

OCEANOGRAPHICAL STATION LIST

Volume 53

Coastal Hydrological Investigations
in the New South Wales Tuna Fishing Area, 1963

Compiled by A. D. Crooks



Division of Fisheries and Oceanography

Commonwealth Scientific and Industrial

Research Organization, Australia

Melbourne 1963

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COASTAL HYDROLOGICAL INVESTIGATIONS IN THE NEW SOUTH WALES TUNA FISHING AREA, 1960

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I. INTRODUCTION

The data presented in this volume were obtained from routine cruises by the Division's F.R.V. Marelda, based at Eden, and F.R.V. Derwent Hunter, based at Sydney. The hydrological work formed part of the southern bluefin tuna programme.

Sea-water samples were collected at stations on four lines (Fig. 1) from Jervis Bay, Bateman Bay, Bermagui, and Eden.

II. METHODS AND UNITS

Hydrology

The methods and units used are those described in C.S.I.R.O. Aust. (1961).

Zooplankton

The sampler used to collect zooplankton was a modified Clarke-Bumpus unit, fitted with a flowmeter and using nets of nylon No. 4 mesh (62 meshes per inch).

III. PERSONNEL

The sampling was done aboard F.R.V. Marelda by Mr R. Greig, and aboard F.R.V. Derwent Hunter by Messrs Bradley, Brown, Dyson, Janovsky, Odell, Staniforth, and Wootton. The laboratory analysis were carried out at Cronulla by Messrs Dal Pont, Davies, Prothero, Staniforth, and Walker. Mrs Derrick, Mrs Tarbett, Mrs Wood and Misses Johnston, Lalor, and Wanstall processed the data under the direction of Mr A.D. Crooks.

IV. REFERENCE

C.S.I.R.O. Aust. (1961).- Coastal hydrological investigations in the New South Wales tuna fishing area, 1959. C.S.I.R.O. Aust. Oceanogr. Sta. List 46.

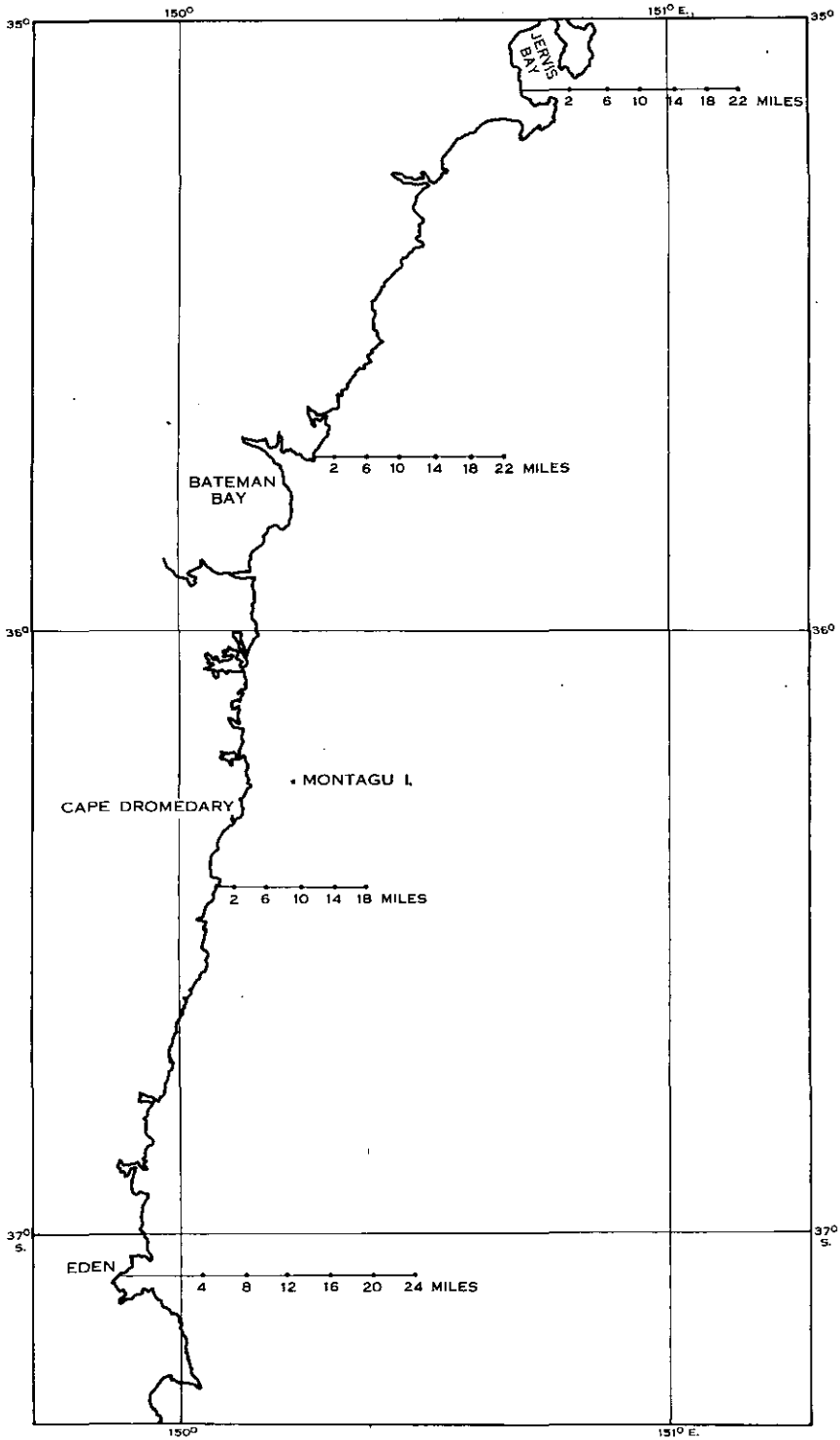


Fig. 1.—Positions of stations on Jarvis Bay, Bateman Bay, Bermagui, and Eden traverses.

DATA

PART 1

HYDROLOGY

DATA SHEETS

Part 1 Hydrology

A blank in the Depth column indicates 0 m, a blank in any other column indicates either that no analysis was done or that the values were rejected. In the latter case an asterisk has been inserted. A nought indicates a zero value.

The short vertical lines below certain headings indicate the location of decimal points.

EXPLANATION OF HEADINGS

The following notes explain the headings on the data sheets.

STATION Stations are designated as follows.-

	Miles	Latitude	Longitude
Traverse 30 off BERMAGUI	2	30°25'S	150°09'E
	6	30°25'S	150°14'E
	10	30°25'S	150°19'E
	14	30°25'S	150°24'E
	18	30°25'S	150°29'E
Traverse 35 off BATEMAN BAY	2	35°50'S	150°18'E
	6	35°50'S	150°23'E
	10	35°50'S	150°28'E
	14	35°50'S	150°33'E
	18	35°50'S	150°38'E
Traverse 40 off JERVIS BAY	2	35°07'S	150°52'E
	6	35°07'S	150°57'E
	10	35°07'S	151°02'E
	14	35°07'S	151°07'E
	18	35°07'S	151°12'E
22	35°07'S	151°17'E	

Traverse 45 off EDEN	Miles	Latitude	Longitude
	4	37°04'S	150°03'E
	8	37°04'S	150°08'E
	12	37°04'S	150°13'E
	16	37°04'S	150°18'E
	20	37°04'S	150°23'E

DATE The date is shown as year, month, and
YEAR MONTH DAY day.

TIME Expressed in hours and minutes; the zone
 is always Eastern Australian Standard
 Time.

LATITUDE LONGITUDE The position of each station is given in
 degrees and minutes.

DEPTH Actual sampling depth given in m. A
 blank indicates 0 m.

TEMP. Sea temperatures are recorded in degrees
 centigrade, to 2 decimal places.

σ_t Sigma-t recorded to 2 decimal places.

O₂ Oxygen recorded in ml/l to 2 decimal
 places.

O₂
% Sat. Oxygen percentage saturation.

INORG.
P Inorganic phosphate values are given in
 μg at./l to 2 decimal places.

TOTAL
P Total phosphorus given as μg at./l to
 2 decimal places.

STATION	YEAR	MONTH	DAY	TIME	LATITUDE	LONGITUDE
30	60	02	11	545	3625 S	15009 E

DEPTH	TEMP.	Cl ‰	σ_t	O ₂	O ₂ % SAT.	INORG P	TOTAL P
10	2250	1980	2468	502	105		69
20	2240	1980	2470	507	106		53
30	2220	1979	2475	497	103		50
40	2100	1975	2503	511	104		53
50	1980	1971	2531	492	98		53
	1820	1969	2569	470	91		83

STATION	YEAR	MONTH	DAY	TIME	LATITUDE	LONGITUDE
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30 60 03 09 550 3625 S 15009 E

DEPTH	TEMP.	Cl ‰	σ _t	O ₂	O ₂ % SAT.	INORG P	TOTAL P
10	1940	1969	25380	516	102		70
20	1630	1964	26070	475	89		94
30	1470	1958	26340	448	81		
40	1300	1951	26590	463	81		81
50	1260	1948	26620	463	80		85
				463	80		94

STATION	YEAR	MONTH	DAY	TIME	LATITUDE	LONGITUDE
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30 60 04 06 615 3625 S 15009 E

DEPTH	TEMP.	Cl ‰	σ _t	O ₂	O ₂ % SAT.	INORG P	TOTAL P
10	2080	1973	25070	499	101		98
20	2060	1973	25110	503	102		53
30	2050	1973	25140	503	102		52
40	2060	1972	25100	507	103		68
50	2050	1970	25100	501	101		79
	2010	1969	25200	496	100		55

STATION	YEAR	MONTH	DAY	TIME	LATITUDE	LONGITUDE
30	60	05	04	610	3625 S	15009 E

DEPTH	TEMP.	Cl ‰	σ_t	O ₂	O ₂ % SAT.	INORG P	TOTAL P
	1775	1976	2588	498	96		62
10	1770	1976	2590	498	95		61
20	1770	1976	2590	498	95		72
30	1780	1973	2583	463	89		63
40	1770	1973	2586	504	97		62
50	1770	1973	2586	509	98		79

STATION	YEAR	MONTH	DAY	TIME	LATITUDE	LONGITUDE
30	60	05	29	915	3625 S	15009 E

DEPTH	TEMP.	Cl ‰	σ_t	O ₂	O ₂ % SAT.	INORG P	TOTAL P
	1765	1972	2585	489	94		72
10	1750	1972	2587	483	92		98
20	1675	1972	2601	477	90		85
30	1650	1963	2600	471	88		77
40	1620	1962	2606	457	85		61
50	1580	1962	2615	460	85		59

STATION	YEAR	MONTH	DAY	TIME	LATITUDE	LONGITUDE
30	60	06	23	720	3625 S	15009 E

DEPTH	TEMP.	Cl ‰	σ _t	O ₂	O ₂ % SAT.	INORG P	TOTAL P
10	1580	1968	2626	536	99		52
20	1580	1968	2626	536	99		50
30	1590	1966	2620	539	100		75
40	1520	1962	2629	536	98		59
50	1385	1958	2650	544	97		54

STATION	YEAR	MONTH	DAY	TIME	LATITUDE	LONGITUDE
30	60	07	23	835	3625 S	15009 E

DEPTH	TEMP.	Cl ‰	σ _t	O ₂	O ₂ % SAT.	INORG P	TOTAL P
10	1295	1949	2656	576	100		59
20	1290	1949	2657	576	100		71
30	1300	1949	2657	573	100		74
40	1290	1949	2655	573	100		65
50	1300	1949	2657	573	100		71
			2655	573	100		61

STATION	YEAR	MONTH	DAY	TIME	LATITUDE	LONGITUDE
30	60	02	11	604	3625 S	15014 E

DEPTH	TEMP.	Cl ‰	σ_t	O ₂	O ₂ % SAT.	INORG P	TOTAL P
	2250	1980	2468	502	105		69
10	2250	1980	2468	502	105		55
20	2230	1980	2473	507	105		45
30	2200	1978	2480	507	105		91
40	2110	1978	2505	519	106		37
50	1870	1975	2563	502	98		82
75	1590	1965	2619	448	83		87
100	1505	1961	2631	439	79		74

STATION	YEAR	MONTH	DAY	TIME	LATITUDE	LONGITUDE
30	00	03	09	645	3625 S	15014 E

DEPTH	TEMP.	Cl ‰	σ_t	O ₂	O ₂ % SAT.	INORG P	TOTAL P
	2170	1976	2485	510	105		52
10	2170	1976	2485	507	104		72
20	2170	1979	2489	510	105		52
30	1960	1972	2536	495	98		49
40	1600	1964	2615	446	83		115
50	1520	1959	2624	446	81		77
75	1260	1950		478	83		68
100	1240	1949		478	82		00

STATION	YEAR	MONTH	DAY	TIME	LATITUDE	LONGITUDE
30	60	04	06	71	3625 S	15014 E

DEPTH	TEMP.	Cl ‰	σ _t	O ₂	O ₂ % SAT.	INORG P	TOTAL P
10	2070	1977	2513	510	103		46
20	2070	1978	2515	507	103		52
30	2070	1978	2515	503	102		43
40	2070	1977	2513	505	102		50
50	2070	1977	2513	501	102		59
75	1720	1961	2501	441	84		90
100	1550	1955	2612	437	80		90

STATION	YEAR	MONTH	DAY	TIME	LATITUDE	LONGITUDE
30	60	05	04	715	3625 S	15014 E

DEPTH	TEMP.	Cl ‰	σ _t	O ₂	O ₂ % SAT.	INORG P	TOTAL P
10	1780	1975	2586	542	104		68
20	1790	1975	2583	506	97		58
30	1780	1975	2586	506	97		55
40	1780	1975	2586	504	97		45
50	1790	1975	2583	506	97		50
75	1785	1975	2584	506	97		57
100	1780	1975	2586	493	95		55

STATION	YEAR	MONTH	DAY	TIME	LATITUDE	LONGITUDE
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30 60 05 29 1010 3625 S 15014 E

DEPTH	TEMP.	Cl ‰	σ _t	O ₂	O ₂ % SAT.	INORG P	TOTAL P
	1830	1972	2569	503	98		65
10	1810	1972	2574	500	97		59
20	1770	1968	2580	477	92		67
30	1720	1965	2586	466	89		76
40	1640	1960	2600	474	88		67
50	1620	1960	2604	474	88		68
75	1590	1962	2613	483	89		168
100	1400	1950	2636	486	87		90

STATION	YEAR	MONTH	DAY	TIME	LATITUDE	LONGITUDE
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30 60 06 23 810 3625 S 15014 E

DEPTH	TEMP.	Cl ‰	σ _t	O ₂	O ₂ % SAT.	INORG P	TOTAL P
	1610	1969	2620	539	100		53
10	1610	1969	2620	530	99		48
20	1610	1969	2620	533	99		52
30	1605	1968	2620	536	100		61
40	1610	1968	2620	533	99		65
50	1610	1967	2619	558	104		49
75	1500	1957	2627	525	95		55
100	1355	1950	2645	514	91		74

STATION	YEAR	MONTH	DAY	TIME	LATITUDE	LONGITUDE
30	60	07	23	93	3625 S	15014 E

DEPTH	TEMP.	Cl ‰	σ _t	O ₂	O ₂ % SAT.	INORG P	TOTAL P
10	1350	1959	2660	570	101		53
20	1345	1959	2660	563	99		66
30	1340	1959	2661	567	100		55
40	1340	1959	2661	567	100		58
50	1345	1959	2660	565	100		77
75	0000	1959	2661	563			77
100	1340	1959	2661	570	101		59
							66

STATION	YEAR	MONTH	DAY	TIME	LATITUDE	LONGITUDE
30	60	02	11	90	3625 S	15019 E

DEPTH	TEMP.	Cl ‰	σ _t	O ₂	O ₂ % SAT.	INORG P	TOTAL P
25	2260	1980	2465	507	106		35
50	2260	1980	2465	507	106		60
75	1690	1975	2571	457	89		107
100	1590	1970	2602	452	85		103
125	1460	1965	2619	452	84		136
150	1380	1959	2637	445	80		122
		1957	2651	460	82		146

STATION	YEAR	MONTH	DAY	TIME	LATITUDE	LONGITUDE
30	60	03	09	835	3625 S	15019 E

DEPTH	TEMP.	Cl ‰	σ_t	O ₂	O ₂ % SAT.	INORG P	TOTAL P
	2190	1977	2480	507	105		36
25	2180	1980	2487	510	105		52
50	1810	1976	2579	466	90		77
75	1615	1963	2610	417	78		126
100	1450	1955	2632	417	75		133
125	1380	1954	2646	429	76		134
150	1210	1946	2670	484	83		141

STATION	YEAR	MONTH	DAY	TIME	LATITUDE	LONGITUDE
30	60	04	06	845	3625 S	15019 E

DEPTH	TEMP.	Cl ‰	σ_t	O ₂	O ₂ % SAT.	INORG P	TOTAL P
	2060	1978	2518	510	103		52
25	2060	1978	2518	510	103		50
50	2055	1978	2519	503	102		120
75	1840	1966	2559	464	90		97
100	1720	1961	2582	434	82		85
125	1580	1956	2608	442	82		86
150	1475	1954	2627	438	79		90

STATION	YEAR	MONTH	DAY	TIME	LATITUDE	LONGITUDE
30	60	05	04	910	3625 S	15019 E

DEPTH	TEMP.	Cl ‰	σ _t	O ₂	O ₂ % SAT.	INORG P	TOTAL P
25	1820	1976	2577	515	100		50
50	1810	1975	2578	506	98		58
75	1770	1973	2586	506	97		71
100	1720	1970	2594	517	98		67
125	1670	1967	2601	498	94		79
150	1660	1967	2604	483	91		79

STATION	YEAR	MONTH	DAY	TIME	LATITUDE	LONGITUDE
30	60	05	29	1145	3625 S	15019 E

DEPTH	TEMP.	Cl ‰	σ _t	O ₂	O ₂ % SAT.	INORG P	TOTAL P
25	1850	1974	2566	526	103		49
50	1805	1972	2575	526	102		65
75	1770	1972	2584	532	102		65
100	1730	1970	2592	515	98		63
125	1700	1966	2594	515	98		49
150	1620	1963	2607	506	94		77
	1460	1955	2630	474	85		85

STATION	YEAR	MONTH	DAY	TIME	LATITUDE	LONGITUDE
30	60	06	23	1015	3625 S	15019 E

DEPTH	TEMP.	Cl ‰	σ _t	O ₂	% SAT.	INORG P	TOTAL P
	1630	1970	2616	542	101		50
25	1620	1968	2617	539	100		55
50	1610	1967	2617	539	100		320
75	1610	1967	2617	533	99		71
100	1600	1967	2620	530	98		59
125	1510	1958	2629	510	93		84
150	1360	1947	2640	483	85		77

STATION	YEAR	MONTH	DAY	TIME	LATITUDE	LONGITUDE
30	60	07	23	1050	3625 S	15019 E

DEPTH	TEMP.	Cl ‰	σ _t	O ₂	% SAT.	INORG P	TOTAL P
	1430	1962	2646	557	100		74
25	1380	1958	2654	557	99		68
50	1370	1959	2655	563	100		68
75	1370	1959	2655	560	99		77
100	1370	1959	2655	563	100		88
125	1340	1959	2663	590	104		74
150	1315	1959	2667	566	99		57

STATION	YEAR	MONTH	DAY	TIME	LATITUDE	LONGITUDE
30	60	02	11	100	3625 S	15024 E

DEPTH	TEMP.	Cl ‰	σ _t	O ₂	% SAT.	INORG P	TOTAL P
25	2270	1980	2461	502	105		52
50	1840	1973	2463	492	106		53
75	1660	1971	2610	428	80		87
100	1610	1969	2620	452	84		
150	1440	1958	2640	454	82		99
200	1340	1954	2655	458	81		96
300	1170	1942	2672	464	79		97

*

STATION	YEAR	MONTH	DAY	TIME	LATITUDE	LONGITUDE
30	60	03	09	925	3625 S	15024 E

DEPTH	TEMP.	Cl ‰	σ _t	O ₂	% SAT.	INORG P	TOTAL P
25	2205	1980	2480	507	105		45
50	1800	1985	2505	522	107		49
75	1640	1969	2573	457	88		55
100	1480	1958	2608	420	79		81
150	1420	1952	2631	410	74		104
200	1340	1957	2649	507	91		104
300	1210	1948	2657	516	91		126
			2673	510	87		125

STATION	YEAR	MONTH	DAY	TIME	LATITUDE	LONGITUDE
30	60	04	06	94	3625 S	15024 E

DEPTH	TEMP.	Cl ‰	σ _t	O ₂	O ₂ % SAT.	INORG P	TOTAL P
	2070	1975	2511	503	102		59
25	2070	1980	2517	501	102		39
50	1970	1974	2537	496	99		44
75	1765	1967	2578	448	86		65
100	1650	1961	2599	436	82		79
150	1500	1956	2624	450	82		85
200	1440	1954	2635	448	80		107
300	1130	1934	2670	475	80		124

STATION	YEAR	MONTH	DAY	TIME	LATITUDE	LONGITUDE
30	60	05	04	1015	3625 S	15024 E

DEPTH	TEMP.	Cl ‰	σ _t	O ₂	O ₂ % SAT.	INORG P	TOTAL P
	1810	1975	2578	514	99		52
25	1810	1985	2591	509	99		45
50	1800	1975	2581	509	98		40
75	1800	1975	2581	504	97		75
100	1760	1973	2588	504	97		79
150	1650	1967	2605	504	94		79
200	1520	1962	2629	463	84		106
300	1280	1952	2664	496	87		90

STATION	YEAR	MONTH	DAY	TIME	LATITUDE	LONGITUDE
30	60	05	29	1235	3625 S	15024 E

DEPTH	TEMP.	CI ‰	σ _t	O ₂	O ₂ % SAT.	INORG P	TOTAL P
					1		
25	19.40	19.79	25.54	5.18	309		5.7
50	18.30	19.72	25.56	5.00	97		4.6
75	17.95	19.75	25.81	5.06	97		
100	17.50	19.71	25.87	5.06	97		5.0
150	16.80	19.67	26.00	4.95	91		5.8
200	15.85	19.63	26.15	4.69	82		8.0
300	13.40	19.48	26.46				9.2

*

STATION	YEAR	MONTH	DAY	TIME	LATITUDE	LONGITUDE
30	60	06	23	1105	3625 S	15024 E

DEPTH	TEMP.	CI ‰	σ _t	O ₂	O ₂ % SAT.	INORG P	TOTAL P
					1		
25	16.60	19.68	26.07	5.39	101		4.5
50	16.50	19.72	26.13	5.39	101		4.3
75	16.50	19.66	26.05	5.42	101		6.1
100	16.20	19.66	26.05	5.33	100		5.2
150	15.00	19.56	26.17	5.05	99		6.5
200	13.75	19.48	26.25	4.71	92		6.6
300	11.80	19.35	26.39	4.69	83		9.0
					79		11.1

STATION	YEAR	MONTH	DAY	TIME	LATITUDE	LONGITUDE
30	60	07	23	1145	3625 S	15024 E

60 07 23 1145 3625 S 15024 E

DEPTH	TEMP.	Cl ‰	σ _t	O ₂	O ₂ % SAT.	INORG P	TOTAL P
	1490	1964	2635	554	100		52
25	1480	1966	2643	550	99		54
50	1410	1959	2647	550	98		72
75	1330	1954	2656	570	100		62
100	1320	1954	2657	570	100		68
150	1330	1957	2660	567	100		75
200	1325	1957	2662	567	100		57
300	1320	1957	2664	567	100		63

STATION	YEAR	MONTH	DAY	TIME	LATITUDE	LONGITUDE
30	60	02	11	1100	3625 S	15029 E

60 02 11 1100 3625 S 15029 E

DEPTH	TEMP.	Cl ‰	σ _t	O ₂	O ₂ % SAT.	INORG P	TOTAL P
	2270	1980	2461	495	104		41
25	2270	1980	2461	502	105		37
50	1960	1974	2539	527	105		
75	1700	1950	2570	437	83		84
100	1570	1966	2624	452	83		82
150	1450	1958	2639	454	82		87
200	1370	1954	2648	461	82		89
300	1160	1941	2673	443	75		180
500	0920	1926	2694	464	74		161

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STATION	YEAR	MONTH	DAY	TIME	LATITUDE	LONGITUDE
30	60	03	09	1025	3625 S	15029 E

DEPTH	TEMP.	Cl ‰	σ _t	O ₂	O ₂ % SAT.	INORG P	TOTAL P
	22.05	1979	2479	516	107		34
25	21.40	1983	2502	519	106		46
50	18.80	1974	2560	499	93		55
75	16.80	1969	2602	438	83		76
100	15.80	1963	2618	429	79		74
150	14.20	1953	2651	510	91		81
200	13.20	1954	2659	478	84		50
300	11.70	1943	2674	476	84		120
500	09.20	1924	2692	449	72		168

STATION	YEAR	MONTH	DAY	TIME	LATITUDE	LONGITUDE
30	60	04	06	1035	3625 S	15029 E

DEPTH	TEMP.	Cl ‰	σ _t	O ₂	O ₂ % SAT.	INORG P	TOTAL P
	20.60	1979	2519	507	103		50
25	20.60	1979	2519	507	103		59
50	20.00	1976	2532	496	99		90
75	17.70	1966	2576	433	83		86
100	16.90	1964	2593	441	83		94
150	14.90	1957	2627	454	82		106
200	14.40	1953	2633	443	79		114
300	12.10	1940	2662	454	78		133
500	08.90	1917	2687	463	73		

*

STATION	YEAR	MONTH	DAY	TIME	LATITUDE	LONGITUDE
30	60	05	29	1330	3625 S	15029 E

DEPTH	TEMP.	Cl ‰	σ _t	O ₂	O ₂ % SAT.	INORG P	TOTAL P
	1960	1960	2545	550	109		43
25	1960	1985	2553	547	109		45
50	1950	1983	2553	526	104		65
75	1850	1971	2563	529	102		50
100	1820	1973	2571	529	103		45
150	1750	1969	2585	486	93		85
200	1715	1969	2595	576	109		68
300	1580	1965	2621	538	99		77
500	1140	1935	2669	541	91		94

STATION	YEAR	MONTH	DAY	TIME	LATITUDE	LONGITUDE
30	60	06	23	1205	3625 S	15029 E

DEPTH	TEMP.	Cl ‰	σ _t	O ₂	O ₂ % SAT.	INORG P	TOTAL P
	1670	1968	2615	525	99		66
25	1670	1968	2615	536	101		58
50	1670	1968	2615	528	101		57
75	1660	1968	2617	533	99		53
100	1660	1970	2610	455	100		61
150	1500	1952	2620	452	82		76
200	1380	1948	2637	452	80		101
300	1200	1935	2657	452	77		114
500	0900	1914	2680	522	83		141

STATION	YEAR	MONTH	DAY	TIME	LATITUDE	LONGITUDE
30	60	07	23	124	3625 S	15029 E

DEPTH	TEMP.	Cl‰	σ _t	O ₂	O ₂ % SAT.	INORG P	TOTAL P
	1730	1974	2596	562	107		46
25	1770	1974	2586	502	96		40
50	1695	1971	2610	509	96		40
75	1495	1963	2634	545	99		67
100	1400	1959	2650	557	101		57
150	1350	1957	2657	560	99		67
200	1300	1957	2655	567	100		67
300	1325	1955	2659	565	99		61
500	1290	1955	2666	540	94		81

STATION	YEAR	MONTH	DAY	TIME	LATITUDE	LONGITUDE
35	60	04	07	615	3550 S	15018 E

DEPTH	TEMP.	Cl‰	σ _t	O ₂	O ₂ % SAT.	INORG P	TOTAL P
	2060	1968	2506	507	102		79
10	2080	1974	2508	504	102		58
20	2090	1977	2508	505	103		46
30	2100	1978	2508	498	101		44
40	2090	1978	2510	498	101		72
50	2005	1971	2525	479	96		49

STATION	YEAR	MONTH	DAY	TIME	LATITUDE	LONGITUDE
35	60	03	13	930	3550 S	15018 E

DEPTH	TEMP.	Cl ‰	σ_t	O ₂	% SAT.	INORG P	TOTAL P
10	2070	1979	2516	524	106		77
20	2060	1981	2522	527	107		76
30	2060	1979	2518	527	107		50
40	2080	1979	2513	524	107		65
50	1970	1976	2540	516	103		59
	1910	1973	2551	484	95		

STATION	YEAR	MONTH	DAY	TIME	LATITUDE	LONGITUDE
35	60	02	12	600	3550 S	15018 E

DEPTH	TEMP.	Cl ‰	σ_t	O ₂	% SAT.	INORG P	TOTAL P
10	2210	1977	2474	509	106		
20	2210	1977	2474	511	106		
30	2210	1976	2473	502	104		
40	2060	1974	2512	533	111		
50	1905	1970	2549	492	100		

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STATION	YEAR	MONTH	DAY	TIME	LATITUDE	LONGITUDE
35	60	05	28	635	3550 S	15018 E

DEPTH	TEMP.	Cl ‰	σ _t	O ₂	O ₂ % SAT.	INORG P	TOTAL P
	1880	1980	2567	509	100		54
10	1880	1980	2567	515	101		60
20	1870	1978	2571	509	100		54
30	1850	1976	2569	492	96		76
40	1680	1963	2593	440	83		75
50	1570	1961	2617	454	84		

STATION	YEAR	MONTH	DAY	TIME	LATITUDE	LONGITUDE
35	60	05	24	715	3550 S	15018 E

DEPTH	TEMP.	Cl ‰	σ _t	O ₂	O ₂ % SAT.	INORG P	TOTAL P
	1580	1967	2624	544	101		
10	1580	1968	2625	544	101		
20	1580	1968	2625	547	101		
30	1585	1968	2625	544	101		
40	1580	1968	2625	547	101		
50	1570	1964	2620	533	98		

STATION	YEAR	MONTH	DAY	TIME	LATITUDE	LONGITUDE
35	60	03	13	1020	3550 S	15023 E

35 60 03 13 1020 3550 S 15023 E

DEPTH	TEMP.	CI %.	σ _t	O ₂	O ₂ % SAT.	INORG P	TOTAL P
	2070	1976	2512	527	107		
10	2040	1976	2520	527	106		39
20	2040	1976	2520	527	106		62
30	2000	1976	2532	510	102		62
40	1900	1971	2551	490	96		72
50	1850	1971	2564	478	93		
75	1460	1961	2640	420	76		101
100	1420	1958	2645	420	75		115

STATION	YEAR	MONTH	DAY	TIME	LATITUDE	LONGITUDE
35	60	02	12	645	3550 S	15023 E

35 60 02 12 645 3550 S 15023 E

DEPTH	TEMP.	CI %.	σ _t	O ₂	O ₂ % SAT.	INORG P	TOTAL P
	2200	1977	2477	511	106		
10	2200	1976	2476	515	107		
20	2150	1976	2491	511	105		
30	2190	1976	2480	511	106		
40	2150	1976	2491	523	107		
50	1970	1969	2531	482	96		
75	1680	1965	2596	460	87		
100	1480	1959	2633	425	77		

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STATION	YEAR	MONTH	DAY	TIME	LATITUDE	LONGITUDE
35	60	05	28	730	3550 S	15023 E

DEPTH	TEMP.	CI %.	σ _t	O ₂	O ₂ % SAT.	INORG P	TOTAL P
	1890	1976	2560	503	99		97
10	1890	1980	2565	506	99		58
20	1890	1978	2562	503	99		48
30	1880	1978	2564	503	99		60
40	1880	1977	2563	503	99		48
50	1770	1968	2580	474	91		62
75	1680	1966	2599	526	99		46
100	1535	1956	2617	486	89		77

STATION	YEAR	MONTH	DAY	TIME	LATITUDE	LONGITUDE
35	60	06	24	805	3550 S	15023 E

DEPTH	TEMP.	CI %.	σ _t	O ₂	O ₂ % SAT.	INORG P	TOTAL P
	1610	1968	2619	550	102		
10	1610	1968	2619	550	102		
20	1605	1968	2620	539	100		
30	1600	1968	2621	544	101		
40	1600	1968	2621	542	101		
50	1610	1967	2617	544	101		
75	1600	1964	2615	536	99		
100	1555	1962	2621	508	93		

STATION	YEAR	MONTH	DAY	TIME	LATITUDE	LONGITUDE
35	60	07	24	750	3550 S	15023 E

DEPTH	TEMP.	Cl %.	σ _t	O ₂	O ₂ % SAT.	INORG P	TOTAL P
	1485	1963	2636				63
10	1485	1967	2642				63
20	1485	1967	2642				54
30	1480	1967	2644				55
40	1480	1965	2640				72
50	1490	1965	2638				54
75	1490	1965	2638				57
100	1420	1965	2654				68

STATION	YEAR	MONTH	DAY	TIME	LATITUDE	LONGITUDE
35	60	04	07	820	3550 S	15028 E

DEPTH	TEMP.	Cl %.	σ _t	O ₂	O ₂ % SAT.	INORG P	TOTAL P
	2090	1979	2510	501	102		59
10	2090	1979	2510	505	103		43
20	2090	1979	2510	504	102		54
30	2090	1979	2510	504	102		48
40	2080	1979	2513	501	102		70
50	1900	1972	2552	466	92		88
75	1640	1964	2605	431	81		88
100	1520	1963	2631	454	83		101
125	1435	1956	2642	454	82		101

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STATION	YEAR	MONTH	DAY	TIME	LATITUDE	LONGITUDE
35		03	13	1135	3550 S	15028 E

DEPTH	TEMP.	Cl %.	σ_t	O ₂	O ₂ % SAT.	INORG P	TOTAL P
	21.45	1985	2503	524	108		48
10	21.20	1985	2511	522	107		
20	21.20	1984	2509	522	107		
30	21.10	1984	2512	524	107		55
40	20.50	1981	2525	527	106		76
50	19.80	1977	2538	524	105		71
75	15.70	1963	2620	420	77		98
100	13.80	1955	2648	429	76		114
125	12.80	1952	2664	455	79		126

STATION	YEAR	MONTH	DAY	TIME	LATITUDE	LONGITUDE
35		60	02	12	3550 S	15028 E

DEPTH	TEMP.	Cl %.	σ_t	O ₂	O ₂ % SAT.	INORG P	TOTAL P
	21.80	1977	2483	507	105		*
10	21.80	1977	2483	519	107		*
20	21.80	1977	2483	519	107		*
30	21.80	1976	2482	519	107		*
40	20.20	1974	2523	533	107		*
50	18.90	1972	2555	523	103		*
75	17.25	1970	2593	454	86		*
100	15.00	1962	2633	454	82		*
125	14.50	1960	2641	445	80		*

STATION	YEAR	MONTH	DAY	TIME	LATITUDE	LONGITUDE
35	60	05	26	910	3550 S	15026 E

35 60 05 26 910 3550 S 15026 E

DEPTH	TEMP.	Cl‰	σ _t	O ₂	O ₂ % SAT.	INORG P _{tot}	TOTAL P
10	1870	1977	2566	521	102		60
20	1870	1977	2566	517	101		63
30	1805	1975	2580	524	101		67
40	1730	1974	2596	532	101		107
50	1725	1971	2595	529	101		52
75	1720	1970	2595	524	100		139
100	1655	1970	2592	512	98		81
125	1510	1959	2603	524	98		90
			2627	474	86		99

STATION	YEAR	MONTH	DAY	TIME	LATITUDE	LONGITUDE
35	60	06	24	915	3550 S	15026 E

35 60 06 24 915 3550 S 15026 E

DEPTH	TEMP.	Cl‰	σ _t	O ₂	O ₂ % SAT.	INORG P	TOTAL P
10	1610	1967	2617	578	98		
20	1620	1968	2617	547	98		
30	1620	1968	2617	539	100		
40	1615	1968	2618	542	101		
50	1610	1967	2617	542	101		
75	1610	1966	261	536	101		
100	1605	1962	2610	536	99		
125	1570	1965	2623	522	93		
	1525	1965	2632	491	90		

STATION	YEAR	MONTH	DAY	TIME	LATITUDE	LONGITUDE
35	60	03	13	124	3550 S	15033 E

DEPTH	TEMP.	Cl ‰	σ _t	O ₂	O ₂ % SAT.	INORG P	TOTAL P
	2130	1985	2508	516	106		49
10	2130	1985	2508	516	106		72
20	2120	1985	2510	522	107		99
30	2120	1985	2510	519	106		77
40	2020	1980	2531	522	105		86
50	1880	1978	2566	516	101		90
75	1550	1964	2625	414	76		129
100	1430	1964	2651	487	87		144
130	1360	1959	2659	468	83		157

STATION	YEAR	MONTH	DAY	TIME	LATITUDE	LONGITUDE
35	60	02	12	915	3550 S	15033 E

DEPTH	TEMP.	Cl ‰	σ _t	O ₂	O ₂ % SAT.	INORG P	TOTAL P
	2240	1974	2463	506	105		
10	2240	1975	2464	506	105		
20	2240	1975	2464	506	105		
30	2240	1975	2464	509	106		
40	2180	1975	2481	511	105		
50	1940	1971	2541	526	104		
75	1650	1965	2604	451	84		
100	1560	1962	2620	460	85		
130	1440	1956	2636	441	79		

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STATION	YEAR	MONTH	DAY	TIME	LATITUDE	LONGITUDE
35	60	05	28	1005	3550 S	15033 E

DEPTH	TEMP.	Cl ‰	σ _t	O ₂	O ₂ % SAT.	INORG P	TOTAL P
10	1750	1972	2590	526	101		10
23	1750	1973	2590	529	101		10
30	1745	1973	2592	526	100		74
40	1740	1973	2594	526	100		81
50	1740	1973	2594	524	100		114
75	1725	1973	2597	515	98		63
100	1710	1970	2597	497	94		68
130	1630	1964	2608	454	85		74
	1525	1961	2628	445	81		85

STATION	YEAR	MONTH	DAY	TIME	LATITUDE	LONGITUDE
35	60	06	24	1025	3550 S	15033 E

DEPTH	TEMP.	Cl ‰	σ _t	O ₂	O ₂ % SAT.	INORG P	TOTAL P
10	1620	1968	2616	539	100		
20	1620	1968	2616	539	100		
30	1620	1968	2616	544	100		
40	1610	1968	2620	542	101		
50	1610	1968	2620	536	100		
75	1620	1967	2615	539	100		
100	1600	1967	2620	528	98		
130	1520	1964	2632	491	90		

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STATION	YEAR	MONTH	DAY	TIME	LATITUDE	LONGITUDE
35	60	07	24	1005	3550 S	15033 E

DEPTH	TEMP.	Cl ‰	σ _t	O ₂	O ₂ % SAT.	INORG P	TOTAL P
10	1830	1977	2576				57
20	1830	1977	2576				48
30	1800	1977	2583				41
40	1730	1975	2598				48
50	1715	1970	2595				76
75	1520	1968	2639				65
100	1500	1968	2643				57
130	1420	1965	2654				65

STATION	YEAR	MONTH	DAY	TIME	LATITUDE	LONGITUDE
35	60	04	07	114	3550 S	15043 E

DEPTH	TEMP.	Cl ‰	σ _t	O ₂	O ₂ % SAT.	INORG P	TOTAL P
25	2110	1978	2504				
50	2100	1982	2510	573	97		
75	2060	1978	2518				
100	1700	1968	2598	453	86		
150	1520	1963	2630				
200	1365	1957	2654				
300	1270	1949	2662				
500	1110	1938	2679	481	80		
	0845	1918	2695	534	84		

STATION	YEAR	MONTH	DAY	TIME	LATITUDE	LONGITUDE
35	60	03	13	1335	3550 S	15038 E

DEPTH	TEMP.	Cl ‰	σ _t	O ₂	O ₂ % SAT.	INORG P	TOTAL P
	2145	1985	2503	518	106		87
25	2130	1985	2508	522	107		114
50	1930	1979	2553	530	105		56
75	1680	1971	2605	457	86		87
100	1480	1960	2635	417	75		110
150	1380	1960	2656	478	85		103
200	1340	1959	2663	487	86		142
300	1170	1947	2678	516	87		132
500	0860	1924	2701	466	74		230

STATION	YEAR	MONTH	DAY	TIME	LATITUDE	LONGITUDE
35	60	02	12	1020	3550 S	15038 E

DEPTH	TEMP.	Cl ‰	σ _t	O ₂	O ₂ % SAT.	INORG P	TOTAL P
	2230	1977	2469	504	105		
20	2230	1976	2468	511	106		
50	1940	1972	2541	523	104		
75	1670	1965	2599	431	81		
100	1570	1965	2622	448	83		
150	1410	1955	2641	457	82		
200	1320	1946	2651	464	81		
300	1150	1938	2672	454	76		
500	0890	1920	2691	467	74		

STATION	YEAR	MONTH	DAY	TIME	LATITUDE	LONGITUDE
35	60	05	28	1055	3550 S	15038 E

35 60 05 28 1055 3550 S 15038 E

DEPTH	TEMP.	Cl ‰	σ _t	O ₂	% SAT.	INORG P	TOTAL P
25	1790	1975	2583	524	101		46
50	1790	1975	2583	524	101		59
75	1740	1974	2595	529	101		62
100	1720	1974	2600	521	99		62
150	1580	1957	2609	445	82		46
200	1550	1963	2625	477	88		92
300	1360	1953	2649	467	83		102
500	1205	1944	2668	506	86		164
	0900	1920	2690	500	79		

STATION	YEAR	MONTH	DAY	TIME	LATITUDE	LONGITUDE
35	60	06	24	1130	3550 S	15038 E

35 60 06 24 1130 3550 S 15038 E

DEPTH	TEMP.	Cl ‰	σ _t	O ₂	% SAT.	INORG P	TOTAL P
25	1640	1960	2600	539	101		
50	1650	1968	2610	539	101		
75	1650	1968	2610	542	101		
100	1640	1968	2611	539	101		
150	1620	1966	2614	530	99		
200	1500	1958	2628	488	89		
300	1410	1957	2645	491	88		
500	1325	1953	2657	505	89		
	0960	1919	2677	460	74		

STATION	YEAR	MONTH	DAY	TIME	LATITUDE	LONGITUDE
35	60	07	24	1135	3550 S	15038 E

DEPTH	TEMP.	CI ‰	σ _t	O ₂	O ₂ % SAT.	INORG P	TOTAL P
25	1875	1978	2565				41
50	1880	1978	2565				46
75	1540	1975	2576				72
100	1540	1963	2626				68
150	1430	1967	2632				70
200	1380	1962	2647				86
300	1365	1959	2653				75
500	1110	1959	2657				57
		1937	2677				132

STATION	YEAR	MONTH	DAY	TIME	LATITUDE	LONGITUDE
40	60	02	13	605	3507 S	15052 E

DEPTH	TEMP.	CI ‰	σ _t	O ₂	O ₂ % SAT.	INORG P	TOTAL P
10	2230	1977	2469				66
20	2230	1977	2469	504	105		70
30	2210	1977	2475	506	105		91
40	2100	1977	2505	500	102		62
50	2050	1975	2516	502	101		96
75	2040	1973	2516	502	101		79
	1790	1971	2579	467	90		87
100	1600	1965	2617	431	80		99

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STATION	YEAR	MONTH	DAY	TIME	LATITUDE	LONGITUDE
35	60	03	13	144	3550 S	15043 E

DEPTH	TEMP.	Cl %	σt	O ₂	% SAT.	INORG P	TOTAL P
	2180	1985	2494	510	105		87
25	2160	1985	2499	516	106		38
50	2010	1982	2536	536	108		75
75	1800	1976	2582	499	96		61
100	1610	1971	2622	481	89		103
150	1445	1965	2649	493	89		103
200	1360	1962	2662	493	84		116
300	1360	1945	2639	478	84		161
500	0980	1927	2686	463	75		179

STATION	YEAR	MONTH	DAY	TIME	LATITUDE	LONGITUDE
35	60	02	12	113	3550 S	15043 E

DEPTH	TEMP.	Cl %	σt	O ₂	% SAT.	INORG P	TOTAL P
	2210	1977	2474	511	106		
25	2200	1977	2477	515	107		
50	1870	1975	2536	515	101		
75	1690	1971	2603	469	89		
100	1550	1963	2624	469	86		
150	1430	1960	2645	509	91		
200	1350	1955	2654	497	88		
300	1180	1942	2671	497	84		
500	0870	1898	2664	464	73		

STATION	YEAR	MONTH	DAY	TIME	LATITUDE	LONGITUDE
35	60	05	28	1205	3550 S	15043 E

DEPTH	TEMP.	Cl %.	σ _t	O ₂	O ₂ % SAT.	INORG P	TOTAL P
			2578		100		62
25	1820	1977	2583	518	100		89
50	1815	1980	2590	515	100		62
75	1750	1973	2599	500	96		52
100	1680	1966	2608	489	91		74
150	1640	1966	2620	489	92		57
200	1585	1965	2640	512	95		79
300	1470	1963	2670	489	88		146
500	1210	1945	2686	477	82		120
	0895	1917		532	84		

STATION	YEAR	MONTH	DAY	TIME	LATITUDE	LONGITUDE
35	60	06	24	1235	3550 S	15043 E

DEPTH	TEMP.	Cl %.	σ _t	O ₂	O ₂ % SAT.	INORG P	TOTAL P
					99		
25	1645	1979	2624	526	99		
50	1650	1979	2623	526	98		
75	1650	1977	2620	525	98		
100	1645	1977	2621	522	99		
150	1640	1979	2625	528	93		
200	1540	1961	2625	508	90		
300	1480	1958	2630	497	86		
500	1270	1943	2655	494	77		
	0960	1920	2679	408			

STATION	YEAR	MONTH	DAY	TIME	LATITUDE	LONGITUDE
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35 60 07 24 1235 3550 S 15043 E

DEPTH	TEMP.	Cl ‰	σ _t	O ₂	O ₂ % SAT.	INORG P	TOTAL P
	1870	1976	2565				49
25	1870	1977	2566				49
50	1810	1973	2576				67
75	1700	1975	2606				50
100	1560	1963	2622				74
150	1480	1963	2638				95
200	1440	1961	2644				130
300	1270	1948	2660				102
500	0975	1924	2681				174

STATION	YEAR	MONTH	DAY	TIME	LATITUDE	LONGITUDE
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35 60 04 07 1030 3550 S 15038 E

DEPTH	TEMP.	Cl ‰	σ _t	O ₂	O ₂ % SAT.	INORG P	TOTAL P
	2110	1979	2505	523	107		90
25	2110	1979	2505				55
50	2110	1980	2507				46
75	1725	1969	2592				68
100	1550	1963	2624	448	82		126
150	1405	1960	2650	487	87		102
200	1320	1953	2658	499	87		129
300	1170	1942	2671	475	80		152
500	0890	1921	2692				194

STATION	YEAR	MONTH	DAY	TIME	LATITUDE	LONGITUDE
40	60	03	12	750	3507 S	15052 E

DEPTH	TEMP.	CI %.	σ_t	O ₂	O ₂ % SAT.	INORG P	TOTAL P
10	2090	1986	2520	522	106		70
20	2090	1986	2520	522	106		59
30	2090	1987	2521	522	106		91
40	1905	1987	2524	516	105		84
50	1760	1976	2556	484	95		86
75	1510	1975	2590	463	89		97
100	1425	1970	2642	457	83		89
		1969	2658	436	78		87

STATION	YEAR	MONTH	DAY	TIME	LATITUDE	LONGITUDE
40	60	04	08	625	3507 S	15052 E

DEPTH	TEMP.	CI %.	σ_t	O ₂	O ₂ % SAT.	INORG P	TOTAL P
10	2070	1979	2516	494	100		49
20	2070	1979	2516	501	101		90
30	2070	1979	2516	505	102		62
40	2010	1979	2516	499	101		43
50	1910	1974	2528	489	98		43
75	1590	1972	2550	469	93		74
100	1435	1964	2617	416	77		104
		1965	2651	416	75		116

STATION	YEAR	MONTH	DAY	TIME	LATITUDE	LONGITUDE
40	60	05	26	650	3507 S	15052 E

DEPTH	TEMP.	CI ‰	σ _t	O ₂	O ₂ % SAT.	INORG P	TOTAL P
	1870	1980	2570	502	98		92
10	1870	1981	2571	505	99		72
20	1870	1979	2569	500	98		59
30	1870	1979	2569	494	97		74
40	1790	1975	2583	473	91		88
50	1800	1972	2578	457	90		72
75	1610	1963	2610	446	83		80
100	1485	1961	2635	440	80		101

STATION	YEAR	MONTH	DAY	TIME	LATITUDE	LONGITUDE
40	60	06	30	715	3507 S	15052 E

DEPTH	TEMP.	CI ‰	σ _t	O ₂	O ₂ % SAT.	INORG P	TOTAL P
	1620	1971	2620	533	99		72
10	1620	1971	2620	550	102		72
20	1620	1971	2620	538	100		65
30	1610	1971	2623	541	101		76
40	1600	1971	2625	544	101		65
50	1610	1968	2619	538	100		55
75	1590	1966	2620	533	99		59
100	1580	1965	2620	533	99		74

STATION	YEAR	MONTH	DAY	TIME	LATITUDE	LONGITUDE
40	60	07	25	710	3507 S	15052 E

DEPTH	TEMP.	Cl ‰	σ_t	O ₂	O ₂ % SAT.	INORG P	TOTAL P
10	1710	1977	2605	512	97		83
20	1710	1977	2605	517	98		61
30	1690	1977	2608	523	99		58
40	1660	1976	2612	540	101		74
50	1575	1970	2630	517	95		72
75	1510	1966	2637	514	93		74
100	1470	1963	2640	502	92		115

STATION	YEAR	MONTH	DAY	TIME	LATITUDE	LONGITUDE
40	60	02	13	735	3507 S	15057 E

DEPTH	TEMP.	Cl ‰	σ_t	O ₂	O ₂ % SAT.	INORG P	TOTAL P
10	2220	1976	2471	510	106		53
20	2220	1976	2471	510	106		50
30	2140	1976	2494	516	106		68
40	1890	1973	2556	490	96		47
50	1840	1972	2567	492	96		24
75	1650	1967	2606	455	85		109
100	1550	1964	2626	464	85		149
125	1440	1959	2641	446	80		158

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STATION	YEAR	MONTH	DAY	TIME	LATITUDE	LONGITUDE
40	60	03	12	040	3507 S	15057 E

DEPTH	TEMP.	Cl ‰	σ _t	O ₂	% SAT.	INORG P	TOTAL P
	21.40	19.88	25.09	5.10	10.5		7.3
10	21.40	19.88	25.09	5.22	10.7		7.2
20	21.40	19.88	25.09	5.18	10.6		9.1
30	20.60	19.86	25.30	5.24	10.6		8.9
40	19.20	19.79	25.55	5.33	10.5		10.9
50	17.25	19.75	25.99	5.02	9.6		7.5
75	16.10	19.72	26.23	4.60	8.6		7.5
100	14.80	19.68	26.46	4.57	8.3		11.0
125	13.60	19.56	26.53	4.36	7.7		13.5

STATION	YEAR	MONTH	DAY	TIME	LATITUDE	LONGITUDE
40	60	04	08	750	3507 S	15057 E

DEPTH	TEMP.	Cl ‰	σ _t	O ₂	% SAT.	INORG P	TOTAL P
	22.20	19.84	24.81	4.96	10.3		6.7
10	22.15	19.84	24.82	4.94	10.2		5.8
20	21.90	19.80	24.85	4.94	10.2		7.2
30	21.60	19.80	24.93	4.94	10.2		12.9
40	20.60	19.74	25.12	4.94	10.0		5.0
50	19.50	19.73	25.41	4.63	9.2		6.8
75	16.90	19.66	25.96	4.25	8.0		7.7
100	15.60	19.64	26.23	4.09	7.5		12.0
125	14.50	19.60	26.41	4.16	7.5		11.4

STATION	YEAR	MONTH	DAY	TIME	LATITUDE	LONGITUDE
40	60	05	26	015	3507 S	15057 E

DEPTH	TEMP.	Cl ‰	σ _t	O ₂	O ₂ % SAT.	INORG P	TOTAL P
10	1870	1980	2570	500	98		57
20	1870	1980	2570	497	97		59
30	1790	1977	2570	494	97		65
40	1700	1974	2585	506	97		63
50	1680	1969	2604	537	98		74
75	1590	1966	2604	534	101		55
100	1550	1965	2632	508	94		88
125	1505	1962	2627	489	90		75
			2632	516	94		94

STATION	YEAR	MONTH	DAY	TIME	LATITUDE	LONGITUDE
40	60	06	30	830	3507 S	15057 E

DEPTH	TEMP.	Cl ‰	σ _t	O ₂	O ₂ % SAT.	INORG P	TOTAL P
10	1630	1970	2616	527	98		68
20	1640	1967	2610	527	99		68
30	1630	1967	2615	524	98		68
40	1620	1967	2615	527	98		61
50	1620	1967	2615	527	98		75
75	1610	1965	2612	521	97		59
100	1580	1965	2614	521	97		61
125	1550	1965	2620	513	95		79
			2628	499	92		65

STATION	YEAR	MONTH	DAY	TIME	LATITUDE	LONGITUDE
40	60	07	25	82	3507 S	15057 E

DEPTH	TEMP.	Cl ‰	σ _t	O ₂	O ₂ % SAT.	INORG P	TOTAL P
	1770	1977	2591	505	97		63
10	1780	1977	2589	509	98		89
20	1775	1977	2590	509	98		71
30	1710	1973	2600	509	97		71
40	1690	1973	2605	517	98		81
50	1660	1973	2612	523	98		90
75	1560	1968	2630	531	98		99
100	1490	1965	2639	512	93		89
125	1430	1961	2646	493	86		103

STATION	YEAR	MONTH	DAY	TIME	LATITUDE	LONGITUDE
40	60	02	13	845	3507 S	15102 E

DEPTH	TEMP.	Cl ‰	σ _t	O ₂	O ₂ % SAT.	INORG P	TOTAL P
	2230	1978	2471	510	106		63
10	2240	1978	2469	510	106		39
20	2220	1976	2471	510	106		38
30	2100	1974	2502	527	107		61
40	1930	1974	2547	505	100		72
50	1760	1970	2584	457	88		88
75	1630	1966	2610	448	84		70
100	1530	1962	2627	464	85		79
130	1420	1958	2645	452	81		188

STATION	YEAR	MONTH	DAY	TIME	LATITUDE	LONGITUDE
40	60	05	26	915	3507 S	15102 E

DEPTH	TEMP.	Cl ‰	σ _t	O ₂	O ₂ % SAT.	INORG P	TOTAL P
	1730	1975	2599	534	102		66
10	1720	1975	2601	545	104		72
20	1710	1973	2602	537	102		70
30	1700	1971	2601	534	101		85
40	1650	1973	2615	534	100		66
50	1610	1971	2624	524	98		86
75	1510	1972	2645	459	84		81
100	1465	1963	2640	473	85		99
150	1450	1965	2648	494	89		106

STATION	YEAR	MONTH	DAY	TIME	LATITUDE	LONGITUDE
40	60	06	30	940	3507 S	15102 E

DEPTH	TEMP.	Cl ‰	σ _t	O ₂	O ₂ % SAT.	INORG P	TOTAL P
	1630	1968	2614	527	98		63
10	1640	1967	2610	533	100		68
20	1630	1967	2612	527	98		63
30	1630	1964	2609	527	98		76
40	1630	1963	2606	527	98		59
50	1630	1963	2606	521	97		72
75	1630	1964	2609	516	96		86
100	1520	1961	2630	493	90		75
140	1460	1957	2633	487	88		89

STATION	YEAR	MONTH	DAY	TIME	LATITUDE	LONGITUDE
40	60	07	25	925	3507 S	15102 E

DEPTH	TEMP.	CI ‰	σ_t	O ₂	O ₂ % SAT.	INORG P	TOTAL P
10	1680	1974	2610	523	99		88
20	1680	1974	2610	517	98		67
30	1670	1973	2610	520	98		94
40	1670	1973	2610	514	97		98
50	1630	1972	2620	520	97		105
75	1615	1972	2623	531	99		77
100	1580	1972	2631	534	99		77
140	1510	1968	2641	512	93		86
	1420	1961	2649	496	89		92

STATION	YEAR	MONTH	DAY	TIME	LATITUDE	LONGITUDE
40	60	02	13	935	3507 S	15107 E

DEPTH	TEMP.	CI ‰	σ_t	O ₂	O ₂ % SAT.	INORG P	TOTAL P
25	2230	1977	2469	506	105		47
50	2230	1977	2469	508	106		66
75	1860	1975	2470	530	110		41
100	1650	1971	2561	487	95		38
150	1470	1967	2607	487	91		113
200	1410	1963	2641	504	91		87
300	1160	1958	2647	508	91		129
500	0865	1959	2670	475	80		201
		1918	2692	475	75		

STATION	YEAR	MONTH	DAY	TIME	LATITUDE	LONGITUDE
40	60	03	12	1045	3507 S	15107 E

DEPTH	TEMP.	Cl ‰	σ _t	O ₂	O ₂ % SAT.	INORG P	TOTAL P
	2160	1986	2501	516	106		49
25	2160	1988	2504	510	105		49
50	1950	1983	2554	522	104		47
75	1760	1976	2592	504	97		52
100	1600	1974	2629	478	89		87
150	1430	1970	2660	478	86		79
200	1360	1961	2661	495	87		100
300	1190	1948	2677	487	83		102
500	0960	1932	2696	474	76		172

STATION	YEAR	MONTH	DAY	TIME	LATITUDE	LONGITUDE
40	60	04	08	945	3507 S	15107 E

DEPTH	TEMP.	Cl ‰	σ _t	O ₂	O ₂ % SAT.	INORG P	TOTAL P
	2300	1994	2472	484	102		57
25	2290	1994	2475	486	102		61
50	2290	1994	2475	484	102		55
75	2010	1985	2540	446	90		67
100	1780	1975	2585	431	83		77
150	1530	1965	2631	397	73		92
200	1390	1959	2651	422	75		107
300	1270	1954	2670	454	79		148
500	0850	1925	2703	451	71		186

STATION	YEAR	MONTH	DAY	TIME	LATITUDE	LONGITUDE
40	60	07	25	1015	3507 S	15107 E

DEPTH	TEMP.	Cl %.	σ _t	O ₂	O ₂ % SAT.	INORG P	TOTAL P
	1850	1978	2571	502	98		79
25	1740	1977	2600	517	99		74
50	1685	1975	2610	512	98		89
75	1685	1975	2610	512	97		83
100	1660	1975	2615	512	96		102
150	1560	1969	2631	509	94		85
200	1505	1966	2630	502	91		94
300	1410	1958	2646	482	86		85
500	1305	1956	2665	509	89		105

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STATION	YEAR	MONTH	DAY	TIME	LATITUDE	LONGITUDE
40	60	02	13	1050	3507 S	15112 E

DEPTH	TEMP.	Cl %.	σ _t	O ₂	O ₂ % SAT.	INORG P	TOTAL P
	2230	1971	2462	508	105		42
25	2210	1973	2471	506	105		53
50	1930	1968	2540	562	111		86
75	1640	1962	2620	437	82		70
100	1550	1965	2627	497	91		66
150	1360	1953	2650	469	83		101
200	1260	1945	2659	467	81		99
300	1120	1938	2677	489	82		129
500	0870	1919	2692	499	79		136

STATION	YEAR	MONTH	DAY	TIME	LATITUDE	LONGITUDE
40	60	03	12	115	3507 S	15112 E

DEPTH	TEMP.	CI %.	σ _t	O ₂	O ₂ % SAT.	INORG P	TOTAL P
	2180	1987	2495	510	105		51
25	2170	1987	2499	513	106		42
50	2010	1982	2536	530	106		46
75	1800	1975	2580	518	100		66
100	1560	1973	2636	484	89		96
150	1410	1965	2656	481	86		88
200	1435	1973	2662	478	86		88
300	1155	1946	2680	493	83		106
500	0880	1927	2701	490	78		138

STATION	YEAR	MONTH	DAY	TIME	LATITUDE	LONGITUDE
40	60	04	08	1050	3507 S	15112 E

DEPTH	TEMP.	CI %.	σ _t	O ₂	O ₂ % SAT.	INORG P	TOTAL P
	2300	1991	2469	475	100		48
25	2290	1991	2471	486	102		76
50	2260	1991	2474	480	101		49
75	2000	1989	2549	448	90		68
100	1910	1986	2568	445	88		72
150	1630	1972	2619	448	84		107
200	1470	1964	2642	441	80		116
300	1270	1953	2668	454	79		107
500	0940	1931	2698	448	72		137

STATION	YEAR	MONTH	DAY	TIME	LATITUDE	LONGITUDE
40	60	05	26	1135	3507 S	15112 E

DEPTH	TEMP.	Cl ‰	σ _t	O ₂	O ₂ % SAT.	INORG P	TOTAL P
25	1750	1981	2601	526	101		62
50	1740	1981	2604	532	102		61
75	1730	1981	2606	429	82		39
100	1710	1976	2605	508	97		65
150	1550	1965	2628	462	85		66
200	1380	1962	2658	486	86		95
300	1200	1951	2679	497	85		103
500	0900	1928	2700	497	94		124

STATION	YEAR	MONTH	DAY	TIME	LATITUDE	LONGITUDE
40	60	06	30	1140	3507 S	15112 E

DEPTH	TEMP.	Cl ‰	σ _t	O ₂	O ₂ % SAT.	INORG P	TOTAL P
25	1630	1964	2608	527	98		68
50	1630	1964	2608	524	98		63
75	1620	1964	2610	519	97		85
100	1620	1962	2606	516	96		
150	1620	1963	2608	521	97		120
200	1380	1946	2635	448	79		104
300	1150	1931	2661	436	73		188
500	0880	1910	2679	476	75		206

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STATION	YEAR	MONTH	DAY	TIME	LATITUDE	LONGITUDE
40	60	07	25	113	3507 S	15112 E

DEPTH	TEMP.	CI %	σ _t	O ₂	% SAT.	INORG P	TOTAL P
25	1900	1982	2565	499	98		62
50	1910	1982	2561	490	97		54
75	1870	1982	2572	493	97		94
100	1740	1974	2595	490	94		77
150	1600	1970	2605	503	95		89
200	1530	1967	2625	505	94		77
300	1540	1956	2636	502	92		85
500	1210	1945	2615	487	89		108
			2669	479	82		135

STATION	YEAR	MONTH	DAY	TIME	LATITUDE	LONGITUDE
40	60	02	13	120	3507 S	15117 E

DEPTH	TEMP.	CI %	σ _t	O ₂	% SAT.	INORG P	TOTAL P
25	2230	1974	2466	506	105		37
50	1780	1975	2467	502	104		51
75	1640	1968	2577	469	90		70
100	1560	1964	2605	437	82		67
150	1450	1964	2623	467	86		113
200	1310	1962	2643	504	91		82
300	1130	1948	2653	467	82		91
500	0860	1940	2677	504	85		105
		1920	2695	469	74		145

STATION	YEAR	MONTH	DAY	TIME	LATITUDE	LONGITUDE
40	60	03	12	1310	3507 S	15117 E

DEPTH	TEMP.	Cl ‰	σ _t	O ₂	O ₂ % SAT.	INORG P	TOTAL P
25	2190	1986	2493	510	105		45
50	2190	1988	2496	499	103		64
75	2020	1982	2534	539	108		49
100	1740	1974	2594	478	91		56
150	1540	1973	2640	490	90		89
200	1410	1967	2658	507	91		72
300	1320	1960	2668	495	87		83
500	1140	1946	2683	507	85		101
	0885	1928	2702	474	75		138

STATION	YEAR	MONTH	DAY	TIME	LATITUDE	LONGITUDE
40	60	04	08	1216	3507 S	15117 E

DEPTH	TEMP.	Cl ‰	σ _t	O ₂	O ₂ % SAT.	INORG P	TOTAL P
25	2320	1994	2467	486	103		88
50	2310	1994	2469	449	95		58
75	2050	1994	2469	478	101		71
100	1930	1989	2539	469	95		43
150	1760	1979	2566	448	89		81
200	1580	1969	2595	438	84		89
300	1380	1962	2627	431	80		90
500	0990	1934	2658	448	80		143
			2694	451	73		194

STATION	YEAR	MONTH	DAY	TIME	LATITUDE	LONGITUDE
40	60	05	26	1240	3507 S	15117 E

DEPTH	TEMP.	Cl %.	σ _t	O ₂	% SAT.	INORG P	TOTAL P
	1760	1980	2597	534	103		61
25	1750	1982	2601	529	101		62
50	1745	1982	2603	529	101		70
75	1735	1991	2605	516	98		62
100	1650	1976	2621	473	89		63
150	1500	1967	2640	432	79		86
200	1400	1965	2658	473	84		94
300	1200	1952	2680	494	84		108
500	0910	1927	2697	510	81		146

STATION	YEAR	MONTH	DAY	TIME	LATITUDE	LONGITUDE
40	60	06	30	1245	3507 S	15117 E

DEPTH	TEMP.	Cl %.	σ _t	O ₂	% SAT.	INORG P	TOTAL P
	1690	1963	2592	533	101		114
25	1690	1963	2592	527	99		75
50	1640	1962	2602	527	99		71
75	1620	1967	2615	519	97		71
100	1630	1967	2611	527	98		124
150	1560	1962	2620	504	93		74
200	1380	1944	2633	434	77		104
300	1180	1934	2659	465	79		117
500	0900	1912	2676	465	74		152

STATION	YEAR	MONTH	DAY	TIME	LATITUDE	LONGITUDE
40	60	07	25		3507 S	15117 E

DEPTH	TEMP.	CI ‰	σ _t	O ₂	O ₂ % SAT.	INORG P	TOTAL P
	1940	1984	2556	490	97		44
25	1950	1986	2557	496	99		49
50	1940	1986	2559	496	98		50
75	1940	1983	2554	493	98		58
100	1910	1982	2560	490	97		53
150	1790	1974	2580	467	90		71
200	1570	1964	2620	470	87		81
300	1530	1969	2637	520	95		71
500	1370	1962	2480	527	93		81

STATION	YEAR	MONTH	DAY	TIME	LATITUDE	LONGITUDE
45	60	02	04	625	3704 S	15003 E

DEPTH	TEMP.	CI ‰	σ _t	O ₂	O ₂ % SAT.	INORG P	TOTAL P
	2005	1962	2510	517	104		43
10	2000	1962	2511	534	107		67
20	2000	1962	2511	538	108		34
30	2000	1961	2510	531	106		47
40	1950	1959	2520	512	101		47
50	1950	1962	2525	505	100		47

STATION	YEAR	MONTH	DAY	TIME	LATITUDE	LONGITUDE
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45
60 02 29 715 3704 S 15003 E

DEPTH	TEMP.	Cl ‰	σ_t	O ₂	O ₂ % SAT.	INORG P	TOTAL P
10	2150	1981	2497	501	103		62
20	2130	1981	2502	507	104		89
30	2105	1979	2507	524	107		42
40	2105	1979	2507	524	107		49
50	2070	1976	2530	507	103		87
	2020	1976	2532	498	101		118

STATION	YEAR	MONTH	DAY	TIME	LATITUDE	LONGITUDE
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45
60 03 28 735 3704 S 15003 E

DEPTH	TEMP.	Cl ‰	σ_t	O ₂	O ₂ % SAT.	INORG P	TOTAL P
10	2060	1978	2517	515	104		69
20	2040	1978	2524	515	104		99
30	1860	1967	2555	515	100		51
40	1780	1964	2571	482	93		69
50	1710	1963	2587	470	89		134
	1600	1961	2610	441	82		90

STATION	YEAR	MONTH	DAY	TIME	LATITUDE	LONGITUDE
45	60	04	26	735	3704 S	15003 E

DEPTH	TEMP.	Cl ‰	σ _t	O ₂	O ₂ % SAT.	INORG P	TOTAL P
	1800	1972	2578	509	98		68
10	1800	1972	2578	509	98		52
20	1800	1973	2579	516	100		55
30	1810	1973	2577	509	98		55
40	1800	1973	2579	509	98		40
50	1805	1973	2578	509	98		52

STATION	YEAR	MONTH	DAY	TIME	LATITUDE	LONGITUDE
45	60	06	08	755	3704 S	15003 E

DEPTH	TEMP.	Cl ‰	σ _t	O ₂	O ₂ % SAT.	INORG P	TOTAL P
	1560	1967	2626	529	97	46	55
10	1560	1967	2626	535	99	46	46
20	1510	1965	2635	521	95	52	98
30	1505	1965	2636	532	97	61	72
40	1495	1965	2638	535	97	55	81
50	1500	1965	2636	538	98	41	72

STATION	YEAR	MONTH	DAY	TIME	LATITUDE	LONGITUDE
45	60	07	18	805	3704S	15003E

DEPTH	TEMP.	Cl ‰	σ _t	O ₂	O ₂ % SAT.	INORG P	TOTAL P
	1260	1922	2627	604	104	48	
10	1300	1945	2651	590	97	63	63
20	1300	1943	2648	586	98	55	61
30	1320	1943	2644	586	102	46	107
40	1330	1949	2650	586	103	49	68
50	1340	1949	2647	567	100	49	61

STATION	YEAR	MONTH	DAY	TIME	LATITUDE	LONGITUDE
45	60	02	04	715	3704S	15008E

DEPTH	TEMP.	Cl ‰	σ _t	O ₂	O ₂ % SAT.	INORG P	TOTAL P
	2160	1976	2438	525	108		47
10	2160	1976	2488	517	106		38
20	2120	1974	2496	525	107		39
30	2050	1966	2504	534	108		46
40	2020	1960	2504	531	107		41
50	1940	1958	2522	517	102		49
70	1810	1958	2555	485	94		54

STATION	YEAR	MONTH	DAY	TIME	LATITUDE	LONGITUDE
45	60	02	29	805	3704 S	15008 E

DEPTH	TEMP.	Cl %.	σ _t	O ₂	O ₂ % SAT.	INORG P	TOTAL P
	2160	1980	2493	514	106		51
10	2160	1979	2492	514	106		46
20	2160	1979	2492	510	105		39
30	2160	1979	2492	514	106		48
40	2120	1979	2503	514	105		80
50	2020	1964	2516	514	103		68
70	1490	1957	2627	436	79		158

STATION	YEAR	MONTH	DAY	TIME	LATITUDE	LONGITUDE
45	60	03	28	820	3704 S	15008 E

DEPTH	TEMP.	Cl %.	σ _t	O ₂	O ₂ % SAT.	INORG P	TOTAL P
	2010	1971	2521	533	107		60
10	2010	1971	2521	571	114		55
20	2000	1975	2530	533	107		50
30	1990	1971	2529	533	105		69
40	1730	1962	2580	487	93		156
50	1640	1965	2606	463	87		95
70	1430	1956	2638	419	75		143

STATION	YEAR	MONTH	DAY	TIME	LATITUDE	LONGITUDE
45	60	04	26	825	3704 S	15008 E

DEPTH	TEMP.	Cl ‰	σ_t	O ₂	O ₂ % SAT.	INORG P	TOTAL P
10	1830	1973	2571	511	99		52
20	1820	1974	2575	511	99		53
30	1820	1977	2579	511	99		76
40	1825	1977	2579	509	99		59
50	1815	1977	2578	509	99		52
70	1815	1972	2580	509	98		75
			2574	502	97		

STATION	YEAR	MONTH	DAY	TIME	LATITUDE	LONGITUDE
45	60	06	08	900	3704 S	15008 E

DEPTH	TEMP.	Cl ‰	σ_t	O ₂	O ₂ % SAT.	INORG P	TOTAL P
10	1680	1970	2604	538	102	49	65
20	1670	1970	2606	538	102	46	74
30	1580	1968	2622	538	99	45	84
40	1510	1966	2637	538	98	44	59
50	1510	1964	2634	535	97	61	61
70	1500	1962	2634	547	99	50	55
	1500	1962	2633	529	96	50	74

STATION	YEAR	MONTH	DAY	TIME	LATITUDE	LONGITUDE
45	60	07	18	855	3704 S	15008 E

DEPTH	TEMP.	Cl ‰	σ _t	O ₂	O ₂ % SAT.	INORG P	TOTAL P
	1290	1938	2644	604	105	61	88
10	1290	1939	2645	589	102	62	89
20	1290	1942	2649	590	103	55	81
30	1290	1939	2645	604	105	55	85
40	1310	1944	2647	597	104	48	62
50	1300	1944	2649	607	106	53	75
70	1300	1943	2647	586	102	59	85

STATION	YEAR	MONTH	DAY	TIME	LATITUDE	LONGITUDE
45	60	02	04	815	3704 S	15013 E

DEPTH	TEMP.	Cl ‰	σ _t	O ₂	O ₂ % SAT.	INORG P	TOTAL P
	2160	1977	2489	529	109		37
10	2160	1975	2482	520	107		51
20	2150	1975	2490	525	108		36
30	2040	1963	2502	550	110		33
40	1980	1960	2514	538	107		38
50	1960	1960	2519	529	105		60
75	1750	1959	2571	471	90		69
90	1670	1957	2588	435	82		76

STATION	YEAR	MONTH	DAY	TIME	LATITUDE	LONGITUDE
45	60	02	29	925	3704 S	15013 E

DEPTH	TEMP.	Cl ‰	σ _t	O ₂	O ₂ % SAT.	INORG P	TOTAL P
10	2150	1979	2494	530	109		63
20	2140	1979	2501	519	106		48
30	2135	1978	2501	524	107		73
40	2090	1977	2508	524	107		100
50	2005	1974	2513	514	104		100
75	1470	1957	2528	501	100		48
90	1470	1957	2631	448	81		114
				442	80		105

STATION	YEAR	MONTH	DAY	TIME	LATITUDE	LONGITUDE
45	60	03	28	91	3704 S	15013 E

DEPTH	TEMP.	Cl ‰	σ _t	O ₂	O ₂ % SAT.	INORG P	TOTAL P
10	2110	1977	2502	519	106		60
20	2110	1975	2500	537	109		50
30	2110	1976	2501	519	105		65
40	2100	1977	2505	509	103		64
50	1890	1966	2546	515	101		117
75	1390	1965	2582	484	92		73
90	1310	1954	2645	441	76		142
		1948	2654	448	78		115

STATION	YEAR	MONTH	DAY	TIME	LATITUDE	LONGITUDE
45	60	04	25	915	3704 S	15013 E

DEPTH	TEMP.	Cl ‰	σ _t	O ₂	% SAT.	INORG P	TOTAL P
	1830	1978	2578	520	101		55
10	1840	1977	2573	516	100		49
20	1830	1977	2576	511	99		49
30	1830	1977	2576	511	99		43
40	1810	1977	2580	509	98		48
50	1815	1977	2579	504	95		37
75	1770	1971	2583	496	95		68
90	1760	1971	2586	504	97		70

STATION	YEAR	MONTH	DAY	TIME	LATITUDE	LONGITUDE
45	60	06	08	1005	3704 S	15013 E

DEPTH	TEMP.	Cl ‰	σ _t	O ₂	% SAT.	INORG P	TOTAL P
	1700	1969	2599	544	103	43	52
10	1700	1969	2599	535	102	36	62
20	1700	1971	2601	535	102	40	63
30	1670	1970	2607	547	103	40	62
40	1670	1970	2607	541	102	41	59
50	1620	1965	2611	524	98	46	67
75	1490	1961	2455	527	95	55	81
90	1490	1961	2455	524	95	72	72

STATION	YEAR	MONTH	DAY	TIME	LATITUDE	LONGITUDE
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45 60 07 18 945 3704 S 15013 E

DEPTH	TEMP.	CI ‰	σ _t	O ₂	O ₂ % SAT.	INORG P	TOTAL P
						103	
10	1270	1937	2658	607	105		
20	1270	1943	2654	594	103	63	
30	1280	1944	2654	586	102	59	
40	1300	1947	2654	586	102	62	
50	1320	1948	2650	586	102	68	
75		1948		586		62	
90	1290	1948	2656	610	106	49	

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STATION	YEAR	MONTH	DAY	TIME	LATITUDE	LONGITUDE
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45 60 02 04 935 3704 S 15018 E

DEPTH	TEMP.	CI ‰	σ _t	O ₂	O ₂ % SAT.	INORG P	TOTAL P
10	2120	1976	2499	529	108		43
20	2060	1971	2508	529	107		49
30	1990	1962	2513	538	107		36
40	1980	1959	2513	531	106		45
50	1975	1959	2514	534	106		43
75	1975	1959	2514	531	109		39
90	1900	1963	2540	529	104		39
100	1550	1958	2617	430	76		141

STATION	YEAR	MONTH	DAY	TIME	LATITUDE	LONGITUDE
45	60	02	29	1020	3704 S	15018 E

DEPTH	TEMP.	CI %.	σ_t	O ₂	O ₂ % SAT.	INORG P	TOTAL P
	21.50	19.80	24.95	5.14	106		4.6
10	21.40	19.83	25.01	5.14	105		4.3
20	21.40	19.79	24.97	5.14	105		3.3
30	21.25	19.62	25.04	5.14	105		5.3
40	21.20	19.82	25.06	5.14	105		4.0
50	21.30	19.82	25.03	5.24	107		4.0
75	17.40	19.70	25.90	4.40	84		7.3
100	15.00	19.59	26.30	4.40	80		8.6

STATION	YEAR	MONTH	DAY	TIME	LATITUDE	LONGITUDE
45	60	03	28	1020	3704 S	15018 E

DEPTH	TEMP.	CI %.	σ_t	O ₂	O ₂ % SAT.	INORG P	TOTAL P
	21.10	19.80	25.07	5.15	105		5.2
10	21.10	19.80	25.07	5.15	105		5.1
20	21.10	19.80	25.07	5.15	105		5.1
30	21.05	19.80	25.08	5.15	105		5.0
40	21.00	19.80	25.10	5.07	103		5.0
50	19.50	19.72	25.39	4.97	99		5.2
75	16.40	19.66	26.08	4.63	87		9.1
100	13.70	19.54	26.48	4.57	81		8.9

STATION	YEAR	MONTH	DAY	TIME	LATITUDE	LONGITUDE
45	60	04	26	103	3704 S	15018 E

DEPTH	TEMP.	Cl ‰	σ _t	O ₂	O ₂ % SAT.	INORG P	TOTAL P
	1810	1975	2578	524	101		55
10	1800	1977	2582	519	100		55
20	1800	1977	2582	519	100		81
30	1790	1977	2585	519	100		63
40	1780	1974	2584	519	100		61
50	1765	1968	2581	505	97		57
75	1750	1970	2587	509	97		68
100	1730	1972	2594	512	98		72

STATION	YEAR	MONTH	DAY	TIME	LATITUDE	LONGITUDE
45	60	06	08	1055	3704 S	15018 E

DEPTH	TEMP.	Cl ‰	σ _t	O ₂	O ₂ % SAT.	INORG P	TOTAL P
	1690	1970	2601	544	103	50	50
10	1690	1975	2607			44	55
20	1690	1972	2604	535	101	43	57
30	1690	1971	2603	544	103	45	49
40	1690	1971	2603	535	101	66	64
50	1680	1971	2605	538	102	50	57
75	1570	1962	2617	535	99	80	
100	1470	1959	2455	480	87	86	84

STATION	YEAR	MONTH	DAY	TIME	LATITUDE	LONGITUDE
45	60	07	18	1055	3704 S	15018 E

DEPTH	TEMP.	CI ‰	σ _t	O ₂	O ₂ % SAT.	INORG P	TOTAL P
			2649	574	102	55	90
10	1370	1955	2649	571	101	62	92
20	1360	1955	2651	571	101	50	66
30	1350	1951	2649	571	101	59	76
40	1345	1951	2649	580	102	52	71
50	1330	1951	2652	574	101	52	84
75		1951		569		59	66
100	1300	1953	2661	569	99	55	74

STATION	YEAR	MONTH	DAY	TIME	LATITUDE	LONGITUDE
45	60	02	04	1045	3704 S	15023 E

DEPTH	TEMP.	CI ‰	σ _t	O ₂	O ₂ % SAT.	INORG P	TOTAL P
			2501	538	108		53
25	2020	1958	2501	538	107		59
50	1970	1958	2513	531			43
75	1940	1958	2522	525	104		39
100	1620	1959	2604	462	86		52
125	1490	1959	2630	440	80		66
150	1485	1959	2631	437	79		76
175	1460	1957	2633	435	78		73
200	1460	1957	2633	426	77		76

STATION	YEAR	MONTH	DAY	TIME	LATITUDE	LONGITUDE
45	60	02	29	1150	3704 S	15023 E

DEPTH	TEMP.	Cl ‰	σ _t	O ₂	O ₂ % SAT.	INORG P	TOTAL P
25	2100	1981	2510	524	107		63
50	2090	1981	2513	535	109		62
75	2050	1979	2521	527	106		46
100	1820	1972	2551	507	100		35
125	1730	1973	2573	464	90		71
150	1610	1976	2592	455	87		63
175	1565	1961	2608	422	78		67
200	1540	1959	2621	428	78		130

STATION	YEAR	MONTH	DAY	TIME	LATITUDE	LONGITUDE
45	60	03	28	1140	3704 S	15023 E

DEPTH	TEMP.	Cl ‰	σ _t	O ₂	O ₂ % SAT.	INORG P	TOTAL P
25	2170	1987	2500	502	104		59
50	2020	1987	2501	502	103		44
75	1910	1978	2530	519	104		93
100	1770	1978	2558	466	92		69
125	1630	1972	2584	443	85		78
150	1560	1964	2608	436	81		90
175	1470	1964	2623	448	82		130
200	1430	1960	2637	445	80		132
		1956	2639	446	80		119

STATION	YEAR	MONTH	DAY	TIME	LATITUDE	LONGITUDE
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45 60 04 26 1155 3704 S 15023 E

DEPTH	TEMP.	Cl %.	σ _t	O ₂	O ₂ % SAT.	INORG P	TOTAL P
	1775	1975	2587	516	99		114
25	1770	1973	2586	516	99		149
50	1750	1972	2590	512	98		90
75	1740	1972	2592	512	98		62
100	1740	1972	2592	512	98		62
125	1730	1968	2590	512	98		75
150	1720	1967	2590	505	96		55
175	1330	1954	2657	487	85		111
200	1200	1954	2683	485	83		107

STATION	YEAR	MONTH	DAY	TIME	LATITUDE	LONGITUDE
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45 60 06 08 121 3704 S 15023 E

DEPTH	TEMP.	Cl %.	σ _t	O ₂	O ₂ % SAT.	INORG P	TOTAL P
	1760	1975	2590	535	102	55	67
25	1720	1973	2597	541	103	46	50
50	1695	1971	2601	538	102	49	79
75	1680	1970	2604	529	99	39	61
100	1640	1967	2610	524	98	44	50
125	1555	1959	2618	541	99	33	120
150	1460	1955	2632	466	84	77	89
175	1500	1966	2639	538	98	39	93
200	1480	1965	2640	544	98	37	61

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STATION	YEAR	MONTH	DAY	TIME	LATITUDE	LONGITUDE
45	60	09	18	121	3704 S	15023 E

DEPTH	TEMP.	CI %.	σ_t	O ₂	O ₂ % SAT.	INORG P	TOTAL P
	1500	1967	2641	550	100	85	
25	1500	1967	2641	556	101	92	
50	1460	1965	2645	569	103	81	
75	1390	1956	2646	553	98	86	
100	1360	1955	2651	553	98	77	
125	1360	1952	2647	550	97	81	
150	1330	1952	2654	571	100	72	
175	1320	1953	2657	571	100	75	
200	1320	1953	2657	564	99	75	

STATION	YEAR	MONTH	DAY	TIME	LATITUDE	LONGITUDE
45	60	06	08	1305	3704 S	15028 E

DEPTH	TEMP.	CI %.	σ_t	O ₂	O ₂ % SAT.	INORG P	TOTAL P
	1750	1975	2593	524	101	39	62
25	1740	1975	2799	530	101	46	59
50	1700	1972	2601	512	97	43	79
75	1670	1965	2599	516	97	40	59
100	1625	1964	2609	524	98	44	70
150	1460	1958	2630	455	82	65	88
200	1380	1952	2642	455	81	88	110
300	1200	1941	2666	460	78	98	132
500	0940	1922	2681	475	76	152	155

DATA
PART 2
ZOOPLANKTON

ZOOPLANKTON BIOMASS

TRAVERSE 40 OFF JERVIS BAY OBLIQUE HAULS LATITUDE 35°07'S LONGITUDE 150°57'E

DATE	TIME	DEPTH m	WATER FILTERED m ³	BIOMASS mg/m ³
13.2.60	0645	50-0	4.5	58
	0625	100-50	5.8	28
12.3.60	0730	50-0	3.7	176*
	0710	100-50	5.6	50
8.4.60	0700	50-0	4.4	150
	0645	100-50	5.1	67
26.5.60	0725	50-0	4.4	68
	0715	100-50	4.9	27
30.6.60	0745	50-0	4.8	50
	0730	100-50	4.5	33
25.7.60	0735	50-0	4.3	23
	0725	100-50	4.2	24
19.8.60	-	50-0	2.8	203
	-	100-50	3.4	62
29.9.60	-	50-0	1.8	845*
	-	100-50	2.2	195
26.10.60	0600	50-0	5.5	56
	0545	100-50	4.6	24

ZOOPLANKTON BIOMASS

TRAVERSE 35 OFF BATEMAN BAY OBLIQUE HAULS LATITUDE 35°50'S LONGITUDE 150°18'E

DATE	TIME	DEPTH m	WATER FILTERED m ³	BIOMASS mg/m ³
12.2.60	0715	50-0	4.3	35
	0700	100-50	5.4	41
13.3.60	1045	50-0	5.4	1150*
	1030	100-50	4.6	928*
7.4.60	0735	50-0	4.9	45
	0720	100-50	4.0	15
28.5.60	0800	50-0	4.6	54
	0745	100-50	4.0	40
24.6.60	0830	50-0	5.2	8
	0820	100-50	4.7	11
24.7.60	0815	50-0	4.3	9
	0800	100-50	4.9	10
20.8.60	-	50-0	3.3	248
	-	100-50	3.2	37
27.9.60	-	50-0	1.8	61
	-	100-50	2.6	115
24.10.60	0650	50-0	4.0	730*
	0635	100-50	3.9	117

ZOOPLANKTON BIOMASS

TRAVERSE 30 OFF BERMAGUI OBLIQUE HAULS LATITUDE 35°07'S LONGITUDE 150°57'E

DATE	TIME	DEPTH m	WATER		BIOMASS mg/m ³
			DEPTH m	FILTERED m ³	
10.2.60	0711	50-0		4.2	24
	0700	100-50		4.2	17
9.3.60	0720	50-0		4.9	533*
	0700	100-50		5.8	62
6.4.60	0740	50-0		6.0	23
	0730	100-50		5.6	36
4.5.60	0745	50-0		3.9	46
	0730	100-50		5.2	27
29.5.60	1035	50-0		4.0	37
	1025	100-50		5.5	22
23.6.60	0855	50-0		5.1	39
	0845	100-50		4.9	20
27.7.60	1040	50-0		5.2	19
	0950	100-50		5.0	24
21.8.60	-	50-0		2.7	89
	-	100-50		3.6	39
26.9.60	-	50-0		2.9	372
	-	100-50		2.7	67

ZOOPLANKTON BIOMASS

TRAVERSE 45 OFF EDEN OBLIQUE HAULS LATITUDE 37°04'S LONGITUDE 150°18'E

DATE	TIME	DEPTH m	WATER FILTERED m ³	BIOMASS mg/m ³
4.2.60	1005	50-0	5.2	92
	0950	100-50	5.4	43
29.2.60	1055	50-0	4.6	15
	1040	100-50	4.4	20
28.3.60	1050	50-0	5.3	15
	1035	100-50	5.7	16
26.4.60	1100	50-0	4.6	165
	1045	100-50	6.0	150
8.6.60	1125	50-0	5.7	30
	1110	100-50	5.6	21
18.7.60	1120	50-0	4.6	30
	1110	100-50	4.7	23
23.8.60	-	50-0	5.3	40
	-	100-50	3.3	48
22.9.60	-	50-0	2.0	30
	-	100-50	2.6	62
14.10.60	0840	50-0	4.2	793*
	-	100-50	4.7	472

OCEANOGRAPHICAL STATION LISTS

1. Hydrological and planktological observations by F.R.V. *Warreen* in south-eastern Australian waters, 1938-39
2. Hydrological and planktological observations by F.R.V. *Warreen* in south-eastern Australian waters, 1940-42
3. Hydrological and planktological observations by F.R.V. *Warreen* in south-western Australian waters, 1947-50
4. Onshore hydrological investigations in eastern Australia, 1942-50
5. Estuarine hydrological investigations in eastern Australia, 1940-50. Queensland: Nerang and Coomera Rivers, Moreton Bay and Brisbane River, Logan River, Dunwich Oyster Lease; New South Wales: Richmond River, Clarence River, Macleay River, Hastings River, Manning River, Port Stephens, Tilligerry Creek, Hawkesbury River
6. Estuarine hydrological investigations in eastern Australia, 1940-50. New South Wales: Middle Harbour and Port Jackson, Georges River-Botany Bay
7. Estuarine hydrological investigations in eastern Australia, 1940-50. New South Wales: Port Hacking, Lake Illawarra, Shoalhaven River, Jervis Bay, Clyde River, Moruya River, Tuross River, Wagonga Inlet; Victoria: Port Phillip; Tasmania: Tamar River, Derwent River, Huon River, D'Entrecasteaux Channel, Pittwater, Lake Dobson (freshwater), Penna Dam (freshwater)
8. Hydrological investigations in south-western Australia, 1944-50
9. Records of twenty-four hourly hydrological observations at selected stations in eastern Australian estuarine systems, 1942-50. Queensland: Logan River; New South Wales: Richmond River, Clarence River, Macleay River, Hastings River, Manning River, Port Stephens, Hawkesbury River, Georges River, Port Hacking, Clyde River, Tuross River; Tasmania: Tamar River, Derwent River
10. Records of twenty-four hourly hydrological observations at Shell Point, Georges River, New South Wales, 1942-50
11. Analyses of bottom deposits in eastern Australia, 1946-50
12. Estuarine hydrological investigations in eastern and south-western Australia, 1951
13. Analysis of bottom deposits in eastern and south-western Australia, 1951 and records of twenty-four hourly hydrological observations at selected stations in eastern Australian estuarine systems, 1951
14. Onshore hydrological investigations in eastern and south-western Australia, 1951
15. Estuarine hydrological investigations in eastern and south-western Australia, 1952
16. Analysis of bottom deposits in eastern and south-western Australia, 1952 and records of twenty-four hourly hydrological observations at selected stations in eastern Australian estuarine systems, 1952
17. Onshore hydrological investigations in eastern and south-western Australia, 1952
18. Onshore hydrological investigations in eastern and south-western Australia, 1953
19. Onshore planktological investigations in eastern Australia, 1945-54
20. Surface sampling in the Tasman Sea, 1953
21. Estuarine hydrological investigations in eastern and south-western Australia, 1953
22. Further onshore planktological investigations in eastern Australia, 1945-54
23. Planktological investigations made by F.R.V. *Derwent Hunter* in eastern Australian waters, 1952-54
24. Onshore hydrological investigations in eastern and south-western Australia, 1954
25. Surface sampling in the Tasman Sea, 1954
26. Estuarine hydrological investigations in eastern and south-western Australia, 1954

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(Continued)

27. Onshore and oceanic hydrological investigations in eastern and south-western Australia, 1955
28. Surface sampling in the Tasman and Coral Seas, 1955
29. Estuarine hydrological investigations in eastern and south-western Australia, 1955
30. Onshore and oceanic hydrological investigations in eastern and south-western Australia, 1956
31. Surface sampling in the Tasman and Coral Seas and the south-eastern Indian Ocean, 1956
32. Estuarine hydrological investigations in eastern and south-western Australia, 1956
33. Coastal hydrological investigations in eastern and south-western Australia, 1957
34. Coastal hydrological investigations at Port Hacking, New South Wales, 1957
35. Coastal hydrological investigations at Eden, New South Wales, 1957
36. Surface sampling in the Tasman and Coral Seas, 1957
37. Hydrological investigations from F.R.V. *Derwent Hunter*, 1957
38. Coastal hydrological investigations in the New South Wales tuna fishing area, 1958
39. Surface sampling in the Coral and Tasman Seas, 1958
40. Coastal hydrological investigations in south-eastern Australia, 1958
41. Oceanic investigations in eastern Australian waters, F.R.V. *Derwent Hunter*, 1958
42. Coastal investigations at Port Hacking, New South Wales, 1958
43. Oceanic investigations in eastern Australia, H.M.A. Ships *Queenborough*, *Quickmatch*, and *Warrego*, 1958
44. Oceanic observations in Antarctic waters, M.V. *Magga Dan*, 1959
45. Coastal hydrological investigations in eastern Australia, 1959
46. Coastal hydrological investigations in the New South Wales tuna fishing area, 1959
47. Coastal investigations at Port Hacking, New South Wales, 1959
48. Oceanic investigations in eastern Australian waters, F.R.V. *Derwent Hunter*, 1959
49. Coastal hydrological sampling at Rottnest Island, W.A., and Port Moresby, Papua, during the I.G.Y. (1957-58), and surface sampling in the Tasman and Coral Seas, 1959
50. Surface sampling in the Coral and Tasman Seas, 1960
51. Coastal hydrological investigations in eastern Australia, 1960
52. Coastal investigations at Port Hacking, New South Wales, 1960
53. Coastal hydrological investigations in the New South Wales tuna fishing area, 1960