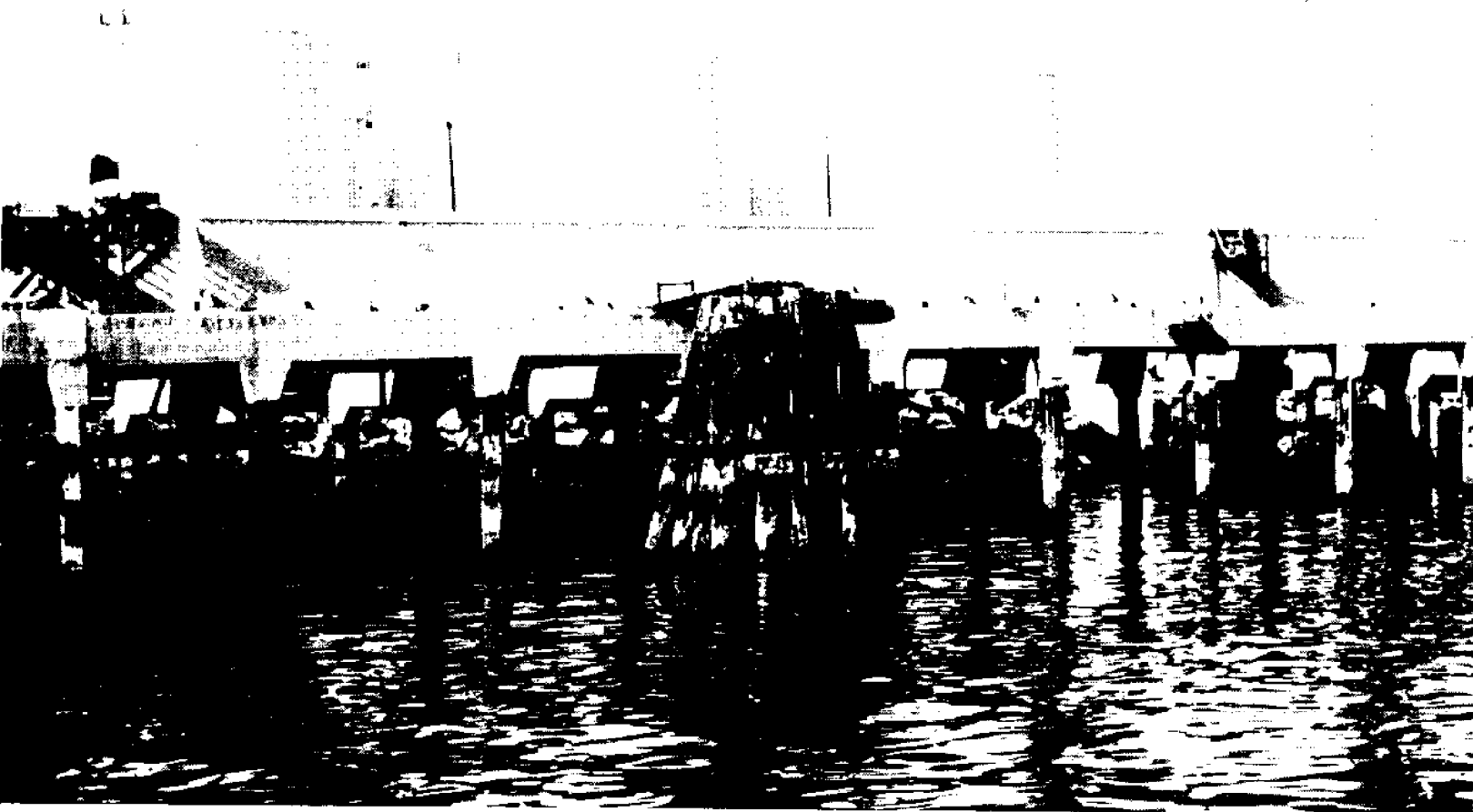


PART V

DATA REPORT.

TEMPERATURE, SALINITY, OXYGEN and pH
in outer Los Angeles Harbor
June 1971 to November 1973

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edited by
Dorothy F. Soule
and
Mikihiko Oguri

Published by
The Allan Hancock Foundation
Harbors Environmental Projects
and
The Office of Sea Grant Programs
University of Southern California
Los Angeles, California 90007

February 1974
USC-SG-3-74

MARINE STUDIES OF SAN PEDRO BAY, CALIFORNIA

PART V

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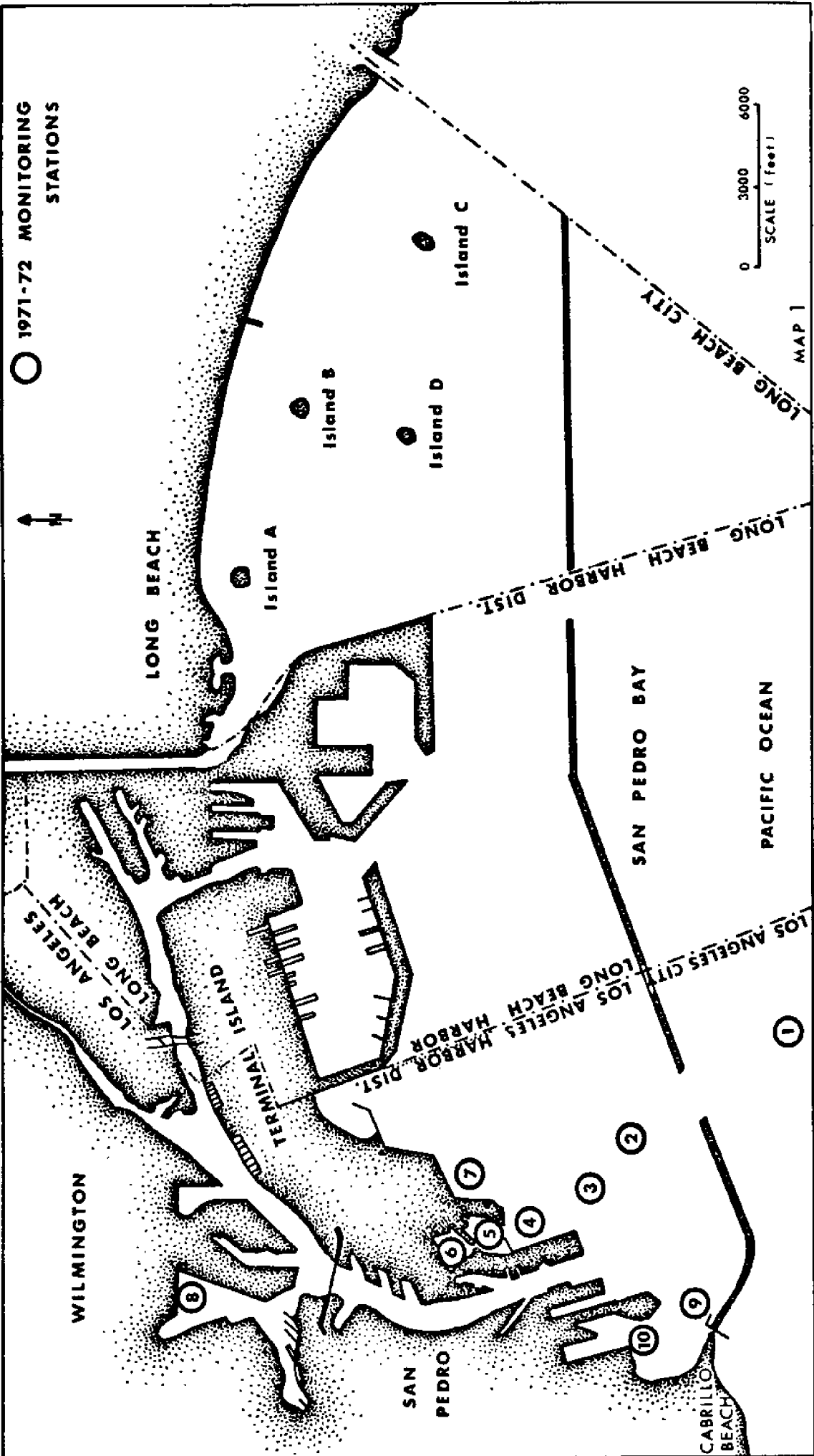
February 1974
USC-SG-3-74

Acknowledgments

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Additional field investigations and research support have been provided by the Allan Hancock Foundation, University of Southern California, the Los Angeles Harbor Department, the Tuna Research Foundation, Pacific Lighting Service Company, Southern California Gas Company, and the U.S. Army Corps of Engineers.

Cover photograph by John Soule



○ 1971-72 MONITORING STATIONS

0 3000 6000
SCALE (feet)

MAP 1

MARINE STUDIES OF SAN PEDRO BAY, CALIFORNIA. PART V.

DATA REPORT
TEMPERATURE, SALINITY, OXYGEN, AND pH IN OUTER
LOS ANGELES HARBOR, JUNE 1971-NOVEMBER 1973

by
Harbor Environmental Projects

Allan Hancock Foundation
University of Southern California
Los Angeles, California 90007

Under funding by Pacific Lighting Service Company and the USC Sea Grant Program, monthly readings of temperature (degrees C), conductivity (conversion based on the method of Weyl, 1964, to salinity), dissolved oxygen (DO_2), and pH were taken in the outer Los Angeles Harbor. In 1971-72 a Martek II was used, and in 1973 a Martek III was added, to obtain profiles in depth at one meter increments.

Difficulties inherent in measurement include occasional poisoning of the O_2 probe by contact with sulfide when DO_2 levels were low. Winkler oxygen analyses were taken periodically to develop a curve for standardization. The drop in salinity readings in 1973 may be an artifact, due to inherent calibration differences, although the shape of the curves remains consistent. No data available presently indicate other reasons for the sizeable salinity changes.

The Allan Hancock Foundation initiated, in 1973, a data bank for physical, chemical, and biological data on the Los Angeles-Long Beach Harbors and adjacent waters from which the present data report is extracted.

Scripps Institute of Oceanography has published a Data Report annually on surface water temperatures at shore stations along the United States west coast; such data can be used for comparison with harbor temperatures (SIO, 1970, 1971, and 1972). The Port of Los Angeles and the Department of Water and Power have recorded temperatures at the surface and at 20 foot depths in the harbor for some years. Graphs of the high and low temperatures from 1969-1972, compiled from those sources are included in Soule, 1974.

Because the Allan Hancock Foundation harbor monitoring program was expanded in January-February 1973, at the request of the U.S. Army Corps of Engineers, to cover all of the

harbor area, station designations were changed. The outer Los Angeles Harbor stations changed from 01-07 to A1-A7, and stations were added to cover Long Beach Harbor (B), the inner Harbor (C), and the area between the Los Angeles and San Gabriel Rivers (D). Station 08 in West Basin then shifted to a C6 designation.

Because of the original limitations in time, personnel, and funding, it has not been possible to monitor the entire area more frequently than the monthly intervals. However, monitoring for the Tuna Research Foundation has been conducted biweekly at the outfalls area and in Fish Harbor. Since the occurrence of low oxygen episodes in November 1973, monitoring has been conducted for Star Kist Foods on a daily basis in that area. Although the monthly readings show the seasonal trends, they often do not coincide with the lowest oxygen episodes nor with the highest, supersaturated oxygen periods that are produced by phytoplankton blooms. Readings as low as 0.0 ppm DO₂ and as high as 16.0 ppm DO₂ have been observed.

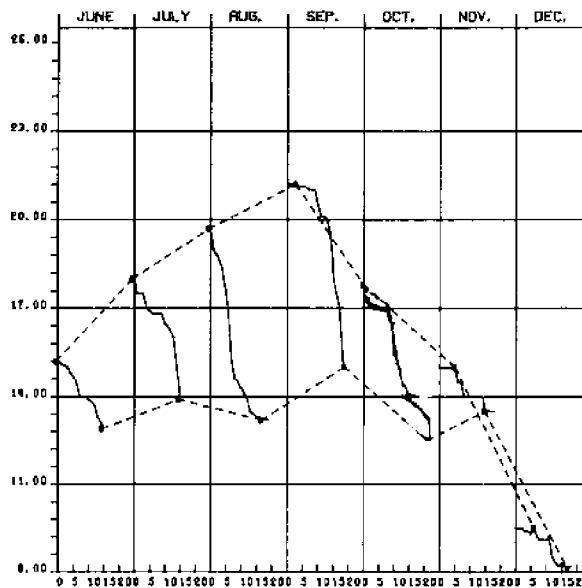
MINIMA AND MAXIMA OF PHYSICAL WATER QUALITY PARAMETERS. The graphs presented herein are produced by computer plot. Single monthly readings are taken at each station at one meter increments to give profiles of parameters with depth. Each monthly segment shows readings at 0, 5, 10, 15, and 20 meters on the horizontal axis and the appropriate unit of temperature, salinity, dissolved oxygen or pH on the vertical axis. Dotted lines connect the highs and lows to show seasonal trends, while solid lines between the dotted lines indicate changes in the profile with depth.

Complete data, from which the graph points are taken, are presented in the computer printout tables following the graphs. In some instances, more than one reading was taken in a month, as indicated by duplicate readings for various depths.

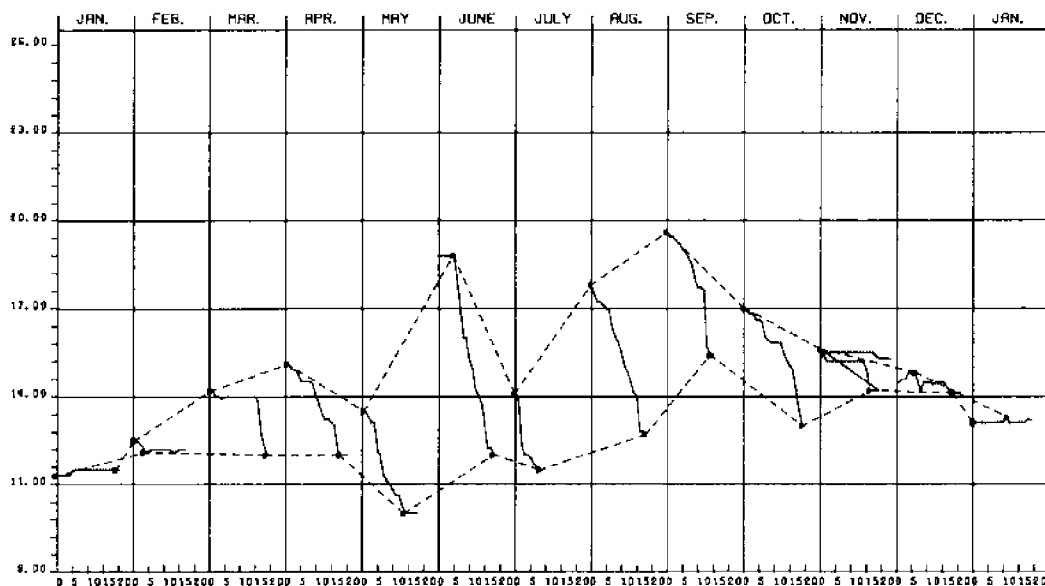
LITERATURE CITED

- Scripps Institute of Oceanography. 1970. Data Report.
Surface water temperatures at shore stations, United
States west coast, 1969. Univ. Calif., S.I.O. Ref.
70-26, 23 p.
- Scripps Institute of Oceanography. 1971. Data Report.
Surface water temperatures at shore stations, United
States west coast. Univ. Calif., S.I.O. Ref. 71-23.
- Scripps Institute of Oceanography. 1972. Data report.
Surface water temperatures at shore stations, United
States west coast. Univ. Calif., S.I.O. Ref. 72-62.
- Soule, D. F. 1974. Thermal effects and San Pedro Bay.
In Marine Studies of San Pedro Bay, Part III. Allan
Hancock Foundation, Univ. So. Calif., p. 1-20.
- Weyl, P. K. 1964. On the change in electrical conductance
of seawater with temperature. Limnol. and Oceanogr.,
9(1):75-78.

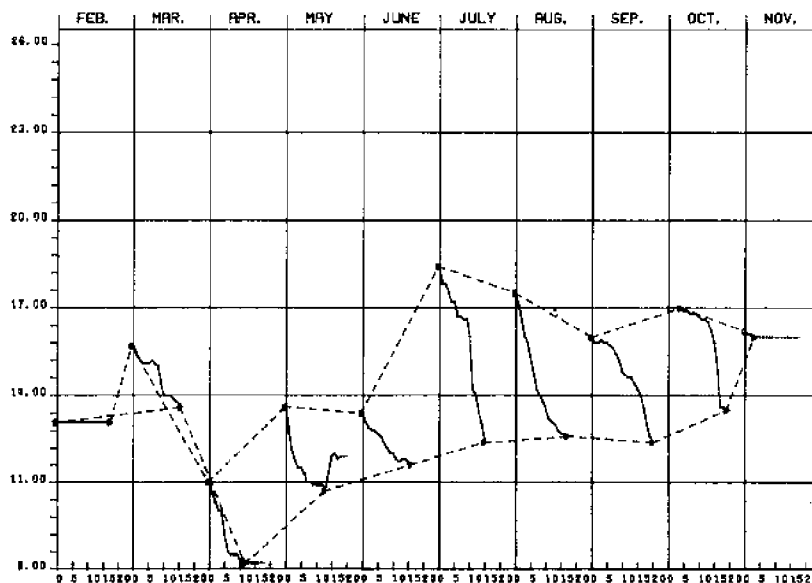
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 DATA: DEPTH METERS / TEMP CELSIUS



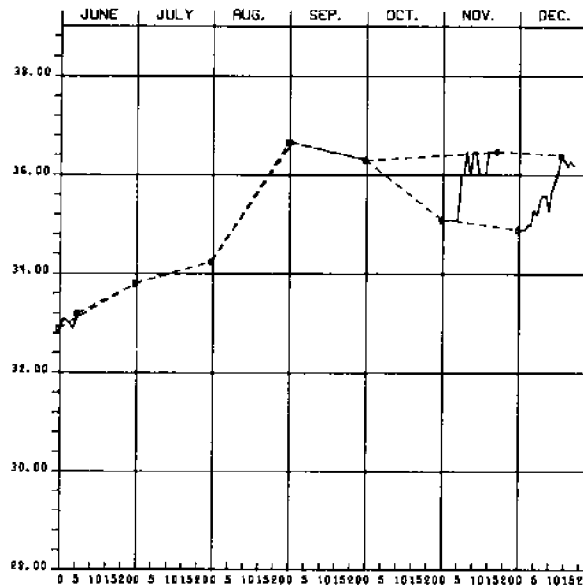
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 DATA: DEPTH METERS / TEMP CELSIUS

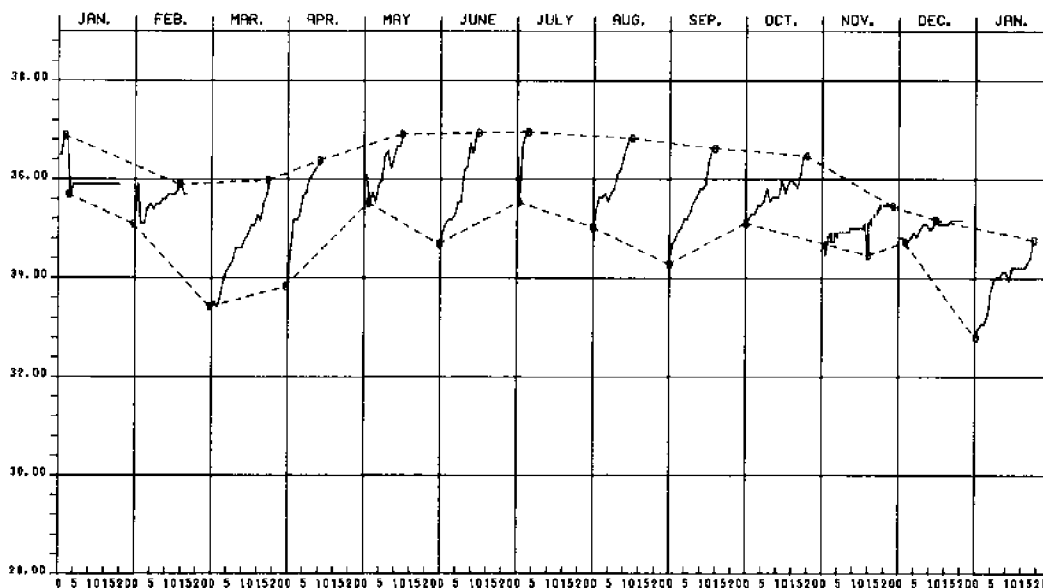


1971 SALINITY DATA
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 DATA: DEPTH METERS / SAL PPT



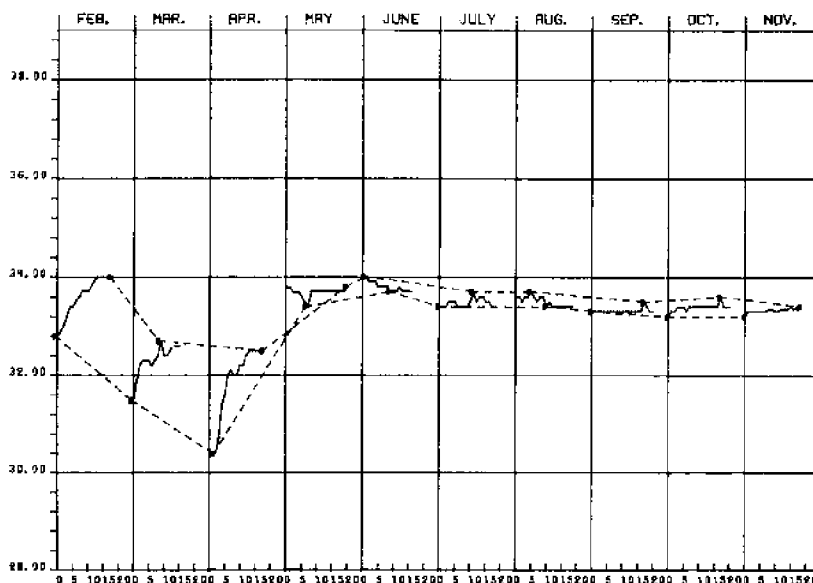
5

1972 SALINITY DATA
 STATION: 01 SEA BUDY (71-72)
 DATA: DEPTH METERS / SAL PPT

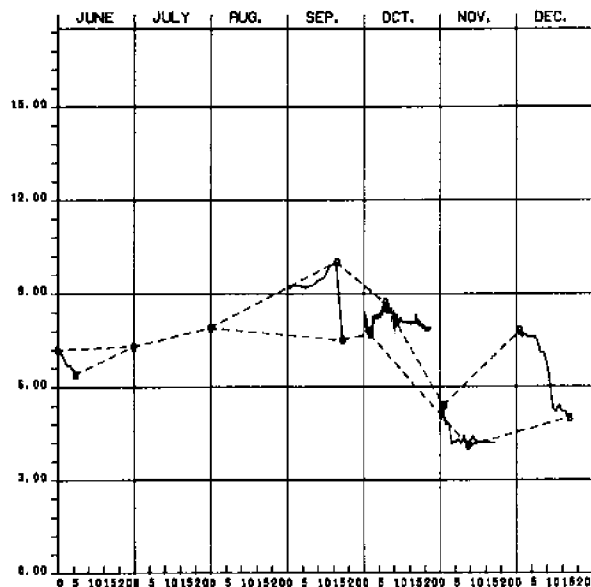


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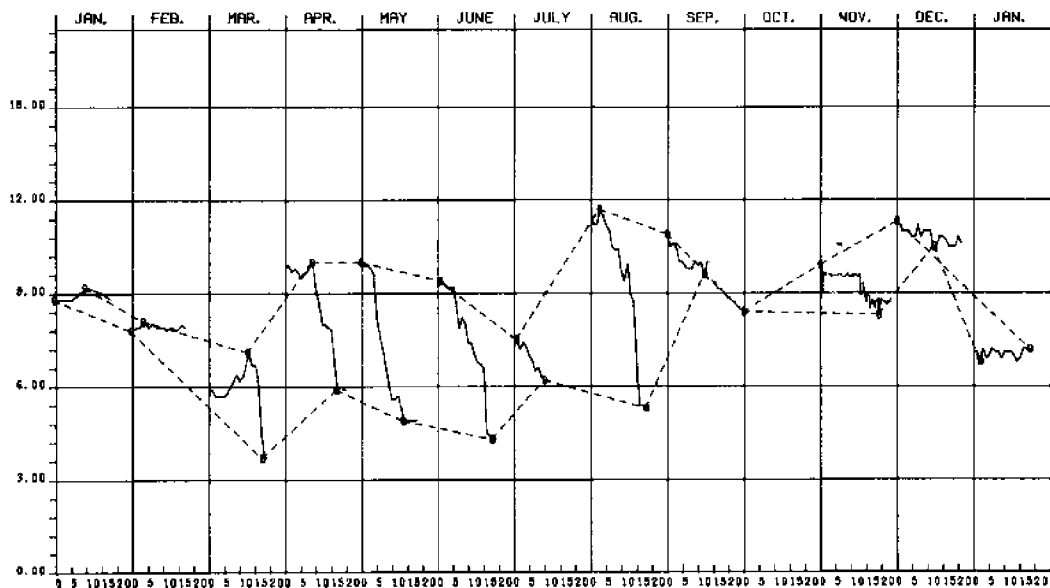
STATION: A1 SEA BUDY
 DATA: DEPTH METERS / SAL PPT



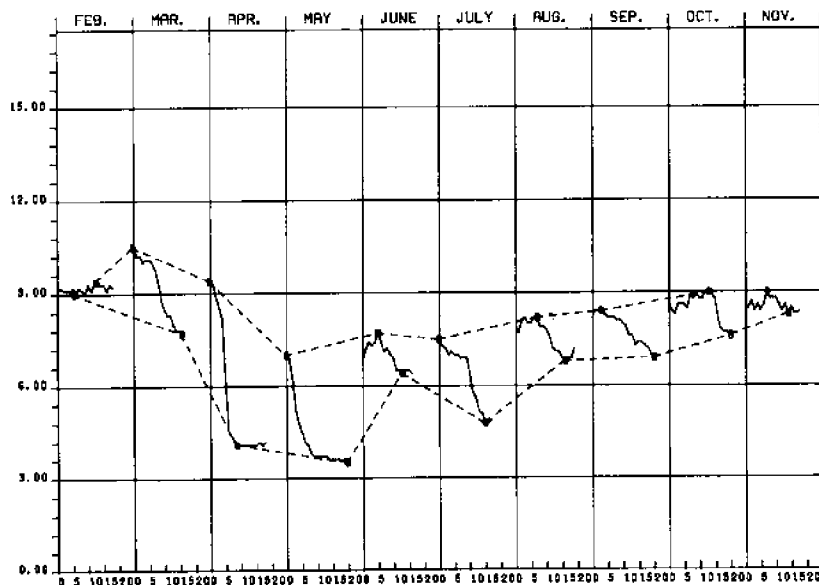
1971 DISSOLVED OXYGEN
 STATION: 01 SEA BUOY (71-72)
 DATA: DEPTH METERS / DIS OXG PPM



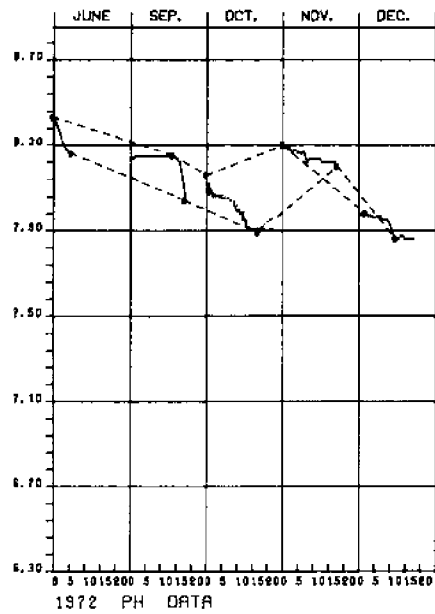
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 DATA: DEPTH METERS / DIS OXG PPM



1973 DISSOLVED OXYGEN
 STATION: 01 SEA BUOY
 DATA: DEPTH METERS / DIS OXG PPM

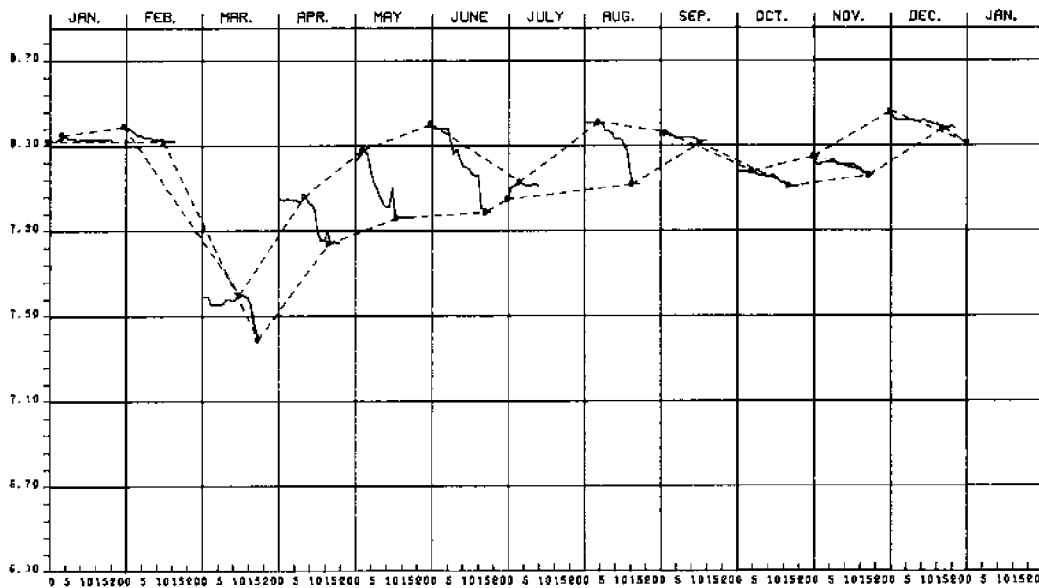


1971 PH DATA
 STATION: 01 SEA BUOY (71-72)
 DATA: DEPTH METERS / PH H ION CONC

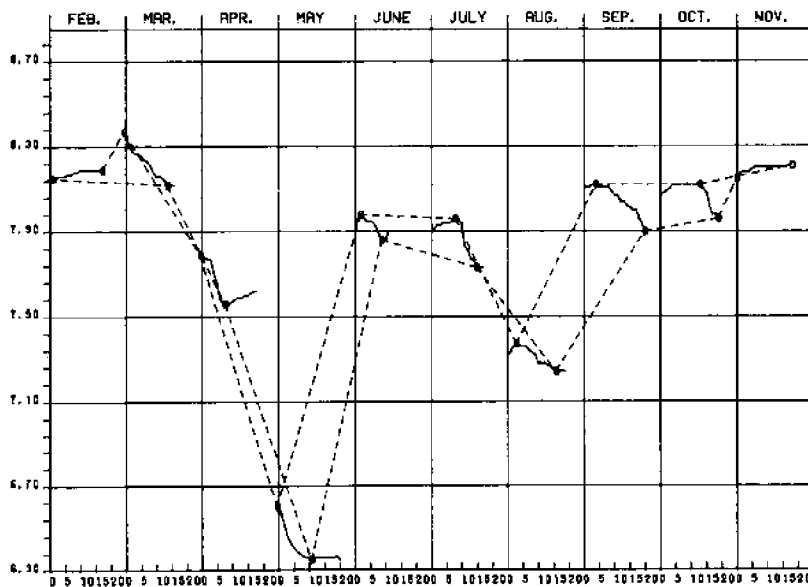


7

1972 PH DATA
 STATION: 01 SEA BUOY (71-72)
 DATA: DEPTH METERS / PH H ION CONC



1973 PH DATA
 STATION: A1 SEA BUOY
 DATA: DEPTH METERS / PH H ION CONC



ALLAN HANCOCK FOUNDATION

PHYSICAL DATA REPORT

STATION: 01 SEA BUOY (71-72)
 LATITUDE 033:41:57 N LONGITUDE 118:14:33 W

RECORDING DATE	DEPTH - METERS	TEMPERATURE C	TEMPERATURE F	SALINITY PPT	DISTANCE PPM	PH	
JUNE '71	00	0.0	15.2	59.4	32.90	8.43	
	01	3.3	15.1	59.2	33.13	8.39	
	03	9.8	15.0	59.0	33.00	8.30	
	04	13.1	14.8	58.6	32.90	8.28	
	06	19.7	14.5	58.1	33.20	8.26	
	07	23.0	14.0	57.2			
	09	29.5	14.0	57.2			
	10	32.8	13.9	57.0			
	12	39.4	13.7	56.7			
	13	42.6	13.3	55.9			
	15	49.2	12.9	55.2			
	JULY '71	00	0.0	18.0	64.4	33.61	7.30
		01	3.3	17.5	63.5		
		03	9.8	17.5	63.5		
		04	13.1	17.0	62.6		
06		19.7	16.8	62.2			
07		23.0	16.8	62.2			
09		29.5	16.8	62.2			
10		32.8	16.5	61.7			
12		39.4	16.2	61.2			
13		42.6	16.0	60.8			
15		49.2	13.9	57.0			

ALLAN HANCOCK FOUNDATION

PHYSICAL DATA REPORT

STATION: 01 SEA BUOY (71-72)
 LATITUDE 033:41:57 N LONGITUDE 118:14:33 W

RECORDING DATE	DEPTH - METERS	TEMPERATURE C	TEMPERATURE F	SALINITY PPT	DISTANCE PPM	PH
AUG '71	00	0.0	19.7	67.5	34.25	7.90
	01	3.3	19.0	66.2		
	02	6.6	18.8	65.8		
	03	9.8	18.6	65.5		
	04	13.1	18.3	64.9		
	05	16.4	17.6	63.7		
	06	19.7	16.8	62.2		
	07	23.0	15.2	59.4		
	08	26.2	14.6	58.3		
	09	29.5	14.5	58.1		
	10	32.8	14.3	57.7		
	11	36.1	14.1	57.4		
	12	39.4	13.9	57.0		
	13	42.6	13.5	56.3		
	14	45.9	13.4	56.1		
	15	49.2	13.3	55.5		
	16	52.5	13.3	55.9		
	17	55.8	13.2	55.8		
	18	59.0	13.2	55.8		
19	62.3	13.2	55.8			
SEPT '71	00	0.0	21.2	70.2	36.65	8.23
	01	3.3	21.2	70.2	36.65	8.24
	02	6.6	21.2	70.2		8.25
	03	9.8	21.2	70.2		8.25
	04	13.1	21.1	70.0		8.25
	05	16.4	21.1	70.0		8.25
	06	19.7	21.1	70.0		8.25
	07	23.0	21.0	69.8		8.25
	08	26.2	21.0	69.8		8.25
	09	29.5	21.0	69.8		8.25
	10	32.8	20.5	68.9		8.25
	11	36.1	20.1	68.2		8.25
	12	39.4	20.1	68.0		8.25
	13	42.6	20.0	68.0		8.25
	14	45.9	19.5	67.1		8.25
	15	49.2	18.0	64.4		8.22
	16	52.5	17.5	63.5		8.22
	17	55.8	17.0	62.6		8.22
	18	59.0	15.2	59.4		8.04
19	62.3	15.0	59.0		8.04	

ALLAN HANCOCK FOUNDATION

PHYSICAL DATA REPORT

STATION: 01 SEA BUOY (71-72) LONGITUDE 118:14:33 W
 LATITUDE 033:41:57 N

RECORDING DATE	DEPTH - METERS	TEMPERATURE C	SALINITY PPT	DIS CXG PPM	PH
NOV '71	00	0.0	35.05	4.60	8.30
	01	3.3	35.05	5.40	6.25
	02	6.6	35.05	4.80	8.29
	03	9.8	35.09	4.80	8.26
	04	13.1	35.09	4.20	8.28
	05	16.4	35.05	4.20	8.27
	06	19.7	35.01	4.30	8.26
	07	23.0	36.01	4.20	8.27
	08	26.2	36.47	4.40	8.22
	09	29.5	36.00	4.10	8.24
	10	32.8	36.47	4.25	8.24
	11	36.1	36.47	4.40	8.24
	12	39.4	36.01	4.20	8.24
	13	42.6	36.01	4.20	8.22
	14	45.9	36.01	4.20	8.22
	15	49.2	36.47	4.20	8.22
	16	52.5	36.47	4.20	8.22
	17	55.8	36.47	4.20	8.22
	18	59.0	36.47	4.20	8.20
DEC '71	00	0.0	34.85	7.80	7.97
	01	3.3	34.85	7.60	7.98
	02	6.6	34.85	7.60	7.98
	03	9.8	34.99	7.70	7.97
	04	13.1	34.95	7.60	7.97
	05	16.4	35.25	7.60	7.96
	06	19.7	35.20	7.60	7.97
	07	23.0	35.45	7.50	7.97
	08	26.2	35.55	7.10	7.95
	09	29.5	35.55	7.10	7.95
	10	32.8	35.28	6.80	7.94
	11	36.1	35.70	6.30	7.90
	12	39.4	35.88	5.30	7.86
	13	42.6	36.00	5.20	7.86
	14	45.9	36.35	5.40	7.88
	15	49.2	36.29	5.20	7.86
	16	52.5	36.10	5.20	7.86
	17	55.8	36.28	5.00	7.86
	18	59.0	36.10	5.10	7.86

ALLAN HANCOCK FOUNDATION

PHYSICAL DATA REPORT

STATION: 01 SEA BUOY (71-72) LONGITUDE 118:14:33 W
 LATITUDE 033:41:57 N

RECORDING DATE	DEPTH - METERS	TEMPERATURE C	SALINITY PPT	DIS CXG PPM	PH
OCT '71	00	0.0	36.30	7.50	8.16
	01	3.3	36.30	7.80	8.08
	02	6.6	36.37	8.60	8.12
	03	9.8	36.37	7.70	8.07
	04	13.1	36.37	7.70	8.11
	05	16.4	36.35	8.60	8.06
	06	19.7	36.35	7.70	8.11
	07	23.0	36.35	7.70	8.06
	08	26.2	36.35	7.70	8.11
	09	29.5	36.35	7.70	8.06
	10	32.8	36.35	7.70	8.11
	11	36.1	36.35	7.70	8.05
	12	39.4	36.35	7.75	8.10
	13	42.6	36.35	7.75	8.05
	14	45.9	36.35	7.75	8.10
	15	49.2	36.35	7.70	8.05
	16	52.5	36.35	7.70	8.10
	17	55.8	36.35	7.70	8.05
	18	59.0	36.35	7.70	8.10
	19	62.3	36.35	7.70	8.05
	20	65.6	36.35	7.70	8.10
	21	68.9	36.35	7.70	8.05
	22	72.2	36.35	7.70	8.10

ALLAN HANCOCK FOUNDATION

PHYSICAL DATA REPORT

STATION: 01 SEA BUOY (71-72) LONGITUDE 118:14:33 W
 LATITUDE 033:41:57 N

RECORDING DATE	DEPTH - METERS	TEMPERATURE C	SALINITY PPT	DIST GKG	PH
					P-ION CONC
JAN *72	00	11.3	36.50	6.80	8.32
	01	3.3	36.50	8.80	8.32
	02	6.6	36.50		8.32
	03	9.8	36.90		8.33
	04	13.1	35.70		8.33
	05	16.4	35.90	8.80	8.35
	06	19.7	35.90		8.33
	07	23.0	35.50		8.33
	08	26.2	35.90		8.33
	09	29.5	35.90		8.32
	10	32.8	35.50	9.20	8.33
	11	36.1	35.50		8.33
	12	39.4	35.50		8.33
	13	42.6	35.90		8.33
	14	45.9	35.90		8.33
	15	49.2	35.50	5.00	8.33
	16	52.5	35.90		8.33
	17	55.8	35.50		8.33
	18	59.0	35.90	8.80	8.33
	19	62.3	35.90		8.33
	20	65.6	35.90		8.33
FEB *72	00	0.0	35.10	7.80	8.39
	01	3.3	35.90	7.50	8.38
	02	6.6	35.10	7.90	8.37
	03	9.8	35.10	8.00	8.36
	04	13.1	35.40	8.10	8.35
	05	16.4	35.50	7.90	8.35
	06	19.7	35.40	8.00	8.34
	07	23.0	35.50	8.00	8.34
	08	26.2	35.50	7.90	8.34
	09	29.5	35.60	7.90	8.33
	10	32.8	35.60	7.90	8.33
	11	36.1	35.70	7.90	8.33
	12	39.4	35.70	7.90	8.32
	13	42.6	35.70	7.90	8.32
	14	45.9	35.80	7.90	8.32
	15	49.2	35.90	7.90	8.32
	16	52.5	35.70	8.00	8.32
	17	55.8	35.70	7.90	8.32

ALLAN HANCOCK FOUNDATION

PHYSICAL DATA REPORT

STATION: 01 SEA BUOY (71-72) LONGITUDE 118:14:33 W
 LATITUDE 033:41:57 N

RECORDING DATE	DEPTH - METERS	TEMPERATURE C	SALINITY PPT	DIST GKG	PH
					P-ION CONC
MAR *72	00	0.0	33.42	5.90	7.59
	01	3.3	33.51	5.90	7.59
	02	6.6	33.42	5.70	7.59
	03	9.8	33.66	5.70	7.55
	04	13.1	33.96	5.70	7.55
	05	16.4	34.14	5.70	7.55
	06	19.7	34.24	5.80	7.55
	07	23.0	34.33	6.00	7.56
	08	26.2	34.61	6.20	7.58
	09	29.5	34.61	6.40	7.58
	10	32.8	34.61	6.20	7.57
	11	36.1	34.75	6.30	7.58
	12	39.4	34.85	6.70	7.60
	13	42.6	35.07	7.10	7.60
	14	45.9	35.07	6.70	7.59
	15	49.2	35.26	6.70	7.58
	16	52.5	35.16	6.30	7.55
	17	55.8	35.31	4.60	7.46
	18	59.0	35.70	3.70	7.41
	19	62.3	35.56	3.70	7.35
APR *72	00	0.0	33.83	5.80	8.06
	01	3.3	34.55	5.50	8.04
	02	6.6	35.16	5.70	8.04
	03	9.8	35.18	5.80	8.05
	04	13.1	35.27	5.70	8.04
	05	16.4	35.64	5.60	8.04
	06	19.7	35.73	5.60	8.04
	07	23.0	36.00	5.70	8.02
	08	26.2	36.08	9.90	8.05
	09	29.5	36.15	10.00	8.06
	10	32.8	36.26	9.10	8.03
	11	36.1	36.36	8.70	8.02
	12	39.4	36.1	8.00	7.99
	13	42.6	35.8	8.00	7.88
	14	45.9	35.8	7.50	7.85
	15	49.2	35.6	7.80	7.85
	16	52.5	35.4	6.60	7.90
	17	55.8	35.8	5.50	7.84
	18	59.0	35.6	6.00	7.85
	19	62.3	35.6	5.90	7.84
	20	65.6	35.6	5.60	7.84

ALLAN HANCOCK FOUNDATION

PHYSICAL DATA REPORT

STATION: 01 SEA BUOY (71-72) LONGITUDE 118:14:33 W
 LATITUDE 033:41:57 N

RECORDING DATE	DEPTH - METERS	TEMPERATURE C	SALINITY PPT	DISTANCE DIX	PH F	CONC
MAY '72	00	0.0	13.5	56.3	36.10	10.00
	01	3.3	13.5	56.3	36.10	9.50
	02	6.6	13.3	55.9	35.53	9.90
	03	9.8	13.1	55.6	35.72	9.80
	04	13.1	13.1	55.6	35.53	9.60
	05	16.4	12.1	53.8	35.89	8.20
	06	19.7	12.0	53.6	35.55	7.60
	07	23.0	11.3	52.3	36.47	7.20
	08	26.2	11.1	52.0	36.57	6.60
	09	29.5	11.0	51.8	36.22	6.00
	10	32.8	10.8	51.4	36.46	5.60
	11	36.1	10.6	51.1	36.66	5.60
	12	39.4	10.6	51.1	36.66	5.70
	13	42.6	10.3	50.5	36.92	5.30
	14	45.9	10.0	50.0	4.90	4.90
	15	49.2	10.0	50.0	4.90	4.90
	16	52.5	10.0	50.0	4.90	4.90
	17	55.8	10.0	50.0	4.90	4.90
	18	59.0	10.0	50.0	4.90	4.90
JUNE '72	00	0.0	18.8	65.3	34.69	9.40
	01	3.3	18.8	65.8	34.94	9.40
	02	6.6	18.8	65.8	35.11	9.30
	03	9.8	18.8	65.8	35.15	9.20
	04	13.1	18.8	65.9	35.19	9.20
	05	16.4	18.8	65.8	35.28	9.20
	06	19.7	18.0	64.4	35.54	8.70
	07	23.0	17.0	62.6	35.55	7.50
	08	26.2	16.0	60.8	36.17	6.20
	09	29.5	16.0	60.8	36.26	5.00
	10	32.8	15.2	55.4	36.73	7.40
	11	36.1	14.9	58.8	36.53	7.40
	12	39.4	14.2	57.6	36.54	7.00
	13	42.6	14.0	57.2	36.54	6.80
	14	45.9	13.7	56.7	36.54	6.70
	15	49.2	13.0	55.4	36.60	6.60
	16	52.5	12.2	54.0	4.50	4.50
	17	55.8	12.2	54.0	4.40	4.40
	18	59.0	12.0	53.6	4.30	4.30
	19	62.3	12.0	53.6	4.30	4.30

ALLAN HANCOCK FOUNDATION

PHYSICAL DATA REPORT

STATION: 01 SEA BUOY (71-72) LONGITUDE 118:14:33 W
 LATITUDE 033:41:57 N

RECORDING DATE	DEPTH - METERS	TEMPERATURE C	SALINITY PPT	DISTANCE DIX	PH F	CONC
JULY '72	00	0.0	14.1	57.4	36.66	7.30
	01	3.3	14.0	57.2	35.54	7.50
	02	6.6	12.3	54.1	36.67	7.20
	03	9.8	12.0	53.6	36.96	7.40
	04	13.1	12.0	53.6	36.56	7.30
	05	16.4	11.9	53.4	7.00	6.12
	06	19.7	11.7	53.1	6.80	6.11
	07	23.0	11.6	52.9	6.50	6.11
	08	26.2	11.5	52.7	6.60	6.12
	09	29.5	11.5	52.7	6.30	6.12
	10	32.8	11.5	52.7	6.20	6.11
AUG '72	00	0.0	17.8	64.0	35.03	11.70
	01	3.3	17.5	63.5	35.37	11.20
	02	6.6	17.2	63.0	35.63	11.20
	03	9.8	17.2	63.0	35.63	11.70
	04	13.1	17.1	62.8	35.72	11.50
	05	16.4	17.0	62.6	35.55	11.20
	06	19.7	16.9	62.4	35.72	11.00
	07	23.0	16.3	61.3	35.82	10.50
	08	26.2	16.0	60.2	36.05	10.40
	09	29.5	15.8	60.4	36.18	10.40
	10	32.8	15.5	59.9	36.45	9.70
	11	36.1	15.0	59.0	36.64	9.40
	12	39.4	14.8	58.6	36.83	9.90
	13	42.6	14.5	58.1	36.82	9.00
	14	45.9	14.1	57.4	6.70	8.28
	15	49.2	14.0	57.2	6.30	8.17
	16	52.5	12.8	55.0	5.40	8.12
	17	55.8	12.8	55.0	5.40	8.12
	18	59.0	12.7	54.9	5.30	8.12

ALLAN HANCOCK FOUNDATION

PHYSICAL DATA REPORT

STATION: 01 SEA BUOY (71-72) LONGITUDE 118:14:33 W
 LATITUDE 033:41:57 N

RECORDING DATE	DEPTH - METERS	TEMPERATURE C	TEMPERATURE F	SALINITY PPT	DIS CXG RPM	PH
						8.24
SEPT '72	00	0.0	19.6	34.28	10.90	8.35
	01	3.3	19.4	34.59	10.50	8.35
	02	6.6	19.4	34.77	10.60	8.36
	03	9.8	19.3	34.94	10.40	8.35
	04	13.1	19.2	35.02	10.00	8.35
	05	16.4	19.0	35.15	10.00	8.34
	06	19.7	18.9	35.15	9.80	8.34
	07	23.0	18.7	35.36	9.80	8.34
	08	26.2	18.5	35.53	9.80	8.34
	09	29.5	18.0	35.62	10.00	8.34
	10	32.8	17.7	35.80	9.90	8.34
	11	36.1	17.7	35.80	10.00	8.34
	12	39.4	17.6	35.89	9.80	8.33
	13	42.6	15.7	36.36	10.00	8.32
	14	45.9	15.4	36.63	10.00	8.32
	15	49.2	15.4	36.63		8.32
OCT '72	00	0.0	17.0	35.11	8.40	8.18
	01	3.3	16.9	35.20		8.18
	02	6.6	16.8	35.29		8.18
	03	9.8	16.8	35.25		8.18
	04	13.1	16.6	35.46		8.18
	05	16.4	16.6	35.46		8.18
	06	19.7	16.5	35.55		8.17
	07	23.0	16.0	35.82		8.16
	08	26.2	15.9	35.55		8.16
	09	29.5	15.8	35.64		8.16
	10	32.8	15.8	35.64		8.15
	11	36.1	15.8	35.64		8.16
	12	39.4	15.8	36.00		8.16
	13	42.6	15.5	35.73		8.15
	14	45.9	15.2	35.91		8.13
	15	49.2	15.0	36.00		8.13
	16	52.5	14.9	35.91		8.12
	17	55.8	14.2	35.62		8.11
	18	59.0	13.5	36.10		8.11
	19	62.3	13.0	36.48		8.11
	20	65.6	13.0	36.48		8.11

ALLAN HANCOCK FOUNDATION

PHYSICAL DATA REPORT

STATION: 01 SEA BUOY (71-72) LONGITUDE 118:14:33 W
 LATITUDE 033:41:57 N

RECORDING DATE	DEPTH - METERS	TEMPERATURE C	TEMPERATURE F	SALINITY PPT	DIS CXG RPM	PH
						8.24
NOV '72	00	0.0	19.2	34.47	9.90	8.25
	01	3.3	15.6	34.57	9.30	8.25
	02	6.6	15.5	34.74	9.00	8.23
	03	9.8	15.5	34.47	9.60	8.21
	04	13.1	15.2	34.74	9.60	8.21
	05	16.4	15.5	34.83	9.00	8.23
	06	19.7	15.5	34.92	9.00	8.23
	07	23.0	15.2	34.92	9.60	8.22
	08	26.2	15.5	34.92	9.00	8.23
	09	29.5	15.2	34.92	9.90	8.21
	10	32.8	15.5	35.01	9.00	8.23
	11	36.1	15.2	34.92	9.00	8.21
	12	39.4	15.5	35.01	9.60	8.23
	13	42.6	15.2	34.92	9.50	8.21
	14	45.9	15.5	35.01	9.60	8.21
	15	49.2	14.9	34.92	9.00	8.24
	16	52.5	15.5	35.10	9.00	8.24
	17	55.8	15.2	34.92	9.00	8.24
	18	59.0	14.9	34.92	9.00	8.24
	19	62.3	15.5	35.15	9.00	8.24
	20	65.6	14.2	34.90	9.00	8.24
	21	68.9	14.2	34.90	9.00	8.24
	22	72.2	15.3	35.28	9.00	8.24
	23	75.4	15.3	35.28	9.00	8.24

ALLAN HANCOCK FOUNDATION

PHYSICAL DATA--REQ01

STATION: 01 SEA BUOY (71-72)
LATITUDE 033:41:57 N

LONGITUDE 118:14:33 W

RECORDING DATE	DEPTH - METERS	TEMPERATURE C	SALINITY PPT	DIS CXG FPM	PH	F-ION CONC
DEC '72	00	14.5	58.1	34.81	11.30	8.46
	01	3.3	14.5	58.1	34.81	8.43
	02	6.6	14.6	58.3	34.72	11.00
	03	9.8	14.6	58.3	34.72	11.00
	04	13.1	14.8	56.6	34.62	11.00
	05	16.4	14.8	58.6	34.91	10.80
	06	19.7	14.8	58.6	34.82	10.80
	07	23.0	14.5	58.1	34.59	11.20
	08	26.2	14.2	57.6	35.08	10.80
	09	29.5	14.5	58.1	35.09	11.00
	10	32.8	14.5	58.1	34.99	11.00
	11	36.1	14.5	58.1	34.99	11.00
	12	39.4	14.4	57.9	35.18	10.50
	13	42.6	14.5	58.1	35.09	10.50
	14	45.9	14.5	58.1	35.09	10.80
	15	49.2	14.5	58.1	35.09	10.80
	16	52.5	14.4	57.9	35.09	10.70
	17	55.8	14.2	57.6	35.17	10.50
	18	59.0	14.1	57.4	35.17	10.50
	19	62.3	14.1	57.4	35.17	10.50
	20	65.6	14.1	57.4	35.17	10.80
	21	68.9	14.1	57.4	35.17	10.60

ALLAN HANCOCK FOUNDATION

PHYSICAL DATA--REQ01

STATION: 01 SEA BUOY (71-72)
LATITUDE 033:41:57 N

LONGITUDE 118:14:33 W

RECORDING DATE	DEPTH - METERS	TEMPERATURE C	SALINITY PPT	DIS CXG FPM	PH	F-ION CONC
JAN '73	00	0.0	13.1	55.0	32.79	7.10
	01	3.3	13.1	55.6	32.98	7.10
	02	6.6	13.1	55.6	33.07	6.80
	03	9.8	12.1	55.6	33.07	7.20
	04	13.1	13.1	55.6	33.26	6.90
	05	16.4	13.1	55.6	33.73	7.00
	06	19.7	13.1	55.6	33.92	7.20
	07	23.0	13.1	55.6	34.01	7.10
	08	26.2	13.1	55.6	34.01	7.10
	09	29.5	13.1	55.6	34.11	6.90
	10	32.8	13.1	55.6	34.11	7.10
	11	36.1	13.3	55.9	33.93	7.10
	12	39.4	13.1	55.6	34.20	7.10
	13	42.6	13.1	55.6	34.20	6.80
	14	45.9	13.1	55.6	34.20	6.90
	15	49.2	13.1	55.6	34.20	7.20
	16	52.5	13.1	55.6	34.20	7.20
	17	55.8	13.1	55.6	34.30	7.20
	18	59.0	13.2	55.8	34.40	7.20
	19	62.3	13.2	55.8	34.77	7.10

ALLAN HANCOCK FOUNDATION

PHYSICAL DATA REPORT

STATION: A1 SEA BUOY		LONGITUDE 118:14:33 W		PH	
LATITUDE 033:41:57 N				H ION CONC	
RECORDING DATE	DEPTH - METERS	TEMPERATURE C	SALINITY PPT	DIS CXG RPM	PH
FEB '73	00	13.1	32.20	5.10	8.15
	01	3.3	32.90	5.20	8.15
	02	6.6	33.00	5.10	8.15
	03	9.8	33.20	5.10	8.16
	04	13.1	33.40	5.10	8.16
	05	16.4	33.40	5.20	8.16
	06	19.7	33.50	5.00	8.17
	07	23.0	33.60	5.20	8.17
	08	26.2	33.70	5.10	8.18
	09	29.5	33.70	5.00	8.18
	10	32.8	33.70	5.30	8.15
	11	36.1	33.80	5.10	8.19
	12	39.4	33.90	5.40	8.19
	13	42.6	34.00	5.40	8.19
	14	45.9	34.00	5.30	8.19
	15	49.2	34.00	5.30	8.19
	16	52.5	34.00	5.10	8.19
	17	55.8	34.00	5.30	8.19
	18	59.0	34.00	5.20	8.15
MAR '73	00	15.7	31.50	10.50	8.37
	01	3.3	31.90	10.20	8.30
	02	6.6	32.20	10.20	8.28
	03	9.8	32.30	10.00	8.27
	04	13.1	32.30	10.10	8.27
	05	16.4	32.30	10.10	8.25
	06	19.7	32.20	10.00	8.24
	07	23.0	32.30	9.80	8.23
	08	26.2	32.40	9.40	8.21
	09	29.5	32.70	8.80	8.18
	10	32.8	32.40	8.50	8.16
	11	36.1	32.40	8.30	8.16
	12	39.4	32.50	8.30	8.15
	13	42.6	32.60	8.00	8.14
	14	45.9	32.60	7.80	8.12
	15	49.2	32.60	7.80	8.12
	16	52.5	32.60	7.70	8.12

ALLAN HANCOCK FOUNDATION

PHYSICAL DATA REPORT

STATION: A1 SEA BUOY		LONGITUDE 118:14:33 W		PH	
LATITUDE 033:41:57 N				H ION CONC	
RECORDING DATE	DEPTH - METERS	TEMPERATURE C	SALINITY PPT	DIS CXG RPM	PH
APR '73	00	11.0	31.8	5.40	7.79
	01	3.3	31.1	5.30	7.78
	02	6.6	30.40	5.80	7.77
	03	9.8	30.70	6.50	7.77
	04	13.1	31.40	6.20	7.71
	05	16.4	31.60	6.00	7.66
	06	19.7	32.00	4.50	7.58
	07	23.0	32.10	4.40	7.57
	08	26.2	32.00	4.20	7.56
	09	29.5	32.00	4.10	7.57
	10	32.8	32.20	4.10	7.57
	11	36.1	32.20	4.10	7.58
	12	39.4	32.40	4.10	7.59
	13	42.6	32.50	4.10	7.59
	14	45.9	32.50	4.10	7.60
	15	49.2	32.50	4.10	7.60
	16	52.5	32.50	4.20	7.61
	17	55.8	32.50	4.10	7.62
	18	59.0	32.50	4.20	7.62
MAY '73	00	13.6	33.90	7.00	6.60
	01	3.3	33.80	6.90	6.57
	02	6.6	33.70	6.10	6.51
	03	9.8	33.70	5.20	6.46
	04	13.1	33.70	4.80	6.43
	05	16.4	33.60	4.50	6.41
	06	19.7	33.50	4.20	6.39
	07	23.0	33.40	4.10	6.38
	08	26.2	33.70	3.80	6.37
	09	29.5	33.70	3.70	6.36
	10	32.8	33.70	3.70	6.36
	11	36.1	33.70	3.70	6.35
	12	39.4	33.70	3.70	6.36
	13	42.6	33.70	3.70	6.36
	14	45.9	33.70	3.60	6.36
	15	49.2	33.70	3.60	6.36
	16	52.5	33.70	3.60	6.36
	17	55.8	33.70	3.60	6.36
	18	59.0	33.70	3.60	6.36
	19	62.3	33.70	3.60	6.37
	20	65.6	33.80	3.50	6.35

ALLAN HANCOCK FOUNDATION

PHYSICAL DATA REPORT

STATION: A1 SEA BUOY
LATITUDE 033:41:57 N

LONGITUDE 118:14:33 W

RECORDING DATE	DEPTH - METERS	TEMPERATURE C	SALINITY PPT	DIS OXG PPM	PH	WIND-SKINS	
JUNE '73	00	0.0	13.4	56.1	34.00	6.80	7.92
	01	3.3	13.1	55.6	34.00	7.20	7.96
	02	6.6	12.9	55.2	33.90	7.40	7.98
	03	9.8	12.8	55.0	33.90	7.30	7.96
	04	13.1	12.6	55.0	33.90	7.40	7.95
	05	16.4	12.7	54.9	33.80	7.70	7.95
	06	19.7	12.6	54.7	33.80	7.40	7.94
	07	23.0	12.4	54.3	33.80	7.10	7.92
	08	26.2	12.2	54.0	33.80	7.20	7.88
	09	29.5	12.0	53.6	33.70	7.00	7.86
	10	32.8	12.0	53.6	33.70	6.90	7.86
	11	36.1	11.8	53.2	33.70	6.50	7.90
	12	39.4	11.7	53.1	33.60	6.50	7.90
	13	42.6	11.8	53.2	33.70	6.40	7.90
	14	45.9	11.6	53.2	33.70	6.50	7.90
	15	49.2	11.7	53.1	33.70	6.50	7.90
	16	52.5	11.6	52.9	33.70	6.40	7.90
JULY '73	00	0.0	18.4	65.1	33.40	7.50	7.92
	01	3.3	17.8	64.0	33.40	7.30	7.91
	02	6.6	17.6	64.0	33.40	7.20	7.93
	03	9.8	17.5	63.5	33.50	7.00	7.93
	04	13.1	17.2	63.0	33.50	7.10	7.94
	05	16.4	17.2	63.0	33.50	7.00	7.94
	06	19.7	16.7	62.1	33.40	7.00	7.94
	07	23.0	16.7	62.1	33.40	6.90	7.95
	08	26.2	16.6	61.9	33.40	6.90	7.96
	09	29.5	16.6	61.9	33.40	6.90	7.95
	10	32.8	16.0	60.8	33.50	6.40	7.94
	11	36.1	14.2	57.6	33.70	5.80	7.83
	12	39.4	14.0	57.2	33.50	5.60	7.81
	13	42.6	13.4	56.1	33.60	5.20	7.77
	14	45.9	13.0	55.4	33.60	5.10	7.76
	15	49.2	12.4	54.3	33.50	4.80	7.73
	16	52.5	12.4	54.3	33.50	4.80	7.73
17	55.8	12.4	54.3	33.40	4.90	7.73	

ALLAN HANCOCK FOUNDATION

PHYSICAL DATA REPORT

STATION: A1 SEA BUOY
LATITUDE 033:41:57 N

LONGITUDE 116:14:37 W

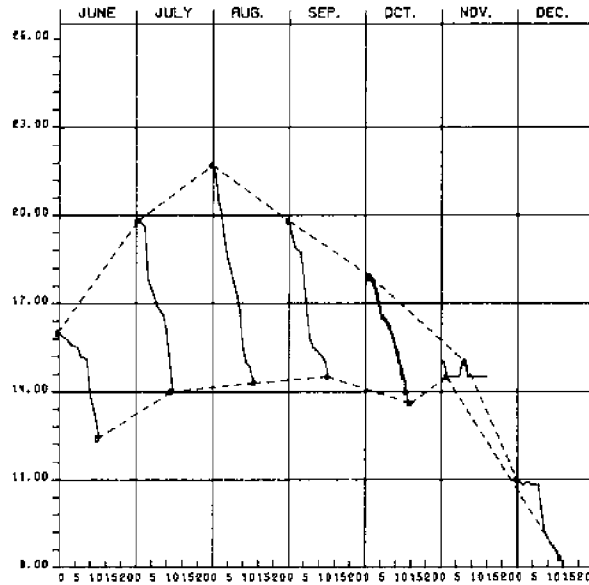
RECORDING DATE	DEPTH - METERS	DEPTH - FEET	TEMPERATURE C	TEMPERATURE F	SALINITY PPT	SALINITY DIS CMG PPM	PH	WIND-SKINS
AUG '73	00	0.0	17.5	63.5	33.00	7.90	7.31	
	01	3.3	17.1	62.8	33.60	7.70	7.33	
	02	6.6	16.6	61.9	33.50	8.10	7.36	
	03	9.8	16.0	60.8	33.60	8.20	7.37	
	04	13.1	15.8	60.4	33.60	8.00	7.36	
	05	16.4	15.3	59.5	33.70	8.00	7.36	
	06	19.7	14.7	58.5	33.60	8.20	7.36	
	07	23.0	14.2	57.6	33.50	8.20	7.34	
	08	26.2	14.0	57.2	33.60	7.90	7.33	
	09	29.5	13.8	56.8	33.60	7.90	7.32	
	10	32.8	13.5	56.3	33.40	7.80	7.28	
	11	36.1	13.2	55.8	33.50	7.60	7.28	
	12	39.4	13.1	55.6	33.40	7.20	7.28	
	13	42.6	13.0	55.4	33.40	7.10	7.27	
	14	45.9	12.6	55.0	33.40	7.10	7.26	
	15	49.2	12.7	54.9	33.40	6.90	7.25	
	16	52.5	12.7	54.9	33.40	6.80	7.24	
	17	55.8	12.6	54.7	33.40	6.90	7.24	
	18	59.0	12.6	54.7	33.40	6.90	7.24	
	19	62.3	12.6	54.7	33.40	7.20	7.24	
SEPT '73	00	0.0	16.0	60.8	33.30	8.20	8.10	
	01	3.3	15.8	60.4	33.30	8.40	8.11	
	02	6.6	15.8	60.4	33.30	8.40	8.11	
	03	9.8	15.9	60.6	33.30	8.40	8.12	
	04	13.1	15.8	60.4	33.30	8.30	8.12	
	05	16.4	15.8	60.4	33.30	8.20	8.11	
	06	19.7	15.7	60.3	33.30	8.20	8.11	
	07	23.0	15.6	60.1	33.30	8.20	8.11	
	08	26.2	15.4	59.7	33.30	8.10	8.11	
	09	29.5	15.2	59.4	33.30	8.10	8.09	
	10	32.8	14.8	58.6	33.30	8.00	8.07	
	11	36.1	14.7	58.5	33.30	7.90	8.07	
	12	39.4	14.6	58.3	33.30	7.60	8.04	
	13	42.6	14.6	58.3	33.30	7.60	8.04	
	14	45.9	14.4	57.9	33.30	7.30	8.02	
	15	49.2	14.2	57.6	33.30	7.40	8.01	
	16	52.5	14.0	57.2	33.30	7.40	8.00	
	17	55.8	13.6	56.5	33.50	7.30	8.00	
	18	59.0	13.0	55.4	33.40	7.20	7.96	
	19	62.3	12.6	54.7	33.30	7.00	7.93	
20	65.6	12.4	54.3	33.30	6.90	7.90		

ALLAN HANCOCK FOUNDATION

PHYSICAL DATA REPORT

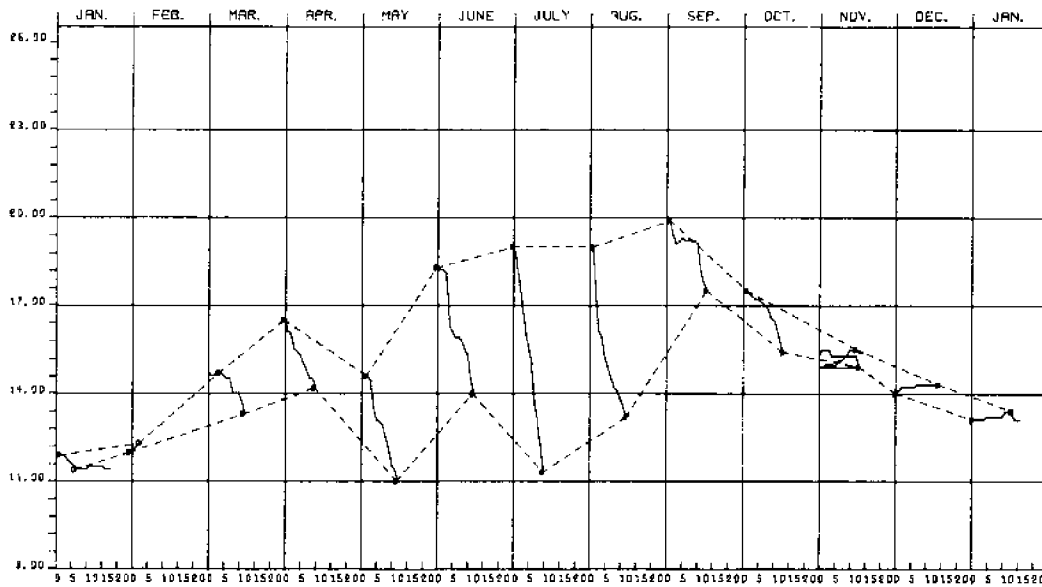
STATION: A1 SEA BUOY		LONGITUDE 118:14:33 *			
LATITUDE 033:41:57 N					
RECORDING DATE	DEPTH - METERS	TEMPERATURE °C	SALINITY PPT	DIS OXG PPM	PH
F I N I S H E D					
OCT '73	00	17.0	62.6	33.20	8.70
	01	3.3	17.0	33.30	8.40
	02	6.6	17.0	33.30	8.09
	03	9.8	17.0	33.40	8.10
	04	13.1	17.0	33.40	8.12
	05	16.4	16.9	33.40	8.12
	06	19.7	16.9	33.40	8.12
	07	23.0	16.8	33.40	8.12
	08	26.2	16.8	33.40	8.12
	09	29.5	16.8	33.40	8.12
	10	32.8	16.7	33.40	8.12
	11	36.1	16.6	33.40	8.12
	12	39.4	16.6	33.40	8.12
	13	42.6	16.5	33.40	8.12
	14	45.9	16.2	33.40	8.10
	15	49.2	15.8	33.40	8.08
	16	52.5	14.8	33.40	8.02
	17	55.8	13.8	33.60	7.98
	18	59.0	13.6	33.40	7.98
	19	62.3	13.5	33.40	7.96
	20	65.6	13.5	33.40	7.96
NOV '73	00	0.0	16.2	33.20	8.15
	01	3.3	16.1	33.30	8.17
	02	6.6	16.1	33.30	8.18
	03	9.8	16.0	33.30	8.18
	04	13.1	16.0	33.30	8.18
	05	16.4	16.0	33.30	8.19
	06	19.7	16.0	33.30	8.20
	07	23.0	16.0	33.30	8.20
	08	26.2	16.0	33.35	8.20
	09	29.5	16.0	33.35	8.20
	10	32.8	16.0	33.30	8.20
	11	36.1	16.0	33.30	8.20
	12	39.4	16.0	33.35	8.20
	13	42.6	16.0	33.35	8.20
	14	45.9	16.0	33.35	8.20
	15	49.2	16.0	33.40	8.20
	16	52.5	16.0	33.35	8.20
	17	55.8	16.0	33.40	8.21
	18	59.0	16.0	33.40	8.21
	19	62.3	16.0	33.40	8.21
	20	65.6	16.0	33.40	8.21

1971 TEMPERATURE DATA
 STATION: 02 R4 BUOY (71-72)
 DATA: DEPTH METERS / TEMP CELSIUS

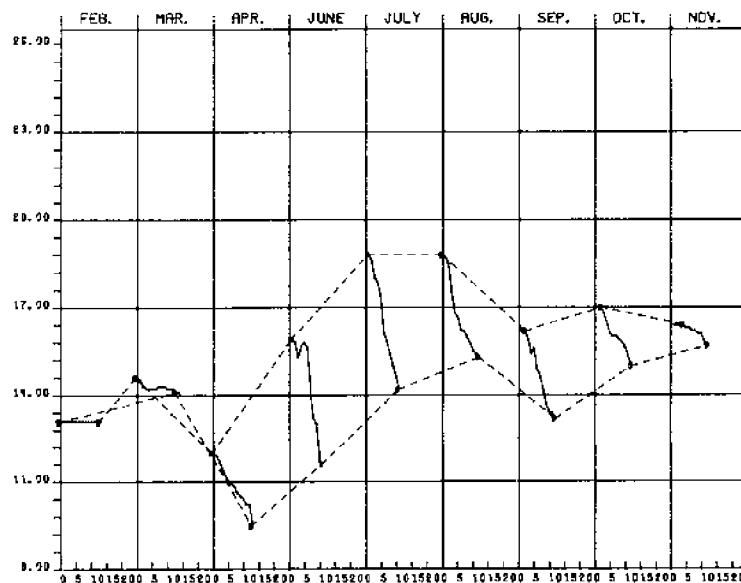


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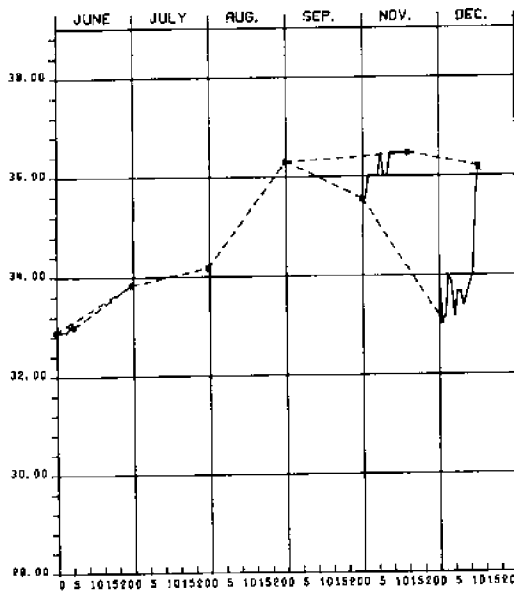
1972 TEMPERATURE DATA
 STATION: 02 R4 BUOY (71-72)
 DATA: DEPTH METERS / TEMP CELSIUS



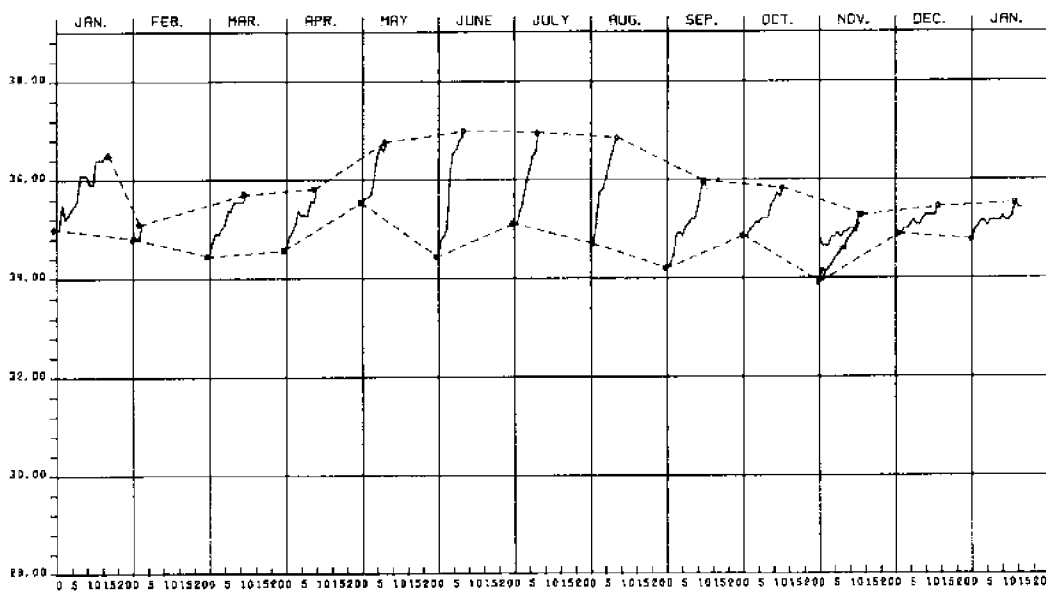
1973 TEMPERATURE DATA
 STATION: 02 R4 BUOY
 DATA: DEPTH METERS / TEMP CELSIUS



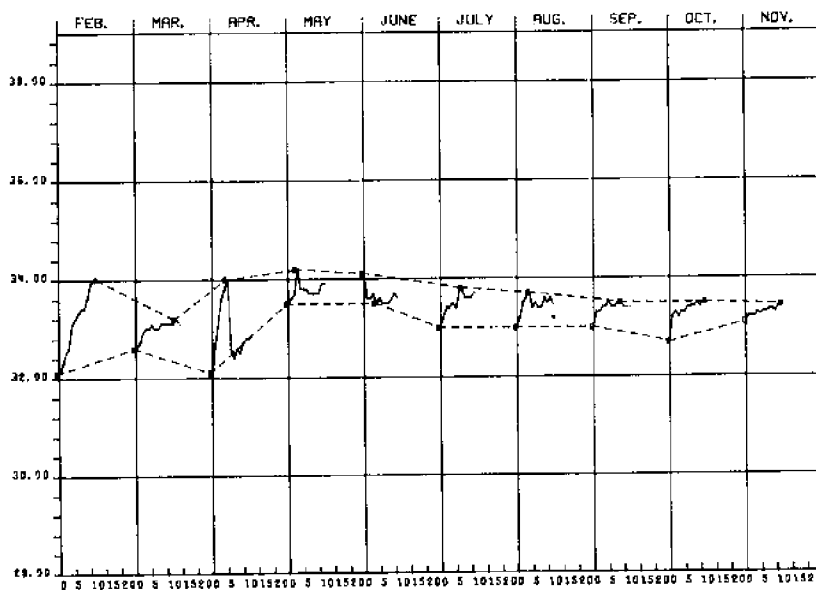
1971 SALINITY DATA
 STATION: 02 R4 BUOY (71-72)
 DATA: DEPTH METERS / SAL PPT



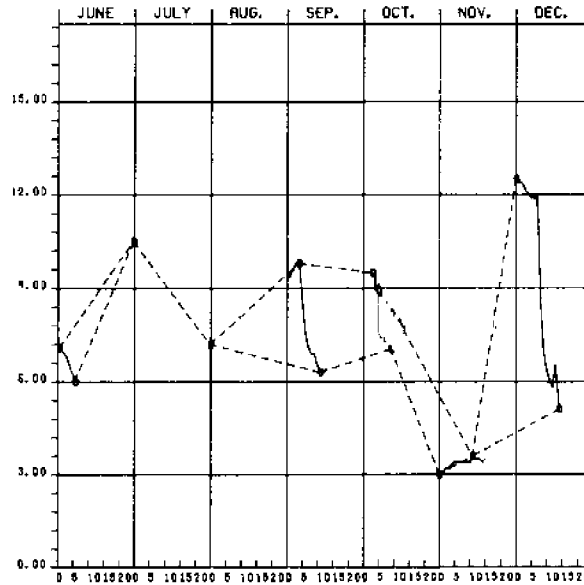
1972 SALINITY DATA
 STATION: 02 R4 BUOY (71-72)
 DATA: DEPTH METERS / SAL PPT



1973 SALINITY DATA
 STATION: 02 R4 BUOY
 DATA: DEPTH METERS / SAL PPT

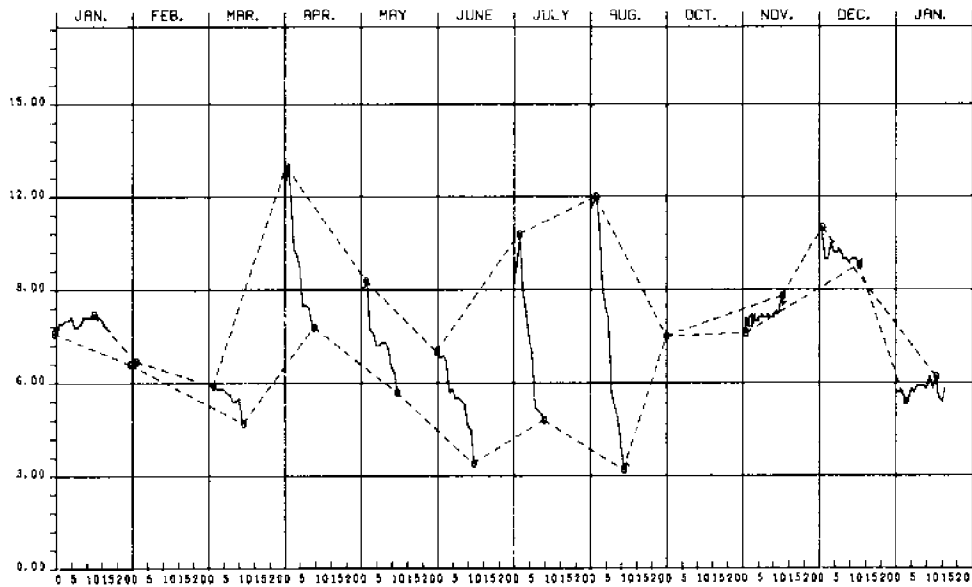


1971 DISSOLVED OXYGEN
 STATION: 02 R4 BUOY (71-72)
 DATA: DEPTH METERS / DIS OXG PPM

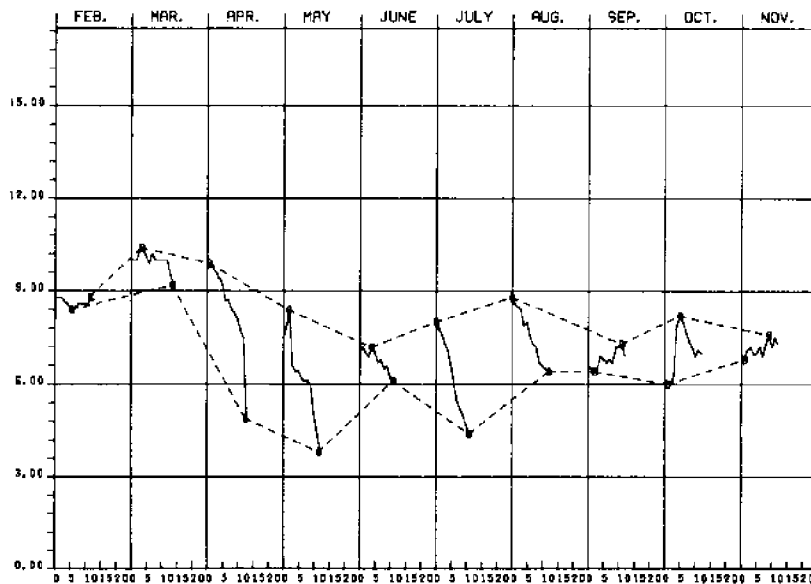


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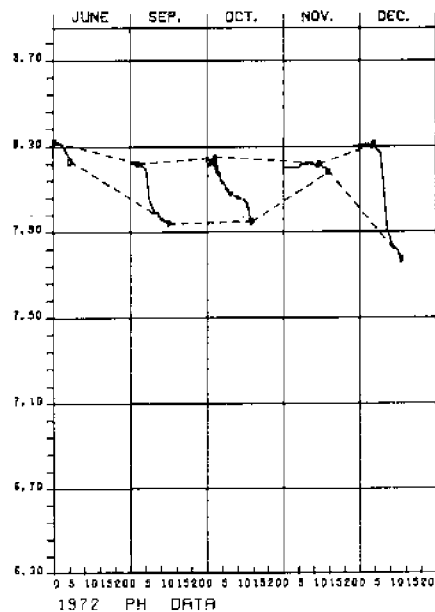
1972 DISSOLVED OXYGEN
 STATION: 02 R4 BUOY (71-72)
 DATA: DEPTH METERS / DIS OXG PPM



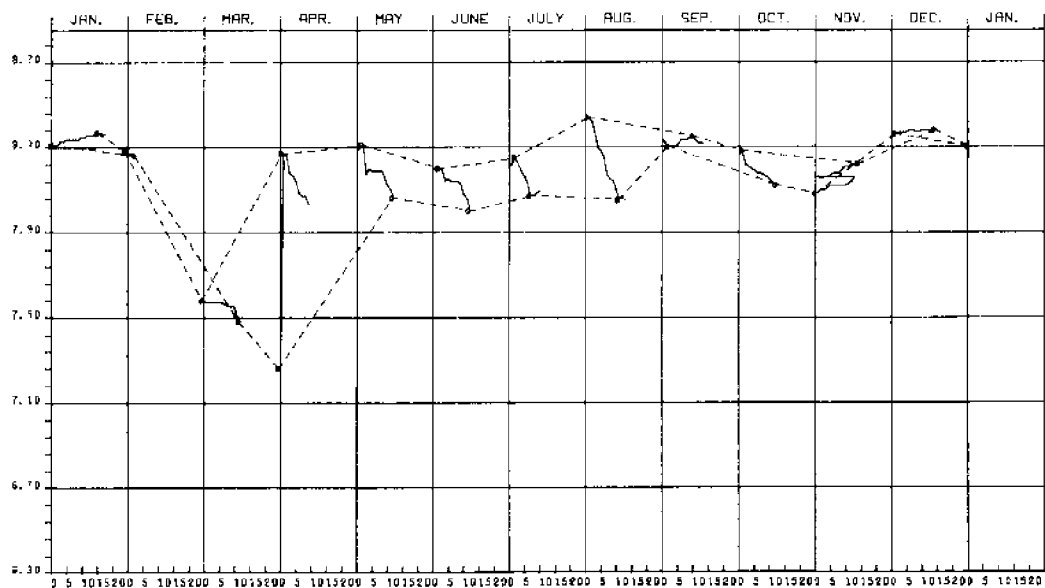
1973 DISSOLVED OXYGEN
 STATION: A2 R4 BUOY
 DATA: DEPTH METERS / DIS OXG PPM



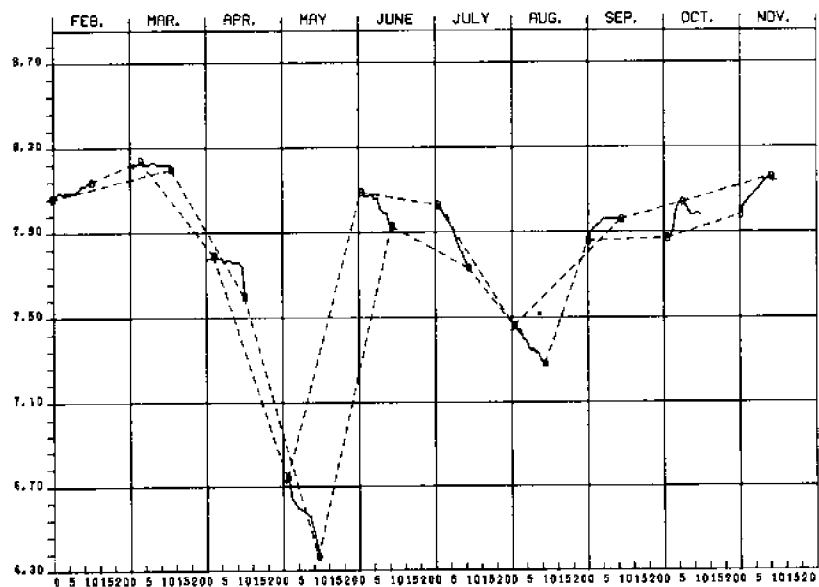
1971 PH DATA
 STATION: 02 R# BUDY (71-72)
 DATA: DEPTH METERS / PH H ION CONC



STATION: 02 R# BUDY (71-72)
 DATA: DEPTH METERS / PH H ION CONC



1973 PH DATA
 STATION: A2 R# BUDY
 DATA: DEPTH METERS / PH H ION CONC



ALLAN HANCOCK FOUNDATION

PHYSICAL DATA REPORT

STATION: 02 R4 BUCY (71-72) LONGITUDE 118:15:14 W
LATITUDE 033:43:55 N

RECORDING DATE	DEPTH - METERS	DEPTH - FEET	TEMPERATURE C	TEMPERATURE F	SALINITY PPT	DIS OXG PPM	PH	FIGN-COND
JUNE '71	00	0.0	16.0	60.8	32.90	7.10	8.32	
	01	3.3	15.9	60.6	32.90	7.10	8.32	
	03	9.8	15.7	60.3	32.90	6.50	8.31	
	04	13.1	15.6	60.1	33.00	6.50	8.28	
	06	19.7	15.5	59.9	33.00	6.00	8.23	
	07	23.0	15.2	59.4				
	09	29.5	15.1	59.2				
	10	32.8	14.0	57.2				
	12	39.4	13.0	55.4				
	13	42.6	12.4	54.3				
	00	0.0	19.8	67.6	33.84	10.50		
	01	3.3	19.8	67.6				
	03	9.8	19.6	67.3				
JULY '71	04	13.1	17.8	64.0				
	06	19.7	17.2	63.0				
	07	23.0	16.9	62.4				
	09	29.5	16.6	61.9				
	10	32.8	16.1	61.0				
	12	39.4	14.0	57.2				
	00	0.0	21.7	71.1	34.18	7.20	0.0	
	01	3.3	21.4	70.5				
	02	6.6	20.4	68.7				
	03	9.8	20.0	68.0				
	04	13.1	19.1	66.4				
	05	16.4	18.5	65.3				
AUG '71	06	19.7	18.1	64.6				
	07	23.0	17.7	63.9				
	08	26.2	17.3	63.1				
	09	29.5	16.7	62.1				
	10	32.8	15.5	59.9				
	11	36.1	15.0	59.0				
	12	39.4	14.9	58.8				
	13	42.6	14.5	58.1				
	14	45.9	14.3	57.7				

ALLAN HANCOCK FOUNDATION

PHYSICAL DATA REPORT

STATION: 02 R4 BUCY (71-72) LONGITUDE 118:15:14 W
LATITUDE 033:43:55 N

RECORDING DATE	DEPTH - METERS	DEPTH - FEET	TEMPERATURE C	TEMPERATURE F	SALINITY PPT	DIS OXG PPM	PH	FIGN-COND
SEPT '71	00	0.0	19.8	67.6	36.30	9.30	8.22	
	01	3.3	19.3	66.7		9.40	8.22	
	02	6.6	18.9	66.0		9.60	8.22	
	03	9.8	18.8	65.8		9.80	8.22	
	04	13.1	18.7	65.7		9.80	8.21	
	05	16.4	17.2	64.0		8.80	8.15	
	06	19.7	16.6	61.9		7.60	8.06	
	07	23.0	15.8	60.4		7.10	8.02	
	08	26.2	15.5	59.9		6.90	7.99	
	09	29.5	15.4	59.7		6.90	7.99	
	10	32.8	15.3	59.5		6.50	7.96	
	11	36.1	15.2	59.4		6.30	7.95	
	12	39.4	15.0	59.0		6.30	7.95	
	13	42.6	14.5	58.1		6.40	7.94	

ALLAN HANCOCK FOUNDATION

ALLAN HANCOCK FOUNDATION

PHYSICAL DATA REPORT

PHYSICAL DATA REPORT

STATION: 02 R4 BUOY (71-72) LONGITUDE 118:15:14 N
 LATITUDE 033:43:55 N

STATION: 02 R4 BUOY (71-72) LONGITUDE 118:15:14 N
 LATITUDE 033:43:55 N

RECORDING DATE	DEPTH - METERS	TEMPERATURE C	SALINITY PPT	DIS OXG PPM	PH
OCT '71	00	17.4	63.3	5.10	8.15
	00	17.9	64.2	9.50	8.24
	01	3.3	63.3	5.50	8.14
	01	3.3	64.2	5.50	8.24
	02	6.6	63.3	5.50	8.14
	02	6.6	64.2	5.50	8.25
	03	9.8	63.1	5.50	8.13
	03	9.8	64.0	5.40	8.25
	04	13.1	62.8	5.40	8.12
	04	13.1	63.5	6.30	8.18
	05	16.4	62.1	5.10	8.09
	05	16.4	62.4	7.65	8.14
	06	19.7	60.8	7.41	8.11
	06	19.7	61.9	8.90	8.08
	07	23.0	60.8	7.25	8.11
	07	23.0	61.7	8.70	8.06
	08	26.2	60.8	7.25	8.09
	08	26.2	61.5	8.70	8.05
	09	29.5	60.4	7.05	8.07
	09	29.5	61.0	8.50	8.04
	10	32.8	59.2	7.10	8.07
	10	32.8	60.4	8.30	8.01
	11	36.1	59.0	7.48	8.08
	11	36.1	59.7	8.20	8.01
	12	39.4	57.9	6.00	7.97
	12	39.4	58.8	7.41	8.07
	13	42.6	57.0	8.10	7.97
	13	42.6	58.3	7.40	8.06
	14	45.9	56.7	8.10	7.96
	15	45.2	56.5	8.00	7.95

RECORDING DATE	DEPTH - METERS	TEMPERATURE C	SALINITY PPT	DIS OXG PPM	PH
NOV '71	00	0.0	59.0	35.55	8.20
	01	3.3	59.0	35.55	8.20
	02	6.6	58.1	35.01	8.20
	03	9.8	58.1	36.01	8.20
	04	13.1	58.1	36.01	8.20
	05	16.4	58.1	36.01	8.20
	06	19.7	58.1	36.47	8.22
	07	23.0	59.0	36.00	8.22
	08	26.2	59.0	36.00	8.22
	09	29.5	58.1	36.47	8.22
	10	32.8	58.1	36.47	8.22
	11	36.1	58.1	36.47	8.20
	12	39.4	58.1	36.47	8.22
	13	42.6	58.1	36.47	8.20
	14	45.9	58.1	36.47	8.20
	15	49.2	58.1	36.47	8.18
DEC '71	00	0.0	51.8	33.99	8.30
	01	3.3	51.6	33.08	8.30
	02	6.6	51.4	33.17	8.31
	03	9.8	51.6	33.57	8.31
	04	13.1	51.6	33.87	8.29
	05	16.4	51.4	33.17	8.31
	06	19.7	51.4	33.67	8.28
	07	23.0	51.4	33.67	8.27
	08	26.2	50.0	33.40	8.10
	09	29.5	48.6	33.63	7.91
	10	32.8	48.2	33.82	7.87
	11	36.1	47.8	34.01	7.83
	12	39.4	47.7	35.68	7.82
	13	42.6	47.3	36.15	7.80
	14	45.9	46.9	36.08	7.77

ALLAN HANCOCK FOUNDATION

PHYSICAL DATA REPORT

STATION: 02		R4 BUCY (71-72)		LONGITUDE 118:15:14 W		PH	
LATITUDE 033:43:55 N						ION-SONS	
RECORDING DATE	DEPTH - METERS	TEMPERATURE C	SALINITY PPT	DIST CNG	PH		
JAN '72	00	0.0	11.9	53.4	35.00	7.60	8.31
	01	3.3	11.9	53.4	35.00	7.56	8.31
	02	6.6	11.9	53.4	35.50	7.50	8.31
	03	9.8	11.8	53.2	35.20	8.00	8.33
	04	13.1	11.7	53.1	35.30	8.00	8.33
	05	16.4	11.6	52.9	35.40	8.10	8.34
	06	19.7	11.5	52.7	35.50	7.80	8.34
	07	23.0	11.4	52.5	35.60	7.80	8.34
	08	26.2	11.4	52.5	36.10	7.90	8.34
	09	29.5	11.4	52.5	36.10	8.10	8.35
	10	32.8	11.4	52.5	36.10	8.10	8.35
	11	36.1	11.5	52.7	35.90	8.20	8.36
	12	39.4	11.5	52.7	35.90	8.20	8.36
	13	42.6	11.5	52.7	36.40	8.20	8.36
	14	45.9	11.5	52.7	36.40	8.20	8.36
	15	49.2	11.5	52.7	36.40	8.00	8.37
	16	52.5	11.4	52.5	36.50	7.70	8.36
	17	55.8	11.4	52.5	36.50	7.70	8.36
	18	59.0	11.4	52.5	36.50	7.70	8.36
FEB '72	00	0.0	12.0	53.6	35.00	6.60	8.28
	01	3.3	12.1	53.6	34.80	6.70	8.27
	02	6.6	12.2	54.0	34.80	6.70	8.27
	03	9.8	12.3	54.1	35.10	6.60	8.26
MAR '72	00	0.0	14.7	58.5	34.45	5.50	7.58
	01	3.3	14.6	58.3	34.72	5.50	7.57
	02	6.6	14.6	58.3	34.90	5.50	7.57
	03	9.8	14.7	58.5	34.92	5.80	7.57
	04	13.1	14.7	58.5	34.95	5.80	7.57
	05	16.4	14.6	58.3	35.02	5.80	7.57
	06	19.7	14.5	58.1	35.36	5.70	7.57
	07	23.0	14.5	58.1	35.36	5.60	7.56
	08	26.2	14.0	57.2	35.54	5.40	7.55
	09	29.5	14.0	57.2	35.54	5.40	7.55
	10	32.8	14.0	57.2	35.54	5.50	7.55
	11	36.1	13.7	56.7	35.54	4.80	7.50
	12	39.4	13.3	55.9	35.71	4.70	7.48

ALLAN HANCOCK FOUNDATION

PHYSICAL DATA REPORT

STATION: 02		R4 BUCY (71-72)		LONGITUDE 118:15:14 W		PH	
LATITUDE 033:43:55 N						ION-SONS	
RECORDING DATE	DEPTH - METERS	TEMPERATURE C	SALINITY PPT	DIST CNG	PH		
APR '72	00	0.0	10.5	61.7	34.56	14.20	7.26
	01	3.3	16.1	61.0	34.84	13.00	8.27
	02	6.6	16.0	60.8	34.93	12.20	8.26
	03	9.8	15.5	59.9	35.10	10.30	8.16
	04	13.1	15.4	59.7	35.37	10.10	8.17
	05	16.4	15.3	59.5	35.28	9.70	8.14
	06	19.7	15.0	59.0	35.28	8.50	8.09
	07	23.0	14.8	58.5	35.27	8.50	8.07
	08	26.2	14.5	58.1	35.64	8.40	8.07
	09	29.5	14.5	58.1	35.54	7.90	8.04
MAY '72	00	0.0	14.2	57.6	35.82	7.80	8.02
	01	3.3	14.5	58.1	35.54	9.00	8.28
	02	6.6	14.6	58.2	35.64	9.10	8.30
	03	9.8	14.4	57.9	35.73	7.70	8.31
	04	13.1	13.5	56.3	36.10	7.60	8.17
	05	16.4	13.1	55.6	36.46	7.20	8.20
	06	19.7	13.0	55.4	36.67	7.20	8.19
	07	23.0	12.9	55.2	36.57	7.30	8.19
	08	26.2	12.5	54.5	36.77	7.30	8.19
	09	29.5	12.1	53.8	36.10	7.10	8.16
JUNE '72	00	0.0	18.3	64.9	34.44	7.60	8.12
	01	3.3	18.2	64.8	34.77	6.90	8.20
	02	6.6	18.2	64.8	34.86	6.90	8.20
	03	9.8	18.1	64.6	35.03	6.70	8.19
	04	13.1	16.3	61.3	36.17	5.70	8.14
	05	16.4	16.1	61.0	36.53	5.80	8.15
	06	19.7	15.9	60.6	36.62	5.50	8.14
	07	23.0	15.9	60.6	36.80	5.50	8.14
	08	26.2	15.6	60.4	36.89	5.40	8.14
	09	29.5	15.3	59.9	36.59	5.30	8.13
	10	32.8	15.3	59.5	36.59	4.60	8.08
	11	36.1	14.5	56.1	4.50	5.06	8.06
	12	39.4	14.0	57.2	3.40	3.00	8.00

ALLAN HANCOCK FOUNDATION

PHYSICAL DATA REPORT

STATION: 02 R4 BUCY (71-72) LONGITUDE 118:15:14 N
 LATITUDE 033:43:55 N

RECORDING DATE	DEPTH - METERS	TEMPERATURE C	SALINITY PPT	DIS OXG PERM	PH H ION CONC
JULY '72	00	0.0	19.0	66.2	35.11
	01	3.3	18.5	65.3	35.11
	02	6.6	17.6	64.0	35.17
	03	9.8	17.0	62.6	35.55
	04	13.1	16.0	60.8	36.00
	05	16.4	15.6	60.1	36.18
	06	19.7	15.0	59.0	36.44
	07	23.0	13.6	56.5	36.57
	08	26.2	13.0	55.4	36.95
	09	29.5	12.2	54.0	
	10	32.8	11.3	52.3	
AUG '72	00	0.0	19.0	66.2	34.54
	01	3.3	19.0	66.2	34.59
	02	6.6	17.5	63.5	35.11
	03	9.8	16.1	61.0	35.73
	04	13.1	15.9	60.6	35.82
	05	16.4	15.2	59.4	36.00
	06	19.7	14.9	58.8	36.28
	07	23.0	14.5	58.1	36.56
	08	26.2	14.2	57.6	36.75
	09	29.5	14.1	57.4	36.84
	10	32.8	13.8	56.8	
	11	36.1	13.5	56.3	
	12	39.4	13.2	55.8	
	13	42.6	13.3	55.9	
SEPT '72	00	0.0	19.8	67.6	34.20
	01	3.3	19.9	67.8	34.28
	02	6.6	19.4	66.9	34.44
	03	9.8	19.1	66.4	34.86
	04	13.1	19.2	66.6	34.94
	05	16.4	19.3	66.7	34.86
	06	19.7	19.2	66.6	35.02
	07	23.0	19.2	66.6	35.11
	08	26.2	19.2	66.6	35.15
	09	29.5	19.2	66.6	35.19
	10	32.8	19.1	66.4	35.44
	11	36.1	18.2	64.8	35.79
	12	39.4	17.8	64.0	35.97
	13	42.6	17.5	63.5	35.80

ALLAN HANCOCK FOUNDATION

PHYSICAL DATA REPORT

STATION: 02 R4 BUCY (71-72) LONGITUDE 118:15:14 N
 LATITUDE 033:43:55 N

RECORDING DATE	DEPTH - METERS	TEMPERATURE C	SALINITY PPT	DIS OXG PERM	PH H ION CONC
OCT '72	00	0.0	17.5	63.5	34.86
	01	3.3	17.5	63.5	34.86
	02	6.6	17.4	63.3	34.94
	03	9.8	17.3	63.1	35.03
	04	13.1	17.2	62.0	35.11
	05	16.4	17.2	63.0	35.11
	06	19.7	17.1	62.8	35.20
	07	23.0	17.0	62.6	35.20
	08	26.2	16.9	62.4	35.20
	09	29.5	16.6	61.9	35.46
	10	32.8	16.5	61.7	35.55
	11	36.1	16.2	61.2	35.73
	12	39.4	15.8	60.4	35.64
	13	42.6	15.4	59.7	35.82

ALLAN HANCOCK FOUNDATION

PHYSICAL DATA REPORT

STATION: 02 R4 BUCY (71-72) LONGITUDE 118:15:14 *
 LATITUDE 033:43:55 N

RECORDING DATE	- DEPTH - METERS	TEMPERATURE C	TEMPERATURE F	SALINITY PPT	DIS OXG PPM	PH
NOV *72	00	15.3	59.5	34.83	8.20	8.08
	01	14.9	58.8	33.91	7.70	8.16
	02	14.9	58.8	34.19	7.60	8.16
	03	15.5	59.9	34.65	8.10	8.09
	04	15.0	59.0	34.10	7.80	8.15
	05	15.5	59.9	34.65	8.10	8.10
	06	15.5	59.9	34.65	8.20	8.10
	07	15.0	59.0	34.19	7.80	8.16
	08	15.3	59.5	34.83	8.20	8.11
	09	15.0	59.0	34.28	8.00	8.16
	10	14.9	58.8	34.37	8.00	8.17
	11	15.3	59.5	34.83	8.10	8.12
	12	15.3	59.5	34.92	8.10	8.12
	13	15.1	59.2	34.46	8.20	8.18
	14	23.0	59.2	34.55	8.10	8.18
	15	23.0	59.5	34.83	8.10	8.12
	16	26.2	59.5	34.92	8.20	8.12
	17	29.5	59.5	34.74	8.10	8.20
	18	29.5	59.5	34.92	8.10	8.12
	19	32.8	59.5	35.01	8.10	8.12
	20	32.8	59.9	34.83	8.20	8.21
	21	36.1	59.9	34.92	8.30	8.21
	22	36.1	59.5	35.01	8.20	8.13
	23	39.4	59.5	34.92	8.30	8.14
	24	39.4	59.9	35.01	8.50	8.22
	25	42.6	59.7	35.28	8.80	8.22
	26	42.6	58.8	35.09	8.60	8.16
	27	45.9	55.7	35.28	8.60	8.22

ALLAN HANCOCK FOUNDATION

PHYSICAL DATA REPORT

STATION: 02 R4 BUCY (71-72) LONGITUDE 118:15:14 *
 LATITUDE 033:43:55 N

RECORDING DATE	- DEPTH - METERS	TEMPERATURE C	TEMPERATURE F	SALINITY PPT	DIS OXG PPM	PH
DEC *72	00	14.0	57.2	34.58	11.00	8.37
	01	14.1	57.4	34.89	11.00	8.36
	02	14.2	57.6	34.90	10.00	8.37
	03	14.2	57.6	34.99	10.00	8.37
	04	13.1	57.6	34.99	10.50	8.37
	05	16.4	57.6	35.08	10.20	8.37
	06	19.7	57.6	35.17	10.20	8.38
	07	23.0	57.7	35.08	10.30	8.38
	08	26.2	57.7	35.08	10.00	8.37
	09	29.5	57.7	35.18	10.00	8.37
	10	32.8	57.7	35.27	5.90	8.38
	11	36.1	57.7	35.27	10.00	8.38
	12	39.4	57.7	35.27	10.00	8.38
	13	42.6	57.7	35.27	5.80	8.38
	14	45.9	57.7	35.45	10.00	8.38
JAN *73	00	13.1	55.6	34.77	5.70	
	01	13.1	55.6	34.96	5.70	
	02	13.1	55.6	35.05	5.70	
	03	13.1	55.6	35.15	5.40	
	04	13.1	55.6	35.15	5.40	
	05	16.4	55.8	35.06	5.80	
	06	19.7	55.8	35.15	5.70	
	07	23.0	55.8	35.15	5.90	
	08	26.2	55.8	35.15	5.90	
	09	29.5	55.8	35.15	5.90	
	10	32.8	55.8	35.25	5.80	
	11	36.1	56.1	35.16	6.20	
	12	39.4	56.1	35.16	5.80	
	13	42.6	56.1	35.25	6.20	
	14	45.9	55.6	35.53	5.50	
	15	49.2	55.6	35.43	5.40	
	16	52.5	55.6	35.43	5.60	

ALLAN HANCOCK FOUNDATION

ALLAN HANCOCK FOUNDATION

PHYSICAL DATA REPORT

PHYSICAL DATA REPORT

STATION: A2 R4 BUCY
LATITUDE 033:43:03 NSTATION: A2 R4 BUCY
LATITUDE 033:43:03 N LONGITUDE 118:15:37 W

RECORDING DATE FEB '73

RECORDING DATE APR '73

- DEPTH -
METERS FEET- DEPTH -
METERS FEET

TEMPERATURE C F

TEMPERATURE C F

SALINITY PPT

SALINITY PPT

DIS OXG PPM

DIS OXG PPM

PH P-ION CONC

PH P-ION CONC

FEB '73

FEB '73

00 0.0 13.1 55.6 32.10 8.80 8.06

00 0.0 12.0 53.6 32.10 9.90 7.77

01 3.3 13.1 55.6 32.30 8.80 8.08

01 3.3 11.9 53.4 32.70 9.90 7.78

02 6.6 13.1 55.6 32.50 8.80 8.09

02 6.6 11.7 53.1 33.20 9.70 7.78

03 9.8 13.1 55.6 32.60 8.70 8.08

03 9.8 11.4 52.5 33.60 9.60 7.79

04 13.1 13.1 55.6 33.10 8.60 8.09

04 13.1 11.2 52.2 33.80 9.40 7.78

05 16.4 13.1 55.6 33.20 8.50 8.09

05 16.4 11.0 51.8 34.00 9.20 7.78

06 19.7 13.1 55.6 33.30 8.40 8.09

06 19.7 10.9 51.6 32.60 8.70 7.77

07 23.0 13.1 55.6 33.40 8.30 8.10

07 23.0 10.8 51.4 32.40 8.70 7.77

08 26.2 13.1 55.6 33.40 8.20 8.12

08 26.2 10.6 51.1 32.60 8.40 7.77

09 29.5 13.1 55.6 33.60 8.10 8.12

09 29.5 10.5 50.9 32.50 8.30 7.76

10 32.8 13.1 55.6 34.00 8.00 8.13

10 32.8 10.4 50.7 32.70 8.10 7.76

11 36.1 13.1 55.6 34.00 8.00 8.14

11 36.1 10.2 50.4 32.80 7.70 7.76

12 39.4 13.1 55.6 34.00 8.00 8.14

12 39.4 10.2 50.4 32.60 7.50 7.74

13 42.6 13.1 55.6 34.00 8.70 8.14

13 42.6 9.5 49.1 32.90 4.90 7.60

MAR '73

MAR '73

00 0.0 14.6 58.2 32.50 10.00 6.22

00 0.0 13.50 33.50 7.50 6.73

01 3.3 14.5 58.1 32.70 10.00 6.21

01 3.3 33.60 33.60 7.80 6.72

02 6.6 14.3 57.7 32.90 10.00 6.22

02 6.6 33.70 33.70 8.40 6.74

03 9.8 14.2 57.6 33.00 10.40 6.23

03 9.8 34.20 34.20 6.60 6.64

04 13.1 14.2 57.6 33.10 10.40 6.24

04 13.1 33.80 33.80 6.40 6.62

05 16.4 14.2 57.6 33.10 10.20 6.22

05 16.4 33.80 33.80 6.40 6.60

06 19.7 14.2 57.6 33.00 10.00 6.23

06 19.7 33.70 33.70 6.20 6.59

07 23.0 14.3 57.7 33.10 10.00 6.22

07 23.0 33.70 33.70 6.10 6.58

08 26.2 14.3 57.7 33.10 10.00 6.22

08 26.2 33.70 33.70 6.10 6.57

09 29.5 14.3 57.7 33.10 10.00 6.22

09 29.5 33.70 33.70 6.00 6.56

10 32.8 14.2 57.6 33.10 10.00 6.22

10 32.8 33.70 33.70 5.10 6.50

11 36.1 14.2 57.6 33.10 10.00 6.22

11 36.1 33.90 33.90 4.50 6.44

12 39.4 14.2 57.6 33.10 10.00 6.22

12 39.4 33.90 33.90 3.80 6.37

13 42.6 14.1 57.4 33.20 10.00 6.22

13 42.6 34.10 34.10 7.00 8.09

JUNE '73

JUNE '73

00 0.0 15.9 60.6 31.60 7.00 8.09

00 0.0 15.9 60.6 31.60 7.20 8.09

01 3.3 15.8 60.4 33.60 7.00 8.07

01 3.3 15.8 60.4 33.60 7.00 8.07

02 6.6 15.3 59.5 33.50 7.20 8.08

02 6.6 15.3 59.5 33.50 7.20 8.08

03 9.8 15.6 60.4 33.50 6.70 8.06

03 9.8 15.6 60.4 33.50 6.80 8.06

04 13.1 15.6 60.4 33.50 6.50 7.99

04 13.1 15.6 60.4 33.50 6.50 7.99

05 16.4 13.2 55.8 33.50 6.60 7.94

05 16.4 13.2 55.8 33.50 6.60 7.94

06 19.7 13.0 55.4 33.60 6.20 7.93

06 19.7 13.0 55.4 33.60 6.20 7.93

07 23.0 11.7 53.1 33.60 6.10 7.93

07 23.0 11.7 53.1 33.60 6.10 7.93

08 26.2 11.6 52.9 33.60 6.10 7.93

08 26.2 11.6 52.9 33.60 6.10 7.93

ALLAN HANCOCK FOUNDATION

PHYSICAL DATA REPORT

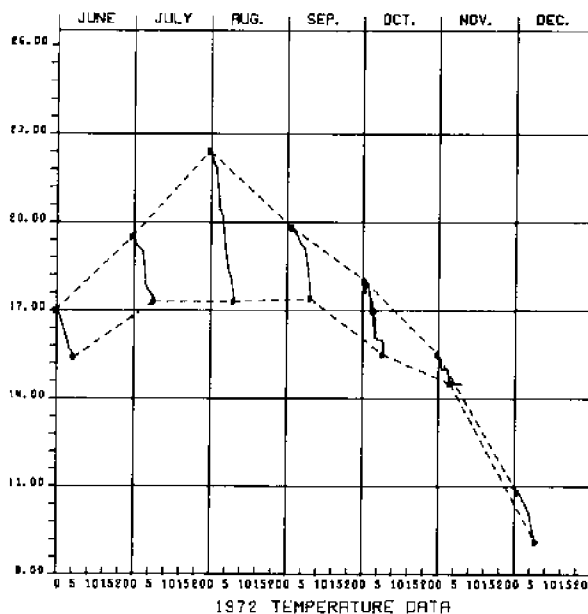
STATION: A2 R4 BUCY		LONGITUDE 118:15:37 W				LATITUDE 033:43:03 N								
RECORDING DATE	DEPTH - METERS	TEMPERATURE °C	SALINITY PPT	DIS OXG PPM	PH	H-ION CONC	RECORDING DATE	DEPTH - METERS	TEMPERATURE °C	SALINITY PPT	DIS OXG PPM	PH	H-ION CONC	
OCT '73	00	0.0	17.0	62.6	32.70	6.20	7.88	NOV '73	00	0.0	16.4	61.5	33.10	7.98
	01	3.3	17.0	62.6	33.20	6.00	7.87		01	3.3	16.4	61.5	33.20	8.02
	02	6.6	17.0	62.6	33.30	6.00	7.88		02	6.6	16.4	61.5	33.20	8.04
	03	9.8	16.8	62.2	33.20	6.30	7.90		03	9.8	16.4	61.5	33.20	8.06
	04	13.1	16.4	61.5	33.30	7.90	8.00		04	13.1	16.4	61.5	33.30	8.07
	05	16.4	16.1	61.0	33.30	8.20	8.04		05	16.4	16.3	61.3	33.25	8.09
	06	19.7	16.0	60.8	33.40	8.00	8.10		06	19.7	16.3	61.3	33.30	8.10
	07	23.0	16.0	60.8	33.40	7.70	8.03		07	23.0	16.2	61.2	33.30	8.12
	08	26.2	15.3	60.6	33.40	7.40	8.00		08	26.2	16.2	61.2	33.35	8.14
	09	29.5	15.8	60.4	33.50	7.20	7.96		09	29.5	16.1	61.0	33.35	8.15
	10	32.8	15.6	60.1	33.40	6.90	7.98		10	32.8	16.1	61.0	33.30	8.16
	11	36.1	15.3	59.5	33.50	7.10	7.95		11	36.1	15.8	60.4	33.45	8.14
12	39.4	15.0	59.0	33.50	7.00	7.93	12	39.4	15.7	60.3	33.45	8.14		

ALLAN HANCOCK FOUNDATION

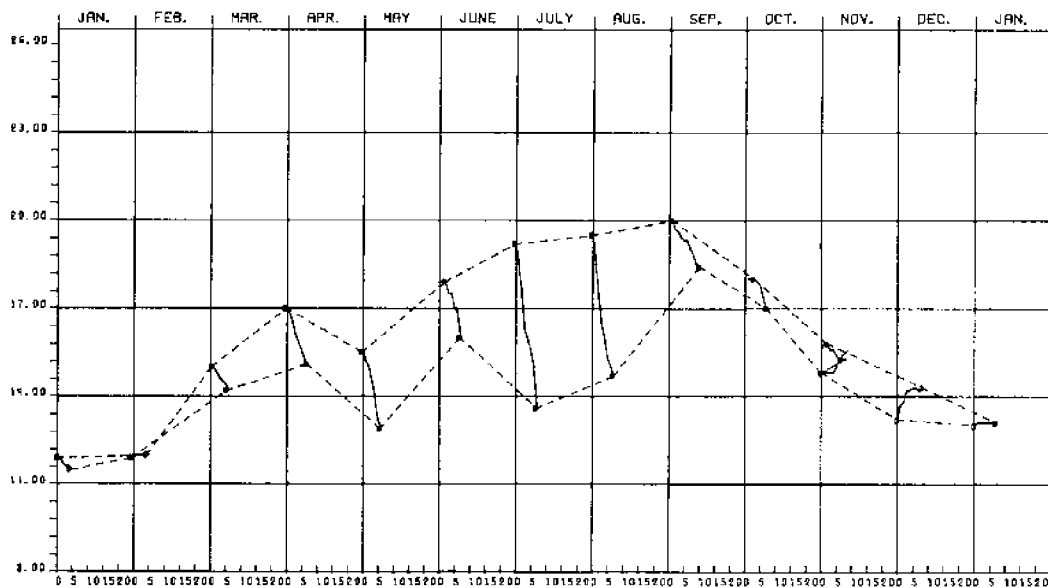
PHYSICAL DATA REPORT

STATION: A2 R4 BUCY		LONGITUDE 118:15:37 W		LATITUDE 033:43:03 N		RECORDING DATE		DEPTH - METERS		TEMPERATURE °C		SALINITY PPT		DIS OXG PPM		PH		H-ION CONC		
JULY '73	00	0.0	18.8	65.8	33.00	8.00	AUG '73	00	0.0	18.8	65.8	33.00	8.00		00	0.0	18.8	65.8	33.00	8.00
	01	3.3	18.8	65.8	33.20	7.60		01	3.3	18.7	65.7	33.20	8.60		01	3.3	18.7	65.7	33.20	7.46
	02	6.6	18.6	65.5	33.40	7.60		02	6.6	18.5	65.3	33.50	8.50		02	6.6	18.5	65.3	33.50	7.44
	03	9.8	18.0	64.4	33.40	7.30		03	9.8	17.5	63.5	33.60	8.40		03	9.8	17.5	63.5	33.60	7.44
	04	13.1	17.8	64.0	33.50	7.10		04	13.1	16.8	62.2	33.70	7.90		04	13.1	16.8	62.2	33.70	7.40
	05	16.4	17.4	63.3	33.40	6.60		05	16.4	16.7	62.1	33.40	8.00		05	16.4	16.7	62.1	33.40	7.39
	06	19.7	16.1	61.0	33.70	7.92		06	19.7	16.2	61.2	33.50	7.50		06	19.7	16.2	61.2	33.50	7.35
	07	23.0	15.8	60.4	33.80	5.50		07	23.0	16.2	61.2	33.40	7.30		07	23.0	16.2	61.2	33.40	7.34
	08	26.2	15.4	59.7	33.60	5.20		08	26.2	16.0	60.8	33.40	7.20		08	26.2	16.0	60.8	33.40	7.34
	09	29.5	15.0	59.0	33.60	5.00		09	29.5	15.8	60.4	33.60	6.70		09	29.5	15.8	60.4	33.60	7.33
	10	32.8	14.6	58.3	33.60	4.70		10	32.8	15.5	59.9	33.50	6.60		10	32.8	15.5	59.9	33.50	7.29
	11	36.1	14.2	57.6	33.70	4.40		11	36.1	15.4	59.7	33.60	6.50		11	36.1	15.4	59.7	33.60	7.28
SEPT '73	12	39.4	15.3	59.5	33.40	6.40	12	39.4	15.3	59.5	33.40	6.40	12	39.4	15.3	59.5	33.40	7.26		
	00	0.0	16.2	61.2	33.00	6.60		00	0.0	16.2	61.2	33.00	6.60		00	0.0	16.2	61.2	33.00	7.86
	01	3.3	16.2	61.2	33.30	6.50		01	3.3	16.2	61.2	33.30	6.50		01	3.3	16.2	61.2	33.30	7.90
	02	6.6	16.2	61.2	33.30	6.40		02	6.6	16.2	61.2	33.30	6.40		02	6.6	16.2	61.2	33.30	7.92
	03	9.8	15.9	60.6	33.40	6.50		03	9.8	15.9	60.6	33.40	6.50		03	9.8	15.9	60.6	33.40	7.93
	04	13.1	15.4	59.7	33.40	6.90		04	13.1	15.4	59.7	33.40	6.90		04	13.1	15.4	59.7	33.40	7.94
	05	16.4	15.6	60.1	33.50	7.96		05	16.4	15.6	60.1	33.50	6.80		05	16.4	15.6	60.1	33.50	7.96
	06	19.7	14.9	58.8	33.40	6.70		06	19.7	14.9	58.8	33.40	6.70		06	19.7	14.9	58.8	33.40	7.96
	07	23.0	14.6	58.3	33.40	6.80		07	23.0	14.6	58.3	33.40	6.80		07	23.0	14.6	58.3	33.40	7.96
	08	26.2	14.2	57.6	33.50	6.70		08	26.2	14.2	57.6	33.50	6.70		08	26.2	14.2	57.6	33.50	7.96
	09	29.5	13.7	56.7	33.50	7.20		09	29.5	13.7	56.7	33.50	7.20		09	29.5	13.7	56.7	33.50	7.96
	10	32.8	13.4	56.1	33.40	7.30		10	32.8	13.4	56.1	33.40	7.30		10	32.8	13.4	56.1	33.40	7.96
11	36.1	13.4	56.1	33.40	6.90	11		36.1	13.4	56.1	33.40	6.90	11		36.1	13.4	56.1	33.40	7.96	
12	39.4	13.2	56.8	33.40	6.90	12	39.4	13.2	56.8	33.40	6.90	12	39.4	13.2	56.8	33.40	7.94			

1971 TEMPERATURE DATA
 STATION: 03 R2 BUOY (71-72)
 DATA: DEPTH METERS / TEMP CELSIUS

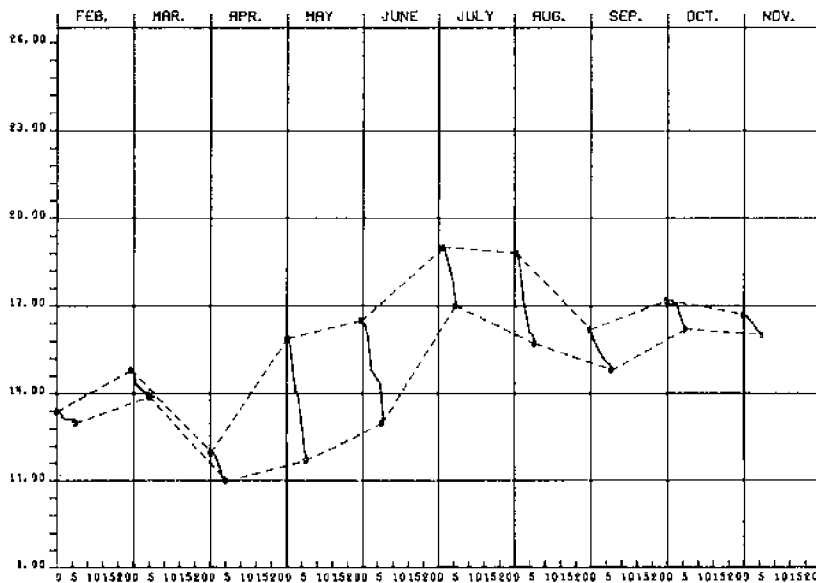


STATION: 03 R2 BUOY (71-72)
 DATA: DEPTH METERS / TEMP CELSIUS

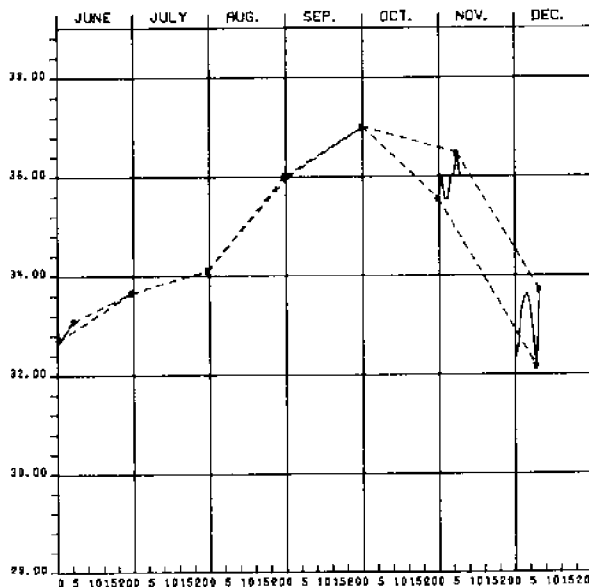


1973 TEMPERATURE DATA

STATION: 03 R2 BUOY
 DATA: DEPTH METERS / TEMP CELSIUS

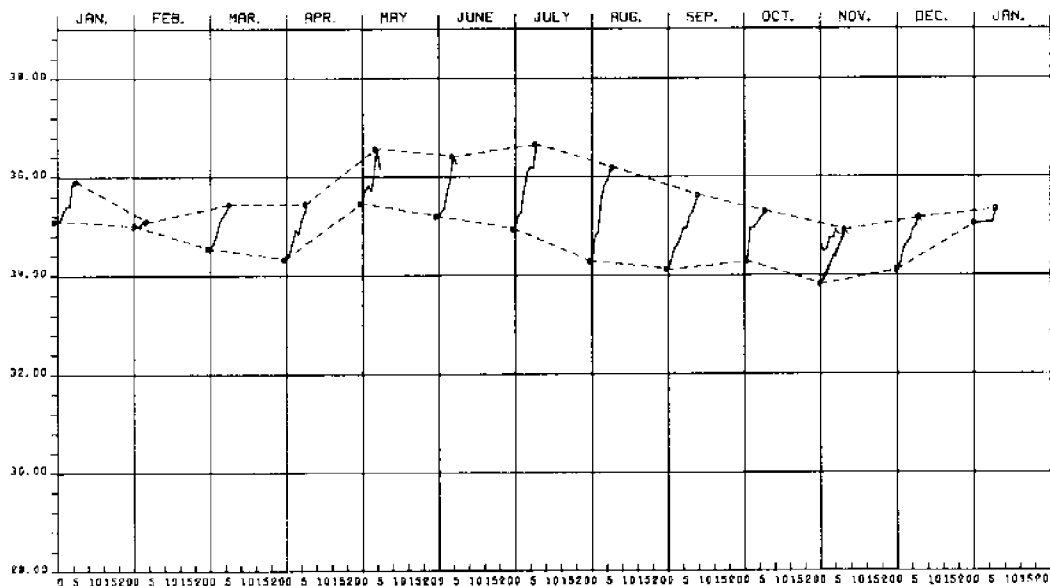


1971 SALINITY DATA
 STATION: 03 R2 BUOY (71-72)
 DATA: DEPTH METERS / SAL PPT

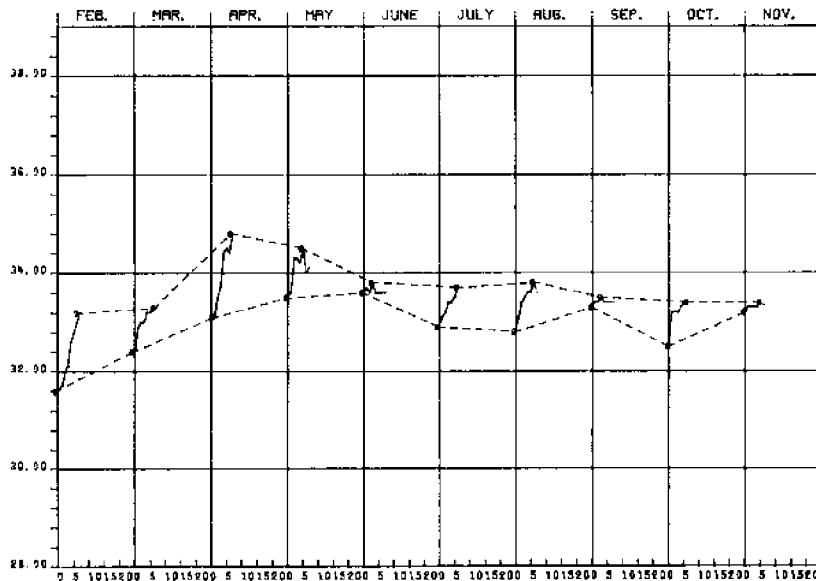


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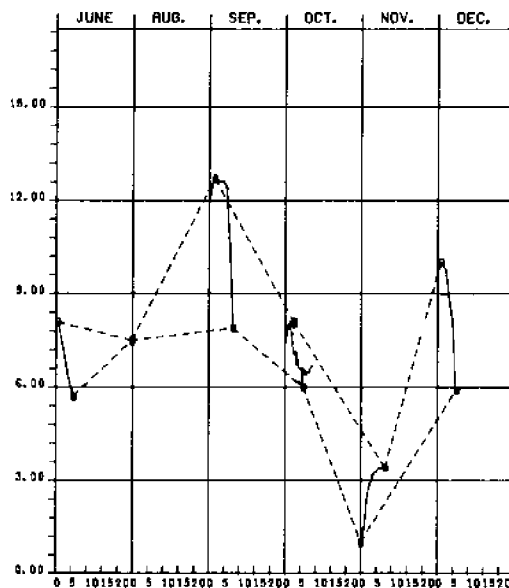
1972 SALINITY DATA
 STATION: 03 R2 BUOY (71-72)
 DATA: DEPTH METERS / SAL PPT



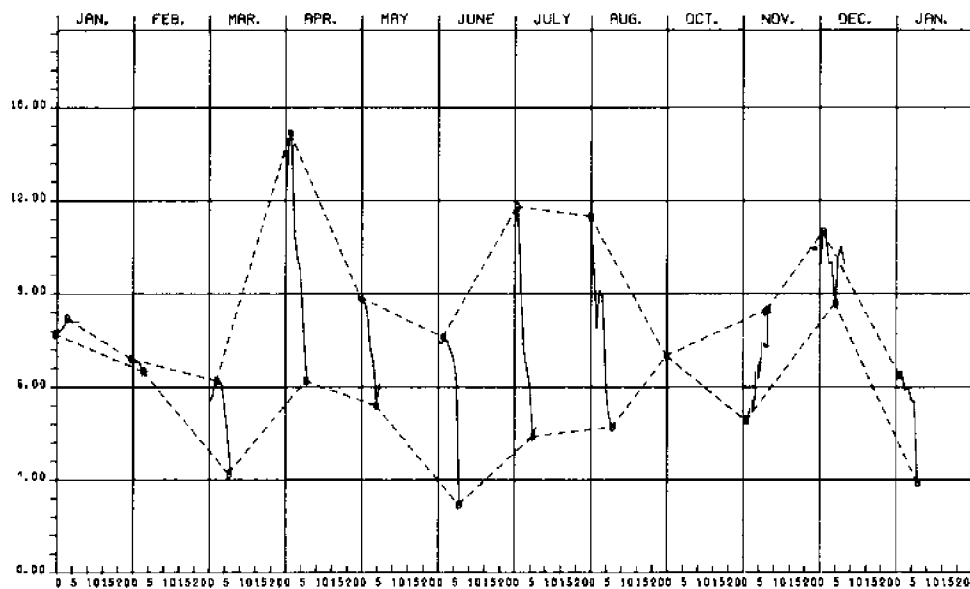
1973 SALINITY DATA
 STATION: 03 R2 BUOY
 DATA: DEPTH METERS / SAL PPT



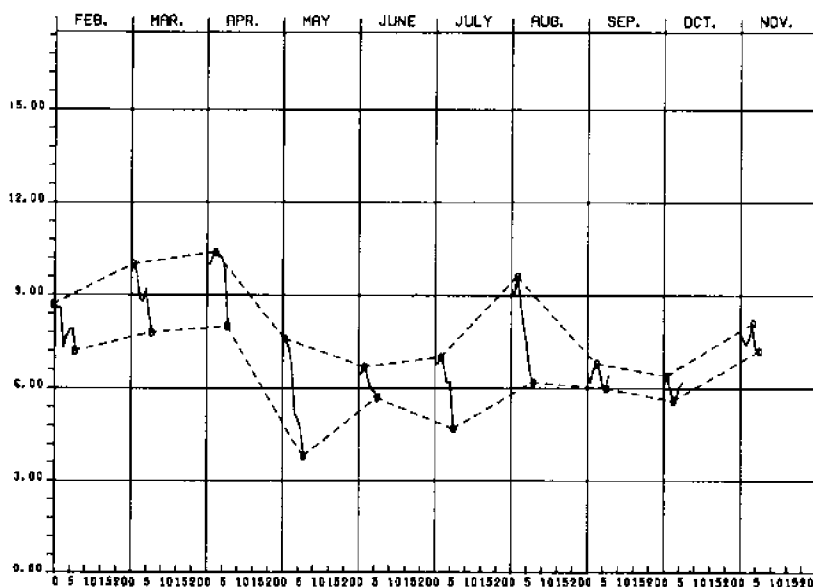
1971 DISSOLVED OXYGEN
STATION: 03 R2 BUOY (71-72)
DATA: DEPTH METERS / DIS OXG PPM



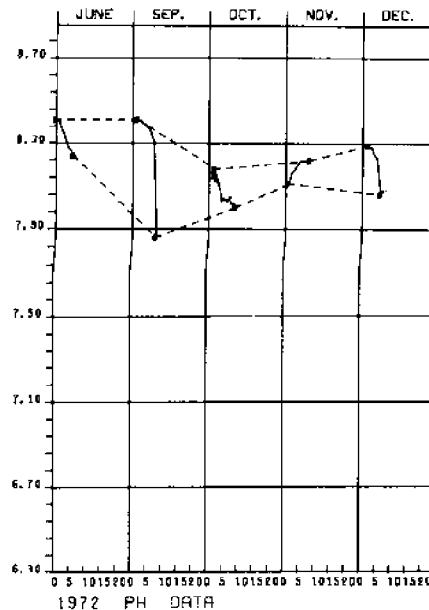
1972 DISSOLVED OXYGEN
STATION: 03 R2 BUOY (71-72)
DATA: DEPTH METERS / DIS OXG PPM



1973 DISSOLVED OXYGEN
STATION: A3 R2 BUOY
DATA: DEPTH METERS / DIS OXG PPM

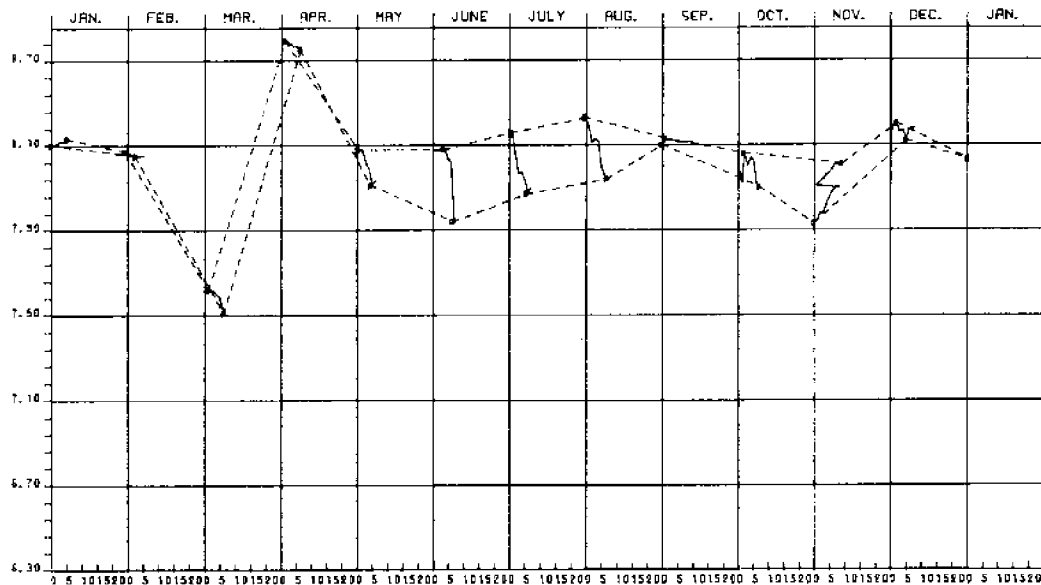


1971 PH DATA
 STATION: 03 R2 BUOY (71-72)
 DATA: DEPTH METERS / PH H ION CONC

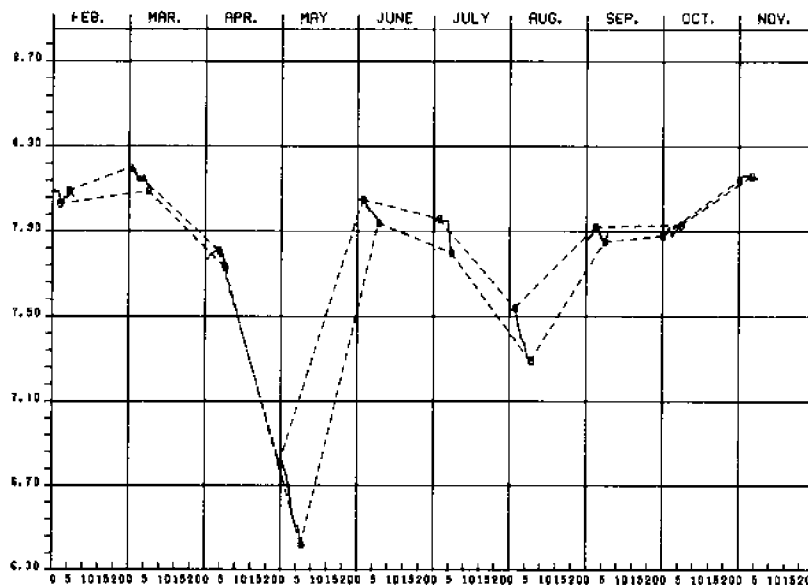


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1972 PH DATA
 STATION: 03 R2 BUOY (71-72)
 DATA: DEPTH METERS / PH H ION CONC



1973 PH DATA
 STATION: 03 R2 BUOY
 DATA: DEPTH METERS / PH H ION CONC



ALLAN HANCOCK FOUNDATION

PHYSICAL DATA REPORT

STATION: 03 M2 BUCY (71-72) LONGITUDE 118:15:37 W
 LATITUDE 033:43:28 N

RECORDING DATE	- DEPTH - METERS	TEMPERATURE C	SALINITY PPT	DISTANCE DIS CXG PPM	PH P-H-ION CONC
JUNE *71	00	0.0	17.0	62.6	32.90
	01	3.3	16.8	62.2	32.70
	03	9.8	16.1	61.0	32.90
	04	13.1	15.7	60.3	33.00
	06	19.7	15.4	55.7	33.10
	08	26.2	17.3	63.1	33.67
JULY *71	00	0.0	19.5	67.1	33.67
	01	3.3	19.2	66.8	
	03	9.8	19.0	66.2	
	04	13.1	17.8	64.0	
	06	19.7	17.5	63.5	
	07	23.0	17.3	63.1	
AUG *71	00	0.0	22.4	72.3	34.11
	01	3.3	22.0	71.6	
	02	6.6	21.8	71.2	
	03	9.8	20.4	68.7	
	04	13.1	20.2	68.4	
	05	16.4	19.1	66.4	
SEPT *71	00	0.0	19.8	67.6	36.01
	01	3.3	19.8	67.6	36.01
	02	6.6	19.8	67.6	
	03	9.8	19.6	67.3	
	04	13.1	19.4	66.9	
	05	16.4	19.2	66.6	
OCT *71	00	0.0	15.5	59.9	35.55
	01	3.3	15.0	59.0	35.55
	02	6.6	15.0	59.0	35.55
	03	9.8	15.0	59.0	35.55
	04	13.1	14.5	58.1	36.01
	05	16.4	14.5	58.1	36.01
NOV *71	00	0.0	15.5	59.9	35.55
	01	3.3	15.0	59.0	35.55
	02	6.6	15.0	59.0	35.55
	03	9.8	15.0	59.0	35.55
	04	13.1	14.5	58.1	36.01
	05	16.4	14.5	58.1	36.01
DEC *71	00	0.0	10.8	51.4	32.26
	01	3.3	10.8	51.4	32.57
	02	6.6	10.7	51.3	33.26
	03	9.8	10.5	50.9	33.54
	04	13.1	10.3	50.5	33.63
	05	16.4	10.0	50.0	33.40
JAN *72	00	0.0	10.8	51.4	32.26
	01	3.3	10.8	51.4	32.57
	02	6.6	10.7	51.3	33.26
	03	9.8	10.5	50.9	33.54
	04	13.1	10.3	50.5	33.63
	05	16.4	10.0	50.0	33.40
FEB *72	00	0.0	10.8	51.4	32.26
	01	3.3	10.8	51.4	32.57
	02	6.6	10.7	51.3	33.26
	03	9.8	10.5	50.9	33.54
	04	13.1	10.3	50.5	33.63
	05	16.4	10.0	50.0	33.40
MAR *72	00	0.0	10.8	51.4	32.26
	01	3.3	10.8	51.4	32.57
	02	6.6	10.7	51.3	33.26
	03	9.8	10.5	50.9	33.54
	04	13.1	10.3	50.5	33.63
	05	16.4	10.0	50.0	33.40
APR *72	00	0.0	10.8	51.4	32.26
	01	3.3	10.8	51.4	32.57
	02	6.6	10.7	51.3	33.26
	03	9.8	10.5	50.9	33.54
	04	13.1	10.3	50.5	33.63
	05	16.4	10.0	50.0	33.40
MAY *72	00	0.0	10.8	51.4	32.26
	01	3.3	10.8	51.4	32.57
	02	6.6	10.7	51.3	33.26
	03	9.8	10.5	50.9	33.54
	04	13.1	10.3	50.5	33.63
	05	16.4	10.0	50.0	33.40
JUN *72	00	0.0	10.8	51.4	32.26
	01	3.3	10.8	51.4	32.57
	02	6.6	10.7	51.3	33.26
	03	9.8	10.5	50.9	33.54
	04	13.1	10.3	50.5	33.63
	05	16.4	10.0	50.0	33.40
JUL *72	00	0.0	10.8	51.4	32.26
	01	3.3	10.8	51.4	32.57
	02	6.6	10.7	51.3	33.26
	03	9.8	10.5	50.9	33.54
	04	13.1	10.3	50.5	33.63
	05	16.4	10.0	50.0	33.40
AUG *72	00	0.0	10.8	51.4	32.26
	01	3.3	10.8	51.4	32.57
	02	6.6	10.7	51.3	33.26
	03	9.8	10.5	50.9	33.54
	04	13.1	10.3	50.5	33.63
	05	16.4	10.0	50.0	33.40
SEPT *72	00	0.0	10.8	51.4	32.26
	01	3.3	10.8	51.4	32.57
	02	6.6	10.7	51.3	33.26
	03	9.8	10.5	50.9	33.54
	04	13.1	10.3	50.5	33.63
	05	16.4	10.0	50.0	33.40
OCT *72	00	0.0	10.8	51.4	32.26
	01	3.3	10.8	51.4	32.57
	02	6.6	10.7	51.3	33.26
	03	9.8	10.5	50.9	33.54
	04	13.1	10.3	50.5	33.63
	05	16.4	10.0	50.0	33.40
NOV *72	00	0.0	10.8	51.4	32.26
	01	3.3	10.8	51.4	32.57
	02	6.6	10.7	51.3	33.26
	03	9.8	10.5	50.9	33.54
	04	13.1	10.3	50.5	33.63
	05	16.4	10.0	50.0	33.40
DEC *72	00	0.0	10.8	51.4	32.26
	01	3.3	10.8	51.4	32.57
	02	6.6	10.7	51.3	33.26
	03	9.8	10.5	50.9	33.54
	04	13.1	10.3	50.5	33.63
	05	16.4	10.0	50.0	33.40
JAN *73	00	0.0	10.8	51.4	32.26
	01	3.3	10.8	51.4	32.57
	02	6.6	10.7	51.3	33.26
	03	9.8	10.5	50.9	33.54
	04	13.1	10.3	50.5	33.63
	05	16.4	10.0	50.0	33.40
FEB *73	00	0.0	10.8	51.4	32.26
	01	3.3	10.8	51.4	32.57
	02	6.6	10.7	51.3	33.26
	03	9.8	10.5	50.9	33.54
	04	13.1	10.3	50.5	33.63
	05	16.4	10.0	50.0	33.40
MAR *73	00	0.0	10.8	51.4	32.26
	01	3.3	10.8	51.4	32.57
	02	6.6	10.7	51.3	33.26
	03	9.8	10.5	50.9	33.54
	04	13.1	10.3	50.5	33.63
	05	16.4	10.0	50.0	33.40
APR *73	00	0.0	10.8	51.4	32.26
	01	3.3	10.8	51.4	32.57
	02	6.6	10.7	51.3	33.26
	03	9.8	10.5	50.9	33.54
	04	13.1	10.3	50.5	33.63
	05	16.4	10.0	50.0	33.40
MAY *73	00	0.0	10.8	51.4	32.26
	01	3.3	10.8	51.4	32.57
	02	6.6	10.7	51.3	33.26
	03	9.8	10.5	50.9	33.54
	04	13.1	10.3	50.5	33.63
	05	16.4	10.0	50.0	33.40
JUN *73	00	0.0	10.8	51.4	32.26
	01	3.3	10.8	51.4	32.57
	02	6.6	10.7	51.3	33.26
	03	9.8	10.5	50.9	33.54
	04	13.1	10.3	50.5	33.63
	05	16.4	10.0	50.0	33.40
JUL *73	00	0.0	10.8	51.4	32.26
	01	3.3	10.8	51.4	32.57
	02	6.6	10.7	51.3	33.26
	03	9.8	10.5	50.9	33.54
	04	13.1	10.3	50.5	33.63
	05	16.4	10.0	50.0	33.40
AUG *73	00	0.0	10.8	51.4	32.26
	01	3.3	10.8	51.4	32.57
	02	6.6	10.7	51.3	33.26
	03	9.8	10.5	50.9	33.54
	04	13.1	10.3	50.5	33.63
	05	16.4	10.0	50.0	33.40
SEPT *73	00	0.0	10.8	51.4	32.26
	01	3.3	10.8	51.4	32.57
	02	6.6	10.7	51.3	33.26
	03	9.8	10.5	50.9	33.54
	04	13.1	10.3	50.5	33.63
	05	16.4	10.0	50.0	33.40
OCT *73	00	0.0	10.8	51.4	32.26
	01	3.3	10.8	51.4	32.57
	02	6.6	10.7	51.3	33.26
	03	9.8	10.5	50.9	33.54
	04	13.1	10.3	50.5	33.63
	05	16.4	10.0	50.0	33.40
NOV *73	00	0.0	10.8	51.4	32.26
	01	3.3	10.8	51.4	32.57
	02	6.6	10.7	51.3	33.26
	03	9.8	10.5	50.9	33.54
	04	13.1	10.3	50.5	33.63
	05	16.4	10.0	50.0	33.40
DEC *73	00	0.0	10.8	51.4	32.26
	01	3.3	10.8	51.4	32.57
	02	6.6	10.7	51.3	33.26
	03	9.8	10.5	50.9	33.54
	04	13.1	10.3	50.5	33.63
	05	16.4	10.0	50.0	33.40
JAN *74	00	0.0	10.8	51.4	32.26
	01	3.3	10.8	51.4	32.57
	02	6.6	10.7	51.3	33.26
	03	9.8	10.5	50.9	33.54
	04	13.1	10.3	50.5	33.63
	05	16.4	10.0	50.0	33.40
FEB *74	00	0.0	10.8	51.4	32.26
	01	3.3	10.8	51.4	32.57
	02	6.6	10.7	51.3	33.26
	03	9.8	10.5	50.9	33.54
	04	13.1	10.3	50.5	33.63
	05	16.4	10.0	50.0	33.40
MAR *74	00	0.0	10.8	51.4	32.26
	01	3.3	10.8	51.4	32.57
	02	6.6	10.7	51.3	33.26
	03	9.8	10.5	50.9	33.54
	04	13.1	10.3	50.5	33.63
	05	16.4	10.0	50.0	33.40
APR *74	00	0.0	10.8	51.4	3

PHYSICAL DATA - RECORD

STATION: 03		R2 BUOY (71-72)		LONGITUDE 118:15:37 N		PH	
LATITUDE 033:43:28 N						H ION CONC	
RECORDING DATE	DEPTH - METERS	TEMPERATURE C	SALINITY PPT	OIS CKG PPM	PH		
JAN '72	00	11.9	53.4	35.10	7.70	8.30	
	01	3.3	53.4	35.10	7.60	8.30	
	02	6.6	53.1	35.30	7.50	8.31	
	03	9.8	52.9	35.40	8.10	8.32	
	04	13.1	52.9	35.40	8.20	8.32	
	05	16.4	52.7	35.90	8.10	8.33	
	06	19.7	52.7	35.90	8.10	8.33	
	07	23.0	52.7	35.90	8.10	8.32	
FEB '72	00	11.9	53.4	35.10	6.90	8.27	
	01	3.3	53.6	35.00	6.80	8.26	
	02	6.6	53.0	35.00	6.80	8.26	
	03	9.8	53.6	35.10	6.60	8.25	
	04	13.1	53.6	35.10	6.50	8.25	
	05	16.4	53.6	35.10	6.50	8.25	
MAR '72	00	14.9	58.8	34.54	5.50	7.61	
	01	3.3	59.0	34.64	5.70	7.61	
	02	6.6	58.6	34.81	6.20	7.62	
	03	9.8	58.3	35.08	6.20	7.61	
	04	13.1	58.1	35.17	6.10	7.60	
	05	16.4	57.9	35.26	5.40	7.58	
	06	19.7	57.6	35.45	4.50	7.53	
	07	23.0	57.6	35.45	3.20	7.51	
APR '72	00	17.0	62.6	34.33	11.90	8.78	
	01	3.3	62.2	34.41	13.90	8.78	
	02	6.6	61.7	34.67	14.20	8.79	
	03	9.8	60.8	34.93	11.00	8.78	
	04	13.1	60.4	34.84	10.10	8.77	
	05	16.4	59.9	35.10	9.70	8.77	
	06	19.7	59.4	35.28	7.50	8.76	
	07	23.0	59.2	35.46	6.20	8.75	
MAY '72	00	15.5	59.9	35.46	8.90	8.28	
	01	3.3	59.4	35.73	8.70	8.28	
	02	6.6	59.0	35.82	8.40	8.27	
	03	9.8	58.1	35.73	7.20	8.27	
	04	13.1	57.0	36.10	6.80	8.19	
	05	16.4	55.8	36.57	5.40	8.11	
	06	19.7	55.2	36.14	6.10	8.13	

PHYSICAL DATA - RECORD

STATION: 03		R2 BUOY (71-72)		LONGITUDE 118:15:37 N		PH	
LATITUDE 033:43:28 N						F ION CONC	
RECORDING DATE	DEPTH - METERS	TEMPERATURE C	SALINITY PPT	OIS CKG PPM	PH		
JUNE '72	00	17.9	64.2	35.20	7.50	8.29	
	01	3.3	64.2	35.28	7.40	8.28	
	02	6.6	64.2	35.37	7.60	8.28	
	03	9.8	63.5	35.72	7.50	8.28	
	04	13.1	63.5	35.97	7.20	8.28	
	05	16.4	62.0	36.42	6.90	8.24	
	06	19.7	62.4	36.25	6.40	8.22	
	07	23.0	60.8	2.20	4.40	7.94	
JULY '72	00	19.2	66.6	34.94	11.20	8.32	
	01	3.3	65.1	35.20	11.80	8.36	
	02	6.6	63.7	35.28	9.50	8.26	
	03	9.8	61.3	35.73	7.20	8.17	
	04	13.1	60.6	36.09	6.60	8.17	
	05	16.4	60.1	36.18	6.00	8.14	
	06	19.7	59.0	36.15	4.40	8.07	
	07	23.0	56.5	36.66	4.70	8.10	
AUG '72	00	19.5	67.1	34.28	11.50	8.43	
	01	3.3	65.3	34.77	10.00	8.38	
	02	6.6	63.5	34.86	7.90	8.31	
	03	9.8	61.7	35.55	9.10	8.33	
	04	13.1	60.6	35.82	8.90	8.32	
	05	16.4	59.5	35.91	8.00	8.20	
	06	19.7	59.0	36.10	5.10	8.16	
	07	23.0	58.5	36.19	4.70	8.14	
SEPT '72	00	20.0	68.0	34.12		8.30	
	01	3.3	68.0	34.26		8.33	
	02	6.6	67.6	34.53		8.32	
	03	9.8	67.3	34.61		8.32	
	04	13.1	66.9	34.77		8.32	
	05	16.4	66.7	34.94		8.31	
	06	19.7	66.7	34.94		8.31	
	07	23.0	66.2	35.15		8.31	
	08	26.2	65.8	35.28		8.31	
	09	29.5	65.3	35.45		8.32	
	10	32.8	65.1	35.62		8.32	

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ALLAN HANCOCK FOUNDATION

PHYSICAL DATA REPORT

STATION: 03		R2 BUCY (71-72)		LONGITUDE 118:15:37 W		PH	
LATITUDE 033:43:26 N		TEMPERATURE		DIS OXG		F. ION CONC	
RECORDING	DEPTH -	TEMPERATURE	SALINITY	DIS OXG	PH		
DATE	METERS FEET	C F	PPT	PPM	F. ION CONC		
OCT *72	00	0.0	18.0	64.4	34.43	7.00	6.20
	01	3.3	18.0	64.4	34.27		8.12
	02	6.6	18.0	64.4	34.94		8.26
	03	9.8	18.0	64.4	34.94		8.20
	04	13.1	17.9	64.2	35.03		8.24
	05	16.4	17.8	64.0	35.11		8.23
	06	19.7	17.4	63.3	35.20		8.12
NOV *72	07	23.0	17.0	62.6	35.29		8.10
	00	0.0	15.6	60.1	34.66	5.20	7.93
	01	3.3	14.8	56.6	33.82	7.10	8.11
	02	6.6	15.6	60.4	34.48	4.90	7.95
	03	9.8	15.6	60.4	34.51	5.20	7.98
	04	13.1	15.6	60.1	34.75	7.80	8.14
	05	16.4	15.4	59.7	34.36	5.20	7.98
DEC *72	06	19.7	15.2	59.0	34.37	6.30	8.06
	07	23.0	15.4	59.7	34.92	7.00	8.08
	00	0.0	13.2	55.8	34.11	9.60	8.35
	01	3.3	13.7	56.7	34.23	11.00	8.39
	02	6.6	13.8	56.8	34.51	10.80	8.40
	03	9.8	14.2	57.6	34.62	10.00	8.36
	04	13.1	14.2	57.6	34.71	10.00	8.37
	05	16.4	14.3	57.7	34.90	8.70	8.32
	06	19.7	14.3	57.7	34.99	10.20	8.37
	07	23.0	14.2	57.6	35.17	10.50	8.38
	08	26.2	14.3	57.7	35.08	10.00	8.38

ALLAN HANCOCK FOUNDATION

PHYSICAL DATA REPORT

STATION: 03		R2 BUCY (71-72)		LONGITUDE 118:15:37 W		PH	
LATITUDE 033:43:26 N		TEMPERATURE		DIS OXG		F. ION CONC	
RECORDING	DEPTH -	TEMPERATURE	SALINITY	DIS OXG	PH		
DATE	METERS FEET	C F	PPT	PPM	F. ION CONC		
JAN *73	00	0.0	13.0	55.4	35.05	6.40	6.40
	01	3.3	13.1	55.6	35.05	6.40	6.40
	02	6.6	13.1	55.6	35.05	6.30	6.30
	03	9.8	13.1	55.6	35.05	6.50	6.50
	04	13.1	13.1	55.6	35.06	6.00	6.00
	05	16.4	13.1	55.6	35.06	6.60	6.60
	06	19.7	13.1	55.6	35.06	6.60	6.60
	07	23.0	13.1	55.6	35.34	2.90	2.90

PHYSICAL DATA REPORT

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STATION: A3 R2 BUCY
LATITUDE 033:43:28 N
LONGITUDE 118:15:37 W
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RECORDING		- DEPTH -		TEMPERATURE		SALINITY		DIS		PH	
DATE	METERS	FEET	C	F	PPT	CM	PSM	CM	PSM	CM	PSM
JUNE '73	00	0.0	16.5	61.7	33.60		6.40		6.40		6.40
	01	3.3	16.3	61.3	33.70		6.50		6.50		6.40
	02	6.6	15.9	60.6	33.80		6.70		6.70		6.40
	03	9.9	14.8	58.6	33.80		6.30		6.30		6.40
	04	13.1	14.0	57.2	33.60		6.60		6.60		6.40
	05	16.4	14.5	58.1	33.60		5.90		5.90		6.40
	06	19.7	14.3	57.7	33.60		5.70		5.70		6.40
JULY '73	00	0.0	19.0	66.2	32.50		6.50		6.50		6.40
	01	3.3	19.0	66.2	33.10		6.80		6.80		6.40
	02	6.6	19.0	66.2	33.20		7.00		7.00		6.40
	03	9.9	18.6	65.5	33.40		6.70		6.70		6.40
	04	13.1	18.2	64.8	33.40		6.20		6.20		6.40
	05	16.4	17.8	64.0	33.50		6.20		6.20		6.40
	06	19.7	17.0	62.6	33.70		4.70		4.70		6.40
AUG '73	00	0.0	18.8	65.8	32.80		5.20		5.20		6.40
	01	3.3	18.2	65.8	33.10		5.00		5.00		6.40
	02	6.6	18.2	64.2	33.40		5.60		5.60		6.40
	03	9.9	17.2	63.0	33.50		8.60		8.60		6.40
	04	13.1	16.6	61.9	33.60		8.10		8.10		6.40
	05	16.4	16.1	61.0	33.60		7.50		7.50		6.40
	06	19.7	16.0	60.8	33.80		6.60		6.60		6.40
SEPT '73	00	0.0	16.2	61.2	33.30		6.50		6.50		6.40
	01	3.3	15.8	60.4	33.40		6.20		6.20		6.40
	02	6.6	15.6	60.1	33.40		6.60		6.60		6.40
	03	9.9	15.4	59.7	33.50		6.80		6.80		6.40
	04	13.1	15.2	59.4	33.40		6.60		6.60		6.40
	05	16.4	15.1	59.2	33.40		6.10		6.10		6.40
	06	19.7	15.0	59.0	33.40		6.00		6.00		6.40
OCT '73	00	0.0	17.2	63.0	32.50		6.10		6.10		6.40
	01	3.3	17.0	62.6	33.20		6.40		6.40		6.40
	02	6.6	17.1	62.8	33.20		6.00		6.00		6.40
	03	9.9	17.1	62.8	33.20		5.60		5.60		6.40
	04	13.1	16.7	62.1	33.30		5.70		5.70		6.40
	05	16.4	16.4	61.5	33.40		6.00		6.00		6.40
	06	19.7	16.2	61.2	33.40		6.20		6.20		6.40

PHYSICAL DATA REPORT

STATION: A3 R2 8UCY
LATITUDE 033:43:28 N
LONGITUDE 118:15:37 E

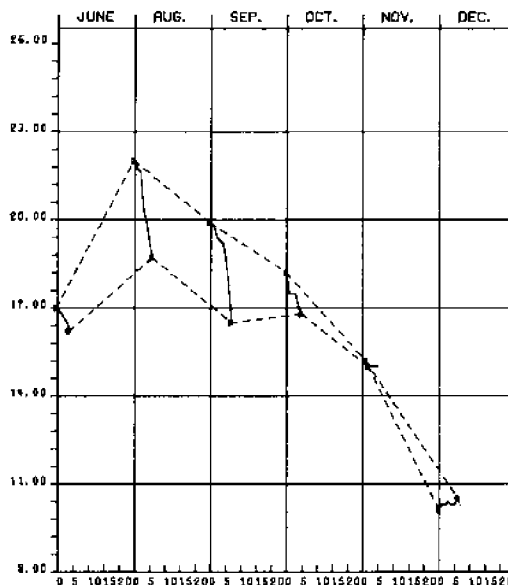
RECORDING DATE	- DEPTH - METERS	FEET	TEMPERATURE C	F	SALINITY PPT	CIS	DXG	PH
						SPM		
FEB '73	00	0.0	13.4	56.1	31.60	8.70	8.09	
	01	3.3	13.4	56.1	31.70	8.60	8.09	
	02	6.6	13.2	55.8	32.00	8.60	8.09	
	03	9.8	13.1	55.6	32.10	7.30	8.03	
	04	13.1	13.1	55.6	32.60	7.70	8.06	
	05	16.4	13.1	55.6	32.80	7.90	8.06	
	06	19.7	13.1	55.6	33.00	7.50	8.09	
	07	23.0	13.0	55.4	33.20	7.20	8.06	
MAR '73	00	0.0	14.8	58.6	32.40	16.00	8.19	
	01	3.3	14.3	57.7	32.90	10.00	8.20	
	02	6.6	14.2	57.6	33.00	9.70	8.19	
	03	9.8	14.1	57.4	33.00	8.90	8.14	
	04	13.1	14.0	57.2	33.20	8.80	8.14	
	05	16.4	14.0	57.2	33.20	9.20	8.16	
	06	19.7	13.9	57.0	33.30	8.40	8.12	
	07	23.0	13.9	57.0	33.30	7.80	8.05	
APR '73	00	0.0	11.8	53.2	33.20	16.00	7.76	
	01	3.3	12.0	53.6	33.10	10.00	7.77	
	02	6.6	11.8	53.2	33.50	10.30	7.79	
	03	9.8	11.5	52.7	33.70	10.40	7.80	
	04	13.1	11.1	52.0	34.40	10.30	7.81	
	05	16.4	11.1	52.0	34.50	10.20	7.81	
	06	19.7	11.0	51.8	34.40	5.80	7.75	
	07	23.0	11.0	51.8	34.80	8.00	7.73	
MAY '73	00	0.0	15.7	60.3	33.50	7.40	6.81	
	01	3.3	15.9	60.6	33.60	7.60	6.79	
	02	6.6	14.9	58.8	34.30	7.20	6.75	
	03	9.8	14.1	57.4	34.30	6.80	6.68	
	04	13.1	13.8	56.8	34.20	5.20	6.56	
	05	16.4	13.0	55.4	34.50	5.00	6.51	
	06	19.7	12.0	53.6	34.00	4.70	6.51	
	07	23.0	11.7	53.1	34.10	3.80	6.42	

ALLAN HANCOCK FOUNDATION

PHYSICAL DATA SHEET

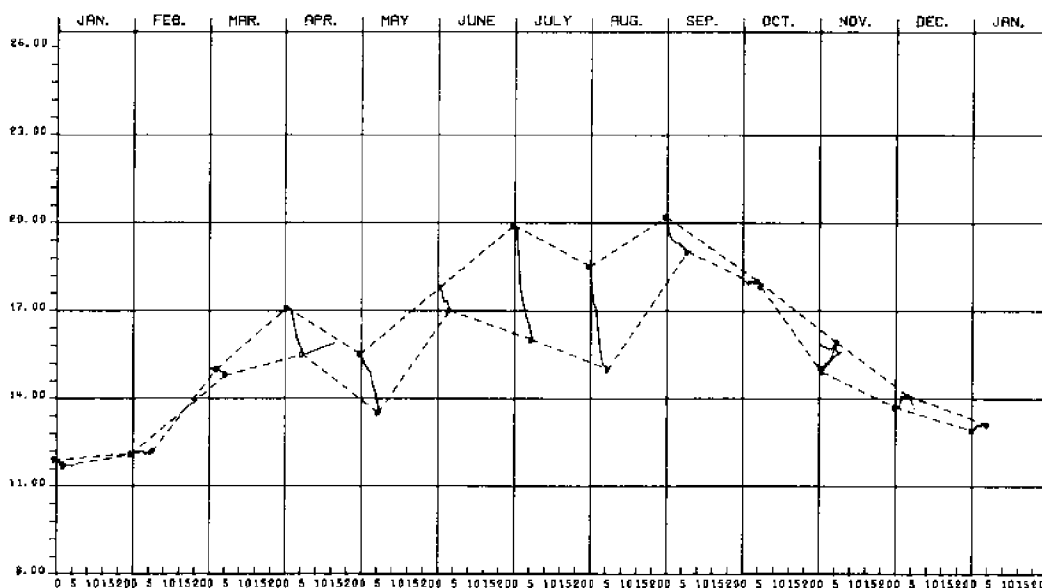
STATION: A3 K2 BUCY		LONGITUDE 118:15:37 W			
LATITUDE 033:43:28 N					
RECORDING	DEPTH -	TEMPERATURE	SALINITY	DIS OXC	PH
DATE	METERS FEET	C F	PPT	PERM	F ION CONC
NOV '73	00 0.0	16.7 62.1	33.20	7.80	8.14
	01 3.3	16.6 61.9	33.30	7.60	8.16
	02 6.6	16.5 61.7	33.36	7.40	8.16
	03 9.8	16.4 61.5	33.30	7.60	8.16
	04 13.1	16.2 61.2	33.30	8.10	8.16
	05 16.4	16.1 61.0	33.40	7.30	8.15
	06 19.7	16.0 60.8	33.35	7.20	8.15

1971 TEMPERATURE DATA
STATION: 04 ENTRANCE TO FISH HARBOR (71-72)
DATA: DEPTH METERS / TEMP CELSIUS

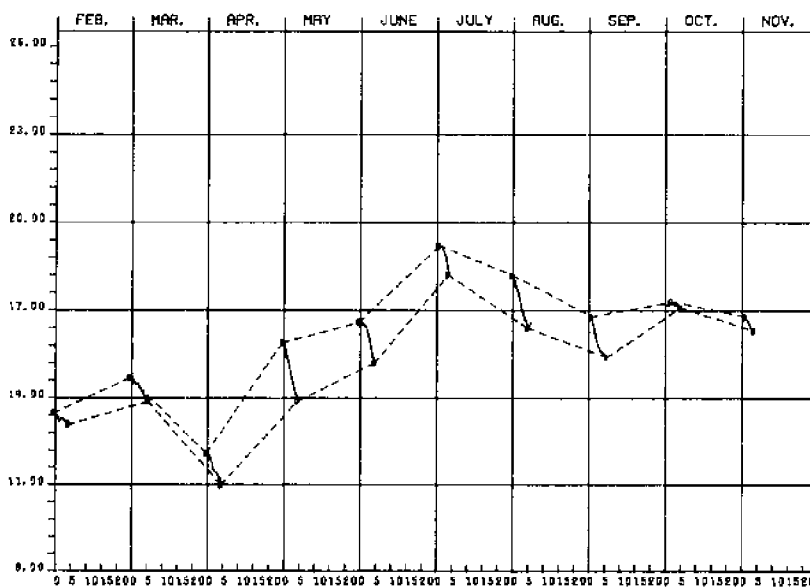


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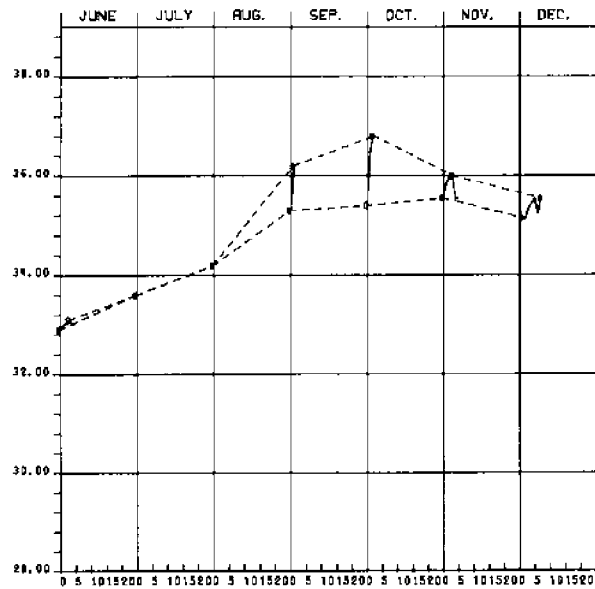
1972 TEMPERATURE DATA
STATION: 04 ENTRANCE TO FISH HARBOR (71-72)
DATA: DEPTH METERS / TEMP CELSIUS



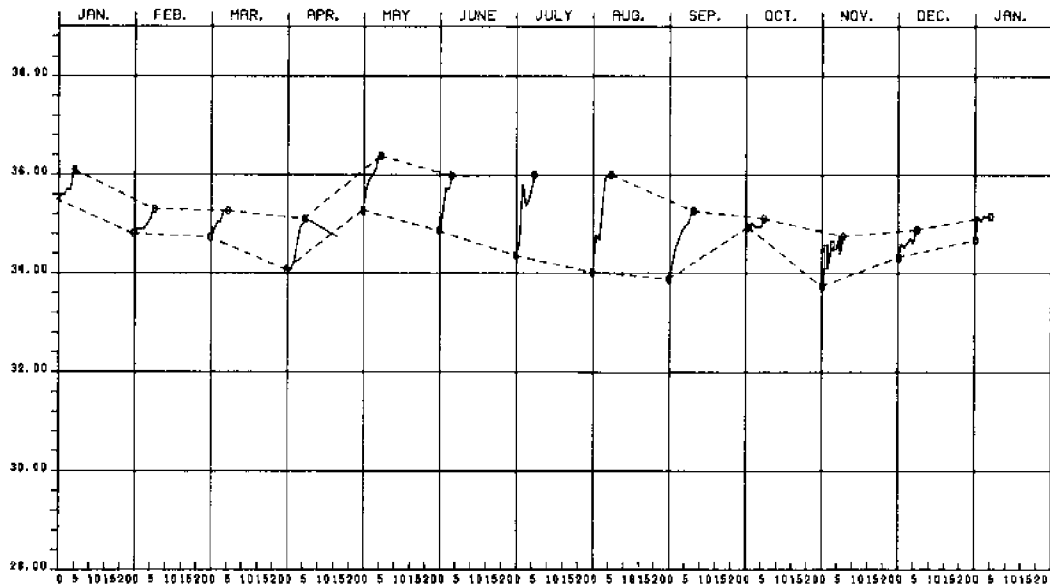
1973 TEMPERATURE DATA
STATION: 04 ENTRANCE TO FISH HARBOR
DATA: DEPTH METERS / TEMP CELSIUS



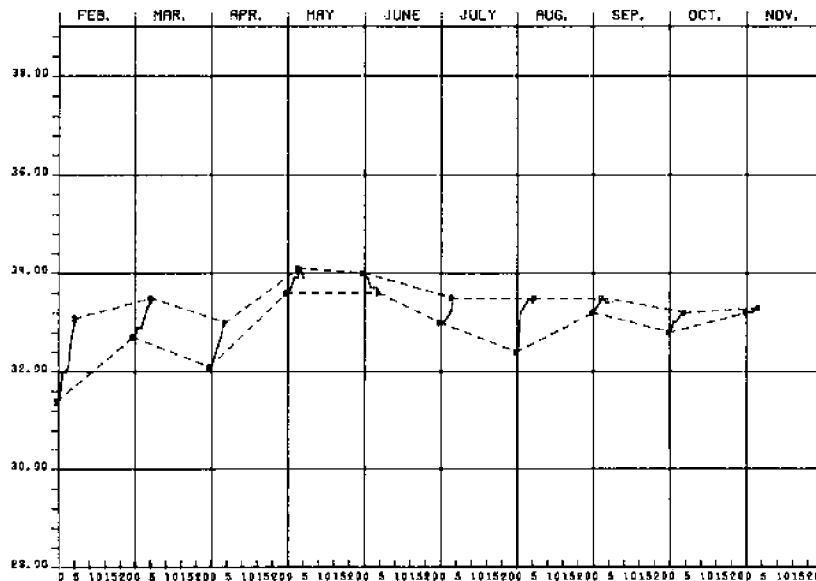
1971 SALINITY DATA
STATION: 04 ENTRANCE TO FISH HARBOR (71-72)
DATA: DEPTH METERS / SAL PPT



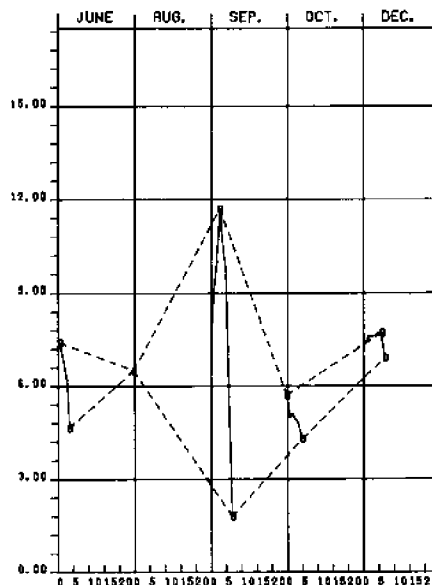
1972 SALINITY DATA
STATION: 04 ENTRANCE TO FISH HARBOR (71-72)
DATA: DEPTH METERS / SAL PPT



1973 SALINITY DATA
STATION: 04 ENTRANCE TO FISH HARBOR
DATA: DEPTH METERS / SAL PPT

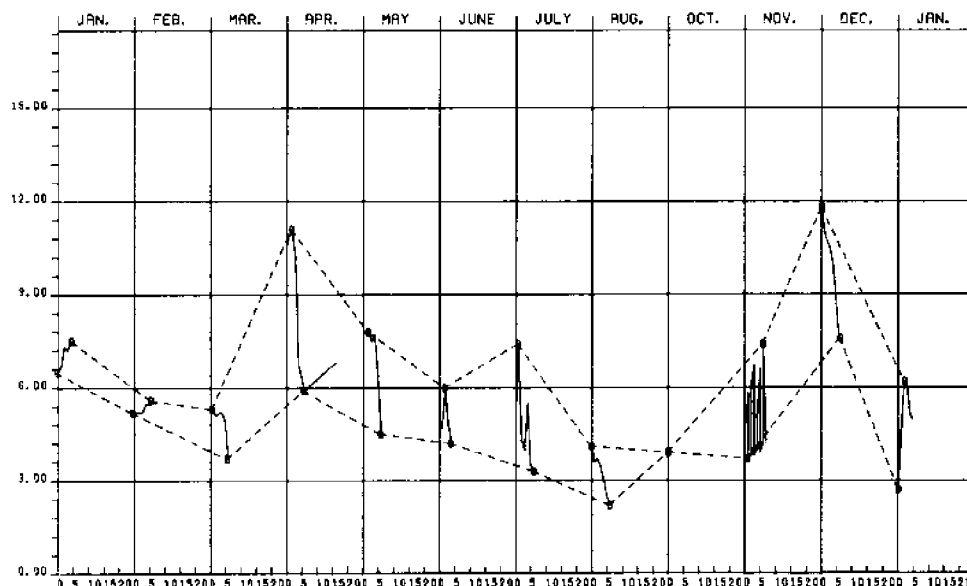


1971 DISSOLVED OXYGEN
 STATION: 04 ENTRANCE TO FISH HARBOR (71-72)
 DATA: DEPTH METERS / DIS OXG PPM

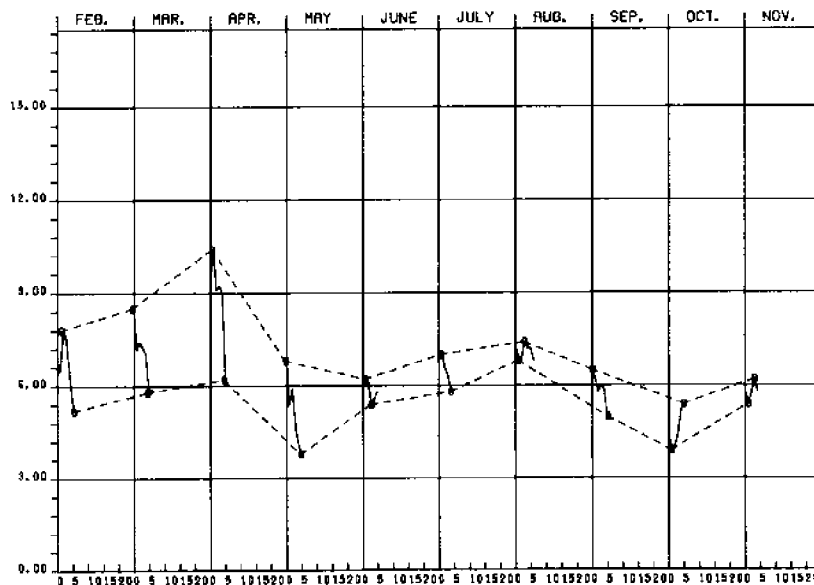


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1972 DISSOLVED OXYGEN
 STATION: 04 ENTRANCE TO FISH HARBOR (71-72)
 DATA: DEPTH METERS / DIS OXG PPM



1973 DISSOLVED OXYGEN
 STATION: 04 ENTRANCE TO FISH HARBOR
 DATA: DEPTH METERS / DIS OXG PPM

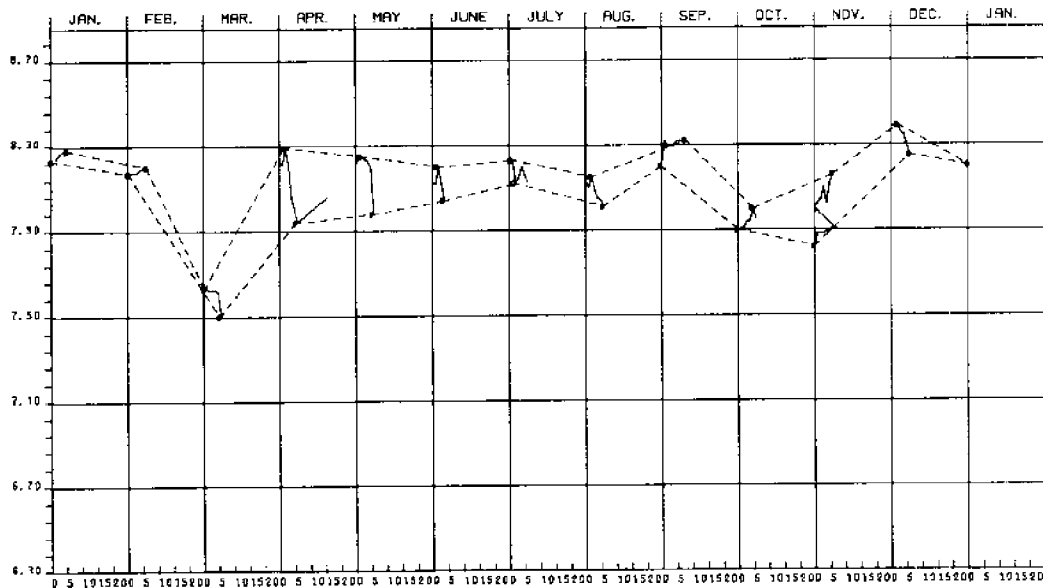


1971 PH DATA
STATION: 01 ENTRANCE TO FISH HARBOR (71-72)
DATA: DEPTH METERS / PH H ION CONC

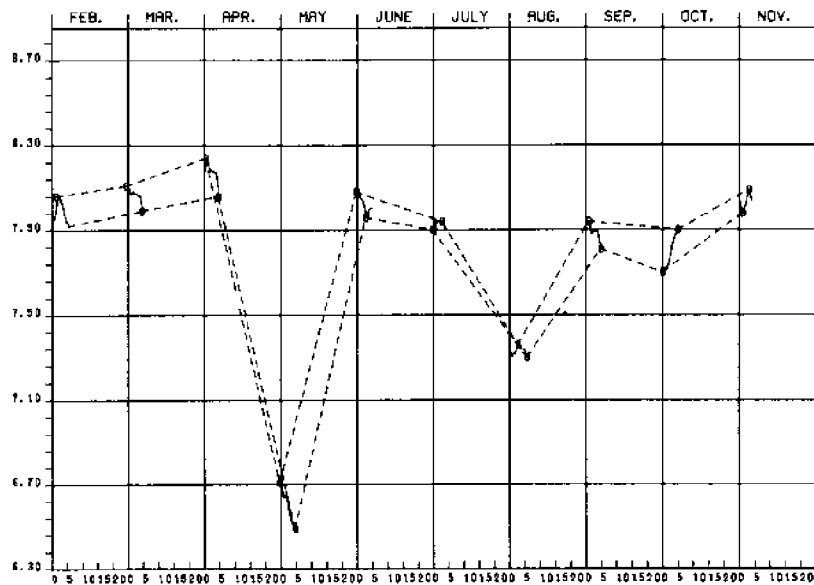


1972 PH DATA

STATION: 04 ENTRANCE TO FISH HARBOR (71-72)
DATA: DEPTH METERS / PH H ION CONC



1973 PH DATA
STATION: 04 ENTRANCE TO FISH HARBOR
DATA: DEPTH METERS / PH H ION CONC



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PHYSICAL DATA REPORT

PHYSICAL DATA REPORT

STATION: 04 ENTRANCE TO FISH HARBOR (71-72)
 LATITUDE 033:43:49 N LONGITUDE 116:15:50 W

STATION: 04 ENTRANCE TO FISH HARBOR (71-72)
 LATITUDE 033:43:49 N LONGITUDE 116:15:50 W

RECORDING DATE	- DEPTH - METERS	TEMPERATURE C	SALINITY PPT	DIS CXG EPM	PH	RECORDING DATE	- DEPTH - METERS	TEMPERATURE C	SALINITY PPT	DIS CXG EPM	PH
JUNE '71	00	0.0	32.90	7.20	8.32	DEC '71	00	0.0	35.33	7.30	7.88
	01	3.3	33.00	7.40	8.32		01	3.3	35.14	7.40	7.88
	03	9.8	33.10	6.22	8.28		02	6.6	35.14	7.60	7.92
	04	13.1	33.00	4.65	8.17		03	9.8	35.35	7.60	7.92
JULY '71	00	0.0	33.60				04	13.1	35.44	7.60	7.91
	00	0.0	33.60				05	16.4	35.54	7.70	7.92
AUG '71	00	0.0	34.1E	6.50			06	19.7	35.2E	7.70	7.93
	01	3.3	34.1E				07	23.0	35.54	6.90	7.89
	02	6.6	34.1E								
	03	9.8	34.1E								
	04	13.1	34.1E								
	05	16.4	34.1E								
	06	19.7	34.1E								
	07	23.0	34.1E								
SEPT '71	00	0.0	35.30	7.40	8.15		00	0.0	35.30	7.40	8.15
	01	3.3	36.20	6.90	8.25		01	3.3	36.20	6.90	8.25
	02	6.6	36.20	10.00	8.27		02	6.6	36.20	10.00	8.27
	03	9.8	36.20	11.70	8.36		03	9.8	36.20	11.70	8.36
	04	13.1	36.20	16.50	8.30		04	13.1	36.20	16.50	8.30
	05	16.4	36.20	5.70	8.23		05	16.4	36.20	5.70	8.23
	06	19.7	36.20	5.10	7.99		06	19.7	36.20	5.10	7.99
	07	23.0	36.20	1.80	7.71		07	23.0	36.20	1.80	7.71
OCT '71	00	0.0	35.40	5.70	8.05		00	0.0	35.40	5.70	8.05
	01	3.3	36.50	5.00	7.99		01	3.3	36.50	5.00	7.99
	02	6.6	36.80	5.10	8.00		02	6.6	36.80	5.10	8.00
	03	9.8	36.80	4.90	8.00		03	9.8	36.80	4.90	8.00
	04	13.1	36.80	4.70	7.98		04	13.1	36.80	4.70	7.98
	05	16.4	36.80	4.30	7.96		05	16.4	36.80	4.30	7.96
NOV '71	00	0.0	35.5E		7.82		00	0.0	35.5E		7.82
	01	3.3	35.8E		7.88		01	3.3	35.8E		7.88
	02	6.6	36.00		8.00		02	6.6	36.00		8.00
	03	9.8	36.00		8.08		03	9.8	36.00		8.08
	04	13.1	36.5E		8.16		04	13.1	36.5E		8.16
	05	16.4	36.5E		8.16		05	16.4	36.5E		8.16

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PHYSICAL DATA REPORT

PHYSICAL DATA REPORT

STATION: 04 ENTRANCE TO FISH HARBOR (71-72)
 LATITUDE 033:43:49 N LONGITUDE 118:15:50 W

STATION: 04 ENTRANCE TO FISH HARBOR (71-72)
 LATITUDE 033:43:49 N LONGITUDE 118:15:50 W

RECORDING DATE	DEPTH - METERS	DEPTH - FEET	TEMPERATURE C	TEMPERATURE F	SALINITY PPT	DIS CXG PPM	PH
JUN 1966							
JAN '72	00	0.0	11.9	53.4	35.50	6.50	8.23
	01	3.3	11.8	53.2	35.60	6.70	8.23
	02	6.6	11.8	53.2	35.60	7.30	8.25
	03	9.8	11.7	53.1	35.70	7.40	8.24
	04	13.1	11.7	53.1	35.70	7.50	8.28
	05	16.4	11.7	53.1	35.10	7.30	8.28
FEB '72	06	19.7	11.7	53.1	36.10	7.50	8.28
	00	0.0	12.1	53.8	34.80	6.20	8.18
	01	3.3	12.2	54.0	34.90	5.20	8.17
	02	6.6	12.2	54.0	34.90	5.20	8.16
	03	9.8	12.2	54.0	34.90	5.30	8.18
	04	13.1	12.1	53.8	35.00	5.50	8.19
MAR '72	05	16.4	12.1	53.8	35.10	5.50	8.20
	06	19.7	12.2	54.0	35.30	5.60	8.20
	07	23.0	12.2	54.0	35.30	5.50	8.20
	00	0.0	15.0	59.0	34.73	5.30	7.62
	01	3.3	15.0	59.0	34.91	5.30	7.63
	02	6.6	15.0	59.0	35.05	5.10	7.62
APR '72	03	9.8	15.0	59.0	35.05	5.20	7.62
	04	13.1	14.9	58.8	35.27	5.20	7.62
	05	16.4	14.9	58.8	35.27	4.90	7.61
	06	19.7	14.6	58.6	35.27	3.70	7.50
	00	0.0	17.1	62.8	34.07	10.50	8.24
	01	3.3	17.1	62.8	34.07	10.90	8.21
MAY '72	02	6.6	17.0	62.6	34.24	11.10	8.25
	03	9.8	16.5	61.7	34.58	10.20	8.22
	04	13.1	16.0	60.8	34.93	6.80	8.05
	06	19.7	15.5	59.9	35.10	5.90	7.94
	10	52.5	15.9	60.6	34.75	6.60	8.06
	00	0.0	15.5	59.9	35.28	7.70	8.21
	01	3.3	15.2	59.4	35.73	7.80	8.24
	02	6.6	15.0	59.0	35.91	7.80	8.25
	03	9.8	14.9	58.8	36.00	7.50	8.24
	04	13.1	14.4	57.9	36.10	7.70	8.23
	05	16.4	14.1	57.4	36.36	6.40	8.19
	06	19.7	13.5	54.3	36.36	4.50	7.98

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ALLAN HANCOCK FOUNDATION

PHYSICAL DATA REPORT

PHYSICAL DATA REPORT

STATION: 04 ENTRANCE TO FISH HARBOR (71-72)
 LATITUDE 033:43:45 N LONGITUDE 118:15:50 W

STATION: A4 ENTRANCE TO FISH HARBOR
 LATITUDE 033:43:45 N LONGITUDE 118:15:50 W

RECORDING - DEPTH - TEMPERATURE SALINITY DIS OXG PH
 DATE METERS FEET C F PPT PER M-ION CONC

RECORDING - DEPTH - TEMPERATURE SALINITY DIS OXG PH
 DATE METERS FEET C F PPT PER M-ION CONC

NOV '72 00 0.0 15.9 60.6 34.46 3.50 7.82
 01 0.0 15.0 59.0 33.74 4.70 8.00
 02 3.3 14.9 58.8 34.09 5.80 8.02
 03 3.3 15.8 60.4 34.57 3.70 7.88
 04 6.6 15.8 60.4 34.57 3.80 7.88
 05 6.6 15.1 59.2 34.10 6.10 8.04
 06 6.6 15.2 59.4 34.47 6.70 8.10
 07 9.8 15.7 60.3 34.66 3.80 7.88
 08 13.1 15.7 60.3 34.66 4.00 7.85
 09 13.1 15.4 59.7 34.47 5.20 8.02
 10 16.4 15.7 60.3 34.50 6.60 8.12
 11 16.4 15.8 60.4 34.57 3.50 7.85
 12 19.7 15.6 60.1 34.75 4.20 7.91
 13 19.7 15.9 60.6 34.35 7.40 8.16
 14 23.0 15.6 60.1 34.75 4.20 7.90
 DEC '72 00 0.0 13.7 56.7 34.32 11.80 8.39
 01 3.3 13.7 56.7 34.60 11.00 8.39
 02 6.6 14.1 57.4 34.52 10.70 8.39
 03 9.8 14.0 57.2 34.61 10.50 8.32
 04 13.1 14.1 57.4 34.71 9.90 8.35
 05 16.4 14.0 57.2 34.61 8.80 8.30
 06 19.7 13.7 56.7 34.86 7.60 8.25
 JAN '73 00 0.0 12.9 55.2 34.67 2.70
 01 3.3 13.0 55.4 35.15 4.70 8.39
 02 6.6 13.1 55.6 35.05 6.20 8.40
 03 9.8 13.1 55.6 35.15 6.10 8.40
 04 13.1 13.1 55.6 35.15 5.10 8.40
 05 16.4 13.1 55.6 35.15 4.90 8.40

FEB '73 00 0.0 13.5 56.3 31.40 6.40 7.94
 01 3.3 13.2 55.8 32.00 6.50 7.96
 02 6.6 13.3 55.9 32.00 7.60 8.06
 03 9.8 13.2 55.8 32.10 7.50 8.04
 04 13.1 13.2 55.8 32.70 6.50 7.92
 05 16.4 13.1 55.6 33.00 5.50 7.94
 06 19.7 13.1 55.6 33.10 5.20 7.92
 MAR '73 00 0.0 14.7 58.5 32.70 8.50 8.11
 01 3.3 14.5 58.1 32.90 7.20 8.07
 02 6.6 14.5 58.1 32.90 7.40 8.08
 03 9.8 14.3 57.7 33.10 7.20 8.07
 04 13.1 14.1 57.4 33.30 7.00 8.06
 05 16.4 14.0 57.2 33.40 5.80 7.99
 06 19.7 13.9 57.0 33.50 5.90 8.00
 APR '73 00 0.0 12.1 53.8 32.10 9.30 8.17
 01 3.3 11.9 53.4 32.30 10.40 8.24
 02 6.6 11.5 52.7 32.50 9.10 8.18
 03 9.8 11.4 52.5 32.70 9.20 8.18
 04 13.1 11.2 52.2 33.00 9.00 8.17
 05 16.4 11.0 51.8 33.00 6.20 8.06
 MAY '73 00 0.0 15.9 60.6 33.60 6.80 6.71
 01 3.3 15.4 59.7 33.70 5.40 6.64
 02 6.6 15.0 59.0 33.90 5.90 6.66
 03 9.8 14.5 58.1 33.90 4.60 6.56
 04 13.1 14.1 57.4 34.10 4.10 6.51
 05 16.4 13.9 57.0 33.90 3.80 6.49
 JUNE '73 00 0.0 16.6 61.9 34.00 6.00 8.08
 01 3.3 16.5 61.7 33.90 6.20 8.05
 02 6.6 16.4 61.5 33.70 6.10 8.03
 03 9.8 16.0 60.8 33.70 5.40 7.96
 04 13.1 15.4 59.7 33.70 5.60 8.00
 05 16.4 15.2 59.4 33.60 5.80 8.00
 JULY '73 00 0.0 19.2 66.6 33.00 6.80 7.90
 01 3.3 19.2 66.6 33.00 7.00 7.94
 02 6.6 19.1 66.4 33.10 6.60 7.94
 03 9.8 18.8 65.8 33.20 6.30 7.94
 04 13.1 18.2 64.6 33.50 5.80 7.91

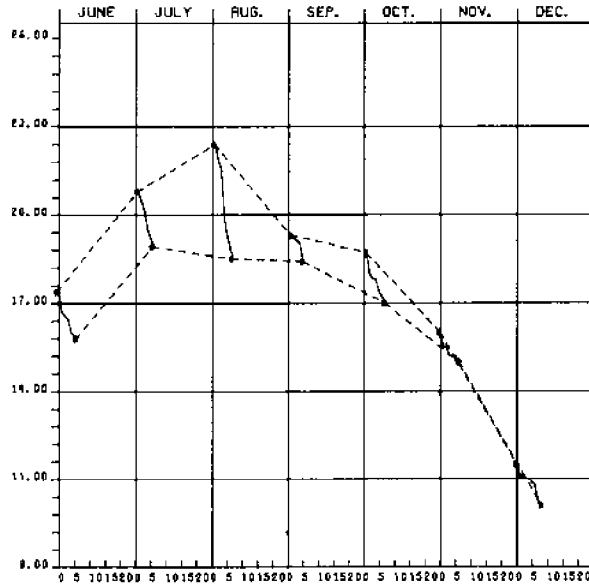
ALLAN HANCOCK FOUNDATION

PHYSICAL DATA REPORT

STATION: A4 ENTRANCE TO FISH HARBOR
 LATITUDE 033:43:45 N LONGITUDE 118:15:50 W

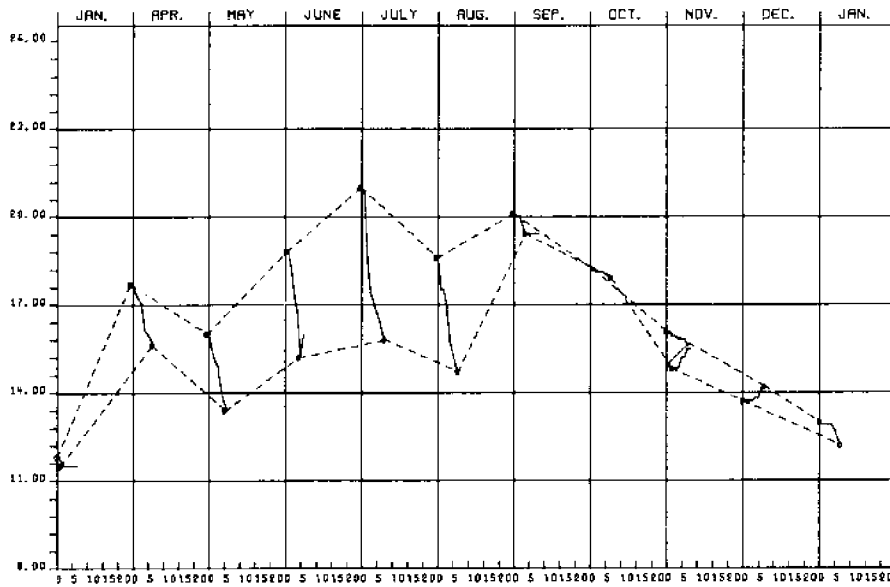
RECORDING DATE	DEPTH - METERS	TEMPERATURE °C	SALINITY PPT	DISTANCE DIS OXG PPM	PH
AUG '73	00	18.2	64.6	32.40	7.30
	01	3.3	17.8	64.0	33.20
	02	6.6	17.5	63.5	33.30
	03	9.8	17.0	62.6	33.40
	04	13.1	16.7	62.1	33.50
	05	16.4	16.4	61.5	33.40
	06	19.7	16.6	61.9	33.50
SEPT '73	00	16.7	62.1	33.20	6.50
	01	3.3	16.8	62.2	33.30
	02	6.6	16.2	61.2	33.40
	03	9.8	15.8	60.4	33.50
	04	13.1	15.6	60.1	33.40
	05	16.4	15.5	59.9	33.40
	06	19.7	15.4	59.7	33.40
OCT '73	00	17.2	63.0	32.80	4.40
	01	3.3	17.2	63.0	33.00
	02	6.6	17.3	63.1	33.00
	03	9.8	17.2	63.0	33.10
	04	13.1	17.2	63.0	33.20
	05	16.4	17.1	62.8	33.20
NOV '73	00	16.6	61.9	33.20	5.20
	01	3.3	16.8	62.2	33.20
	02	6.6	16.6	61.9	33.20
	03	9.8	16.4	61.5	33.30
	04	13.1	16.3	61.3	33.30

1971 TEMPERATURE DATA
 STATION: 05 OUTER FISH HARBOR (71-72)
 DATA: DEPTH METERS / TEMP CELSIUS

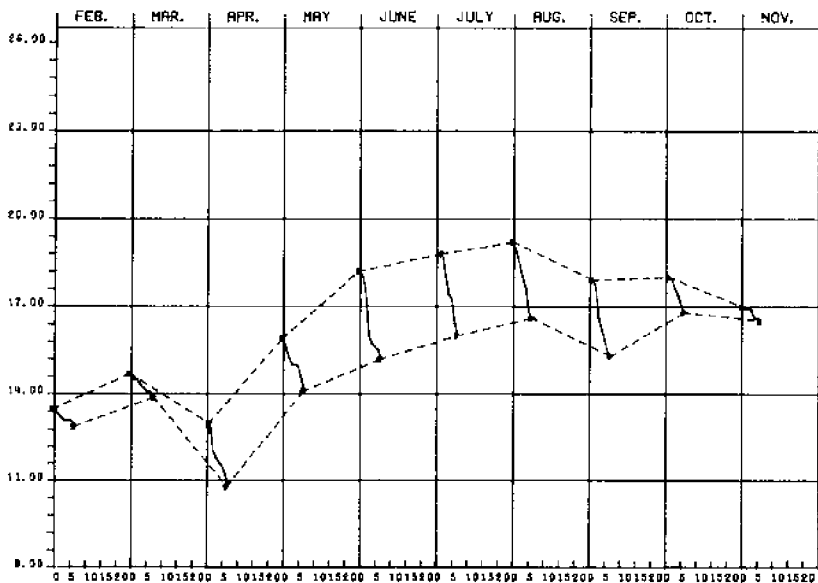


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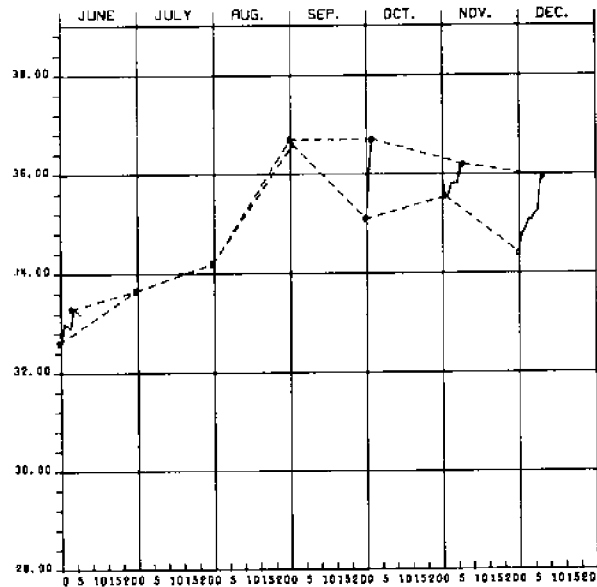
1972 TEMPERATURE DATA
 STATION: 05 OUTER FISH HARBOR (71-72)
 DATA: DEPTH METERS / TEMP CELSIUS



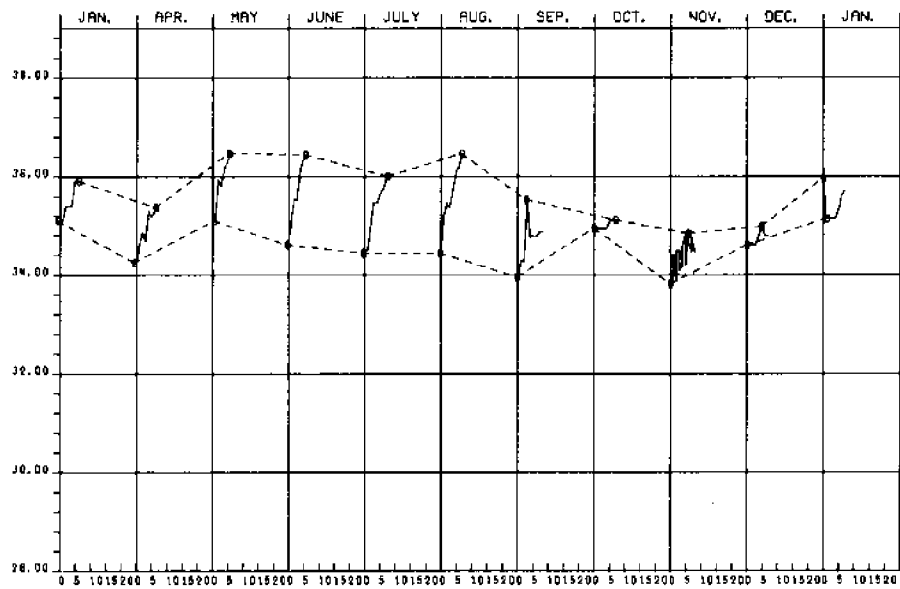
1973 TEMPERATURE DATA
 STATION: A5 OUTER FISH HARBOR
 DATA: DEPTH METERS / TEMP CELSIUS



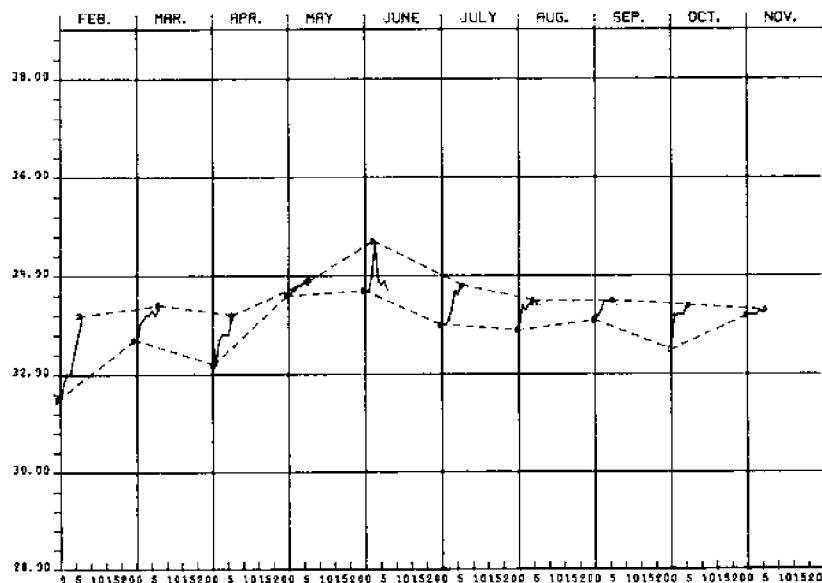
1971 SALINITY DATA
STATION: 05 OUTER FISH HARBOR (71-72)
DATA: DEPTH METERS / SAL PPT



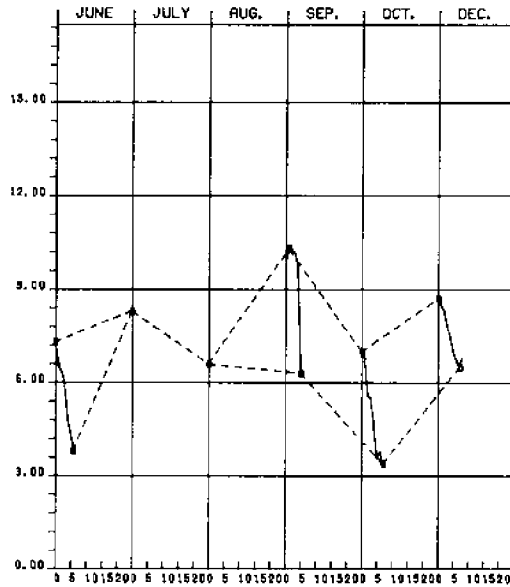
1972 SALINITY DATA
STATION: 05 OUTER FISH HARBOR (71-72)
DATA: DEPTH METERS / SAL PPT



1973 SALINITY DATA
STATION: 05 OUTER FISH HARBOR
DATA: DEPTH METERS / SAL PPT

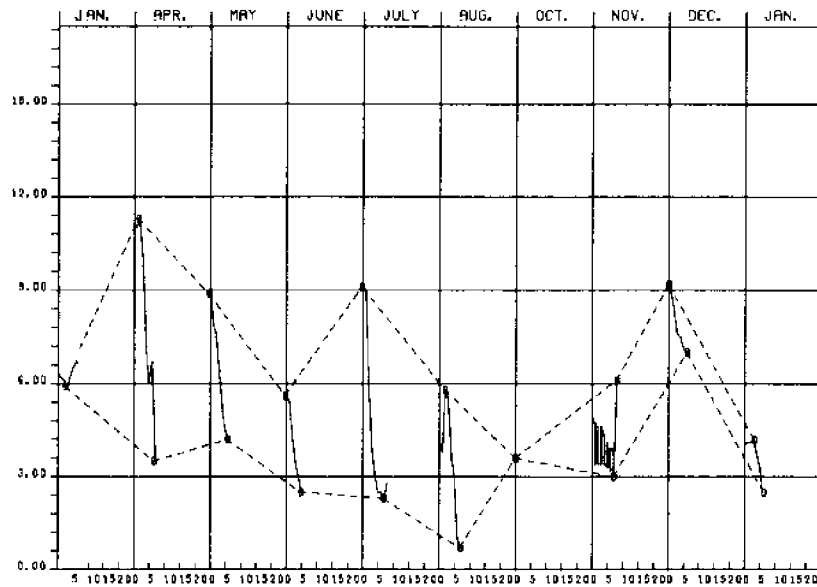


1971 DISSOLVED OXYGEN
STATION: 05 OUTER FISH HARBOR (71-72)
DATA: DEPTH METERS / DIS OXG PPM

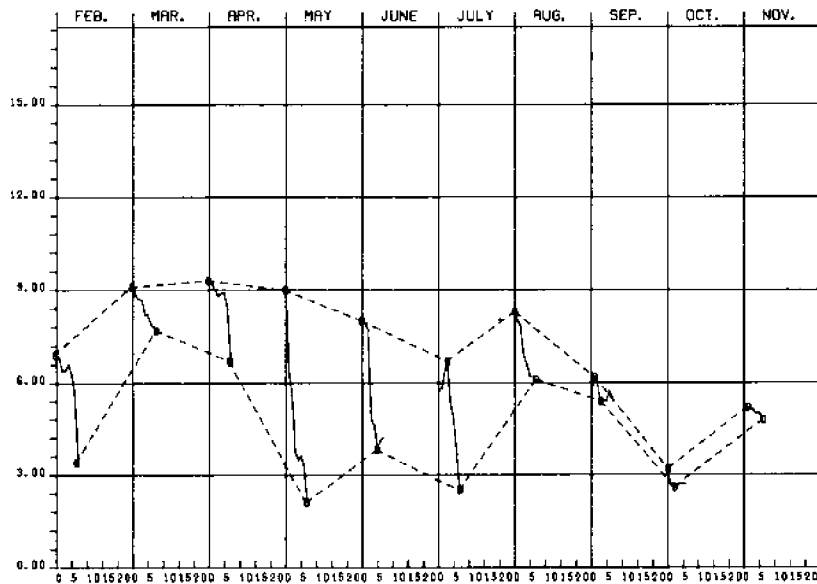


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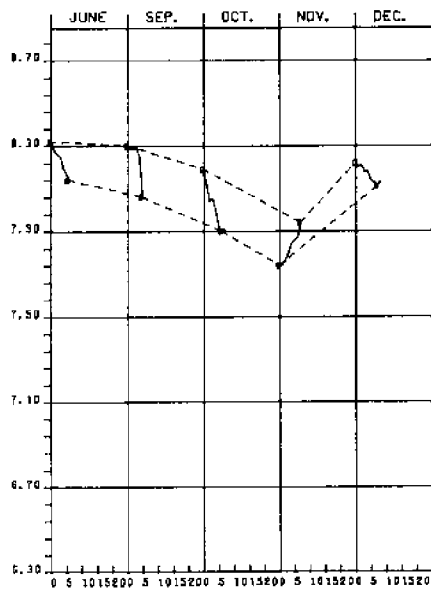
1972 DISSOLVED OXYGEN
STATION: 05 OUTER FISH HARBOR (71-72)
DATA: DEPTH METERS / DIS OXG PPM



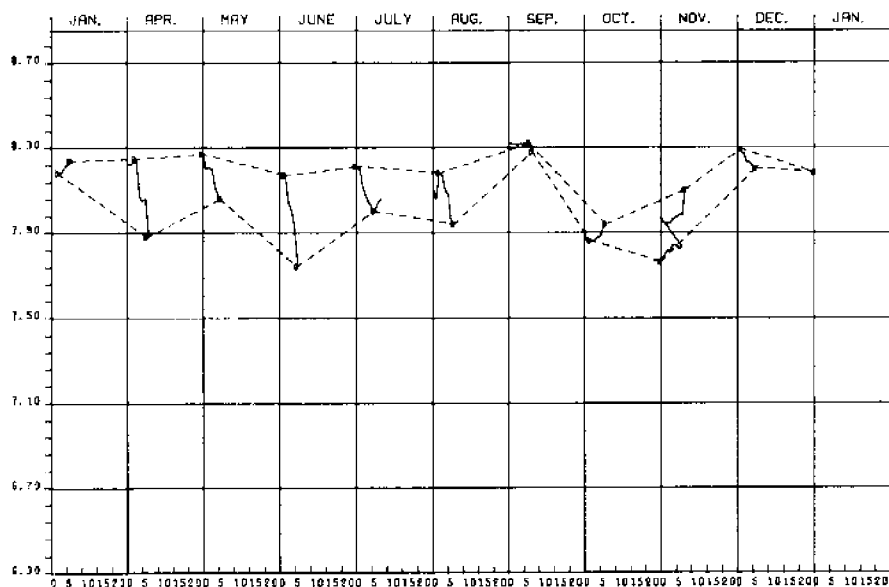
1973 DISSOLVED OXYGEN
STATION: A5 OUTER FISH HARBOR
DATA: DEPTH METERS / DIS OXG PPM



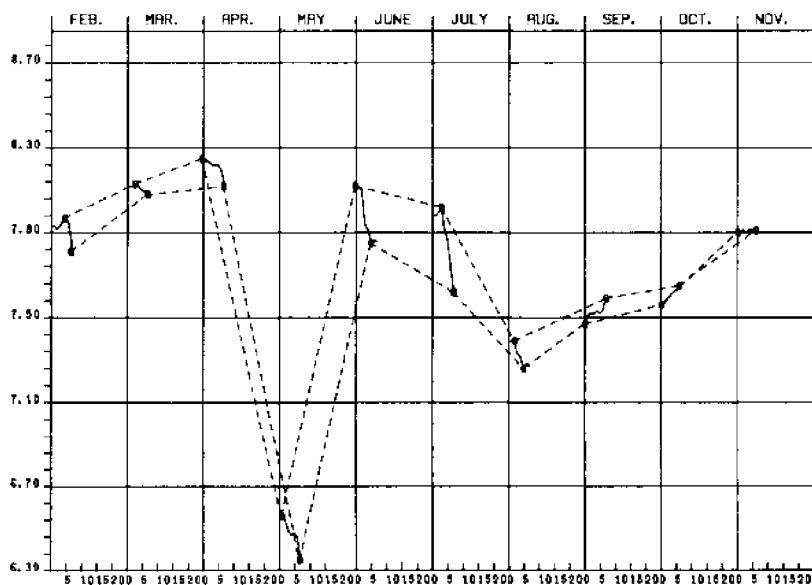
1971 PH DATA
STATION: 05 OUTER FISH HARBOR (71-72)
DATA: DEPTH METERS / PH H ION CONC



1972 PH DATA
STATION: 05 OUTER FISH HARBOR (71-72)
DATA: DEPTH METERS / PH H ION CONC



1973 PH DATA
STATION: A5 OUTER FISH HARBOR
DATA: DEPTH METERS / PH H ION CONC



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PHYSICAL DATA REPORT

PHYSICAL DATA REPORT

STATION: 05 OUTER FISH HARBOR (71-72) 116:15:56 W
 LATITUDE 033:43:57 N LONGITUDE

STATION: 05 OUTER FISH HARBOR (71-72) 116:15:56 W
 LATITUDE 033:43:57 N LONGITUDE

RECORDING DATE	- DEPTH - METERS	TEMPERATURE F	SALINITY PPT	DIS OXG PPM	PH
JUNE '71	00	63.3	32.60	7.30	8.32
	01	62.1	33.00	6.60	8.28
	03	61.5	32.90	6.00	8.25
	04	60.8	33.30	4.90	8.20
	06	60.4	33.20	3.60	8.14
JULY '71	00	65.4	33.66	6.30	
	01	65.4			
	03	64.2			
	04	67.1			
	06	66.0			
AUG '71	00	72.1	34.20	6.60	
	01	72.3			
	02	71.4			
	03	70.7			
	04	68.0			
	05	66.7			
	06	65.8			
	07	65.3			
SEPT '71	00	66.0	36.70	5.80	8.30
	01	66.7	36.60	10.30	8.29
	02	66.6		10.20	8.25
	03	66.4		10.20	8.29
	04	66.2		5.70	8.25
	05	65.1		6.30	8.06
OCT '71	00	65.5	35.10	7.00	8.19
	01	65.7	36.10	6.80	8.12
	02	64.4	36.70	5.60	8.04
	03	64.0		5.50	8.05
	04	64.0		4.70	8.00
	05	63.3		3.60	7.92
	06	63.0		3.80	7.90
	07	62.6		3.60	7.91

RECORDING DATE	- DEPTH - METERS	FEET	TEMPERATURE C	F	SALINITY PPT	DIS OXG PPM	PH	ION CONC
NOV '71	00	0.0	16.0	60.8	36.00		7.74	
	01	3.3	15.5	59.9	35.55		7.74	
	02	6.6	15.5	59.9	35.55		7.76	
	03	9.8	15.2	59.4	35.82		7.80	
	04	13.1	15.2	59.4	35.82		7.84	
	05	16.4	15.2	59.4	35.82		4.86	
	06	19.7	15.0	59.0	36.15		7.87	
07	23.0	15.0	59.0	36.19		7.94		
DEC '71	00	0.0	11.5	52.7	34.41	8.70	8.22	
	01	3.3	11.1	52.0	34.76	8.50	8.20	
	02	6.6	11.1	52.0	34.88	8.30	8.21	
	03	9.8	11.0	51.8	35.07	7.80	8.18	
	04	13.1	11.0	51.8	35.07	7.50	8.18	
	05	16.4	10.9	51.6	35.17	7.00	8.14	
	06	19.7	10.8	51.4	35.26	6.70	8.13	
	07	23.0	10.2	50.4	35.84	6.50	8.11	
08	26.2	10.1	50.2	35.94	6.80	8.13		

ALLAN HANCOCK FOUNDATION

PHYSICAL DATA REPORT

STATION: 05 OUTER FISH HARBOR (71-72)
 LATITUDE 033:43:57 N LONGITUDE 118:15:56 W

RECORDING DATE	- DEPTH - METERS	TEMPERATURE C	SALINITY PPT	DIS OXG PPM	PH
JAN '72	00	0.0	35.10	6.30	8.20
	01	3.3	35.10	6.20	8.20
	02	6.6	35.40	6.10	8.19
	03	9.8	35.40	5.90	8.18
	04	13.1	35.40	6.20	8.20
	05	16.4	35.90	6.50	8.22
	06	19.7	35.90	6.70	8.23
	07	23.0	35.90	6.60	8.24
APR '72	00	0.0	34.25	11.10	8.22
	01	3.3	34.60	11.00	8.22
	02	6.6	34.85	11.30	8.23
	03	9.8	34.68	9.90	8.25
	04	13.1	35.28	7.20	8.07
	05	16.4	35.15	6.00	8.05
	06	19.7	35.26	6.70	8.06
	07	23.0	35.37	3.50	7.88
MAY '72	00	0.0	35.20	8.90	8.27
	01	3.3	35.10	7.90	8.20
	02	6.6	35.91	7.60	8.21
	03	9.8	35.82	6.40	8.20
	04	13.1	36.16	5.10	8.11
	05	16.4	36.29	4.50	8.08
	06	19.7	36.47	4.20	8.06
JUNE '72	00	0.0	34.61	5.60	8.16
	01	3.3	35.11	5.40	8.16
	02	6.6	35.53	4.40	8.17
	03	9.8	35.54	3.50	8.04
	04	13.1	36.16	3.00	8.00
	05	16.4	36.35	2.50	7.91
	06	19.7	36.44	0.0	7.74

ALLAN HANCOCK FOUNDATION

PHYSICAL DATA REPORT

STATION: 05 OUTER FISH HARBOR (71-72)
 LATITUDE 033:43:57 N LONGITUDE 118:15:56 W

RECORDING DATE	- DEPTH - METERS	TEMPERATURE C	SALINITY PPT	DIS OXG PPM	PH
JULY '72	00	0.0	34.44	5.10	8.21
	01	3.3	34.52	6.90	8.20
	02	6.6	35.03	6.20	8.12
	03	9.8	35.46	4.10	8.08
	04	13.1	35.46	3.10	8.04
	05	16.4	35.64	2.50	8.02
	06	19.7	35.73	2.50	8.00
	07	23.0	35.51	2.30	8.04
	08	26.2	36.00	2.80	8.06
AUG '72	00	0.0	34.44	4.20	8.11
	01	3.3	35.20	3.80	8.06
	02	6.6	35.42	5.80	8.18
	03	9.8	35.37	5.50	8.17
	04	13.1	35.73	3.60	8.10
	05	16.4	36.09	3.00	8.08
	06	19.7	36.15	1.00	7.95
	07	23.0	36.46	0.70	7.94
SEPT '72	00	0.0	33.96		8.32
	01	3.3	34.28		8.32
	02	6.6	34.28		8.32
	03	9.8	35.53		8.31
	04	13.1	34.77		8.32
	05	16.4	34.77		8.32
	06	19.7	34.77		8.32
	07	23.0	34.86		8.32
	08	26.2	34.86		8.28
OCT '72	00	0.0	34.94	3.60	7.88
	01	3.3	34.94		7.87
	02	6.6	34.94		7.86
	03	9.8	34.94		7.86
	04	13.1	34.94		7.87
	05	16.4	35.11		7.88
	06	19.7	35.11		7.92
	07	23.0	35.11		7.94

ALLAN HANCOCK FOUNDATION

PHYSICAL DATA REPORT

STATION: 05 OUTER FISH HARBOR (71-72)
 LATITUDE 033:43:57 N LONGITUDE 118:15:56 W

RECORDING DATE	- DEPTH - METERS	TEMPERATURE C	SALINITY PPT	DIS CXG PPM	PH
DATE	FEET	F	PPT	PPM	PH
NOV '72	00	16.1	34.58	3.40	7.76
	01	14.9	33.82	4.50	7.97
	02	13.7	33.82	4.70	7.95
	03	12.5	34.40	3.40	7.78
	04	11.3	33.91	4.60	7.94
	05	10.1	34.48	3.40	7.81
	06	8.9	34.46	3.40	7.81
	07	7.7	34.09	4.60	7.94
	08	6.5	34.18	4.30	7.96
	09	5.3	34.57	3.40	7.84
	10	4.1	34.84	3.30	7.84
	11	2.9	34.20	4.10	7.97
	12	1.7	34.84	3.20	7.82
	13	0.5	34.65	3.90	7.98
	14	0.3	34.47	3.90	7.98
	15	0.1	34.75	3.00	7.83
	16	0.0	34.47	6.10	8.10
DEC '72	00	13.7	34.60	9.20	8.25
	01	12.5	34.60	8.90	8.29
	02	11.3	34.60	8.30	8.27
	03	10.1	34.60	7.60	8.23
	04	8.9	34.75	7.50	8.23
	05	7.7	34.98	7.10	8.21
	06	6.5	34.80	7.00	8.20
	07	5.3	34.80	7.00	8.21
JAN '73	00	13.0	35.96	4.00	8.25
	01	11.8	35.14	4.10	8.29
	02	10.6	35.14	4.10	8.27
	03	9.4	35.14	4.20	8.23
	04	8.2	35.14	3.60	8.23
	05	7.0	35.33	3.20	8.21
	06	5.8	35.61	2.50	8.20
	07	4.6	35.70	0.0	8.21

ALLAN HANCOCK FOUNDATION

PHYSICAL DATA REPORT

STATION: AS OUTER FISH HARBOR
 LATITUDE 033:43:57 N LONGITUDE 118:15:56 W

RECORDING DATE	- DEPTH - METERS	TEMPERATURE C	SALINITY PPT	DIS CXG PPM	PH
DATE	FEET	F	PPT	PPM	PH
FEB '73	00	13.5	31.50	6.50	7.93
	01	12.3	31.80	6.80	7.93
	02	11.1	32.00	6.40	7.92
	03	9.9	32.00	6.40	7.93
	04	8.7	32.30	6.60	7.96
	05	7.5	32.60	6.30	7.97
	06	6.3	32.90	5.70	7.94
	07	5.1	33.20	3.40	7.81
MAR '73	00	14.7	32.70	9.10	8.12
	01	13.5	33.00	8.80	8.12
	02	12.3	33.10	8.70	8.12
	03	11.1	33.20	8.70	8.13
	04	9.9	33.20	8.20	8.11
	05	8.7	33.30	8.20	8.10
	06	7.5	33.20	7.90	8.09
	07	6.3	33.30	7.60	8.08
	08	5.1	33.40	7.70	8.08
APR '73	00	12.4	32.60	9.30	8.25
	01	11.2	32.20	9.20	8.24
	02	10.0	32.70	9.00	8.23
	03	8.8	32.80	6.80	8.22
	04	7.6	32.80	8.90	8.22
	05	6.4	32.80	8.90	8.22
	06	5.2	33.10	8.40	8.19
	07	4.0	33.20	6.70	8.12
MAY '73	00	15.9	33.60	9.00	8.56
	01	14.7	33.70	6.30	8.56
	02	13.5	33.70	5.70	8.54
	03	12.3	33.80	3.80	8.49
	04	11.1	33.80	3.50	8.47
	05	9.9	33.90	3.60	8.48
	06	8.7	33.80	3.30	8.46
	07	7.5	33.90	2.10	8.35

ALLAN HANCOCK FOUNDATION

PHYSICAL DATA REPORT

STATION: AS OUTER FISH HARBOR
 LATITUDE 033:43:57 N LONGITUDE 118:15:56 W

RECORDING DATE	DEPTH - METERS	DEPTH - FEET	TEMPERATURE C	TEMPERATURE F	SALINITY PPT	DIST CXC	DIS CXC PPM	PH	FLCN CONC
JUNE '73	00	0.0	18.2	64.8	33.70	6.00	6.00	8.12	
	01	3.3	18.0	64.4	33.70	7.50	7.50	8.11	
	02	6.6	17.5	63.5	34.00	7.70	7.70	8.10	
	03	9.9	16.0	60.8	34.70	4.80	4.80	7.94	
	04	13.1	15.7	60.3	33.50	4.60	4.60	7.91	
	05	16.4	15.6	60.1	33.80	3.80	3.80	7.85	
	06	19.7	15.5	59.9	33.90	4.10	4.10	7.86	
JULY '73	07	23.0	15.2	59.4	33.70	4.20	4.20	7.86	
	00	0.0	18.8	65.8	33.00	5.70	5.70	7.98	
	01	3.3	18.8	65.8	33.00	5.80	5.80	7.98	
	02	6.6	18.4	65.8	33.10	6.30	6.30	8.00	
	03	9.9	16.0	64.4	33.30	6.70	6.70	8.02	
	04	13.1	17.4	63.3	33.70	5.20	5.20	7.91	
	05	16.4	17.2	63.0	33.60	4.80	4.80	7.86	
AUG '73	06	19.7	16.4	61.5	33.80	2.70	2.70	7.75	
	07	23.0	16.0	60.8	33.80	2.50	2.50	7.62	
	00	0.0	19.2	66.6	32.90	8.30	8.30	7.39	
	01	3.3	18.8	65.8	33.40	8.00	8.00	7.35	
	02	6.6	18.4	65.1	33.30	7.80	7.80	7.39	
	03	9.9	18.0	64.4	33.40	6.90	6.90	7.33	
	04	13.1	17.0	63.7	33.40	6.60	6.60	7.32	
SEPT '73	05	16.4	16.8	62.2	33.50	6.20	6.20	7.26	
	06	19.7	16.6	61.9	33.40	6.20	6.20	7.28	
	07	23.0	16.6	61.9	33.40	6.10	6.10	7.27	
	00	0.0	17.9	64.2	33.10	5.60	5.60	7.47	
	01	3.3	17.9	64.2	33.20	6.20	6.20	7.51	
	02	6.6	17.6	63.7	33.30	5.00	5.00	7.52	
	03	9.9	16.6	61.9	33.50	5.40	5.40	7.52	
	04	13.1	16.2	61.2	33.50	5.40	5.40	7.53	
	05	16.4	15.8	60.4	33.50	5.40	5.40	7.52	
	06	19.7	15.4	59.7	33.50	5.70	5.70	7.54	
	07	23.0	15.3	59.5	33.40	5.50	5.50	7.59	

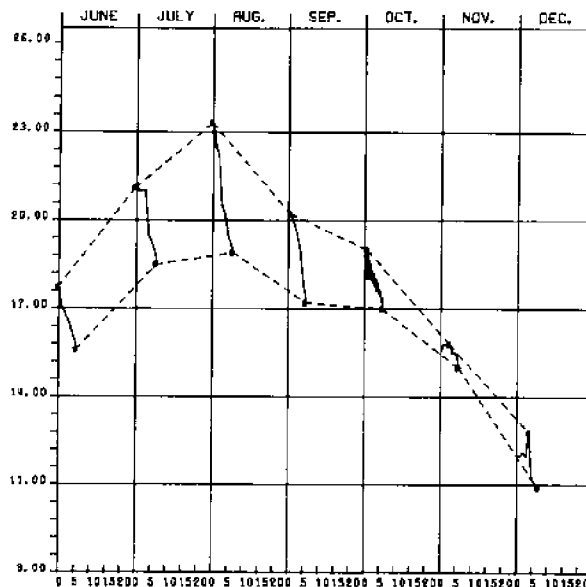
ALLAN HANCOCK FOUNDATION

PHYSICAL DATA REPORT

STATION: AS OUTER FISH HARBOR
 LATITUDE 033:43:57 N LONGITUDE 118:15:56 W

RECORDING DATE	DEPTH - METERS	DEPTH - FEET	TEMPERATURE C	TEMPERATURE F	SALINITY PPT	DIST CXC	DIS CXC PPM	PH	FLCN CONC
OCT '73	00	0.0	18.0	64.4	32.50	3.20	3.20	7.56	
	01	3.3	18.0	64.4	33.20	2.70	2.70	7.56	
	02	6.6	17.9	64.2	33.20	2.60	2.60	7.59	
	03	9.9	17.6	63.7	33.20	2.60	2.60	7.60	
	04	13.1	17.4	63.3	33.20	2.70	2.70	7.62	
	05	16.4	17.0	62.6	33.40	2.70	2.70	7.63	
	06	19.7	16.8	62.2	33.40	2.70	2.70	7.65	
NOV '73	00	0.0	17.0	62.6	33.20	5.00	5.00	7.50	
	01	3.3	16.9	62.4	33.20	5.20	5.20	7.50	
	02	6.6	16.9	62.4	33.20	5.10	5.10	7.91	
	03	9.9	16.9	62.4	33.20	5.10	5.10	7.90	
	04	13.1	16.6	61.9	33.30	5.00	5.00	7.91	
	05	16.4	16.6	61.9	33.25	5.00	5.00	7.91	
	06	19.7	16.5	61.7	33.30	4.80	4.80	7.91	

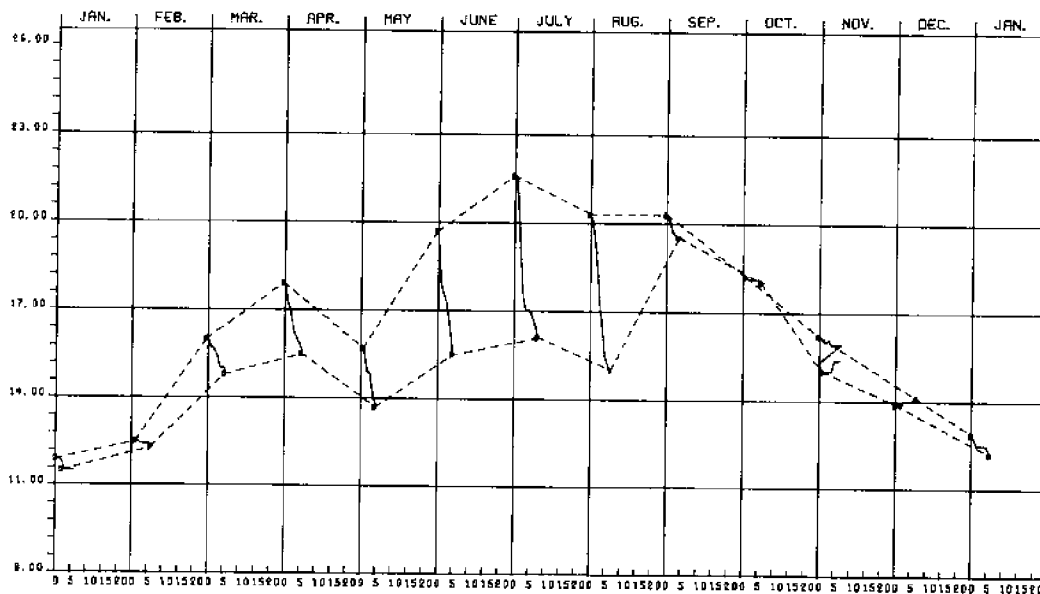
1971 TEMPERATURE DATA
 STATION: 06 INNER FISH HARBOR (71-72)
 DATA: DEPTH METERS / TEMP CELSIUS



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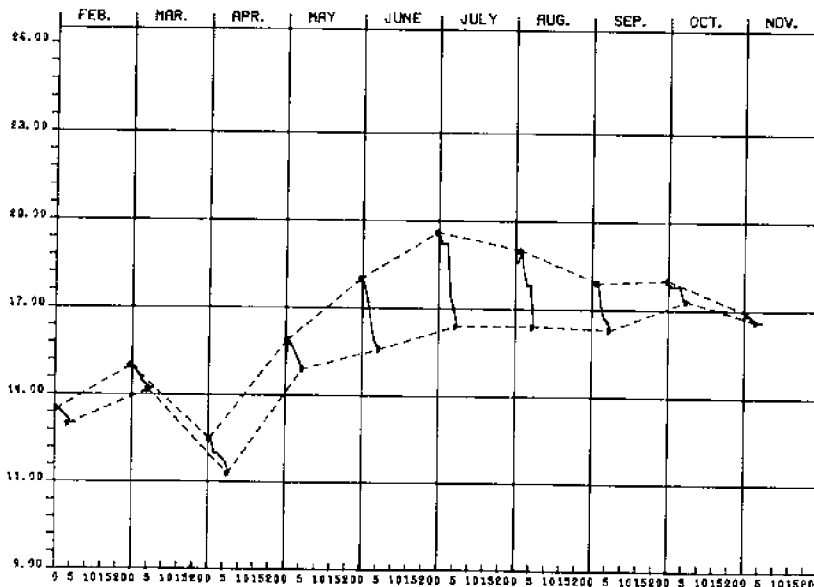
STATION: 06 INNER FISH HARBOR (71-72)
 DATA: DEPTH METERS / TEMP CELSIUS

1972 TEMPERATURE DATA

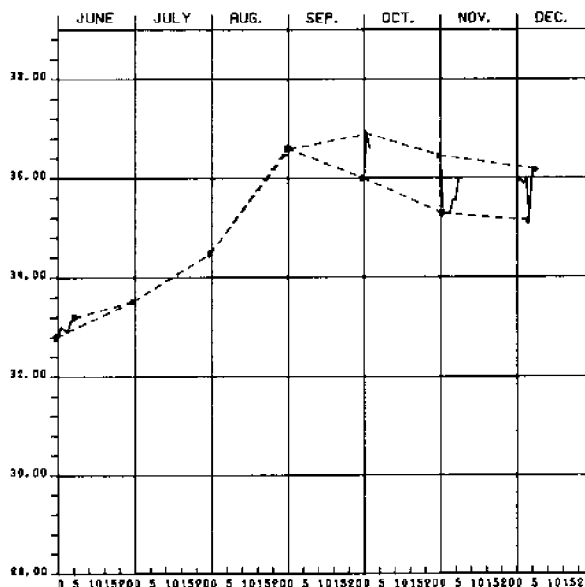


STATION: A6 INNER FISH HARBOR
 DATA: DEPTH METERS / TEMP CELSIUS

1973 TEMPERATURE DATA

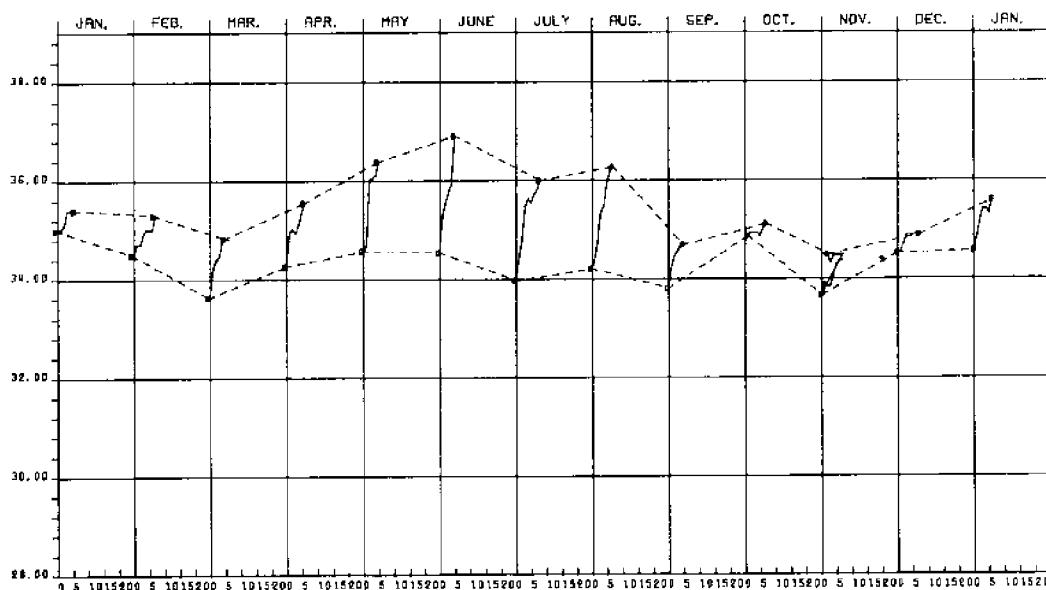


1971 SALINITY DATA
 STATION: 05 INNER FISH HARBOR (71-72)
 DATA: DEPTH METERS / SAL PPT



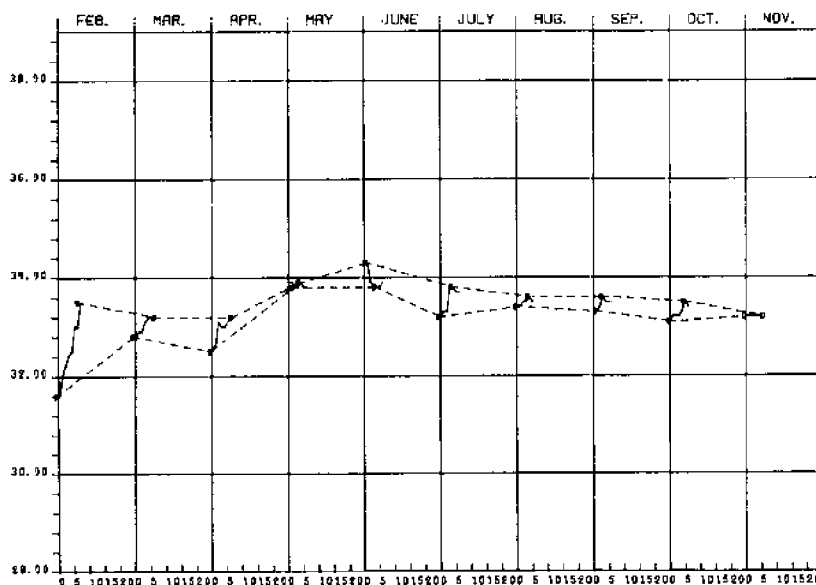
1972 SALINITY DATA

STATION: 05 INNER FISH HARBOR (71-72)
 DATA: DEPTH METERS / SAL PPT

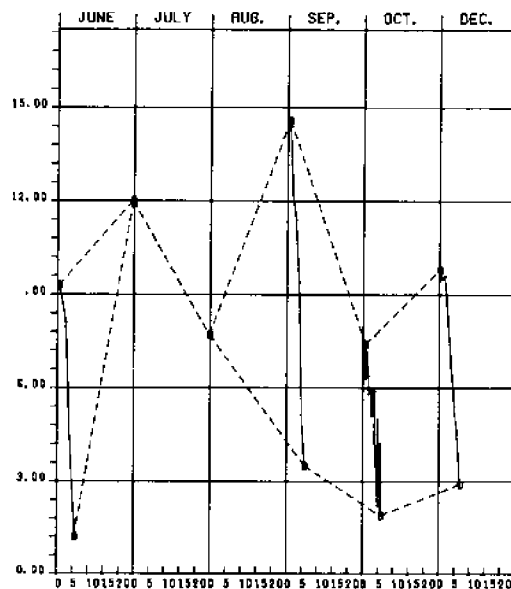


1973 SALINITY DATA

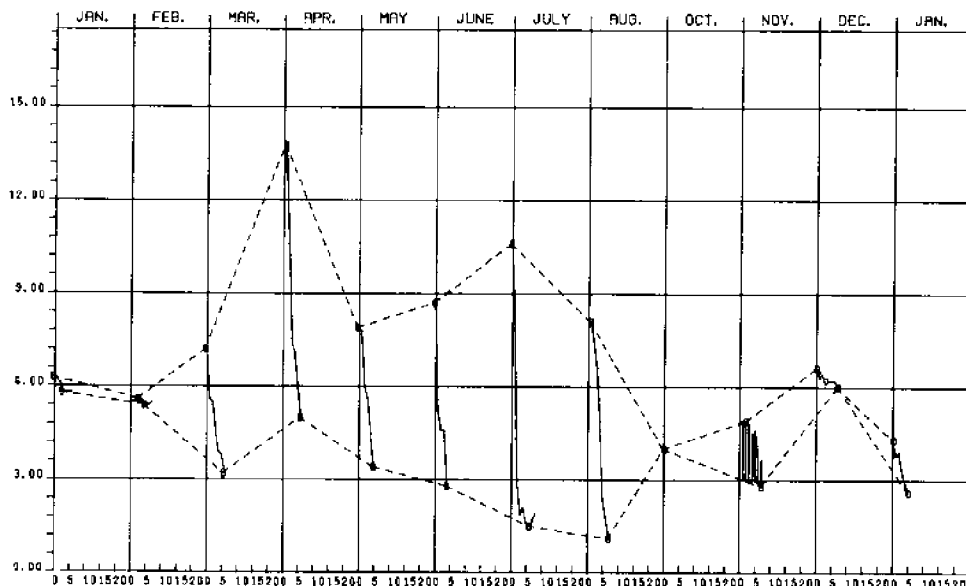
STATION: A6 INNER FISH HARBOR
 DATA: DEPTH METERS / SAL PPT



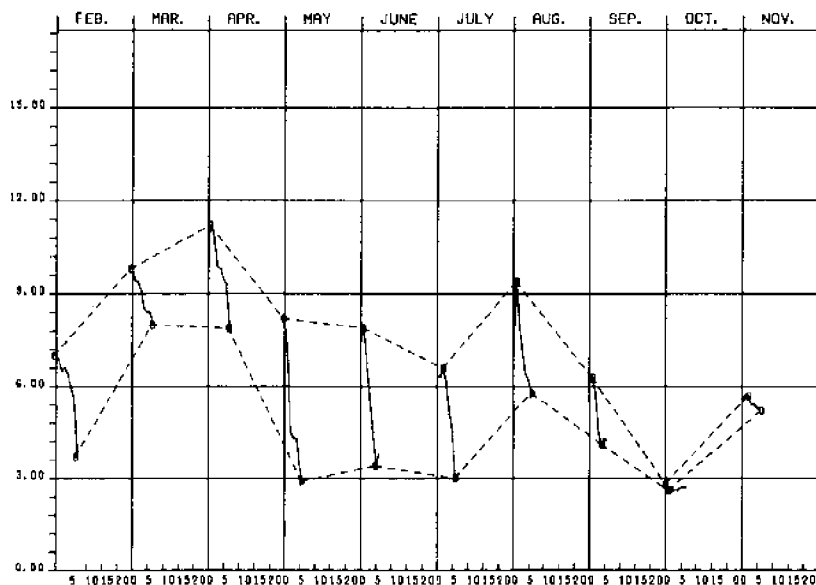
1971 DISSOLVED OXYGEN
STATION: 06 INNER FISH HARBOR (71-72)
DATA: DEPTH METERS / DIS OXG PPM



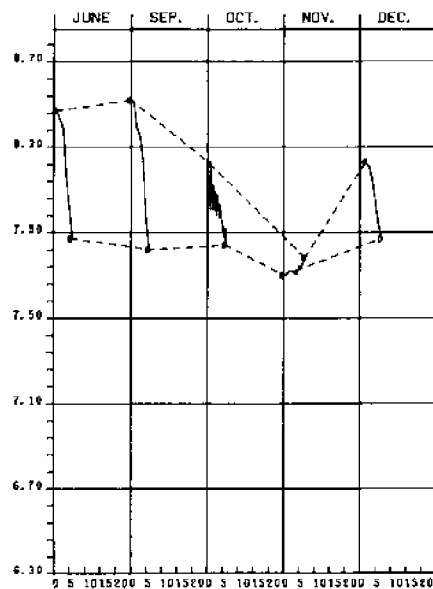
1972 DISSOLVED OXYGEN
STATION: 06 INNER FISH HARBOR (71-72)
DATA: DEPTH METERS / DIS OXG PPM



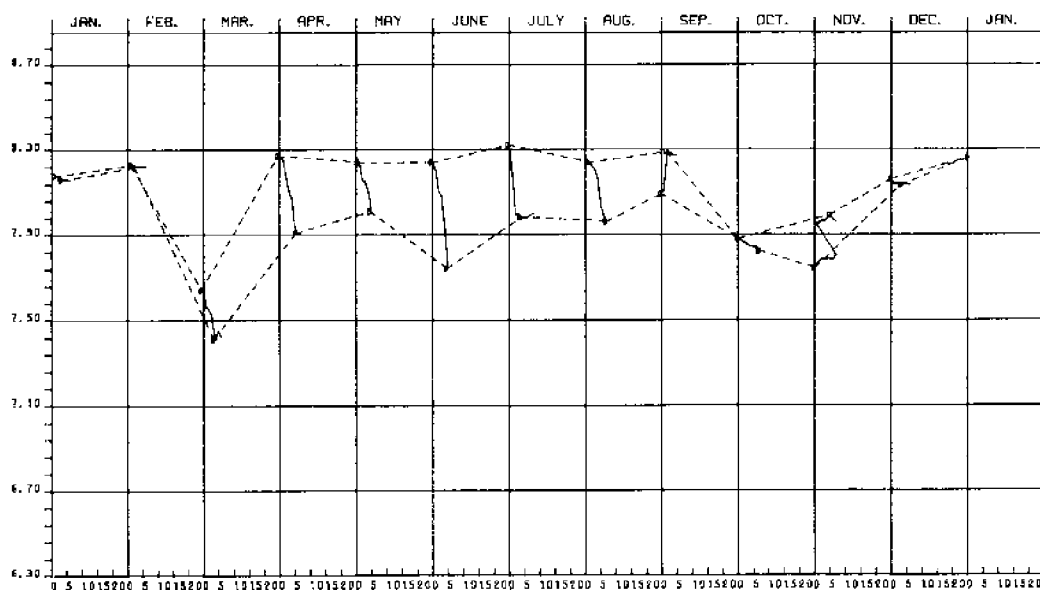
1973 DISSOLVED OXYGEN
STATION: A6 INNER FISH HARBOR
DATA: DEPTH METERS / DIS OXG PPM



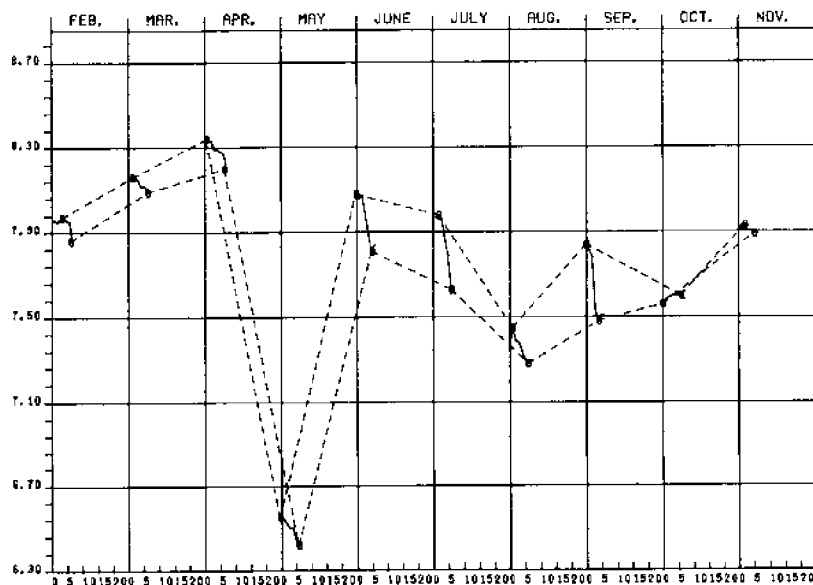
1971 PH DATA
STATION: 06 INNER FISH HARBOR (71-72)
DATA: DEPTH METERS / PH H ION CONC



1972 PH DATA
STATION: 06 INNER FISH HARBOR (71-72)
DATA: DEPTH METERS / PH H ION CONC



1973 PH DATA
STATION: 06 INNER FISH HARBOR
DATA: DEPTH METERS / PH H ION CONC



ALLAN HANCOCK FOUNDATION

PHYSICAL DATA REPORT

STATION: 06 INNER FISH HARBOR (71-72)
 LATITUDE 033:44:09 N LONGITUDE 118:16:00 W

RECORDING DATE	- DEPTH - METERS	TEMPERATURE °C	SALINITY PPT	DIS OXG PPM	PH	H-ION CONC
JUNE '71	00	0.0	17.7	63.9	32.80	9.20
	01	3.3	17.0	62.6	33.00	9.30
	03	9.8	16.6	61.9	32.90	9.10
	04	13.1	16.3	61.3	33.10	4.70
	06	19.7	15.6	60.1	33.20	1.20
	07	23.0	18.5	65.3		
JULY '71	00	0.0	21.1	70.0	33.52	12.60
	01	3.3	21.0	69.8		
	03	9.8	21.0	69.8		
	04	13.1	19.5	67.1		
	06	19.7	19.0	66.2		
	07	23.0	18.5	65.3		
AUG '71	00	0.0	23.3	73.9	34.4E	7.70
	01	3.3	22.5	72.5		
	02	6.6	22.2	72.0		
	03	9.8	20.5	68.9		
	04	13.1	20.2	68.4		
	05	16.4	19.5	67.1		
SEPT '71	00	0.0	19.7	66.6		
	01	3.3	19.2	66.0		
	02	6.6	18.9	66.0		
	03	9.8	20.2	68.4	36.60	14.40
	04	13.1	20.2	68.4	36.60	14.60
	05	16.4	19.8	67.6		
OCT '71	00	0.0	19.5	67.1		
	01	3.3	18.9	66.0		
	02	6.6	17.8	64.0		
	03	9.8	17.2	63.0		
	04	13.1	17.2	63.0		
	05	16.4	17.2	63.0		
NOV '71	00	0.0	17.2	63.0		
	01	3.3	17.2	63.0		
	02	6.6	17.2	63.0		
	03	9.8	17.2	63.0		
	04	13.1	17.2	63.0		
	05	16.4	17.2	63.0		
DEC '71	00	0.0	17.2	63.0		
	01	3.3	17.2	63.0		
	02	6.6	17.2	63.0		
	03	9.8	17.2	63.0		
	04	13.1	17.2	63.0		
	05	16.4	17.2	63.0		

ALLAN HANCOCK FOUNDATION

PHYSICAL DATA REPORT

STATION: 06 INNER FISH HARBOR (71-72)
 LATITUDE 033:44:09 N LONGITUDE 118:16:00 W

RECORDING DATE	- DEPTH - METERS	TEMPERATURE °C	SALINITY PPT	DIS OXG PPM	PH	H-ION CONC
OCT '71	00	0.0	18.2	64.8	36.00	6.30
	01	3.3	18.6	65.8		7.30
	03	9.8	18.0	64.4	36.90	6.30
	04	13.1	19.0	64.2	36.90	7.40
	06	19.7	18.0	64.4	36.60	5.80
	07	23.0	18.5	65.3	36.60	5.80
NOV '71	00	0.0	17.8	64.0		6.00
	01	3.3	18.2	64.8		5.10
	03	9.8	17.6	63.7	5.90	7.97
	04	13.1	18.0	64.4	4.50	6.03
	05	16.4	17.5	63.5	2.20	7.92
	06	19.7	17.6	63.7	5.00	7.93
DEC '71	00	0.0	17.4	63.3		1.90
	01	3.3	17.4	63.3		4.20
	02	6.6	15.5	59.9	36.45	7.70
	03	9.8	15.8	60.4	35.2E	7.70
	04	13.1	15.8	60.4	35.2E	7.72
	05	16.4	15.5	59.9	35.55	7.70
JAN '72	00	0.0	15.0	59.0	36.00	7.74
	01	3.3	15.0	59.0	36.00	7.78
	02	6.6	12.0	53.6	35.85	8.23
	03	9.8	12.0	53.6	35.99	8.23
	04	13.1	12.1	53.8	35.89	8.23
	05	16.4	12.0	53.6	35.99	8.21
FEB '72	00	0.0	12.8	55.0	35.14	6.15
	01	3.3	11.2	52.2	36.07	8.05
	02	6.6	11.0	51.8	36.17	7.95
	03	9.8	10.9	51.6	36.16	7.87
	04	13.1	10.9	51.6		
	05	16.4	10.9	51.6		

ALLAN HANCOCK FOUNDATION

PHYSICAL DATA REPORT

STATION: 06 INNER FISH HARBOR (71-72)
 LATITUDE 033:44:09 N LONGITUDE 118:16:00 W

RECORDING DATE	- DEPTH - MEIERS	TEMPERATURE C	SALINITY PPT	DISTANCE PPM	PH	H. ION CONC
JAN '72	00	11.9	35.00	6.30	8.18	
	01	11.9	35.00	6.20	8.18	
	02	11.8	35.10	6.10	8.18	
	03	11.5	35.40	5.80	8.17	
	04	11.5	35.40	5.80	8.16	
	05	11.5	35.40	5.80	8.16	
	06	11.5	35.40	5.80	8.16	
FEB '72	00	12.5	34.50	5.50	8.23	
	01	12.5	34.70	5.50	8.23	
	02	12.5	34.70	5.60	8.23	
	03	12.4	34.90	5.60	8.23	
	04	12.4	35.00	5.50	8.22	
	05	12.4	35.00	5.40	8.22	
	06	12.4	35.00	5.40	8.22	
	07	12.3	35.30	5.50	8.22	
MAR '72	00	16.0	33.63	7.20	7.64	
	01	15.7	34.21	5.60	7.56	
	02	15.6	34.35	5.50	7.55	
	03	15.4	34.47	4.60	7.51	
	04	15.0	34.73	3.90	7.41	
	05	15.0	34.83	3.80	7.45	
	06	14.8	34.81	3.20	7.42	
APR '72	00	17.9	34.26	12.50	8.27	
	01	17.3	34.94	13.80	8.26	
	02	16.9	35.02	10.70	8.19	
	03	16.3	34.93	7.40	8.11	
	04	16.0	35.11	7.10	8.07	
	05	15.8	35.37	6.10	7.94	
	06	15.5	35.55	5.00	7.91	
MAY '72	00	15.7	34.57	7.90	8.23	
	01	15.7	34.66	7.80	8.24	
	02	14.9	36.00	6.00	8.16	
	03	14.8	36.04	5.60	8.15	
	04	14.1	36.10	4.50	8.10	
	05	13.7	36.36	3.40	8.01	

ALLAN HANCOCK FOUNDATION

PHYSICAL DATA REPORT

STATION: 06 INNER FISH HARBOR (71-72)
 LATITUDE 033:44:09 N LONGITUDE 118:16:00 W

RECORDING DATE	- DEPTH - MEIERS	TEMPERATURE C	SALINITY PPT	DISTANCE PPM	PH	H. ION CONC
JUNE '72	00	19.7	34.53	6.70	8.24	
	01	18.0	35.28	5.30	8.20	
	02	17.5	35.54	4.60	8.10	
	03	17.2	35.81	4.60	8.08	
	04	16.5	35.92	2.80	7.92	
	05	15.5	36.91	0.0	7.74	
JULY '72	00	21.6	33.97	10.60	8.32	
	01	21.4	34.36	8.60	8.18	
	02	19.0	34.77	3.00	8.00	
	03	17.4	35.46	1.90	8.00	
	04	17.0	35.63	2.10	7.98	
	05	16.4	35.55	1.60	7.98	
	06	16.0	35.72	1.50	7.96	
	07	15.5	35.81	1.70	7.99	
	08	16.1	36.00	1.90	8.00	
AUG '72	00	20.3	34.20	6.00	8.24	
	01	20.0	34.36	8.10	8.24	
	02	19.0	34.77	7.50	8.23	
	03	17.5	35.37	6.60	8.21	
	04	16.6	35.46	4.90	8.17	
	05	15.5	35.91	2.40	8.04	
	06	15.1	36.18	1.80	8.00	
	07	15.0	36.28	1.10	7.96	
SEPT '72	00	20.3	33.80	6.00	8.09	
	01	20.1	34.20	8.11	8.11	
	02	19.7	34.44	8.24	8.24	
	03	19.6	34.52	8.24	8.24	
	04	19.5	34.69	8.27	8.27	
	05	18.2	34.94	4.00	7.88	
	01	18.2	34.86	7.87	7.87	
	02	18.1	34.94	7.86	7.86	
	03	18.1	34.94	7.85	7.85	
	04	18.1	34.94	7.84	7.84	
	05	18.1	34.86	7.84	7.84	
	06	18.0	35.03	7.84	7.84	
	07	18.0	35.11	7.82	7.82	

ALLAN HANCOCK FOUNDATION

PHYSICAL DATA REPORT

STATIONS: 06 INNER FISH HARBOR (71-72)
 LATITUDE 033:44:09 N LONGITUDE 118:16:00 W

RECORDING DATE	- DEPTH - METERS	TEMPERATURE C	SALINITY PPT	DIS OXG PPM	PH	F-ION %S
NOV '72	00	16.2	34.49	3.10	7.74	
	01	15.3	33.66	4.90	7.96	
	02	15.0	33.92	4.90	7.95	
	03	16.1	34.49	3.10	7.76	
	04	16.0	34.45	3.00	7.78	
	05	15.0	33.83	4.90	7.96	
	06	15.0	33.83	4.80	7.96	
	07	16.1	34.31	3.00	7.78	
	08	15.9	34.48	3.00	7.78	
	09	15.0	34.10	4.50	7.97	
	10	15.9	34.42	3.00	7.78	
	11	15.4	34.29	4.60	7.99	
	12	15.4	34.38	3.60	7.97	
	13	15.9	34.48	2.90	7.78	
	14	15.9	34.48	2.80	7.80	
	15	15.4	34.36	3.70	7.96	
DEC '72	00	13.9	34.52	6.60	8.16	
	01	13.9	34.52	6.30	8.14	
	02	13.9	34.70	6.40	8.14	
	03	14.0	34.89	6.10	8.13	
	04	14.0	34.89	6.20	8.14	
	05	14.0	34.89	6.20	8.14	
	06	14.1	34.89	6.20	8.13	
	07	14.1	34.89	6.00	8.14	
JAN '73	00	12.9	34.57	4.30		
	01	12.7	34.85	3.80		
	02	12.5	35.13	3.90		
	03	12.5	35.42	3.30		
	04	12.5	35.42	2.90		
	05	12.5	35.32	2.60		
	06	12.2	35.60	0.0		

ALLAN HANCOCK FOUNDATION

PHYSICAL DATA REPORT

STATIONS: A6 INNER FISH HARBOR
 LATITUDE 033:44:09 N LONGITUDE 118:16:00 W

RECORDING DATE	- DEPTH - METERS	TEMPERATURE C	SALINITY PPT	DIS OXG PPM	PH	F-ION %S
FEB '73	00	13.5	31.60	7.00	7.94	
	01	13.5	32.00	6.50	7.96	
	02	13.4	32.20	6.50	7.95	
	03	13.3	32.40	6.60	7.96	
	04	13.1	32.50	6.40	7.97	
	05	13.0	33.00	6.00	7.96	
	06	13.0	33.00	5.60	7.95	
	07	13.0	33.50	3.70	7.86	
MAR '73	00	15.0	32.60	5.80	8.16	
	01	14.9	32.90	5.40	8.15	
	02	14.7	32.90	9.40	8.16	
	03	14.5	33.10	5.10	8.15	
	04	14.4	33.20	8.50	8.12	
	05	14.3	33.20	8.40	8.12	
	06	14.2	33.20	8.40	8.11	
	07	14.2	33.20	8.00	8.05	
APR '73	00	12.5	32.50	10.80	8.34	
	01	12.5	32.60	11.20	8.34	
	02	12.0	33.10	10.80	8.33	
	03	12.0	33.00	9.90	8.29	
	04	11.9	33.00	9.80	8.29	
	05	11.8	33.10	9.50	8.28	
	06	11.6	33.20	5.30	8.27	
	07	11.3	33.20	7.90	8.20	
MAY '73	00	15.1	33.90	8.20	6.55	
	01	15.9	33.90	7.10	6.54	
	02	15.7	33.80	4.50	6.52	
	03	15.5	33.80	4.30	6.50	
	04	15.3	33.90	4.30	6.50	
	05	15.0	33.80	3.40	6.45	
	06	14.9	33.80	2.90	6.42	
JUNE '73	00	18.0	34.30	7.50	8.09	
	01	17.7	34.30	7.90	8.06	
	02	17.2	33.90	6.80	8.07	
	03	15.9	33.80	4.50	7.98	
	04	15.7	33.80	3.40	7.81	
	05	15.6	33.90	3.80	7.84	

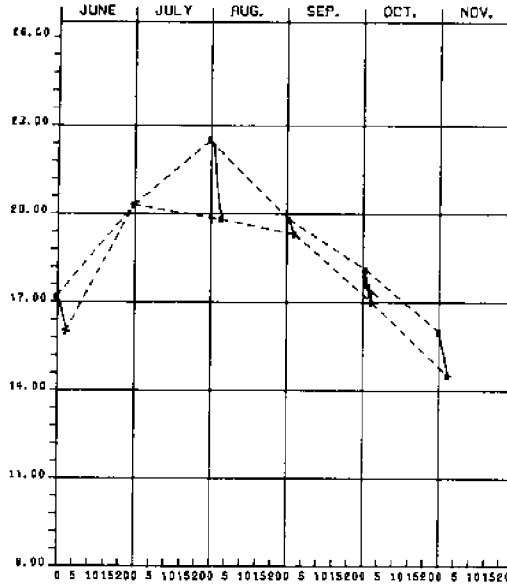
ALLAN HANCOCK FOUNDATION

PHYSICAL DATA REPORT

STATION: A6 INNER FISH HARBOR LONGITUDE 118:16:00 N
 LATITUDE 033:44:09 N

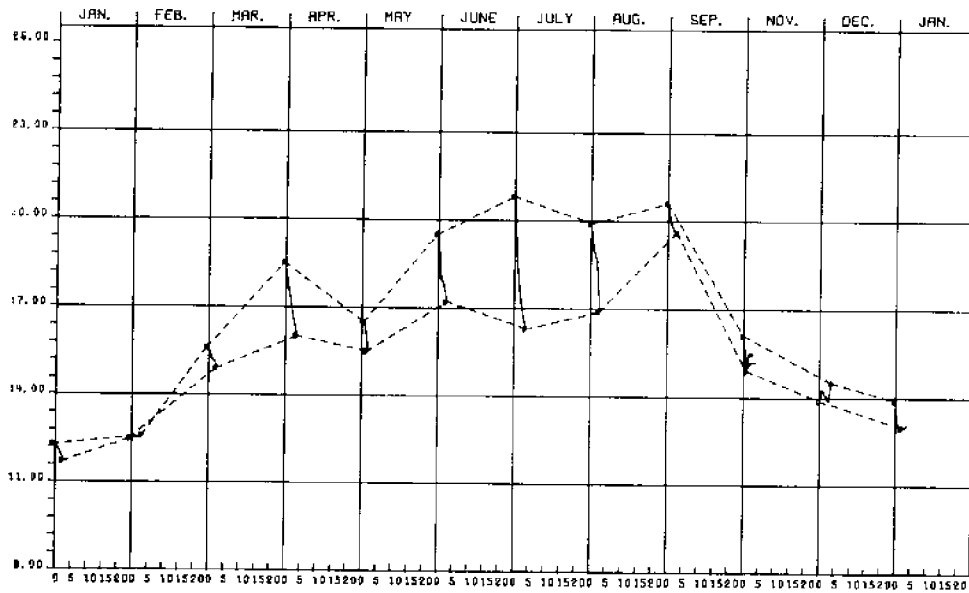
RECORDING DATE	DEPTH - METERS	TEMPERATURE °C	SALINITY PPT	DISTANCE DTS	PH	ION CONC	
JULY '73	00	0.0	19.6	67.3	33.20	6.40	7.97
	01	3.3	19.2	66.6	33.30	6.30	7.97
	02	6.6	19.2	66.6	33.30	6.60	7.98
	03	9.8	19.2	66.6	33.80	6.20	7.96
	04	13.1	17.4	63.3	33.80	5.20	7.86
	05	16.4	17.0	62.6	33.70	4.50	7.79
	06	19.7	16.4	61.5	33.70	3.00	7.63
AUG '73	00	0.0	18.6	65.5	33.40	7.00	7.37
	01	3.3	18.6	65.5	33.40	5.40	7.45
	02	6.6	19.0	66.2	33.50	8.00	7.35
	03	9.8	18.2	64.8	33.50	7.20	7.38
	04	13.1	17.8	64.0	33.60	6.40	7.34
	05	16.4	17.8	64.0	33.50	6.20	7.30
	06	19.7	16.4	61.5	33.50	5.80	7.28
SEPT '73	00	0.0	17.9	64.2	33.40	6.10	7.84
	01	3.3	17.9	64.2	33.30	6.30	7.81
	02	6.6	17.9	64.2	33.40	5.80	7.78
	03	9.8	17.1	62.8	33.60	4.50	7.53
	04	13.1	16.7	62.1	33.50	4.10	7.48
	05	16.4	16.6	61.9	33.50	4.30	7.51
	06	19.7	16.3	61.3	33.50	4.20	7.51
OCT '73	00	0.0	18.0	64.4	33.10	2.80	7.56
	01	3.3	17.8	64.0	33.20	2.60	7.58
	02	6.6	17.8	64.0	33.20	2.60	7.59
	03	9.8	17.8	64.0	33.20	2.60	7.60
	04	13.1	17.8	64.0	33.30	2.60	7.60
	05	16.4	17.4	63.3	33.50	2.70	7.60
	06	19.7	17.3	63.1	33.40	2.70	7.60
	07	23.0	17.3	63.1	33.40	2.70	7.58
NOV '73	00	0.0	16.8	62.2	33.20	5.60	7.90
	01	3.3	16.9	62.4	33.20	5.70	7.93
	02	6.6	16.8	62.2	33.20	5.70	7.93
	03	9.8	16.7	62.1	33.20	5.40	7.90
	04	13.1	16.6	61.9	33.20	5.40	7.90
	05	16.4	16.6	61.9	33.20	5.30	7.89
	06	19.7	16.6	61.9	33.20	5.20	7.89

1971 TEMPERATURE DATA
STATION: 07 SEWER OUTFALL (71-72)
DATA: DEPTH METERS / TEMP CELSIUS

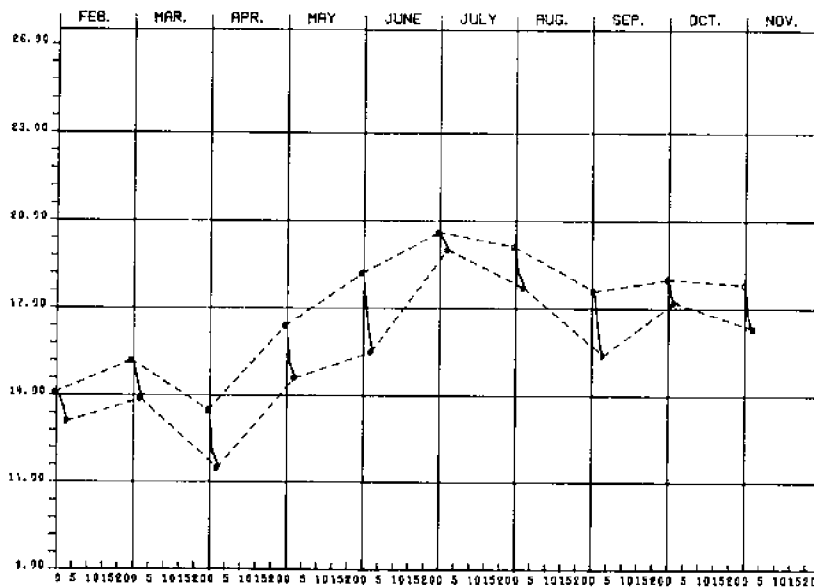


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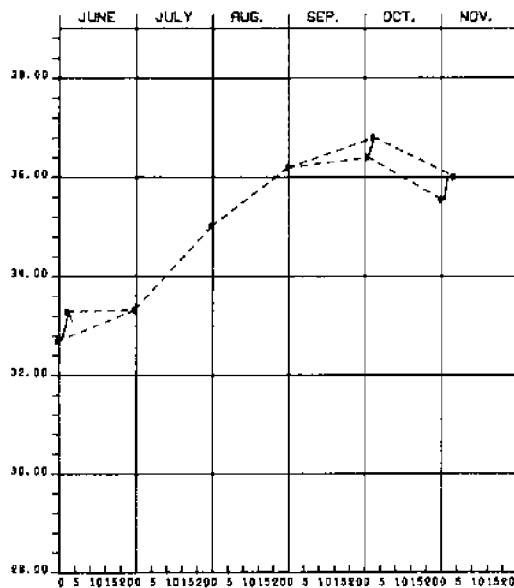
1972 TEMPERATURE DATA
STATION: 07 SEWER OUTFALL (71-72)
DATA: DEPTH METERS / TEMP CELSIUS



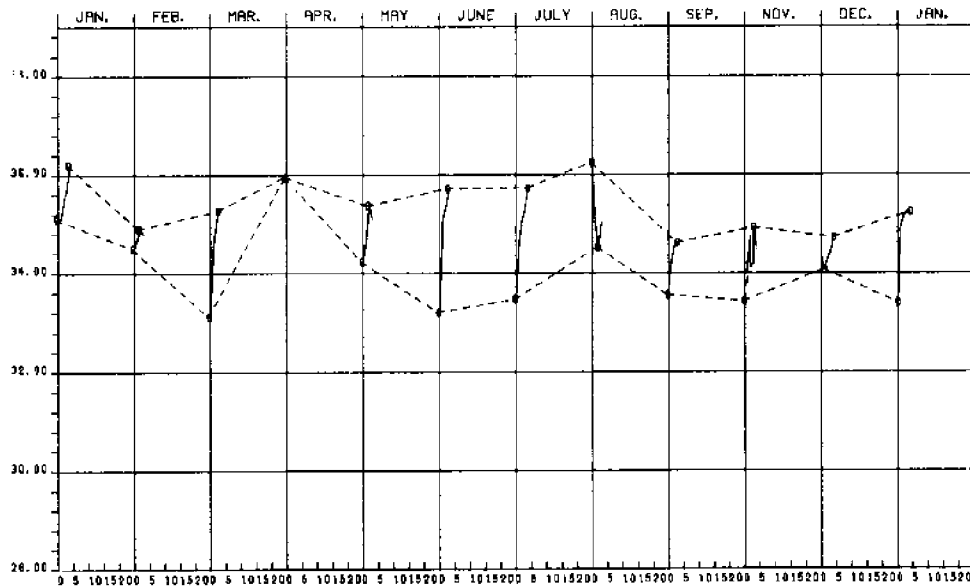
1973 TEMPERATURE DATA
STATION: 07 SEWER OUTFALL
DATA: DEPTH METERS / TEMP CELSIUS



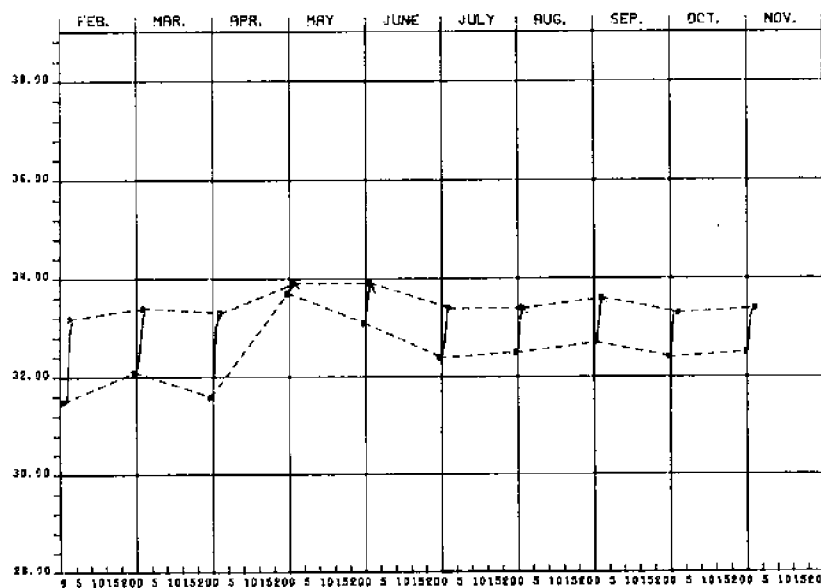
1971 SALINITY DATA
STATION: 07 SEWER OUTFALL (71-72)
DATA: DEPTH METERS / SAL PPT



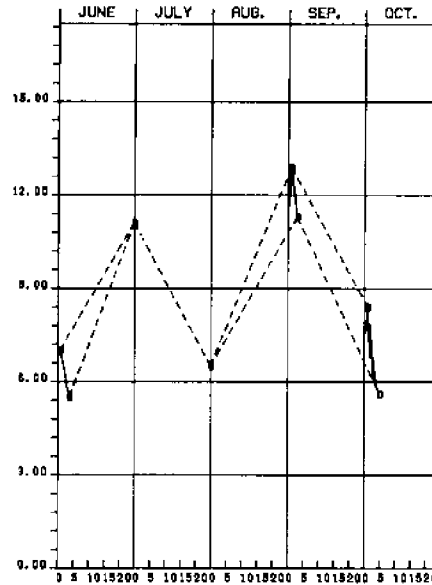
1972 SALINITY DATA
STATION: 07 SEWER OUTFALL (71-72)
DATA: DEPTH METERS / SAL PPT



1973 SALINITY DATA
STATION: 07 SEWER OUTFALL
DATA: DEPTH METERS / SAL PPT

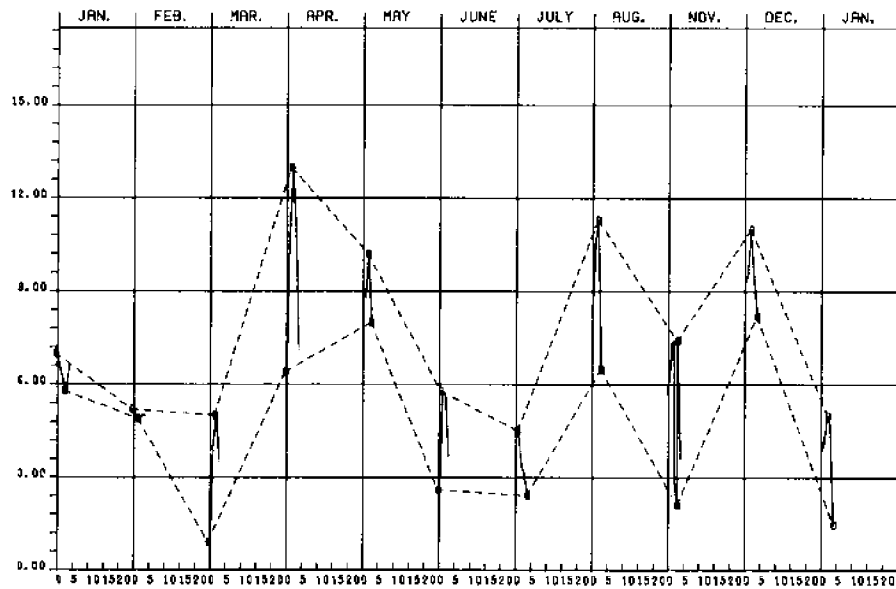


1971 DISSOLVED OXYGEN
STATION: 07 SEWER OUTFALL (71-72)
DATA: DEPTH METERS / DIS OXG PPM

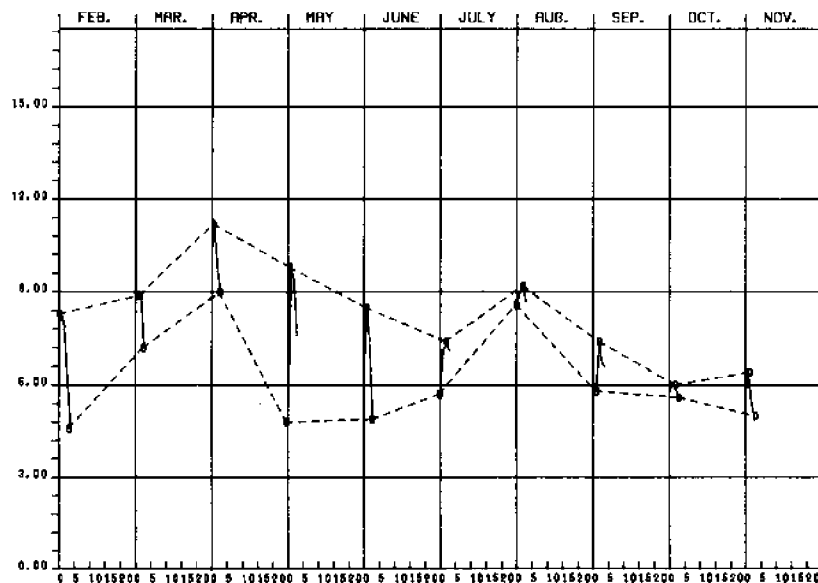


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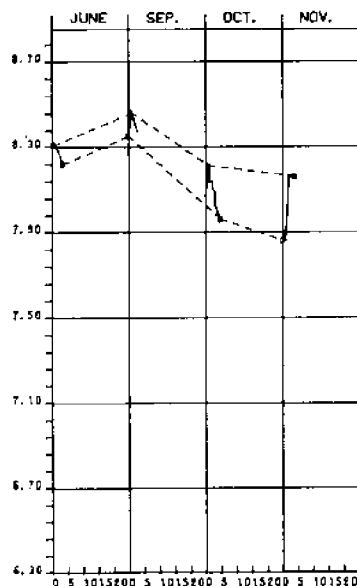
1972 DISSOLVED OXYGEN
STATION: 07 SEWER OUTFALL (71-72)
DATA: DEPTH METERS / DIS OXG PPM



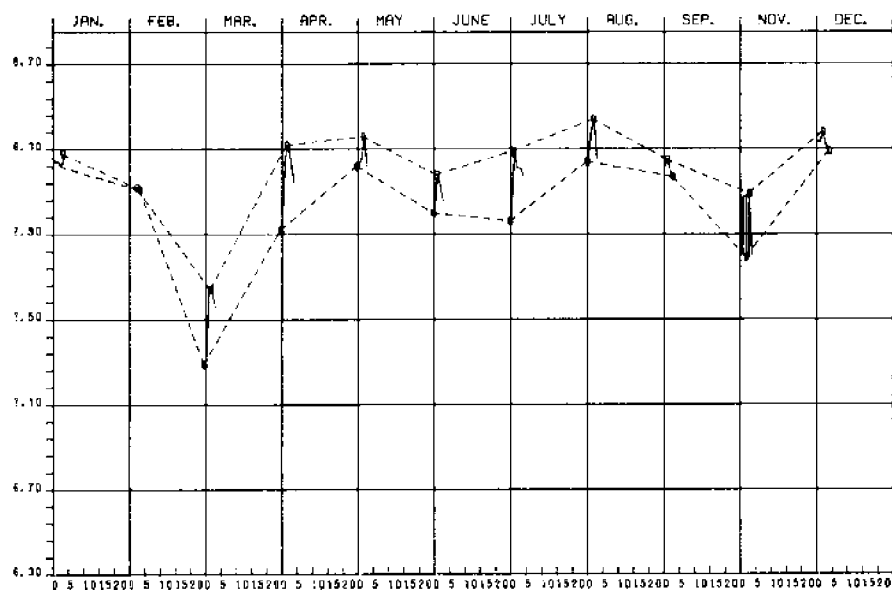
1973 DISSOLVED OXYGEN
STATION: A7 SEWER OUTFALL
DATA: DEPTH METERS / DIS OXG PPM



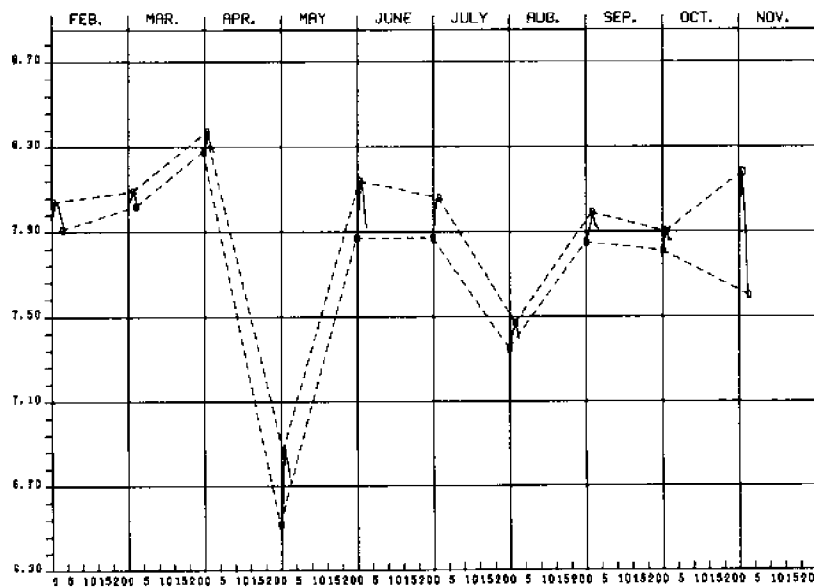
1971 PH DATA
STATION: 07 SEWER OUTFALL (71-72)
DATA: DEPTH METERS / PH H ION CONC



1972 PH DATA
STATION: 07 SEWER OUTFALL (71-72)
DATA: DEPTH METERS / PH H ION CONC



1973 PH DATA
STATION: A2 SEWER OUTFALL
DATA: DEPTH METERS / PH H ION CONC



ALLAN HANCOCK FOUNDATION

PHYSICAL DATA REPORT

STATION: 07 SEWER OUTFALL (71-72) LONGITUDE 118:15:26 W
 LATITUDE 033:44:12 N

RECORDING --DATE--	DEPTH - METERS	TEMPERATURE C	SALINITY PPT	DIS OXG PPM	PH	H ION CONC
JUNE '71	00	0.0	17.2	63.0	32.70	6.90
	01	3.3	16.8	62.2	32.80	7.00
	03	9.8	16.0	60.8	33.30	5.80
	04	13.1	16.0	60.8	33.10	5.50
JULY '71	00	0.0	20.3	68.5	33.33	11.10
	00	0.0	22.5	72.5	35.02	6.50
AUG '71	01	3.3	22.3	72.1		
	02	6.6	21.0	69.8		
	03	9.8	20.2	68.4		
	04	13.1	19.6	67.6		
SEPT '71	00	0.0	19.8	67.6	36.20	11.40
	01	3.3	19.8	67.6		12.50
	02	6.6	19.4	66.9		12.00
	03	9.8	19.3	66.7		11.30
OCT '71	00	0.0	17.9	64.2		7.50
	00	0.0	18.1	64.6		7.30
	01	3.3	17.5	63.5	36.40	8.00
	01	3.3	18.1	64.6		8.40
	02	6.6	17.2	63.0	36.60	6.80
	02	6.6	17.6	63.7		7.80
	03	9.8	17.0	62.6	36.80	6.10
	03	9.8	17.4	63.3		6.70
NOV '71	04	13.1	17.3	63.1		5.90
	05	16.4	17.2	63.0		5.60
	00	0.0	16.0	60.8	35.55	7.86
	01	3.3	15.5	59.9	35.55	7.86
	02	6.6	15.0	59.0	36.00	8.16
	03	9.8	14.5	58.1	36.01	8.16
	04	13.1	14.5	58.1	36.01	8.16

ALLAN HANCOCK FOUNDATION

PHYSICAL DATA REPORT

STATION: 07 SEWER OUTFALL (71-72) LONGITUDE 118:15:26 W
 LATITUDE 033:44:12 N

RECORDING --DATE--	DEPTH - METERS	TEMPERATURE C	SALINITY PPT	DIS OXG PPM	PH	H ION CONC
JAN '72	00	0.0	12.3	54.1	35.10	7.00
	01	3.3	12.1	53.8	35.10	6.50
	02	6.6	11.9	53.4	35.50	6.10
	03	9.8	11.7	53.1	35.70	5.80
	04	13.1	11.7	53.1	36.20	6.60
FEB '72	00	0.0	12.5	54.5	34.50	5.20
	01	3.3	12.5	54.5	34.70	5.00
	02	6.6	12.5	54.5	34.90	4.90
	03	9.8	12.6	54.7	34.80	5.00
	04	13.1	12.6	54.7	34.80	5.00
MAR '72	00	0.0	15.6	60.1	33.13	6.40
	01	3.3	15.2	59.4	34.55	4.10
	02	6.6	15.1	59.2	35.09	5.00
	03	9.8	14.9	58.8	35.27	3.50
APR '72	00	0.0	18.5	65.3	35.95	6.40
	01	3.3	17.6	63.7		10.75
	02	6.6	17.0	62.6		13.00
	03	9.8	16.4	61.5		10.75
	04	13.1	16.0	60.8		7.10
MAY '72	00	0.0	16.5	61.7	34.23	5.10
	01	3.3	16.5	61.7	34.58	8.80
	02	6.6	15.9	59.9	35.37	10.20
	03	9.8	15.5	59.9	35.10	8.00
JUNE '72	00	0.0	19.5	67.1	33.21	2.60
	01	3.3	18.0	64.4	35.11	5.80
	02	6.6	17.7	63.9	35.37	8.13
	03	9.8	17.2	63.0	35.72	8.04
JULY '72	00	0.0	20.8	69.4	33.47	4.20
	01	3.3	18.6	65.5	34.61	4.50
	02	6.6	17.3	63.1	35.11	3.40
	03	9.8	16.7	62.1	35.37	3.10
	04	13.1	16.3	61.3	35.73	2.40

ALLAN HANCOCK FOUNDATION

PHYSICAL DATA REPORT

STATION: 07 SEWER OUTFALL (71-72)		LONGITUDE 118:15:26 W		LATITUDE 033:44:12 N		RECORDING DATE		DEPTH - METERS		TEMPERATURE C		SALINITY PPT		DIS OXG PPM		PH		F-LION CONC	
RECORDING DATE	DEPTH - METERS	TEMPERATURE C	SALINITY PPT	DIS OXG PPM	PH	F-LION CONC	RECORDING DATE	DEPTH - METERS	TEMPERATURE C	SALINITY PPT	DIS OXG PPM	PH	F-LION CONC						
AUG '72	00	0.0	19.9	67.8	36.25	8.20	AUG '73	00	0.0	13.9	57.0	34.33	8.33						
	01	3.3	19.0	66.2	35.03	10.50		01	3.3	14.3	57.7	34.07	8.33						
	02	6.6	18.6	65.5	34.52	11.30		02	6.6	14.1	57.4	34.25	11.00						
	03	9.8	16.9	62.4	35.03	6.50		03	9.8	13.9	57.0	34.42	8.32						
SEPT '72	00	0.0	20.6	69.1	33.56	8.21	MAY '73	00	0.0	16.4	61.5	4.80	6.52						
	01	3.3	19.9	67.8	34.20	8.25		01	3.3	15.1	59.2	5.20	6.87						
	02	6.6	19.7	67.5	34.53	8.19		02	6.6	14.8	58.6	9.40	6.82						
	03	9.8	19.6	67.3	34.61	8.17		03	9.8	14.6	58.3	7.60	6.73						
NOV '72	00	0.0	16.1	61.0	33.42	6.30	JUNE '73	00	0.0	18.2	64.8	6.10	7.87						
	00	0.0	15.2	59.4	33.74	5.70		01	3.3	17.0	62.6	8.50	8.14						
	01	3.3	14.9	58.8	33.82	6.80		02	6.6	16.1	61.0	7.50	8.09						
	01	3.3	15.1	59.2	34.15	7.30		03	9.8	15.5	59.9	4.90	7.92						
DEC '72	02	6.6	15.5	59.9	34.74	7.40	JULY '73	00	0.0	19.6	67.3	5.70	7.87						
	02	6.6	15.2	59.4	34.11	3.00		01	3.3	19.4	66.9	7.10	8.05						
	03	9.8	15.2	59.4	34.20	2.10		02	6.6	19.2	66.6	7.40	8.06						
	03	9.8	15.5	59.9	34.92	7.40		03	9.8	19.0	66.2	7.10	8.06						
JAN '73	04	13.1	15.2	59.4	34.47	3.60	AUG '73	00	0.0	19.1	66.4	8.60	7.35						
	00	0.0	13.9	57.0	34.33	5.20		01	3.3	18.2	64.8	9.00	7.43						
	01	3.3	14.3	57.7	34.07	5.60		02	6.6	18.0	64.4	5.20	7.47						
	02	6.6	14.1	57.4	34.25	11.00		03	9.8	17.7	63.9	8.70	7.40						
JAN '73	03	9.8	13.9	57.0	34.42	5.50	SEPT '73	00	0.0	17.4	63.3	6.10	7.85						
	04	13.1	14.5	58.1	34.72	8.20		01	3.3	17.6	63.7	5.80	7.90						
	00	0.0	13.9	57.0	33.40	3.80		02	6.6	16.5	61.7	7.40	7.99						
	01	3.3	13.1	55.6	34.96	4.10		03	9.8	15.6	60.1	6.70	7.93						
JAN '73	02	6.6	13.0	55.4	35.15	4.70	SEPT '73	00	0.0	17.4	63.3	6.10	7.85						
	03	9.8	13.0	55.4	35.24	1.47		01	3.3	17.6	63.7	5.80	7.90						
	04	13.1	13.1	55.6	35.24	1.47		02	6.6	16.5	61.7	7.40	7.99						
	00	0.0	13.9	57.0	33.40	3.80		03	9.8	15.6	60.1	6.70	7.93						

ALLAN HANCOCK FOUNDATION

PHYSICAL DATA REPORT

STATION: A7 SEWER OUTFALL		LONGITUDE 118:15:26 W		LATITUDE 033:44:12 N		RECORDING DATE		DEPTH - METERS		TEMPERATURE C		SALINITY PPT		DIS OXG PPM		PH		F-LION CONC	
RECORDING DATE	DEPTH - METERS	TEMPERATURE C	SALINITY PPT	DIS OXG PPM	PH	F-LION CONC	RECORDING DATE	DEPTH - METERS	TEMPERATURE C	SALINITY PPT	DIS OXG PPM	PH	F-LION CONC						
FEB '73	00	0.0	14.1	57.4	7.50	7.96	MAR '73	00	0.0	15.2	59.4	8.80	8.03						
	01	3.3	13.9	57.0	8.30	8.04		01	3.3	14.7	58.5	8.80	8.06						
	02	6.6	13.6	56.5	31.50	8.03		02	6.6	14.2	57.6	8.50	8.09						
	03	9.8	13.2	55.8	32.90	7.97		03	9.8	13.9	57.0	7.20	8.02						
APR '73	04	13.1	13.1	55.6	33.20	7.91	MAY '73	00	0.0	13.5	56.3	10.20	8.28						
	00	0.0	16.4	61.5	33.70	6.52		01	3.3	12.0	53.6	33.00	11.20	8.37					
	01	3.3	15.1	59.2	33.90	6.87		02	6.6	11.8	52.2	33.20	5.80	8.31					
	02	6.6	14.8	58.6	33.90	6.82		03	9.8	11.5	52.7	33.30	5.00	8.28					
JUNE '73	03	9.8	14.6	58.3	33.80	6.73	JUNE '73	00	0.0	18.2	64.8	6.10	7.87						
	00	0.0	19.6	67.3	32.40	7.87		01	3.3	17.0	62.6	8.50	8.14						
	01	3.3	16.1	61.0	33.90	8.09		02	6.6	16.1	61.0	7.50	8.09						
	02	6.6	15.5	59.9	33.70	4.90		03	9.8	15.5	59.9	4.90	7.92						
JULY '73	03	9.8	15.5	59.9	33.70	7.92	JULY '73	00	0.0	19.6	67.3	5.70	7.87						
	00	0.0	19.6	67.3	32.40	7.87		01	3.3	19.4	66.9	7.10	8.05						
	01	3.3	19.4	66.9	32.70	8.05		02	6.6	19.2	66.6	7.40	8.06						
	02	6.6	19.2	66.6	33.40	8.06		03	9.8	19.0	66.2	7.10	8.06						
AUG '73	03	9.8	19.0	66.2	33.40	8.06	AUG '73	00	0.0	19.1	66.4	8.60	7.35						
	00	0.0	19.1	66.4	32.50	7.35		01	3.3	18.2	64.8	9.00	7.43						
	01	3.3	18.2	64.8	33.20	7.43		02	6.6	18.0	64.4	5.20	7.47						
	02	6.6	18.0	64.4	33.40	8.06		03	9.8	17.7	63.9	8.70	7.40						
SEPT '73	03	9.8	17.7	63.9	33.30	7.40	SEPT '73	00	0.0	17.4	63.3	6.10	7.85						
	00	0.0	17.4	63.3	32.90	7.85		01	3.3	17.6	63.7	5.80	7.90						
	01	3.3	17.6	63.7	32.70	8.05		02	6.6	16.5	61.7	7.40	7.99						
	02	6.6	16.5	61.7	33.40	8.06		03	9.8	15.6	60.1	6.70	7.93						
OCT '73	03	9.8	15.6	60.1	33.60	7.93	OCT '73	04	13.1	15.4	59.7	6.60	7.91						
	00	0.0	18.2	64.8	33.10	7.87		NOV '73	00	0.0	16.4	61.5	4.80	6.52					
	01	3.3	17.0	62.6	8.50	8.14			01	3.3	15.1	59.2	5.20	6.87					
	02	6.6	16.1	61.0	7.50	8.09			02	6.6	14.8	58.6	9.40	6.82					
NOV '73	03	9.8	15.5	59.9	33.80	6.73	NOV '73		03	9.8	14.6	58.3	7.60	6.73					
	00	0.0	18.2	64.8	6.10	7.87		DEC '73	00	0.0	19.6	67.3	5.70	7.87					
	01	3.3	17.0	62.6	8.50	8.14			01	3.3	19.4	66.9	7.10	8.05					
	02	6.6	16.1	61.0	7.50	8.09			02	6.6	19.2	66.6	7.40	8.06					
DEC '73	03	9.8	15.5	59.9	33.70	7.92	DEC '73		03	9.8	19.0	66.2	7.10	8.06					
	00	0.0	19.6	67.3	32.40	7.87		JAN '74	00	0.0	19.1	66.4	8.60	7.35					
	01	3.3	19.4	66.9	32.70	8.05			01	3.3	18.2	64.8	9.00	7.43					
	02	6.6	19.2	66.6	7.40	8.06			02	6.6	18.0	64.4	5.20	7.47					
JAN '74	03	9.8	19.0	66.2	33.40	8.06	JAN '74		03	9.8	17.7	63.9	8.70	7.40					
	00	0.0	19.1	66.4	32.50	7.35		FEB '74	00	0.0	17.4	63.3	6.10	7.85					
	01	3.3	18.2	64.8	33.20	7.43			01	3.3	17.6	63.7	5.80	7.90					
	02	6.6	18.0	64.4	33.40	8.06			02	6.6	16.5	61.7	7.40	7.99					
FEB '74	03	9.8	17.7	63.9	33.30	7.40	FEB '74		03	9.8	15.6	60.1	6.70	7.93					
	00	0.0	17.4	63.3	32.90	7.85		MAR '74	04	13.1	15.4	59.7	6.60	7.91					
	01	3.3	17.6	63.7	32.70	8.05			APR '74	00	0.0	16.4	61.5	4.80	6.52				
	02	6.6	16.5	61.7	33.40	8.06				01	3.3	15.1	59.2	5.20	6.87				
MAR '74	03	9.8	15.6	60.1	33.60	7.93	MAR '74			02	6.6	14.8	58.6	9.40	6.82				
	04	13.1	15.4	59.7	33.50	7.91		APR '74		03	9.8	14.6	58.3	7.60	6.73				
	00	0.0	18.2	64.8	33.10	7.87			MAY '74	00	0.0	18.2	64.8	6.10	7.87				
	01	3.3	17.0	62.6	8.50	8.14				01	3.3	17.0	62.6	8.50	8.14				
APR '74	02	6.6	16.1	61.0	7.50	8.09	MAY '74			02	6.6	16.1	61.0	7.50	8.09				
	03	9.8	15.5	59.9	33.70	7.92		JUNE '74		03	9.8	15.5	59.9	4.90	7.92				
	00	0.0	19.6	67.3	32.40	7.87			JULY '74	00	0.0	19.6	67.3	5.70	7.87				
	01	3.3	19.4	66.9	32.70	8.05				01	3.3	19.4	66.9	7.10	8.05				
MAY '74	02	6.6	19.2	66.6	7.40	8.06	JULY '74			02	6.6	19.2	66.6	7.40	8.06				
	03	9.8	19.0	66.2	7.10	8.06		AUG '74		03	9.8	19.0	66.2	7.10	8.06				
	00	0.0	19.1	66.4	8.60	7.35			AUG '74	00	0.0	19.1	66.4	8.60	7.35				
	01	3.3	18.2	64.8	9.00	7.43				01	3.3	18.2	64.8	9.00	7.43				
JUNE '74	02	6.6	18.0	64.4	5.20	7.47	AUG '74			02	6.6	18.0	64.4	5.20	7.47				
	03	9.8	17.7	63.9	8.70	7.40		SEPT '74		03	9.8	17.7	63.9	8.70	7.40				
	00	0.0	17.4	63.3	6.10	7.85			SEPT '74	00	0.0	17.4	63.3	6.10	7.85				
	01	3.3	17.6	63.7	5.80	7.90				01	3.3	17.6	63.7	5.80	7.90				
JULY '74	02	6.6	16.5	61.7	7.40	7.99	SEPT '74			02	6.6	16.5	61.7	7.40	7.99				
	03	9.8	15.6	60.1	6.70	7.93		OCT '74		03	9.8	15.6	60.1	6.70	7.93				
	04	13.1	15.4	59.7	6.60	7.91			OCT '74	04	13.1	15.4	59.7	6.60	7.91				
	00	0.0	16.4	61.5	4.80	6.52				NOV '74	00	0.0	16.4	61.5	4.80	6.52			
AUG '74	01	3.3	15.1	59.2	5.20	6.87	NOV '74				01	3.3	15.1	59.2	5.20	6.87			
	02	6.6	14.8	58.6	9.40	6.82		DEC '74			02	6.6	14.8	58.6	9.40	6.82			
	03	9.8	14.6	58.3	7.60	6.73			DEC '74		03	9.8	14.6	58.3	7.60	6.73			
	00	0.0	18.2	64.8	6.10	7.87				JAN '75	00	0.0	18.2	64.8	6.10	7.87			
SEPT '74	01	3.3	17.0	62.6	8.50	8.14	JAN '75				01	3.3	17.0	62.6	8.50	8.14			
	02	6.6	16.1	61.0	7.50	8.09		FEB '75			02	6.6	16.1	61.0	7.50	8.09			
	03	9.8	15.5	59.9	4.90	7.92			FEB '75		03	9.8	15.5	59.9	4.90	7.92			
	00	0.0	19.6	67.3	32.40	7.87				MAR '75	00	0.0	19.6	67.3	32.40	7.87			
OCT '74	01	3.3	19.4	66.9	7.10	8.05	MAR '75				01	3.3	19.4	66.9	7.10	8.05			
	02	6.6	19.2	66.6	7.40	8.06		APR '75			02	6.6	19.2	66.6	7.40	8.06			
	03	9.8	19.0	66.2	7.10	8.06			APR '75		03	9.8	19.0	66.2	7.10	8.06			
	00	0.0	19.1	66.4	8.60	7.35				MAY '75	00	0.0	19.1	66.4	8.60	7.35			
NOV '74	01	3.3	18.2	64.8	9.00	7.43	MAY '75				01	3.3	18.2	64.8	9.00	7.43			
	02	6.6	18.0	64.4	5.20	7.47		JUNE '75			02	6.6	18.0	64.4	5.20	7.47			
	03	9.8	17.7	63.9	8.70	7.40			JUNE '75		03	9.8	17.7	63.9	8.70	7.40			
	00	0.0	17.4	63.3	6.10	7.85				JULY '75	00	0.0	17.4	63.3	6.10	7.85			
DEC '74	01	3.3	17.6	63.7	5.80	7.90	JULY '75				01	3.3	17.6	63.7	5.80	7.90			
	02	6.6	16.5	61.7	7.40	7.99		AUG '75			02	6.6	16.5	61.7	7.40	7.99			
	03	9.8	15.6	60.1	6.70	7.93			AUG '75		03	9.8	15.6	60.1	6.70	7.93			
	04	13.1	15.4	59.7	6.60	7.91				SEPT '75	04	13.1	15.4	59.7	6.60	7.91			

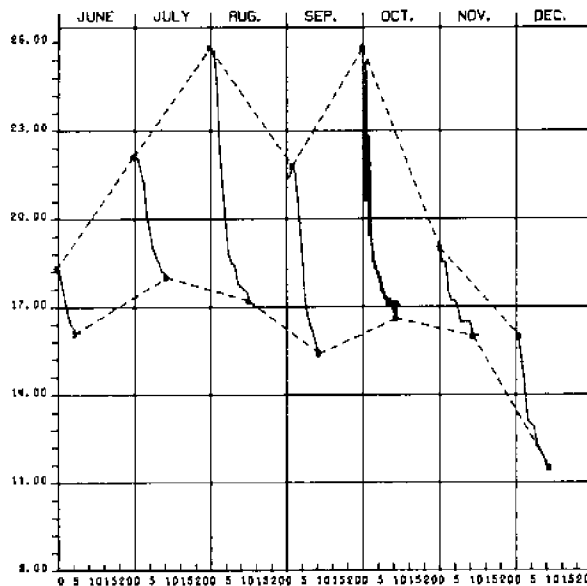
ALLAN HANCOCK FOUNDATION

PHYSICAL DATA REPORT

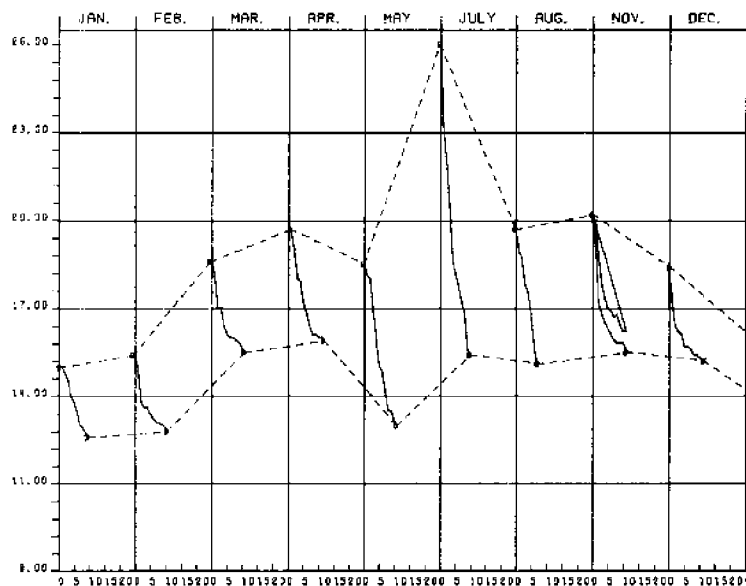
STATION: A7 SEWER OUTFALL
 LATITUDE 033:44:12 N LONGITUDE 118:15:26 W

RECORDING DATE	DEPTH - METERS	FEET	TEMPERATURE C	F	SALINITY PPT	DIS OXG PPM	PH	ION CONC
OCT '73	00	0.0	18.0	64.4	32.40	5.70	7.81	
	01	3.3	17.4	63.3	33.30	6.00	7.90	
	02	6.6	17.2	63.0	33.30	6.00	7.86	
	03	9.8	17.2	63.0	33.30	5.60	7.86	
NOV '73	00	0.0	17.8	64.0	32.50	5.60	7.94	
	01	3.3	16.8	62.2	33.20	6.40	8.18	
	02	6.6	16.4	61.5	33.40	5.40	7.98	
	03	9.8	16.3	61.3	33.40	5.00	7.60	

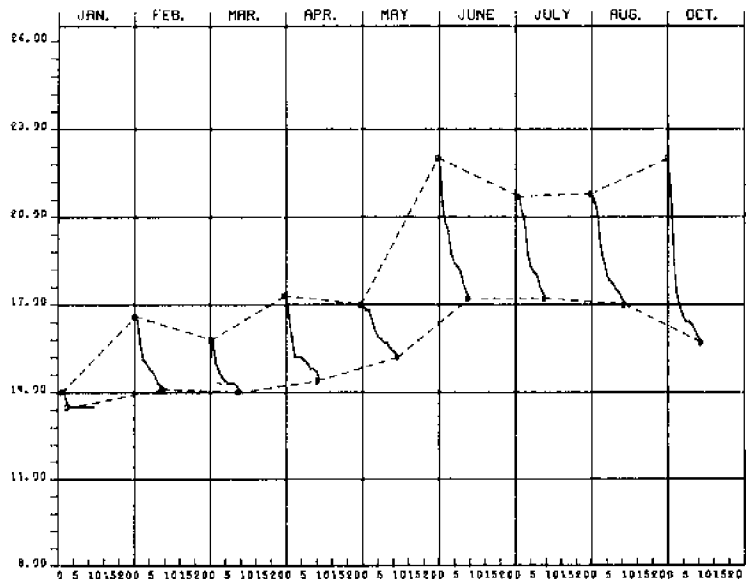
1971 TEMPERATURE DATA
 STATION: 08 WEST BASIN (71-72)
 DATA: DEPTH METERS / TEMP CELSIUS



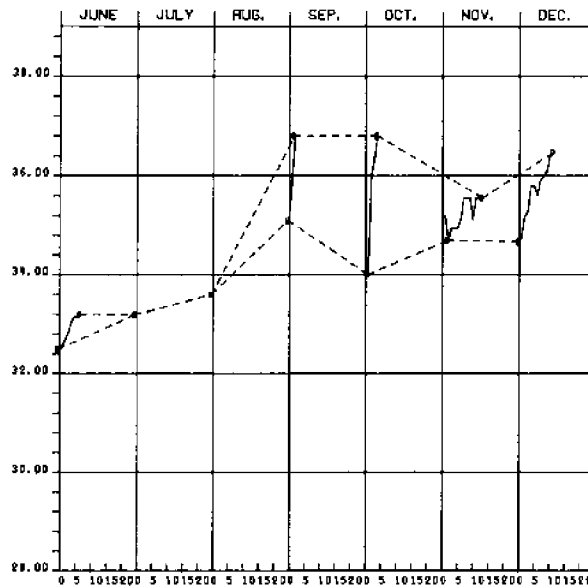
1972 TEMPERATURE DATA
 STATION: 08 WEST BASIN (71-72)
 DATA: DEPTH METERS / TEMP CELSIUS



1973 TEMPERATURE DATA
 STATION: WEST BASIN
 DATA: DEPTH METERS / TEMP CELSIUS

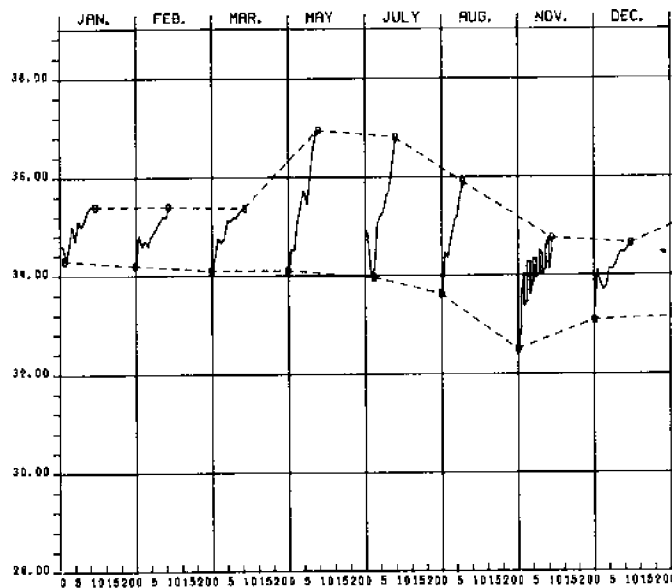


1971 SALINITY DATA
STATION: 08 WEST BASIN (71-72)
DATA: DEPTH METERS / SAL PPT

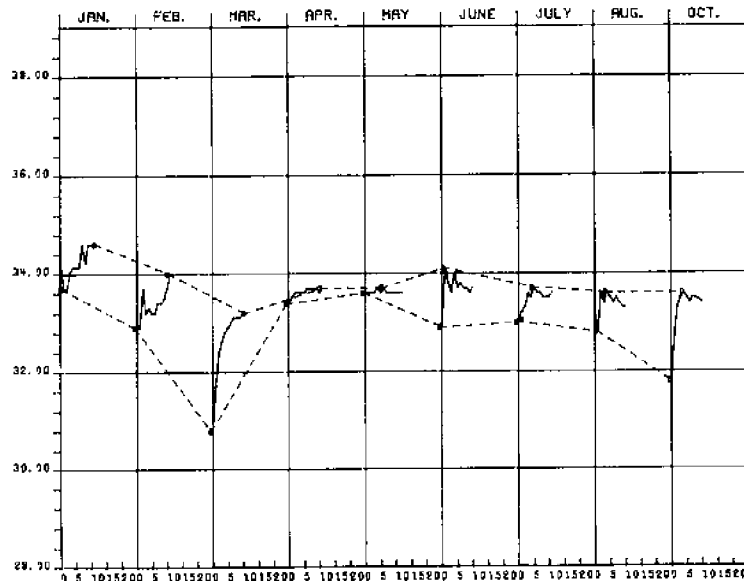


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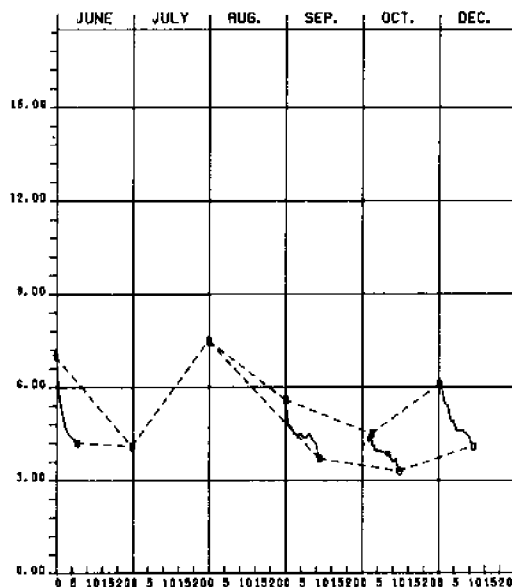
1972 SALINITY DATA
STATION: 08 WEST BASIN (71-72)
DATA: DEPTH METERS / SAL PPT



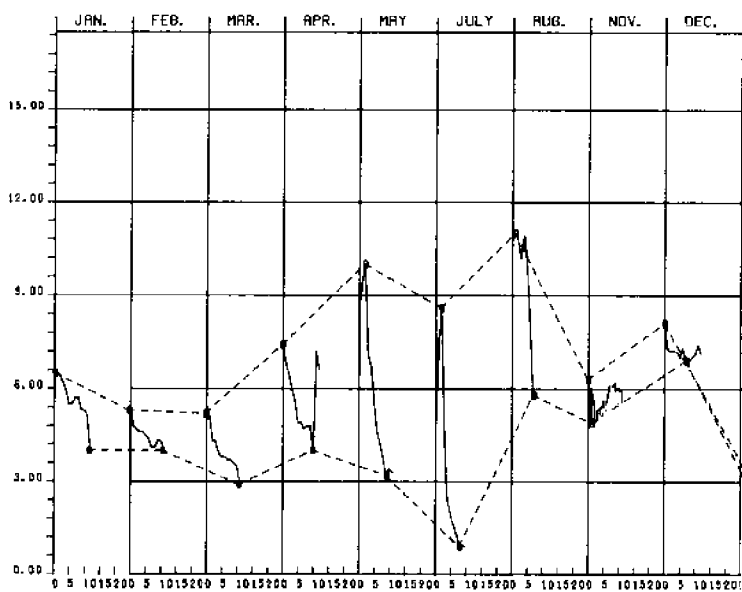
1973 SALINITY DATA
STATION: WEST BASIN
DATA: DEPTH METERS / SAL PPT



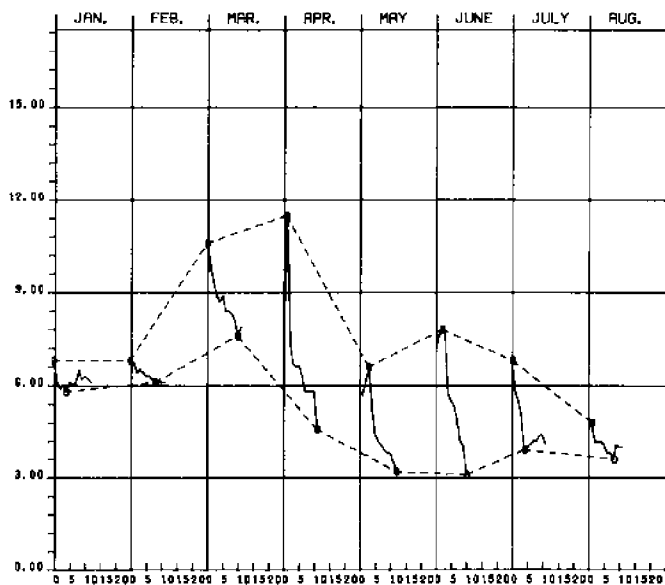
1971 DISSOLVED OXYGEN
STATION: 08 WEST BASIN (71-72)
DATA: DEPTH METERS / DIS OXG PPM



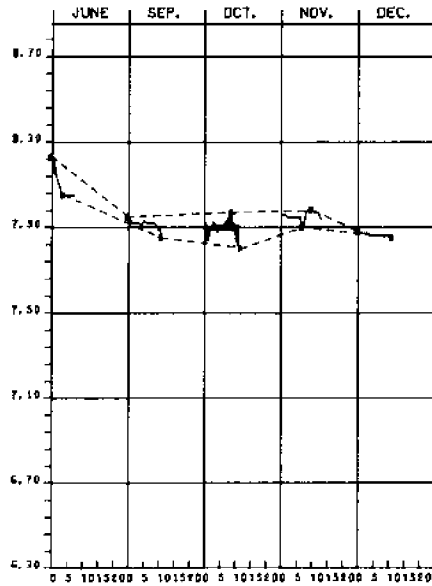
1972 DISSOLVED OXYGEN
STATION: 08 WEST BASIN (71-72)
DATA: DEPTH METERS / DIS OXG PPM



1973 DISSOLVED OXYGEN
STATION: 08 WEST BASIN
DATA: DEPTH METERS / DIS OXG PPM

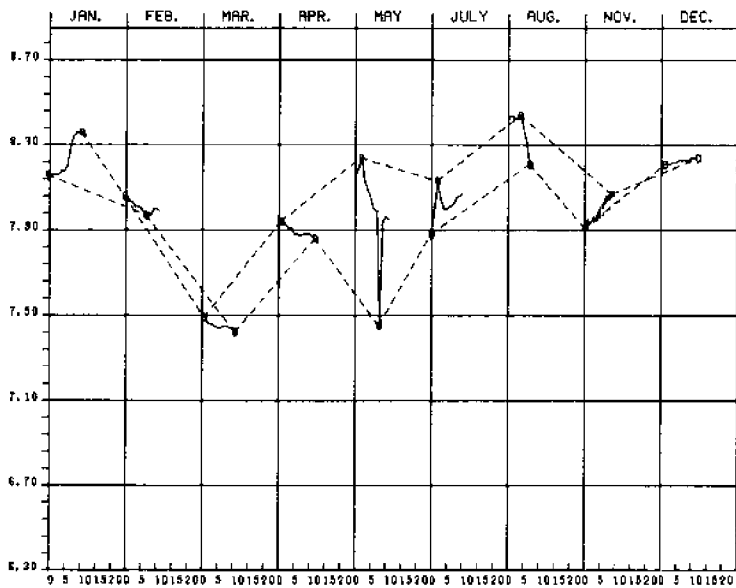


1971 PH DATA
 STATION: 08 WEST BASIN (71-72)
 DATA: DEPTH METERS / PH H ION CONC

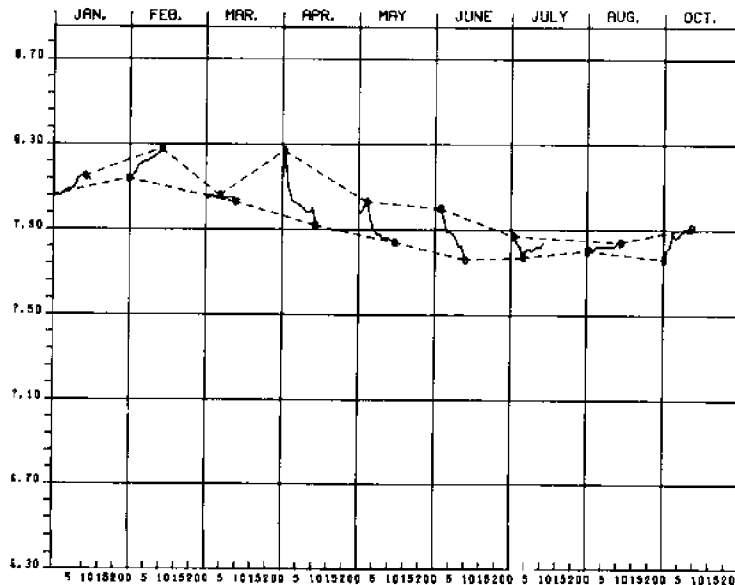


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1972 PH DATA
 STATION: 08 WEST BASIN (71-72)
 DATA: DEPTH METERS / PH H ION CONC



1973 PH DATA
 STATION: WEST BASIN
 DATA: DEPTH METERS / PH H ION CONC



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PHYSICAL DATA REPORT

PHYSICAL DATA REPORT

STATION: 08 WEST BASIN (71-72)
 LATITUDE 033:46:00 N LONGITUDE 118:16:14 W

STATION: 08 WEST BASIN (71-72)
 LATITUDE 033:46:00 N LONGITUDE 118:16:14 W

RECORDING DATE	- DEPTH - METERS	TEMPERATURE C	SALINITY PPT	DIS CXG PPM	PM H ION CONC
JUNE '71	00	0.0	18.3	64.9	32.50
	01	3.3	17.8	64.0	32.60
	03	5.8	16.8	62.2	32.90
	04	13.1	16.4	61.5	33.10
	06	19.7	16.1	61.0	33.20
	07	23.0	16.1	61.0	33.20
	07	23.0	16.1	61.0	33.20
JULY '71	00	0.0	22.1	71.8	33.20
	01	3.3	22.0	71.6	
	03	9.8	21.2	70.2	
	04	13.1	20.1	68.2	
	06	19.7	19.0	66.2	
	07	23.0	18.7	65.7	
	09	29.5	18.2	64.8	
AUG '71	10	32.8	18.1	64.6	
	11	36.1	18.0	64.4	
	00	0.0	25.8	78.4	33.60
	01	3.3	25.7	78.3	
	02	6.6	24.6	76.3	
	03	9.8	22.4	72.3	
	04	13.1	21.1	70.0	
	05	16.4	19.8	67.6	
	06	19.7	18.8	65.8	
	07	23.0	18.5	65.3	
	08	26.2	18.4	65.1	
	09	29.5	17.8	64.0	
	10	32.8	17.7	63.9	
	11	36.1	17.6	63.7	
	12	39.4	17.5	63.5	
	13	42.6	17.2	63.0	

RECORDING DATE	- DEPTH - METERS	TEMPERATURE C	SALINITY PPT	DIS CXG PPM	PM H ION CONC
SEPT '71	00	0.0	21.5	70.7	35.10
	01	3.3	21.4	70.5	35.50
	02	6.6	21.6	71.2	36.80
	03	9.8	21.5	70.7	
	04	13.1	20.4	68.7	
	05	16.4	19.0	66.2	
	06	19.7	17.4	63.3	
	07	23.0	16.7	62.1	
	08	26.2	16.3	61.3	
	09	29.5	16.0	60.8	
	10	32.8	15.6	60.1	
OCT '71	11	36.1	15.4	59.7	
	00	0.0	22.0	71.6	34.50
	01	3.3	20.6	69.1	34.00
	02	6.6	19.4	66.9	36.00
	03	9.8	18.5	65.3	36.40
	04	13.1	18.3	64.9	36.80
	05	16.4	18.0	64.4	
	06	19.7	17.5	63.5	
	07	23.0	17.3	63.1	
	08	26.2	17.0	62.6	
	09	29.5	17.0	62.6	
	10	32.8	16.8	62.2	
	11	36.1	16.6	61.9	
	12	39.4	17.0	62.6	
	00	0.0	22.0	71.6	34.50
	01	3.3	20.6	69.1	34.00
	02	6.6	19.4	66.9	36.00
	03	9.8	18.5	65.3	36.40
	04	13.1	18.3	64.9	36.80
	05	16.4	18.0	64.4	
	06	19.7	17.5	63.5	
	07	23.0	17.3	63.1	
	08	26.2	17.0	62.6	
	09	29.5	17.0	62.6	
	10	32.8	16.8	62.2	
	11	36.1	16.6	61.9	
	12	39.4	17.0	62.6	

ALLAN HANCOCK FOUNDATION

PHYSICAL DATA REPORT

STATION: 08 WEST BASIN (71-72)
 LATITUDE 033:46:00 N LONGITUDE 118:16:14 W
 RECORDING DATE - DEPTH - TEMPERATURE SALINITY DIS CXG PH
 METERS FEET F PPI REM H ION CONC

NOV '71	00	0.0	19.0	66.2	35.11	7.96
	01	3.3	18.5	65.3	35.20	7.96
	02	6.6	18.5	65.3	34.69	7.95
	03	9.8	17.5	63.5	34.94	7.95
	04	13.1	17.2	63.0	34.94	7.95
	05	16.4	17.2	63.0	34.94	7.95
	06	19.7	17.0	62.6	35.11	7.95
	07	23.0	16.5	61.7	35.55	7.90
	08	26.2	16.5	61.7	35.55	7.97
	09	29.5	16.5	61.7	35.55	7.98
	10	32.8	16.5	61.7	35.11	7.98
	11	36.1	16.0	60.8	35.55	7.97
	12	39.4	16.0	60.8	35.55	7.97
	13	42.6	16.0	60.8	35.55	7.94
DEC '71	00	0.0	15.9	60.6	34.66	7.88
	01	3.3	16.0	60.8	34.75	7.87
	02	6.6	15.1	59.2	35.19	7.87
	03	9.8	14.3	57.7	35.28	7.87
	04	13.1	13.1	55.6	35.81	7.86
	05	16.4	13.0	55.4	35.81	7.86
	06	19.7	12.9	55.2	35.61	7.86
	07	23.0	12.3	54.1	35.90	7.86
	08	26.2	12.1	53.8	35.99	7.86
	09	29.5	11.9	53.4	36.08	7.86
	10	32.8	11.6	52.9	36.37	7.86
	11	36.1	11.5	52.7	36.47	7.85

ALLAN HANCOCK FOUNDATION

PHYSICAL DATA REPORT

STATION: 08 WEST BASIN (71-72)
 LATITUDE 033:46:00 N LONGITUDE 118:16:14 W
 RECORDING DATE - DEPTH - TEMPERATURE SALINITY DIS CXG PH
 METERS FEET F PPI REM H ION CONC

JAN '72	00	0.0	15.0	59.0	34.60	8.16
	01	3.3	15.0	59.0	34.60	8.16
	02	6.6	14.8	58.6	34.30	8.16
	03	9.8	14.5	58.1	34.60	8.16
	04	13.1	14.0	57.2	35.00	8.18
	05	16.4	13.8	56.8	34.70	8.18
	06	19.7	13.4	56.1	35.10	8.20
	07	23.0	13.0	55.4	35.00	8.30
	08	26.2	12.9	55.2	35.10	8.34
	09	29.5	12.7	54.9	35.30	8.36
	10	32.8	12.6	54.7	35.40	8.36
	11	36.1	12.6	54.7	35.40	8.34
	12	39.4	12.6	54.7	35.40	8.34
FEB '72	00	0.0	15.4	59.7	34.20	8.06
	01	3.3	15.0	59.0	34.80	8.04
	02	6.6	13.8	56.8	34.60	8.03
	03	9.8	13.6	56.5	34.70	8.01
	04	13.1	13.6	56.5	34.60	8.01
	05	16.4	13.4	56.1	34.80	8.00
	06	19.7	13.2	55.8	34.90	7.98
	07	23.0	13.1	55.6	35.00	7.97
	08	26.2	13.1	55.6	35.10	7.97
	09	29.5	13.0	55.4	35.20	8.00
	10	32.8	12.9	55.2	35.20	8.00
	11	36.1	12.8	55.0	35.40	7.99
MAR '72	00	0.0	18.6	65.5	34.10	7.49
	01	3.3	18.2	64.8	34.35	7.49
	02	6.6	17.0	62.6	34.76	7.46
	03	9.8	17.0	62.6	34.67	7.46
	04	13.1	16.4	61.5	34.75	7.45
	05	16.4	16.1	61.0	35.10	7.44
	06	19.7	16.0	60.8	35.10	7.44
	07	23.0	16.0	60.8	35.19	7.45
	08	26.2	15.9	60.6	35.19	7.45
	09	29.5	15.8	60.4	35.26	7.44
	10	32.8	15.6	60.1	35.37	7.44
	11	36.1	15.5	59.9	35.37	7.42

ALLAN HANCOCK FOUNDATION

PHYSICAL DATA REPORT

STATION: 08 WEST BASIN (71-72) LONGITUDE 118:16:14 W
 LATITUDE 033:46:00 N

RECORDING DATE	DEPTH - METERS	DEPTH - FEET	TEMPERATURE C	TEMPERATURE F	SALINITY PPT	DISTANCE DIX	PH H-ION CONC
APR '72	00	0.0	19.7	67.5		7.40	7.93
	01	3.3	19.7	67.5		6.80	7.94
	02	6.6	19.0	66.2		6.50	7.93
	03	9.8	18.0	64.4		6.00	7.91
	04	13.1	17.9	64.2		5.60	7.91
	05	16.4	17.2	63.0		4.90	7.88
	06	19.7	16.8	62.2		4.90	7.89
	07	23.0	16.4	61.5		4.70	7.87
	08	26.2	16.1	61.0		4.80	7.88
	09	29.5	16.1	61.0		4.80	7.88
	10	32.8	16.0	60.8		4.60	7.88
	11	36.1	16.0	60.8		7.20	7.87
	12	39.4	15.9	60.6		6.60	7.86
MAY '72	00	0.0	18.5	65.3		8.45	8.15
	01	3.3	18.1	64.6		8.50	8.20
	02	6.6	18.0	64.4		10.00	8.24
	03	9.8	16.9	62.4		7.10	8.13
	04	13.1	15.9	60.6		6.70	8.09
	05	16.4	15.0	59.0		5.60	8.05
	06	19.7	14.8	58.6		4.60	8.00
	07	23.0	14.1	57.4		4.20	7.99
	08	26.2	13.5	56.3		3.70	7.95
	09	29.5	13.5	56.3		3.20	7.94
	10	32.8	13.1	55.6		3.40	7.96
	11	36.1	13.0	55.4		3.30	7.95
JULY '72	00	0.0	26.0	78.8		4.30	7.88
	01	3.3	23.3	73.9		7.40	8.01
	02	6.6	22.2	72.0		8.60	8.13
	03	9.8	20.6	69.1		33.96	8.05
	04	13.1	18.7	65.7		35.03	8.00
	05	16.4	18.2	64.6		35.20	8.00
	06	19.7	17.8	64.0		35.28	8.01
	07	23.0	17.2	63.0		35.63	8.02
	08	26.2	16.9	62.4		35.72	8.05
	09	29.5	15.6	60.1		6.90	8.06
	10	32.8	15.4	59.7		0.90	8.07

ALLAN HANCOCK FOUNDATION

PHYSICAL DATA REPORT

STATION: 08 WEST BASIN (71-72) LONGITUDE 118:16:14 W
 LATITUDE 033:46:00 N

RECORDING DATE	DEPTH - METERS	DEPTH - FEET	TEMPERATURE C	TEMPERATURE F	SALINITY PPT	DISTANCE DIX	PH H-ION CONC
AUG '72	00	0.0	19.7	67.5		23.63	10.80
	01	3.3	18.9	66.0		34.44	11.00
	02	6.6	18.7	65.7		34.36	10.80
	03	9.8	17.8	64.0		34.77	10.20
	04	13.1	17.5	63.5		35.11	10.90
	05	16.4	16.8	62.2		35.20	9.90
	06	19.7	15.6	60.1		35.64	8.05
	07	23.0	15.1	59.2		35.91	5.80
NOV '72	00	0.0	20.0	68.0		33.63	4.30
	01	3.3	20.2	68.4		32.50	5.20
	02	6.6	19.1	66.4		32.95	4.50
	03	9.8	20.0	68.0		33.63	6.00
	04	13.1	18.8	65.8		34.02	5.50
	05	16.4	17.2	63.0		33.39	4.90
	06	19.7	16.8	62.2		33.46	5.00
	07	23.0	17.9	64.2		34.26	5.30
	08	26.2	17.3	63.1		34.25	5.40
	09	29.5	16.5	61.7		33.62	5.20
	10	32.8	16.3	61.3		33.88	5.60
	11	36.1	16.4	61.3		34.33	5.20
	12	39.4	16.9	62.4		34.33	5.00
	13	42.7	16.1	61.0		33.96	5.50
	14	46.0	15.9	60.6		34.04	6.10
	15	49.3	16.7	62.1		34.50	5.00
	16	52.6	16.8	62.2		34.41	4.50
	17	55.9	15.8	60.4		34.04	6.10
	18	59.2	15.8	60.4		34.13	6.20
	19	62.5	16.4	61.5		34.58	4.90
	20	65.8	16.2	61.2		34.76	4.90
	21	69.1	15.8	60.4		34.13	6.00
	22	72.4	15.5	59.9		34.47	5.90
	23	75.7	16.2	61.2		34.76	5.20

ALLAN HANCOCK FOUNDATION

PHYSICAL DATA REPORT

STATION: 08 WEST BASIN (71-72)
 LATITUDE 033:46:00 N LONGITUDE 118:16:14 W

RECORDING DATE	- DEPTH - METERS	TEMPERATURE C	SALINITY PPT	DISTANCE PPM	PH
DEC '72	00	18.4	33.09	8.10	8.22
	01	17.2	34.08	7.30	8.21
	02	16.4	33.88	7.20	8.21
	03	16.2	33.70	7.20	8.21
	04	16.1	33.78	7.20	8.22
	05	16.4	34.12	7.00	8.22
	06	15.7	34.12	7.30	8.23
	07	15.6	34.21	6.90	8.23
	08	15.4	34.38	6.50	8.23
	09	15.4	34.47	7.00	8.23
	10	15.3	34.47	7.10	8.24
	11	15.2	34.56	7.40	8.24
	12	15.3	34.65	7.10	8.24
JAN '73	00	16.0	33.25	3.00	8.25
	01	16.1	33.16	3.50	8.25
	02	15.9	33.86	3.00	8.25
	03	15.1	34.55	3.00	8.25
	04	14.9	34.37	3.00	8.25
	05	14.7	34.54	3.10	8.25
	06	14.1	34.85	2.20	8.25
	07	14.1	34.80	2.50	8.25
	08	14.0	34.80	2.40	8.25
	09	13.9	34.89	2.50	8.25
	10	13.9	34.89	2.40	8.25
	11	13.6	34.97	2.50	8.25
	12	13.5	35.06	2.70	8.25
	13	13.3	35.34	2.70	8.25

ALLAN HANCOCK FOUNDATION

PHYSICAL DATA REPORT

STATION: WEST BASIN
 LATITUDE 033:46:00 N LONGITUDE 118:16:14 W

RECORDING DATE	- DEPTH - METERS	TEMPERATURE C	SALINITY PPT	DISTANCE PPM	PH
JAN '73	00	14.0	34.15	6.80	8.06
	01	14.0	33.65	6.00	8.06
	02	14.0	33.69	6.50	8.06
	03	13.6	34.04	6.00	8.07
	04	13.1	34.13	5.80	8.08
	05	13.5	34.12	6.10	8.09
	06	13.5	34.13	6.05	8.09
	07	13.5	34.60	6.10	8.10
	08	13.5	34.22	6.50	8.14
	09	13.5	34.60	6.20	8.15
	10	13.8	34.60	6.30	8.15
	11	13.5	34.60	6.20	8.15
	12	13.5	34.60	6.10	8.13
FEB '73	00	14.6	32.90	6.80	8.14
	01	14.6	32.90	6.70	8.14
	02	15.7	33.70	6.40	8.17
	03	15.1	33.20	6.50	8.20
	04	15.0	33.30	6.40	8.21
	05	14.8	33.20	6.30	8.22
	06	14.7	33.20	6.30	8.22
	07	14.5	33.40	6.20	8.23
	08	14.3	33.40	6.10	8.24
	09	14.2	33.50	6.10	8.25
	10	14.1	33.70	6.10	8.26
	11	14.1	34.00	6.10	8.28
MAR '73	00	15.0	30.80	10.60	8.04
	01	15.8	31.70	9.80	8.05
	02	15.0	32.40	9.30	8.06
	03	14.7	32.60	8.90	8.05
	04	14.5	32.80	8.70	8.05
	05	14.4	32.90	8.50	8.06
	06	14.3	33.00	8.40	8.04
	07	14.3	33.10	8.40	8.05
	08	14.3	33.10	8.30	8.05
	09	14.2	33.10	8.10	8.05
	10	14.0	33.20	7.60	8.03
	11	14.0	33.20	7.90	8.04

ALLAN HANCOCK FOUNDATION

PHYSICAL DATA REPORT

STATION:		WEST BASIN		LONGITUDE		118:16:14 W		PH	
LATITUDE		033:46:00 N		033:46:00 N		033:46:00 N		033:46:00 N	
RECORDING	- DEPTH -	TEMPERATURE	SALINITY	DIS OXG	PPM	PER	PER	PER	PER
DATE	METERS	FEET	PPT						
APR '73	00	0.0	17.3	63.1	33.40	7.80	8.11	7.80	8.11
	01	3.3	16.6	61.9	33.50	11.50	8.27	8.27	8.27
	02	6.6	15.9	60.6	33.60	7.40	8.10	8.10	8.10
	03	9.8	15.2	59.4	33.60	6.70	8.04	8.04	8.04
	04	13.1	15.2	59.4	33.60	6.60	8.03	8.03	8.03
	05	16.4	15.2	59.4	33.60	6.60	8.02	8.02	8.02
	06	19.7	15.1	59.2	33.70	6.30	8.01	8.01	8.01
	07	23.0	15.0	59.0	33.70	5.80	8.00	8.00	8.00
	08	26.2	14.8	58.6	33.70	5.80	7.98	7.98	7.98
	09	29.5	14.8	58.6	33.70	5.80	7.98	7.98	7.98
	10	32.8	14.7	58.5	33.60	5.80	8.00	8.00	8.00
	11	36.1	14.4	57.9	33.70	4.60	7.92	7.92	7.92
MAY '73	00	0.0	17.0	62.6	33.60	5.80	7.98	7.98	7.98
	01	3.3	16.8	62.2	33.60	5.70	7.98	7.98	7.98
	02	6.6	16.8	62.2	33.60	6.20	8.01	8.01	8.01
	03	9.8	16.5	61.7	33.60	6.60	8.03	8.03	8.03
	04	13.1	16.1	61.0	33.70	5.30	7.95	7.95	7.95
	05	16.4	15.9	60.6	33.60	4.40	7.90	7.90	7.90
	06	19.7	15.6	60.4	33.70	4.20	7.88	7.88	7.88
	07	23.0	15.7	60.3	33.60	4.10	7.88	7.88	7.88
	08	26.2	15.7	60.3	33.60	3.90	7.86	7.86	7.86
	09	29.5	15.5	59.9	33.60	3.80	7.86	7.86	7.86
	10	32.8	15.4	59.7	33.60	3.80	7.86	7.86	7.86
	11	36.1	15.3	59.5	33.60	3.50	7.85	7.85	7.85
	12	39.4	15.2	59.4	33.60	3.20	7.84	7.84	7.84
JUNE '73	00	0.0	22.0	71.6	32.90	7.10	7.94	7.94	7.94
	01	3.3	20.5	68.9	34.10	7.60	7.95	7.95	7.95
	02	6.6	19.8	67.6	33.80	7.80	8.00	8.00	8.00
	03	9.8	19.5	67.1	33.60	7.70	7.95	7.95	7.95
	04	13.1	18.7	65.7	34.00	5.70	7.89	7.89	7.89
	05	16.4	18.4	65.1	33.70	5.50	7.89	7.89	7.89
	06	19.7	18.3	64.9	33.80	5.30	7.88	7.88	7.88
	07	23.0	18.1	64.6	33.70	4.90	7.86	7.86	7.86
	08	26.2	17.7	63.9	33.70	4.20	7.82	7.82	7.82
	09	29.5	17.4	63.3	33.60	4.00	7.82	7.82	7.82
	10	32.8	17.2	63.0	33.70	3.10	7.76	7.76	7.76

ALLAN HANCOCK FOUNDATION

PHYSICAL DATA REPORT

STATION:		WEST BASIN		LONGITUDE		118:16:14 W		PH	
LATITUDE		033:46:00 N		033:46:00 N		033:46:00 N		033:46:00 N	
RECORDING	- DEPTH -	TEMPERATURE	SALINITY	DIS OXG	PPM	PER	PER	PER	PER
DATE	METERS	FEET	PPT						
JULY '73	00	0.0	20.7	69.3	33.00	6.80	7.85	7.85	7.85
	01	3.3	20.7	69.3	33.20	5.80	7.87	7.87	7.87
	02	6.6	20.2	68.4	33.30	5.50	7.84	7.84	7.84
	03	9.8	19.9	67.8	33.60	5.00	7.82	7.82	7.82
	04	13.1	18.7	65.7	33.50	3.90	7.77	7.77	7.77
	05	16.4	18.3	64.9	33.70	4.00	7.80	7.80	7.80
	06	19.7	18.1	64.6	33.60	4.10	7.81	7.81	7.81
	07	23.0	18.0	64.4	33.60	4.20	7.80	7.80	7.80
	08	26.2	17.6	63.7	33.50	4.20	7.81	7.81	7.81
	09	29.5	17.4	63.2	33.50	4.40	7.82	7.82	7.82
	10	32.8	17.2	63.0	33.50	4.40	7.82	7.82	7.82
	11	36.1	17.2	63.0	33.60	4.10	7.84	7.84	7.84
AUG '73	00	0.0	20.8	69.4	33.20	4.60	7.80	7.80	7.80
	01	3.3	20.5	68.9	32.80	4.60	7.82	7.82	7.82
	02	6.6	20.1	68.2	33.60	4.20	7.80	7.80	7.80
	03	9.8	19.0	66.2	33.40	4.20	7.82	7.82	7.82
	04	13.1	18.5	65.3	33.60	4.20	7.82	7.82	7.82
	05	16.4	18.0	64.4	33.50	4.10	7.82	7.82	7.82
	06	19.7	17.8	64.0	33.40	3.80	7.82	7.82	7.82
	07	23.0	17.7	63.9	33.50	3.80	7.82	7.82	7.82
	08	26.2	17.5	63.5	33.40	3.60	7.82	7.82	7.82
	09	29.5	17.4	63.3	33.30	4.10	7.82	7.82	7.82
	10	32.8	17.2	63.0	33.30	4.00	7.84	7.84	7.84
	11	36.1	17.0	62.6	33.30	4.00	7.84	7.84	7.84
OCT '73	00	0.0	22.0	71.6	31.80	7.76	7.76	7.76	7.76
	01	3.3	20.8	69.4	32.70	7.80	7.80	7.80	7.80
	02	6.6	18.5	65.3	33.30	7.82	7.82	7.82	7.82
	03	9.8	17.4	63.3	33.50	7.88	7.88	7.88	7.88
	04	13.1	16.9	62.4	33.60	7.86	7.86	7.86	7.86
	05	16.4	16.6	61.9	33.50	7.87	7.87	7.87	7.87
	06	19.7	16.4	61.5	33.40	7.89	7.89	7.89	7.89
	07	23.0	16.4	61.5	33.50	7.90	7.90	7.90	7.90
	08	26.2	16.3	61.3	33.50	7.89	7.89	7.89	7.89
	09	29.5	16.1	61.0	33.45	7.91	7.91	7.91	7.91
	10	32.8	15.9	60.6	33.40	7.90	7.90	7.90	7.90
	11	36.1	15.7	60.3	33.40	7.90	7.90	7.90	7.90

