRESENT THE SUMMER (JULY 16-AUGUST 5, 1981) AND WINTER (JANUARY 28-FEBRUARY 15, 1982) CRUISES, RESPECTIVELY.

TABLE . SW FLORIDA SHELF ECOSYSTEMS STUDY YEAR I; TRANSMISSOMETER READINGS (TRA)
LISTING OF CORRECTED AND VERIFIED DATA.

CRUISE	STATION	DEPTH (M)	TRANSMITTANCE (%)
3	1	1.5	74.0
3	1	5.0	77.0
3	1	10.0	83.0
3	1	15.0	81.0
3	1	20.0	80.0
3	1	22.5	78.0
3	2	1.5	82.0
3	2	5.0	82.0
3	2	10.0	90.0
3	2	15.0	92.0
3	2	20.0	92.0
3	2	23.0	94.0
3	3	1.5	86.0
3	3	5.0	94.5
3	3	10.0	94.5
3	3	15.0	94.2
3	3	20.0	94.0
3	3	25.0	94.0
3	3	30.0	93.5
3	3	35.0	91.5
3	3	40.0	90.0
3	3	45.0	91.5
3	3	49.0	92.0
3	4	1.5	89.0
3	4	5.0	92.0
3	4	10.0	94.0
3	4	15.0	96.0
3	4	20.0	96.0
3	4	25.0	96.0
3	4	30.0	95.0
3	4	35.0	94.0
3	4	40.0	94.0
3	4	45.0	94.0
3	4	50.0	87.0
3	4	53.0	72.0
3	5	1.5	90.0
3	5	5.0	88.0
3	5	10.0	88.0
3	5	15.0	88.0
3	5	20.0	88.0
3	5	25.0	88.0
3	5	30.0	88.0
3	5	35.0	87.0
3	5	40.0	88.0
3	5	45.0	88.0
3	5	50.0	87.0
3	5	55.0	88.0
3	5	60.0	89.0
3	5	65.0	90.0
3	5	70.0	90.0

TABLE . SW FLORIDA SHELF ECOSYSTEMS STUDY YEAR I; TRANSMISSOMETER READINGS (TRA)
LISTING OF CORRECTED AND VERIFIED DATA.

CRUISE	STATION	DEPTH (M)	TRANSMITTANCE (%)
3	5	75.0	90.0
3	5	80.0	90.0
3	5	85.0	87.0
3	5	87.0	86.0
3	6	1.5	68.0
3	6	5.0	68.0
3	6	10.0	68.0
3	6	15.0	68.0
3	6	20.0	68.0
3	6	24.4	68.0
3	7	1.5	77.0
3	7	5.0	78.0
3	7	10.0	78.0
3	7	15.0	77.5
3	7	20.0	78.0
3	7	25.0	78.0
3	7	30.0	78.0
3	8	1.5	
3	8	5.0	
3	8	10.0	
3	8	15.0	
3	8	20.0	
3	8	25.0	
3	9	1.5	84.5
3	9	5.0	82.5
3	9	10.0	85.5
3	9	15.0	87.0
3	9	20.0	87.0
3	9	25.0	87.0
3	9	30.0	87.2
3	9	35.0	87.0
3	9	40.0	87.0
3	9	45.0	86.0
3	9	50.0	83.5
3	9	54.0	83.0
3	10	1.5	90.0
3	10	5.0	95.0
3	10	10.0	94.5
3	10	15.0	95.0
3	10	20.0	95.0
3	10	25.0	95.5
3	10	30.0	95.0
3	10	35.0	92.5
3	10	40.0	90.0
3	10	45.0	90.0
3	10	50.0	92.0
3	10	55.0	92.0
3	10	60.0	88.5
3	10	65.0	83.0
3	10	70.0	83.0

TABLE . SW FLORIDA SHELF ECOSYSTEMS STUDY YEAR I; TRANSMISSOMETER READINGS (TRA)
LISTING OF CORRECTED AND VERIFIED DATA.

CRUISE	STATION	DEPTH (M)	TRANSMITTANCE (%)
3	10	75.0	83.0
3	10	79.0	80.0
3	11	1.5	93.0
3	11	5.0	95.0
3	11	10.0	90.0
3	11	15.0	91.0
3	11	20.0	90.0
3	11	25.0	90.0
3	11	30.0	91.0
3	11	35.0	90.0
3	11	40.0	94.0
3	11	45.0	92.0
3	11	50.0	92.0
3	11	55.0	92.0
3	11	60.0	92.0
3	11	65.0	92.0
3	11	70.0	92.0
3	11	75.0	92.0
3	11	78.0	92.0
3	12	1.5	92.0
3	12	5.0	92.0
3	12	10.0	92.0
3	12	15.0	92.0
3	12	20.0	92.0
3	12	25.0	92.0
3	12	30.0	92.0
3	12	35.0	92.0
3	12	40.0	90.0
3	12	45.0	86.0
3	12	50.0	86.0
3	12	55.0	86.0
3	12	60.0	86.0
3	12	65.0	87.0
3	12	70.0	88.0
3	12	75.0	86.0
3	12	80.0	86.0
3	12	85.0	82.0
3	12	86.0	81.0
3	13	1.5	60.0
3	13	5.0	61.0
3	13	10.0	61.0
3	13	15.0	62.0
3	13	19.5	62.0
3	14	1.5	78.0
3	14	5.0	78.0
3	14	10.0	77.0
3	14	15.0	77.0
3	14	20.0	77.0
3	14	25.0	77.0
3	15	1.5	73.0

TABLE . SW FLORIDA SHELF ECOSYSTEMS STUDY YEAR I; TRANSMISSOMETER READINGS (TRA)
LISTING OF CORRECTED AND VERIFIED DATA.

CRUISE	STATION	DEPTH (M)	TRANSMITTANCE (%)
3	15	5.0	73.0
3	15	10.0	73.0
3	15	15.0	73.0
3	15	20.0	73.0
3	15	25.0	73.0
3	15	30.0	73.0
3	15	30.5	73.0
3	16	1.5	87.0
3	16	5.0	89.0
3	16	10.0	89.0
3	16	15.0	85.5
3	16	20.0	86.0
3	16	25.0	86.0
3	16	30.0	87.0
3	16	35.0	89.5
3	16	40.0	85.0
3	16	45.0	85.0
3	16	50.0	82.0
3	16	53.0	90.0
3	17	1.5	83.0
3	17	5.0	84.5
3	17	10.0	87.0
3	17	15.0	88.0
3	17	20.0	82.0
3	17	25.0	80.0
3	17	30.0	80.5
3	17	35.0	79.0
3	17	40.0	77.0
3	17	45.0	80.0
3	17	50.0	82.0
3	17	55.0	80.0
3	17	58.0	73.0
3	18	1.5	81.0
3	18	5.0	81.0
3	18	10.0	81.0
3	18	15.0	81.0
3	18	20.0	81.0
3	18	25.0	81.0
3	18	30.0	81.0
3	18	35.0	81.0
3	18	40.0	83.5
3	18	45.0	83.0
3	18	50.0	83.0
3	18	55.0	84.0
3	18	60.0	83.0
3	18	65.0	80.0
3	18	70.0	80.0
3	18	75.0	79.0
3	18	80.0	79.5
3	18	85.0	79.0

TABLE . SW FLORIDA SHELF ECOSYSTEMS STUDY YEAR I; TRANSMISSOMETER READINGS (TRA)
LISTING OF CORRECTED AND VERIFIED DATA.

CRUISE	STATION	DEPTH (M)	TRANSMITTANCE (%)
3	19	1.5	74.0
3	19	5.0	74.0
3	19	10.0	74.0
3	19	15.0	74.0
3	19	20.0	74.0
3	19	21.0	74.0
3	20	1.5	73.0
3	20	5.0	73.0
3	20	10.0	74.0
3	20	15.0	74.0
3	20	20.0	74.0
3	20	21.4	74.0
3	21	1.5	84.0
3	21	5.0	84.0
3	21	10.0	85.0
3	21	15.0	85.0
3	21	20.0	83.0
3	21	25.0	83.0
3	21	30.0	82.0
3	21	35.0	82.0
3	21	40.0	81.0
3	21	44.0	80.5
3	22	1.5	90.0
3	22	5.0	89.0
3	22	10.0	88.0
3	22	15.0	88.0
3	22	20.0	88.0
3	22	25.0	87.0
3	22	30.0	87.0
3	22	35.0	87.0
3	22	40.0	87.0
3	22	45.0	87.0
3	22	50.3	86.0
3	23	1.5	90.0
3	23	5.0	90.0
3	23	10.0	90.0
3	23	15.0	90.0
3	23	20.0	90.0
3	23	25.0	90.0
3	23	30.0	90.0
3	23	35.0	90.0
3	23	40.0	90.0
3	23	45.0	89.0
3	23	50.0	87.0
3	23	55.0	88.0
3	23	60.0	89.0
3	23	65.0	90.0
3	23	68.6	88.0
3	24	1.5	91.0
3	24	5.0	90.0

TABLE . SW FLORIDA SHELF ECOSYSTEMS STUDY YEAR I; TRANSMISSOMETER READINGS (TRA)
LISTING OF CORRECTED AND VERIFIED DATA.

CRUISE	STATION	DEPTH (M)	TRANSMITTANCE (%)
3	24	10.0	90.0
3	24	15.0	89.0
3	24	20.0	89.0
3	24	25.0	89.0
3	24	30.0	84.0
3	24	35.0	84.0
3	24	40.0	84.0
3	24	45.0	83.0
3	24	50.0	83.0
3	24	55.0	82.0
3	24	60.0	83.0
3	24	65.0	84.0
3	24	70.0	84.0
3	24	75.0	83.0
3	24	80.0	83.0
3	24	85.0	83.0
3	24	87.5	84.0
3	25	1.5	83.0
3	25	5.0	83.5
3	25	10.0	83.0
3	25	15.0	82.0
3	25	20.0	60.0
3	25	24.0	43.0
3	26	1.5	80.0
3	26	5.0	80.0
3	26	10.0	81.0
3	26	15.0	81.0
3	26	20.0	81.0
3	26	25.0	81.0
3	26	30.0	81.0
3	26	35.0	81.0
3	26	37.2	81.0
3	27	1.5	89.0
3	27	5.0	91.0
3	27	10.0	89.5
3	27	15.0	90.0
3	27	20.0	91.0
3	27	25.0	90.5
3	27	30.0	90.0
3	27	35.0	90.0
3	27	40.0	88.0
3	27	45.0	88.0
3	27	50.0	85.0
3	27	53.0	84.0
3	28	1.5	93.0
3	28	5.0	93.0
3	28	10.0	93.0
3	28	15.0	93.0
3	28	20.0	93.0
3	28	25.0	94.0

TABLE . SW FLORIDA SHELF ECOSYSTEMS STUDY YEAR I; TRANSMISSOMETER READINGS (TRA)
LISTING OF CORRECTED AND VERIFIED DATA.

CRUISE	STATION	DEPTH (M)	TRANSMITTANCE (%)
3	28	30.0	95.0
3	28	35.0	94.0
3	28	40.0	94.0
3	28	45.0	94.0
3	28	50.0	94.0
3	28	55.0	91.0
3	28	57.3	89.0
3	29	1.5	86.0
3	29	5.0	87.0
3	29	10.0	87.5
3	29	15.0	87.5
3	29	20.0	88.0
3	29	25.0	88.0
3	29	30.0	87.0
3	29	35.0	88.5
3	29	40.0	88.0
3	29	45.0	88.0
3	29	50.0	88.0
3	29	55.0	88.0
3	29	60.0	88.5
3	29	61.5	88.5
3	30	1.5	90.0
3	30	5.0	91.0
3	30	10.0	91.0
3	30	15.0	91.0
3	30	20.0	90.0
3	30	25.0	91.0
3	30	30.0	91.0
3	30	35.0	90.0
3	30	40.0	88.0
3	30	45.0	89.0
3	30	50.0	89.0
3	30	55.0	88.0
3	30	60.0	89.0
3	30	65.0	90.0
3	30	70.0	90.0
3	30	75.3	89.0
3	30	80.0	85.0
4	1	1.5	94.0
4	1	5.0	93.0
4	1	10.0	94.5
4	1	15.0	94.5
4	1	20.0	90.5
4	1	22.0	90.0
4	2	1.5	92.0
4	2	5.0	92.2
4	2	10.0	92.2
4	2	15.0	92.5
4	2	20.0	90.0
4	2	23.2	88.2

TABLE . SW FLORIDA SHELF ECOSYSTEMS STUDY YEAR I; TRANSMISSOMETER READINGS (TRA)
LISTING OF CORRECTED AND VERIFIED DATA.

CRUISE	STATION	DEPTH (M)	TRANSMITTANCE (%)
4	3	1.5	92.0
4	3	5.0	92.5
4	3	10.0	93.0
4	3	15.0	94.0
4	3	20.0	94.0
4	3	25.0	93.5
4	3	30.0	93.5
4	3	35.0	93.0
4	3	40.0	92.5
4	3	45.0	90.0
4	3	48.8	86.5
4	4	1.5	93.0
4	4	5.0	92.5
4	4	10.0	93.0
4	4	15.0	94.0
4	4	20.0	94.5
4	4	25.0	94.5
4	4	30.0	94.0
4	4	35.0	94.5
4	4	40.0	94.0
4	4	45.0	90.5
4	4	50.0	89.0
4	4	54.3	87.5
4	5	1.5	92.0
4	5	5.0	92.0
4	5	10.0	92.0
4	5	15.0	92.0
4	5	20.0	92.2
4	5	25.0	92.2
4	5	30.0	91.8
4	5	35.0	92.0
4	5	40.0	92.1
4	5	45.0	92.1
4	5	50.0	92.4
4	5	55.0	92.5
4	5	60.0	92.5
4	5	65.0	92.1
4	5	70.0	92.5
4	5	75.0	92.5
4	5	80.0	91.0
4	5	85.0	91.0
4	5	89.3	92.0
4	6	1.5	93.0
4	6	5.0	94.0
4	6	10.0	94.0
4	6	15.0	94.5
4	6	20.0	93.0
4	6	25.0	90.5
4	7	1.5	92.0
4	7	5.0	92.0

TABLE . SW FLORIDA SHELF ECOSYSTEMS STUDY YEAR I; TRANSMISSOMETER READINGS (TRA)
LISTING OF CORRECTED AND VERIFIED DATA.

CRUISE	STATION	DEPTH (M)	TRANSMITTANCE (%)
4	7	10.0	92.0
4	7	15.0	93.0
4	7	20.0	93.6
4	7	25.0	90.0
4	7	29.0	89.5
4	8	1.5	90.5
4	8	5.0	90.5
4	8	10.0	90.0
4	8	15.0	92.0
4	8	20.0	92.5
4	8	25.0	91.5
4	8	30.0	89.5
4	8	35.0	88.0
4	8	40.0	88.0
4	8	45.0	88.0
4	8	47.0	88.0
4	9	1.5	92.5
4	9	5.0	92.5
4	9	10.0	93.0
4	9	15.0	93.0
4	9	20.0	93.5
4	9	25.0	94.0
4	9	30.0	94.0
4	9	35.0	94.0
4	9	40.0	94.0
4	9	45.0	92.0
4	9	50.0	91.5
4	9	54.5	91.0
4	10	1.5	92.5
4	10	5.0	92.5
4	10	10.0	93.0
4	10	15.0	93.5
4	10	20.0	95.5
4	10	25.0	96.0
4	10	30.0	96.5
4	10	35.0	96.0
4	10	40.0	95.5
4	10	45.0	95.5
4	10	50.0	95.0
4	10	55.0	95.0
4	10	60.0	94.5
4	10	65.0	93.5
4	10	69.8	92.5
4	11	1.5	96.0
4	11	5.0	96.0
4	11	10.0	96.0
4	11	15.0	96.5
4	11	20.0	96.0
4	11	25.0	96.0
4	11	30.0	96.5

TABLE . SW FLORIDA SHELF ECOSYSTEMS STUDY YEAR I; TRANSMISSOMETER READINGS (TRA)
LISTING OF CORRECTED AND VERIFIED DATA.

CRUISE	STATION	DEPTH (M)	TRANSMITTANCE (%)
4	11	35.0	96.0
4	11	40.0	95.5
4	11	45.0	95.0
4	11	50.0	95.5
4	11	55.0	96.0
4	11	60.0	95.0
4	11	65.0	94.5
4	11	70.0	94.5
4	11	75.0	94.5
4	11	76.2	94.0
4	12	1.5	96.0
4	12	5.0	94.5
4	12	10.0	95.0
4	12	15.0	95.5
4	12	20.0	95.5
4	12	25.0	95.5
4	12	30.0	95.0
4	12	35.0	94.5
4	12	40.0	95.5
4	12	45.0	94.5
4	12	50.0	94.5
4	12	55.0	94.5
4	12	60.0	94.0
4	12	65.0	92.1
4	12	70.0	92.1
4	12	75.0	92.0
4	12	80.0	92.0
4	12	85.0	92.0
4	12	88.7	89.9
4	13	1.5	87.0
4	13	5.0	87.5
4	13	10.0	88.0
4	13	15.0	84.5
4	13	18.3	81.5
4	14	1.5	92.0
4	14	5.0	92.0
4	14	10.0	92.0
4	14	15.0	92.0
4	14	20.0	91.0
4	14	24.5	88.5
4	15	1.5	92.5
4	15	5.0	93.5
4	15	10.0	93.0
4	15	15.0	92.5
4	15	20.0	93.0
4	15	25.0	93.0
4	15	29.5	86.5
4	16	1.5	90.0
4	16	5.0	90.0
4	16	10.0	91.0

TABLE . SW FLORIDA SHELF ECOSYSTEMS STUDY YEAR I; TRANSMISSOMETER READINGS (TRA)
LISTING OF CORRECTED AND VERIFIED DATA.

CRUISE	STATION	DEPTH (M)	TRANSMITTANCE (%)
4	16	15.0	93.5
4	16	20.0	95.5
4	16	25.0	95.5
4	16	30.0	95.5
4	16	35.0	94.0
4	16	40.0	92.5
4	16	45.0	91.0
4	16	50.0	91.0
4	16	52.4	91.0
4	17	1.5	94.5
4	17	5.0	94.5
4	17	10.0	94.5
4	17	15.0	94.5
4	17	20.0	96.0
4	17	25.0	96.0
4	17	30.0	96.0
4	17	35.0	93.0
4	17	40.0	93.0
4	17	45.0	93.0
4	17	50.0	90.5
4	17	55.0	90.0
4	17	57.0	90.0
4	18	1.5	96.0
4	18	5.0	96.0
4	18	10.0	96.0
4	18	15.0	96.0
4	18	20.0	96.0
4	18	25.0	96.0
4	18	30.0	96.0
4	18	35.0	96.0
4	18	40.0	95.5
4	18	45.0	95.5
4	18	50.0	95.0
4	18	55.0	95.0
4	18	60.0	95.0
4	18	65.0	92.5
4	18	70.0	92.5
4	18	75.0	93.5
4	18	80.0	93.5
4	18	85.1	92.5
4	19	1.5	91.5
4	19	5.0	91.0
4	19	10.0	91.0
4	19	15.0	87.0
4	19	20.0	79.0
4	19	21.0	78.5
4	20	1.5	89.5
4	20	5.0	89.5
4	20	10.0	90.0
4	20	15.0	90.0

TABLE . SW FLORIDA SHELF ECOSYSTEMS STUDY YEAR I; TRANSMISSOMETER READINGS (TRA)
LISTING OF CORRECTED AND VERIFIED DATA.

CRUISE	STATION	DEPTH (M)	TRANSMITTANCE (%)
4	20	20.0	79.5
4	20	21.0	79.0
4	21	1.5	92.0
4	21	5.0	93.5
4	21	10.0	94.0
4	21	15.0	95.0
4	21	20.0	95.0
4	21	25.0	95.0
4	21	30.0	95.0
4	21	35.0	94.5
4	21	40.0	91.5
4	21	43.0	90.0
4	22	1.5	99.0
4	22	5.0	98.0
4	22	10.0	97.0
4	22	15.0	96.5
4	22	20.0	96.5
4	22	25.0	95.5
4	22	30.0	95.0
4	22	35.0	94.0
4	22	40.0	92.5
4	22	45.0	88.5
4	22	50.0	86.5
4	22	51.2	86.5
4	23	1.5	91.0
4	23	5.0	92.0
4	23	10.0	94.0
4	23	15.0	94.0
4	23	20.0	94.0
4	23	25.0	94.0
4	23	30.0	94.0
4	23	35.0	93.0
4	23	40.0	92.0
4	23	45.0	92.0
4	23	50.0	91.0
4	23	55.0	91.0
4	23	60.0	90.0
4	23	65.0	90.0
4	23	68.5	90.0
4	24	1.5	87.0
4	24	5.0	88.0
4	24	10.0	90.5
4	24	15.0	92.0
4	24	20.0	92.0
4	24	25.0	93.0
4	24	30.0	92.0
4	24	35.0	91.5
4	24	40.0	91.0
4	24	45.0	91.0
4	24	50.0	91.0

TABLE . SW FLORIDA SHELF ECOSYSTEMS STUDY YEAR I; TRANSMISSOMETER READINGS (TRA)
LISTING OF CORRECTED AND VERIFIED DATA.

CRUISE	STATION	DEPTH (M)	TRANSMITTANCE (%)
4	24	55.0	91.0
4	24	60.0	91.0
4	24	65.0	90.5
4	24	70.0	88.5
4	24	75.0	88.0
4	24	80.0	87.5
4	24	85.0	87.0
4	24	86.9	86.5
4	25	1.5	92.0
4	25	5.0	91.5
4	25	10.0	90.0
4	25	15.0	54.0
4	25	20.0	45.5
4	25	22.5	40.0
4	26	1.5	92.0
4	26	5.0	94.0
4	26	10.0	94.0
4	26	15.0	95.0
4	26	20.0	98.0
4	26	25.0	98.0
4	26	30.0	98.0
4	26	35.0	91.0
4	26	36.6	88.0
4	27	1.5	86.5
4	27	5.0	86.0
4	27	10.0	84.0
4	27	15.0	83.0
4	27	20.0	81.0
4	27	25.0	81.0
4	27	30.0	79.5
4	27	35.0	78.0
4	27	40.0	77.5
4	27	45.0	73.5
4	27	50.0	70.0
4	27	51.5	69.5
4	28	1.5	92.0
4	28	5.0	92.0
4	28	10.0	91.0
4	28	15.0	88.1
4	28	20.0	87.2
4	28	25.0	87.0
4	28	30.0	86.0
4	28	35.0	85.5
4	28	40.0	84.5
4	28	45.0	83.0
4	28	50.0	81.0
4	28	55.0	81.0
4	28	56.5	81.0
4	29	1.5	95.0
4	29	5.0	94.5

TABLE . SW FLORIDA SHELF ECOSYSTEMS STUDY YEAR I; TRANSMISSOMETER READINGS (TRA) LISTING OF CORRECTED AND VERIFIED DATA.

CRUISE	STATION	DEPTH (M)	TRANSMITTANCE (%)
4	29	10.0	94.0
4	29	15.0	91.5
4	29	20.0	88.0
4	29	25.0	86.0
4	29	30.0	84.0
4	29	35.0	86.5
4	29	40.0	87.5
4	29	45.0	88.0
4	29	50.0	89.0
4	29	55.0	90.0
4	29	60.0	90.0
4	30	1.5	94.0
4	30	5.0	94.0
4	30	10.0	93.0
4	30	15.0	92.0
4	30	20.0	89.0
4	30	25.0	88.0
4	30	30.0	86.0
4	30	35.0	85.0
4	30	40.0	84.0
4	30	45.0	84.0
4	30	50.0	84.0
4	30	55.0	84.0
4	30	60.0	81.0
4	30	65.0	82.0
4	30	70.0	83.0
4	30	74.5	87.0

NOTE: CRUISE NUMBERS "3" AND "4" REPRESENT THE FALL (OCTOBER 25-NOVEMBER 23, 1980) AND SPRING (APRIL 22-MAY 5, 1981) CRUISES, RESPECTIVELY.

TABLE . SW FLORIDA SHELF ECOSYSTEMS STUDY YEAR II; TRANSMISSOMETER READINGS (TRA)
LISTING OF CORRECTED AND VERIFIED DATA.

CRUISE	STATION	DEPTH (M)	TRANSMITTANCE (%)
2	01	1.5	90.2
2	01	5.0	90.0
2	01	10.0	88.5
2	01	15.0	88.0
2	01	20.0	87.5
2	01	23.5	87.0
2	04	1.5	94.5
2	04	5.0	94.5
2	04	10.0	94.5
2	04	15.0	94.5
2	04	20.0	94.5
2	04	25.0	94.5
2	04	30.0	94.5
2	04	35.0	94.5
2	04	40.0	94.5
2	04	45.0	94.5
2	04	50.0	91.0
2	04	55.0	91.0
2	04	57.0	91.0
2	06	1.5	88.5
2	06	5.0	88.5
2	06	10.0	87.5
2	06	15.0	90.0
2	06	20.0	91.5
2	06	24.5	88.5
2	09	1.5	95.5
2	09	5.0	96.0
2	09	10.0	95.0
2	09	15.0	93.0
2	09	20.0	93.0
2	09	25.0	93.0
2	09	30.0	93.0
2	09	35.0	92.5
2	09	40.0	91.5
2	09	45.0	90.0
2	09	50.0	89.0
2	09	55.0	89.0
2	09	58.0	88.5
2	13	1.5	87.0
2	13	5.0	88.0
2	13	10.0	89.0
2	13	15.0	89.5
2	13	20.0	89.5
2	13	20.5	89.5
2	16	1.5	92.0
2	16	5.0	92.5
2	16	10.0	92.5
2	16	15.0	92.5
2	16	20.0	92.5
2	16	25.0	92.0

TABLE . SW FLORIDA SHELF ECOSYSTEMS STUDY YEAR II; TRANSMISSOMETER READINGS (TRA)
LISTING OF CORRECTED AND VERIFIED DATA.

CRUISE	STATION	DEPTH (M)	TRANSMITTANCE (%)
2	16	30.0	92.5
2	16	35.0	92.5
2	16	40.0	92.0
2	16	45.0	92.0
2	16	50.0	90.0
2	16	55.0	89.5
2	16	57.0	89.0
2	22	1.5	93.0
2	22	5.0	93.0
2	22	10.0	93.0
2	22	15.0	93.0
2	22	20.0	92.5
2	22	25.0	93.0
2	22	30.0	93.0
2	22	35.0	92.5
2	22	40.0	92.5
2	22	45.0	90.0
2	22	50.0	87.0
2	22	52.0	87.0
2	25	1.5	92.5
2	25	5.0	91.0
2	25	10.0	90.0
2	25	15.0	87.0
2	25	20.0	87.0
2	25	23.5	87.0
2	28	1.5	95.0
2	28	5.0	94.0
2	28	10.0	95.0
2	28	15.0	95.0
2	28	20.0	95.0
2	28	25.0	94.0
2	28	30.0	94.0
2	28	35.0	94.0
2	28	40.0	94.0
2	28	45.0	93.0
2	28	50.0	91.0
2	28	55.0	90.0
2	28	57.0	90.0
2	31	1.5	93.0
2	31	5.0	93.0
2	31	10.0	93.0
2	31	15.0	93.0
2	31	20.0	93.0
2	31	25.0	93.0
2	31	30.0	93.0
2	31	35.0	93.0
2	31	40.0	93.1
2	31	45.0	93.0
2	31	50.0	93.0
2	31	55.0	93.2

TABLE . SW FLORIDA SHELF ECOSYSTEMS STUDY YEAR II; TRANSMISSOMETER READINGS (TRA) LISTING OF CORRECTED AND VERIFIED DATA.

CRUISE	STATION	DEPTH (M)	TRANSMITTANCE (%)
2	31	60.0	93.2
2	31	65.0	92.5
2	31	70.0	92.5
2	31	75.0	92.5
2	31	80.0	92.5
2	31	85.0	92.5
2	31	90.0	92.5
2	31	95.0	92.5
2	31	100.0	93.0
2	31	105.0	93.2
2	31	110.0	93.0
2	31	115.0	93.0
2	31	120.0	93.0
2	31	125.0	93.0
2	31	130.0	93.0
2	31	135.0	92.7
2	31	140.0	92.2
2	31	141.5	92.0
2	33	1.5	92.0
2	33	5.0	93.0
2	33	10.0	93.0
2	33	15.0	93.0
2	33	20.0	93.0
2	33	25.0	93.0
2	33	30.0	93.0
2	33	35.0	93.0
2	33	40.0	93.0
2	33	45.0	93.0
2	33	50.0	93.0
2	33	55.0	93.0
2	33	60.0	93.0
2	33	65.0	93.0
2	33	70.0	93.0
2	33	75.0	92.0
2	33	80.0	92.0
2	33	85.0	92.0
2	33	90.0	93.0
2	33	95.0	93.0
2	33	100.0	93.0
2	33	105.0	94.0
2	33	110.0	94.0
2	33	115.0	94.0
2	33	120.0	94.0
2	33	125.0	94.0
2	33	130.0	94.0
2	33	135.0	94.0
2	33	140.0	93.0
2	33	144.0	88.0
2	35	1.5	93.0
2	35	5.0	93.0

TABLE . SW FLORIDA SHELF ECOSYSTEMS STUDY YEAR II; TRANSMISSOMETER READINGS (TRA)
LISTING OF CORRECTED AND VERIFIED DATA.

CRUISE	STATION	DEPTH (M)	TRANSMITTANCE (%)
2	35	10.0	93.0
2	35	15.0	93.5
2	35	20.0	93.0
2	35	25.0	93.0
2	35	30.0	93.0
2	35	35.0	92.5
2	35	40.0	92.0
2	35	45.0	90.0
2	35	50.0	91.0
2	35	55.0	90.5
2	35	60.0	91.5
2	35	65.0	92.0
2	35	70.0	92.0
2	35	75.0	92.5
2	35	80.0	93.0
2	35	85.0	93.5
2	35	90.0	93.0
2	35	95.0	94.0
2	35	100.0	94.0
2	35	105.0	94.5
2	35	110.0	94.0
2	35	115.0	94.5
2	35	120.0	94.5
2	35	125.0	94.5
2	35	130.0	94.5
2	35	135.0	94.0
2	35	140.0	94.5
2	35	145.0	94.5
2	35	150.0	94.5
2	35	155.0	94.5
2	35	157.5	94.0
2	38	1.5	92.0
2	38	5.0	93.0
2	38	10.0	93.0
2	38	15.0	93.0
2	38	20.0	93.0
2	38	25.0	93.0
2	38	30.0	92.8
2	38	35.0	92.8
2	38	40.0	92.2
2	38	45.0	93.0
2	38	50.0	92.2
2	38	55.0	92.0
2	38	60.0	92.0
2	38	65.0	92.2
2	38	70.0	92.4
2	38	75.0	93.0
2	38	80.0	92.1
2	38	85.0	93.0
2	38	90.0	93.0

TABLE . SW FLORIDA SHELF ECOSYSTEMS STUDY YEAR II; TRANSMISSOMETER READINGS (TRA)
LISTING OF CORRECTED AND VERIFIED DATA.

CRUISE	STATION	DEPTH (M)	TRANSMITTANCE (%)
2	38	95.0	93.0
2	38	100.0	94.0
2	38	105.0	94.0
2	38	110.0	94.1
2	38	115.0	94.1
2	38	120.0	95.0
2	38	125.0	95.0
2	38	130.0	95.0
2	38	135.0	95.0
2	38	140.0	95.0
2	38	145.0	95.0
2	38	150.0	95.0
2	38	153.0	94.0
2	39	1.5	96.0
2	39	5.0	96.2
2	39	10.0	96.2
2	39	15.0	96.2
2	39	20.0	96.0
2	39	25.0	96.0
2	39	30.0	95.0
2	39	35.0	95.0
2	39	40.0	95.0
2	39	45.0	94.0
2	39	50.0	94.0
2	39	55.0	93.0
2	39	60.0	93.0
2	39	65.0	93.0
2	39	70.0	93.0
2	39	75.0	94.0
2	39	80.0	94.0
2	39	85.0	94.2
2	39	90.0	94.2
2	39	95.0	94.0
2	39	100.0	94.3
2	39	105.0	94.3
2	39	110.0	95.0
2	39	115.0	95.6
2	39	120.0	96.0
2	39	125.0	96.0
2	39	130.0	95.6
2	39	135.0	95.0
2	39	140.0	95.0
2	39	145.0	95.0
2	39	150.0	92.3
3	01	1.5	93.0
3	01	5.0	92.5
3	01	10.0	93.0
3	01	15.0	92.5
3	01	20.0	91.0
3	01	24.0	85.0

TABLE . SW FLORIDA SHELF ECOSYSTEMS STUDY YEAR II; TRANSMISSOMETER READINGS (TRA)
LISTING OF CORRECTED AND VERIFIED DATA.

CRUISE	STATION	DEPTH (M)	TRANSMITTANCE (%)
3	04	1.5	88.0
3	04	5.0	90.0
3	04	10.0	90.0
3	04	15.0	90.0
3	04	20.0	89.0
3	04	25.0	89.0
3	04	30.0	89.5
3	04	35.0	89.0
3	04	40.0	90.0
3	04	45.0	89.5
3	04	50.0	87.5
3	04	55.0	86.0
3	04	57.0	86.0
3	06		
3	09	5.0	92.0
3	09	10.0	92.5
3	09	15.0	93.0
3	09	20.0	93.5
3	09	25.0	93.5
3	09	30.0	92.0
3	09	35.0	91.0
3	09	40.0	92.0
3	09	45.0	92.0
3	09	50.0	92.0
3	09	55.0	91.0
3	09	60.0	91.0
3	09	65.0	92.0
3	13	1.5	91.0
3	13	5.0	91.0
3	13	10.0	90.0
3	13	15.0	90.0
3	13	20.0	90.0
3	16	1.5	85.0
3	16	5.0	90.5
3	16	10.0	90.5
3	16	15.0	90.5
3	16	20.0	91.0
3	16	25.0	91.0
3	16	30.0	95.0
3	16	35.0	93.5
3	16	40.0	94.0
3	16	45.0	93.5
3	16	50.0	93.5
3	16	55.0	92.0
3	16	57.5	92.0
3	20	1.5	88.0
3	20	5.0	88.2
3	20	10.0	88.2
3	20	15.0	88.0
3	20	20.0	88.0

TABLE . SW FLORIDA SHELF ECOSYSTEMS STUDY YEAR II; TRANSMISSOMETER READINGS (TRA) LISTING OF CORRECTED AND VERIFIED DATA.

CRUISE	STATION	DEPTH (M)	TRANSMITTANCE (%)
3	22	1.5	90.0
3	22	5.0	90.0
3	22	10.0	90.0
3	22	15.0	91.0
3	22	20.0	92.0
3	22	25.0	92.0
3	22	30.0	92.0
3	22	35.0	90.0
3	22	40.0	89.0
3	22	45.0	88.0
3	22	50.0	88.0
3	25	1.5	88.0
3	25	5.0	89.0
3	25	10.0	92.0
3	25	15.0	91.5
3	25	20.0	89.0
3	25	23.1	75.0
3	28	1.5	92.0
3	28	5.0	92.5
3	28	10.0	94.0
3	28	15.0	95.0
3	28	20.0	96.0
3	28	25.0	95.0
3	28	30.0	95.0
3	28	35.0	93.5
3	28	40.0	94.0
3	28	45.0	93.0
3	28	50.0	89.5
3	28	55.0	89.0
3	28	60.0	89.0
3	28	62.8	88.0
3	31	1.5	88.9
3	31	5.0	88.9
3	31	10.0	88.0
3	31	15.0	88.0
3	31	20.0	88.2
3	31	25.0	88.8
3	31	30.0	88.9
3	31	35.0	92.0
3	31	40.0	87.9
3	31	45.0	87.9
3	31	50.0	88.0
3	31	55.0	88.0
3	31	60.0	88.2
3	31	65.0	86.0
3	31	70.0	88.0
3	31	75.0	87.9
3	31	80.0	88.9
3	31	85.0	88.8
3	31	90.0	88.0

TABLE . SW FLORIDA SHELF ECOSYSTEMS STUDY YEAR II; TRANSMISSOMETER READINGS (TRA) LISTING OF CORRECTED AND VERIFIED DATA.

CRUISE	STATION	DEPTH (M)	TRANSMITTANCE (%)
3	31	95.0	88.0
3	31	100.0	88.2
3	31	105.0	88.2
3	31	110.0	88.2
3	31	115.0	87.9
3	31	120.0	88.2
3	31	125.0	88.2
3	31	130.0	88.2
3	31	135.0	88.2
3	31	140.0	88.0
3	33	1.5	91.5
3	33	5.0	90.5
3	33	10.0	95.0
3	33	15.0	95.0
3	33	20.0	95.0
3	33	25.0	95.0
3	33	30.0	95.5
3	33	35.0	95.0
3	33	40.0	94.5
3	33	45.0	92.0
3	33	50.0	93.0
3	33	55.0	94.5
3	33	60.0	95.0
3	33	65.0	95.5
3	33	70.0	96.5
3	33	75.0	92.0
3	33	80.0	92.0
3	33	85.0	92.0
3	33	90.0	92.5
3	33	95.0	91.5
3	33	100.0	92.5
3	33	105.0	97.0
3	33	110.0	97.0
3	33	115.0	97.5
3	33	120.0	95.5
3	33	125.0	93.0
3	33	130.0	92.0
3	33	135.0	92.0
3	33	140.0	68.0
3	35	1.5	94.0
3	35	5.0	94.5
3	35	10.0	93.0
3	35	15.0	94.0
3	35	20.0	94.0
3	35	25.0	94.0
3	35	30.0	91.0
3	35	35.0	91.0
3	35	40.0	90.5
3	35	45.0	90.0
3	35	50.0	90.0

TABLE . SW FLORIDA SHELF ECOSYSTEMS STUDY YEAR II; TRANSMISSOMETER READINGS (TRA) LISTING OF CORRECTED AND VERIFIED DATA.

CRUISE	STATION	DEPTH (M)	TRANSMITTANCE (%)
3	35	55.0	90.0
3	35	60.0	90.0
3	35	65.0	89.5
3	35	70.0	90.0
3	35	75.0	89.5
3	35	80.0	89.5
3	35	85.0	89.0
3	35	90.0	87.0
3	35	95.0	87.0
3	35	100.0	87.0
3	35	105.0	85.5
3	35	110.0	86.0
3	35	115.0	85.5
3	35	120.0	85.5
3	35	125.0	86.5
3	35	130.0	87.0
3	35	135.0	86.5
3	35	140.0	87.0
3	35	145.0	86.0
3	35	150.0	90.0
3	35	155.0	90.0
3	35	157.0	90.0
3	38	1.5	92.0
3	38	5.0	93.0
3	38	10.0	93.5
3	38	15.0	93.0
3	38	20.0	94.0
3	38	25.0	94.0
3	38	30.0	94.0
3	38	35.0	94.0
3	38	40.0	93.0
3	38	45.0	93.0
3	38	50.0	93.0
3	38	55.0	93.0
3	38	60.0	94.0
3	38	65.0	94.0
3	38	70.0	94.0
3	38	75.0	94.0
3	38	80.0	95.0
3	38	85.0	96.0
3	38	90.0	96.0
3	38	95.0	96.0
3	38	100.0	96.0
3	38	105.0	96.0
3	38	110.0	96.0
3	38	115.0	96.0
3	38	120.0	96.0
3	38	125.0	96.0
3	38	130.0	95.0
3	38	135.0	94.0

TABLE . SW FLORIDA SHELF ECOSYSTEMS STUDY YEAR II; TRANSMISSOMETER READINGS (TRA) LISTING OF CORRECTED AND VERIFIED DATA.

CRUISE	STATION	DEPTH (M)	TRANSMITTANCE (%)
3	38	140.0	91.0
3	38	145.0	90.0
3	38	150.0	89.0
3	38	155.0	89.0
3	39	1.5	88.0
3	39	5.0	88.0
3	39	10.0	88.0
3	39	15.0	88.8
3	39	20.0	82.0
3	39	25.0	94.0
3	39	30.0	94.0
3	39	35.0	93.0
3	39	40.0	93.0
3	39	45.0	94.0
3	39	50.0	94.0
3	39	55.0	93.0
3	39	60.0	93.8
3	39	65.0	93.8
3	39	70.0	92.0
3	39	75.0	91.0
3	39	80.0	91.0
3	39	85.0	91.0
3	39	90.0	91.8
3	39	95.0	91.9
3	39	100.0	92.0
3	39	105.0	92.0
3	39	110.0	91.9
3	39	115.0	91.8
3	39	120.0	88.8
3	39	125.0	90.0
3	39	130.0	94.0
3	39	135.0	94.0
3	39	140.0	94.0
3	39	145.0	94.0
3	39	150.0	92.0

NOTE: CRUISE NUMBERS "2" AND "3" REPRESENT THE SUMMER (JULY 16-AUGUST 5, 1981) AND WINTER (JANUARY 28-FEBRUARY 15, 1982) CRUISES, RESPECTIVELY.

Year I Yellow Substance Data

Yellow substance data (obtained only during the Year I program) have been ommitted here. Values obtained were so near the limits of detection for the instruments used, that they could not be measured accurately.

Year I and Year II Photometer Data

Photometer data have been ommitted here. Very little of the data was considered to be "good data" due to instrument problems. The acceptable data that were obtained are presented and discussed in Section 4.0 of the main report.

APPENDIX A.5

SEDIMENT DATA

TABLE . SW FLORIDA SHELF ECOSYSTEMS STUDY YEAR I; SURFICIAL SEDIMENT GRAIN SIZE DISTRIBUTIONS, FALL CRUISE (YEAR I). PART A: GRAIN SIZE RANGE = > 4.00 TO 0.063 MM. LISTINGS REPRESENT PERCENTAGES OF EACH SAMPLE WHICH HAD GRAIN SIZES WITHIN DESIGNATED SIZE CATEGORIES.

CRUISE	STATION	REPLICATE	>4.00MM	2.00-4.00MM	1.00-2.00MM	0.50-1.00MM	0.25-0.50MM	0.125-0.25MM	0.063-0.125MM
3	02	A	0.04	0.39	2.17	2.84	10.73	61.00	18.32
3	02	B	0.37	1.54	4.83	6.32	21.12	51.69	9.90
3	02	C	9.92	15.64	22.06	24.52	12.99	8.65	2.41
3	02	D	5.74	14.05	36.21	29.85	7.59	3.88	0.87
3	02	E	0.02	1.53	10.55	22.30	38.52	23.85	1.58
3	04	A	0.41	2.93	19.32	25.59	25.85	12.26	3.82
3	04	B	0.26	4.12	23.38	28.88	26.67	5.56	2.05
3	04	C	0.00	3.76	23.04	31.12	28.49	5.21	1.68
3	04	D	0.00	3.12	18.53	30.30	29.63	6.73	2.32
3	04	E	0.10	1.21	14.28	34.51	33.42	7.47	2.43
3	05	A	0.22	3.79	23.41	26.82	25.51	9.82	4.30
3	05	B	0.86	3.01	20.88	26.94	27.54	10.38	4.82
3	05	C	0.48	2.94	20.72	26.44	29.18	9.98	4.10
3	05	D	0.28	4.09	24.39	26.60	24.12	10.24	4.64
3	05	E	0.44	3.10	22.20	30.78	30.14	7.28	2.41
3	06	A	0.39	0.46	1.38	2.16	6.59	33.04	33.73
3	06	B	0.02	0.23	0.84	1.55	5.05	28.39	37.49
3	06	C	0.00	0.18	0.64	1.25	4.69	29.48	37.04
3	06	D	0.13	0.66	1.42	2.41	6.69	33.30	35.42
3	06	E	0.03	0.52	1.43	2.52	6.72	33.28	32.17
3	08	A	0.08	0.19	0.76	3.59	26.25	38.58	15.42
3	08	B	0.29	0.50	1.43	5.29	19.76	36.08	18.03
3	08	C	0.02	0.36	1.02	3.40	21.07	42.12	16.47
3	08	D	0.13	0.47	2.96	12.33	42.10	24.57	5.47
3	08	E	0.11	0.53	1.84	6.06	24.14	39.53	15.43
3	12	A	0.87	1.39	4.61	8.41	25.36	20.13	19.85
3	12	B	0.64	1.00	3.23	6.60	19.30	22.91	23.53
3	12	C	0.85	2.00	4.75	8.49	20.83	22.42	21.37
3	12	D	0.00	0.80	3.80	11.20	29.18	16.72	16.09
3	12	E	0.61	0.98	4.87	12.38	29.89	15.10	14.15
3	14	A	0.00	0.25	1.08	2.48	8.25	34.75	28.38
3	14	B	0.09	0.25	0.93	1.94	8.73	41.10	28.40
3	14	C	0.17	0.51	1.64	4.03	11.73	40.26	26.36
3	14	D	0.43	1.37	3.76	5.68	14.12	41.88	21.66
3	14	E	0.34	1.08	3.18	4.87	14.06	45.31	15.99
3	16	A	0.15	2.79	8.92	16.87	27.77	18.61	10.12
3	16	B	1.00	4.42	20.25	25.49	21.40	9.81	6.47
3	16	C	0.24	2.35	6.17	8.28	20.36	27.01	18.50
3	16	D	0.45	1.58	3.33	4.85	20.25	31.81	17.92
3	16	E	0.67	3.46	21.58	31.72	22.93	6.45	2.72
3	18	A	0.44	1.49	9.60	20.42	36.82	23.13	3.49
3	18	B	0.00	0.46	7.61	23.07	38.19	22.37	3.83
3	18	C	0.17	0.89	6.41	12.05	30.98	41.56	4.78
3	18	D	0.82	3.96	19.09	23.11	17.78	13.35	11.71
3	18	E	0.12	0.91	7.58	14.74	30.57	36.94	5.25
3	20	B	0.87	1.97	12.33	36.50	41.52	5.15	0.45
3	20	C	0.30	1.14	4.21	33.29	52.93	6.54	0.49
3	20	D	1.40	1.78	13.28	41.30	35.41	4.40	0.52
3	20	E	0.08	1.09	11.48	39.69	39.66	5.43	0.76
3	20	F	0.15	1.42	10.40	38.20	43.03	5.32	0.37

TABLE . SW FLORIDA SHELF ECOSYSTEMS STUDY YEAR I; SURFICIAL SEDIMENT GRAIN SIZE DISTRIBUTIONS, FALL CRUISE (YEAR I). PART A: GRAIN SIZE RANGE = > 4.00 TO 0.063 MM. LISTINGS REPRESENT PERCENTAGES OF EACH SAMPLE WHICH HAD GRAIN SIZES WITHIN DESIGNATED SIZE CATEGORIES.

CRUISE	STATION	REPLICATE	>4.00MM	2.00-4.00MM	1.00-2.00MM	0.50-1.00MM	0.25-0.50MM	0.125-0.25MM	0.063-0.125MM
3	22	B	2.48	5.97	13.76	28.04	21.38	8.46	5.22
3	22	C	1.13	6.25	19.93	33.35	19.41	4.76	2.32
3	22	D	1.21	2.71	5.16	11.99	29.55	24.04	9.48
3	22	E	0.87	2.64	4.39	9.05	19.04	25.95	16.77
3	22	F	1.66	4.68	8.62	16.61	19.83	17.56	12.21
3	24	B	0.18	0.67	8.20	23.61	32.41	16.21	9.16
3	24	C	1.02	2.17	8.98	15.87	25.62	27.87	10.62
3	24	D	0.13	0.68	9.58	25.99	32.72	15.30	7.93
3	24	E	0.74	1.20	10.04	21.18	26.96	20.65	10.75
3	24	F	0.07	0.69	5.37	16.58	32.67	29.27	9.33
3	25	B	0.32	1.11	2.01	1.96	2.77	4.68	12.75
3	25	C	0.00	0.03	0.24	0.77	2.43	5.72	16.11
3	25	D	0.08	0.29	1.13	1.73	2.84	4.85	14.36
3	25	E	0.05	0.36	0.86	1.42	2.35	4.38	12.47
3	25	F	0.11	1.09	1.92	2.04	3.13	5.00	14.14
3	26	B	0.06	0.47	0.51	0.59	0.91	2.04	6.88
3	26	C	0.21	0.58	1.52	1.72	1.98	5.70	10.25
3	26	D	5.91	4.33	4.93	3.50	2.92	5.26	10.20
3	26	E	1.21	3.10	3.47	1.91	1.41	2.54	6.00
3	26	F	0.20	0.78	1.01	1.15	2.13	4.39	7.11
3	28	B	0.21	1.05	2.66	7.04	26.01	42.75	10.20
3	28	C	0.64	1.36	2.72	5.89	22.16	42.24	11.11
3	28	D	0.91	2.31	8.55	26.21	35.50	14.10	4.43
3	28	E	0.05	0.55	1.55	4.61	22.36	42.96	12.09
3	28	F	0.32	2.74	8.45	26.87	33.19	11.31	4.08

NOTE: CRUISE NUMBERS "3" AND "4" REPRESENT THE FALL (OCTOBER 25-NOVEMBER 23, 1980) AND SPRING (APRIL 22-MAY 5, 1981) CRUISES, RESPECTIVELY.

TABLE . SW FLORIDA SHELF ECOSYSTEMS STUDY YEAR I; SURFICIAL SEDIMENT GRAIN SIZE DISTRIBUTIONS, FALL CRUISE (YEAR I). PART B: GRAIN SIZE RANGE = 0.062 TO < 0.001 MM (SILT/CLAYS). LISTINGS REPRESENT PERCENTAGES OF EACH SAMPLE WHICH HAD GRAIN SIZES WITHIN DESIGNATED SIZE CATEGORIES.

CRUISE	STATION	REPLICATE	.031-.062MM	.016-.031MM	.008-.016MM	.004-.008MM	.002-.004MM	.001-.002MM	<.001MM
3	02	A	2.36	0.81	0.31	0.04	0.37	0.21	0.41
3	02	B	2.19	0.61	0.32	0.10	0.31	0.24	0.45
3	02	C	0.96	0.69	0.46	0.37	0.38	0.25	0.68
3	02	D	0.24	0.33	0.25	0.16	0.11	0.11	0.61
3	02	E	0.49	0.28	0.22	0.15	0.07	0.12	0.32
3	04	A	3.59	2.37	0.84	0.60	0.32	0.64	1.46
3	04	B	2.26	1.48	0.63	0.58	0.64	0.70	0.79
3	04	C	2.15	0.96	0.83	0.35	0.49	0.49	1.42
3	04	D	2.96	1.51	1.23	0.72	1.01	0.93	1.01
3	04	E	1.91	1.14	0.68	1.21	0.41	0.48	0.75
3	05	A	1.85	1.41	0.80	0.42	0.43	0.49	0.74
3	05	B	1.85	1.25	0.80	0.59	0.62	0.20	0.47
3	05	C	1.73	1.29	0.73	0.45	0.71	0.71	0.54
3	05	D	1.89	1.18	0.63	0.39	0.26	0.39	0.89
3	05	E	1.11	0.74	0.41	0.22	0.14	0.32	0.68
3	06	A	16.11	2.58	0.90	0.50	0.26	0.41	1.49
3	06	B	20.15	2.79	0.87	0.43	0.16	0.43	1.60
3	06	C	19.71	3.14	0.97	0.51	0.40	0.56	1.43
3	06	D	14.20	2.72	0.74	0.38	0.31	0.43	1.20
3	06	E	17.99	2.03	0.84	0.48	0.25	0.46	1.29
3	08	A	7.06	3.40	1.50	0.80	0.69	0.67	1.02
3	08	B	8.69	4.28	1.99	0.88	0.77	0.87	1.16
3	08	C	6.82	4.22	1.61	0.86	0.71	0.52	0.80
3	08	D	4.98	2.43	1.35	0.71	0.67	0.61	1.23
3	08	E	6.04	2.59	1.02	0.55	0.37	0.49	1.31
3	12	A	6.33	4.63	2.46	1.22	0.75	0.90	2.88
3	12	B	6.68	6.06	3.17	1.23	1.22	1.18	3.20
3	12	C	5.09	5.23	2.89	1.33	0.85	1.18	2.73
3	12	D	5.47	6.35	3.18	1.48	1.28	1.54	2.92
3	12	E	6.06	5.26	3.43	1.36	1.33	1.53	2.98
3	14	A	16.36	3.99	0.68	0.58	0.33	0.70	1.38
3	14	B	12.05	3.00	0.87	0.43	0.23	0.54	1.43
3	14	C	11.39	1.80	0.55	0.26	0.15	0.29	0.84
3	14	D	7.33	1.41	0.44	0.38	0.20	0.41	0.94
3	14	E	8.59	2.57	1.14	0.54	0.48	0.56	1.29
3	16	A	5.06	3.59	1.58	1.16	1.02	0.85	1.52
3	16	B	4.12	2.71	1.10	0.81	0.73	0.67	1.02
3	16	C	7.78	3.87	1.71	0.66	0.74	1.05	1.32
3	16	D	8.22	4.29	2.45	1.17	1.24	1.26	1.16
3	16	E	2.47	2.55	1.57	0.96	0.88	0.90	1.15
3	18	A	1.20	0.85	0.66	0.32	0.23	0.40	0.95
3	18	B	1.58	0.86	0.51	0.21	0.18	0.27	0.85
3	18	C	1.17	0.62	0.28	0.13	0.18	0.18	0.62
3	18	D	4.33	2.00	1.02	0.44	0.49	0.57	1.31
3	18	E	1.64	0.43	0.54	0.19	0.17	0.24	0.68
3	20	B	0.39	0.18	0.07	0.05	0.02	0.05	0.45
3	20	C	0.36	0.11	0.08	0.06	0.02	0.02	0.46
3	20	D	0.49	0.29	0.20	0.14	0.12	0.09	0.59
3	20	E	0.80	0.28	0.14	0.05	0.08	0.06	0.40
3	20	F	0.32	0.17	0.12	0.04	0.03	0.02	0.40

TABLE . SW FLORIDA SHELF ECOSYSTEMS STUDY YEAR I; SURFICIAL SEDIMENT GRAIN SIZE DISTRIBUTIONS, FALL CRUISE (YEAR I). PART B: GRAIN SIZE RANGE = 0.062 TO < 0.001 MM (SILT/CLAYS). LISTINGS REPRESENT PERCENTAGES OF EACH SAMPLE WHICH HAD GRAIN SIZES WITHIN DESIGNATED SIZE CATEGORIES.

CRUISE	STATION	REPLICATE	.031-.062MM	.016-.031MM	.008-.016MM	.004-.008MM	.002-.004MM	.001-.002MM	<.001MM
3	22	B	4.58	3.64	2.03	1.30	0.98	0.81	1.36
3	22	C	3.45	3.03	1.58	1.57	0.83	0.76	1.57
3	22	D	5.81	3.70	2.09	1.27	0.99	0.85	1.36
3	22	E	7.77	4.97	2.85	1.70	1.31	0.96	1.74
3	22	F	6.96	4.73	2.56	1.52	0.96	0.87	1.21
3	24	B	3.43	1.93	0.96	0.61	0.57	0.75	1.27
3	24	C	2.51	1.64	0.85	0.40	0.29	1.05	1.12
3	24	D	2.82	1.53	0.76	0.38	0.38	0.84	0.96
3	24	E	3.06	1.76	0.81	0.41	0.37	0.48	1.55
3	24	F	2.20	1.06	0.61	0.49	0.40	0.43	0.82
3	25	B	32.33	18.81	5.25	3.14	3.00	3.66	8.21
3	25	C	41.15	13.55	5.14	2.31	2.63	3.08	6.86
3	25	D	32.83	23.33	4.90	2.86	2.19	2.75	5.68
3	25	E	37.32	18.77	5.60	3.11	2.43	3.34	7.53
3	25	F	35.95	15.89	5.52	2.76	2.82	3.01	6.61
3	26	B	10.92	32.15	16.77	8.27	4.52	3.36	12.56
3	26	C	15.06	29.85	11.35	6.43	4.63	1.52	9.18
3	26	D	15.62	21.58	9.29	4.78	3.21	1.03	7.26
3	26	E	12.98	29.88	13.49	6.83	4.73	2.09	10.34
3	26	F	15.31	32.70	12.63	6.14	4.66	1.54	10.25
3	28	B	3.17	1.82	1.29	0.89	0.60	0.83	1.46
3	28	C	3.60	2.82	1.97	1.17	1.06	1.09	2.17
3	28	D	2.25	1.56	0.95	0.73	0.63	0.63	1.24
3	28	E	4.44	3.12	2.07	1.22	1.50	1.34	2.15
3	28	F	2.40	2.43	2.03	1.48	1.48	1.34	1.88

NOTE: CRUISE NUMBERS "3" AND "4" REPRESENT THE FALL (OCTOBER 25-NOVEMBER 23, 1980) AND SPRING (APRIL 22-MAY 5, 1981) CRUISES, RESPECTIVELY.

TABLE . SW FLORIDA SHELF ECOSYSTEMS STUDY YEAR I; SURFICIAL SEDIMENT GRAIN SIZE DISTRIBUTIONS, SPRING CRUISE (YEAR I). PART A: GRAIN SIZE RANGE = > 4.00 TO 0.50 MM. LISTINGS REPRESENT PERCENTAGES OF EACH SAMPLE WHICH HAD GRAIN SIZES WITHIN DESIGNATED SIZE CATEGORIES.

CRUISE	STATION	REPLICATE	>4.00MM	2.80-4.00MM	2.00-2.80MM	1.40-2.00MM	1.00-1.40MM	0.71-1.00MM	0.50-0.71MM
4	02	A	0.01	0.04	0.15	0.38	0.53	0.85	1.08
4	02	B	0.04	0.05	0.22	0.41	0.57	0.86	0.86
4	02	C	0.01	0.03	0.19	0.33	0.51	0.57	0.72
4	02	D	0.00	0.00	0.13	0.23	0.36	0.51	0.69
4	02	E	0.00	0.04	0.20	0.34	0.44	0.59	0.71
4	04	A	1.17	1.36	4.64	10.67	16.11	14.54	12.28
4	04	B	0.08	0.59	1.41	3.32	5.07	4.67	4.97
4	04	C	0.61	1.98	5.08	7.76	11.68	12.26	13.51
4	04	D	0.34	0.71	1.32	2.69	3.90	4.18	4.61
4	04	E	0.23	0.92	3.54	9.26	16.88	16.48	13.04
4	05	A	0.39	0.87	2.95	7.62	17.95	17.32	12.27
4	05	B	0.36	0.79	3.27	8.13	18.78	17.47	13.93
4	05	C	1.13	0.59	2.49	6.31	14.39	14.20	12.03
4	05	D	0.66	1.00	2.94	2.70	15.39	15.17	12.35
4	05	E	0.52	0.73	2.71	7.12	17.18	15.12	13.02
4	06	A	0.14	0.31	0.30	0.56	0.76	0.99	1.49
4	06	B	0.23	0.13	0.43	0.63	0.94	1.30	1.84
4	06	C	0.22	0.29	0.33	0.53	0.79	1.11	1.61
4	06	D	0.21	0.31	0.39	0.55	0.73	0.92	1.41
4	08	A	0.11	0.15	0.39	0.74	1.31	2.41	3.13
4	08	B	0.65	0.28	0.35	0.43	0.81	1.35	2.56
4	08	C	0.26	0.12	0.33	0.50	0.93	1.77	3.30
4	08	D	0.55	0.26	0.38	0.59	1.14	1.93	3.50
4	08	E	0.02	0.06	0.33	0.43	0.98	2.20	4.89
4	12	A	0.59	0.50	1.06	2.21	3.81	5.58	8.85
4	12	B	0.17	0.29	0.70	1.83	3.65	5.65	9.63
4	12	C	0.36	0.20	0.84	1.84	3.27	5.18	7.96
4	12	D	0.17	0.30	0.80	2.14	4.31	6.26	9.37
4	12	E	0.30	0.25	0.75	1.94	4.09	5.86	9.22
4	14	A	0.00	0.11	0.30	0.67	1.01	1.42	2.12
4	14	B	0.00	0.06	0.19	0.43	0.63	0.78	1.21
4	14	C	0.07	0.12	0.28	0.46	0.68	0.80	1.25
4	14	D	0.33	0.23	0.93	1.83	2.88	3.83	5.80
4	14	E	0.10	0.12	0.23	0.57	0.97	1.36	1.85
4	16	A	0.03	0.23	0.60	1.18	1.97	2.73	4.72
4	16	B	0.82	1.32	2.43	2.98	3.14	2.89	3.87
4	16	C	0.71	1.37	4.15	5.78	7.27	8.33	11.57
4	16	D	0.63	0.79	1.23	2.87	6.17	7.34	7.34
4	16	E	1.02	0.84	1.90	4.63	9.60	10.77	10.03
4	18	A	0.27	0.47	1.12	2.21	4.63	6.22	6.14
4	18	B	0.02	0.29	0.72	2.13	5.42	8.14	9.46
4	18	C	0.30	0.49	1.24	2.62	5.63	7.16	7.54
4	18	D	0.63	0.79	1.23	2.87	6.17	7.34	7.34
4	18	E	1.02	0.84	1.90	4.63	9.60	10.77	10.03
4	20	A	0.61	0.22	1.00	2.15	7.32	16.76	24.27
4	20	B	0.47	0.27	0.78	1.60	4.76	12.45	21.45
4	20	C	0.36	0.38	0.86	1.65	4.39	10.25	18.23
4	20	D	0.11	0.21	0.57	1.85	7.31	18.48	26.87
4	20	E	0.07	0.05	0.27	0.84	4.04	13.83	24.43
4	22	A	0.29	0.79	1.58	1.83	2.61	3.75	5.16

TABLE . SW FLORIDA SHELF ECOSYSTEMS STUDY YEAR I; SURFICIAL SEDIMENT GRAIN SIZE DISTRIBUTIONS, SPRING CRUISE (YEAR I). PART A: GRAIN SIZE RANGE = > 4.00 TO 0.50 MM. LISTINGS REPRESENT PERCENTAGES OF EACH SAMPLE WHICH HAD GRAIN SIZES WITHIN DESIGNATED SIZE CATEGORIES.

CRUISE	STATION	REPLICATE	>4.00MM	2.80-4.00MM	2.00-2.80MM	1.40-2.00MM	1.00-1.40MM	0.71-1.00MM	0.50-0.71MM
4	22	B	0.21	0.86	2.54	6.55	14.67	19.52	18.25
4	22	C	1.15	0.85	2.29	3.83	6.48	9.70	11.37
4	22	D	1.19	1.55	2.22	3.07	4.78	6.95	7.62
4	22	E	1.43	1.89	3.55	3.36	3.77	4.35	5.85
4	24	A	0.49	0.16	0.34	1.07	6.01	9.72	13.89
4	24	B	0.12	0.10	0.28	1.19	3.73	6.16	8.79
4	24	C	0.13	0.17	0.31	0.80	2.25	3.39	4.95
4	24	D	0.48	0.26	0.33	1.45	7.55	13.48	20.11
4	24	E	2.79	0.34	1.02	3.21	9.86	13.09	15.38
4	25	A	0.00	0.00	0.10	0.25	0.46	0.61	0.93
4	25	B	0.00	0.16	0.22	0.44	0.62	0.67	0.79
4	25	C	0.00	0.05	0.21	0.22	0.44	0.51	0.70
4	25	D	0.00	0.06	0.20	0.34	0.51	0.69	0.88
4	25	E	0.00	0.08	0.04	0.20	0.36	0.58	0.87
4	26	A	0.97	0.69	0.88	0.96	1.21	1.16	1.52
4	26	B	0.24	0.42	0.53	0.76	0.82	0.80	0.82
4	26	C	0.38	0.27	0.89	0.70	1.13	0.99	1.09
4	26	D	2.02	1.11	1.97	1.91	2.01	1.55	1.34
4	26	E	0.82	0.70	0.78	1.15	1.28	1.20	1.32
4	28	A	0.44	0.51	0.73	1.24	2.41	4.30	6.93
4	28	B	0.18	0.28	0.53	0.95	1.96	3.49	6.13
4	28	C	0.45	0.27	0.73	1.03	1.89	3.08	5.03
4	28	D	0.23	0.88	1.46	1.57	2.43	3.75	5.70
4	28	E	1.49	0.50	0.97	1.08	1.85	2.94	4.46

NOTE: CRUISE NUMBERS "3" AND "4" REPRESENT THE FALL (OCTOBER 25-NOVEMBER 23, 1980) AND SPRING (APRIL 22-MAY 5, 1981) CRUISES, RESPECTIVELY.

TABLE . SW FLORIDA SHELF ECOSYSTEMS STUDY YEAR I; SURFICIAL SEDIMENT GRAIN SIZE DISTRIBUTIONS, SPRING CRUISE.(YEAR I).
PART B: GRAIN SIZE RANGE = 0.500 TO 0.063 MM. LISTINGS REPRESENT PERCENTAGES OF EACH SAMPLE WHICH HAD GRAIN SIZES WITHIN DESIGNATED CATEGORIES.

CRUISE	STATION	REPLICATE	0.355-0.500MM	0.250-0.355MM	0.180-0.250MM	0.125-0.180MM	0.090-0.125MM	0.063-0.090MM
4	02	A	1.33	8.41	28.79	36.66	15.09	3.15
4	02	B	1.34	8.90	29.80	37.27	14.02	2.53
4	02	C	0.94	5.93	23.88	35.16	19.95	5.11
4	02	D	1.00	6.48	24.54	37.31	18.33	4.42
4	02	E	1.02	6.81	26.47	38.37	16.77	3.79
4	04	A	12.06	11.78	3.58	2.42	1.55	1.44
4	04	B	6.69	14.22	12.64	13.49	8.04	3.57
4	04	C	12.57	12.95	3.40	2.37	1.70	1.72
4	04	D	7.14	16.21	15.21	16.63	10.03	5.67
4	04	E	11.10	8.96	2.94	2.44	1.81	1.73
4	05	A	10.42	11.66	5.02	4.04	2.61	1.47
4	05	B	14.01	13.41	3.81	2.59	1.27	0.55
4	05	C	13.03	14.59	6.04	5.46	3.00	1.79
4	05	D	12.56	13.88	5.50	5.21	3.10	1.91
4	05	E	13.29	13.51	4.42	3.59	2.03	1.24
4	06	A	1.86	4.61	9.43	24.08	19.33	15.63
4	06	B	2.29	5.30	12.46	24.22	21.49	12.64
4	06	C	2.05	5.38	12.75	25.35	22.13	11.47
4	06	D	1.19	4.29	12.03	25.18	22.07	12.00
4	08	A	5.75	14.09	14.34	18.81	11.02	6.71
4	08	B	4.84	12.77	17.36	21.32	13.61	7.12
4	08	C	5.99	16.06	18.63	20.52	11.53	5.69
4	08	D	6.31	17.49	18.22	21.19	10.04	4.93
4	08	E	7.85	13.28	10.34	11.21	9.01	7.27
4	12	A	13.96	16.08	6.75	8.40	9.00	4.86
4	12	B	17.35	19.97	6.69	6.98	7.24	4.12
4	12	C	13.26	17.61	7.09	8.86	9.15	5.10
4	12	D	15.84	18.68	8.58	7.42	8.21	4.03
4	12	E	16.26	19.65	8.08	6.33	7.07	4.18
4	14	A	3.43	9.92	19.86	26.08	13.18	6.18
4	14	B	1.96	6.17	15.02	24.60	20.53	11.88
4	14	C	1.93	6.53	14.14	30.15	18.56	10.18
4	14	D	7.81	15.86	21.13	25.96	8.57	2.18
4	14	E	2.25	5.41	10.63	19.42	19.26	9.85
4	16	A	8.08	17.25	15.29	17.77	11.79	5.02
4	16	B	6.11	13.70	15.08	17.85	11.28	4.76
4	16	C	13.66	17.45	9.28	6.27	3.36	1.95
4	16	D	8.55	18.08	19.63	16.53	4.45	1.62
4	16	E	12.04	15.95	11.66	11.58	4.23	1.96
4	18	A	8.41	18.43	21.68	19.42	5.15	1.71
4	18	B	11.84	24.15	20.36	11.83	2.33	0.91
4	18	C	8.37	15.28	17.47	19.59	8.06	1.60
4	18	D	8.55	18.08	19.63	16.53	4.45	1.62
4	18	E	12.04	15.95	11.66	11.58	4.23	1.96
4	20	A	21.52	19.39	4.47	1.16	0.30	0.21
4	20	B	23.38	25.81	6.12	1.47	0.33	0.21
4	20	C	22.20	28.48	8.26	2.46	0.67	0.45
4	20	D	22.13	16.73	2.99	0.69	0.12	0.10
4	20	E	26.18	23.62	4.72	1.03	0.21	0.14
4	22	A	6.22	11.46	10.80	12.08	10.63	5.85

TABLE . SW FLORIDA SHELF ECOSYSTEMS STUDY YEAR I; SURFICIAL SEDIMENT GRAIN SIZE DISTRIBUTIONS, SPRING CRUISE (YEAR I). PART B: GRAIN SIZE RANGE = 0.500 TO 0.063 MM. LISTINGS REPRESENT PERCENTAGES OF EACH SAMPLE WHICH HAD GRAIN SIZES WITHIN DESIGNATED SIZE CATEGORIES.

CRUISE	STATION	REPLICATE	0.355-0.500MM	0.250-0.355MM	0.180-0.250MM	0.125-0.180MM	0.090-0.125MM	0.063-0.090MM
4	22	B	11.48	7.80	2.70	2.20	1.72	1.44
4	22	C	9.65	12.03	7.97	7.65	6.17	3.49
4	22	D	8.14	12.47	10.02	11.31	9.12	4.11
4	22	E	6.72	11.35	9.34	11.35	9.17	5.35
4	24	A	18.32	19.71	9.31	7.88	4.61	2.60
4	24	B	12.77	16.55	12.79	13.46	8.33	4.01
4	24	C	8.92	17.07	17.19	18.32	9.67	4.18
4	24	D	25.29	17.98	5.42	3.44	1.58	0.76
4	24	E	15.46	12.95	7.83	7.38	4.55	1.64
4	25	A	1.18	2.55	2.58	4.67	10.90	7.68
4	25	B	0.85	1.90	2.27	4.91	11.34	11.23
4	25	C	0.68	1.56	1.88	3.76	8.78	8.61
4	25	D	0.98	1.96	2.10	3.97	9.60	9.63
4	25	E	0.96	1.79	2.04	3.90	9.79	6.88
4	26	A	1.33	1.59	1.72	3.05	6.65	5.36
4	26	B	0.81	1.15	1.54	3.31	7.80	6.76
4	26	C	0.88	1.59	1.92	4.00	7.89	6.71
4	26	D	1.00	1.41	1.66	3.81	8.17	5.38
4	26	E	1.13	1.60	1.71	3.59	8.87	4.98
4	28	A	10.56	18.68	17.60	20.23	6.89	1.83
4	28	B	8.56	16.78	17.26	21.50	9.01	2.57
4	28	C	6.80	15.26	18.34	22.13	9.75	2.94
4	28	D	7.18	15.42	17.91	19.65	9.35	2.35
4	28	E	6.61	14.87	19.36	21.24	9.96	2.61

NOTE: CRUISE NUMBERS "3" AND "4" REPRESENT THE FALL (OCTOBER 25-NOVEMBER 23, 1980) AND SPRING (APRIL 22-MAY 5, 1981) CRUISES, RESPECTIVELY.

TABLE . SW FLORIDA SHELF ECOSYSTEMS STUDY YEAR I; SURFICIAL SEDIMENT GRAIN SIZE DISTRIBUTIONS, SPRING CRUISE (YEAR I). PART C: GRAIN SIZE RANGE = 0.062 TO < 0.001 MM (SILT/CLAYS). LISTINGS REPRESENT PERCENTAGES OF EACH SAMPLE WHICH HAD GRAIN SIZES WITHIN DESIGNATED SIZE CATEGORIES.

CRUISE	STATION	REPLICATE	.031-.062MM	.016-.031MM	.008-.016MM	.004-.008MM	.002-.004MM	.001-.002MM	<.001MM
4	02	A	2.10	0.35	0.19	0.08	0.09	0.15	0.59
4	02	B	1.84	0.35	0.17	0.11	0.08	0.11	0.49
4	02	C	3.58	0.87	0.40	0.27	0.25	0.34	0.95
4	02	D	3.19	0.71	0.41	0.22	0.20	0.35	0.92
4	02	E	2.42	0.45	0.24	0.17	0.18	0.25	0.73
4	04	A	3.09	1.33	0.57	0.31	0.17	0.11	0.81
4	04	B	10.35	5.11	2.91	1.04	0.30	0.11	1.43
4	04	C	3.83	2.94	1.68	0.82	0.67	0.69	1.79
4	04	D	5.85	1.78	0.98	0.57	0.35	0.51	1.32
4	04	E	3.82	2.07	1.23	0.65	0.58	0.56	1.76
4	05	A	1.97	0.99	0.55	0.32	0.34	0.45	0.80
4	05	B	0.52	0.24	0.13	0.11	0.14	0.12	0.39
4	05	C	1.90	0.88	0.42	0.25	0.34	0.31	0.87
4	05	D	2.46	1.45	0.89	0.48	0.45	0.65	1.27
4	05	E	1.57	1.08	0.61	0.44	0.48	0.57	0.78
4	06	A	16.88	1.27	0.59	0.21	0.35	0.49	0.73
4	06	B	11.61	1.68	0.72	0.43	0.51	0.52	0.62
4	06	C	11.68	1.55	0.69	0.35	0.41	0.55	0.77
4	06	D	14.61	1.60	0.62	0.28	0.41	0.51	0.70
4	08	A	13.06	3.24	1.56	0.81	0.82	0.71	0.81
4	08	B	8.00	3.60	1.59	0.83	0.83	0.80	0.91
4	08	C	7.57	2.56	1.17	0.70	0.74	0.69	0.94
4	08	D	6.97	2.69	1.16	0.80	0.70	0.61	0.74
4	08	E	11.35	9.06	4.22	2.11	1.53	1.47	2.38
4	12	A	5.67	4.21	2.88	1.55	1.25	1.73	1.06
4	12	B	5.36	3.05	2.50	0.93	0.55	1.08	2.25
4	12	C	6.39	4.92	2.57	1.07	0.73	1.18	2.44
4	12	D	4.71	4.03	2.44	1.33	1.08	1.21	1.11
4	12	E	5.46	4.62	2.60	1.48	1.09	1.33	1.44
4	14	A	8.09	3.03	1.40	0.78	0.71	0.84	0.88
4	14	B	12.25	1.92	0.64	0.37	0.37	0.45	0.55
4	14	C	11.01	1.56	0.58	0.36	0.38	0.41	0.54
4	14	D	1.47	0.36	0.15	0.10	0.15	0.13	0.30
4	14	E	16.73	5.02	1.69	1.09	1.11	1.18	1.18
4	16	A	5.59	2.87	1.47	1.10	0.88	1.19	0.30
4	16	B	5.33	3.14	1.77	1.01	0.88	0.81	0.81
4	16	C	3.44	1.83	1.12	0.78	0.69	0.52	0.48
4	16	D	5.07	2.57	1.26	0.85	0.66	0.70	0.93
4	16	E	4.50	1.97	0.99	0.66	0.52	0.59	0.78
4	18	A	1.87	0.69	0.35	0.15	0.33	0.10	0.64
4	18	B	0.90	0.49	0.24	0.17	0.06	0.16	0.37
4	18	C	2.06	0.97	0.34	0.19	0.19	0.26	0.65
4	18	D	2.02	0.91	0.48	0.22	0.28	0.30	0.57
4	18	E	2.07	0.71	0.32	0.08	0.07	0.16	0.38
4	20	A	0.34	0.08	0.06	0.01	0.02	0.01	0.12
4	20	B	0.38	0.11	0.08	0.04	0.03	0.06	0.21
4	20	C	0.56	0.21	0.17	0.03	0.04	0.08	0.27
4	20	D	0.28	0.36	0.27	0.22	0.16	0.10	0.46
4	20	E	0.18	0.06	0.00	0.04	0.01	0.02	0.26
4	22	A	10.04	6.54	3.30	2.14	1.71	1.78	1.46

TABLE . SW FLORIDA SHELF ECOSYSTEMS STUDY YEAR I; SURFICIAL SEDIMENT GRAIN SIZE DISTRIBUTIONS, SPRING CRUISE (YEAR I). PART C: GRAIN SIZE RANGE = 0.062 TO < 0.001 MM (SILT/CLAYS). LISTINGS REPRESENT PERCENTAGES OF EACH SAMPLE WHICH HAD GRAIN SIZES WITHIN DESIGNATED SIZE CATEGORIES.

CRUISE	STATION	REPLICATE	.031-.062MM	.016-.031MM	.008-.016MM	.004-.008MM	.002-.004MM	.001-.002MM	<.001MM
4	22	B	3.01	2.33	1.47	1.10	0.77	0.79	0.61
4	22	C	5.93	4.10	2.32	1.47	0.99	1.20	1.35
4	22	D	6.21	4.41	2.00	1.55	0.98	1.28	0.99
4	22	E	8.01	6.26	2.40	1.58	1.21	1.63	1.43
4	24	A	2.41	1.21	0.52	0.47	0.38	0.51	0.40
4	24	B	4.57	2.24	1.19	0.80	0.89	1.01	1.04
4	24	C	4.54	2.44	1.41	1.05	0.95	1.01	1.25
4	24	D	0.75	0.40	0.19	0.16	0.12	0.08	0.16
4	24	E	1.63	0.89	0.44	0.29	0.37	0.45	0.43
4	25	A	38.71	13.41	4.04	2.48	2.48	2.96	4.28
4	25	B	37.33	11.73	3.87	2.05	2.20	2.88	4.53
4	25	C	43.46	13.94	3.97	2.03	2.12	2.83	4.23
4	25	D	35.41	15.95	4.31	2.78	3.23	3.26	4.14
4	25	E	41.59	12.88	4.62	2.11	1.86	4.00	5.44
4	26	A	23.75	21.13	9.26	4.17	3.17	4.60	6.84
4	26	B	22.91	22.36	11.37	4.14	3.71	3.79	5.97
4	26	C	26.91	19.24	7.20	3.82	3.60	4.34	6.45
4	26	D	24.26	17.67	8.00	3.33	2.92	4.05	6.43
4	26	E	23.44	21.65	8.27	3.65	2.56	4.47	6.94
4	28	A	2.64	1.17	0.87	1.33	0.91	0.44	0.29
4	28	B	4.10	1.99	1.21	0.92	1.32	0.88	0.40
4	28	C	3.69	2.59	1.53	1.34	1.14	1.11	0.80
4	28	D	3.74	2.46	1.54	1.30	1.35	0.96	0.76
4	28	E	3.68	2.57	1.48	1.31	1.33	1.09	0.80

NOTE: CRUISE NUMBERS "3" AND "4" REPRESENT THE FALL (OCTOBER 25-NOVEMBER 23, 1980) AND SPRING (APRIL 22-MAY 5, 1981) CRUISES, RESPECTIVELY.

TABLE . SW FLORIDA SHELF ECOSYSTEMS STUDY YEAR II; SURFICIAL SEDIMENT GRAIN SIZE DISTRIBUTIONS, SUMMER CRUISE (YEAR II). PART A: GRAIN SIZE RANGE = > 4.00 TO 0.50 MM. LISTINGS REPRESENT PERCENTAGES OF EACH SAMPLE WHICH HAD GRAIN SIZES WITHIN DESIGNATED SIZE CATEGORIES.

CRUISE	STATION	REPLICATE	>4.00MM	2.80-4.00MM	2.00-2.80MM	1.40-2.00MM	1.00-1.40MM	0.71-1.00MM	0.50-0.71MM
2	4	A	0.61	0.91	2.63	7.14	13.67	14.54	12.89
2	4	B	0.69	1.64	3.40	6.63	11.82	13.93	12.43
2	4	C	0.43	1.52	3.84	8.66	13.98	13.84	11.99
2	4	D	0.82	1.67	4.21	8.47	13.17	13.69	12.23
2	4	E	0.24	0.69	1.69	4.57	9.82	13.73	15.70
2	5	A	1.04	1.27	3.67	7.21	17.00	15.98	12.29
2	5	B	1.35	0.72	2.96	6.91	15.90	15.18	12.46
2	5	C	0.90	1.18	2.89	7.59	17.13	15.92	12.36
2	5	D	0.50	0.90	2.45	6.66	15.61	14.79	12.68
2	5	E	0.63	0.91	3.28	7.71	17.47	14.96	12.51
2	6	A	0.42	0.71	0.84	1.05	1.21	1.37	1.61
2	6	B	0.06	0.09	0.32	0.36	0.70	0.96	1.38
2	6	C	0.02	0.11	0.25	0.46	0.77	1.09	1.53
2	6	D	0.06	0.11	0.28	0.40	0.68	0.88	1.31
2	6	E	0.06	0.14	0.27	0.61	0.87	1.17	1.47
2	12	A	1.30	0.82	1.27	2.39	4.43	5.63	6.51
2	12	B	0.96	0.77	0.83	1.92	3.58	4.36	5.30
2	12	C	0.76	0.18	0.58	1.62	2.71	3.72	4.75
2	12	D	1.40	0.95	1.73	3.42	4.42	5.06	6.27
2	12	E	1.24	0.69	1.37	2.63	3.95	4.59	5.34
2	14	A	0.05	0.06	0.31	0.54	0.81	1.10	1.70
2	14	B	0.08	0.14	0.32	0.52	0.85	0.99	1.49
2	14	C	0.05	0.11	0.24	0.42	0.66	0.87	1.34
2	14	D	0.02	0.03	0.28	0.49	0.61	0.88	1.52
2	14	E	0.04	0.10	0.22	0.49	0.72	1.03	1.61
2	16	A	0.30	0.55	0.89	1.48	1.96	2.20	3.30
2	16	B	0.69	1.00	1.92	2.61	3.23	2.63	3.41
2	16	C	1.59	1.53	1.62	1.59	1.63	1.57	1.54
2	16	D	0.78	0.53	1.16	1.38	1.71	1.92	3.08
2	16	E	0.83	0.77	1.85	2.55	3.27	3.31	4.47
2	20	A	0.48	0.36	0.82	2.86	9.65	21.13	21.51
2	20	B	3.49	0.95	1.50	3.82	10.02	17.38	17.07
2	20	C	3.99	0.86	1.82	3.87	9.90	19.37	18.88
2	20	D	3.88	1.25	2.32	4.64	10.70	19.60	17.82
2	20	E	1.41	1.53	2.68	5.00	12.69	21.50	16.53
2	22	A	0.19	0.49	0.94	1.46	2.18	3.39	5.29
2	22	B	0.90	0.45	1.82	2.60	3.58	4.88	6.85
2	22	C	1.37	1.08	2.05	2.86	4.05	5.58	6.55
2	22	D	3.20	1.27	1.69	1.82	2.32	3.35	4.98
2	22	E	1.57	1.20	1.37	1.58	2.28	3.49	5.12
2	24	A	0.53	0.12	0.89	1.54	3.71	5.14	6.36
2	24	B	0.41	0.11	0.37	0.97	2.63	4.03	6.38
2	24	C	0.42	0.28	0.64	1.27	3.41	4.66	7.46
2	24	D	0.76	0.14	0.33	0.85	2.51	4.10	7.81
2	24	E	0.38	0.18	0.33	1.14	3.65	5.46	9.70
2	25	A	0.11	0.06	0.25	0.40	0.60	0.73	0.96
2	25	B	0.00	0.09	0.32	0.48	0.62	0.71	0.90
2	25	C	0.12	0.07	0.15	0.31	0.54	0.77	0.96
2	25	D	0.01	0.04	0.12	0.33	0.49	0.72	0.90
2	25	E	0.04	0.09	0.15	0.30	0.47	0.62	0.92

TABLE . SW FLORIDA SHELF ECOSYSTEMS STUDY YEAR II; SURFICIAL SEDIMENT GRAIN SIZE DISTRIBUTIONS, SUMMER CRUISE (YEAR II). PART A: GRAIN SIZE RANGE = > 4.00 TO 0.50 MM. LISTINGS REPRESENT PERCENTAGES OF EACH SAMPLE WHICH HAD GRAIN SIZES WITHIN DESIGNATED SIZE CATEGORIES.

CRUISE	STATION	REPLICATE	>4.00MM	2.80-4.00MM	2.00-2.80MM	1.40-2.00MM	1.00-1.40MM	0.71-1.00MM	0.50-0.71MM
2	28	A	0.55	0.47	0.65	1.06	1.81	3.11	4.88
2	28	B	0.43	0.23	0.57	0.93	1.40	2.63	4.55
2	28	C	0.35	0.31	0.50	0.73	1.45	2.54	5.08
2	28	D	1.01	0.65	1.13	1.60	2.28	3.23	5.29
2	28	E	1.16	1.29	1.78	1.91	2.21	3.07	4.95
2	31	A	1.91	0.87	1.49	2.81	3.83	4.41	5.02
2	31	B	1.33	0.92	1.87	3.32	5.54	6.23	6.95
2	31	C	1.72	0.96	1.68	2.73	3.87	4.40	5.64
2	31	D	1.65	0.85	1.77	2.89	3.56	3.91	5.39
2	31	E	1.15	0.57	2.53	3.86	5.59	6.02	6.87
2	33	A	0.31	0.26	0.58	0.90	1.41	2.16	3.56
2	33	B	0.36	0.21	0.75	1.30	2.33	2.91	4.24
2	33	C	0.21	0.14	0.51	1.14	1.96	2.57	4.00
2	33	D	0.86	1.00	1.60	2.85	4.68	5.09	6.32
2	33	E	0.13	0.34	0.84	1.64	2.75	3.41	4.65
2	34	A	0.36	0.35	1.77	4.25	8.61	10.84	12.55
2	34	B	0.39	0.21	0.72	2.41	5.12	6.79	8.27
2	34	C	0.14	0.18	0.82	2.60	7.19	10.90	12.02
2	34	D	0.42	0.29	1.24	3.84	9.58	9.68	8.81
2	34	E	0.38	0.28	0.78	1.84	4.12	5.73	9.35
2	37	A	0.11	0.40	1.34	4.84	10.09	10.82	11.68
2	37	B	0.19	0.14	1.39	6.57	13.32	14.25	13.09
2	37	C	0.37	0.41	1.95	6.02	10.96	10.62	11.31
2	37	D	0.69	0.29	1.97	6.39	12.12	11.96	11.82
2	37	E	0.18	0.39	2.05	5.85	10.34	10.14	11.24

NOTE: CRUISE NUMBERS "2" AND "3" REPRESENT THE SUMMER (JULY 16-AUGUST 5, 1981) AND WINTER (JANUARY 28-FEBRUARY 15, 1982) CRUISES, RESPECTIVELY.

TABLE . SW FLORIDA SHELF ECOSYSTEMS STUDY YEAR II; SURFICIAL SEDIMENT GRAIN SIZE DISTRIBUTIONS, SUMMER CRUISE (YEAR II). PART B: GRAIN SIZE RANGE = 0.500 TO 0.063 MM. LISTINGS REPRESENT PERCENTAGES OF EACH SAMPLE WHICH HAD GRAIN SIZES WITHIN DESIGNATED SIZE CATEGORIES.

CRUISE	STATION	REPLICATE	0.355-0.500MM	0.250-0.355MM	0.180-0.250MM	0.125-0.180MM	0.090-0.125MM	0.063-0.090MM
2	4	A	13.22	13.75	5.02	2.51	1.56	1.40
2	4	B	12.24	12.55	4.94	2.94	2.43	1.50
2	4	C	11.88	12.08	4.36	2.09	1.48	1.30
2	4	D	12.77	14.63	4.98	2.16	1.23	0.98
2	4	E	16.93	17.21	5.90	2.99	1.52	1.21
2	5	A	11.78	12.35	5.01	4.18	2.53	1.21
2	5	B	12.95	13.25	5.14	4.23	2.53	1.56
2	5	C	12.09	11.14	4.82	4.11	2.86	1.20
2	5	D	14.06	13.46	5.60	4.63	2.92	1.36
2	5	E	12.65	12.49	4.80	4.13	2.78	1.30
2	6	A	1.92	4.45	11.14	23.37	22.76	11.82
2	6	B	1.81	4.60	11.51	24.85	23.79	12.84
2	6	C	1.96	5.16	12.64	22.00	25.43	9.27
2	6	D	1.79	4.77	12.18	25.76	23.45	11.66
2	6	E	1.72	4.14	9.92	22.13	24.52	12.42
2	12	A	7.65	10.73	8.96	13.32	14.83	4.28
2	12	B	6.60	10.33	9.67	15.19	19.61	4.08
2	12	C	6.41	11.20	10.60	17.05	17.85	5.16
2	12	D	7.20	10.00	8.88	13.51	16.11	3.92
2	12	E	6.39	10.82	9.01	13.58	16.47	4.53
2	14	A	2.89	9.45	22.71	30.07	16.36	5.16
2	14	B	2.44	6.72	17.79	26.68	20.98	7.45
2	14	C	2.07	6.56	16.17	27.53	20.92	7.50
2	14	D	2.67	8.80	22.31	35.51	16.11	4.49
2	14	E	2.54	7.49	18.00	31.08	20.18	6.60
2	16	A	6.00	16.22	19.69	20.32	12.29	3.26
2	16	B	5.47	13.37	17.46	19.50	11.41	4.03
2	16	C	4.88	14.29	19.23	20.62	12.59	3.70
2	16	D	5.14	14.86	17.98	22.43	13.46	4.04
2	16	E	6.17	13.00	13.88	17.41	13.01	4.50
2	20	A	18.83	18.07	3.93	0.91	0.30	0.21
2	20	B	18.98	19.82	4.19	1.11	0.34	0.24
2	20	C	14.88	16.55	4.72	1.39	0.56	0.48
2	20	D	15.12	15.63	4.22	1.49	0.57	0.44
2	20	E	11.77	10.61	2.88	1.14	0.55	0.34
2	22	A	7.52	15.52	15.26	15.22	10.28	4.64
2	22	B	8.25	14.16	12.15	12.91	9.21	5.13
2	22	C	7.09	11.07	10.53	10.98	10.47	4.89
2	22	D	6.71	11.62	11.18	12.21	12.82	4.48
2	22	E	6.70	12.48	12.80	14.04	12.15	5.33
2	24	A	13.32	19.41	15.34	14.94	8.06	2.56
2	24	B	11.30	19.50	17.88	17.28	8.75	3.12
2	24	C	12.23	20.10	17.43	15.67	7.25	2.29
2	24	D	14.93	23.55	17.08	14.29	6.84	2.09
2	24	E	15.54	22.48	12.60	11.09	6.50	3.15
2	25	A	1.04	2.30	2.60	5.03	10.14	9.51
2	25	B	1.00	2.19	2.41	4.78	10.09	11.10
2	25	C	1.25	2.48	2.66	4.64	10.70	10.58
2	25	D	1.41	2.36	2.09	5.13	9.59	7.10
2	25	E	1.14	2.18	2.28	3.87	8.01	7.80

TABLE . SW FLORIDA SHELF ECOSYSTEMS STUDY YEAR II; SURFICIAL SEDIMENT GRAIN SIZE DISTRIBUTIONS, SUMMER CRUISE (YEAR II). PART B: GRAIN SIZE RANGE = 0.500 TO 0.063 MM. LISTINGS REPRESENT PERCENTAGES OF EACH SAMPLE WHICH HAD GRAIN SIZES WITHIN DESIGNATED SIZE CATEGORIES.

CRUISE	STATION	REPLICATE	0.355-0.500MM	0.250-0.355MM	0.180-0.250MM	0.125-0.180MM	0.090-0.125MM	0.063-0.090MM
2	28	A	7.71	18.26	21.11	21.57	7.66	1.95
2	28	B	7.37	17.92	21.22	21.30	8.53	2.22
2	28	C	6.73	16.72	20.10	22.37	8.70	2.64
2	28	D	7.90	16.86	18.79	19.49	6.84	2.19
2	28	E	6.86	16.39	18.76	20.59	7.55	2.19
2	31	A	5.41	9.85	11.11	14.79	13.30	5.71
2	31	B	6.49	10.82	10.25	14.07	11.96	4.34
2	31	C	5.76	9.03	9.60	15.21	14.42	5.65
2	31	D	6.12	10.27	9.95	15.07	14.42	5.07
2	31	E	6.71	10.98	8.96	13.52	12.11	4.38
2	33	A	5.30	11.10	11.65	16.26	20.55	8.39
2	33	B	5.56	9.98	11.71	14.15	20.41	8.31
2	33	C	5.21	10.16	10.21	15.70	19.66	8.68
2	33	D	6.50	10.64	9.78	13.45	15.73	6.78
2	33	E	6.36	11.00	11.30	15.29	18.59	7.48
2	34	A	11.74	15.25	9.88	7.72	5.18	2.68
2	34	B	9.60	19.71	17.58	11.64	4.99	2.90
2	34	C	10.29	13.80	11.88	10.12	6.55	2.55
2	34	D	8.02	13.28	11.70	11.30	6.68	3.71
2	34	E	11.42	20.46	17.76	11.80	5.83	2.60
2	37	A	10.53	12.73	9.40	9.76	7.77	2.94
2	37	B	9.99	11.66	7.18	7.49	5.50	2.71
2	37	C	9.45	12.20	8.97	9.91	7.83	3.42
2	37	D	10.18	11.96	8.77	7.97	6.83	2.69
2	37	E	9.21	12.36	8.98	9.57	7.88	3.62

NOTE: CRUISE NUMBERS "2" AND "3" REPRESENT THE SUMMER (JULY 16-AUGUST 5, 1981) AND WINTER (JANUARY 28-FEBRUARY 15, 1982) CRUISES, RESPECTIVELY.

TABLE . SW FLORIDA SHELF ECOSYSTEMS STUDY YEAR II; SURFICIAL SEDIMENT GRAIN SIZE DISTRIBUTIONS, SUMMER CRUISE (YEAR II). PART C: GRAIN SIZE RANGE = 0.062 TO < 0.001 MM (SILT/CLAYS). LISTINGS REPRESENT PERCENTAGES OF EACH SAMPLE WHICH HAD GRAIN SIZES WITHIN DESIGNATED SIZE CATEGORIES.

CRUISE	STATION	REPLICATE	.031-.062MM	.016-.031MM	.008-.016MM	.004-.008MM	.002-.004MM	.001-.002MM	<.001MM
2	4	A	3.59	3.31	0.89	0.63	0.58	0.45	0.71
2	4	B	3.97	4.75	1.11	0.96	0.84	0.56	0.65
2	4	C	3.84	4.52	1.28	0.90	0.75	0.58	0.58
2	4	D	2.39	3.65	0.89	0.62	0.62	0.37	0.48
2	4	E	2.16	3.02	0.86	0.53	0.51	0.30	0.44
2	5	A	1.27	1.84	0.46	0.30	0.30	0.23	0.26
2	5	B	1.59	1.03	0.74	0.36	0.42	0.29	0.45
2	5	C	1.79	1.24	0.80	0.51	0.59	0.42	0.46
2	5	D	1.08	1.02	0.62	0.29	0.21	0.33	0.82
2	5	E	1.37	1.06	0.54	0.26	0.17	0.28	0.69
2	6	A	12.58	2.19	0.70	0.37	0.35	0.46	0.70
2	6	B	9.98	4.06	0.73	0.42	0.42	0.47	0.65
2	6	C	10.26	5.01	1.07	0.62	0.77	0.69	0.90
2	6	D	10.53	3.48	0.64	0.44	0.41	0.50	0.66
2	6	E	14.65	2.65	0.89	0.52	0.57	0.67	0.63
2	12	A	4.49	5.24	2.82	1.16	1.03	1.45	1.68
2	12	B	3.19	5.79	2.65	1.35	1.28	1.32	1.23
2	12	C	4.86	5.00	2.44	1.32	1.24	1.23	1.37
2	12	D	2.95	6.28	2.71	1.26	1.30	1.33	1.30
2	12	E	3.43	6.93	2.91	1.66	1.39	1.38	1.67
2	14	A	4.42	2.24	0.59	0.33	0.37	0.33	0.54
2	14	B	7.92	3.05	0.75	0.46	0.46	0.42	0.49
2	14	C	9.47	2.77	1.00	0.59	0.07	1.20	0.47
2	14	D	3.46	1.16	0.38	0.28	0.29	0.28	0.42
2	14	E	6.86	1.44	0.47	0.27	0.28	0.26	0.32
2	16	A	3.81	3.19	1.51	0.86	0.87	0.67	0.62
2	16	B	3.79	4.57	1.69	0.99	0.87	0.73	0.63
2	16	C	3.14	4.52	1.58	1.02	0.96	0.73	0.68
2	16	D	2.98	4.18	1.50	0.86	0.79	0.67	0.58
2	16	E	3.91	5.61	1.93	1.04	1.01	0.82	0.64
2	20	A	0.37	0.16	0.06	0.03	0.03	0.04	0.25
2	20	B	0.47	0.16	0.08	0.04	0.03	0.04	0.29
2	20	C	0.73	0.64	0.31	0.22	0.18	0.22	0.46
2	20	D	0.83	0.51	0.23	0.15	0.17	0.15	0.30
2	20	E	0.48	0.28	0.14	0.06	0.03	0.06	0.31
2	22	A	4.48	6.46	2.42	1.42	1.17	0.84	0.83
2	22	B	4.47	6.25	2.21	1.21	1.08	0.95	0.93
2	22	C	5.84	7.31	2.92	1.59	1.40	1.21	1.17
2	22	D	7.38	6.56	3.30	1.54	1.08	1.23	1.28
2	22	E	6.40	6.02	2.53	1.46	1.31	1.13	1.03
2	24	A	2.07	1.43	0.58	0.47	0.52	0.49	0.52
2	24	B	2.40	1.72	0.79	0.53	0.63	0.59	0.62
2	24	C	1.39	2.29	0.76	0.53	0.50	0.61	0.60
2	24	D	1.87	1.41	0.51	0.38	0.41	0.38	0.43
2	24	E	2.17	2.41	0.83	0.60	0.60	0.59	0.61
2	25	A	4.59	45.51	5.13	2.72	2.22	2.76	3.32
2	25	B	33.59	16.96	4.84	2.08	1.89	2.56	3.38
2	25	C	32.57	18.01	3.85	2.06	2.35	2.73	3.20
2	25	D	25.34	28.01	5.76	2.81	1.51	2.83	3.44
2	25	E	28.86	24.58	6.40	3.01	1.89	3.13	4.24

TABLE . SW FLORIDA SHELF ECOSYSTEMS STUDY YEAR II; SURFICIAL SEDIMENT GRAIN SIZE DISTRIBUTIONS, SUMMER CRUISE (YEAR II). PART C: GRAIN SIZE RANGE = 0.062 TO < 0.001 MM (SILT/CLAYS). LISTINGS REPRESENT PERCENTAGES OF EACH SAMPLE WHICH HAD GRAIN SIZES WITHIN DESIGNATED CATEGORIES.

CRUISE	STATION	REPLICATE	.031-.062MM	.016-.031MM	.008-.016MM	.004-.008MM	.002-.004MM	.001-.002MM	<.001MM
2	28	A	2.01	2.61	1.28	0.96	0.80	0.82	0.74
2	28	B	1.88	3.38	1.65	1.15	0.95	0.92	0.77
2	28	C	2.66	3.20	1.75	1.29	1.06	0.98	0.80
2	28	D	2.00	4.00	2.09	1.57	1.15	1.04	0.88
2	28	E	2.98	2.46	1.70	1.26	1.06	0.96	0.86
2	31	A	2.90	5.65	3.06	1.81	1.55	2.31	2.21
2	31	B	3.37	4.15	2.32	1.29	1.45	1.77	1.58
2	31	C	2.62	6.26	2.88	1.57	1.80	2.26	1.95
2	31	D	1.90	6.59	2.89	1.97	1.89	2.13	1.69
2	31	E	2.65	5.02	2.46	1.59	1.48	1.82	1.73
2	33	A	4.62	5.42	1.89	1.34	1.25	1.60	1.44
2	33	B	5.99	3.83	2.02	1.37	1.41	1.72	1.45
2	33	C	6.27	4.67	2.18	1.59	1.73	1.94	1.46
2	33	D	5.64	3.39	1.61	0.87	0.77	1.17	1.28
2	33	E	5.41	3.25	2.02	1.19	1.13	1.64	1.60
2	34	A	0.75	3.41	1.15	0.65	0.68	1.05	1.14
2	34	B	0.66	3.27	1.27	0.90	0.99	1.30	1.30
2	34	C	1.56	3.33	1.31	0.89	0.91	1.45	1.54
2	34	D	2.57	3.08	1.33	0.76	0.78	1.46	1.47
2	34	E	1.88	1.85	0.86	0.53	0.70	0.97	0.86
2	37	A	2.17	1.57	0.58	0.55	0.76	0.97	0.99
2	37	B	1.35	1.48	1.05	0.51	0.62	0.81	0.72
2	37	C	1.89	1.51	0.91	0.35	0.47	0.68	0.77
2	37	D	0.88	1.89	1.03	0.45	0.57	0.79	0.73
2	37	E	0.62	3.12	1.29	0.50	0.70	0.89	1.08

NOTE: CRUISE NUMBERS "2" AND "3" REPRESENT THE SUMMER (JULY 16-AUGUST 5, 1981) AND WINTER (JANUARY 28-FEBRUARY 15, 1982) CRUISES, RESPECTIVELY.

TABLE . SW FLORIDA SHELF ECOSYSTEMS STUDY YEAR II; SURFICIAL SEDIMENT GRAIN SIZE DISTRIBUTIONS, WINTER CRUISE (YEAR II). PART A: GRAIN SIZE RANGE = > 4.00 TO 0.50 MM. LISTINGS REPRESENT PERCENTAGES OF EACH SAMPLE WHICH HAD GRAIN SIZES WITHIN DESIGNATED SIZE CATEGORIES.

CRUISE	STATION	REPLICATE	>4.00 MM	2.80-4.00MM	2.00-2.80MM	1.40-2.00MM	1.00-1.40MM	0.71-1.00MM	0.50-0.71MM
3	04	A	0.67	0.84	3.69	7.41	16.97	25.59	10.45
3	04	B	0.38	1.42	2.96	8.25	16.59	17.85	17.52
3	04	C	0.28	0.65	2.61	6.57	13.06	16.15	17.13
3	04	D	0.36	0.98	3.46	9.03	17.68	18.36	16.19
3	04	E	0.35	0.57	2.59	7.47	14.85	18.38	17.60
3	05	A	1.18	0.48	1.68	4.67	10.20	9.95	10.97
3	05	B	1.38	1.52	2.83	6.76	16.02	16.44	14.69
3	05	C	0.38	0.79	2.77	7.46	20.03	12.37	15.37
3	05	D	0.28	0.65	2.54	7.36	16.14	16.07	14.41
3	05	E	0.42	0.67	2.10	5.40	14.77	15.42	15.14
3	06	A	0.74	0.66	0.94	1.53	1.97	2.30	2.68
3	06	B	0.09	0.19	0.28	0.58	1.01	1.45	1.91
3	06	C	0.00	0.03	0.07	0.17	0.38	0.61	1.03
3	06	D	0.09	0.13	0.15	0.31	0.49	0.82	1.42
3	12	A	0.23	0.45	0.69	2.41	4.10	5.72	9.88
3	12	B	0.38	0.21	0.64	1.10	2.02	2.49	3.63
3	12	C	0.40	0.40	1.49	4.41	7.86	11.23	16.95
3	12	D	0.23	0.24	0.60	1.82	3.57	4.87	7.46
3	12	E	0.40	0.56	0.73	1.45	2.41	3.17	4.30
3	14	A	0.08	0.12	0.24	0.57	0.82	1.24	1.91
3	14	B	0.06	0.13	0.32	0.61	1.09	1.49	2.21
3	14	C	0.16	0.10	0.42	0.61	1.01	1.67	2.81
3	14	D	0.22	0.05	0.26	0.47	0.73	1.01	1.59
3	14	E	0.00	0.14	0.35	0.55	0.81	1.17	1.78
3	16	A	3.81	2.04	8.05	14.23	18.93	14.21	12.05
3	16	B	1.71	1.08	2.89	6.72	12.26	14.52	17.79
3	16	C	2.06	0.96	2.10	2.77	3.61	3.83	5.23
3	16	D	0.06	0.69	2.74	7.59	14.79	17.57	19.70
3	16	E	0.67	0.60	1.75	3.10	5.27	6.08	8.16
3	20	A	0.00	0.13	0.41	0.95	2.78	8.75	24.07
3	20	B	0.04	0.39	0.89	2.07	7.28	17.46	27.17
3	20	C	0.13	0.16	0.38	1.45	6.18	17.86	26.36
3	20	D	0.31	0.34	0.58	2.79	10.00	23.38	24.85
3	20	E	0.41	0.56	0.71	1.70	4.67	14.98	25.40
3	22	A	1.22	1.08	1.56	1.60	1.97	2.84	4.88
3	22	B	0.16	0.50	2.34	5.23	11.79	18.67	17.04
3	22	C	0.52	0.47	0.82	1.16	1.48	2.11	3.76
3	22	D	0.14	0.34	0.82	1.49	2.40	3.37	5.17
3	22	E	2.58	1.79	1.85	2.22	2.83	3.60	5.05
3	24	A	0.04	0.20	0.53	1.09	2.90	4.11	6.43
3	24	B	0.16	0.19	0.78	1.80	5.19	7.82	13.09
3	24	C	0.03	0.17	0.59	1.56	3.98	6.21	8.29
3	24	D	0.15	0.08	0.16	0.88	3.37	6.33	11.02
3	24	E	0.20	0.22	0.33	1.65	6.24	12.13	21.00
3	25	A	0.14	0.25	0.39	0.69	0.86	1.03	1.15
3	25	B	0.00	0.05	0.10	0.25	0.51	0.73	1.02
3	25	C	0.00	0.00	0.10	0.22	0.54	0.62	0.94
3	25	D	0.00	0.09	0.11	0.32	0.79	0.95	1.45
3	25	E	0.00	0.00	0.04	0.10	0.19	0.41	0.81
3	28	A	0.52	0.72	1.46	1.80	2.96	4.33	6.87

TABLE . SW FLORIDA SHELF ECOSYSTEMS STUDY YEAR II; SURFICIAL SEDIMENT GRAIN SIZE DISTRIBUTIONS, WINTER CRUISE (YEAR II). PART A: GRAIN SIZE RANGE = > 4.00 TO 0.50 MM. LISTINGS REPRESENT PERCENTAGES OF EACH SAMPLE WHICH HAD GRAIN SIZES WITHIN DESIGNATED SIZE CATEGORIES.

CRUISE	STATION	REPLICATE	>4.00 MM	2.80-4.00MM	2.00-2.80MM	1.40-2.00MM	1.00-1.40MM	0.71-1.00MM	0.50-0.71MM
3	28	B	0.52	0.59	1.44	1.65	2.73	4.12	7.92
3	28	C	0.68	0.79	1.18	1.46	2.54	3.75	6.07
3	28	D	0.67	0.65	1.31	1.76	2.50	3.64	5.71
3	28	E	0.65	0.44	0.82	1.42	2.50	3.79	6.21
3	31	A	0.99	0.56	1.37	2.44	3.55	4.18	5.37
3	31	B	0.77	0.79	1.22	2.32	3.42	4.04	5.52
3	31	C	1.68	0.53	0.77	1.18	1.59	2.04	3.46
3	31	D	1.34	1.01	1.63	2.56	3.84	3.90	4.88
3	31	E	1.04	0.55	1.50	2.49	3.38	4.44	5.41
3	33	A	0.34	0.38	0.60	1.04	1.95	2.21	3.71
3	33	B	1.20	1.63	4.26	8.19	11.54	7.11	5.47
3	33	C	0.89	1.30	2.80	6.42	11.18	7.03	5.88
3	33	D	0.23	0.36	0.81	1.49	2.79	3.95	5.97
3	33	E	0.50	0.32	1.37	2.80	5.89	7.56	9.55
3	34	A	0.19	0.22	0.81	2.30	4.38	6.48	8.45
3	34	B	0.06	0.29	0.82	2.51	5.41	8.49	10.80
3	34	C	0.00	0.35	1.08	3.50	7.71	9.82	11.91
3	37	A	0.08	0.40	1.49	6.68	12.39	12.02	11.88
3	37	B	0.58	1.73	6.94	13.77	18.94	14.15	11.45
3	37	C	0.24	0.16	0.87	4.88	10.57	10.62	12.40
3	37	D	0.29	0.42	1.60	7.53	13.97	13.58	12.46
3	37	E	0.04	0.32	1.14	5.89	11.67	11.53	11.74

NOTE: CRUISE NUMBERS "2" AND "3" REPRESENT THE SUMMER (JULY 16-AUGUST 5, 1981) AND WINTER (JANUARY 28-FEBRUARY 15, 1982) CRUISES, RESPECTIVELY.

TABLE . SW FLORIDA SHELF ECOSYSTEMS STUDY YEAR II; SURFICIAL SEDIMENT GRAIN SIZE DISTRIBUTIONS, WINTER CRUISE (YEAR II). PART B: GRAIN SIZE RANGE = 0.500 TO 0.063 MM. LISTINGS REPRESENT PERCENTAGES OF EACH SAMPLE WHICH HAD GRAIN SIZES WITHIN DESIGNATED SIZE CATEGORIES.

CRUISE	STATION	REPLICATE	0.355-0.500MM	0.250-0.355MM	0.180-0.250MM	0.125-0.180MM	0.090-0.125MM	0.063-0.090MM
3	04	A	12.61	10.65	3.08	1.64	0.95	0.65
3	04	B	13.28	10.29	2.71	1.73	1.05	0.80
3	04	C	13.80	12.33	3.96	2.21	1.57	1.24
3	04	D	10.89	8.70	2.67	1.64	1.26	0.93
3	04	E	13.16	10.67	3.28	1.70	1.15	0.94
3	05	A	11.40	12.78	7.20	7.27	6.02	2.64
3	05	B	13.42	12.14	4.38	3.34	1.99	0.97
3	05	C	13.73	12.75	4.49	3.52	2.02	0.98
3	05	D	12.92	12.83	5.34	4.17	2.34	1.10
3	05	E	14.92	13.95	5.46	4.53	2.42	1.36
3	06	A	2.57	5.87	12.88	25.45	20.21	11.95
3	06	B	2.35	7.35	18.91	29.29	16.44	8.10
3	06	C	6.84	9.22	14.53	24.40	19.33	12.80
3	06	D	1.85	4.72	12.26	22.75	22.15	13.60
3	12	A	10.17	10.80	8.51	12.71	12.18	3.67
3	12	B	5.87	11.44	10.88	16.10	20.39	4.85
3	12	C	17.48	12.39	5.28	5.56	4.43	2.08
3	12	D	12.40	23.06	11.61	8.86	8.80	3.41
3	12	E	5.20	9.90	9.91	15.95	19.19	5.39
3	14	A	2.80	8.17	19.92	26.09	17.06	7.19
3	14	B	3.21	9.24	18.38	28.83	15.52	6.83
3	14	C	3.72	8.66	16.81	23.92	18.13	7.40
3	14	D	2.09	5.58	11.66	24.64	18.13	9.65
3	14	E	2.12	6.44	14.07	23.61	18.68	10.25
3	16	A	8.11	7.87	2.98	2.01	0.98	0.63
3	16	B	14.40	13.14	4.08	2.33	1.41	0.92
3	16	C	6.56	14.39	13.81	16.22	9.46	4.78
3	16	D	14.68	10.97	2.90	1.71	0.83	0.55
3	16	E	8.10	12.24	10.11	11.54	9.73	4.09
3	20	A	26.86	26.72	5.66	1.09	0.21	0.13
3	20	B	21.82	16.76	3.26	0.79	0.17	0.13
3	20	C	21.19	18.45	4.63	1.14	0.32	0.25
3	20	D	16.14	15.45	3.99	1.20	0.30	0.18
3	20	E	24.85	21.12	3.49	0.72	0.20	0.14
3	22	A	6.36	12.80	12.48	13.18	12.11	5.73
3	22	B	9.61	7.21	3.21	3.71	3.82	2.59
3	22	C	6.04	13.63	13.18	14.27	13.25	5.96
3	22	D	6.05	11.85	11.61	13.23	12.31	6.45
3	22	E	5.59	11.89	12.21	12.75	11.45	5.47
3	24	A	9.53	16.59	16.67	17.53	10.22	3.70
3	24	B	15.64	18.79	10.43	8.54	5.96	2.50
3	24	C	12.44	21.94	17.56	14.41	5.67	2.30
3	24	D	18.00	23.73	12.68	9.29	5.64	2.16
3	24	E	21.76	17.65	6.89	4.85	2.70	1.22
3	25	A	1.00	2.14	2.29	4.10	9.20	9.09
3	25	B	0.97	2.12	2.40	4.70	10.07	10.20
3	25	C	0.91	2.19	2.65	5.48	11.23	12.44
3	25	D	1.33	2.38	2.52	4.96	11.33	8.84
3	25	E	1.11	2.69	2.89	5.69	11.37	11.68
3	28	A	8.42	16.50	17.75	17.73	6.98	2.36

TABLE . SW FLORIDA SHELF ECOSYSTEMS STUDY YEAR II; SURFICIAL SEDIMENT GRAIN SIZE DISTRIBUTIONS, WINTER CRUISE (YEAR II). PART B: GRAIN SIZE RANGE = 0.500 TO 0.063 MM. LISTINGS REPRESENT PERCENTAGES OF EACH SAMPLE WHICH HAD GRAIN SIZES WITHIN DESIGNATED SIZE CATEGORIES.

CRUISE	STATION	REPLICATE	0.355-0.500MM	0.250-0.355MM	0.180-0.250MM	0.125-0.180MM	0.090-0.125MM	0.063-0.090MM
3	28	B	12.23	25.02	16.93	12.00	4.22	1.48
3	28	C	8.05	17.43	18.39	18.92	7.78	2.13
3	28	D	6.94	15.67	19.46	20.53	7.84	2.59
3	28	E	8.63	16.89	19.15	18.06	7.30	2.08
3	31	A	5.90	10.15	9.67	16.43	13.86	6.24
3	31	B	6.12	10.69	10.03	16.75	14.07	5.51
3	31	C	5.07	10.69	11.57	18.28	17.21	6.17
3	31	D	5.50	10.17	10.19	16.68	14.92	5.43
3	31	E	6.29	10.39	10.44	16.43	13.26	5.38
3	33	A	5.35	11.35	11.43	15.95	19.12	9.26
3	33	B	5.08	7.34	5.56	8.48	11.59	6.59
3	33	C	5.75	8.21	7.12	9.06	11.96	6.93
3	33	D	7.75	13.54	12.13	15.36	14.86	7.20
3	33	E	10.31	16.32	12.27	11.99	9.76	3.94
3	34	A	11.52	21.56	18.04	11.12	4.48	2.22
3	34	B	12.77	18.70	11.59	8.12	5.93	3.00
3	34	C	11.07	16.85	13.00	11.45	4.20	2.00
3	37	A	8.98	11.36	8.05	9.90	6.66	3.37
3	37	B	7.52	8.35	4.27	4.44	3.00	1.22
3	37	C	10.11	12.44	8.45	10.15	6.98	4.11
3	37	D	9.89	11.09	7.22	7.71	5.30	2.66
3	37	E	10.17	13.06	8.67	9.35	7.32	2.94

NOTE: CRUISE NUMBERS "2" AND "3" REPRESENT THE SUMMER (JULY 16-AUGUST 5, 1981) AND WINTER (JANUARY 28-FEBRUARY 15, 1982) CRUISES, RESPECTIVELY.

TABLE . SW FLORIDA SHELF ECOSYSTEMS STUDY YEAR II; SURFICIAL SEDIMENT GRAIN SIZE DISTRIBUTIONS, WINTER CRUISE (YEAR II). PART C: GRAIN SIZE RANGE = 0.062 TO < 0.001 MM (SILT/CLAYS). LISTINGS REPRESENT PERCENTAGES OF EACH SAMPLE WHICH HAD GRAIN SIZES WITHIN DESIGNATED SIZE CATEGORIES.

CRUISE	STATION	REPLICATE	.031-.062MM	.016-.031MM	.008-.016MM	.004-.008MM	.002-.004MM	.001-.002MM	<.001MM
3	4	A	1.29	1.24	0.52	0.31	0.31	0.33	0.80
3	4	B	1.25	1.33	0.62	0.31	0.31	0.34	1.03
3	4	C	2.04	2.45	0.97	0.71	0.69	0.59	0.99
3	4	D	3.78	1.72	1.34	0.88	0.86	0.84	1.36
3	4	E	2.18	1.44	0.90	0.63	0.56	0.59	0.99
3	5	A	3.71	3.12	1.89	0.74	0.85	1.85	1.39
3	5	B	1.18	0.90	0.48	0.26	0.32	0.28	0.71
3	5	C	1.14	0.68	0.37	0.23	0.24	0.16	0.52
3	5	D	1.13	0.91	0.53	0.30	0.23	0.31	0.45
3	5	E	0.91	0.97	0.44	0.22	0.22	0.17	0.51
3	6	A	7.74	1.08	0.22	0.17	0.12	0.19	0.73
3	6	B	7.21	2.26	0.58	0.32	0.34	0.39	0.97
3	6	C	6.75	1.69	0.54	0.34	0.35	0.47	0.46
3	6	D	11.22	4.81	0.89	0.41	0.35	0.37	1.25
3	12	A	4.17	5.80	2.64	1.45	1.34	1.30	1.78
3	12	B	5.61	3.28	4.75	1.73	1.69	1.57	1.39
3	12	C	3.01	1.75	2.15	0.78	0.83	0.69	0.83
3	12	D	4.12	3.40	3.86	0.64	0.15	0.06	0.86
3	12	E	6.19	5.49	4.73	2.63	0.72	0.46	1.24
3	14	A	8.46	2.25	0.79	0.51	0.55	0.51	0.72
3	14	B	7.06	1.92	0.86	0.46	0.57	0.46	0.74
3	14	C	8.25	3.27	0.81	0.52	0.49	0.49	0.78
3	14	D	10.81	6.88	1.95	1.06	1.10	0.92	1.24
3	14	E	11.74	4.43	1.03	0.52	0.58	0.58	1.14
3	16	A	0.79	1.03	0.52	0.33	0.21	0.30	0.91
3	16	B	1.43	2.08	0.84	0.59	0.49	0.48	0.84
3	16	C	5.06	3.58	1.73	1.08	0.93	0.69	1.17
3	16	D	1.51	1.11	0.60	0.44	0.34	0.30	0.93
3	16	E	6.04	4.88	2.23	1.40	1.13	1.08	1.83
3	20	A	0.62	0.37	0.25	0.11	0.11	0.14	0.64
3	20	B	0.49	0.34	0.27	0.13	0.10	0.13	0.53
3	20	C	0.40	0.34	0.11	0.12	0.05	0.12	0.37
3	20	D	0.18	0.08	0.02	0.02	0.00	0.02	0.20
3	20	E	0.15	0.26	0.13	0.06	0.02	0.02	0.43
3	22	A	7.77	5.99	2.60	1.28	0.84	1.58	2.12
3	22	B	3.64	4.08	1.86	0.89	0.60	1.16	1.90
3	22	C	6.84	7.55	2.92	1.48	1.22	1.33	2.04
3	22	D	7.61	8.11	2.96	1.47	1.32	1.21	2.13
3	22	E	6.39	6.33	2.59	1.30	1.31	1.02	1.78
3	24	A	2.25	3.20	1.24	0.61	0.51	0.78	1.86
3	24	B	1.97	2.70	1.00	0.74	0.53	1.03	1.16
3	24	C	1.68	1.00	0.48	0.23	0.16	0.20	1.10
3	24	D	2.12	1.46	0.64	0.31	0.23	0.45	1.29
3	24	E	1.08	0.65	0.30	0.09	0.09	0.19	0.78
3	25	A	31.11	20.86	5.11	3.34	4.66	0.60	2.00
3	25	B	30.83	22.25	3.54	1.54	1.35	2.26	5.11
3	25	C	28.11	18.43	4.45	2.20	1.60	3.26	4.63
3	25	D	18.60	30.26	5.79	2.41	2.28	3.16	2.45
3	25	E	12.01	31.84	5.44	2.92	2.22	3.15	5.46
3	28	A	1.92	3.33	1.46	0.65	1.12	0.98	2.15

TABLE . SW FLORIDA SHELF ECOSYSTEMS STUDY YEAR II; SURFICIAL SEDIMENT GRAIN SIZE DISTRIBUTIONS, WINTER CRUISE (YEAR II). PART C: GRAIN SIZE RANGE = 0.062 TO < 0.001 MM (SILT/CLAYS). LISTINGS REPRESENT PERCENTAGES OF EACH SAMPLE WHICH HAD GRAIN SIZES WITHIN DESIGNATED CATEGORIES.

CRUISE	STATION	REPLICATE	.031-.062MM	.016-.031MM	.008-.016MM	.004-.008MM	.002-.004MM	.001-.002MM	<.001MM
3	28	B	1.46	2.54	1.17	0.53	0.89	0.84	1.73
3	28	C	1.87	3.16	1.44	0.53	1.22	0.95	1.66
3	28	D	2.65	2.87	1.44	0.29	1.26	0.73	1.48
3	28	E	2.71	3.02	1.21	0.68	1.04	1.52	1.89
3	31	A	2.80	6.07	2.62	1.40	1.59	1.98	2.83
3	31	B	4.83	4.05	2.43	1.25	1.58	2.03	2.58
3	31	C	4.19	5.02	2.33	1.54	1.81	2.14	2.74
3	31	D	4.38	4.31	2.14	0.90	1.56	1.74	2.92
3	31	E	3.89	4.94	2.31	0.92	1.65	1.88	3.30
3	33	A	5.45	3.99	1.66	1.02	1.30	1.74	2.17
3	33	B	3.94	3.74	1.64	1.02	1.20	1.64	2.80
3	33	C	2.88	4.68	1.76	1.07	1.21	1.58	2.29
3	33	D	3.00	4.15	1.34	0.87	1.04	1.37	1.79
3	33	E	2.09	1.91	0.67	0.39	0.57	0.69	1.13
3	34	A	1.32	2.39	0.81	0.71	0.65	0.87	1.52
3	34	B	2.77	2.40	1.20	0.85	0.83	1.22	2.23
3	34	C	1.93	1.80	0.32	0.54	0.34	0.63	1.49
3	37	A	1.92	1.19	0.57	0.71	0.78	0.64	0.92
3	37	B	1.04	0.86	0.37	0.29	0.32	0.52	1.35
3	37	C	1.72	2.11	0.72	0.55	0.51	0.94	1.47
3	37	D	1.35	1.67	0.43	0.41	0.35	0.76	1.30
3	37	E	1.37	1.67	0.43	0.35	0.26	0.69	1.39

NOTE: CRUISE NUMBERS "2" AND "3" REPRESENT THE SUMMER (JULY 16-AUGUST 5, 1981) AND WINTER (JANUARY 28-FEBRUARY 15, 1982) CRUISES, RESPECTIVELY.

Table . Sediment characteristics by cruise and station.

Station	Cruise	Statistic	Mean Grain Size (ϕ)	Median Grain Size (ϕ)	Inclusive Graphic Standard Deviation (ϕ)	Skewness	Kurtosis	Silt/Clay Ratio	% Carbonate	Sediment Type
2	Fall	Mean	1.21	1.24	1.21	0.07	1.26	4.55	72.04	Med. Sand
		Var.	1.49	1.54	0.13	0.02	0.06	7.95	456.25	
		Std. Dev.	1.22	1.24	0.36	0.14	0.24	2.82	21.36	
	Spring	Mean	2.67	2.69	0.65	0.05	1.22	4.76	40.58	Fine Sand
		Var.	0.00	0.00	0.00	0.00	0.01	2.36	17.26	
		Std. Dev.	0.06	0.06	0.06	0.06	0.08	1.53	4.15	
4	Fall	Mean	0.91	0.91	1.45	0.16	1.26	7.91	98.88	Coarse Sand
		Var.	0.06	0.02	0.02	0.00	0.01	2.43	0.20	
		Std. Dev.	0.24	0.14	0.13	0.05	0.10	1.56	0.45	
	Spring	Mean	1.34	1.47	1.60	0.14	1.22	12.41	97.27	Med. Sand
		Var.	0.83	0.63	0.02	0.04	0.01	29.56	0.87	
		Std. Dev.	0.91	0.79	0.14	0.19	0.08	5.44	0.93	
	Summer	Mean	1.06	0.93	1.58	0.22	1.25	10.45		Med. Sand
		Var.	0.02	0.01	0.02	0.00	0.00	3.78	--	
		Std. Dev.	0.13	0.12	0.15	0.05	0.05	1.95		
	Winter	Mean	0.71	0.59	1.35	0.28	1.36	6.72		Coarse Sand
		Var.	0.01	0.02	0.00	0.00	0.00	2.13	--	
		Std. Dev.	0.11	0.14	0.05	0.04	0.03	1.46		

Table . Sediment characteristics by cruise and station (continued).

Station	Cruise	Statistic	Mean Grain Size (ϕ)	Median Grain Size (ϕ)	Inclusive Graphic Standard Deviation (ϕ)	Skewness	Kurtosis	Silt/Clay Ratio	% Carbonate	Sediment Type
5	Fall	Mean	0.88	0.87	1.42	0.14	1.11	5.47	97.09	Coarse Sand
		Var.	0.01	0.01	0.01	0.00	0.00	1.10	1.14	
		Std. Dev.	0.09	0.09	0.12	0.07	0.04	1.05	1.07	
	Spring	Mean	0.77	0.90	1.37	0.21	1.09	5.04	94.02	Coarse Sand
		Var.	0.04	0.04	0.03	0.00	0.01	4.68	20.81	
		Std. Dev.	0.20	0.20	0.16	0.06	0.09	2.16	4.56	
	Summer	Mean	0.86	0.74	1.36	0.24	1.05	4.78		Coarse Sand
		Var.	0.00	0.01	0.01	0.01	0.01	0.30	--	
		Std. Dev.	0.05	0.07	0.07	0.08	0.09	0.55		
	Winter	Mean	0.97	0.89	1.35	0.15	1.02	5.66		Coarse Sand
		Var.	0.11	0.09	0.04	0.00	0.01	15.64	--	
		Std. Dev.	0.34	0.30	0.19	0.02	0.07	3.96		
6	Fall	Mean	3.26	3.25	1.06	-0.06	0.98	23.74	85.93	Very
		Var.	0.01	0.01	0.00	0.00	0.00	8.18	1.56	Fine Sand
		Std. Dev.	0.09	0.11	0.04	0.01	0.05	2.86	1.25	
	Spring	Mean	3.05	3.11	1.03	0.01	1.28	17.83	82.60	Very
		Var.	0.00	0.01	0.00	0.00	0.01	4.78	19.58	Fine Sand
		Std. Dev.	0.07	0.08	0.02	0.03	0.08	2.19	4.43	

Table . Sediment characteristics by cruise and station (continued).

Station	Cruise	Statistic	Mean Grain Size (ϕ)	Median Grain Size (ϕ)	Inclusive Graphic Standard Deviation (ϕ)	Skewness	Kurtosis	Silt/Clay Ratio	% Carbonate	Sediment Type
6	Summer	Mean	3.13	3.08	1.03	0.00	1.30	18.12		Very
		Var.	0.00	0.00	0.01	0.00	0.02	2.41	--	Fine Sand
		Std. Dev.	0.05	0.04	0.07	0.05	0.12	1.55		
	Winter	Mean	2.91	2.90	1.05	-1.70	1.30	13.05		Fine Sand
		Var.	0.02	0.02	0.01	8.29	0.04	13.39	--	
		Std. Dev.	0.16	0.13	0.11	2.88	0.21	3.66		
8	Fall	Mean	2.51	2.39	1.23	0.14	1.07	14.73	95.92	Fine Sand
		Var.	0.08	0.11	0.00	0.01	0.01	7.29	2.10	
		Std. Dev.	0.29	0.33	0.06	0.08	0.12	2.70	1.45	
	Spring	Mean	2.67	2.77	1.39	0.06	1.04	19.51	93.24	Fine Sand
		Var.	0.03	0.02	0.09	0.00	0.04	58.33	1.94	
		Std. Dev.	0.17	0.15	0.30	0.05	0.20	7.64	1.39	
12	Fall	Mean	2.56	2.45	1.57	0.01	0.86	21.09	96.69	Fine Sand
		Var.	0.02	0.08	0.00	0.02	0.00	2.96	2.66	
		Std. Dev.	0.15	0.29	0.06	0.13	0.07	1.72	1.63	
	Spring	Mean	1.85	2.20	1.61	0.23	0.93	17.46	96.15	Medium Sand
		Var.	0.01	0.01	0.00	0.00	0.00	2.48	3.21	
		Std. Dev.	0.10	0.07	0.04	0.04	0.03	1.57	1.79	

Table . Sediment characteristics by cruise and station (continued).

Station	Cruise	Statistic	Mean Grain Size (ϕ)	Median Grain Size (ϕ)	Inclusive Graphic Standard Deviation (ϕ)	Skewness	Kurtosis	Silt/Clay Ratio	% Carbonate	Sediment Type
12	Summer	Mean	2.48	2.62	1.65	-0.17	1.07	17.73		Fine Sand
		Var.	0.01	0.01	0.01	0.00	0.00	0.81	--	
		Std. Dev.	0.12	0.09	0.10	0.01	0.06	0.90		
	Winter	Mean	2.31	2.24	1.49	0.03	1.10	16.61		Fine Sand
		Var.	0.27	0.39	0.01	0.02	0.01	18.86	--	
		Std. Dev.	0.52	0.63	0.10	0.15	0.11	4.34		
14	Fall	Mean	2.87	2.80	1.18	0.01	1.15	16.83	96.44	Fine Sand
		Var.	0.07	0.05	0.02	0.00	0.05	23.14	4.37	
		Std. Dev.	0.26	0.23	0.13	0.07	0.23	4.81	2.09	
	Spring	Mean	2.80	2.84	1.05	-0.02	1.19	15.55	93.54	Fine Sand
		Var.	0.12	0.21	0.01	0.03	0.01	80.54	21.23	
		Std. Dev.	0.35	0.45	0.09	0.17	0.12	8.97	4.61	
	Summer	Mean	2.81	2.77	0.90	0.10	1.37	10.81		Fine Sand
		Var.	0.02	0.01	0.01	0.00	0.00	11.11	--	
		Std. Dev.	0.12	0.09	0.07	0.04	0.05	3.33		
	Winter	Mean	2.95	2.86	1.07	0.40	1.23	16.88		Fine Sand
		Var.	0.02	0.02	0.00	0.44	0.02	19.52	--	
		Std. Dev.	0.16	0.13	0.04	0.67	0.12	4.42		

Table . Sediment characteristics by cruise and station (continued).

Station	Cruise	Statistic	Mean Grain Size (ϕ)	Median Grain Size (ϕ)	Inclusive Graphic Standard Deviation (ϕ)	Skewness	Kurtosis	Silt/Clay Ratio	% Carbonate	Sediment Type
16	Fall	Mean	1.87	1.71	1.63	0.11	1.06	14.66	95.70	Medium Sand
		Var.	0.58	0.71	0.02	0.03	0.01	15.60	0.27	
		Std. Dev.	0.76	0.84	0.13	0.16	0.11	3.95	0.52	
	Spring	Mean	2.12	2.09	1.47	-0.51	1.30	11.60	94.04	Fine Sand
		Var.	0.19	0.20	0.02	1.04	0.02	4.46	1.62	
		Std. Dev.	0.43	0.45	0.14	1.02	0.12	2.11	1.27	
	Summer	Mean	2.45	2.48	1.36	-0.10	1.45	12.79		Fine Sand
		Var.	0.00	0.00	0.02	0.00	0.01	1.61	--	
		Std. Dev.	0.04	0.04	0.14	0.04	0.12	1.27		
	Winter	Mean	1.25	1.22	1.51	0.09	1.23	9.78		Medium Sand
		Var.	0.67	0.78	0.03	0.02	0.03	31.89	--	
		Std. Dev.	0.82	0.88	0.18	0.14	0.17	5.65		
18	Fall	Mean	1.48	1.28	1.34	0.22	1.09	5.26	98.16	Medium Sand
		Var.	0.03	0.31	0.07	0.19	0.02	7.84	2.34	
		Std. Dev.	0.16	0.56	0.27	0.44	0.15	2.80	1.53	
	Spring	Mean	1.85	1.66	1.25	-0.18	1.04	3.95	99.45	Medium Sand
		Var.	0.06	0.04	0.02	0.01	0.04	0.92	0.05	
		Std. Dev.	0.24	0.19	0.13	0.07	0.20	0.96	0.22	

Table . Sediment characteristics by cruise and station (continued).

Station	Cruise	Statistic	Mean Grain Size (ϕ)	Median Grain Size (ϕ)	Inclusive Graphic Standard Deviation (ϕ)	Skewness	Kurtosis	Silt/Clay Ratio	% Carbonate	Sediment Type
20	Fall	Mean	0.96	0.98	0.89	-0.05	1.02	1.43	98.58	Coarse Sand
		Var.	0.01	0.02	0.00	0.00	0.00	0.16	0.02	
		Std. Dev.	0.10	0.15	0.06	0.06	0.03	0.40	0.13	
	Spring	Mean	1.09	1.06	0.77	-0.07	0.98	1.06	98.29	Medium Sand
		Var.	0.03	0.02	0.00	0.01	0.00	0.28	0.13	
		Std. Dev.	0.17	0.13	0.05	0.07	0.05	0.53	0.36	
	Summer	Mean	0.71	0.72	1.08	-0.07	1.09	1.71		Coarse Sand
		Var.	0.04	0.03	0.03	0.01	0.02	0.50	--	
		Std. Dev.	0.20	0.17	0.16	0.07	0.12	0.70		
	Winter	Mean	1.00	0.98	0.76	0.01	0.98	1.47		Medium Sand
		Var.	0.02	0.03	0.00	0.00	0.00	0.39	--	
		Std. Dev.	0.13	0.16	0.04	0.06	0.03	0.63		
22	Fall	Mean	1.84	1.62	1.81	0.11	1.08	16.71	94.35	Medium Sand
		Var.	0.40	0.59	0.02	0.03	0.04	11.29	4.16	
		Std. Dev.	0.63	0.77	0.15	0.16	0.19	3.36	2.04	
	Spring	Mean	1.92	2.01	1.75	0.04	1.00	18.87	95.91	Medium Sand
		Var.	0.64	0.45	0.03	0.04	0.06	40.09	0.71	
		Std. Dev.	0.80	0.67	0.18	0.21	0.23	6.33	0.84	
	Summer	Mean	2.46	2.45	1.68	-0.07	1.07	19.69		Fine Sand
		Var.	0.01	0.01	0.02	0.01	0.01	4.24	--	
		Std. Dev.	0.10	0.11	0.13	0.07	0.08	2.06		
	Winter	Mean	2.43	2.29	1.63	-1.35	1.01	21.04		Fine Sand
		Var.	0.27	0.54	0.02	7.66	0.01	13.75	--	
		Std. Dev.	0.52	0.74	0.15	2.77	0.09	3.71		

Table . Sediment characteristics by cruise and station (continued).

Station	Cruise	Statistic	Mean Grain Size (ϕ)	Median Grain Size (ϕ)	Inclusive Graphic Standard Deviation (ϕ)	Skewness	Kurtosis	Silt/Clay Ratio	% Carbonate	Sediment Type
24	Fall	Mean	1.71	1.66	1.46	0.08	1.17	7.91	96.26	Medium Sand
		Var.	0.01	0.04	0.01	0.01	0.06	1.64	3.39	
		Std. Dev.	0.11	0.19	0.12	0.10	0.25	1.28	1.84	
	Spring	Mean	1.63	1.64	1.31	0.04	1.21	7.33	98.32	Medium Sand
		Var.	0.29	0.35	0.08	0.01	0.01	21.94	1.36	
		Std. Dev.	0.54	0.59	0.29	0.09	0.11	4.68	1.17	
	Summer	Mean	1.96	1.94	1.19	0.04	1.17	6.55		Medium Sand
		Var.	0.01	0.01	0.00	0.00	0.01	1.16	--	
		Std. Dev.	0.08	0.11	0.06	0.05	0.10	1.08		
	Winter	Mean	1.77	1.74	1.21	-1.92	1.22	6.82		Medium Sand
		Var.	0.10	0.12	0.01	16.30	0.00	7.17	--	
		Std. Dev.	0.32	0.35	0.12	4.04	0.05	2.68		
25	Fall	Mean	4.15	4.33	0.88	-0.50	1.97	74.86	90.30	Silt/Clay
		Var.	0.00	0.00	0.02	0.00	0.08	4.00	2.66	
		Std. Dev.	0.05	0.02	0.13	0.05	0.29	2.00	1.63	
	Spring	Mean	4.28	4.09	0.84	-0.47	1.31	69.38	91.10	Silt/Clay
		Var.	0.00	0.00	0.00	0.00	0.01	11.17	3.28	
		Std. Dev.	0.03	0.04	0.04	0.02	0.12	3.34	1.81	

Table . Sediment characteristics by cruise and station (continued).

Station	Cruise	Statistic	Mean Grain Size (ϕ)	Median Grain Size (ϕ)	Inclusive Graphic Standard Deviation (ϕ)	Skewness	Kurtosis	Silt/Clay Ratio	% Carbonate	Sediment Type
25	Summer	Mean	4.05	4.26	0.90	-0.48	1.31	67.63		Silt/Clay
		Var.	0.00	0.00	0.00	0.00	0.01	7.98	--	
		Std. Dev.	0.03	0.03	0.02	0.01	0.12	2.83		
	Winter	Mean	4.03	4.23	0.91	-0.47	1.23	65.05		Silt/Clay
		Var.	0.00	0.00	0.00	0.00	0.02	3.98	--	
		Std. Dev.	0.02	0.02	0.04	0.03	0.13	1.99		
26	Fall	Mean	4.05	4.36	1.09	-0.50	2.19	78.63	92.59	Silt/Clay
		Var.	0.31	0.01	0.45	0.04	0.94	91.97	5.43	
		Std. Dev.	0.56	0.09	0.67	0.21	0.97	9.59	2.33	
	Spring	Mean	4.30	4.03	1.15	-0.59	1.99	71.25	91.24	Silt/Clay
		Var.	0.00	0.01	0.04	0.00	0.04	8.29	0.62	
		Std. Dev.	0.03	0.11	0.21	0.05	0.20	2.88	0.78	
28	Fall	Mean	2.09	1.98	1.37	0.10	1.28	12.16	98.50	Fine Sand
		Var.	0.29	0.34	0.02	0.01	0.01	9.73	0.14	
		Std. Dev.	0.54	0.58	0.15	0.09	0.09	3.12	0.37	
	Spring	Mean	2.31	2.26	1.26	-0.06	1.39	10.96	93.91	Fine Sand
		Var.	0.01	0.02	0.00	0.00	0.01	3.70	3.81	
		Std. Dev.	0.12	0.13	0.06	0.02	0.08	1.92	1.95	

Table . Sediment characteristics by cruise and station (continued).

Station	Cruise	Statistic	Mean Grain Size (ϕ)	Median Grain Size (ϕ)	Inclusive Graphic Standard Deviation (ϕ)	Skewness	Kurtosis	Silt/Clay Ratio	% Carbonate	Sediment Type
28	Summer	Mean	2.28	2.31	1.24	-0.03	1.49	11.14		Fine Sand
		Var.	0.01	0.00	0.01	0.00	0.01	1.38	--	
		Std. Dev.	0.07	0.05	0.11	0.06	0.08	1.17		
	Winter	Mean	2.11	2.16	1.32	-0.04	1.43	10.88		Fine Sand
		Var.	0.01	0.02	0.00	0.00	0.00	0.99	--	
		Std. Dev.	0.12	0.14	0.04	0.05	0.05	0.99		
31	Summer	Mean	2.35	2.50	1.77	-0.17	1.03	18.11	96.95	Fine Sand
		Var.	0.02	0.02	0.00	0.00	0.01	2.20	1.40	
		Std. Dev.	0.13	0.15	0.03	0.03	0.07	1.48	1.18	
	Winter	Mean	2.58	2.68	1.62	-0.16	1.14	18.95	79.95	Fine Sand
		Var.	0.02	0.00	0.01	0.01	0.00	0.36	19.55	
		Std. Dev.	0.12	0.07	0.09	0.03	0.05	0.60	4.42	
33	Summer	Mean	2.69	2.80	1.43	-0.15	1.10	17.23	96.30	Fine Sand
		Var.	0.04	0.02	0.02	0.00	0.00	2.91	1.03	
		Std. Dev.	0.21	0.15	0.13	0.03	0.05	1.70	1.02	
	Winter	Mean	2.16	2.24	1.63	-1.74	0.92	13.95	81.51	Fine Sand
		Var.	0.17	0.16	0.08	10.90	0.03	12.07	4.62	
		Std. Dev.	0.41	0.40	0.28	3.30	0.18	3.47	2.15	

Table . Sediment characteristics by cruise and station (continued).

Station	Cruise	Statistic	Mean Grain Size (ϕ)	Median Grain Size (ϕ)	Inclusive Graphic Standard Deviation (ϕ)	Skewness	Kurtosis	Silt/Clay Ratio	% Carbonate	Sediment Type
34	Summer	Mean	1.75	1.76	1.48	0.51	1.08	9.72	96.41	Medium Sand
		Var.	0.01	0.03	0.01	0.84	0.02	1.94	0.36	
		Std. Dev.	0.12	0.16	0.12	0.92	0.14	1.39	0.60	
	Winter	Mean	1.73	1.75	1.40	-0.45	1.15	8.94	95.53	Medium Sand
		Var.	0.02	0.01	0.01	0.53	0.02	3.55	2.70	
		Std. Dev.	0.12	0.09	0.08	0.73	0.13	1.88	1.64	
37	Summer	Mean	1.42	1.35	1.58	0.11	0.90	7.05	94.70	Medium Sand
		Var.	0.01	0.03	0.00	0.00	0.00	0.51	2.63	
		Std. Dev.	0.12	0.18	0.03	0.07	0.02	0.72	1.62	
	Winter	Mean	1.22	1.09	1.53	0.17	0.91	6.38	95.16	Medium Sand
		Var.	0.13	0.19	0.00	0.01	0.00	1.10	5.89	
		Std. Dev.	0.36	0.44	0.05	0.08	0.06	1.05	2.43	

The Department of the Interior Mission

As the Nation's principal conservation agency, the Department of the Interior has responsibility for most of our nationally owned public lands and natural resources. This includes fostering sound use of our land and water resources; protecting our fish, wildlife, and biological diversity; preserving the environmental and cultural values of our national parks and historical places; and providing for the enjoyment of life through outdoor recreation. The Department assesses our energy and mineral resources and works to ensure that their development is in the best interests of all our people by encouraging stewardship and citizen participation in their care. The Department also has a major responsibility for American Indian reservation communities and for people who live in island territories under U.S. administration.

The Minerals Management Service Mission

As a bureau of the Department of the Interior, the Minerals Management Service's (MMS) primary responsibilities are to manage the mineral resources located on the Nation's Outer Continental Shelf (OCS), collect revenue from the Federal OCS and onshore Federal and Indian lands, and distribute those revenues.

Moreover, in working to meet its responsibilities, the **Offshore Minerals Management Program** administers the OCS competitive leasing program and oversees the safe and environmentally sound exploration and production of our Nation's offshore natural gas, oil and other mineral resources. The MMS **Minerals Revenue Management** meets its responsibilities by ensuring the efficient, timely and accurate collection and disbursement of revenue from mineral leasing and production due to Indian tribes and allottees, States and the U.S. Treasury.

The MMS strives to fulfill its responsibilities through the general guiding principles of: (1) being responsive to the public's concerns and interests by maintaining a dialogue with all potentially affected parties and (2) carrying out its programs with an emphasis on working to enhance the quality of life for all Americans by lending MMS assistance and expertise to economic development and environmental protection.