

CRUISE REPORT

SHIP UTILIZATION DATA

UNOLS
REV. 11/78

File - RPD

SHIP NAME R/V OCEANUS	OPERATING INST. W.H.O.I.	PARTICIPATING PERSONNEL			
CRUISE (LEG) NO. 113	DATES 26 Jan-4 Feb 1982	CODE	NAME	TITLE	AFFILIATION
AREA OF OPERATIONS: N. Atlantic Ocean (Woods Hole-Woods Hole)	PORT CALLS: PLACE	DATES	1. Dr. Bradford Butman	Oceanographer	U.S.G.S.
			2. Mr. John Larson	Electronic Tech.	"
DAYS AT SEA 10	DAYS IN PORT 0		3. Mr. Frank Musialowski	Geologist	"
			4. Ms. Marlene Noble	Physical Oceanographer	"
			5. Ms. Carol Parmenter	Geologist	"

(26 Jan-4 Feb 1982) WAS RESEARCH CONDUCTED IN FOREIGN WATERS? No COUNTRY: _____

PRIMARY PROJECTS (those which govern the principal operations, area and movements of the ship)

PROJECT TITLE AND PRINCIPAL INVESTIGATOR	SPONSORING ACTIVITY	GRANT OR CONTRACT NUMBER	PARTICIPATING PERSONNEL (AS CODED ABOVE)
"U.S.G.S. Sediment Dynamics" Dr. Bradford Butman	U.S.G.S.	14-08-0001-18920	1-12

ANCILLARY PROJECTS (which are accomplished on a not-to-interfere basis and contribute to the overall effectiveness of the cruise)

PROJECT TITLE AND PRINCIPAL INVESTIGATOR	SPONSORING ACTIVITY	GRANT OR CONTRACT NUMBER	PARTICIPATING PERSONNEL (AS CODED ABOVE)

SIGNATURE *Bradford Butman* DATE 3/23/82
 CHIEF SCIENTIST - Bradford Butman

(Continue personnel and project listings on reverse if additional space needed)

ATTACH PAGE SIZE CRUISE TRACK

COST ALLOCATION DATA

DAYS CHARGED	AGENCY OR ACTIVITY CHARGED	GRANT OR CONTRACT NO.
10	U.S.G.S. (Funded thru National Science Foundation)	OCE80-22421

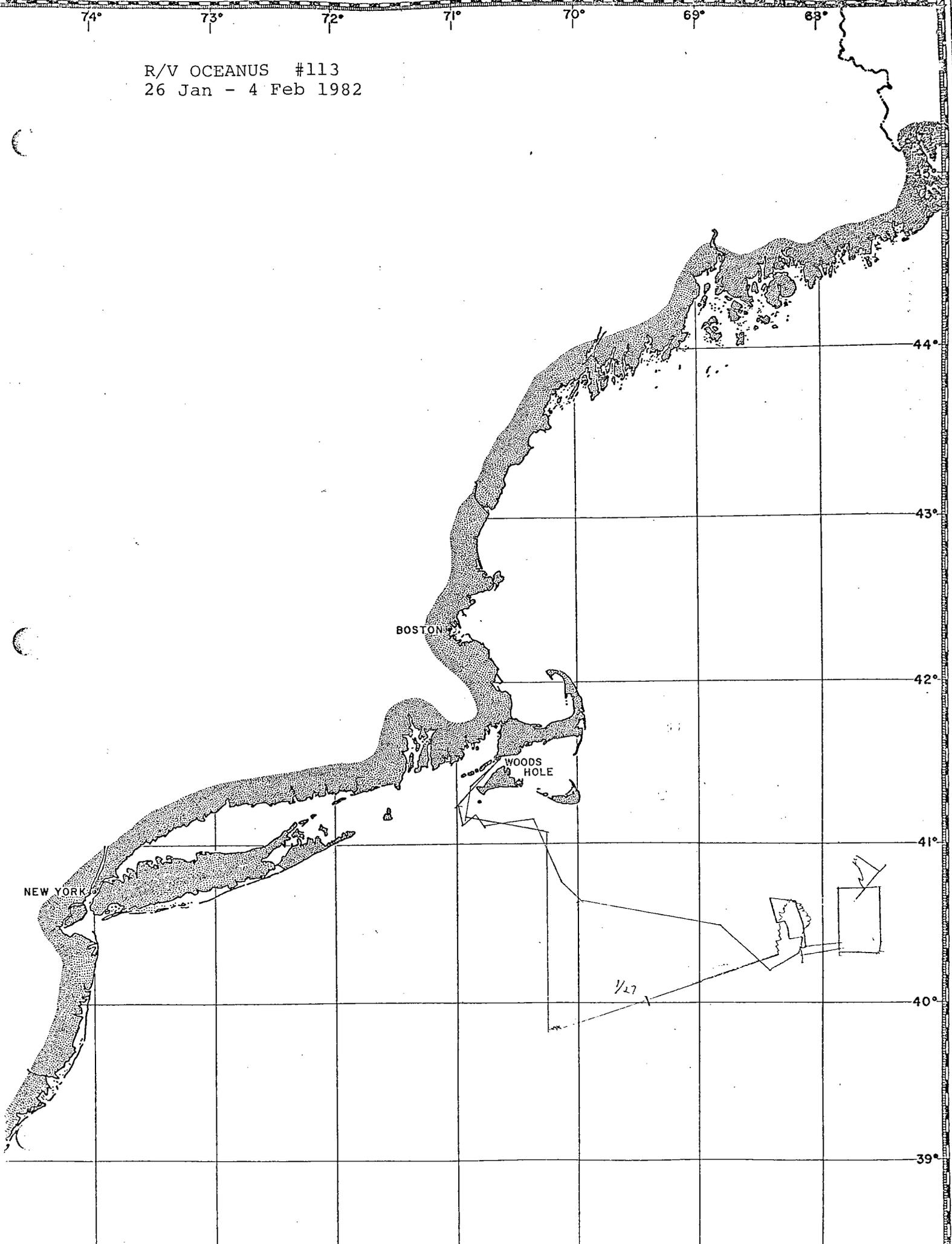
SIGNATURE *R. P. Dinsmore* DATE 3/30/82
 Institution Official R. P. Dinsmore

R/V OCEANUS #113

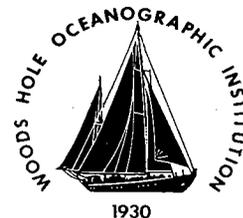
6.	Mr. Richard Rendigs	Geologist	U.S.G.S.
7.	Ms. Maryanne Shoukimas	Computer Specialist	"
8.	Mr. William Strahle	Electrical Engineer	"
9.	Dr. Michael Bothner	Oceanographer	"
10.	Mr. Donald McElroy	Geologist	"
11.	Mr. Andrew Eliason	Engineer	Eliason Data Service
12.	Ms. Patrica Hughes	Administrative Asst.	Massachusetts C. Z. M.

74° 73° 72° 71° 70° 69° 68°

R/V OCEANUS #113
26 Jan - 4 Feb 1982



Woods Hole Oceanographic Institution
Woods Hole, MA 02543
Phone: (617) 548-1400
Telex: 951679



18 January 1982

Captain Paul C. Howland
Research Vessel OCEANUS
Woods Hole, Massachusetts

Dear Captain Howland:

On or about 23 January 1982, your vessel being ready for sea and weather permitting, you will depart Woods Hole, Massachusetts on Voyage #113. This cruise is for the United States Geological Survey.

The purpose of this cruise is to recover and deploy current meter and tripod moorings on the Continental Shelf in the vicinity of Georges Bank and Lydonia Canyon. Mooring activities will include the recovery to 2 tripods, 7 subsurface current meter moorings, and 2 surface marker buoys and the deployment of 3 tripods, 13 subsurface moorings and 7 surface marker buoys. An experimental tripod system will be launched and recovered. Additional scientific activities will include CTD, XBT, and suspended sediment and grab sample stations.

The scientific personnel on this cruise, under the direction of Dr. Bradford Butman, Chief Scientist, are: (Except as noted all personnel are from the U.S. Geological Survey.)

Voyage #113
23 January - 1 February
Woods Hole - Woods Hole

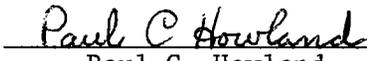
Dr. Bradford Butman, Chief Scientist	Ms. Maryanne Shoukimas
Mr. John Larson	Mr. William Strahle
Mr. Frank Musialowski	Dr. Michael Bothner
Ms. Marlene Noble	Mr. Andrew Eliason, Eliason Data Service
Ms. Carol Parmenter	Mr. Donald McElroy
Mr. Richard Rendigs	Ms. Patricia Hughes, Mass. C.Z.M.

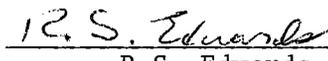
Please advise the Port Office of all personnel changes prior to departure and maintain twice daily schedules with KXC713 or via satellite on assigned frequencies, and submit to the Port Office at radio contact on Mondays and Thursdays a situation report from Master and Chief Scientist.

I wish you a pleasant and successful voyage.

Yours very truly,


Bradford Butman
Chief Scientist


Paul C. Howland
Captain


R.S. Edwards
Marine Superintendent

SHIP TIME REQUEST

DEPARTMENT U.S.GEOLOGICAL SURVEY	CY 1982	DEC 8 1981
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SHIP REQUESTED (if no specific ship, leave blank) OCEANUS	PRINCIPAL SHIP USE <input checked="" type="checkbox"/> (where project will be chief use of ship) ANCILLARY SHIP USE <input type="checkbox"/> (on a shared or not-to-interfere basis)
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PURPOSE (project title and brief outline of scientific objective) Study of currents and sediment movement on the continental shelf of the United States.

CHIEF INVESTIGATOR (name, title, address, tele.no:) Brad Butman U.S.G.S. Woods Hole 548-8700	OTHER SCIENTISTS INVOLVED Dr. Fred Grassle W.H.O.I. Woods Hole
TOTAL NUMBER OF SHIPBOARD PARTY 12	

PROJECT REQUIREMENTS

SHIP REQUIREMENT (large, small & why) Mid-size for mooring work and hydrography	MINIMUM NUMBER OF SHIP DAYS NEEDED 24
SHIPBOARD EQUIPMENT NEEDED Hydro-Winch, Crane	OPTIMUM INCLUSIVE DATES Feb., July, December 82 (8 days each)
SPECIALIZED FACILITIES OR INSTRUMENTS REQUIRED None	ACCEPTABLE ALTERNATIVES
SUPPORTING PERSONNEL NEEDED (technicians) None	AREA OF OPERATIONS (attach page size track chart) Georges Bank
EXPLOSIVES CARRIED	UNDERWAY and/or STATION REQUIREMENTS (attach sampling plan if available)
RADIOACTIVE MATERIAL	

FUNDING STATUS

FUNDED			NOT-FUNDED		
FUNDING AGENCY			PROPOSAL SUBMITTED <input type="checkbox"/> TO: Bureau of Land Management		
GRANT NO:			WILL BE SUBMITTED <input type="checkbox"/>		
AMOUNT OR ANNUAL RATE			DATE:		
BEGIN. DATE			AMOUNT REQUESTED:		
DURATION			NEW PROPOSAL <input type="checkbox"/> or RENEWAL OF GRANT NO:		

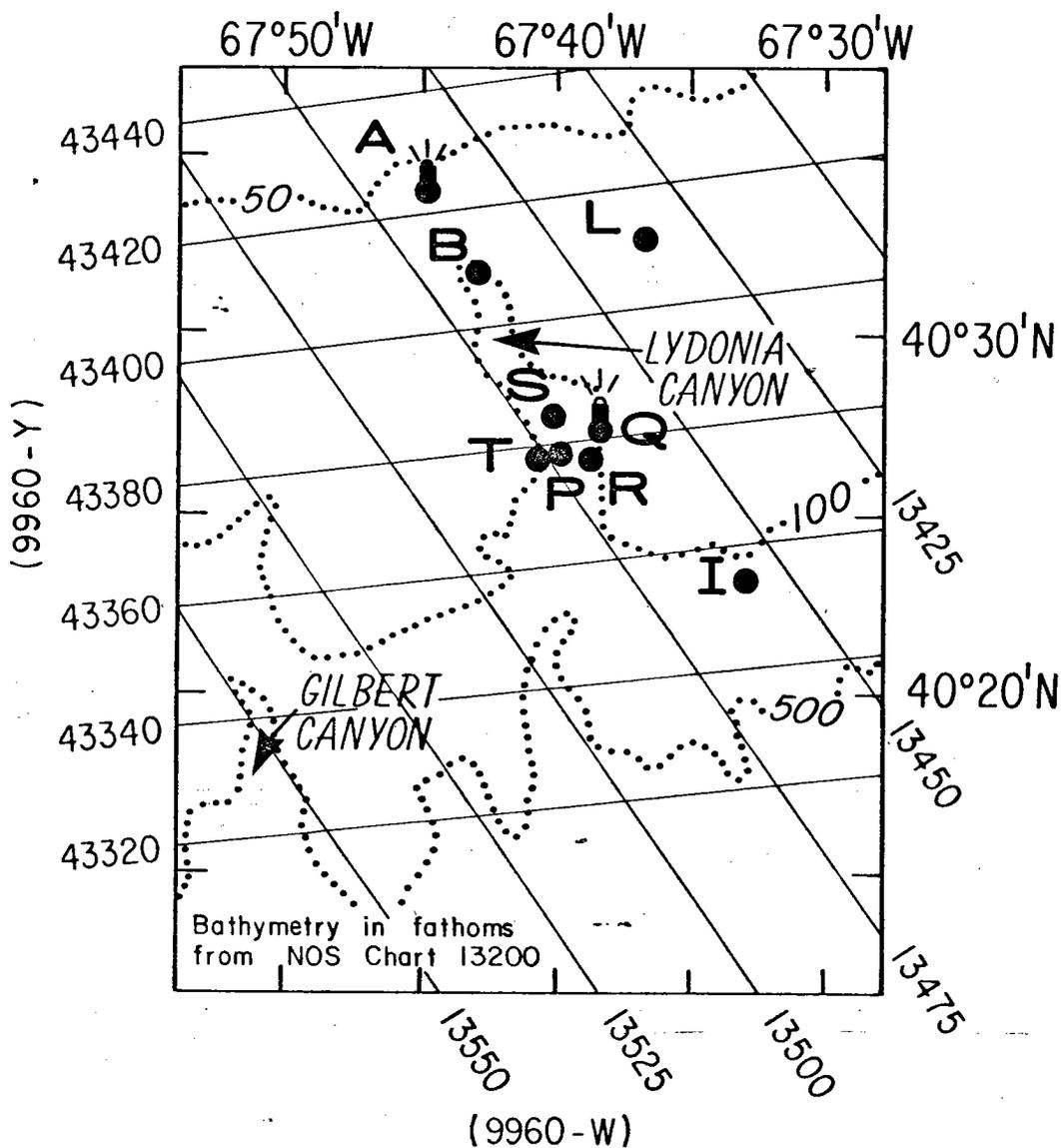
OTHER SHIPS, LABS, AGENCIES TO WHOM REQUESTS HAVE BEEN SUBMITTED
--

DATE OF REQUEST 8 Dec 80

SUBMITTED BY (name, title, address, tele.no if different from chief investigator) Thomas C. Aldrich Ship Manager USGS Woods Hole 548-8700
SIGNATURE
APPROVED BY (department chairman) Thomas C. Aldrich

NOTICE OF INSTRUMENTED BUOYS NEAR LYDONIA CANYON, GEORGES BANK

The U.S. Geological Survey is conducting a study of currents in Lydonia Canyon. Instruments have been placed at 9 locations. Stations A and Q are marked by lighted surface buoys. Observations are at the following depths below the surface: B (90 m, 50 f), I (50 m, 27 f), L (122 m, 67 f), R (170 m, 94 f), S (430 m, 237 f), T (168 m, 92 f), O (542 m, 298 f). All longlining and trawling should remain well clear of these sites to avoid fouling. Notice of buoys adrift would be appreciated. Instrumentation will be on station until July 1982.



For further information contact

Brad Butman
U.S. Geological Survey
Woods Hole, MA. -02543
617-548-8700

(OVER)

The locations marked with surface buoys are:

1. Station LCA: $40^{\circ}33.8'N.$, $67^{\circ}44.8'W.$
Loran-C: 13466.2, 43421.5
Water depth: 100 m (55 f)

Marker buoy labelled V lighted with 4-second white lamp.

2. Station LCQ: $40^{\circ}27.3'N.$, $67^{\circ}38.3'W.$
Loran-C: 13464.3, 43380.2
Water depth: 185 m (101 f)

Surface buoys set approximately north-south. Northern buoy labelled A, southern buoy labelled P. Both buoys lighted with a 4-second white lamp.

The unmarked locations are:

1. Station LCB: $40^{\circ}31.5'N.$, $67^{\circ}42.8'W.$
Loran-C: 13467.0, 43407.3
Water depth: 300 m (164 f) Obstruction depth: 90 m (50 f)
2. Station LCI: $40^{\circ}23.1'N.$, $67^{\circ}33.0'W.$
Loran-C: 13458.3, 43353.5
Water depth: 249 m (137 f) Obstruction depth: 50 m (27 f)
3. Station LCL: $40^{\circ}32.4'N.$, $67^{\circ}36.5'W.$
Loran-C: 13436.4, 43408.8
Water depth: 127 m (70 f) Obstruction depth: 122 m (67 f)
4. Station LCR: $40^{\circ}26.6'N.$, $67^{\circ}38.8'W.$
Loran-C: 13469.1, 43376.8
Water depth: 240 m (132 f) Obstruction depth: 170 m (94 f)
5. Station LCS: $40^{\circ}27.6'N.$, $67^{\circ}40.0'W.$
Loran-C: 13470.4, 43383.2
Water depth: 560 m (308 f) Obstruction depth: 430 m (237 f)
6. Station LCT: $40^{\circ}26.6'N.$, $67^{\circ}40.6'W.$
Loran-C: 13476.7, 43377.8
Water depth: 203 m (112 f) Obstruction depth: 168 m (92 f)
7. Station LCO: $40^{\circ}26.7'N.$, $67^{\circ}39.7'W.$
Water depth: 552 m (304 f) Obstruction depth: 542 m (298 f)