OCEANOGRAPHICAL STATION LIST

VOLUME 85

COASTAL INVESTIGATIONS OFF PORT HACKING,
NEW SOUTH WALES, IN 1965

DIVISION OF FISHERIES AND OCEANOGRAPHY
COMMONWEALTH SCIENTIFIC AND INDUSTRIAL
RESEARCH ORGANIZATION, AUSTRALIA 1970

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MELBOURNE, 1970

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I. INTRODUCTION

This report records the data collected during the regular working of two stations off Port Hacking by M.V. Saga in 1965. The position of the Port Hacking 50 m station is latitude 34° 05'00"S. and longitude 151°12'30"E.; the depth of water is 50–60 m. The 100 m station is latitude 34°05'00"S. and longitude 151°15'30"E.; the depth of water is 100–120 m. During January, February and March a 300 m station was also worked. Its position is latitude 34°06'00"S. and longitude 151°31'00"E.; the depth of water is 300–330 m.

II. METHODS OF COLLECTION AND ANALYSIS OF SAMPLES

1. Physics

Temperature.—Water temperatures were taken with deep-sea reversing thermometers, and readings were corrected for thermal expansion.

Sigma-t.—Sigma-t values were computed from temperature and chlorinity values using the equations of Knudsen (La Fond 1951).

2. Chemistry

Chlorinity.—A chlorinity-temperature meter of the conductivity type (Hamon 1956) was used to measure chlorinity.

Dissolved Oxygen.—A version of the standard Winkler method was used to determine the amount of dissolved oxygen in the sea-water samples. The version used is a modification of that described by Thompson and Robinson (1939) and differs in some respects from the revision by Jacobsen, Robinson, and Thompson (1950). Potassium iodate was used as the iodometric standard and the reagents necessary to fix the oxygen in solution were used at different concentrations (Rochford 1963). Duplicate titrations were made on approximately every tenth sample. Saturation values were computed using the simpler of the equations given by Richards and Corwin (1956) –

$$O_2(\%\ \text{Satn.}) = \frac{O_2\ (\text{ml/l}) \times (33.5 + T°C) \times 100}{332.4 - (1.854 \times S‰)}.$$

Inorganic Phosphate.—The method of Atkins (1923) was used with 1 ml molybdate reagent (300 ml 10% w/v ammonium molybdate and 100 ml 50% v/v sulphuric acid) and 0.1 ml 1% w/v stannous chloride diluted afresh from a 40% stock solution in hydrochloric acid, which was kept under paraffin. The reagents were dispensed automatically by a piston dispenser.

Standard phosphate solutions were made up in distilled water. At air temperatures less than 25°C, analyses were carried out in batches of 10; readings were begun within 10 min of adding reagents, and completed within 10 min. At air temperatures greater than 25°C, batches of 6 were analysed; readings were begun within 5 min of adding reagents, and completed within 7 min. Each batch was compared with a distilled water blank and a 0.65 µg-atom/l standard in a Hilger Spekker absorptiometer using 4 cm cells and Ilford 608 filters. Each day a complete calibration was made using standards up to 3.25 µg-atom/l. Results are given as µg-atom/l with no correction for salt error and are precise to ±10% for values less than 0.5 µg-atom/l and ±5% for higher values. To correct for salt effects the results given should be multiplied by 1.15.

Total Phosphorus.—100 ml samples were drawn from the Nansen bottles into 150 ml Pyrex conical flasks, 0.2 ml of 72% v/v perchloric acid was added, and digestion at 200°-250°C carried out immediately on a sand tray. After evaporation of water, heating was continued until fuming of the salt residue commenced. The samples were then allowed to cool and 100 ml of distilled water and 2 drops of 2% w/v phenolpthalein were added. If alkaline, perchloric acid was added until a slight acidity persisted. The flasks were allowed to stand for about 24 hr to allow the salts to dissolve. Phosphate was then determined as described above for inorganic phosphate. Results are given as µg-atom/l with no correction for salt error. To correct for salt effects the results given should be multiplied by 1.15.

Nitrate.—After collection, water samples were stored in plastic bottles and preserved with 2 drops of saturated $HgCl_2$. Nitrate was determined by the strychnidine method (Rochford 1947). The reagent was prepared by adding 0.64 g of strychnidine to a litre of nitrate-free sulphuric acid. Five ml of this reagent were added, without agitation, to 5 ml of seawater or standard nitrate solution, after previously cooling to approx. 5°C. The standards were made up in artificial seawater preserved with 20 ml/l of saturated $HgCl_2$. The standards and samples were allowed to stand undisturbed for 18 hr to develop the colour. The solutions were read in a Unicam SP

600 spectrophotometer at a wavelength of 530 mμ using a 5 mm cell. Solutions with an absorbance greater than that of the standard corresponding to 7.1 μg-atom/l were diluted with a mixture of equal volumes of artificial sea-water and sulphuric acid before reading. Results are given in μg-atom/l.

3. Phytoplankton

Water samples, 4 l. each, were collected with a Van Dorn sampler at 0, 10, 20, 30, 50, 75, and 100 m. Samples from 0, 10, and 20 m, 30 and 50 m, and 75 and 100 m respectively were combined before further preparation. The combined samples are referred to as surface (S), intermediate (I), and bottom (B) respectively. Samples were collected at weekly intervals at the same time as the station was occupied for hydrological sampling.

After return to shore (an interval not exceeding 180 min) the samples were concentrated in a continuous centrifuge (Davis 1957) and the sedimented organisms resuspended in an aliquot of sea-water previously filtered through a membrane filter of pore size 0.45 μ. Subsamples of 1-5 ml were examined in a gridded chamber at 250X and identification and counts were made. Species requiring more detailed examination were removed with a micro-pipette and wet mounts were examined under higher magnification. Where there was doubt on identification at species level, classification at the generic level was used. The number of organisms counted varied from 0-500, and where numbers were high subsamples were taken after dilution. This reduces the accuracy of the estimate of the rare species present more drastically than it does the accuracy of the estimate of the abundant species.

Identifications were made with the aid of the following references: Wood (1959), Schiller (1933), Hendley (1964) and Allen and Cupp (1935). The names used are those of Wood (1963a, 1963b).

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III. DATA

Data were processed in a C.D.C. 3600 Computer. An explanation of headings used is given at the beginning of each listing.

DATA

PART 1

HYDROLOGY

EXPLANATION OF HEADINGS

Part 1	Hydrology
DATE	Given as day/month/year
TIME	Given in Zone Time, and is the time at the beginning of the first cast. The code letter for the time zone follows the time. Zone Time in all cases was Eastern Australian Standard Time, GMT +10 hr, Code K
LATITUDE LONGITUDE	Given in degrees and minutes
DEPTH	Sampling depth given in metres
TEMP.	Sea temperatures recorded in °C
CHLORINITY	Given in parts per thousand
SIGMA-T	Sigma-t to 2 decimal places
OXYGEN	Given in ml/l
OXYGEN % SAT.	Oxygen percentage saturation
I.P.	Inorganic phosphorus given in µg-atom/l
TOTAL P	Total phosphorus given in ug-atom/l
NITRATE	Given in µg-atom/l

*** or a blank indicates no data available

STATION	DATE	TIME	LATITUDE	LONGITUDE
PT HACKING 1965	5/ 1/65		34 5 S	151 13 E

DEPTH	TEMP.	CHLORINITY	SIGMA-T	OXYGEN	OXYGEN % SAT.	I.P.	PART P	TOTAL P	NITRATE
0	20.51	19.76	25.18	5.14	104	0.16	***	0.38	0.1
10	20.16	19.75	25.26	5.20	105	0.13	***	0.40	0.2
20	19.65	19.72	25.34	5.32	106	0.16	***	0.52	0.3
30	19.18	19.72	25.47	5.31	105	0.16	***	0.48	0.1
40	18.58	19.71	25.61	5.26	103	0.19	***	0.52	0.2
50	18.03	19.70	25.73	5.03	97	0.29	***	0.64	1.1

STATION	DATE	TIME	LATITUDE	LONGITUDE
PT HACKING 1965	5/ 1/65		34 5 S	151 16 E

DEPTH	TEMP.	CHLORINITY	SIGMA-T	OXYGEN	OXYGEN % SAT.	I.P.	PART P	TOTAL P	NITRATE
0	20.54	19.76	25.17	5.20	106	0.12	***	0.36	0.3
10	20.25	19.76	25.25	5.19	105	0.15	***	0.44	0.2
20	20.19	19.75	25.25	5.26	106	0.11	***	0.40	0.0
30	19.37	19.75	25.39	5.34	107	0.16	***	0.48	0.2
40	16.65	19.73	25.62	5.17	101	0.22	***	0.64	0.8
50	17.88	19.73	25.81	4.73	91	0.34	***	0.62	2.9
75	17.07	19.70	25.97	4.58	85	0.46	***	0.70	4.9
100	15.31	19.63	26.28	4.11	75	0.69	***	1.08	8.7

STATION	DATE	TIME	LATITUDE	LONGITUDE
PT HACKING 1965	5/ 1/65		34 6 S	151 31 E

DEPTH	TEMP.	CHLORINITY	SIGMA-T	OXYGEN	OXYGEN % SAT.	I.P.	PART P	TOTAL P	NITRATE
0	20.67	19.76	25.14	5.04	103	0.20	***	0.38	0.0
25	20.61	19.75	25.14	5.09	103	0.16	***	0.54	0.5
50	19.03	19.73	25.53	4.68	92	0.31	***	0.52	2.0
75	18.77	19.73	25.59	4.73	93	0.34	***	0.52	2.8
100	18.39	19.72	25.67	4.41	86	0.42	***	0.64	3.6
125	16.52	19.65	26.03	4.09	77	0.60	***	0.88	6.9
150	16.05	19.64	26.12	4.07	76	0.62	***	0.82	8.1
200	14.76	19.62	26.39	4.62	84	0.57	***	0.88	8.0
250	13.83	19.59	26.54	4.84	86	0.59	***	0.88	7.5
300	13.48	19.59	26.62	5.04	89	0.57	***	0.90	7.5

STATION	DATE	TIME	LATITUDE	LONGITUDE
PT HACKING 1965	13/ 1/65		34 5 S	151 13 E

DEPTH	TEMP.	CHLORINITY	SIGMA-T	OXYGEN	OXYGEN % SAT.	I.P.	PART P	TOTAL P	NITRATE
0	19.98	19.70	25.24	5.16	104	0.12	***	0.50	0.5
10	19.96	19.70	25.24	5.16	104	0.09	***	0.58	0.1
20	19.86	19.70	25.27	5.17	104	0.12	***	0.70	0.1
30	19.83	19.70	25.27	5.17	103	0.12	***	0.60	0.1
40	18.81	19.69	25.52	4.80	94	0.26	***	0.74	1.3
50	18.12	19.67	25.67	4.61	89	0.36	***	0.72	2.8

STATION	DATE	TIME	LATITUDE	LONGITUDE
PT HACKING 1965	13/ 1/65		34 5 S	151 16 E

DEPTH	TEMP.	CHLORINITY	SIGMA-T	OXYGEN	OXYGEN % SAT.	I.P.	PART P	TOTAL P	NITRATE
0	20.24	19.70	25.17	5.14	104	0.12	***	0.62	0.1
10	20.20	19.70	25.18	5.17	104	0.13	***	0.70	0.1
20	20.06	19.70	25.21	5.17	104	0.12	***	0.50	0.1
30	19.76	19.70	25.29	5.16	103	0.13	***	0.50	0.1
40	19.32	19.69	25.39	4.97	99	0.15	***	0.64	0.3
50	18.74	19.69	25.54	4.89	96	0.22	***	0.64	0.9
75	17.69	19.67	25.77	4.51	87	0.37	***	0.80	2.8
100	15.68	19.60	26.15	4.06	75	0.66	***	1.06	8.0

STATION	DATE	TIME	LATITUDE	LONGITUDE
PT HACKING 1965	13/ 1/65		34 6 S	151 31 E

DEPTH	TEMP.	CHLORINITY	SIGMA-T	OXYGEN	OXYGEN % SAT.	I.P.	PART P	TOTAL P	NITRATE
0	21.02	19.72	24.98	4.97	102	0.09	***	0.48	0.1
25	20.22	19.72	25.20	5.17	104	0.11	***	0.50	0.0
50	19.54	19.71	25.37	5.14	102	0.11	***	0.50	0.1
75	18.90	19.71	25.53	4.81	95	0.23	***	0.50	2.2
100	17.87	19.67	25.73	4.74	91	0.25	***	0.58	2.2
150	16.25	19.62	26.05	4.67	87	0.39	***	0.66	4.5
200	14.95	19.59	26.30	4.75	86	0.44	***	0.70	5.5
250	11.91	19.43	26.70	4.58	78	0.80	***	1.04	13.2
308	11.38	19.40	26.76	4.70	79	0.81	***	1.12	13.5

STATION	DATE	TIME	LATITUDE	LONGITUDE
PT HACKING 1965	21/ 1/65		34 5 S	151 13 E

DEPTH	TEMP.	CHLORINITY	SIGMA-T	OXYGEN	OXYGEN % SAT.	I.P.	PART P	TOTAL P	NITRATE
0	20.62	19.72	25.01	5.08	104	0.14	***	0.46	0.0
10	20.68	19.72	25.07	5.06	103	0.15	***	0.64	0.0
20	19.96	19.69	25.23	4.86	98	0.26	***	0.82	0.7
30	16.82	19.67	25.49	4.91	96	0.34	***	0.64	1.6
40	17.37	19.64	25.41	4.59	88	0.43	***	0.80	4.1
50	16.80	19.63	25.93	4.46	84	0.48	***	0.80	5.3

STATION	DATE	TIME	LATITUDE	LONGITUDE
PT HACKING 1965	21/ 1/65		34 5 S	151 16 E

DEPTH	TEMP.	CHLORINITY	SIGMA-T	OXYGEN	OXYGEN % SAT.	I.P.	PART P	TOTAL P	NITRATE
0	20.95	19.72	25.00	5.06	103	0.15	***	0.44	0.0
10	20.75	19.72	25.05	5.08	103	0.14	***	0.46	0.0
20	20.66	19.72	25.08	5.06	103	0.15	***	0.46	0.0
30	20.24	19.71	25.17	4.98	100	0.19	***	0.50	0.2
40	18.66	19.68	25.55	4.69	92	0.29	***	0.60	1.8
50	17.44	19.66	25.82	4.37	84	0.48	***	0.74	4.4
75	15.23	19.58	26.23	4.28	78	0.60	***	0.96	8.5
100	13.70	19.54	26.50	4.47	79	0.71	***	1.04	11.0

STATION	DATE	TIME	LATITUDE	LONGITUDE
PT HACKING 1965	21/ 1/65		34 6 S	151 31 E

DEPTH	TEMP.	CHLORINITY	SIGMA-T	OXYGEN	OXYGEN % SAT.	I.P.	PART P	TOTAL P	NITRATE
0	21.94	19.75	24.76	4.97	103	0.14	***	0.64	0.6
25	21.08	19.73	24.99	5.02	103	0.15	***	0.48	***
50	18.76	19.70	25.55	4.58	90	0.37	***	0.58	3.1
75	17.67	19.67	25.78	4.41	85	0.56	***	0.62	4.6
100	16.82	19.65	25.95	4.33	82	0.54	***	0.76	6.1
150	14.87	19.58	26.30	4.44	80	0.60	***	0.88	8.6
200	13.48	19.52	26.52	4.63	81	0.76	***	0.94	10.0
250	12.29	19.45	26.65	4.52	77	0.89	***	1.08	13.5
300	11.84	19.42	26.71	4.66	79	0.88	***	1.16	13.3

STATION	DATE	TIME	LATITUDE	LONGITUDE
PT HACKING 1965	27/ 1/65		34 5 S	151 13 E

DEPTH	TEMP.	CHLORINITY	SIGMA-T	OXYGEN	OXYGEN % SAT.	I.P.	PART P	TOTAL P	NITRATE
0	20.82	19.73	25.05	5.04	103	0.15	***	0.70	0.0
10	20.82	19.73	25.05	5.08	104	0.15	***	0.40	0.0
20	20.83	19.73	25.05	5.05	103	0.18	***	0.56	0.0
30	20.71	19.73	25.08	5.04	103	0.17	***	0.66	0.1
40	19.99	19.70	25.23	5.11	103	0.20	***	0.92	0.0
50	19.29	19.68	25.38	4.56	90	0.32	***	0.72	1.6

STATION	DATE	TIME	LATITUDE	LONGITUDE
PT HACKING 1965	27/ 1/65		34 5 S	151 16 E

DEPTH	TEMP.	CHLORINITY	SIGMA-T	OXYGEN	OXYGEN % SAT.	I.P.	PART P	TOTAL P	NITRATE
0	21.11	19.72	24.95	5.04	103	0.16	***	0.50	0.0
10	21.11	19.73	24.97	5.02	103	0.13	***	0.46	0.0
20	21.09	19.73	24.98	5.02	103	0.12	***	0.48	0.0
30	19.85	19.72	25.29	5.09	102	0.18	***	0.44	0.0
40	18.79	19.69	25.53	4.88	96	0.22	***	0.66	0.1
50	18.04	19.68	25.70	4.61	89	0.33	***	0.58	3.0
75	16.67	19.64	25.98	4.24	80	0.54	***	0.80	6.7
100	15.21	19.59	26.24	4.21	77	0.66	***	0.88	8.7

STATION	DATE	TIME	LATITUDE	LONGITUDE
PT HACKING 1965	27/ 1/65		34 6 S	151 31 E

DEPTH	TEMP.	CHLORINITY	SIGMA-T	OXYGEN	OXYGEN % SAT.	I.P.	PART P	TOTAL P	NITRATE
0	21.72	19.76	24.85	4.99	104	0.15	***	0.34	0.0
25	21.64	19.76	24.87	4.99	103	0.18	***	0.38	0.0
50	20.14	19.73	25.23	5.05	102	0.16	***	0.44	0.0
75	18.36	19.69	25.64	4.55	89	0.18	***	0.50	2.0
100	17.25	19.66	25.87	4.41	84	0.43	***	0.66	4.7
150	15.03	19.58	26.27	4.30	78	0.58	***	0.80	10.0
200	12.96	19.51	26.61	4.76	83	0.66	***	0.96	10.6
250	12.01	19.44	26.70	4.64	79	0.82	***	0.96	13.4
300	11.34	19.39	26.76	4.63	78	0.87	***	1.20	14.3

STATION	DATE	TIME	LATITUDE	LONGITUDE
PT HACKING 1965	2/ 2/65		34 5 S	151 13 E

DEPTH	TEMP.	CHLORINITY	SIGMA-T	OXYGEN	OXYGEN % SAT.	I.P.	PART P	TOTAL P	NITRATE
0	21.41	19.74	24.90	5.05	104	0.20	***	0.38	0.1
10	21.01	19.74	25.01	5.08	104	0.20	***	0.44	0.0
20	20.90	19.74	25.04	5.11	104	0.22	***	0.44	0.0
30	20.12	19.72	25.22	5.05	102	0.25	***	0.44	0.0
40	19.46	19.69	25.36	4.70	93	0.39	***	0.50	1.1
50	18.54	19.67	25.56	4.44	87	0.46	***	0.58	2.9

STATION	DATE	TIME	LATITUDE	LONGITUDE
PT HACKING 1965	2/ 2/65		34 5 S	151 16 E

DEPTH	TEMP.	CHLORINITY	SIGMA-T	OXYGEN	OXYGEN % SAT.	I.P.	PART P	TOTAL P	NITRATE
0	21.53	19.76	24.90	5.01	104	0.12	***	0.36	0.0
10	21.01	19.75	25.03	5.03	103	0.13	***	0.36	0.0
20	20.98	19.74	25.02	5.04	103	0.12	***	0.36	0.0
30	20.12	19.71	25.21	5.12	103	0.15	***	0.76	0.0
40	19.23	19.69	25.42	4.97	98	0.20	***	0.54	0.0
50	18.07	19.67	25.68	4.70	91	0.32	***	0.38	1.6
75	17.37	19.66	25.84	4.36	83	0.30	***	0.34	5.3
100	16.23	19.61	26.04	4.24	79	0.58	***	0.72	7.5

STATION	DATE	TIME	LATITUDE	LONGITUDE
PT HACKING 1965	2/ 2/65		34 6 S	151 31 E

DEPTH	TEMP.	CHLORINITY	SIGMA-T	OXYGEN	OXYGEN % SAT.	I.P.	PART P	TOTAL P	NITRATE
0	22,74	19,75	24,54	4,94	104	0,14	***	0,50	0,2
25	21,45	19,74	24,89	5,10	105	0,13	***	0,34	0,0
50	19,63	19,70	25,33	4,82	96	0,24	***	0,50	0,2
75	18,03	19,67	25,69	4,47	86	0,43	***	0,68	4,0
100	16,69	19,63	25,96	4,24	80	0,58	***	0,72	6,8
150	13,57	19,52	26,50	4,58	81	0,74	***	0,92	10,7
200	12,42	19,47	26,66	4,64	80	0,72	***	0,88	12,5
250	11,10	19,37	26,77	4,65	78	0,88	***	1,08	15,6
300	10,03	19,29	26,85	4,53	74	1,01	***	***	18,4

STATION	DATE	TIME	LATITUDE	LONGITUDE
PT HACKING 1965	9/ 2/65		34 5 S	151 13 E

DEPTH	TEMP.	CHLORINITY	SIGMA-T	OXYGEN	OXYGEN % SAT.	I.P.	PART P	TOTAL P	NITRATE
0	22,70	19,78	24,59	4,88	103	0,16	***	0,34	0,3
10	21,73	19,77	24,86	5,05	105	0,14	***	0,46	0,4
20	20,28	19,74	25,21	4,86	98	0,22	***	0,56	1,1
30	19,30	19,71	25,43	4,62	92	0,38	***	0,74	2,1
40	17,84	19,67	25,74	4,31	83	0,49	***	0,68	4,3
50	16,56	19,63	25,99	4,17	78	0,62	***	0,96	***

STATION	DATE	TIME	LATITUDE	LONGITUDE
PT HACKING 1965	9/ 2/65		34 5 S	151 16 E

DEPTH	TEMP.	CHLORINITY	SIGMA-T	OXYGEN	OXYGEN % SAT.	I.P.	PART P	TOTAL P	NITRATE
0	24.53	19.77	24.04	4.98	109	0.11	***	0.40	0.2
10	22.23	19.78	24.73	4.98	104	0.09	***	0.32	0.2
20	21.06	19.74	25.00	5.10	104	0.14	***	0.50	0.4
30	19.72	19.70	25.30	5.10	102	0.18	***	0.48	0.2
40	18.02	19.68	25.71	4.66	90	0.37	***	0.56	2.4
50	17.49	19.68	25.84	4.48	86	0.44	***	0.66	4.1
75	16.25	19.63	26.06	4.12	77	0.66	***	0.86	7.2
100	14.92	19.60	26.32	4.11	75	0.75	***	1.00	8.7

STATION	DATE	TIME	LATITUDE	LONGITUDE
PT HACKING 1965	9/ 2/65		34 6 S	151 31 E

DEPTH	TEMP.	CHLORINITY	SIGMA-T	OXYGEN	OXYGEN % SAT.	I.P.	PART P	TOTAL P	NITRATE
0	22.56	19.78	24.63	4.84	102	0.08	***	0.36	0.4
25	22.29	19.78	24.71	4.92	103	0.09	***	0.34	0.3
50	18.79	19.70	25.54	4.93	97	0.21	***	0.44	0.6
75	16.58	19.65	26.02	4.17	78	0.59	***	0.86	7.9
100	14.98	19.60	26.31	4.33	79	0.66	***	0.88	11.2
150	13.28	19.51	26.55	4.37	77	0.83	***	1.04	11.3
200	11.99	19.44	26.70	4.58	78	0.83	***	1.08	13.3
250	11.19	19.39	26.78	4.63	77	0.88	***	***	13.4
300	10.73	19.35	26.81	4.61	76	0.98	***	***	14.3

STATION	DATE	TIME	LATITUDE	LONGITUDE
PT HACKING 1965	16/ 2/65		34 5 S	151 13 E

DEPTH	TEMP.	CHLORINITY	SIGMA-T	OXYGEN	OXYGEN % SAT.	I.P.	PART P	TOTAL P	NITRATE
0	21.80	19.77	24.83	4.98	103	0.25	***	0.52	0.9
10	21.50	19.67	24.78	4.12	85	0.57	***	0.86	5.4
20	17.00	19.62	25.87	4.01	76	0.68	***	0.88	7.3
30	16.70	19.61	25.93	3.97	75	0.70	***	0.94	8.2
40	16.70	19.61	25.93	4.01	75	0.70	***	0.84	7.8
50	16.40	19.60	25.99	4.06	76	0.76	***	1.18	8.5

STATION	DATE	TIME	LATITUDE	LONGITUDE
PT HACKING 1965	16/ 2/65		34 5 S	151 16 E

DEPTH	TEMP.	CHLORINITY	SIGMA-T	OXYGEN	OXYGEN % SAT.	I.P.	PART P	TOTAL P	NITRATE
0	20.73	19.80	25.17	4.85	99	0.44	***	0.66	1.6
10	19.39	19.70	25.39	4.47	89	0.49	***	0.62	3.0
20	16.49	19.64	26.02	4.04	76	0.79	***	0.82	7.3
40	16.00	19.61	26.10	4.08	76	0.73	***	0.82	7.6
50	15.87	19.61	26.13	4.13	76	0.77	***	0.96	7.5
75	15.39	19.60	26.22	4.01	73	0.85	***	0.88	8.8
100	14.30	19.57	26.41	4.06	73	0.84	***	0.88	9.9

STATION	DATE	TIME	LATITUDE	LONGITUDE
PT HACKING 1965	16/ 2/65		34 6 S	151 31 E

DEPTH	TEMP.	CHLORINITY	SIGMA-T	OXYGEN	OXYGEN % SAT.	I.P.	PART P	TOTAL P	NITRATE
0	22.38	19.77	24.67	4.94	104	0.13	***	0.32	0.6
25	21.73	19.82	24.93	5.00	104	0.12	***	0.40	0.4
50	21.66	19.80	24.92	4.99	103	0.09	***	0.32	0.3
75	20.43	19.76	25.20	4.90	99	0.20	***	0.42	0.8
100	18.92	19.72	25.53	4.49	88	0.35	***	0.60	3.5
150	18.36	19.70	25.65	4.40	86	0.47	***	0.52	4.1
200	17.95	19.69	25.74	4.32	83	0.52	***	0.58	4.7
250	17.15	19.66	25.90	4.29	82	0.54	***	0.68	5.7
300	15.91	19.64	26.15	4.16	77	0.63	***	0.70	6.7

STATION	DATE	TIME	LATITUDE	LONGITUDE
PT HACKING 1965	22/ 2/65		34 5 S	151 13 E

DEPTH	TEMP.	CHLORINITY	SIGMA-T	OXYGEN	OXYGEN % SAT.	I.P.	PART P	TOTAL P	NITRATE
0	21.39	19.68	24.82	5.57	115	0.21	***	0.52	0.9
10	17.94	19.67	25.71	4.86	94	0.39	***	0.68	2.9
20	17.74	19.67	25.76	4.51	87	0.48	***	0.68	4.1
30	17.47	19.67	25.83	4.48	86	0.52	***	0.60	4.4
40	17.41	19.66	25.83	4.41	84	0.52	***	0.68	4.9
50	17.30	19.65	25.84	4.30	82	0.62	***	0.86	4.9

STATION	DATE	TIME	LATITUDE	LONGITUDE
PT.HACKING 1965	1/ 3/65		34 5 S	151 13 E

DEPTH	TEMP.	CHLORINITY	SIGMA-T	OXYGEN	OXYGEN % SAT.	I.P.	PART P	TOTAL P	NITRATE
0	21,43	19,69	24,83	5,05	104	0,21	***	0,38	0,4
10	20,72	19,68	25,01	5,00	102	0,28	***	0,48	1,1
20	19,22	19,67	25,39	4,93	98	0,35	***	0,56	1,3
30	17,94	19,67	25,71	4,23	82	0,55	***	0,72	3,5
40	17,82	19,68	25,76	4,21	81	0,60	***	0,72	3,8
50	17,69	19,66	25,76	4,13	79	0,60	***	0,76	4,0

STATION	DATE	TIME	LATITUDE	LONGITUDE
PT HACKING 1965	17 3/65		34 5 S	151 16 E

DEPTH	TEMP.	CHLORINITY	SIGMA-T	OXYGEN	OXYGEN % SAT.	I.P.	PART P	TOTAL P	NITRATE
0	21.63	19.70	24.79	5.14	106	0.15	***	0.44	0.3
10	21.22	19.69	24.89	5.19	107	0.11	***	0.40	0.2
20	19.78	19.69	25.27	5.30	106	0.19	***	0.42	0.4
30	18.26	19.69	25.66	4.91	95	0.31	***	0.56	1.3
40	17.83	19.67	25.74	4.24	82	0.51	***	0.74	2.8
50	17.74	19.68	25.77	4.13	79	0.58	***	0.86	4.7
75	17.36	19.65	25.83	3.94	75	0.70	***	1.16	5.0
100	16.84	19.66	25.97	3.94	74	0.67	***	0.92	5.9

STATION	DATE	TIME	LATITUDE	LONGITUDE
PT HACKING 1965	1/ 3/65		34 6 S	151 31 E

DEPTH	TEMP.	CHLORINITY	SIGMA-T	OXYGEN	OXYGEN % SAT.	I.P.	PART P	TOTAL P	NITRATE
0	22.58	19.80	24.66	4.93	104	0.13	***	0.36	0.2
25	22.34	19.79	24.71	4.96	104	0.12	***	0.46	0.3
50	19.91	19.72	25.28	4.80	96	0.28	***	0.34	0.9
75	17.82	19.66	25.73	4.36	84	0.46	***	0.92	4.3
100	17.03	19.66	25.92	4.38	83	0.58	***	0.76	5.6
150	15.79	19.62	26.15	4.41	82	0.70	***	1.08	7.3
200	13.71	19.52	26.47	4.41	78	0.81	***	0.98	9.7
250	12.89	19.50	26.61	4.66	81	0.85	***	1.04	10.1
300	11.61	19.40	26.72	4.47	75	1.06	***	1.18	14.3

STATION	DATE	TIME	LATITUDE	LONGITUDE
PT HACKING 1965	9/ 3/65		34 5 S	151 13 E

DEPTH	TEMP.	CHLORINITY	SIGMA-T	OXYGEN	OXYGEN % SAT.	I.P.	PART P	TOTAL P	NITRATE
0	20.90	19.68	24.96	4.98	102	0.23	***	0.48	1.1
10	19.00	19.68	25.46	4.67	92	0.28	***	0.44	1.9
20	18.25	19.67	25.63	4.38	85	0.49	***	0.66	3.4
30	17.61	19.67	25.79	4.04	77	0.58	***	0.76	4.6
40	17.42	19.66	25.83	3.98	76	0.64	***	0.86	5.5
50	17.00	19.66	25.93	4.01	76	0.61	***	0.76	6.0

STATION	DATE	TIME	LATITUDE	LONGITUDE
PT HACKING 1965	9/ 3/65		34 5 S	151 16 E

DEPTH	TEMP.	CHLORINITY	SIGMA-T	OXYGEN	OXYGEN % SAT.	I.P.	PART P	TOTAL P	NITRATE
0	21.35	19.71	24.88	5.03	104	0.09	***	0.28	0.4
10	21.35	19.72	24.89	5.05	104	0.13	***	0.36	0.3
20	20.04	19.70	25.22	5.16	104	0.13	***	0.40	0.3
30	18.91	19.69	25.50	4.87	96	0.19	***	0.38	0.6
40	18.18	19.69	25.68	4.50	87	0.30	***	0.50	1.6
50	17.95	19.69	25.74	4.42	85	0.37	***	0.54	3.4
75	16.71	19.65	25.98	4.20	79	0.54	***	0.60	6.4
100	15.49	19.61	26.21	4.18	77	0.57	***	0.66	8.1

STATION	DATE	TIME	LATITUDE	LONGITUDE
PT HACKING 1965	15/ 3/65		34 5 S	151 13 E

DEPTH	TEMP.	CHLORINITY	SIGMA-T	OXYGEN	OXYGEN % SAT.	I.P.	PART P	TOTAL P	NITRATE
0	21.53	19.74	24.87	5.00	103	0.13	***	0.36	0.7
10	21.27	19.74	24.94	4.90	101	0.16	***	0.40	0.7
20	20.54	19.71	25.10	5.04	102	0.19	***	0.40	0.5
30	20.07	19.71	25.22	5.07	102	0.23	***	0.54	1.4
40	19.38	19.70	25.39	4.89	97	0.30	***	0.50	1.9
50	19.28	19.70	25.42	4.81	95	0.34	***	0.60	2.3

STATION	DATE	TIME	LATITUDE	LONGITUDE
PT HACKING 1965	15/ 3/65		34 5 S	151 16 E

DEPTH	TEMP.	CHLORINITY	SIGMA-T	OXYGEN	OXYGEN % SAT.	I.P.	PART P	TOTAL P	NITRATE
0	21.53	19.76	24.90	5.00	103	0.13	***	0.30	0.9
10	21.19	19.74	24.96	5.03	103	0.14	***	0.22	0.5
20	21.17	19.76	25.00	5.00	103	0.14	***	0.34	0.8
30	20.07	19.71	25.22	5.00	101	0.23	***	0.48	1.4
40	19.17	19.70	25.44	4.89	97	0.25	***	0.50	1.2
50	18.58	19.68	25.57	4.63	90	0.40	***	0.54	2.3
75	17.20	19.66	25.88	4.20	80	0.58	***	0.76	6.0
100	17.10	19.66	25.91	4.20	80	0.56	***	0.74	6.2

STATION	DATE	TIME	LATITUDE	LONGITUDE
PT HACKING 1965	15/ 3/65		34 6 S	151 31 E

DEPTH	TEMP.	CHLORINITY	SIGMA-T	OXYGEN	OXYGEN % SAT.	I.P.	PART P	TOTAL P	NITRATE
0	21.81	19.81	24.88	4.95	103	0.11	***	0.38	0.6
25	21.62	19.80	24.92	4.97	103	0.13	***	0.34	0.3
50	19.31	19.72	25.44	4.99	99	0.20	***	0.46	0.5
75	17.72	19.71	25.82	4.41	85	0.44	***	0.62	5.0
100	17.13	19.67	25.91	4.39	83	0.53	***	0.70	6.0
150	16.29	19.64	26.07	4.23	79	0.59	***	0.84	7.9
200	14.36	19.57	26.40	4.55	82	0.64	***	0.80	9.2
250	13.90	19.54	26.46	4.48	80	0.70	***	0.90	10.5
300	13.19	19.51	26.57	4.56	80	0.78	***	0.88	11.3

STATION	DATE	TIME	LATITUDE	LONGITUDE
PT HACKING 1965	23/ 3/65		34 5 S	151 13 E

DEPTH	TEMP.	CHLORINITY	SIGMA-T	OXYGEN	OXYGEN % SAT.	I.P.	PART P	TOTAL P	NITRATE
0	20.13	19.74	25.25	5.20	105	0.13	***	0.60	0.8
10	20.13	19.74	25.25	5.21	105	0.19	***	0.38	1.2
20	19.86	19.74	25.32	5.24	105	0.16	***	0.64	0.9
30	19.50	19.72	25.39	4.99	99	0.34	***	0.54	0.8
40	19.10	19.71	25.47	4.77	94	0.40	***	0.50	1.3
50	18.88	19.70	25.51	4.65	91	0.34	***	0.56	1.6

STATION	DATE	TIME	LATITUDE	LONGITUDE
PT HACKING 1965	23/ 3/65		34 5 S	151 16 E

DEPTH	TEMP.	CHLORINITY	SIGMA-T	OXYGEN	OXYGEN % SAT.	I.P.	PART P	TOTAL P	NITRATE
0	20.93	19.74	25.03	4.99	102	0.15	***	0.30	0.7
10	20.87	19.75	25.06	4.99	102	0.12	***	0.30	0.9
20	20.72	19.74	25.09	5.05	103	0.10	***	0.30	0.7
30	20.68	19.73	25.09	5.05	103	0.13	***	0.28	0.6
40	19.18	19.70	25.44	4.71	91	0.29	***	0.52	1.4
50	18.46	19.70	25.62	4.57	89	0.32	***	0.42	2.2
75	17.66	19.68	25.79	4.37	84	0.44	***	0.60	4.7
100	16.64	19.65	25.90	4.09	77	0.55	***	0.88	7.0

STATION	DATE	TIME	LATITUDE	LONGITUDE
PT HACKING 1965	23/ 3/65		34 6 S	151 31 E

DEPTH	TEMP.	CHLORINITY	SIGMA-T	OXYGEN	OXYGEN % SAT.	I.P.	PART P	TOTAL P	NITRATE
0	22.17	19.77	24.73	4.93	103	0.12	***	0.24	0.5
25	21.76	19.77	24.84	4.93	102	0.12	***	0.24	0.6
50	21.40	19.77	24.94	5.02	104	0.07	***	0.22	0.6
75	18.03	19.68	25.70	4.94	96	0.54	***	0.76	4.4
100	16.85	19.65	25.94	4.31	81	0.46	***	0.60	6.5
150	14.91	19.58	26.30	4.22	77	0.65	***	0.78	9.1
200	13.84	19.53	26.46	4.42	78	0.68	***	0.84	13.4
250	12.33	19.45	26.65	4.51	77	0.81	***	1.02	13.3
300	11.45	19.39	26.73	4.48	75	0.94	***	1.16	14.9

STATION	DATE	TIME	LATITUDE	LONGITUDE
PT HACKING 1965	13/ 4/65		34 5 S	151 13 E

DEPTH	TEMP.	CHLORINITY	SIGMA-T	OXYGEN	OXYGEN % SAT.	I.P.	PART P	TOTAL P	NITRATE
0	20.46	19.73	25.15	5.04	102	0.15	***	0.34	0.5
10	20.47	19.73	25.14	5.07	103	0.10	***	0.34	0.5
20	20.52	19.73	25.13	5.04	102	0.09	***	0.36	0.5
30	19.86	19.71	25.28	4.78	96	0.17	***	0.40	1.7
40	18.46	19.70	25.63	4.56	89	0.33	***	0.52	3.1
50	17.94	19.67	25.71	4.41	85	0.40	***	***	4.5

STATION	DATE	TIME	LATITUDE	LONGITUDE
PT HACKING 1965	13/ 4/65		34 5 S	151 16 E

DEPTH	TEMP.	CHLORINITY	SIGMA-T	OXYGEN	OXYGEN % SAT.	I.P.	PART P	TOTAL P	NITRATE
0	20.42	19.71	25.13	5.06	102	0.15	***	0.32	0.4
10	20.43	19.72	25.14	5.11	103	0.07	***	0.34	0.4
20	20.46	19.72	25.13	5.08	103	0.11	***	0.22	0.6
30	20.48	19.72	25.13	5.04	102	0.17	***	0.26	0.5
40	18.44	19.67	25.59	4.36	85	0.41	***	0.82	4.3
50	17.36	19.65	25.83	4.14	79	0.47	***	0.66	6.1
75	15.38	19.59	26.21	4.17	76	0.63	***	0.76	8.8
100	14.58	19.54	26.31	4.23	76	0.65	***	0.76	9.8

STATION	DATE	TIME	LATITUDE	LONGITUDE
PT HACKING 1965	21/ 4/65		34 5 S	151 13 E

DEPTH	TEMP.	CHLORINITY	SIGMA-T	OXYGEN	OXYGEN % SAT.	I.P.	PART P	TOTAL P	NITRATE
0	18.91	19.74	25.57	5.08	100	0.23	***	0.42	1.6
10	18.53	19.74	25.66	5.08	99	0.26	***	0.48	1.9
20	18.47	19.72	25.65	5.08	99	0.26	***	0.38	1.9
30	18.34	19.72	25.68	5.05	98	0.27	***	0.48	2.0
40	18.01	19.70	25.74	4.88	94	0.33	***	0.58	2.6
50	17.65	19.68	25.80	4.67	90	0.42	***	0.62	3.7

STATION	DATE	TIME	LATITUDE	LONGITUDE
PT HACKING 1965	21/ 4/65		34 5 S	151 16 E

DEPTH	TEMP.	CHLORINITY	SIGMA-T	OXYGEN	OXYGEN % SAT.	I.P.	PART P	TOTAL P	NITRATE
0	19.52	19.76	25.44	5.19	103	0.11	***	0.28	0.7
10	19.05	19.79	25.60	5.19	102	0.14	***	0.26	0.5
20	19.04	19.79	25.60	5.21	103	0.15	***	0.16	0.3
30	19.04	19.79	25.60	5.22	103	0.16	***	0.26	0.3
40	19.02	19.79	25.61	5.22	103	0.15	***	0.36	0.3
50	18.85	19.79	25.65	5.19	102	0.16	***	0.34	0.2
75	17.72	19.71	25.83	4.85	93	0.26	***	0.48	2.4
100	16.39	19.63	26.03	4.40	82	0.55	***	0.64	6.2

STATION	DATE	TIME	LATITUDE	LONGITUDE
PT HACKING 1965	27/ 4/65		34 5 S	151 13 E

DEPTH	TEMP.	CHLORINITY	SIGMA-T	OXYGEN	OXYGEN % SAT.	I.P.	PART P	TOTAL P	NITRATE
0	18,72	19,74	25,61	5,24	103	0,26	***	0,54	1,1
10	18,49	19,74	25,67	5,10	100	0,26	***	0,46	1,2
20	18,49	19,74	25,67	5,07	99	0,27	***	0,40	1,3
30	18,46	19,74	25,68	5,01	98	0,27	***	0,54	1,1
40	18,45	19,75	25,70	5,11	100	0,29	***	0,38	1,0
50	18,47	19,73	25,66	5,10	100	0,29	***	0,42	1,1

STATION	DATE	TIME	LATITUDE	LONGITUDE
PT HACKING 1965	27/ 4/65		34 5 S	151 16 E

DEPTH	TEMP.	CHLORINITY	SIGMA-T	OXYGEN	OXYGEN % SAT.	I.P.	PART P	TOTAL P	NITRATE
0	18,68	19,75	25,64	5,18	102	0,21	***	0,24	0,8
10	18,62	19,75	25,66	5,18	101	0,20	***	0,28	1,1
20	18,61	19,75	25,66	5,18	101	0,19	***	0,32	1,0
30	18,60	19,75	25,66	5,14	101	0,22	***	0,32	1,3
40	18,61	19,75	25,66	5,13	100	0,21	***	0,34	0,9
50	18,60	19,75	25,66	5,12	98	0,21	***	0,36	1,0
75	18,31	19,72	25,69	4,91	96	0,26	***	0,28	2,0
100	17,07	19,66	25,91	4,34	82	0,58	***	0,74	6,2

STATION	DATE	TIME	LATITUDE	LONGITUDE
PT HACKING 1965	3/ 5/65		34 5 S	151 13 E

DEPTH	TEMP.	CHLORINITY	SIGMA-T	OXYGEN	OXYGEN % SAT.	I.P.	PART P	TOTAL P	NITRATE
0	20.56	19.73	25.12	5.07	103	0.13	***	0.56	0.6
10	20.44	19.74	25.17	5.10	103	0.13	***	0.52	0.9
20	20.03	19.72	25.24	4.97	100	0.27	***	0.66	1.2
30	18.97	19.70	25.50	4.79	94	0.37	***	0.78	1.9
40	18.58	19.71	25.61	4.72	92	0.37	***	0.72	1.9
50	17.87	19.69	25.76	4.62	89	0.38	***	0.88	2.9

STATION	DATE	TIME	LATITUDE	LONGITUDE
PT HACKING 1965	3/ 5/65		34 5 S	151 16 E

DEPTH	TEMP.	CHLORINITY	SIGMA-T	OXYGEN	OXYGEN % SAT.	I.P.	PART P	TOTAL P	NITRATE
0	21.48	19.71	24.85	4.93	102	0.12	***	0.44	0.4
10	21.25	19.70	24.89	4.99	103	0.12	***	0.52	0.5
20	20.91	19.72	25.01	4.99	102	0.13	***	0.72	0.7
30	20.23	19.73	25.21	4.97	100	0.17	***	0.84	0.9
40	19.30	19.73	25.45	4.75	94	0.28	***	0.66	1.9
50	18.57	19.73	25.64	4.74	93	0.29	***	0.88	2.1
75	17.39	19.67	25.84	4.54	87	0.41	***	0.76	4.2
100	16.66	19.67	26.02	4.27	80	0.54	***	0.80	6.7

STATION	DATE	TIME	LATITUDE	LONGITUDE
PT HACKING 1965	11/ 5/65		34 5 S	151 13 E

DEPTH	TEMP.	CHLORINITY	SIGMA-T	OXYGEN	OXYGEN % SAT.	I.P.	PART P	TOTAL P	NITRATE
0	19.73	19.67	25.26	4.71	90	0.27	***	0.68	1.8
10	19.07	***	***	4.79	***	0.28	***	***	2.0
20	18.12	19.69	25.70	4.49	84	0.40	***	0.78	3.8
30	17.84	19.69	25.77	4.55	84	0.40	***	0.86	3.7
40	17.52	19.69	25.84	4.54	84	0.40	***	0.76	3.8

STATION	DATE	TIME	LATITUDE	LONGITUDE
PT HACKING 1965	11/ 5/65		34 5 S	151 16 E

DEPTH	TEMP.	CHLORINITY	SIGMA-T	OXYGEN	OXYGEN % SAT.	I.P.	PART P	TOTAL P	NITRATE
0	20.91	19.67	24.94	4.91	100	0.16	***	0.72	0.9
10	20.85	19.68	24.97	4.91	100	0.15	***	0.54	0.8
20	20.80	19.68	24.99	4.92	100	0.15	***	0.56	0.8
30	20.25	19.69	25.15	4.43	89	0.29	***	0.66	2.5
40	19.32	19.69	25.39	4.15	82	0.41	***	0.82	4.5
50	18.46	19.69	25.61	4.24	83	0.41	***	0.76	4.4
75	17.04	19.65	25.91	4.27	81	0.42	***	0.76	5.8
100	15.69	19.61	26.17	4.36	80	0.49	***	0.88	7.3

STATION	DATE	TIME	LATITUDE	LONGITUDE
PT HACKING 1965	17/ 5/65		34 5 S	151 13 E

DEPTH	TEMP.	CHLORINITY	SIGMA-T	OXYGEN	OXYGEN % SAT.	I.P.	PART P	TOTAL P	NITRATE
0	18.80	19.71	25.56	4.96	97	0.24	***	0.42	1.0
10	18.88	19.71	25.54	5.04	99	0.24	***	0.42	0.9
20	18.75	19.71	25.57	5.01	98	0.24	***	0.40	1.0
30	18.68	19.71	25.59	4.91	96	0.32	***	0.40	1.3
40	18.56	19.70	25.60	4.99	94	0.25	***	0.36	1.6
50	18.40	19.70	25.64	4.82	90	0.29	***	0.40	2.0

STATION	DATE	TIME	LATITUDE	LONGITUDE
PT HACKING 1965	17/ 5/65		34 5 S	151 16 E

DEPTH	TEMP.	CHLORINITY	SIGMA-T	OXYGEN	OXYGEN % SAT.	I.P.	PART P	TOTAL P	NITRATE
0	18.77	***	***	5.05	***	0.23	***	0.60	0.6
10	18.80	***	***	5.07	***	0.25	***	0.62	0.7
20	18.76	***	***	5.07	***	0.21	***	0.50	1.2
30	18.78	***	***	5.09	***	0.25	***	0.50	0.8
40	18.77	***	***	5.05	***	0.23	***	0.64	0.9
50	18.78	***	***	5.05	***	0.21	***	0.64	0.7
75	18.73	***	***	5.05	***	0.28	***	0.62	0.8
100	16.68	***	***	4.94	***	0.28	***	***	0.9

STATION	DATE	TIME	LATITUDE	LONGITUDE
PT HACKING 1965	24/ 5/65		34 5 S	151 13 E

DEPTH	TEMP.	CHLORINITY	SIGMA-T	OXYGEN	OXYGEN % SAT.	I.P.	PART P	TOTAL P	NITRATE
0	18.67	19.72	25.60	5.10	100	0.17	***	0.50	0.4
10	18.68	19.72	25.59	5.12	100	0.20	***	0.56	0.3
20	18.41	19.72	25.66	5.12	100	0.21	***	0.66	0.5
30	18.35	19.72	25.68	5.10	99	0.20	***	0.64	0.6
40	18.33	19.72	25.68	5.10	99	0.21	***	0.54	0.6
50	18.32	19.72	25.68	5.11	99	0.22	***	0.50	0.7

STATION	DATE	TIME	LATITUDE	LONGITUDE
PT HACKING 1965	24/ 5/65		34 5 S	151 16 E

DEPTH	TEMP.	CHLORINITY	SIGMA-T	OXYGEN	OXYGEN % SAT.	I.P.	PART P	TOTAL P	NITRATE
0	18.82	19.71	25.55	4.93	97	0.21	***	0.54	0.9
10	***	19.71	***	4.99	***	0.21	***	0.54	0.9
20	18.81	19.71	25.55	5.00	98	0.22	***	0.50	0.9
30	18.82	19.71	25.55	4.98	98	0.22	***	0.56	1.1
40	18.45	19.72	25.65	5.04	98	0.22	***	0.58	0.6
50	18.27	19.72	25.70	5.04	98	0.22	***	0.60	0.6
75	18.10	19.73	25.76	5.04	98	0.25	***	0.48	0.9
100	16.05	19.60	26.07	4.16	77	0.58	***	1.14	8.0

STATION	DATE	TIME	LATITUDE	LONGITUDE
PT HACKING 1965	31/ 5/65		34 5 S	151 13 E

DEPTH	TEMP.	CHLORINITY	SIGMA-T	OXYGEN	OXYGEN % SAT.	I.P.	PART P	TOTAL P	NITRATE
0	19.15	19.71	25.47	4.94	98	0.20	***	0.80	1.0
10	19.16	19.71	25.46	4.97	98	0.21	***	0.58	1.1
20	18.84	19.71	25.55	4.85	95	0.25	***	0.50	1.4
30	18.20	19.70	25.69	4.66	90	0.35	***	0.64	2.2
40	17.78	19.70	25.80	4.60	89	0.37	***	0.78	3.1
50	17.72	19.70	25.81	4.63	89	0.35	***	0.64	3.2

STATION	DATE	TIME	LATITUDE	LONGITUDE
PT HACKING 1965	31/ 5/65		34 5 S	151 16 E

DEPTH	TEMP.	CHLORINITY	SIGMA-T	OXYGEN	OXYGEN % SAT.	I.P.	PART P	TOTAL P	NITRATE
0	19.65	19.70	25.32	4.88	97	0.18	***	0.48	0.5
10	19.67	19.71	25.33	4.91	98	0.17	***	0.50	0.5
20	19.59	19.71	25.35	4.88	97	0.17	***	0.66	0.7
30	18.64	19.70	25.58	4.55	89	0.34	***	0.64	3.0
40	17.72	19.67	25.76	4.29	82	0.47	***	0.82	4.4
50	17.52	19.69	25.84	4.55	87	0.43	***	0.68	3.5
75	17.19	19.67	25.89	4.35	83	0.49	***	0.70	4.3
100	16.94	19.65	25.93	4.35	82	0.55	***	0.82	5.3

STATION	DATE	TIME	LATITUDE	LONGITUDE
PT HACKING 1965	8/ 6/65		34 5 S	151 16 E

DEPTH	TEMP.	CHLORINITY	SIGMA-T	OXYGEN	OXYGEN % SAT.	I.P.	PART P	TOTAL P	NITRATE
0	20.22	19.77	25.26	4.99	101	0.14	***	0.42	0.3
10	20.24	19.77	25.26	5.00	101	0.14	***	0.36	0.1
20	19.71	19.77	25.40	5.00	100	0.17	***	0.52	0.8
30	19.27	19.75	25.49	4.88	97	0.22	***	0.46	1.3
40	18.40	19.70	25.64	4.27	83	0.44	***	0.54	4.4
50	18.20	19.68	25.66	4.24	82	0.46	***	0.62	4.6
75	17.62	19.68	25.80	4.27	82	0.46	***	0.74	5.1
100	17.03	19.65	25.91	3.93	74	0.59	***	0.90	6.9

STATION	DATE	TIME	LATITUDE	LONGITUDE
PT HACKING 1965	15/ 6/65		34 5 S	151 13 E

DEPTH	TEMP.	CHLORINITY	SIGMA-T	OXYGEN	OXYGEN % SAT.	I.P.	PART P	TOTAL P	NITRATE
0	18.66	19.76	25.66	5.04	99	0.26	***	0.48	2.1
10	18.67	19.77	25.67	5.05	99	0.26	***	0.50	2.1
20	18.28	19.73	25.71	4.83	94	0.39	***	0.60	2.9
30	17.98	19.72	25.77	4.71	91	0.43	***	0.68	3.7
40	17.78	19.71	25.81	4.68	90	0.41	***	0.62	3.8
50	17.24	19.69	25.91	4.68	89	0.48	***	0.66	4.2

STATION	DATE	TIME	LATITUDE	LONGITUDE
PT HACKING 1965	15/ 6/65		34 5 S	151 16 E

DEPTH	TEMP.	CHLORINITY	SIGMA-T	OXYGEN	OXYGEN % SAT.	I.P.	PART P	TOTAL P	NITRATE
0	19.11	19.76	25.55	5.05	100	0.22	***	0.62	0.9
10	19.12	19.76	25.54	5.07	100	0.25	***	0.94	0.9
20	19.08	19.74	25.52	5.05	100	0.23	***	0.72	0.9
30	18.93	19.74	25.56	4.98	98	0.26	***	0.62	1.2
40	19.03	19.74	25.54	5.09	100	0.25	***	0.60	0.8
50	18.94	19.73	25.54	4.99	98	0.26	***	0.64	1.3
75	17.63	19.70	25.83	4.87	93	0.39	***	0.76	3.4
100	17.21	19.69	25.92	4.92	94	0.38	***	0.74	3.2

STATION	DATE	TIME	LATITUDE	LONGITUDE
PT HACKING 1965	21/ 6/65		34 5 S	151 13 E

DEPTH	TEMP.	CHLORINITY	SIGMA-T	OXYGEN	OXYGEN % SAT.	I.P.	PART P	TOTAL P	NITRATE
0	18.72	19.74	25.61	5.08	100	0.19	***	0.54	0.9
10	18.75	19.75	25.62	5.12	100	0.17	***	0.46	1.0
20	18.75	19.73	25.59	5.09	100	0.19	***	0.50	0.9
30	18.08	19.73	25.76	5.01	97	0.22	***	0.50	2.5
40	17.94	19.73	25.79	4.97	96	0.32	***	0.48	2.8
50	17.77	19.72	25.82	4.95	95	0.32	***	0.50	3.1

STATION	DATE	TIME	LATITUDE	LONGITUDE
PT HACKING 1965	21/ 6/65		34 5 S	151 16 E

DEPTH	TEMP.	CHLORINITY	SIGMA-T	OXYGEN	OXYGEN % SAT.	I.P.	PART P	TOTAL P	NITRATE
0	18.54	19.73	25.64	5.04	98	0.19	***	0.50	1.8
10	18.55	19.75	25.67	5.07	99	0.20	***	0.50	1.6
20	18.45	19.75	25.70	5.08	99	0.22	***	0.52	1.7
30	18.34	19.73	25.70	5.03	98	0.19	***	0.52	1.9
40	18.12	19.74	25.76	5.20	101	0.20	***	0.46	1.1
50	17.98	19.73	25.79	5.22	101	0.19	***	0.36	1.5
75	17.76	19.71	25.82	5.03	97	0.25	***	0.54	2.3
100	17.39	19.69	25.88	4.80	92	0.35	***	0.52	3.3

STATION	DATE	TIME	LATITUDE	LONGITUDE
PT HACKING 1965	29/ 6/65		34 5 S	151 13 E

DEPTH	TEMP.	CHLORINITY	SIGMA-T	OXYGEN	OXYGEN % SAT.	I.P.	PART P.	TOTAL P	NITRATE
0	17.63	19.68	25.80	5.14	99	0.26	***	0.50	2.9
10	17.66	19.68	25.79	5.13	98	0.25	***	0.56	2.8
20	17.64	19.67	25.78	5.10	98	0.25	***	0.56	2.5
30	16.80	19.68	26.00	4.65	88	0.36	***	0.54	5.3
40	16.40	19.66	26.07	4.50	84	0.36	***	0.56	6.3
50	16.08	19.63	26.10	4.50	84	0.44	***	0.64	6.9

STATION	DATE	TIME	LATITUDE	LONGITUDE
PT HACKING 1965	29/ 6/65		34 5 S	151 16 E

DEPTH	TEMP.	CHLORINITY	SIGMA-T	OXYGEN	OXYGEN % SAT.	I.P.	PART P	TOTAL P	NITRATE
0	17.71	19.67	25.77	5.16	99	0.17	***	0.76	2.5
10	17.76	19.68	25.77	5.17	99	0.19	***	0.64	2.0
20	17.79	19.69	25.78	5.12	99	0.25	***	0.42	1.9
30	17.80	19.68	25.76	5.18	100	0.25	***	0.40	2.0
40	17.78	19.68	25.77	5.11	98	0.20	***	0.74	2.0
50	16.99	19.68	25.96	4.68	89	0.28	***	0.58	4.5
75	16.20	19.64	26.09	4.42	82	0.43	***	0.56	6.3
100	15.68	19.62	26.18	4.43	82	0.44	***	0.74	7.6

STATION	DATE	TIME	LATITUDE	LONGITUDE
PT HACKING 1965	6/ 7/65		34 5 S	151 13 E

DEPTH	TEMP.	CHLORINITY	SIGMA-T	OXYGEN	OXYGEN % SAT.	I.P.	PART P	TOTAL P	NITRATE
0	17.28	19.70	25.92	5.19	95	0.23	***	0.44	1.7
10	17.29	19.71	25.93	5.47	100	0.24	***	0.48	1.8
20	17.27	19.71	25.94	5.36	98	0.24	***	0.52	1.6
30	16.69	19.70	26.01	5.07	92	0.30	***	0.52	3.3
40	16.47	19.68	26.08	4.87	88	0.40	***	0.60	4.5
50	16.45	19.68	26.08	5.04	91	0.44	***	0.60	4.5

STATION	DATE	TIME	LATITUDE	LONGITUDE
PT HACKING 1965	6/ 7/65		34 5 S	151 16 E

DEPTH	TEMP.	CHLORINITY	SIGMA-T	OXYGEN	OXYGEN % SAT.	I.P.	PART P	TOTAL P	NITRATE
0	17.39	19.72	25.91	5.30	97	0.21	***	0.58	1.4
10	17.41	19.73	25.92	5.30	97	0.22	***	0.44	1.6
20	17.42	19.73	25.92	5.27	97	0.22	***	0.44	1.1
30	17.47	19.73	25.91	5.30	97	0.24	***	0.58	1.5
40	17.41	19.73	25.92	5.52	101	0.24	***	0.48	1.5
50	***	19.74	***	5.36	***	0.23	***	0.46	1.3
75	17.25	19.72	25.95	5.38	99	0.24	***	0.34	2.3
100	16.06	19.65	26.14	4.76	85	0.43	***	0.54	6.7

STATION	DATE	TIME	LATITUDE	LONGITUDE
PT HACKING 1965	12/ 7/65		34 5 S	151 13 E

DEPTH	TEMP.	CHLORINITY	SIGMA-T	OXYGEN	OXYGEN % SAT.	I.P.	PART P	TOTAL P	NITRATE
0	18.26	19.74	25.73	5.18	97	0.27	***	***	0.6
10	18.30	19.74	25.72	5.36	100	0.27	***	0.58	0.5
20	18.26	19.74	25.73	5.35	100	0.24	***	0.44	0.6
30	17.69	19.74	25.82	5.16	96	0.27	***	0.50	1.0
40	17.33	19.72	25.93	5.21	96	0.37	***	0.48	1.9
50	17.05	19.70	25.97	5.16	94	0.40	***	0.56	2.1

STATION	DATE	TIME	LATITUDE	LONGITUDE
PT HACKING 1965	12/ 7/65	0830	34 5 S	151 16 E

DEPTH	TEMP.	CHLORINITY	SIGMA-T	OXYGEN	OXYGEN % SAT.	I.P.	PART P	TOTAL P	NITRATE
0	18.54	19.74	25.66	5.13	96	0.25	***	0.54	0.9
10	18.56	19.74	25.66	5.16	97	0.25	***	0.46	0.9
20	18.56	19.74	25.66	5.13	96	0.23	***	0.30	0.7
30	18.47	19.74	25.68	5.13	96	0.28	***	0.52	0.9
40	18.19	19.72	25.72	5.13	96	0.32	***	0.54	1.7
50	***	19.70	***	4.99	***	0.45	***	0.58	2.3
75	17.97	19.70	25.75	5.04	94	0.44	***	0.56	3.0
100	16.71	19.67	26.01	4.96	90	***	***	0.60	4.6

STATION	DATE	TIME	LATITUDE	LONGITUDE
PT HACKING 1965	27/ 7/65		34 5 S	151 13 E

DEPTH	TEMP.	CHLORINITY	SIGMA-T	OXYGEN	OXYGEN % SAT.	I.P.	PART P	TOTAL P	NITRATE
0	17.56	19.72	25.87	5.13	95	0.28	***	0.46	1.2
10	17.61	19.72	25.86	5.16	95	0.27	***	0.34	1.4
20	17.53	19.73	25.90	5.19	96	0.27	***	0.50	1.2
30	17.52	19.74	25.91	3.57	66	0.30	***	0.58	1.3
40	17.52	19.73	25.90	5.13	94	0.30	***	0.36	1.5
50	17.02	19.72	26.00	4.99	91	0.39	***	0.50	2.4

STATION	DATE	TIME	LATITUDE	LONGITUDE
PT HACKING 1965	27/ 7/65		34 5 S	151 16 E

DEPTH	TEMP.	CHLORINITY	SIGMA-T	OXYGEN	OXYGEN % SAT.	I.P.	PART P	TOTAL P	NITRATE
0	17.58	19.69	25.83	5.21	96	0.28	***	***	1.2
10	17.61	19.73	25.88	5.21	96	0.28	***	0.36	1.2
20	17.61	19.74	25.89	5.21	96	0.32	***	0.48	1.4
30	17.61	19.72	25.86	5.24	97	0.30	***	0.84	1.4
40	17.57	19.78	25.95	5.21	96	0.35	***	0.46	1.2
50	***	19.75	***	5.16	***	0.30	***	0.66	1.6
75	17.47	19.71	25.89	4.99	92	0.41	***	0.58	2.8
100	16.77	19.74	26.09	5.16	94	0.47	***	***	2.4

STATION	DATE	TIME	LATITUDE	LONGITUDE
PT HACKING 1965	3/ 8/65		34 5 S	151 13 E

DEPTH	TEMP.	CHLORINITY	SIGMA-T	OXYGEN	OXYGEN % SAT.	I.P.	PART P	TOTAL P	NITRATE
0	16.66	19.69	26.05	5.07	92	0.36	***	0.66	2.3
10	16.66	19.69	26.05	5.04	91	0.36	***	0.56	2.5
20	16.67	19.70	26.06	5.07	92	0.37	***	0.56	2.6
30	16.69	19.70	26.06	5.10	92	0.36	***	0.50	2.3
40	16.66	19.70	26.07	5.07	92	0.36	***	0.40	2.2
50	16.67	***	***	5.07	***	0.37	***	0.80	2.2

STATION	DATE	TIME	LATITUDE	LONGITUDE
PT HACKING 1965	3/ 8/65		34 5 S	151 16 E

DEPTH	TEMP.	CHLORINITY	SIGMA-T	OXYGEN	OXYGEN % SAT.	I.P.	PART P	TOTAL P	NITRATE
0	16.64	19.67	26.02	4.68	85	0.47	***	0.56	5.4
10	16.67	19.68	26.03	4.68	85	0.47	***	0.62	4.7
20	16.67	19.68	26.03	4.70	85	0.47	***	0.94	4.9
30	16.68	19.68	26.03	4.68	85	0.53	***	0.72	5.1
40	16.66	19.68	26.03	4.73	86	0.49	***	0.74	5.3
50	16.65	19.68	26.04	4.76	86	0.47	***	0.58	4.7
75	16.63	19.69	26.06	4.87	88	0.47	***	0.54	3.3
100	16.57	19.70	26.09	4.96	90	0.50	***	0.62	3.0

STATION	DATE	TIME	LATITUDE	LONGITUDE
PT HACKING 1965	11/ 8/65		34 5 S	151 13 E

DEPTH	TEMP.	CHLORINITY	SIGMA-T	OXYGEN	OXYGEN % SAT.	I.P.	PART P	TOTAL P	NITRATE
0	16.57	19.67	26.04	5.10	92	0.38	***	0.66	3.3
10	16.56	19.67	26.04	5.19	94	0.40	***	0.62	3.1
20	16.16	19.67	26.14	5.38	96	0.41	***	0.46	3.9
30	16.05	19.67	26.16	5.13	92	0.44	***	0.64	4.0
40	15.89	19.67	26.20	5.02	89	0.50	***	0.72	4.9
50	15.95	19.67	26.18	5.13	91	0.44	***	***	4.3

STATION	DATE	TIME	LATITUDE	LONGITUDE
PT HACKING 1965	11/ 8/65		34 5 S	151 16 E

DEPTH	TEMP.	CHLORINITY	SIGMA-T	OXYGEN	OXYGEN % SAT.	I.P.	PART P	TOTAL P	NITRATE
0	17.51	19.67	25.82	5.16	95	0.29	***	0.58	2.0
10	17.40	19.67	25.84	5.21	96	0.29	***	0.54	2.0
20	16.99	19.67	25.94	5.13	93	0.32	***	0.52	2.5
30	16.46	19.67	26.07	4.99	90	0.39	***	0.48	3.9
40	16.09	19.67	26.15	4.82	86	***	***	0.50	5.4
50	16.06	19.67	26.16	4.82	86	0.51	***	0.66	5.6
75	15.81	19.66	26.21	4.76	85	0.51	***	0.98	6.3
100	15.41	19.63	26.25	4.79	84	0.52	***	***	7.1

STATION	DATE	TIME	LATITUDE	LONGITUDE
PT HACKING 1965	16/ 8/65		34 5 S	151 13 E

DEPTH	TEMP.	CHLORINITY	SIGMA-T	OXYGEN	OXYGEN % SAT.	I.P.	PART P	TOTAL P	NITRATE
0	18.05	19.69	25.71	5.70	106	0.24	***	***	1.0
10	18.04	19.69	25.72	5.44	101	0.27	***	0.42	1.6
20	17.23	19.66	25.88	5.45	100	0.33	***	0.56	2.0
30	15.96	19.64	26.14	5.08	91	0.51	***	0.84	5.3
40	15.48	19.62	26.22	5.01	88	0.55	***	0.74	6.8
50	15.36	19.62	26.25	5.08	89	0.59	***	0.82	6.6

STATION	DATE	TIME	LATITUDE	LONGITUDE
PT HACKING 1965	16/ 8/65	0800	34 5 S	151 16 E

DEPTH	TEMP.	CHLORINITY	SIGMA-T	OXYGEN	OXYGEN % SAT.	I.P.	PART P	TOTAL P	NITRATE
0	17.74	19.68	25.77	5.73	106	0.19	***	0.42	0.6
10	17.63	19.67	25.79	6.10	112	0.21	***	0.44	0.5
20	17.01	19.67	25.94	5.27	96	0.33	***	0.46	2.1
30	16.53	19.66	26.04	4.99	90	0.48	***	0.50	5.6
40	15.97	19.66	26.17	4.87	87	0.52	***	0.66	6.5
50	15.55	19.67	26.28	5.42	96	0.57	***	0.76	7.2
75	14.74	19.62	26.39	5.34	93	0.57	***	0.84	7.8
100	14.56	19.60	26.40	5.39	93	0.57	***	0.84	7.8

STATION	DATE	TIME	LATITUDE	LONGITUDE
PT HACKING 1965	24/ 8/65		34 5 S	151 13 E

DEPTH	TEMP.	CHLORINITY	SIGMA-T	OXYGEN	OXYGEN % SAT.	I.P.	PART P	TOTAL P	NITRATE
0	17.55	19.74	25.91	5.70	105	0.27	***	0.52	1.3
10	17.51	19.74	25.92	5.72	105	0.27	***	0.54	1.1
20	17.05	19.74	26.03	5.68	104	0.24	***	0.42	1.1
30	16.65	19.69	26.05	5.61	101	0.21	***	0.62	0.5
40	15.89	19.67	26.20	5.47	97	0.41	***	0.70	4.5
50	15.68	19.65	26.22	5.10	90	0.51	***	0.80	5.6

STATION	DATE	TIME	LATITUDE	LONGITUDE
PT HACKING 1965	24/ 8/65		34 5 S	151 16 E

DEPTH	TEMP.	CHLORINITY	SIGMA-T	OXYGEN	OXYGEN % SAT.	I.P.	PART P	TOTAL P	NITRATE
0	16.73	19.71	26.06	5.79	105	0.29	***	0.60	1.3
10	***	19.71	***	5.71	***	0.29	***	0.62	1.2
20	16.73	19.72	26.07	5.72	104	0.29	***	0.40	1.4
30	16.67	19.72	26.09	5.71	103	0.29	***	0.56	2.2
40	16.25	19.69	26.15	5.68	102	0.33	***	0.56	3.2
50	15.89	19.68	26.21	5.18	92	0.39	***	0.68	4.5
75	14.65	19.58	26.31	4.81	84	0.58	***	***	9.3
100	14.72	19.60	26.37	5.03	87	0.54	***	0.70	7.8

STATION	DATE	TIME	LATITUDE	LONGITUDE
PT HACKING 1965	30/ 8/65		34 5 S	151 13 E

DEPTH	TEMP.	CHLORINITY	SIGMA-T	OXYGEN	OXYGEN % SAT.	I.P.	PART P	TOTAL P	NITRATE
0	17.27	19.67	25.87	5.92	108	0.20	***	0.34	0.6
10	17.04	19.72	26.00	5.93	108	0.22	***	0.36	0.5
20	16.00	19.66	26.17	5.27	94	0.48	***	0.74	4.0
30	***	19.65	***	4.83	***	0.60	***	0.72	6.8
40	14.69	19.63	26.37	5.11	89	0.64	***	0.80	7.6
50	14.39	19.58	26.41	4.63	80	0.66	***	***	8.9

STATION	DATE	TIME	LATITUDE	LONGITUDE
PT HACKING 1965	30/ 8/65	0900	34 5 S	151 16 E

DEPTH	TEMP.	CHLORINITY	SIGMA-T	OXYGEN	OXYGEN % SAT.	I.P.	PART P	TOTAL P	NITRATE
0	17.17	19.70	25.94	6.03	110	0.24	***	0.32	0.3
10	17.17	19.71	25.96	6.16	113	0.23	***	0.72	0.4
20	17.15	19.72	25.97	6.16	113	0.21	***	0.40	0.3
30	17.15	19.72	25.97	6.09	111	0.23	***	0.42	0.4
40	16.49	19.66	26.05	5.58	101	0.30	***	0.44	0.9
50	15.73	19.62	26.17	4.96	88	0.55	***	0.56	5.9
75	14.67	19.59	26.36	5.17	90	0.61	***	***	8.3
100	14.15	19.59	26.47	5.11	88	***	***	0.54	8.6

STATION	DATE	TIME	LATITUDE	LONGITUDE
PT HACKING 1965	6/ 9/65		34 5 S	151 13 E

DEPTH	TEMP.	CHLORINITY	SIGMA-T	OXYGEN	OXYGEN % SAT.	I.P.	PART P	TOTAL P	NITRATE
0	16.75	19.66	25.99	5.45	99	0.26	***	0.60	0.9
10	16.74	19.68	26.02	5.44	99	0.27	***	0.74	1.2
20	15.91	19.64	26.15	4.63	82	0.52	***	0.84	5.2
30	15.21	19.61	26.27	4.44	78	0.63	***	0.90	9.5
40	14.55	19.57	26.36	4.41	76	0.68	***	1.20	10.6
50	14.15	19.58	26.44	4.49	77	0.72	***	0.96	10.3

STATION	DATE	TIME	LATITUDE	LONGITUDE
PT HACKING 1965	6/ 9/65		34 5 S	151 16 E

DEPTH	TEMP.	CHLORINITY	SIGMA-T	OXYGEN	OXYGEN % SAT.	I.P.	PART P	TOTAL P	NITRATE
0	16.87	19.65	25.95	5.51	100	0.22	***	0.78	0.5
10	16.90	19.66	25.95	5.52	100	0.26	***	0.80	0.6
20	16.77	19.67	25.99	5.52	100	0.25	***	1.06	0.4
30	16.74	19.66	25.99	5.39	98	0.27	***	0.60	0.5
40	16.08	19.65	26.13	4.77	85	0.43	***	0.64	4.1
50	15.30	19.62	26.26	4.48	79	0.60	***	0.80	7.9
75	14.14	19.57	26.45	4.77	82	0.63	***	0.94	8.5
100	14.15	19.57	26.44	4.89	84	0.61	***	0.88	8.2

STATION	DATE	TIME	LATITUDE	LONGITUDE
PT HACKING 1965	15/ 9/65		34 5 S	151 13 E

DEPTH	TEMP.	CHLORINITY	SIGMA-T	OXYGEN	OXYGEN % SAT.	I.P.	PART P	TOTAL P	NITRATE
0	16.68	19.57	25.88	5.46	99	0.28	***	***	0.4
10	16.48	19.60	25.97	5.43	98	0.28	***	0.58	0.6
20	16.51	19.59	25.95	5.44	98	0.28	***	0.74	0.3
30	16.40	19.60	25.99	5.37	97	0.31	***	0.60	1.0
40	15.79	19.59	26.11	5.10	91	0.44	***	***	3.5
50	15.21	19.61	26.27	4.96	87	0.53	***	0.84	5.0

STATION	DATE	TIME	LATITUDE	LONGITUDE
PT HACKING 1965	15/ 9/65		34 5 S	151 16 E

DEPTH	TEMP.	CHLORINITY	SIGMA-T	OXYGEN	OXYGEN % SAT.	I.P.	PART P	TOTAL P	NITRATE
0	16.81	19.64	25.95	5.48	99	0.22	***	0.56	1.4
10	16.80	19.65	25.96	5.52	100	0.21	***	0.42	1.0
20	16.80	19.63	25.93	5.53	100	0.22	***	0.42	1.0
30	16.63	19.65	26.00	5.33	96	0.30	***	0.46	1.1
40	16.09	19.64	26.11	5.08	91	0.39	***	0.52	2.9
50	15.34	19.59	26.21	5.09	90	0.43	***	1.04	5.4
75	14.37	19.57	26.40	4.73	82	0.64	***	0.74	9.1
100	13.98	19.56	26.47	4.83	83	0.66	***	0.88	9.4

STATION	DATE	TIME	LATITUDE	LONGITUDE
PT HACKING 1965	21/ 9/65		34 5 S	151 13 E

DEPTH	TEMP.	CHLORINITY	SIGMA-T	OXYGEN	OXYGEN % SAT.	I.P.	PART P	TOTAL P	NITRATE
0	16.79	19.65	25.97	5.80	105	0.19	***	0.55	0.2
10	16.73	19.66	26.00	5.68	103	0.20	***	0.49	1.0
20	16.51	***	***	5.27	***	0.29	***	0.45	1.6
30	15.36	19.65	26.29	4.79	84	0.49	***	0.66	5.6
40	14.86	19.63	26.37	4.61	80	0.54	***	0.77	9.4
50	14.11	19.61	26.51	4.61	79	0.63	***	0.78	9.3

STATION	DATE	TIME	LATITUDE	LONGITUDE
PT HACKING 1965	21/ 9/65		34 5 S	151 16 E

DEPTH	TEMP.	CHLORINITY	SIGMA-T	OXYGEN	OXYGEN % SAT.	I.P.	PART P	TOTAL P	NITRATE
0	16.97	19.68	25.96	5.43	99	0.19	***	0.31	0.8
10	16.96	19.72	26.02	5.42	99	0.32	***	0.38	0.3
20	16.97	19.75	26.06	5.47	100	0.20	***	0.37	0.4
30	16.45	19.72	26.14	5.08	92	0.40	***	0.54	3.4
40	15.66	19.70	26.30	4.90	87	0.46	***	0.57	6.1
50	14.99	19.64	26.36	4.79	84	0.54	***	0.65	8.7
75	13.96	19.59	26.51	4.69	80	0.64	***	0.79	10.7
100	13.74	19.58	26.55	4.88	83	0.62	***	0.81	10.0

STATION	DATE	TIME	LATITUDE	LONGITUDE
PT HACKING 1965	1/10/65		34 5 S	151 13 E

DEPTH	TEMP.	CHLORINITY	SIGMA-T	OXYGEN	OXYGEN % SAT.	I.P.	PART P	TOTAL P	NITRATE
0	17.93	19.71	25.77	5.46	101	0.15	***	0.59	***
10	17.95	19.71	25.77	5.43	101	0.16	***	0.63	0.3
20	17.47	19.72	25.80	5.51	101	0.16	***	0.51	0.6
30	15.69	19.68	26.21	4.78	85	0.40	***	0.68	4.1
40	14.98	19.65	26.38	4.48	78	0.59	***	0.86	8.5
50	14.40	19.62	26.46	4.36	75	0.66	***	1.28	10.8

STATION	DATE	TIME	LATITUDE	LONGITUDE
PT HACKING 1965	1/10/65		34 5 S	151 16 E

DEPTH	TEMP.	CHLORINITY	SIGMA-T	OXYGEN	OXYGEN % SAT.	I.P.	PART P	TOTAL P	NITRATE
0	17.89	19.71	25.78	5.53	103	0.16	***	0.49	0.2
10	17.89	19.72	25.79	5.54	103	0.18	***	0.37	0.2
20	17.77	19.70	25.80	5.54	102	0.17	***	0.40	0.5
30	17.21	19.70	25.93	5.38	98	0.24	***	0.40	0.2
40	16.55	19.69	26.08	5.03	91	0.36	***	0.51	2.6
50	15.89	19.69	26.23	4.81	86	0.48	***	0.60	6.0
75	14.73	19.65	26.43	4.58	80	0.63	***	0.79	9.4
100	14.40	19.63	26.47	4.64	80	0.62	***	0.80	9.7

STATION	DATE	TIME	LATITUDE	LONGITUDE
PT HACKING 1965	6/10/65		34 5 S	151 13 E

DEPTH	TEMP.	CHLORINITY	SIGMA-T	OXYGEN	OXYGEN % SAT.	I.P.	PART P	TOTAL P	NITRATE
0	17.29	19.71	25.93	5.61	103	0.21	***	0.36	0.6
10	17.27	19.73	25.96	5.62	103	0.25	***	0.45	0.2
20	17.22	19.74	25.99	5.52	101	0.25	***	0.46	0.4
30	16.98	19.74	26.04	5.37	98	0.28	***	***	1.0
40	16.86	19.75	26.09	5.33	97	0.28	***	***	0.9
50	16.81	19.73	26.07	5.29	96	0.30	***	***	1.3

STATION	DATE	TIME	LATITUDE	LONGITUDE
PT HACKING 1965	6/10/65		34 5 S	151 16 E

DEPTH	TEMP.	CHLORINITY	SIGMA-T	OXYGEN	OXYGEN % SAT.	I.P.	PART P	TOTAL P	NITRATE
0	17.39	19.73	25.93	5.56	102	0.24	***	***	0.4
10	17.34	19.78	26.01	5.61	103	0.26	***	***	0.4
20	17.35	19.77	25.99	5.57	102	0.25	***	0.46	0.3
30	17.32	19.78	26.01	5.57	102	0.25	***	0.52	0.4
40	17.02	19.75	26.05	5.34	97	0.28	***	0.48	1.6
50	16.86	***	***	5.33	***	0.33	***	0.58	1.3
75	16.35	19.71	26.15	5.22	94	0.42	***	0.66	3.4
100	16.25	19.71	26.18	5.13	92	0.42	***	***	3.8

STATION	DATE	TIME	LATITUDE	LONGITUDE
PT HACKING 1965	11/10/65		34 5 S	151 13 E

DEPTH	TEMP.	CHLORINITY	SIGMA-T	OXYGEN	OXYGEN % SAT.	I.P.	PART P	TOTAL P	NITRATE
0	18.05	19.70	25.73	5.52	103	0.24	***	0.45	0.2
10	17.74	19.71	25.82	5.53	102	0.23	***	0.41	0.1
20	17.68	19.71	25.84	5.54	102	0.21	***	0.42	0.0
30	17.04	19.71	25.99	5.37	98	0.27	***	0.52	0.7
40	16.67	19.71	26.08	5.19	94	0.38	***	0.42	2.0
50	16.21	19.70	26.17	5.02	90	0.45	***	***	4.2

STATION	DATE	TIME	LATITUDE	LONGITUDE
PT HACKING 1965	11/10/65		34 5 S	151 16 E

DEPTH	TEMP.	CHLORINITY	SIGMA-T	OXYGEN	OXYGEN % SAT.	I.P.	PART P	TOTAL P	NITRATE
0	17.77	19.72	25.82	5.49	102	0.21	***	0.36	0.2
10	17.70	19.75	25.88	5.51	102	0.23	***	0.60	0.1
20	17.71	19.74	25.87	5.51	102	0.22	***	0.82	0.2
30	17.68	19.73	25.86	5.53	102	0.22	***	0.29	0.0
40	17.31	19.71	25.93	5.42	99	0.25	***	0.33	0.1
50	16.78	19.72	26.06	5.37	97	0.27	***	0.42	0.6
75	16.08	19.68	26.19	4.98	89	0.44	***	0.45	4.8
100	15.29	19.62	26.26	4.75	84	0.57	***	0.69	7.6

STATION	DATE	TIME	LATITUDE	LONGITUDE
PT HACKING 1965	21/10/65		34 5 S	151 13 E

DEPTH	TEMP.	CHLORINITY	SIGMA-T	OXYGEN	OXYGEN % SAT.	I.P.	PART P	TOTAL P	NITRATE
0	16.96	19;57	25.81	5.76	105	0.27	***	0.49	0.4
10	17.05	19;62	25.86	5.58	102	0.27	***	0.45	0.4
20	17.03	19;63	25.88	5.54	101	0.27	***	0.38	0.2
30	16.99	19;63	25.91	5.54	101	0.28	***	0.39	0.4
40	16.69	19;61	25.89	5.54	101	0.29	***	0.47	0.5
50	16.66	19;62	25.90	5.45	99	0.29	***	0.36	0.3

STATION	DATE	TIME	LATITUDE	LONGITULE
PT HACKING 1965	21/10/65		34 5 S	151 16 E

DEPTH	TEMP.	CHLORINITY	SIGMA-T	OXYGEN	OXYGEN % SAT.	I.P.	PART P	TOTAL P	NITRATE
0	17.08	19;65	25.90	5.54	101	0.25	***	0.39	0.3
10	17.08	19;65	25.90	5.54	101	0.25	***	0.43	0.4
20	17.07	19;65	25.90	5.51	100	0.25	***	0.56	0.2
30	17.07	19;65	25.89	5.51	100	0.28	***	0.37	0.4
40	17.01	19;64	25.90	5.42	99	0.28	***	0.37	0.5
50	16.68	19;64	25.93	5.48	100	0.29	***	0.33	0.6
75	16.57	19;64	26.00	5.40	97	0.37	***	0.47	1.4
100	16.08	19;62	26.09	5.03	90	0.40	***	0.53	3.8

STATION	DATE	TIME	LATITUDE	LONGITUDE
PT HACKING 1965	25/10/65		34 5 S.	151 13 E

DEPTH	TEMP.	CHLORINITY	SIGMA-T	OXYGEN	OXYGEN % SAT.	I.P.	PART P	TOTAL P	NITRATE
0	17.42	19.56	25.69	5.53	101	0.23	***	0.37	0.9
10	17.16	19.56	25.75	5.37	98	0.23	***	0.47	0.5
20	17.07	19.57	25.78	5.48	100	0.23	***	0.25	0.4
30	17.04	19.58	25.82	5.37	98	0.24	***	0.40	0.3
40	17.03	19.59	25.82	5.48	100	0.24	***	0.38	0.5
50	17.03	19.65	25.91	5.42	99	0.24	***	0.37	1.1

STATION	DATE	TIME	LATITUDE	LONGITUDE
PT HACKING 1965	25/10/65		34. 5 S	151 16 E

DEPTH	TEMP.	CHLORINITY	SIGMA-T	OXYGEN	OXYGEN % SAT.	I.P.	PART P	TOTAL P	NITRATE
0	17.63	19.54	25.61	5.62	103	0.20	***	0.43	0.0
10	17.60	19.55	25.63	5.57	103	0.19	***	0.40	0.1
20	17.51	19.57	25.68	5.54	102	0.21	***	0.42	0.1
30	17.22	19.64	25.85	5.54	101	0.21	***	0.43	0.0
40	17.15	19.65	25.88	5.45	100	0.22	***	0.45	0.3
50	17.03	19.65	25.91	5.45	99	0.24	***	0.39	0.8
75	16.01	19.61	26.09	4.88	87	0.46	***	0.57	5.7
100	13.43	19.50	26.50	4.86	82	0.68	***	0.77	12.0

STATION	DATE	TIME	LATITUDE	LONGITUDE
PT HACKING 1965	3/11/65		34 5 S	151 13 E

DEPTH	TEMP.	CHLORINITY	SIGMA-T	OXYGEN	OXYGEN % SAT.	I.P.	PART P	TOTAL P	NITRATE
0	19.13	19.38	25.01	5.51	104	0.23	***	0.64	0.4
10	18.23	19.60	25.54	5.59	104	0.19	***	0.61	0.1
20	18.16	19.57	25.52	5.45	101	0.23	***	0.65	0.1
30	18.06	19.59	25.57	5.48	102	0.21	***	0.76	0.1
40	17.82	19.59	25.63	5.37	99	0.24	***	0.55	0.7
50	16.58	19.61	25.96	5.20	94	0.39	***	0.66	2.8

STATION	DATE	TIME	LATITUDE	LONGITUDE
PT HACKING 1965	3/11/65		34 5 S	151 16 E

DEPTH	TEMP.	CHLORINITY	SIGMA-T	OXYGEN	OXYGEN % SAT.	I.P.	PART P	TOTAL P	NITRATE
0	19.54	19.51	25.09	5.51	105	0.14	***	0.48	0.2
10	18.28	19.59	25.52	5.51	103	0.18	***	0.54	0.0
20	18.27	19.59	25.52	5.46	102	0.20	***	0.72	0.0
30	18.25	19.59	25.53	5.42	101	0.20	***	0.53	0.0
40	17.63	19.59	25.68	5.31	98	0.25	***	0.55	0.7
50	17.12	19.62	25.84	5.20	95	0.32	***	0.67	1.8
75	15.52	19.59	26.17	4.80	85	0.55	***	0.96	6.5
100	14.27	19.57	26.42	4.91	85	0.63	***	0.89	9.5

STATION	DATE	TIME	LATITUDE	LONGITUDE
PT HACKING 1965	8/11/65		34 5 S	151 13 E

DEPTH	TEMP.	CHLORINITY	SIGMA-T	OXYGEN	OXYGEN % SAT.	I.P.	PART P	TOTAL P	NITRATE
0	19.33	19.56	25.21	5.46	104	0.17	***	0.45	0.4
10	18.85	19.56	25.34	5.60	106	0.17	***	0.61	0.5
20	18.54	19.58	25.44	5.42	102	0.16	***	0.63	0.3
30	18.51	19.58	25.45	5.42	102	0.17	***	0.61	0.6
40	17.79	19.58	25.63	5.23	97	0.24	***	0.64	1.3
50	17.18	19.61	25.82	5.03	92	0.33	***	0.73	2.2

STATION	DATE	TIME	LATITUDE	LONGITUDE
PT HACKING 1965	8/11/65		34 5 S	151 16 E

DEPTH	TEMP.	CHLORINITY	SIGMA-T	OXYGEN	OXYGEN % SAT.	I.P.	PART P	TOTAL P	NITRATE
0	19.05	19.54	25.26	5.34	101	0.17	***	0.51	0.2
10	19.03	19.59	25.33	5.37	102	0.16	***	0.53	0.2
20	18.98	19.60	25.36	5.31	100	0.16	***	0.62	0.1
30	18.64	19.60	25.44	5.28	99	0.19	***	0.53	0.2
40	18.25	19.60	25.54	5.17	96	0.22	***	0.58	0.9
50	17.54	19.62	25.74	5.11	94	0.29	***	0.61	2.3
75	15.44	19.62	26.23	4.69	83	0.54	***	1.06	8.8
100	13.93	19.55	26.47	4.63	79	0.69	***	1.01	11.1

STATION	DATE	TIME	LATITUDE	LONGITUDE
PT HACKING 1965	15/11/65		34 5 S	151 13 E

DEPTH	TEMP.	CHLORINITY	SIGMA-T	OXYGEN	OXYGEN % SAT.	I.P.	PART P	TOTAL P	NITRATE
0	18.47	19.55	25.42	5.42	101	0.25	***	0.65	1.2
10	18.28	19.58	25.50	5.42	101	0.29	***	0.73	1.3
20	16.90	19.62	25.89	4.97	90	0.36	***	0.73	3.0
30	16.73	19.62	25.93	4.88	88	0.72	***	0.66	3.6
40	16.11	19.61	26.07	4.66	83	0.44	***	0.75	6.4
50	15.69	19.60	26.15	4.56	81	0.52	***	0.86	8.2

STATION	DATE	TIME	LATITUDE	LONGITUDE
PT HACKING 1965	15/11/65		34 5 S	151 16 E

DEPTH	TEMP.	CHLORINITY	SIGMA-T	OXYGEN	OXYGEN % SAT.	I.P.	PART P	TOTAL P	NITRATE
0	19.13	19.64	25.37	5.68	108	***	***	***	0.1
10	18.87	19.64	25.44	5.74	108	0.16	***	0.55	0.3
20	17.84	19.61	25.66	5.45	101	0.20	***	0.54	0.6
30	17.53	19.60	25.72	5.05	93	0.30	***	0.73	2.0
40	16.84	19.59	25.87	4.32	78	0.48	***	0.87	7.4
50	16.42	19.59	25.97	4.26	77	0.60	***	0.87	9.4
75	15.23	19.59	26.24	4.43	78	0.60	***	0.96	9.3
100	14.40	19.59	26.42	4.40	76	0.62	***	0.93	11.0

STATION	DATE	TIME	LATITUDE	LONGITUDE
PT HACKING 1965	23/11/65		34 5 S	151 13 E

DEPTH	TEMP.	CHLORINITY	SIGMA-T	OXYGEN	OXYGEN % SAT.	I.P.	PART P	TOTAL P	NITRATE
0	18.68	19.58	25.40	4.98	94	0.61	***	1.18	1.3
10	18.68	19.67	25.53	5.42	102	0.17	***	0.56	0.3
20	18.68	19.67	25.53	5.39	101	0.17	***	0.46	0.2
30	18.22	19.64	25.60	5.31	99	0.19	***	0.50	0.8
40	18.11	19.64	25.63	5.22	97	0.19	***	0.55	0.6
50	17.60	19.64	25.76	4.87	90	0.28	***	0.69	1.4

STATION	DATE	TIME	LATITUDE	LONGITUDE
PT HACKING 1965	23/11/65		34 5 S	151 16 E

DEPTH	TEMP.	CHLORINITY	SIGMA-T	OXYGEN	OXYGEN % SAT.	I.P.	PART P	TOTAL P	NITRATE
0	19.17	19.69	25.43	5.34	102	0.09	***	0.47	0.2
10	18.89	19.69	25.50	5.40	102	0.15	***	0.54	0.1
20	18.50	19.65	25.55	5.35	100	0.17	***	0.66	0.1
30	18.15	19.63	25.61	5.25	98	0.26	***	0.61	0.5
40	17.97	19.64	25.66	5.22	97	0.40	***	0.55	0.5
50	17.14	19.63	25.85	4.96	91	0.38	***	0.64	2.1
75	16.03	19.62	26.10	4.50	80	0.51	***	0.76	7.2
100	14.31	19.59	26.44	4.34	75	0.64	***	0.91	11.6

STATION	DATE	TIME	LATITUDE	LONGITUDE
PT HACKING 1965	7/12/65	1030 K	34 5 S	151 13 E

DEPTH	TEMP.	CHLORINITY	SIGMA-T	OXYGEN	OXYGEN % SAT.	I.P.	PART P	TOTAL P	NITRATE
0	19,40	19;58	25,22	5,53	105	0,15	***	0,54	0,0
10	18,62	19;59	25,43	5,70	107	0,21	***	0,62	0,0
20	17,40	19;59	25,74	5,56	102	0,21	***	0,66	0,4
30	16,21	19;59	26,02	5,62	101	0,44	***	0,82	4,3
40	15,06	19;57	26,25	4,32	76	0,66	***	0,91	10,5
50	14,81	19;56	26,29	4,21	73	0,69	***	0,95	11,5

STATION	DATE	TIME	LATITUDE	LONGITUDE
PT HACKING 1965	7/12/65	0830	34 5 S	151 16 E

DEPTH	TEMP.	CHLORINITY	SIGMA-T	OXYGEN	OXYGEN % SAT.	I.P.	PART P	TOTAL P	NITRATE
0	18,94	19;57	25,32	5,68	107	0,15	***	0,55	0,2
10	18,60	19,58	25,42	5,59	105	0,55	***	0,65	0,2
20	16,37	19;58	25,96	4,46	80	0,59	***	0,90	7,3
30	15,19	19,59	26,25	3,86	68	0,74	***	0,96	12,4
40	15,06	19,59	26,28	3,89	68	0,65	***	0,84	10,0
50	15,04	19;59	26,28	4,35	76	0,65	***	0,87	10,2
75	14,93	19;61	26,34	4,39	77	0,66	***	0,86	10,8
100	14,46	19;59	26,41	4,08	71	0;75	***	0,94	12,7

STATION	DATE	TIME	LATITUDE	LONGITUDE
PT HACKING 1965	13/12/65	1015 K	34 5 S	151 13 E

DEPTH	TEMP.	CHLORINITY	SIGMA-T	OXYGEN	OXYGEN % SAT.	I.P.	PART P	TOTAL P	NITRATE
0	20.28	19.56	24.97	5.37	104	0.16	***	0.41	0.3
10	19.64	19.57	25.14	5.34	102	0.20	***	0.51	0.7
20	16.89	19.57	25.83	4.68	85	0.45	***	0.72	5.7
30	15.27	19.58	26.22	4.10	72	0.71	***	0.96	10.2
40	14.67	19.56	26.32	4.00	69	0.75	***	0.94	12.1
50	14.45	19.56	26.37	4.00	69	0.79	***	0.99	12.5

STATION	DATE	TIME	LATITUDE	LONGITUDE
PT HACKING 1965	13/12/65	0830	34 5 S	151 16 E

DEPTH	TEMP.	CHLORINITY	SIGMA-T	OXYGEN	OXYGEN % SAT.	I.P.	PART P	TOTAL P	NITRATE
0	19.64	19.60	25.14	5.71	110	0.09	***	0.37	0.2
10	19.74	19.60	25.16	5.72	110	0.11	***	0.31	0.2
20	19.33	19.60	25.27	5.95	113	0.10	***	0.34	0.9
30	16.68	19.60	25.92	4.71	85	0.39	***	0.70	2.7
40	14.56	19.54	26.32	4.31	75	0.63	***	0.89	9.8
50	14.35	19.53	26.35	4.25	73	0.71	***	0.94	11.5
75	14.33	19.53	26.35	4.22	73	0.68	***	0.90	12.0
100	14.35	19.53	26.35	4.26	73	0.71	***	0.82	11.6

STATION	DATE	TIME	LATITUDE	LONGITUDE
PT HACKING 1965	20/12/65	0900	34 5 S	151 16 E

DEPTH	TEMP.	CHLORINITY	SIGMA-T	OXYGEN	OXYGEN % SAT.	I.P.	PART P	TOTAL P	NITRATE
0	19.61	19.70	25.33	5.25	101	0.15	***	0.37	0.3
10	19.63	19.71	25.34	5.25	101	0.14	***	0.33	0.2
20	19.63	19.71	25.34	5.25	101	0.14	***	0.24	0.2
30	19.61	19.71	25.35	5.26	101	0.17	***	0.34	0.1
40	18.98	19.66	25.44	5.26	100	0.17	***	0.38	0.3
50	17.76	19.69	25.79	4.68	87	0.41	***	0.49	2.6
75	16.09	19.60	26.06	4.38	78	0.55	***	0.80	4.6
100	14.72	19.54	26.28	4.10	71	0.72	***	0.94	7.1

DATA

PART 2

PHYTOPLANKTON

EXPLANATION OF HEADINGS

Part 2	Phytoplankton
DATE	Given as day/month/year
SPECIES	Gives the species name
NUMBER	Gives the number of individuals per gallon in surface, i.e. 0, 10, and 20 m (S), intermediate, i.e. 30 and 50 m (I), and bottom 75 and 100 m (B) combined samples

STATION PORT HACKING 100M DATE 14/ 4/65

SPECIES	NUMBER	
AMPHISOLENIA BIDENTATA KOFOID + SKOGSBERG	1	S
AMPHISOLENIA BIDENTATA KOFOID + SKOGSBERG	2	I
CERATIUM ARIETINUM (CLEVE)	2	S
CERATIUM BUCEROS (ZACHARIAS)	3	S
CERATIUM BUCEROS (ZACHARIAS)	1	I
CERATIUM CANDELABRUM (EHR) STEIN	2	S
CERATIUM DECLINATUM (KASTEN)	2	S
CERATIUM FALCATUM (KOFOID + JORGE)	5	S
CERATIUM FURCA (EHR) CLAP + LACH	11	S
CERATIUM FURCA (EHR) CLAP + LACH	1	I
CERATIUM FURCA (EHR) CLAP + LACH	3	B
CERATIUM FUSUS (EHR) DUJARDIN	3	S
CERATIUM FUSUS (EHR) DUJARDIN	3	I
CERATOCORYS HORRIDA (STEIN)	1	I
CERATIUM PENTAGONUM (GOURRET)	1	S
CERATIUM PENTAGONUM (GOURRET)	2	I
CERATIUM TRIPOS (O F MULLER) NITZCH	7	S
CERATIUM TRIPOS (O F MULLER) NITZCH	4	I
CHAETOCEROS SP	2	B
COSCINODISCUS SP	2	B
DINOPHYSIS TRIPOS (GOURETT)	11	S
DINOPHYSIS TRIPOS (GOURETT)	8	I
DINOPHYSIS TRIPOS (GOURETT)	2	B
EUCAMPIA SP	4	I
GONIAULAX SP	2	S
LEPTOCYLINDRUS SP	13	S
NAVICULA SP	5	I
NITZSCHIA PACIFICA (CUPP)	4	I
OXYTOXUM MILNERI (MUR + WHIT)	2	B
OXYTOXUM SP	5	S
PERIDINIUM GLOBULUS (STEIN)	7	S
PERIDINIUM GLOBULUS (STEIN)	4	I
PERIDINIUM GLOBULUS (STEIN)	2	B
PERIDINIUM OCEANICUM (VAN HOFFEN)	10	S
PERIDINIUM SP	3	I
PHALACROMA SP	1	I
PLEUROSIGMA SP	4	B
PODOLAMPAS PALMIPES STEIN	10	S
PODOLAMPAS PALMIPES STEIN	5	I
PROROCENTRUM SP	8	S
PROROCENTRUM SP	1	I
RHIZOSOLENIA ALATA (BRIGHTWELL)	7	I
RHIZOSOLENIA SP	4	S
SKELETONEMA COSTATUM (GREVILLE) CLEVE	4	S
SKELETONEMA COSTATUM (GREVILLE) CLEVE	1	I
TROPIDONEIS SP	1	B
TOTAL	186	

STATION PORT HACKING 100M DATE 21/ 4/65

SPECIES	NUMBER	
AMPHISOLENIA BIDENTATA KOFOID + SKOGSBERG	3	B
ASTERIONELLA JAPONICA (CLEVE + MOLLER)	8	S
CERATULINA BERGONII (H PERAG)	2	I
CERATIUM FURCA (EHR) CLAP + LACH	18	S
CERATIUM FURCA (EHR) CLAP + LACH	1	I
CERATIUM FURCA (EHR) CLAP + LACH	8	B
CERATIUM FUSUS (EHR) DUJARDIN	4	S
CERATIUM FUSUS (EHR) DUJARDIN	1	I
CERATIUM FUSUS (EHR) DUJARDIN	2	B
CERATIUM KOFOIDI (JORGE)	2	S
CERATIUM MASSILIENSE (GOURRET) JORGE	2	S
CERATIUM MASSILIENSE (GOURRET) JORGE	2	I
CERATIUM TERES (KOFOID)	17	S
CERATIUM TERES (KOFOID)	13	I
CERATIUM TERES (KOFOID)	2	B
CERATIUM TRIPOS (O F MULLER) NITZCH	8	S
CERATIUM TRIPOS (O F MULLER) NITZCH	2	I
CERATIUM TRIPOS (O F MULLER) NITZCH	1	B
CHAETOCEROS PERUVIANUM (BRIGHTWELL)	1	B
CLIMACODIUM FRAUENFELDIANUM (GRUNOW)	4	S
COSCINODISCUS SP	1	B
DINOPHYSIS ACUMINATE (CLAPP + LACH)	1	S
DINOPHYSIS MILES (CLEVE)	3	S
DINOPHYSIS MILES (CLEVE)	2	I
DINOPHYSIS URACANTHA (STEIN)	3	B
GONIAULAX POLYGRAMMA STEIN	5	S
GONIAULAX SP	4	B
HYALODISCUS STELLIGER (BAILEY)	8	S
HYALODISCUS STELLIGER (BAILEY)	5	I
LEPTOCYLINDRUS SP	24	S
LEPTOCYLINDRUS SP	8	I
LEPTOCYLINDRUS SP	2	B
LICMOPHORA SP	2	I
NAVICULA SP	15	S
NAVICULA SP	5	I
NAVICULA SP	2	B
NITZSCHIA LONGISSIMA (BREB) ROLFS	3	S
NITZSCHIA LONGISSIMA (BREB) ROLFS	3	I
NITZSCHIA LONGISSIMA (BREB) ROLFS	3	B
NITZSCHIA SERIATA (CLEVE)	4	S
NITZSCHIA SERIATA (CLEVE)	4	I
OXYTOXUM CURVATUM (KOFOID)	6	S
OXYTOXUM CURVATUM (KOFOID)	4	I
OXYTOXUM CURVATUM (KOFOID)	1	B
OXYTOXUM MILNERI (MUR + WHIT)	2	B
OXYTOXUM SCOLOPAX (STEIN)	10	S
OXYTOXUM SCOLOPAX (STEIN)	24	I
OXYTOXUM SCOLOPAX (STEIN)	5	B
OXYTOXUM TURBO (KOFOID)	4	S
OXYTOXUM TURBO (KOFOID)	3	B
PERIDINIUM GLOBULUS (STEIN)	12	S

STATION PORT HACKING 100M DATE 21/ 4/65

SPECIES	NUMBER	
PERIDINIUM STEINI (JORGENSEN)	4	S
PERIDINIUM TUBA (SCHILLER)	1	I
PERIDINIUM TUBA (SCHILLER)	3	B
PHALACROMA DORYPHORUM STEIN	2	S
PHALACROMA SP	5	I
PHALACROMA SP	5	B
PLANKTONIELLA SOL (WALLICA) SCHUTT	1	B
PLEUROSIGMA SP	1	S
PLEUROSIGMA SP	14	I
PODOLAMPAS PALMIPES STEIN	8	S
PODOLAMPAS PALMIPES STEIN	16	I
PODOLAMPAS PALMIPES STEIN	13	B
PODOLAMPAS SPINIFER (OKAMURA)	2	I
PROROCENTRUM MICANS EHR	85	S
PROROCENTRUM MICANS EHR	52	I
PROROCENTRUM SP	11	B
RHIZOSOLENIA ALATA (BRIGHTWELL)	14	S
RHIZOSOLENIA ALATA (BRIGHTWELL)	3	B
RHIZOSOLENIA STOLTERFORTHII (PERAGALLO)	2	I
SKELETONEMA COSTATUM (GREVILLE) CLEVE	2	S
STEPHANOPHYXIS SP	2	I
THALASSIOTHRIX NITZSCHIOIDES GRUNOW	1	I
TOTAL	526	

STATION PORT HACKING 100M DATE 27/ 4/65

SPECIES	NUMBER	
AMPHISOLENIA BIDENTATA KOFOID + SKOGSBERG	1	B
ASTERIONELLA JAPONICA (CLEVE + MOLLER)	110	S
ASTERIONELLA JAPONICA (CLEVE + MOLLER)	111	I
ASTERIONELLA JAPONICA (CLEVE + MOLLER)	4	B
BIDDULPHIA SP	4	I
CERATIUM FURCA (EHR) CLAP + LACH	27	S
CERATIUM FURCA (EHR) CLAP + LACH	10	I
CERATIUM FURCA (EHR) CLAP + LACH	1	B
CERATIUM FUSUS (EHR) DUJARDIN	3	S
CERATIUM FUSUS (EHR) DUJARDIN	3	I
CERATIUM MASSILIENSE (GOURRET) JORGE	5	S
CERATIUM MASSILIENSE (GOURRET) JORGE	3	I
CERATIUM TERES (KOFOID)	6	S
CERATIUM TERES (KOFOID)	4	I
CERATIUM TERES (KOFOID)	3	B
CERATIUM TRIPOS (O F MULLER) NITZCH	3	S
CERATIUM TRIPOS (O F MULLER) NITZCH	2	I
CHAETOCEROS DIDYMUM (EHR)	2	I
CHAETOCEROS SECUNDUM (CLEVE)	7	S
CHAETOCEROS SP	5	B
COSCINODISCUS CONCINNIS (W SMITH)	2	S
COSCINODISCUS CONCINNIS (W SMITH)	1	I
DINOPHYSIS MILES (CLEVE)	5	S
DINOPHYSIS MILES (CLEVE)	1	I
DINOPHYSIS MILES (CLEVE)	1	B
HEMIALUS HAUCKII (GRUNOW)	2	I
LEPTOCYLINDRUS SP	41	S
LEPTOCYLINDRUS SP	60	I
LEPTOCYLINDRUS SP	11	B
NAVICULA SP	4	B
NITZSCHIA LONGISSIMA (BREB) ROLFS	4	S
NITZSCHIA LONGISSIMA (BREB) ROLFS	12	I
NITZSCHIA SERIATA (CLEVE)	5	I
OXYTOXUM CURVATUM (KOFOID)	4	S
OXYTOXUM CURVATUM (KOFOID)	2	I
OXYTOXUM CURVATUM (KOFOID)	1	B
OXYTOXUM MILNERI (MUR + WHIT)	1	S
OXYTOXUM SCOLOPAX (STEIN)	5	S
OXYTOXUM SCOLOPAX (STEIN)	4	I
OXYTOXUM SCOLOPAX (STEIN)	1	B
OXYTOXUM TURBO (KOFOID)	2	S
OXYTOXUM TURBO (KOFOID)	2	B
PERIDINIUM GLOBULUS (STEIN)	2	B
PERIDINIUM TUBA (SCHILLER)	5	S
PERIDINIUM TUBA (SCHILLER)	3	I
PLANKTONIELLA SOL (WALLICA) SCHUTT	2	S
PLEUROSIGMA SP	4	S
PLEUROSIGMA SP	4	I
PLEUROSIGMA SP	3	B
PODOLAMPAS PALMIPES STEIN	5	S
PODOLAMPAS PALMIPES STEIN	6	I

STATION · PORT HACKING 100M DATE 27/ 4/65

SPECIES	NUMBER	
PODOLAMPAS PALMIPES STEIN	4	B
PROROCENTRUM MICANS EHR	6	I
PROROCENTRUM SP	28	S
RHIZOSOLENIA ALATA (BRIGHTWELL)	22	S
RHIZOSOLENIA ALATA (BRIGHTWELL)	10	I
RHIZOSOLENIA ALATA (BRIGHTWELL)	1	B
RHIZOSOLENIA STOLTERFORTHII (PERAGALLO)	4	S
RHIZOSOLENIA STOLTERFORTHII (PERAGALLO)	7	I
SKELETONEMA COSTATUM (GREVILLE) CLEVE	6	S
SKELETONEMA SP	5	I
STEPHANOPHYXIS PALMERIANA (GREVILLE) GRUNOW	27	S
STEPHANOPHYXIS PALMERIANA (GREVILLE) GRUNOW	16	I
STRIATELLA UNIPUNCTATA (LYNGBYE)	3	S
THALASSIOSIRA ROTULA (MENUNIER)	5	S
THALASSIOSIRA ROTULA (MENUNIER)	4	I
TOTAL	667	

STATION PORT HACKING 100M DATE 3/ 5/69

SPECIES	NUMBER	
AMPHISOLENIA BIDENTATA KOFOID + SKOGSBERG	1	S
AMPHISOLENIA GLOBIFERA KOF + SKOS	1	B
ASTEROMPHALUS HOOKERI (EHR)	1	S
ASTERIONELLA JAPONICA (CLEVE + MOLLER)	4	I
ASTERIONELLA JAPONICA (CLEVE + MOLLER)	2	B
BIDDULPHIA SP	1	I
CERATIUM CANDELABRUM (EHR) STEIN	1	S
CERATIUM EXTENSUM (GOURRET) CLEVE	2	S
CERATIUM FALCATUM (KOFOID + JORGE)	2	S
CERATIUM FURCA (EHR) CLAP + LACH	60	S
CERATIUM FURCA (EHR) CLAP + LACH	16	I
CERATIUM FURCA (EHR) CLAP + LACH	1	B
CERATIUM FUSUS (EHR) DUJARDIN	8	I
CERATIUM MASSILIENSE (GOURRET) JORGE	15	S
CERATIUM MASSILIENSE (GOURRET) JORGE	9	I
CERATIUM PENTAGONUM (GOURRET)	2	B
CERATIUM TERES (KOFOID)	15	S
CERATIUM TERES (KOFOID)	8	I
CERATIUM TERES (KOFOID)	1	B
CERATIUM TRIPOS (O F MULLER) NITZCH	35	S
CERATIUM TRIPOS (O F MULLER) NITZCH	8	I
CERATIUM VULTUR (CLEVE)	1	S
CHAETOCEROS SECUNDUM (CLEVE)	2	B
CORETHRON CRIOPHILUM (CASTRACANE)	1	I
DINOPHYSIS FORTII (PAV)	4	S
DINOPHYSIS FORTII (PAV)	5	I
DINOPHYSIS TRIPOS (GOURETT)	11	S
DINOPHYSIS TRIPOS (GOURETT)	10	I
GUINARDIA SP	2	B
HEMIALUS HAUCKII (GRUNOW)	13	S
HEMIALUS HAUCKII (GRUNOW)	1	I
LEPTOCYLINDRUS SP	3	S
LEPTOCYLINDRUS SP	2	I
MASTOGLOIA SP	12	B
NAVICULA SP	1	I
NAVICULA SP	5	B
NITZSCHIA LONGISSIMA (BREB) ROLFS	2	B
NITZSCHIA PACIFICA (CUPP)	1	I
NITZSCHIA PACIFICA (CUPP)	3	B
ORNITHOCERCUS MAGNIFICUS (STEIN)	1	I
OXYTOXUM SCOLOPAX (STEIN)	1	B
OXYTOXUM TURBO (KOFOID)	1	B
PERIDINIUM CRASSIPES (KOFOID)	2	I
PERIDINIUM DECIPIENS (JORGENSEN)	3	S
PERIDINIUM ELEGANS (CLEVE)	26	S
PERIDINIUM ELEGANS (CLEVE)	2	I
PERIDINIUM GLOBULUS (STEIN)	7	S
PERIDINIUM GLOBULUS (STEIN)	1	I
PERIDINIUM MURRAYI (KOFOID)	8	I
PHALACROMA ACUTUM (SCHUTT) PAV	1	I
PHALACROMA SP	1	B

STATION PORT HACKING 100M DATE 3/ 5/65

SPECIES	NUMBER	
PINNULARIA SP PINNULARIA SP	2	B
PLEUROSIGMA SP	4	I
PLEUROSIGMA SP	3	B
PODOLAMPAS PALMIPES STEIN	6	S
PODOLAMPAS PALMIPES STEIN	1	I
PODOLAMPAS PALMIPES STEIN	5	B
PROROCENTRUM GRACILE (SCHUTT)	2	S
PROROCENTRUM MICANS EHR	4	I
RHIZOSOLENIA ALATA (BRIGHTWELL)	3	S
RHIZOSOLENIA ALATA (BRIGHTWELL)	5	I
RHIZOSOLENIA ALATA (BRIGHTWELL)	4	B
RHIZOSOLENIA IMBRICATA (BRIGHTWELL)	5	I
RHIZOSOLENIA IMBRICATA (BRIGHTWELL)	4	B
SKELETONEMA SP	1	I
SKELETONEMA SP	1	B
THALASSIOTHRIX NITZSCHIOIDES GRUNOW	2	B
THALASSIOSIRA ROTULA (MENUNIER)	1	I
TOTAL	379	

STATION PORT HACKING 100M DATE 11/ 5/65

SPECIES	NUMBER	
AMPHISOLENIA BIDENTATA KOFOID + SKOGSBERG	2	S
AMPHIPRORA SP	4	B
BIDDULPHIA SP	2	B
CERATIUM EXTENSUM (GOURRET) CLEVE	1	S
CERATIUM FURCA (EHR) CLAP + LACH	12	S
CERATIUM FURCA (EHR) CLAP + LACH	1	I
CERATIUM FUSUS (EHR) DUJARDIN	10	S
CERATIUM PENTAGONUM (GOURRET)	17	S
CERATIUM PENTAGONUM (GOURRET)	3	I
CERATIUM TRIPOS (O F MULLER) NITZCH	17	S
CERATIUM TRIPOS (O F MULLER) NITZCH	1	I
CORETHRON CRIOPHILUM (CASTRACANE)	1	I
COSCINODISCUS SP	1	I
DINOPHYSIS MILES (CLEVE)	1	B
DINOPHYSIS OVUM (SCHUTT)	3	S
DINOPHYSIS OVUM (SCHUTT)	2	I
DINOPHYSIS OVUM (SCHUTT)	2	B
DINOPHYSIS TRIPOS (GOURETT)	13	S
HEMIALUS HAUCKII (GRUNOW)	2	S
HEMIALUS HAUCKII (GRUNOW)	1	I
LEPTOCYLINDRUS DANICUS (CLEVE)	2	S
LEPTOCYLINDRUS DANICUS (CLEVE)	1	B
LEPTOCYLINDRUS SP	2	I
MELOSIRA SP	1	B
NAVICULA SP	14	S
NAVICULA SP	23	I
NAVICULA SP	4	B
NITZSCHIA LONGISSIMA (BREB) ROLFS	3	S
NITZSCHIA LONGISSIMA (BREB) ROLFS	8	I
NITZSCHIA SERIATA (CLEVE)	1	B
ORNITHOCERCUS MAGNIFICUS (STEIN)	1	S
OXYTOXUM SCOLOPAX (STEIN)	2	S
OXYTOXUM TURBO (KOFOID)	2	S
OXYTOXUM TURBO (KOFOID)	1	B
PERIDINIUM ELEGANS (CLEVE)	2	S
PERIDINIUM ELEGANS (CLEVE)	3	I
PERIDINIUM GLOBULUS (STEIN)	2	S
PERIDINIUM GLOBULUS (STEIN)	2	I
PLANKTONIELLA SOL (WALLICA) SCHUTT	1	I
PLANKTONIELLA SOL (WALLICA) SCHUTT	1	B
PLEUROSIGMA SP	2	S
PLEUROSIGMA SP	8	I
PLEUROSIGMA SP	5	B
PODOLAMPAS PALMIPES STEIN	1	S
PODOLAMPAS PALMIPES STEIN	3	I
PODOLAMPAS PALMIPES STEIN	1	B
PROROCENTRUM MICANS EHR	4	S
PROROCENTRUM MICANS EHR	2	B
RHIZOSOLENIA ALATA (BRIGHTWELL)	1	S
RHIZOSOLENIA ALATA (BRIGHTWELL)	3	I
RHIZOSOLENIA ALATA (BRIGHTWELL)	1	B

STATION PORT HACKING 100M DATE 11/ 5/65

SPECIES	NUMBER
RHIZOSOLENIA IMBRICATA (BRIGHTWELL)	2 I
SKELETONEMA COSTATUM (GREVILLE) CLEVE	5 B
SKELETONEMA SP	2 S
STRIATELLA UNIPUNCTATA (LYNGBYE)	5 I
STRIATELLA UNIPUNCTATA (LYNGBYE)	3 B
THALASSIOSIRA SP	3 I
TRICERATIUM TESSELLATUM	1 I
TOTAL	224

STATION PORT HACKING 100M DATE 17/ 5/65

SPECIES	NUMBER	
ASTERIONELLA JAPONICA (CLEVE + MOLLER)	5	S
ASTERIONELLA JAPONICA (CLEVE + MOLLER)	9	I
ASTERIONELLA JAPONICA (CLEVE + MOLLER)	4	B
BIDDULPHIA SP	1	B
CERATIUM CANDELABRUM (EHR) STEIN	4	S
CERATIUM CANDELABRUM (EHR) STEIN	2	I
CERATIUM CANDELABRUM (EHR) STEIN	1	B
CERATIUM CARRIENSE (GOURRET)	5	I
CERATIUM DEFLEXUM (KOFOID) JORGE	1	B
CERATIUM EXTENSUM (GOURRET) CLEVE	1	S
CERATIUM EXTENSUM (GOURRET) CLEVE	1	I
CERATIUM FURCA (EHR) CLAP + LACH	157	S
CERATIUM FURCA (EHR) CLAP + LACH	116	I
CERATIUM FURCA (EHR) CLAP + LACH	15	B
CERATIUM FUSUS (EHR) DUJARDIN	19	S
CERATIUM FUSUS (EHR) DUJARDIN	12	I
CERATIUM FUSUS (EHR) DUJARDIN	3	B
CERATIUM GIBBERUM (GOURRET)	3	S
CERATIUM MACROCEROS (EHR) CLEVE	10	I
CERATIUM MACROCEROS (EHR) CLEVE	3	B
CERATIUM MASSILIENSE (GOURRET) JORGE	25	S
CERATIUM MASSILIENSE (GOURRET) JORGE	3	B
CERATIUM PENTAGONUM (GOURRET)	13	S
CERATIUM PENTAGONUM (GOURRET)	10	I
CERATIUM TRIPOS (O F MULLER) NITZCH	33	S
CERATIUM TRIPOS (O F MULLER) NITZCH	21	I
CHAETOCEROS DECIPIENS (CLEVE)	6	I
CHAETOCEROS DIVERSUM (CLEVE)	3	S
CHAETOCEROS DIVERSUM (CLEVE)	17	B
CHAETOCEROS SECUNDUM (CLEVE)	3	S
CHAETOCEROS SECUNDUM (CLEVE)	6	I
CHAETOCEROS SECUNDUM (CLEVE)	22	B
COSCINODISCUS SP	7	I
COSCINODISCUS SP	1	B
DINOPHYSIS FORTII (PAV)	20	S
DINOPHYSIS OVUM (SCHUTT)	20	I
DINOPHYSIS OVUM (SCHUTT)	3	B
DINOPHYSIS TRIPOS (GOURETT)	19	S
DINOPHYSIS TRIPOS (GOURETT)	25	I
DINOPHYSIS TRIPOS (GOURETT)	2	B
GONIAULAX PACIFICA (KOFOID)	3	S
GONIAULAX PACIFICA (KOFOID)	3	I
GUINARDIA FLACCIDA (CASTRACANE) PERAGALLO	66	S
GUINARDIA FLACCIDA (CASTRACANE) PERAGALLO	42	B
GUINARDIA SP	105	I
HEMIALUS HAUCKII (GRUNOW)	2	S
LAUDERIA ANNULATA (CLEVE)	16	S
NAVICULA SP	4	S
NAVICULA SP	6	I
NITZSCHIA LONGISSIMA (BREB) ROLFS	3	S
NITZSCHIA LONGISSIMA (BREB) ROLFS	3	I

STATION PORT HACKING 100M DATE 17/ 5/65

SPECIES	NUMBER	
NITZSCHIA LONGISSIMA (BREB) ROLFS	3	B
NITZSCHIA PACIFICA (CUPP)	3	S
OXYTOXUM SP	1	B
OXYTOXUM TURBO (KOFOID)	4	I
PERIDINIUM DEPRESSUM (BAILEY)	11	I
PERIDINIUM ELEGANS (CLEVE)	8	S
PERIDINIUM ELEGANS (CLEVE)	5	B
PERIDINIUM OVATUM (POUCHET SCHULT)	18	S
PERIDINIUM SP	2	S
PERIDINIUM TUBA (SCHILLER)	12	I
PHALACROMA OVUM (SCHUTT)	1	S
PHALACROMA OVUM (SCHUTT)	1	B
PLANKTONIELLA SOL (WALLICA) SCHUTT	2	I
PLEUROSIGMA SP	3	S
PLEUROSIGMA SP	4	B
PODOLAMPAS PALMIPES STEIN	2	S
PODOLAMPAS PALMIPES STEIN	1	I
PODOLAMPAS PALMIPES STEIN	3	B
PODOLAMPAS SPINIFER (OKAMURAI)	12	I
PODOLAMPAS SPINIFER (OKAMURAI)	3	B
PROROCENTRUM GRACILE (SCHUTT)	19	S
PROROCENTRUM SP	13	I
RHIZOSOLENIA ALATA (BRIGHTWELL)	22	S
RHIZOSOLENIA ALATA (BRIGHTWELL)	40	I
RHIZOSOLENIA ALATA (BRIGHTWELL)	31	B
RHIZOSOLENIA IMBRICATA (BRIGHTWELL)	7	S
RHIZOSOLENIA IMBRICATA (BRIGHTWELL)	8	I
RHIZOSOLENIA IMBRICATA (BRIGHTWELL)	4	B
RHIZOSOLENIA STOLTERFORTHII (PERAGALLO)	6	B
SCHROEDERELLA DELICATULA (PERAGALLO) PAVILLA	27	I
SKELETONEMA SP	4	S
SKELETONEMA SP	5	I
SKELETONEMA SP	3	B
STEPHANOPHYXIS PALMERIANA (GREVILLE) GRUNOW	6	I
STEPHANOPHYXIS SP	3	B
THALASSIOSIRA ROTULA (MENUNIER)	1	S
TOTAL	1182	

STATION PORT HACKING 100M DATE 24/ 5/65

SPECIES	NUMBER	
AMPHORA HENDEYI (FW)	8	B
BIDDULPHIA MOBILIENSIS (BAILEY)	7	I
BIDDULPHIA MOBILIENSIS (BAILEY)	2	B
CERATIUM FURCA (EHR) CLAP + LACH	8	S
CERATIUM FUSUS (EHR) DUJARDIN	5	S
CERATIUM FUSUS (EHR) DUJARDIN	3	I
CERATIUM MACROCEROS (EHR) CLEVE	4	I
CERATIUM MASSILIENSE (GOURRET) JORGE	12	S
CERATIUM PENTAGONUM (GOURRET)	4	S
CERATIUM PENTAGONUM (GOURRET)	4	I
CHAETOCEROS AFFINE (LAUDER)	6	S
CHAETOCEROS AFFINE (LAUDER)	13	B
CHAETOCEROS COMPRESSUM (LAUDER)	10	I
CHAETOCEROS DIVERSUM (CLEVE)	5	I
CHAETOCEROS SECUNDUM (CLEVE)	10	I
CHAETOCEROS SECUNDUM (CLEVE)	8	B
CLIMACODIUM FRAUENFELDIANUM (GRUNOW)	10	S
CLIMACODIUM FRAUENFELDIANUM (GRUNOW)	9	I
CLIMACOSPHENIA MONILIGERA (EHR)	4	B
COSCINODISCUS CONCINNIS (W SMITH)	22	S
COSCINODISCUS CONCINNIS (W SMITH)	14	I
COSCINODISCUS SP	4	I
COSCINODISCUS SP	4	B
DINOPHYSIS ROTUNDATA (KARSTEN)	8	S
DINOPHYSIS ROTUNDATA (KARSTEN)	4	I
DINOPHYSIS TRIPOS (GOURETT)	2	I
GUINARDIA FLACCIDA (CASTRACANE) PERAGALLO	41	S
GUINARDIA FLACCIDA (CASTRACANE) PERAGALLO	49	I
GUINARDIA FLACCIDA (CASTRACANE) PERAGALLO	31	B
HEMIAULUS MEMBRANACEUS (CLEVE)	6	S
LAUDERIA BOREALIS (GRUNOW)	4	S
LEPTOCYLINDRUS DANICUS (CLEVE)	11	S
LEPTOCYLINDRUS DANICUS (CLEVE)	21	I
LEPTOCYLINDRUS DANICUS (CLEVE)	11	B
LEPTOCYLINDRUS MINIMUS (GRUNOW)	6	S
LEPTOCYLINDRUS MINIMUS (GRUNOW)	22	I
LEPTOCYLINDRUS MINIMUS (GRUNOW)	5	B
LICMOPHORA ABBREVIATA AGARDH	5	S
LICMOPHORA SP	18	B
NAVICULA SP	10	S
NAVICULA SP	19	I
NAVICULA SP	18	B
NITZSCHIA LONGISSIMA (BREB) ROLFS	12	S
NITZSCHIA LONGISSIMA (BREB) ROLFS	40	I
NITZSCHIA LONGISSIMA (BREB) ROLFS	8	B
NITZSCHIA PACIFICA (CUPP)	5	I
NITZSCHIA SERIATA (CLEVE)	11	S
OXYTOXUM LONGICEPS (SCHILLER)	6	S
PERIDINIUM ELEGANS (CLEVE)	4	S
PERIDINIUM ELEGANS (CLEVE)	3	I
PLANKTONIELLA SOL (WALLICA) SCHUTT	2	S

STATION PORT HACKING 100M DATE 24/ 5/65

SPECIES	NUMBER	
PLEUROSIGMA SP	11	S
PLEUROSIGMA SP	15	I
PLEUROSIGMA SP	15	B
PODOLAMPAS PALMIPES STEIN	2	B
PODOLAMPAS SPINIFER (OKAMURAI)	2	S
PROROCENTRUM MICANS EHR	6	S
PROROCENTRUM SP	6	S
PROROCENTRUM SP	4	I
RHIZOSOLENIA ALATA (BRIGHTWELL)	29	S
RHIZOSOLENIA ALATA (BRIGHTWELL)	64	I
RHIZOSOLENIA ALATA (BRIGHTWELL)	27	B
RHIZOSOLENIA FRAGILLISSIMA (BERGON)	8	S
RHIZOSOLENIA IMBRICATA (BRIGHTWELL)	12	S
RHIZOSOLENIA IMBRICATA (BRIGHTWELL)	10	I
RHIZOSOLENIA IMBRICATA (BRIGHTWELL)	20	B
RHIZOSOLENIA ROBUSTA (NORMAN)	8	B
RHIZOSOLENIA STOLTERFORTHII (PERAGALLO)	118	S
RHIZOSOLENIA STOLTERFORTHII (PERAGALLO)	117	I
RHIZOSOLENIA STOLTERFORTHII (PERAGALLO)	58	B
SKELETONEMA SP	5	S
STEPHANOPHYXIS PALMERIANA (GREVILLE) GRUNOW	22	I
STEPHANOPHYXIS PALMERIANA (GREVILLE) GRUNOW	19	B
STREPTOTHECA THAMESIS (SHRUBSOLE)	3	S
STREPTOTHECA THAMESIS (SHRUBSOLE)	14	I
STREPTOTHECA THAMESIS (SHRUBSOLE)	2	B
THALASSIOTHRIX FRAUENFELDII (GRUNOW)	9	S
THALASSIOTHRIX FRAUENFELDII (GRUNOW)	3	B
THALASSIOTHRIX NITZSCHIOIDES GRUNOW	25	I
THALASSIOTHRIX NITZSCHIOIDES GRUNOW	8	B
TOTAL	1200	

STATION PORT HACKING 100M DATE 31/ 5/69

SPECIES	NUMBER	
AMPHISOLENIA SCHRODERI (K+S)	3	B
AMPHIPRORA SP	3	B
ASTERIONELLA JAPONICA (CLEVE + MOLLER)	1	I
BIDDULPHIA MOBILIENSIS (BAILEY)	1	B
CERATIUM EXTENSUM (GOURRET) CLEVE	1	S
CERATIUM FURCA (EHR) CLAP + LACH	16	S
CERATIUM FURCA (EHR) CLAP + LACH	6	I
CERATIUM FUSUS (EHR) DUJARDIN	19	S
CERATIUM FUSUS (EHR) DUJARDIN	13	I
CERATIUM MACROCEROS (EHR) CLEVE	8	S
CERATIUM MACROCEROS (EHR) CLEVE	5	I
CERATIUM MASSILIENSE (GOURRET) JORGE	4	I
CERATIUM PENTAGONUM (GOURRET)	18	S
CERATIUM PENTAGONUM (GOURRET)	23	I
CERATIUM TRIPOS (O F MULLER) NITZCH	3	S
CERATIUM TRIPOS (O F MULLER) NITZCH	9	I
CHAETOCEROS AFFINE (LAUDER)	29	I
CHAETOCEROS DECIPIENS (CLEVE)	1	B
CHAETOCEROS LORENZIANUM (GRUNOW)	15	I
CHAETOCEROS SECUNDUM (CLEVE)	2	B
CLIMACODIUM FRAUENFELDIANUM (GRUNOW)	1	B
COSCINODISCUS LINEATUS (EHR)	1	B
COSCINODISCUS SP	2	I
DINOPHYSIS OVUM (SCHUTT)	3	I
DINOPHYSIS ROTUNDATA (KARSTEN)	3	S
DINOPHYSIS TRIPOS (GOURETT)	17	S
DINOPHYSIS TRIPOS (GOURETT)	8	I
GONIAULAX HYALINA (OSTENFELD + SCHMIDT)	4	I
GONIAULAX LONGISPINA (LEBOUR)	3	I
GUINARDIA SP	4	S
HEMIALUS HAUCKII (GRUNOW)	4	S
HEMIALUS HAUCKII (GRUNOW)	5	I
LAUDERIA BOREALIS (GRUNOW)	1	S
LEPTOCYLINDRUS DANICUS (CLEVE)	4	S
LEPTOCYLINDRUS DANICUS (CLEVE)	18	I
MELANODINIUM NIGRICANS (SCHILLER)	2	S
NAVICULA SP	28	S
NAVICULA SP	29	I
NAVICULA SP	14	B
NITZSCHIA CLOSTERIUM (EHR) W SMITH	10	S
NITZSCHIA LONGISSIMA (BREB) ROLFS	8	S
NITZSCHIA LONGISSIMA (BREB) ROLFS	15	I
NITZSCHIA LONGISSIMA (BREB) ROLFS	1	B
NITZSCHIA SERIATA (CLEVE)	3	I
ORNITHOCERCUS MAGNIFICUS (STEIN)	1	I
OXYTOXUM SCOLOPAX (STEIN)	1	S
OXYTOXUM SCOLOPAX (STEIN)	2	I
OXYTOXUM SCOLOPAX (STEIN)	2	B
PERIDINIUM CRASSIPES (KOFOID)	3	S
PERIDINIUM CRASSIPES (KOFOID)	8	I
PERIDINIUM CRASSIPES (KOFOID)	6	B

STATION PORT HACKING 100M DATE 15/ 6/65

SPECIES	NUMBER	
AMPHORA HENDEYI (FW)	10	B
BIDDULPHIA MOBILIENSIS (BAILEY)	1	I
BIDDULPHIA MOBILIENSIS (BAILEY)	2	B
CERATIUM BUCEROS (ZACHARIAS)	4	S
CERATIUM EXTENSUM (GOURRET) CLEVE	2	S
CERATIUM FURCA (EHR) CLAP + LACH	6	S
CERATIUM FURCA (EHR) CLAP + LACH	6	I
CERATIUM FUSUS (EHR) DUJARDIN	7	S
CERATIUM FUSUS (EHR) DUJARDIN	5	I
CERATIUM MACROCEROS (EHR) CLEVE	3	S
CERATIUM MACROCEROS (EHR) CLEVE	6	I
CERATIUM PENTAGONUM (GOURRET)	15	S
CERATIUM PENTAGONUM (GOURRET)	12	I
CERATIUM PENTAGONUM (GOURRET)	1	B
CERATIUM TRIPOS (O F MULLER) NITZCH	13	S
CERATIUM TRIPOS (O F MULLER) NITZCH	5	I
CERATIUM TRIPOS (O F MULLER) NITZCH	1	B
CERATIUM VULTUR (CLEVE)	1	I
CHAETOCEROS AFFINE (LAUDER)	2	S
CLIMACODIUM FRAUENFELDIANUM (GRUNOW)	1	S
COSCINODISCUS SP	2	B
DACTYLIOSOLEN MEDITERRANEUS (PERAGALLA)	5	S
DINOPHYSIS OVUM (SCHUTT)	15	S
DINOPHYSIS OVUM (SCHUTT)	14	I
DINOPHYSIS TRIPOS (GOURETT)	9	S
DINOPHYSIS TRIPOS (GOURETT)	5	I
GUINARDIA FLACCIDA (CASTRACANE) PERAGALLO	14	S
GUINARDIA FLACCIDA (CASTRACANE) PERAGALLO	17	B
GUINARDIA SP	7	I
LEPTOCYLINDRUS DANICUS (CLEVE)	14	S
LEPTOCYLINDRUS DANICUS (CLEVE)	8	I
LEPTOCYLINDRUS DANICUS (CLEVE)	4	B
LICMOPHORA ABBREVIATA AGARDH	1	B
MASTOGLOIA ROSTRATA (WALLICH) HURSTEDT	1	B
NAVICULA SP	10	I
NAVICULA SP	20	B
NITZSCHIA LONGISSIMA (BREB) ROLFS	8	S
NITZSCHIA LONGISSIMA (BREB) ROLFS	5	I
NITZSCHIA LONGISSIMA (BREB) ROLFS	4	B
NITZSCHIA SERIATA (CLEVE)	1	I
OXYTOXUM MILNERI (MUR + WHIT)	1	S
OXYTOXUM MILNERI (MUR + WHIT)	1	I
OXYTOXUM SCOLOPAX (STEIN)	3	S
OXYTOXUM SCOLOPAX (STEIN)	1	I
PERIDINIUM BREVE (PAULSON)	5	B
PERIDINIUM CRASSIPES (KOFOID)	2	S
PERIDINIUM CRASSIPES (KOFOID)	7	I
PERIDINIUM DIVERGENS (EHR)	2	I
PERIDINIUM ELEGANS (CLEVE)	1	S
PERIDINIUM ELEGANS (CLEVE)	1	I
PERIDINIUM GLOBULUS (STEIN)	1	I

STATION PORT HACKING 100M DATE 8/ 6/65

SPECIES	NUMBER	
AMPHORA HENDEYI (FW)	2	I
AMPHORA HENDEYI (FW)	9	B
ASTERIONELLA JAPONICA (CLEVE + MOLLER)	2	I
BIDDULPHIA MOBILIENSIS (BAILEY)	1	B
CERATIUM FUSUS (EHR) DUJARDIN	21	S
CERATIUM FUSUS (EHR) DUJARDIN	3	I
CERATIUM MACROCEROS (EHR) CLEVE	3	S
CERATIUM PENTAGONUM (GOURRET)	38	S
CERATIUM PENTAGONUM (GOURRET)	7	I
CERATIUM TRIPOS (O F MULLER) NITZCH	10	S
CERATIUM TRIPOS (O F MULLER) NITZCH	2	I
CERATIUM TRIPOS (O F MULLER) NITZCH	1	B
CHAETOCEROS AFFINE (LAUDER)	5	I
CLIMACODIUM FRAUENFELDIANUM (GRUNOW)	3	S
CLIMACODIUM FRAUENFELDIANUM (GRUNOW)	6	I
DINOPHYSIS OVUM (SCHUTT)	5	I
DINOPHYSIS ROTUNDATA (KARSTEN)	3	S
DINOPHYSIS TRIPOS (GOURETT)	2	S
DINOPHYSIS TRIPOS (GOURETT)	2	I
DIPLOPSALIS SPHAERICA (MERUNIER)	3	S
FRAGILARIA OCEANICA (CLEVE)	5	I
GUINARDIA FLACCIDA (CASTRACANE) PERAGALLO	7	B
GUINARDIA SP	10	S
GUINARDIA SP	2	I
HEMIALUS HAUCKII (GRUNOW)	10	S
HEMIALUS HAUCKII (GRUNOW)	2	I
LEPTOCYLINDRUS DANICUS (CLEVE)	44	S
LEPTOCYLINDRUS DANICUS (CLEVE)	39	I
LEPTOCYLINDRUS MINIMUS (GRUNOW)	3	S
NAVICULA SP	20	S
NAVICULA SP	8	I
NAVICULA SP	3	B
NITZSCHIA CLOSTERIUM (EHR) W SMITH	10	I
NITZSCHIA LONGISSIMA (BREB) ROLFS	17	S
NITZSCHIA LONGISSIMA (BREB) ROLFS	25	I
NITZSCHIA LONGISSIMA (BREB) ROLFS	1	B
NITZSCHIA SERIATA (CLEVE)	2	S
NITZSCHIA SERIATA (CLEVE)	1	I
OXYTOXUM SCOLOPAX (STEIN)	4	S
OXYTOXUM SP	2	S
PERIDINIUM BREVE (PAULSON)	5	S
PERIDINIUM BREVE (PAULSON)	3	I
PERIDINIUM DEPRESSUM (BAILEY)	2	I
PERIDINIUM ELEGANS (CLEVE)	9	S
PERIDINIUM ELEGANS (CLEVE)	7	I
PERIDINIUM PYRIFORME (PAULSEN)	4	S
PERIDINIUM TENUISSIMUM (KOFOID)	5	S
PHALACROMA OVUM (SCHUTT)	2	I
PLANKTONIELLA SOL (WALLICA) SCHUTT	3	S
PLANKTONIELLA SOL (WALLICA) SCHUTT	1	I
PLANKTONIELLA SOL (WALLICA) SCHUTT	1	B

STATION PORT HACKING 100M DATE 8/ 6/65

SPECIES	NUMBER	
PLEUROSIGMA SP	6	S
PLEUROSIGMA SP	2	I
PLEUROSIGMA SP	1	B
PODOLAMPAS PALMIPES STEIN	3	S
PODOLAMPAS PALMIPES STEIN	3	I
PODOLAMPAS SPINIFER (OKAMURA)	1	I
PROROCENTRUM ROSTRATUM STEIN	2	B
PROROCENTRUM SCHILLERI (POHM)	16	S
PROROCENTRUM SP	3	I
PYROPHACUS HOROLOGICUM (STEIN)	2	I
RHIZOSOLENIA ALATA (BRIGHTWELL)	37	S
RHIZOSOLENIA ALATA (BRIGHTWELL)	8	I
RHIZOSOLENIA ALATA (BRIGHTWELL)	2	B
RHIZOSOLENIA IMBRICATA (BRIGHTWELL)	13	S
RHIZOSOLENIA SETIGERA BRIGHTWELL	2	I
RHIZOSOLENIA STOLTERFORTHII (PERAGALLO)	120	S
RHIZOSOLENIA STOLTERFORTHII (PERAGALLO)	25	I
STREPTOTHECA SP	3	S
THALASSIOTHRIX NITZSCHIOIDES GRUNOW	8	S
THALASSIOTHRIX NITZSCHIOIDES GRUNOW	4	I
TOTAL	642	

STATION PORT HACKING 100M DATE 31/ 5/65

SPECIES	NUMBER	
PERIDINIUM DIVERGENS (EHR)	5	S
PERIDINIUM MONACANTHUM (BROCK)	5	B
PERIDINIUM OCEANICUM (VAN HOFFEN)	3	S
PERIDINIUM PYRIFORME (PAULSEN)	6	S
PERIDINIUM TUBA (SCHILLER)	8	I
PLANKTONIELLA SOL (WALLICA) SCHUTT	2	S
PLANKTONIELLA SOL (WALLICA) SCHUTT	1	B
PLEUROSIGMA SP	3	S
PLEUROSIGMA SP	4	B
PODOLAMPAS PALMIPES STEIN	2	S
PODOLAMPAS PALMIPES STEIN	3	I
PODOLAMPAS PALMIPES STEIN	2	B
PODOLAMPAS SPINIFER (OKAMURAI)	1	B
PROROCENTRUM SCHILLERI (POHM)	10	S
PROROCENTRUM SCHILLERI (POHM)	11	I
PROROCENTRUM SCHILLERI (POHM)	1	B
PTYCHODISCUS NOCTILUCA (STEIN)	5	S
PYROCYSTIS SP	5	I
RHIZOSOLENIA ALATA (BRIGHTWELL)	10	S
RHIZOSOLENIA ALATA (BRIGHTWELL)	19	I
RHIZOSOLENIA ALATA (BRIGHTWELL)	4	B
RHIZOSOLENIA IMBRICATA (BRIGHTWELL)	8	I
RHIZOSOLENIA STOLTERFORTHII (PERAGALLO)	31	S
RHIZOSOLENIA STOLTERFORTHII (PERAGALLO)	64	I
RHIZOSOLENIA STOLTERFORTHII (PERAGALLO)	7	B
SKELETONEMA COSTATUM (GREVILLE) CLEVE	4	I
STEPHANOPHYXIS PALMERIANA (GREVILLE) GRUNOW	2	S
STEPHANOPHYXIS PALMERIANA (GREVILLE) GRUNOW	1	B
STREPTOTHECA THAMESIS (SHRUBSOLE)	1	S
THALASSIOTHRIX NITZSCHIOIDES GRUNOW	5	S
THALASSIOTHRIX NITZSCHIOIDES GRUNOW	34	I
TOTAL	658	

STATION PORT HACKING 100M DATE 15/ 6/65

SPECIES	NUMBER	
PERIDINIUM MURRAYI (KOFOID)	1	I
PERIDINIUM ORBICULARE (PAULSEN)	3	I
PERIDINIUM PENTAGONUM (GRAN)	1	S
PERIDINIUM PYRIFORME (PAULSEN)	3	S
PERIDINIUM PYRIFORME (PAULSEN)	1	I
PERIDINIUM SPHAERICUM (OKIMURA)	1	B
PHALACROMA PARVULUM (SCHUTT) JORGENSEN	2	B
PLANKTONIELLA SOL (WALLICA) SCHUTT	3	S
PLEUROSIGMA SP	1	S
PLEUROSIGMA SP	6	B
PODOLAMPAS PALMIPES STEIN	2	I
PODOLAMPAS PALMIPES STEIN	3	B
PODOLAMPAS SPINIFER (OKAMURAI)	1	S
PODOLAMPAS SPINIFER (OKAMURAI)	2	I
PODOLAMPAS SPINIFER (OKAMURAI)	4	B
PROROCENTRUM SCHILLERI (POHM)	23	S
PROROCENTRUM SP	6	I
PYROCYSTIS ROBUSTA (KOFOID)	3	B
RHIZOSOLENIA ALATA (BRIGHTWELL)	16	S
RHIZOSOLENIA ALATA (BRIGHTWELL)	8	I
RHIZOSOLENIA ALATA (BRIGHTWELL)	9	B
RHIZOSOLENIA STOLTERFORTHII (PERAGALLO)	65	S
RHIZOSOLENIA STOLTERFORTHII (PERAGALLO)	26	I
RHIZOSOLENIA STOLTERFORTHII (PERAGALLO)	22	B
STRIATELLA UNIPUNCTATA (LYNGBYE)	2	B
THALASSIOTHRIX NITZSCHIOIDES GRUNOW	1	S
THALASSIOTHRIX NITZSCHIOIDES GRUNOW	8	I
THALASSIOTHRIX NITZSCHIOIDES GRUNOW	3	B
TOTAL	518	

STATION PORT HACKING 100M DATE 21/ 6/65

SPECIES	NUMBER	
AMPHORA HENDEYI (FW)	15	B
BIDDULPHIA MOBILIENSIS (BAILEY)	3	S
CERATIUM CANDELABRUM (EHR) STEIN	1	I
CERATIUM EXTENSUM (GOURRET) CLEVE	1	B
CERATIUM HEXACANTHUM (GOURRET)	1	I
CERATIUM MACROCEROS (EHR) CLEVE	1	I
CERATIUM MACROCEROS (EHR) CLEVE	1	B
CERATIUM MASSILIENSE (GOURRET) JORGE	2	I
CERATIUM PENTAGONUM (GOURRET)	5	S
CERATIUM PENTAGONUM (GOURRET)	2	I
CERATIUM PENTAGONUM (GOURRET)	2	B
CERATIUM TRIPOS (O F MULLER) NITZCH	2	I
CHAETOCEROS AFFINE (LAUDER)	4	S
CHAETOCEROS AFFINE (LAUDER)	2	I
COSCINODISCUS SP	1	B
DINOPHYSIS FORTII (PAV)	5	S
DINOPHYSIS FORTII (PAV)	3	I
DINOPHYSIS FORTII (PAV)	1	B
DINOPHYSIS OVUM (SCHUTT)	10	S
DINOPHYSIS OVUM (SCHUTT)	2	I
DINOPHYSIS OVUM (SCHUTT)	2	B
DINOPHYSIS TRIPOS (GOURETT)	8	S
DINOPHYSIS TRIPOS (GOURETT)	5	I
DINOPHYSIS TRIPOS (GOURETT)	1	B
DIPLONEIS VACILLANS (A SCHMIDT) CLEVE	1	B
FRAGILARIA OCEANICA (CLEVE)	2	S
GONIAULAX SP	1	S
GUINARDIA FLACCIDA (CASTRACANE) PERAGALLO	12	S
GUINARDIA FLACCIDA (CASTRACANE) PERAGALLO	5	I
GUINARDIA FLACCIDA (CASTRACANE) PERAGALLO	5	B
GYMNODINIUM FLAVUM (KOFOID + SWEZY)	4	S
GYMNODINIUM SP	1	B
HEMIALUS HAUCKII (GRUNOW)	3	S
LAUDERIA SP	3	S
LEPTOCYLINDRUS DANICUS (CLEVE)	10	S
LEPTOCYLINDRUS DANICUS (CLEVE)	12	I
LEPTOCYLINDRUS DANICUS (CLEVE)	4	B
LICMOPHORA SP	1	I
NAVICULA SP	22	S
NAVICULA SP	28	I
NAVICULA SP	42	B
NITZSCHIA LONGISSIMA (BREB) ROLFS	72	S
NITZSCHIA LONGISSIMA (BREB) ROLFS	36	I
NITZSCHIA LONGISSIMA (BREB) ROLFS	13	B
NITZSCHIA SERIATA (CLEVE)	4	S
NITZSCHIA SERIATA (CLEVE)	2	I
NITZSCHIA SIGMA (KUTZING) W SMITH	4	I
NITZSCHIA SIGMA (KUTZING) W SMITH	2	B
ORNITHOCERCUS MAGNIFICUS (STEIN)	2	S
OXYTOXUM MILNERI (MUR + WHIT)	1	I
OXYTOXUM MILNERI (MUR + WHIT)	3	B

STATION PORT HACKING 100M DATE 21/ 6/65

SPECIES	NUMBER	
OXYTOXUM PACHYDERME (SCHILLER)	1	I
OXYTOXUM SCOLOPAX (STEIN)	2	S
OXYTOXUM SCOLOPAX (STEIN)	1	B
OXYTOXUM SP	3	S
PERIDINIUM CRASSIPES (KOFOID)	5	I
PERIDINIUM ELEGANS (CLEVE)	2	S
PERIDINIUM GLOBULUS (STEIN)	13	S
PERIDINIUM GLOBULUS (STEIN)	1	B
PERIDINIUM PYRIFORME (PAULSEN)	3	S
PERIDINIUM PYRIFORME (PAULSEN)	5	I
PLANKTONIELLA SOL (WALLICA) SCHUTT	2	S
PLEUROSIGMA SP	8	S
PLEUROSIGMA SP	1	B
PODOLAMPAS PALMIPES STEIN	4	B
PODOLAMPAS SPINIFER (OKAMURAI)	3	B
PROROCENTRUM GRACILE (SCHUTT)	2	I
PROROCENTRUM ROSTRATUM STEIN	31	S
PROROCENTRUM ROSTRATUM STEIN	16	I
PROROCENTRUM SP	2	B
PYROCYSTIS ROBUSTA (KOFOID)	2	I
PYROCYSTIS ROBUSTA (KOFOID)	2	B
RHIZOSOLENIA ALATA (BRIGHTWELL)	19	S
RHIZOSOLENIA ALATA (BRIGHTWELL)	51	I
RHIZOSOLENIA ALATA (BRIGHTWELL)	37	B
RHIZOSOLENIA STOLTERFORTHII (PERAGALLO)	52	S
RHIZOSOLENIA STOLTERFORTHII (PERAGALLO)	13	I
RHIZOSOLENIA STOLTERFORTHII (PERAGALLO)	15	B
STAURONEIS SP	2	S
STAURONEIS SP	1	I
STAURONEIS SP	1	B
STREPTOTHECA SP	3	S
SYNEDRA ACUS (KUTZING) GRUNOW	3	I
THALASSIOTHRIX NITZSCHIOIDES GRUNOW	4	S
THALASSIOTHRIX NITZSCHIOIDES GRUNOW	1	B
TOTAL	686	

STATION PORT HACKING 100M DATE 29/ 6/65

SPECIES	NUMBER	
AMPHISOLENIA GLOBIFERA KOF + SKOS	2	I
AMPHORA MENDEYI (FW)	10	B
AMPHIPRORA SP	3	S
AMPHIPRORA SP	5	I
CERATIUM FURCA (EHR) CLAP + LACH	3	S
CERATIUM FURCA (EHR) CLAP + LACH	1	I
CERATIUM FUSUS (EHR) DUJARDIN	7	S
CERATIUM FUSUS (EHR) DUJARDIN	5	I
CERATIUM MACROCEROS (EHR) CLEVE	1	S
CERATIUM MACROCEROS (EHR) CLEVE	1	I
CERATIUM PENTAGONUM (GOURRET)	4	S
CERATIUM PENTAGONUM (GOURRET)	3	I
CERATIUM TRIPOS (O F MULLER) NITZCH	2	S
CERATIUM TRIPOS (O F MULLER) NITZCH	5	I
CHAETOCEROS AFFINE (LAUDER)	1	S
CHAETOCEROS SECUNDUM (CLEVE)	1	I
COSCINODISCUS SP	4	S
COSCINODISCUS SP	5	B
CYMATOSIRA LORENNIANA (GRUNOW)	3	I
DINOPHYSIS FORTII (PAV)	8	S
DINOPHYSIS FORTII (PAV)	1	I
DINOPHYSIS OVUM (SCHUTT)	2	S
DINOPHYSIS OVUM (SCHUTT)	2	I
DINOPHYSIS TRIPOS (GOURETT)	8	S
DINOPHYSIS TRIPOS (GOURETT)	4	I
GONIAULAX POLYGRAMMA STEIN	1	I
GUINARDIA FLACCIDA (CASTRACANE) PERAGALLO	2	S
GUINARDIA SP	2	B
LEPTOCYLINDRUS DANICUS (CLEVE)	4	S
LEPTOCYLINDRUS DANICUS (CLEVE)	4	I
NAVICULA SP	15	S
NAVICULA SP	40	I
NAVICULA SP	2	B
NITZSCHIA CLOSTERIUM (EHR) W SMITH	1	I
NITZSCHIA LONGISSIMA (BREB) ROLFS	12	S
NITZSCHIA LONGISSIMA (BREB) ROLFS	7	I
NITZSCHIA LONGISSIMA (BREB) ROLFS	1	B
NITZSCHIA SERIATA (CLEVE)	2	S
NITZSCHIA SERIATA (CLEVE)	3	B
OXYTOXUM SCOLOPAX (STEIN)	1	I
OXYTOXUM SCOLOPAX (STEIN)	1	B
PERIDINIUM CENTENNIALE (PLAY) LE FEVRE	1	I
PERIDINIUM CRASSIPES (KOFOID)	1	S
PERIDINIUM CRASSIPES (KOFOID)	1	I
PERIDINIUM GLOBULUS (STEIN)	11	S
PERIDINIUM MONACANTHUM (BROCK)	3	S
PERIDINIUM MONACANTHUM (BROCK)	1	B
PERIDINIUM PYRIFORME (PAULSEN)	1	S
PERIDINIUM PYRIFORME (PAULSEN)	2	I
PERIDINIUM PYRIFORME (PAULSEN)	1	B
PLANKTONIELLA SOL (WALLICA) SCHUTT	1	S

STATION PORT HACKING 100M DATE 29/ 6/65

SPECIES	NUMBER	
PLANKTONIELLA SOL (WALLICA) SCHUTT	1	I
PLEUROSIGMA SP	2	S
PLEUROSIGMA SP	3	I
PLEUROSIGMA SP	4	B
PODOLAMPAS PALMIPES STEIN	1	S
PODOLAMPAS PALMIPES STEIN	1	I
PROROCENTRUM MICANS EHR	4	S
PROROCENTRUM SP	3	I
RHIZOSOLENIA ALATA (BRIGHTWELL)	2	S
RHIZOSOLENIA ALATA (BRIGHTWELL)	1	I
RHIZOSOLENIA ALATA (BRIGHTWELL)	1	B
RHIZOSOLENIA STOLTERFORTHII (PERAGALLO)	4	S
RHIZOSOLENIA STOLTERFORTHII (PERAGALLO)	6	I
SCHROEDERELLA DELICATULA (PERAGALLO) PAVILLA	26	I
STAURONEIS SP	1	I
THALASSIOTHRIX NITZSCHIOIDES GRUNOW	1	I
TOTAL	273	

STATION PORT HACKING 100M DATE 6/ 7/65

SPECIES	NUMBER	
AMPHISOLENIA GLOBIFERA KOF + SKOS	1	B
ASTERIONELLA JAPONICA (CLEVE + MOLLER)	7	S
ASTERIONELLA JAPONICA (CLEVE + MOLLER)	12	I
BIDDULPHIA MOBILIENSIS (BAILEY)	4	S
BIDDULPHIA MOBILIENSIS (BAILEY)	1	I
CERATIUM FURCA (EHR) CLAP + LACH	3	S
CERATIUM FUSUS (EHR) DUJARDIN	13	S
CERATIUM FUSUS (EHR) DUJARDIN	2	I
CERATIUM PENTAGONUM (GOURRET)	12	S
CERATIUM PENTAGONUM (GOURRET)	6	I
CERATIUM TRIPOS (O F MULLER) NITZCH	2	S
CHAETOCEROS AFFINE (LAUDER)	1	I
CHAETOCEROS AFFINE (LAUDER)	3	B
CHAETOCEROS SECUNDUM (CLEVE)	2	S
CHAETOCEROS SP	1	B
CORETHRON CRIOPHILUM (CASTRACANE)	4	B
DINOPHYSIS FORTII (PAV)	3	S
DINOPHYSIS FORTII (PAV)	3	I
DINOPHYSIS OVUM (SCHUTT)	5	S
DINOPHYSIS OVUM (SCHUTT)	2	I
DINOPHYSIS TRIPOS (GOURETT)	10	S
DINOPHYSIS TRIPOS (GOURETT)	3	I
DITYLUM SOL (GRUNOW) DE TONI	2	I
DITYLUM SOL (GRUNOW) DE TONI	1	B
GLENODINIUM SP	2	S
GUINARDIA FLACCIDA (CASTRACANE) PERAGALLO	25	S
GUINARDIA FLACCIDA (CASTRACANE) PERAGALLO	11	I
GUINARDIA FLACCIDA (CASTRACANE) PERAGALLO	3	B
HEMIALUS HAUCKII (GRUNOW)	1	B
LEPTOCYLINDRUS DANICUS (CLEVE)	43	S
LEPTOCYLINDRUS DANICUS (CLEVE)	26	I
LEPTOCYLINDRUS DANICUS (CLEVE)	3	B
LEPTOCYLINDRUS MINIMUS (GRUNOW)	9	S
MELOSIRA MONILIFORMIS (MULLER) AGARDH	40	S
MELOSIRA SP	7	B
NAVICULA SP	58	S
NAVICULA SP	52	I
NAVICULA SP	68	B
NITZSCHIA CLOSTERIUM (EHR) W SMITH	10	I
NITZSCHIA LONGISSIMA (BREB) ROLFS	32	S
NITZSCHIA LONGISSIMA (BREB) ROLFS	415	I
NITZSCHIA LONGISSIMA (BREB) ROLFS	165	B
NITZSCHIA SERIATA (CLEVE)	103	S
NITZSCHIA SERIATA (CLEVE)	95	I
NITZSCHIA SERIATA (CLEVE)	47	B
OXYTOXUM SCOLOPAX (STEIN)	4	S
OXYTOXUM SCOLOPAX (STEIN)	1	I
PERIDINIUM BREVE (PAULSON)	2	S
PERIDINIUM CRASSIPES (KOFOID)	5	S
PERIDINIUM CRASSIPES (KOFOID)	2	I
PERIDINIUM CRASSIPES (KOFOID)	1	B

STATION PORT HACKING 100M DATE 6/ 7/65

SPECIES	NUMBER	
PERIDINIUM EXCENTRICUM (PAULSEN)	4	S
PERIDINIUM TUBA (SCHILLER)	10	S
PERIDINIUM TUBA (SCHILLER)	5	I
PLANKTONIELLA SOL (WALLICA) SCHUTT	1	I
PLEUROSIGMA SP	12	S
PLEUROSIGMA SP	55	I
PLEUROSIGMA SP	29	B
PODOLAMPAS PALMIPES STEIN	4	S
PODOLAMPAS PALMIPES STEIN	1	I
PODOLAMPAS PALMIPES STEIN	2	B
PROROCENTRUM DENTATUM STEIN	3	S
PROROCENTRUM ROSTRATUM STEIN	2	S
PROROCENTRUM SP	24	S
PROROCENTRUM SP	12	I
RHIZOSOLENIA ALATA (BRIGHTWELL)	34	S
RHIZOSOLENIA ALATA (BRIGHTWELL)	11	I
RHIZOSOLENIA ALATA (BRIGHTWELL)	25	B
RHIZOSOLENIA STOLTERFORTHII (PERAGALLO)	25	S
RHIZOSOLENIA STOLTERFORTHII (PERAGALLO)	19	I
RHIZOSOLENIA STOLTERFORTHII (PERAGALLO)	2	B
SCHROEDERELLA DELICATULA (PERAGALLO) PAVILLA	9	I
SKELETONEMA COSTATUM (GREVILLE) CLEVE	10	S
STAURONEIS SP	2	S
STEPHANOPHYXIS PALMERIANA (GREVILLE) GRUNOW	7	I
STREPTOTHECA THAMESIS (SHRUBSOLE)	4	I
STRIATELLA UNIPUNCTATA (LYNGBYE)	6	S
THALASSIOSIRA CONDENSATA (CLEVE)	40	I
THALASSIOSIRA DECIPIENS (GRUNOW) JORGENSEN	4	S
THALASSIOTHRIX FRAUENFELDII (GRUNOW)	1	I
THALASSIOTHRIX FRAUENFELDII (GRUNOW)	1	B
THALASSIOTHRIX NITZSCHIOIDES GRUNOW	9	S
THALASSIOTHRIX NITZSCHIOIDES GRUNOW	15	I
THALASSIOTHRIX NITZSCHIOIDES GRUNOW	4	B
TOTAL	1725	

STATION PORT HACKING 100M DATE 12/ 7/65

SPECIES	NUMBER	
AMPHISOLENIA BIDENTATA KOFOID + SKOGSBERG	1	B
AMPHIPRORA SP	2	I
ASTEROMPHALUS HEPTACTIS (RALFS)	1	I
ASTERIONELLA JAPONICA (CLEVE + MOLLER)	46	B
BIDDULPHIA SP	2	B
CERATIUM FURCA (EHR) CLAP + LACH	4	S
CERATIUM FURCA (EHR) CLAP + LACH	1	I
CERATIUM FUSUS (EHR) DUJARDIN	29	S
CERATIUM FUSUS (EHR) DUJARDIN	9	I
CERATIUM MACROCEROS (EHR) CLEVE	3	S
CERATIUM PENTAGONUM (GOURRET)	9	S
CERATIUM PENTAGONUM (GOURRET)	5	I
CERATIUM TRIPOS (O F MULLER) NITZCH	5	S
CERATIUM TRIPOS (O F MULLER) NITZCH	1	I
CHAETOCEROS AFFINE (LAUDER)	6	S
CHAETOCEROS AFFINE (LAUDER)	12	I
CHAETOCEROS AFFINE (LAUDER)	3	B
CHAETOCEROS SECUNDUM (CLEVE)	2	B
CHAETOCEROS WIGHAMII (BRIGHTWELL)	2	I
CORETHRON CRIOPHILUM (CASTRACANE)	1	B
COSCINODISCUS CONCINNIS (W SMITH)	6	S
COSCINODISCUS SP	1	B
DINOPHYSIS FORTII (PAV)	4	S
DINOPHYSIS OVUM (SCHUTT)	3	S
DINOPHYSIS TRIPOS (GOURETT)	6	S
DINOPHYSIS TRIPOS (GOURETT)	3	I
DITYLUM SOL (GRUNOW) DE TONI	2	S
DITYLUM SOL (GRUNOW) DE TONI	1	B
GONIAULAX HYALINA (OSTENFELD + SCHMIDT)	1	I
GONIAULAX KOFOIDI (PAVILLARD)	3	S
GUINARDIA FLACCIDA (CASTRACANE) PERAGALLO	2	I
GUINARDIA FLACCIDA (CASTRACANE) PERAGALLO	1	B
HISTIONEIS LONGICOLLIS (KOFOID)	1	I
LEPTOCYLINDRUS DANICUS (CLEVE)	21	I
LEPTOCYLINDRUS DANICUS (CLEVE)	14	B
LEPTOCYLINDRUS SP	33	S
NAVICULA SP	17	S
NAVICULA SP	36	I
NAVICULA SP	29	B
NITZSCHIA LONGISSIMA (BREB) ROLFS	6	S
NITZSCHIA LONGISSIMA (BREB) ROLFS	24	I
NITZSCHIA LONGISSIMA (BREB) ROLFS	15	B
NITZSCHIA SERIATA (CLEVE)	9	S
NITZSCHIA SERIATA (CLEVE)	7	I
NITZSCHIA SERIATA (CLEVE)	25	B
OXYTOXUM CONSTRICTUM (STEIN)	1	I
OXYTOXUM SCOLOPAX (STEIN)	3	S
OXYTOXUM SCOLOPAX (STEIN)	3	I
OXYTOXUM SCOLOPAX (STEIN)	1	B
PERIDINIUM CRASSIPES (KOFOID)	4	S
PERIDINIUM GLOBULUS (STEIN)	7	S

STATION PORT HACKING 100M DATE 12/ 7/65

SPECIES	NUMBER	
PERIDINIUM GLOBULUS (STEIN)	2	I
PERIDINIUM PYRIFORME (PAULSEN)	3	S
PERIDINIUM SP	12	S
PERIDINIUM SP	4	I
PERIDINIUM TUBA (SCHILLER)	3	S
PLANKTONIELLA SOL (WALLICA) SCHUTT	3	S
PLANKTONIELLA SOL (WALLICA) SCHUTT	2	I
PLEUROSIGMA SP	5	I
PLEUROSIGMA SP	6	B
PODOLAMPAS PALMIPES STEIN	2	S
PODOLAMPAS PALMIPES STEIN	2	B
PROROCENTRUM SP	9	S
PROROCENTRUM SP	10	I
PROROCENTRUM SP	2	B
PTYCHODISCUS BARINATUS (KOFOID)	1	I
RHIZOSOLENIA ALATA (BRIGHTWELL)	75	S
RHIZOSOLENIA ALATA (BRIGHTWELL)	39	I
RHIZOSOLENIA ALATA (BRIGHTWELL)	6	B
RHIZOSOLENIA FRAGILLISSIMA (BERGON)	8	S
RHIZOSOLENIA FRAGILLISSIMA (BERGON)	20	I
RHIZOSOLENIA IMBRICATA (BRIGHTWELL)	9	S
RHIZOSOLENIA IMBRICATA (BRIGHTWELL)	2	I
RHIZOSOLENIA IMBRICATA (BRIGHTWELL)	2	B
RHIZOSOLENIA STOLTERFORTHII (PERAGALLO)	271	S
RHIZOSOLENIA STOLTERFORTHII (PERAGALLO)	215	I
RHIZOSOLENIA STOLTERFORTHII (PERAGALLO)	6	B
SKELETONEMA COSTATUM (GREVILLE) CLEVE	5	B
SYNEDRA ACUS (KUTZING) GRUNOW	1	S
SYNEDRA HENNEDYANA (GREGORY)	5	I
SYNEDRA SP	2	I
THALASSIOTHRIX FRAUENFELDII (GRUNOW)	4	I
THALASSIOTHRIX NITZSCHIOIDES GRUNOW	2	I
THALASSIOSIRA ROTULA (MENUNIER)	17	B
TOTAL	1188	

STATION PORT HACKING 100M DATE 27/ 7/65

SPECIES	NUMBER	
AMPHIPRORA SP	1	S
AMPHIPRORA SP	2	I
AMPHIPRORA SP	4	B
ASTERIONELLA JAPONICA (CLEVE + MOLLER)	47	S
ASTERIONELLA JAPONICA (CLEVE + MOLLER)	39	I
ASTERIONELLA JAPONICA (CLEVE + MOLLER)	5	B
BIDDULPHIA MOBILIENSIS (BAILEY)	1	S
CERATIUM FURCA (EHR) CLAP + LACH	1	S
CERATIUM FURCA (EHR) CLAP + LACH	1	B
CERATIUM FUSUS (EHR) DUJARDIN	7	S
CERATIUM FUSUS (EHR) DUJARDIN	8	I
CERATIUM FUSUS (EHR) DUJARDIN	1	B
CERATIUM INFLATUM (KOFOID) JORGE	1	S
CERATIUM PENTAGONUM (GOURRET)	6	S
CERATIUM PENTAGONUM (GOURRET)	3	I
CERATIUM PENTAGONUM (GOURRET)	1	B
CHAETOCEROS AFFINE (LAUDER)	1	I
CORETHRON CRIOPHILUM (CASTRACANE)	3	I
CORETHRON CRIOPHILUM (CASTRACANE)	2	B
COSCINODISCUS SP	3	S
COSCINODISCUS SP	1	I
COSCINODISCUS SP	2	B
DINOPHYSIS FORTII (PAV)	3	S
DINOPHYSIS FORTII (PAV)	7	I
DIPLONEIS FUSCA (GREGORY)	1	S
GONIAULAX SP	2	I
GUINARDIA FLACCIDA (CASTRACANE) PERAGALLO	1	S
	1	I
HEMIALUS HAUCKII (GRUNOW)	1	I
HEMIALUS HAUCKII (GRUNOW)	1	B
LEPTOCYLINDRUS DANICUS (CLEVE)	2	S
LEPTOCYLINDRUS DANICUS (CLEVE)	5	I
LEPTOCYLINDRUS DANICUS (CLEVE)	1	B
LICMOPHORA FLABELLATA (CARMICHAEL) AGARDH	1	I
MELOSIRA SP	10	S
MELOSIRA SP	8	B
NAVICULA SP	41	S
NAVICULA SP	23	I
NAVICULA SP	51	B
NITZSCHIA LONGISSIMA (BREB) ROLFS	45	S
NITZSCHIA LONGISSIMA (BREB) ROLFS	24	I
NITZSCHIA LONGISSIMA (BREB) ROLFS	31	B
NITZSCHIA SERIATA (CLEVE)	3	S
NITZSCHIA SERIATA (CLEVE)	9	B
OXYTOXUM SCOLOPAX (STEIN)	2	S
OXYTOXUM SCOLOPAX (STEIN)	1	I
PERIDINIUM CRASSIPES (KOFOID)	2	S
PERIDINIUM DEPRESSUM (BAILEY)	2	I
PERIDINIUM GLOBULUS (STEIN)	9	S
PERIDINIUM SP	3	I
PERIDINIUM SP	1	B

STATION PORT HACKING 100M DATE 27/ 7/65

SPECIES	NUMBER	
PLEUROSIGMA SP	21	S
PLEUROSIGMA SP	9	I
PLEUROSIGMA SP	12	B
PROROCENTRUM ROSTRATUM STEIN	5	I
PROROCENTRUM ROSTRATUM STEIN	1	B
PROROCENTRUM SCHILLERI (POHM)	5	I
PROROCENTRUM SCHILLERI (POHM)	1	B
PROROCENTRUM SP	3	S
RHIZOSOLENIA ALATA (BRIGHTWELL)	5	S
RHIZOSOLENIA ALATA (BRIGHTWELL)	2	I
RHIZOSOLENIA ALATA (BRIGHTWELL)	2	B
RHIZOSOLENIA STOLTERFORTHII (PERAGALLO)	9	S
RHIZOSOLENIA STOLTERFORTHII (PERAGALLO)	13	I
RHIZOSOLENIA STOLTERFORTHII (PERAGALLO)	5	B
STEPHANOPHYXIS PALMERIANA (GREVILLE) GRUNOW	4	S
STEPHANOPHYXIS SP	1	B
SYNEDRA SP	11	B
THALASSIOTHRIX NITZSCHIOIDES GRUNOW	2	I
THALASSIOTHRIX NITZSCHIOIDES GRUNOW	3	B
THALASSIOSIRA ROTULA (MENUNIER)	8	I
TOTAL	553	

STATION PORT HACKING 100M DATE 3/ 8/65

SPECIES	NUMBER	
AMPHIPRORA SP	3	S
AMPHIPRORA SP	7	I
AMPHIPRORA SP	5	B
ASTEROMPHALUS HEPTACTIS (RALFS)	1	I
ASTERIONELLA JAPONICA (CLEVE + MOLLER)	2	B
BIDDULPHIA SP	3	I
CERATIUM FUSUS (EHR) DUJARDIN	1	S
CERATIUM FUSUS (EHR) DUJARDIN	2	I
CERATIUM FUSUS (EHR) DUJARDIN	1	B
CERATIUM MACROCEROS (EHR) CLEVE	1	I
CERATIUM TRIPOS (O F MULLER) NITZCH	1	I
CHAETOCEROS AFFINE (LAUDER)	1	I
CLIMACODIUM FRAUENFELDIANUM (GRUNOW)	1	B
CORETHRON CRIOPHILUM (CASTRACANE)	1	S
CORETHRON CRIOPHILUM (CASTRACANE)	1	B
COSCINODISCUS SP	1	I
DINOPHYSIS FORTII (PAV)	5	S
DIPLONEIS CONSTRICTA (CL)	1	I
DIPLONEIS CONSTRICTA (CL)	1	B
DITYLUM BRIGHTWELLII (WEST) GRUNOW	2	I
DITYLUM SOL (GRUNOW) DE TONI	1	S
GRAMMATOPHORA MARINA (LYNGBYE) KUTZING	4	B
GUINARDIA SP	2	I
GYMNODINIUM SP	1	B
HEMIALUS HAUCKII (GRUNOW)	2	S
LEPTOCYLINDRUS DANICUS (CLEVE)	9	S
LEPTOCYLINDRUS DANICUS (CLEVE)	3	I
LICMOPHORA SP	2	S
MELOSIRA SP	6	S
MELOSIRA SP	73	I
MELOSIRA SP	8	B
NAVICULA SP	37	S
NAVICULA SP	41	I
NAVICULA SP	40	B
NITZSCHIA LONGISSIMA (BREB) ROLFS	107	S
NITZSCHIA LONGISSIMA (BREB) ROLFS	33	I
NITZSCHIA LONGISSIMA (BREB) ROLFS	23	B
NITZSCHIA SERIATA (CLEVE)	5	S
NITZSCHIA SERIATA (CLEVE)	3	I
NITZSCHIA SERIATA (CLEVE)	4	B
OXYTOXUM TURBO (KOFOID)	1	I
PERIDINIUM CRASSIPES (KOFOID)	1	I
PERIDINIUM GLOBULUS (STEIN)	2	I
PERIDINIUM GLOBULUS (STEIN)	1	B
PERIDINIUM GRANDE (KOFOID)	2	I
PERIDINIUM TUBA (SCHILLER)	1	S
PLEUROSIGMA SP	34	S
PLEUROSIGMA SP	27	I
PLEUROSIGMA SP	20	B
PROROCENTRUM ROSTRATUM STEIN	4	S
PROROCENTRUM ROSTRATUM STEIN	4	I

STATION PORT HACKING 100M DATE 3/ 8/65

SPECIES	NUMBER	
PROROCENTRUM ROSTRATUM STEIN	1	B
PROROCENTRUM SCHILLERI (POHM)	1	S
PYROCYSTIS ROBUSTA (KOFOID)	1	S
RHIZOSOLENIA ALATA (BRIGHTWELL)	4	S
RHIZOSOLENIA ALATA (BRIGHTWELL)	2	I
RHIZOSOLENIA ALATA (BRIGHTWELL)	5	B
RHIZOSOLENIA IMBRICATA (BRIGHTWELL)	1	S
RHIZOSOLENIA STOLTERFORTHII (PERAGALLO)	9	S
RHIZOSOLENIA STOLTERFORTHII (PERAGALLO)	3	I
RHIZOSOLENIA STOLTERFORTHII (PERAGALLO)	3	B
SYNEDRA SP	50	S
SYNEDRA SP	19	I
SYNEDRA SP	13	B
THALASSIOTHRIX FRAUENFELDII (GRUNOW)	1	I
THALASSIOTHRIX NITZSCHIOIDES GRUNOW	1	S
THALASSIOTHRIX NITZSCHIOIDES GRUNOW	1	B
THALASSIOSIRA ROTULA (MENUNIER)	3	I
THALASSIOSIRA SP	2	S
TOTAL	662	

STATION PORT HACKING 100M DATE 11/ 8/65

SPECIES	NUMBER	
AMPHISOLENIA BIDENTATA KOFOID + SKOGSBERG	1	S
AMPHORA HENDEYI (FW)	2	S
AMPHORA HENDEYI (FW)	8	B
ASTEROMPHALUS HEPTACTIS (RALFS)	1	B
ASTERIONELLA JAPONICA (CLEVE + MOLLER)	71	S
ASTERIONELLA JAPONICA (CLEVE + MOLLER)	28	I
ASTERIONELLA JAPONICA (CLEVE + MOLLER)	21	B
BACTERIASTRUM DELICATULUM (CLEVE)	5	I
BACTERIASTRUM VARIANS (LAUDER)	1	I
BIDDULPHIA MOBILIENSIS (BAILEY)	7	I
BIDDULPHIA MOBILIENSIS (BAILEY)	5	B
BIDDULPHIA SP	1	S
CERATIUM FURCA (EHR) CLAP + LACH	3	S
CERATIUM FUSUS (EHR) DUJARDIN	12	S
CERATIUM FUSUS (EHR) DUJARDIN	1	B
CERATULINA PELAGICA (CLEVE) HENDEY	19	I
CERATIUM PENTAGONUM (GOURRET)	14	S
CERATIUM PENTAGONUM (GOURRET)	1	I
CERATIUM TRIPOS (O F MULLER) NITZCH	4	S
CHAETOCEROS AFFINE (LAUDER)	41	I
CHAETOCEROS AFFINE (LAUDER)	8	B
CHAETOCEROS DECIPIENS (CLEVE)	11	S
CHAETOCEROS SECUNDUM (CLEVE)	3	I
CORETHRON CRIOPHILUM (CASTRACANE)	7	I
COSCINODISCUS CONCINNIS (W SMITH)	5	B
COSCINODISCUS SP	5	S
COSCINODISCUS SP	5	B
DINOPHYSIS ACUMINATE (CLAPP + LACH)	1	I
DINOPHYSIS CAUDATA (SAVILLE KENT)	1	S
DINOPHYSIS ROTUNDATA (KARSTEN)	84	S
DINOPHYSIS ROTUNDATA (KARSTEN)	1	I
DINOPHYSIS TRIPOS (GOURETT)	1	S
DINOPHYSIS TRIPOS (GOURETT)	3	B
DITYLUM BRIGHTWELLII (WEST) GRUNOW	13	S
DITYLUM BRIGHTWELLII (WEST) GRUNOW	24	I
DITYLUM BRIGHTWELLII (WEST) GRUNOW	8	B
FRAGILARIA OCEANICA (CLEVE)	9	S
FRAGILARIA OCEANICA (CLEVE)	1	I
FRAGILARIA OCEANICA (CLEVE)	1	B
GONIAULAX SP	2	S
GUINARDIA FLACCIDA (CASTRACANE) PERAGALLO	11	I
GUINARDIA SP	1	S
HEMIALUS HAUCKII (GRUNOW)	11	S
HEMIALUS HAUCKII (GRUNOW)	7	I
HYALODISCUS STELLIGER (BAILEY)	5	S
LAUDERIA ANNULATA (CLEVE)	71	I
LAUDERIA ANNULATA (CLEVE)	18	B
LAUDERIA BOREALIS (GRUNOW)	8	S
LEPTOCYLINDRUS DANICUS (CLEVE)	42	S
LEPTOCYLINDRUS DANICUS (CLEVE)	8	I
LEPTOCYLINDRUS DANICUS (CLEVE)	2	B

STATION PORT HACKING 100M DATE 11/ 8/65

SPECIES	NUMBER	
LEPTOCYLINDRUS MINIMUS (GRUNOW)	9	I
MELOSIRA SP	2	S
MELOSIRA SP	6	I
NAVICULA CUSP1DATA KUTZING	8	B
NAVICULA MEMBRANACEA CLEVE	2	B
NAVICULA SP	25	S
NAVICULA SP	29	I
NITZSCHIA CLOSTERIUM (EHR) W SMITH	3	I
NITZSCHIA LONGISSIMA (BREB) ROLFS	6	S
NITZSCHIA LONGISSIMA (BREB) ROLFS	16	I
NITZSCHIA LONGISSIMA (BREB) ROLFS	6	B
NITZSCHIA SERIATA (CLEVE)	32	S
NITZSCHIA SERIATA (CLEVE)	87	I
NITZSCHIA SERIATA (CLEVE)	4	B
OXYTOXUM SP	2	S
OXYTOXUM SP	1	B
OXYTOXUM TURBO (KOFOID)	1	B
PERIDINIUM BREVE (PAULSON)	7	S
PERIDINIUM CRASSIPES (KOFOID)	5	S
PERIDINIUM CRASSIPES (KOFOID)	1	I
PERIDINIUM CRASSIPES (KOFOID)	2	B
PERIDINIUM DIVERGENS (EHR)	8	S
PERIDINIUM GLOBULUS (STEIN)	2	S
PERIDINIUM MONACANTHUM (BROCK)	2	S
PERIDINIUM PYRIFORME (PAULSEN)	5	S
PLANKTONIELLA SOL (WALLICA) SCHUTT	1	S
PLANKTONIELLA SOL (WALLICA) SCHUTT	1	I
PLANKTONIELLA SOL (WALLICA) SCHUTT	1	B
PLEUROSIGMA SP	11	S
PLEUROSIGMA SP	17	I
PLEUROSIGMA SP	4	B
PODOLAMPAS PALMIPES STEIN	1	S
PODOLAMPAS PALMIPES STEIN	1	I
PROROCENTRUM ROSTRATUM STEIN	18	S
PROROCENTRUM ROSTRATUM STEIN	1	I
PROROCENTRUM SCHILLERI (POHM)	12	S
PYROPHACUS HOROLOGICUM (STEIN)	1	S
RHIZOSOLENIA ALATA (BRIGHTWELL)	20	S
RHIZOSOLENIA ALATA (BRIGHTWELL)	28	I
RHIZOSOLENIA ALATA (BRIGHTWELL)	5	B
RHIZOSOLENIA DELICATULA (CLEVE)	1	I
RHIZOSOLENIA FRAGILLISSIMA (BERGON)	8	B
RHIZOSOLENIA IMBRICATA (BRIGHTWELL)	9	S
RHIZOSOLENIA IMBRICATA (BRIGHTWELL)	11	I
RHIZOSOLENIA IMBRICATA (BRIGHTWELL)	4	B
RHIZOSOLENIA SETIGERA BRIGHTWELL	10	I
RHIZOSOLENIA SP	1	S
RHIZOSOLENIA STOLTERFORTHII (PERAGALLO)	222	S
RHIZOSOLENIA STOLTERFORTHII (PERAGALLO)	129	I
RHIZOSOLENIA STOLTERFORTHII (PERAGALLO)	4	B
RHIZOSOLENIA STYLIFORMIS BRIGHTWELL	1	S

STATION PORT HACKING 100M DATE 11/ 8/65

SPECIES	NUMBER	
SCHROEDERELLA DELICATULA (PERAGALLO) PAVILLA	12	I
SCHROEDERELLA SP	2	S
SCHROEDERELLA SP	3	I
SKELETONEMA COSTATUM (GREVILLE) CLEVE	31	I
SKELETONEMA COSTATUM (GREVILLE) CLEVE	4	B
STAURONEIS SP	20	I
STEPHANOPHYXIS PALMERIANA (GREVILLE) GRUNOW	1	B
STEPHANOPHYXIS SP	1	S
STREPTOTHECA THAMESIS (SHRUBSOLE)	26	S
STREPTOTHECA THAMESIS (SHRUBSOLE)	14	I
THALASSIOSIRA CONDENSATA (CLEVE)	3	S
THALASSIOTHRIX ELONGATA (GRUNOW)	6	I
THALASSIOTHRIX FRAUENFELDII (GRUNOW)	9	S
THALASSIOTHRIX FRAUENFELDII (GRUNOW)	11	I
THALASSIOTHRIX NITZSCHIOIDES GRUNOW	11	S
THALASSIOTHRIX NITZSCHIOIDES GRUNOW	43	I
THALASSIOTHRIX NITZSCHIOIDES GRUNOW	23	B
THALASSIOSIRA ROTULA (MENUNIER)	3	S
THALASSIOSIRA ROTULA (MENUNIER)	27	I
THALASSIOSIRA ROTULA (MENUNIER)	2	B
TOTAL	1668	

STATION PORT HACKING 100M DATE 16/ 8/65

SPECIES	NUMBER	
AMPHORA HENDEYI (FW)	20	S
AMPHIPRORA SP	10	B
ASTERIONELLA JAPONICA (CLEVE + MOLLER)	1100	S
ASTERIONELLA JAPONICA (CLEVE + MOLLER)	830	I
ASTEROMPHALUS SP	40	S
BACTERIASTRUM HYALINUM (LAUDER)	30	S
BACTERIASTRUM HYALINUM (LAUDER)	80	I
BACTERIASTRUM VARIANS (LAUDER)	50	S
BIDDULPHIA AURITA (LYNGBYE) BREB	30	S
BIDDULPHIA MOBILIENSIS (BAILEY)	400	S
BIDDULPHIA REGIA (SCHULTZE) OSTENFELD	140	I
CERATULINA BERGONII (H PERAG)	40	S
CERATULINA BERGONII (H PERAG)	20	I
CERATIUM FURCA (EHR) CLAP + LACH	10	S
CERATIUM FUSUS (EHR) DUJARDIN	80	S
CERATIUM PENTAGONUM (GOURRET)	10	S
CERATIUM TRIPOS (O F MULLER) NITZCH	20	S
CHAETOCEROS AFFINE (LAUDER)	510	S
CHAETOCEROS AFFINE (LAUDER)	40	I
CHAETOCEROS DIDYMUM (EHR)	40	I
CHAETOCEROS LORENZIANUM (GRUNOW)	110	S
CHAETOCEROS SECUNDUM (CLEVE)	110	S
CHAETOCEROS TERES (CLEVE)	550	I
CHAETOCEROS TERES (CLEVE)	20	B
CORETHRON CRIOPHILUM (CASTRACANE)	30	S
CORETHRON CRIOPHILUM (CASTRACANE)	40	I
COSCINODISCUS CONCINNIS (W SMITH)	160	S
COSCINODISCUS CONCINNIS (W SMITH)	80	I
COSCINODISCUS SP	980	S
COSCINODISCUS SP	310	I
DINOPHYSIS CAUDATA (SAVILLE KENT)	20	S
DINOPHYSIS CAUDATA (SAVILLE KENT)	20	B
DINOPHYSIS SCHROEDERI (PAV)	50	S
DITYLUM BRIGHTWELLII (WEST) GRUNOW	340	S
DITYLUM BRIGHTWELLII (WEST) GRUNOW	130	I
DITYLUM BRIGHTWELLII (WEST) GRUNOW	30	B
EUCAMPIA SP	10	S
FRAGILARIA STRIATULA (LYNGBYE)	10	S
GUINARDIA FLACCIDA (CASTRACANE) PERAGALLO	50	I
HEMIALUS HAUCKII (GRUNOW)	10	I
LEPTOCYLINDRUS DANICUS (CLEVE)	540	S
LEPTOCYLINDRUS DANICUS (CLEVE)	100	I
MELOSIRA CRENULATE (EHR) KUTZING	340	I
MELOSIRA MONILIFORMIS (MULLER) AGARDH	640	I
MELOSIRA SP	1570	S
NAVICULA SP	1550	S
NAVICULA SP	550	I
NAVICULA SP	40	B
NITZSCHIA CLOSTERIUM (EHR) W SMITH	70	I
NITZSCHIA LONGISSIMA (BREB) ROLFS	120	S
NITZSCHIA LONGISSIMA (BREB) ROLFS	490	I

STATION PORT HACKING 100M DATE 16/ 8/65

SPECIES	NUMBER	
NITZSCHIA SERIATA (CLEVE)	2230	S
NITZSCHIA SERIATA (CLEVE)	670	I
NITZSCHIA SERIATA (CLEVE)	30	B
PERIDINIUM GLOBULUS (STEIN)	10	S
PERIDINIUM GLOBULUS (STEIN)	10	I
PERIDINIUM OCEANICUM (VAN HOFFEN)	40	S
PERIDINIUM TUBA (SCHILLER)	170	S
PLANKTONIELLA SOL (WALLICA) SCHUTT	10	I
PLEUROSIGMA SP	130	S
PLEUROSIGMA SP	220	I
PLEUROSIGMA SP	30	B
PROROCENTRUM ROSTRATUM STEIN	20	S
PYROCYSTIS ROBUSTA (KOFOID)	10	S
RHIZOSOLENIA ALATA (BRIGHTWELL)	210	S
RHIZOSOLENIA ALATA (BRIGHTWELL)	100	I
RHIZOSOLENIA ALATA (BRIGHTWELL)	60	B
RHIZOSOLENIA DELICATULA (CLEVE)	500	S
RHIZOSOLENIA DELICATULA (CLEVE)	110	I
RHIZOSOLENIA IMBRICATA (BRIGHTWELL)	10	S
RHIZOSOLENIA IMBRICATA (BRIGHTWELL)	50	I
RHIZOSOLENIA IMBRICATA (BRIGHTWELL)	10	B
RHIZOSOLENIA SETIGERA BRIGHTWELL	20	S
RHIZOSOLENIA STOLTERFORTHII (PERAGALLO)	700	S
RHIZOSOLENIA STOLTERFORTHII (PERAGALLO)	130	I
RHIZOSOLENIA STOLTERFORTHII (PERAGALLO)	40	B
SKELETONEMA COSTATUM (GREVILLE) CLEVE	130	S
SKELETONEMA COSTATUM (GREVILLE) CLEVE	450	I
SKELETONEMA COSTATUM (GREVILLE) CLEVE	50	B
STEPHANOPHYXIS PALMERIANA (GREVILLE) GRUNOW	190	S
STREPTOTHECA THAMESIS (SHRUBSOLE)	2500	S
STREPTOTHECA THAMESIS (SHRUBSOLE)	300	I
STREPTOTHECA THAMESIS (SHRUBSOLE)	20	B
STRIATELLA SP	70	S
SYNEDRA SP	10	B
THALASSIOTHRIX ELONGATA (GRUNOW)	20	B
THALASSIOTHRIX FRAUENFELDII (GRUNOW)	30	S
THALASSIOTHRIX FRAUENFELDII (GRUNOW)	200	I
THALASSIOTHRIX LONGISSIMA (CLEVE + GRUNOW)	230	I
THALASSIOTHRIX NITZSCHIOIDES GRUNOW	30	S
THALASSIOTHRIX NITZSCHIOIDES GRUNOW	40	I
THALASSIOSIRA ROTULA (MENUNIER)	220	S
THALASSIOSIRA ROTULA (MENUNIER)	1370	I
TOTAL	23950	

STATION PORT HACKING 100M DATE 24/ 8/65

SPECIES	NUMBER	
AMPHORA HENDEYI (FW)	20	B
BACTERIASTRUM HYALINUM (LAUDER)	20	I
BIDDULPHIA MOBILIENSIS (BAILEY)	40	B
CERATULINA BERGONII (H PERAG)	10	I
CERATULINA BERGONII (H PERAG)	50	B
CERATULINA CHAPMANII (CROSBY + WOOD)	40	S
CERATIUM CONCILIANS (JORGE)	10	B
CERATIUM FURCA (EHR) CLAP + LACH	10	S
CERATIUM FUSUS (EHR) DUJARDIN	40	S
CERATIUM FUSUS (EHR) DUJARDIN	10	B
CERATIUM LONGISSIMUM (SCHROEDER + KOFOID)	10	S
CERATIUM PENTAGONUM (GOURRET)	10	B
CORETHRON CRIOPHILUM (CASTRACANE)	10	I
COSCINODISCUS SP	30	S
COSCINODISCUS SP	30	I
COSCINODISCUS SP	20	B
DINOPHYSIS FORTII (PAV)	40	S
DINOPHYSIS TRUNCATA (CLEVE)	20	I
DITYLUM BRIGHTWELLII (WEST) GRUNOW	30	B
GONIAULAX SP	10	S
HISTIONEIS TUBIFERA (BOHM) IN SCHRILLER	10	S
LEPTOCYLINDRUS DANICUS (CLEVE)	110	S
LEPTOCYLINDRUS DANICUS (CLEVE)	30	I
LEPTOCYLINDRUS DANICUS (CLEVE)	20	B
MELOSIRA DISTANS (EHR + KUTZING)	10	I
MELOSIRA MONILIFORMIS (MULLER) AGARDH	10	B
MELOSIRA SP	50	B
NAVICULA SP	80	S
NAVICULA SP	150	I
NAVICULA SP	100	B
NITZSCHIA BRIGHTWELLII (KITTON)	150	S
NITZSCHIA BRIGHTWELLII (KITTON)	50	I
NITZSCHIA BRIGHTWELLII (KITTON)	70	B
NITZSCHIA LONGISSIMA (BREB) ROLFS	400	S
NITZSCHIA LONGISSIMA (BREB) ROLFS	40	I
NITZSCHIA LONGISSIMA (BREB) ROLFS	50	B
NITZSCHIA SERIATA (CLEVE)	70	S
NITZSCHIA SERIATA (CLEVE)	10	I
NITZSCHIA SERIATA (CLEVE)	30	B
OXYTOXUM SCOLOPAX (STEIN)	20	S
PERIDINIUM BREVE (PAULSON)	50	S
PERIDINIUM ELEGANS (CLEVE)	30	S
PERIDINIUM STEINI (JORGENSEN)	10	B
PHALACROMA ROTUNDATUM (CLAPP + LACH) KOFF +	10	I
PLANKTONIELLA SOL (WALLICA) SCHUTT	10	S
PLEUROSIGMA SP	10	I
PLEUROSIGMA SP	20	B
PROROCENTRUM ROSTRATUM STEIN	50	S
PROROCENTRUM ROSTRATUM STEIN	60	B
PTYCHODISCUS NOCTILUCA (STEIN)	20	S
RHIZOSOLENIA ALATA (BRIGHTWELL)	120	S

STATION PORT HACKING 100M DATE 24/ 8/65

SPECIES	NUMBER	
RHIZOSOLENIA ALATA (BRIGHTWELL)	80	I
RHIZOSOLENIA ALATA (BRIGHTWELL)	40	B
RHIZOSOLENIA STOLTERFORTHII (PERAGALLO)	20	S
RHIZOSOLENIA STOLTERFORTHII (PERAGALLO)	10	I
SKELETONEMA COSTATUM (GREVILLE) CLEVE	10	B
STEPHANOPHYXIS PALMERIANA (GREVILLE) GRUNOW	10	S
STRIATELLA UNIPUNCTATA (LYNGBYE)	10	B
SYNEDRA SP	10	S
SYNEDRA SP	10	B
THALASSIOTHRIX FRAUENFELDII (GRUNOW)	10	S
THALASSIOTHRIX FRAUENFELDII (GRUNOW)	10	B
TOTAL	2530	

STATION PORT HACKING 100M DATE 30/ 8/65

SPECIES	NUMBER	
ASTERIONELLA JAPONICA (CLEVE + MOLLER)	9100	S
ASTERIONELLA JAPONICA (CLEVE + MOLLER)	700	I
ASTERIONELLA JAPONICA (CLEVE + MOLLER)	3900	B
BACTERIASTRUM HYALINUM (LAUDER)	100	I
BIDDULPHIA MOBILIENSIS (BAILEY)	400	I
CERATULINA BERGONII (H PERAG)	700	S
CERATULINA BERGONII (H PERAG)	300	I
CERATULINA BERGONII (H PERAG)	200	B
CERATIUM FUSUS (EHR) DUJARDIN	100	S
CERATIUM FUSUS (EHR) DUJARDIN	100	B
CHAETOCEROS DANICUM (CLEVE)	100	S
CHAETOCEROS SECUNDUM (CLEVE)	700	I
CHAETOCEROS SECUNDUM (CLEVE)	200	B
CHAETOCEROS TERES (CLEVE)	100	I
COSCINODISCUS RADIATUS (EHR)	400	S
COSCINODISCUS SP	100	B
DITYLUM BRIGHTWELLII (WEST) GRUNOW	100	S
DITYLUM BRIGHTWELLII (WEST) GRUNOW	100	I
GONIAULAX KOFOIDI (PAVILLARD)	100	S
GUINARDIA FLACCIDA (CASTRACANE) PERAGALLO	300	S
GUINARDIA FLACCIDA (CASTRACANE) PERAGALLO	1000	I
GUINARDIA FLACCIDA (CASTRACANE) PERAGALLO	100	B
HEMIALUS HAUCKII (GRUNOW)	100	S
LEPTOCYLINDRUS DANICUS (CLEVE)	19000	S
LEPTOCYLINDRUS DANICUS (CLEVE)	1000	I
LEPTOCYLINDRUS DANICUS (CLEVE)	500	B
MELOSIRA MONILIFORMIS (MULLER) AGARDH	60600	I
MELOSIRA MONILIFORMIS (MULLER) AGARDH	13300	B
MELOSIRA SP	82700	S
NAVICULA SP	3900	S
NAVICULA SP	1500	I
NAVICULA SP	100	B
NITZSCHIA BRIGHTWELLII (KITTON)	100	I
NITZSCHIA LONGISSIMA (BREB) ROLFS	700	S
NITZSCHIA LONGISSIMA (BREB) ROLFS	100	I
NITZSCHIA SERIATA (CLEVE)	400	S
NITZSCHIA SERIATA (CLEVE)	500	I
NITZSCHIA SERIATA (CLEVE)	100	B
OXYTOXUM SCOLOPAX (STEIN)	100	S
PERIDINIUM GLOBULUS (STEIN)	200	S
PERIDINIUM GLOBULUS (STEIN)	100	B
PERIDINIUM SP	100	S
PLANKTONIELLA SOL (WALLICA) SCHUTT	100	S
PLEUROSIGMA SP	400	S
PLEUROSIGMA SP	200	I
RHIZOSOLENIA ALATA (BRIGHTWELL)	1400	S
RHIZOSOLENIA ALATA (BRIGHTWELL)	100	I
RHIZOSOLENIA STOLTERFORTHII (PERAGALLO)	2100	S
RHIZOSOLENIA STOLTERFORTHII (PERAGALLO)	400	I
SKELETONEMA COSTATUM (GREVILLE) CLEVE	100	B
STEPHANOPHYXIS PALMERIANA (GREVILLE) GRUNOW	100	S

STATION PORT HACKING 100M DATE 30/ 8/65

SPECIES	NUMBER	
STREPTOTHECA THAMESIS (SHRUBSOLE)	600	S
STREPTOTHECA THAMESIS (SHRUBSOLE)	500	I
STREPTOTHECA THAMESIS (SHRUBSOLE)	900	B
THALASSIOTHRIX FRAUENFELDII (GRUNOW)	200	S
THALASSIOTHRIX FRAUENFELDII (GRUNOW)	200	B
THALASSIOSIRA ROTULA (MENUNIER)	600	S
THALASSIOSIRA ROTULA (MENUNIER)	100	I
THALASSIOSIRA SUBTILIS (OSTENFELD) GRAN	1200	S
TOTAL	213200	

STATION PORT HACKING 100M DATE 6/ 9/65

SPECIES	NUMBER	
BIDDULPHIA MOBILIENSIS (BAILEY)	100	B
CERATULINA BERGONII (H PERAG)	300	I
CERATULINA BERGONII (H PERAG)	300	B
CERATIUM CANDELABRUM (EHR) STEIN	100	S
CERATIUM FUSUS (EHR) DUJARDIN	100	S
CERATIUM FUSUS (EHR) DUJARDIN	100	I
CHAETOCEROS SECUNDUM (CLEVE)	100	I
CHAETOCEROS TERES (CLEVE)	100	I
DINOPHYSIS CAUDATA (SAVILLE KENT)	100	I
DINOPHYSIS OVUM (SCHUTT)	200	S
DITYLUM BRIGHTWELLII (WEST) GRUNOW	100	I
GUINARDIA FLACCIDA (CASTRACANE) PERAGALLO	100	I
LEPTOCYLINDRUS DANICUS (CLEVE)	200	I
MELOSIRA CRENULATE (EHR) KUTZING	600	B
MELOSIRA MONILIFORMIS (MULLER) AGARDH	1000	I
MELOSIRA MONILIFORMIS (MULLER) AGARDH	3200	B
NAVICULA SP	500	S
NAVICULA SP	600	I
NITZSCHIA LONGISSIMA (BREB) ROLFS	100	B
PERIDINIUM ELEGANS (CLEVE)	100	I
PERIDINIUM GLOBULUS (STEIN)	100	S
PERIDINIUM GLOBULUS (STEIN)	100	I
PODOLAMPAS SPINIFER (OKAMURAI)	100	I
PROROCENTRUM ROSTRATUM STEIN	100	S
RHIZOSOLENIA STOLTERFORTHII (PERAGALLO)	100	I
THALASSIOTHRIX NITZSCHIOIDES GRUNOW	100	I
TOTAL	8600	

STATION PORT HACKING 100M DATE 15/ 9/65

SPECIES	NUMBER	
ASTERIONELLA JAPONICA (CLEVE + MOLLER)	800	I
ASTERIONELLA JAPONICA (CLEVE + MOLLER)	200	B
BIDDULPHIA CHINENSIS (GREVILLE)	100	S
BIDDULPHIA MOBILIENSIS (BAILEY)	100	I
CERATULINA BERGONII (H PERAG)	300	S
CERATULINA BERGONII (H PERAG)	300	B
CERATIUM FUSUS (EHR) DUJARDIN	300	S
CHAETOCEROS LORENZIANUM (GRUNOW)	100	I
CHAETOCEROS SECUNDUM (CLEVE)	200	S
CHAETOCEROS SECUNDUM (CLEVE)	100	I
CHAETOCEROS TERES (CLEVE)	800	S
CHAETOCEROS TERES (CLEVE)	200	I
DINOPHYSIS CAUDATA (SAVILLE KENT)	700	S
DINOPHYSIS SPHAERICA (STEIN)	100	S
DITYLUM BRIGHTWELLII (WEST) GRUNOW	100	B
EUCAMPIA ZOODIACUS (EHR)	100	S
EUCAMPIA ZOODIACUS (EHR)	100	I
GUINARDIA FLACCIDA (CASTRACANE) PERAGALLO	600	S
GUINARDIA FLACCIDA (CASTRACANE) PERAGALLO	100	I
HISTIONEIS HYALINA (KOFOID + MICHENER)	100	S
LEPTOCYLINDRUS DANICUS (CLEVE)	0	S
LEPTOCYLINDRUS DANICUS (CLEVE)	5400	I
LICMOPHORA ABBREVIATA AGARDH	100	B
MELOSIRA MONILIFORMIS (MULLER) AGARDH	100	B
NAVICULA SP	1000	S
NAVICULA SP	900	I
NAVICULA SP	200	B
NITZSCHIA BRIGHTWELLII (KITTON)	2000	S
NITZSCHIA BRIGHTWELLII (KITTON)	900	I
NITZSCHIA LONGISSIMA (BREB) ROLFS	1300	S
NITZSCHIA LONGISSIMA (BREB) ROLFS	300	I
NITZSCHIA LONGISSIMA (BREB) ROLFS	300	B
NITZSCHIA SERIATA (CLEVE)	300	S
OXYTOXUM GLADIOLUS	800	S
OXYTOXUM GLADIOLUS	100	I
PERIDINIUM EXCENTRICUM (PAULSEN)	100	I
PERIDINIUM PYRIFORME (PAULSEN)	100	S
PLEUROSIGMA SP	100	I
PLEUROSIGMA SP	200	B
PODOLAMPAS PALMIPES STEIN	100	I
RHIZOSOLENIA ALATA (BRIGHTWELL)	900	S
RHIZOSOLENIA ALATA (BRIGHTWELL)	500	I
RHIZOSOLENIA STOLTERFORTHII (PERAGALLO)	100	S
SKELETONEMA COSTATUM (GREVILLE) CLEVE	200	S
SKELETONEMA COSTATUM (GREVILLE) CLEVE	100	B
STEPHANOPHYXIS PALMERIANA (GREVILLE) GRUNOW	100	S
STRIATELLA UNIPUNCTATA (LYNGBYE)	100	S
THALASSIOSIRA ROTULA (MENUNIER)	200	S
TOTAL	21900	

STATION PORT HACKING 100M DATE 21/ 9/65

SPECIES	NUMBER	
ASTERIONELLA JAPONICA (CLEVE + MOLLER)	200	S
BIDDULPHIA MOBILIENSIS (BAILEY)	10	B
CERATULINA BERGONII (H PERAG)	100	I
CERATIUM FUSUS (EHR) DUJARDIN	200	S
CERATIUM TRIPOS (O F MULLER) NITZCH	10	I
CHAETOCEROS LORENZIANUM (GRUNOW)	10	I
CHAETOCEROS SECUNDUM (CLEVE)	400	S
CHAETOCEROS TERES (CLEVE)	2400	S
CHAETOCEROS TERES (CLEVE)	60	I
CORETHRON CRIOPHILUM (CASTRACANE)	10	I
DINOPHYSIS TRUNCATA (CLEVE)	10	I
GUINARDIA FLACCIDA (CASTRACANE) PERAGALLO	150	I
LEPTOCYLINDRUS DANICUS (CLEVE)	26600	S
LEPTOCYLINDRUS DANICUS (CLEVE)	1400	I
LEPTOCYLINDRUS DANICUS (CLEVE)	30	B
MELOSIRA MONILIFORMIS (MULLER) AGARDH	10	B
NAVICULA SP	5800	S
NAVICULA SP	820	I
NAVICULA SP	30	B
NITZSCHIA BRIGHTWELLII (KITTON)	1200	S
NITZSCHIA BRIGHTWELLII (KITTON)	210	I
NITZSCHIA CLOSTERIUM (EHR) W SMITH	10	B
NITZSCHIA LONGISSIMA (BREB) ROLFS	3000	S
NITZSCHIA LONGISSIMA (BREB) ROLFS	1780	I
NITZSCHIA LONGISSIMA (BREB) ROLFS	30	B
NITZSCHIA SERIATA (CLEVE)	5200	S
NITZSCHIA SERIATA (CLEVE)	580	I
OXYTOXUM GLADIOLUS	100	S
PERIDINIUM ELEGANS (CLEVE)	30	I
PERIDINIUM GLOBULUS (STEIN)	100	S
PERIDINIUM PYRIFORME (PAULSEN)	10	I
PHALACROMA OVUM (SCHUTT)	10	I
PLEUROSIGMA SP	50	I
PLEUROSIGMA SP	10	B
PODOLAMPAS PALMIPES STEIN	20	I
PROROCENTRUM SCHILLERI (POHM)	400	S
RHIZOSOLENIA ALATA (BRIGHTWELL)	1000	S
RHIZOSOLENIA ALATA (BRIGHTWELL)	190	I
RHIZOSOLENIA ALATA (BRIGHTWELL)	20	B
RHIZOSOLENIA STOLTERFORTHII (PERAGALLO)	10	I
SKELETONEMA COSTATUM (GREVILLE) CLEVE	200	S
SKELETONEMA COSTATUM (GREVILLE) CLEVE	100	I
STEPHANOPHYXIS PALMERIANA (GREVILLE) GRUNOW	200	S
STRIATELLA UNIPUNCTATA (LYNGBYE)	20	I
SYNEDRA SP	50	I
THALASSIOTHRIX FRAUENFELDII (GRUNOW)	100	S
THALASSIOTHRIX FRAUENFELDII (GRUNOW)	10	I
TOTAL	52890	

STATION PORT HACKING 100M DATE 1/10/65

SPECIES	NUMBER	
ASTERIONELLA JAPONICA (CLEVE + MOLLER)	20	S
BACTERIASTRUM HYALINUM (LAUDER)	10	S
CERATIUM FUSUS (EHR) DUJARDIN	70	S
CERATIUM TRIPOS (O F MULLER) NITZCH	10	S
CHAETOCEROS SECUNDUM (CLEVE)	100	I
CHAETOCEROS TERES (CLEVE)	850	S
CHAETOCEROS TERES (CLEVE)	700	I
CHAETOCEROS TERES (CLEVE)	20	B
COSCINODISCUS SP	30	S
GONIAULAX KOFOIDI (PAVILLARD)	20	S
GUINARDIA FLACCIDA (CASTRACANE) PERAGALLO	310	S
GUINARDIA FLACCIDA (CASTRACANE) PERAGALLO	10	B
LEPTOCYLINDRUS DANICUS (CLEVE)	850	S
LEPTOCYLINDRUS DANICUS (CLEVE)	200	I
LEPTOCYLINDRUS DANICUS (CLEVE)	30	B
MELOSIRA MONILIFORMIS (MULLER) AGARDH	330	S
NAVICULA SP	3440	S
NAVICULA SP	500	I
NAVICULA SP	20	B
NITZSCHIA CLOSTERIUM (EHR) W SMITH	22300	I
NITZSCHIA LONGISSIMA (BREB) ROLFS	1160	S
NITZSCHIA LONGISSIMA (BREB) ROLFS	200	I
NITZSCHIA LONGISSIMA (BREB) ROLFS	40	B
NITZSCHIA SERIATA (CLEVE)	260	S
OXYTOXUM CORONATUM (SCHILLER)	150	S
OXYTOXUM MILNERI (MUR + WHIT)	30	S
OXYTOXUM SCOLOPAX (STEIN)	50	S
PERIDINIUM GLOBULUS (STEIN)	160	S
PERIDINIUM PELLUCIDUM (BERG) SCHUTT	20	S
PLEUROSIGMA SP	160	S
PLEUROSIGMA SP	100	I
PODOLAMPAS SPINIFER (OKAMURA)	100	I
PROROCENTRUM MICANS EHR	20	S
RHIZOSOLENIA ALATA (BRIGHTWELL)	360	S
RHIZOSOLENIA ALATA (BRIGHTWELL)	100	I
RHIZOSOLENIA DELICATULA (CLEVE)	40	S
RHIZOSOLENIA IMBRICATA (BRIGHTWELL)	30	S
SKELETONEMA COSTATUM (GREVILLE) CLEVE	20	S
STEPHANOPHYXIS PALMERIANA (GREVILLE) GRUNOW	10	S
SYNEDRA SP	150	S
SYNEDRA SP	100	I
SYNEDRA SP	10	B
TOTAL	33090	

STATION PORT HACKING 100M DATE 6/10/65

SPECIES	NUMBER	
AMPHIDINIUM TURBO (KOFOID + SWEZY)	15	S
CERATULINA BERGONII (H PERAG)	95	S
CERATULINA BERGONII (H PERAG)	100	I
CERATIUM FUSUS (EHR) DUJARDIN	55	S
CERATIUM FUSUS (EHR) DUJARDIN	5	I
CHAETOCEROS ATLANTICUM (CLEVE)	50	S
CHAETOCEROS ATLANTICUM (CLEVE)	20	I
CHAETOCEROS DECIPIENS (CLEVE)	85	S
CHAETOCEROS DECIPIENS (CLEVE)	175	I
CHAETOCEROS LORENZIANUM (GRUNOW)	35	S
CHAETOCEROS LORENZIANUM (GRUNOW)	70	I
CHAETOCEROS PERUVIANUM (BRIGHTWELL)	10	I
CHAETOCEROS SECUNDUM (CLEVE)	40	S
CHAETOCEROS SECUNDUM (CLEVE)	60	I
CHAETOCEROS SECUNDUM (CLEVE)	10	B
CHAETOCEROS TERES (CLEVE)	595	S
CHAETOCEROS TERES (CLEVE)	100	I
CHAETOCEROS TERES (CLEVE)	30	B
CORETHRON CRIOPHILUM (CASTRACANE)	15	S
CORETHRON CRIOPHILUM (CASTRACANE)	20	I
COSCINODISCUS SP	5	S
DINOPHYSIS OVUM (SCHUTT)	5	S
EUCAMPIA ZOODIACUS (EHR)	10	I
GLENODINIUM SP	20	S
GUINARDIA FLACCIDA (CASTRACANE) PERAGALLO	170	S
GUINARDIA FLACCIDA (CASTRACANE) PERAGALLO	80	I
LEPTOCYLINDRUS DANICUS (CLEVE)	1275	S
LEPTOCYLINDRUS DANICUS (CLEVE)	75	I
LEPTOCYLINDRUS DANICUS (CLEVE)	30	B
LEPTOCYLINDRUS MINIMUS (GRUNOW)	400	I
MELOSIRA CRENULATE (EHR) KUTZING	55	S
MELOSIRA MONILIFORMIS (MULLER) AGARDH	195	S
MELOSIRA MONILIFORMIS (MULLER) AGARDH	65	I
MELOSIRA SP	70	I
NAVICULA SP	355	S
NAVICULA SP	165	I
NAVICULA SP	50	B
NITZSCHIA BRIGHTWELLII (KITTON)	10	I
NITZSCHIA BRIGHTWELLII (KITTON)	30	B
NITZSCHIA LONGISSIMA (BREB) ROLFS	730	S
NITZSCHIA LONGISSIMA (BREB) ROLFS	325	I
NITZSCHIA LONGISSIMA (BREB) ROLFS	10	B
NITZSCHIA SERIATA (CLEVE)	1410	S
NITZSCHIA SERIATA (CLEVE)	745	I
OXYTOXUM CAUDATUM (SCHILLER)	285	S
OXYTOXUM GLADIOLUS	10	B
OXYTOXUM MILNERI (MUR + WHIT)	60	S
OXYTOXUM MILNERI (MUR + WHIT)	10	I
OXYTOXUM SCOLOPAX (STEIN)	105	S
OXYTOXUM SCOLOPAX (STEIN)	5	I
OXYTOXUM SP	1085	S

STATION PORT HACKING 100M DATE 6/10/65

SPECIES	NUMBER	
OXYTOXUM SP	185	I
PERIDINIUM ELEGANS (CLEVE)	5	S
PERIDINIUM GLOBULUS (STEIN)	25	S
PERIDINIUM GLOBULUS (STEIN)	5	I
PERIDINIUM MONACANTHUM (BROCK)	5	I
PLEUROSIGMA SP	80	S
PLEUROSIGMA SP	10	I
PODOLAMPAS PALMIPES STEIN	5	S
PODOLAMPAS PALMIPES STEIN	5	I
PODOLAMPAS SPINIFER (OKAMURA)	10	I
PRONOCTILUCA SPINIFERA (LOHMANN) SCHILLER	40	S
RHIZOSOLENIA ALATA (BRIGHTWELL)	535	S
RHIZOSOLENIA ALATA (BRIGHTWELL)	345	I
RHIZOSOLENIA ALATA (BRIGHTWELL)	20	B
RHIZOSOLENIA DELICATULA (CLEVE)	15	S
RHIZOSOLENIA IMBRICATA (BRIGHTWELL)	5	S
RHIZOSOLENIA STOLTERFORTHII (PERAGALLO)	60	S
SKELETONEMA COSTATUM (GREVILLE) CLEVE	20	S
SKELETONEMA COSTATUM (GREVILLE) CLEVE	10	I
SYNEDRA SP	35	S
SYNEDRA SP	10	I
SYNEDRA SP	30	B
THALASSIOTHRIX ELONGATA (GRUNOW)	775	S
THALASSIOTHRIX ELONGATA (GRUNOW)	745	I
THALASSIOTHRIX NITZSCHIOIDES GRUNOW	5	S
THALASSIOTHRIX NITZSCHIOIDES GRUNOW	5	I
THALASSIOSIRA SUBTILIS (OSTENFELD) GRAN	125	S
TOTAL	12545	

STATION PORT HACKING 100M DATE 11/10/65

SPECIES	NUMBER	
ASTERIONELLA JAPONICA (CLEVE + MOLLER)	1200	B
BIDDULPHIA MOBILIENSIS (BAILEY)	10	I
CERATULINA BERGONII (H PERAG)	5	S
CERATULINA BERGONII (H PERAG)	20	B
CERATIUM FURCA (EHR) CLAP + LACH	40	S
CERATIUM FUSUS (EHR) DUJARDIN	55	S
CERATIUM FUSUS (EHR) DUJARDIN	65	I
CERATIUM PENTAGONUM (GOURRET)	5	I
CERATIUM TRIPOS (O F MULLER) NITZCH	5	S
CHAETOCEROS ATLANTICUM (CLEVE)	20	B
CHAETOCEROS DECIPIENS (CLEVE)	5	S
CHAETOCEROS LORENZIANUM (GRUNOW)	50	B
CHAETOCEROS SECUNDUM (CLEVE)	20	S
CHAETOCEROS SECUNDUM (CLEVE)	65	I
CHAETOCEROS SECUNDUM (CLEVE)	640	B
CHAETOCEROS SOCIALE LAUDER	130	B
CHAETOCEROS TERES (CLEVE)	5	S
CHAETOCEROS TERES (CLEVE)	15	I
CHAETOCEROS TERES (CLEVE)	270	B
CORETHRON CRIOPHILUM (CASTRACANE)	10	B
COSCINODISCUS SP	15	S
DINOPHYSIS OVUM (SCHUTT)	10	S
DIPLOPSALIS SP	5	S
DITYLUM BRIGHTWELLII (WEST) GRUNOW	30	B
DITYLUM SOL (GRUNOW) DE TONI	15	I
FRAGILARIA OCEANICA (CLEVE)	20	S
FRAGILARIA OCEANICA (CLEVE)	40	B
GONIAULAX SP	25	S
GUINARDIA FLACCIDA (CASTRACANE) PERAGALLO	1285	S
GUINARDIA FLACCIDA (CASTRACANE) PERAGALLO	1085	I
GUINARDIA FLACCIDA (CASTRACANE) PERAGALLO	1020	B
HEMIALUS HAUCKII (GRUNOW)	10	S
HEMIALUS HAUCKII (GRUNOW)	50	B
HEMIAULUS MEMBRANACEUS (CLEVE)	130	B
LEPTOCYLINDRUS DANICUS (CLEVE)	1560	S
LEPTOCYLINDRUS DANICUS (CLEVE)	775	I
LEPTOCYLINDRUS DANICUS (CLEVE)	850	B
LEPTOCYLINDRUS MINIMUS (GRUNOW)	70	S
LEPTOCYLINDRUS MINIMUS (GRUNOW)	140	B
MELOSIRA POLARIS (GRUNOW)	10	B
MELOSIRA SP	20	B
NAVICULA SP	225	S
NAVICULA SP	140	I
NAVICULA SP	970	B
NITZSCHIA LONGISSIMA (BREB) ROLFS	575	S
NITZSCHIA LONGISSIMA (BREB) ROLFS	880	I
NITZSCHIA LONGISSIMA (BREB) ROLFS	1040	B
NITZSCHIA SERIATA (CLEVE)	360	S
NITZSCHIA SERIATA (CLEVE)	105	I
NITZSCHIA SERIATA (CLEVE)	250	B
OXYTOXUM MILNERI (MUR + WHIT)	235	S

STATION PORT HACKING 100M DATE 11/10/65

SPECIES	NUMBER	
OXYTOXUM SCOLOPAX (STEIN)	10	S
OXYTOXUM SP	60	S
OXYTOXUM SP	50	B
PERIDINIUM BREVE (PAULSON)	100	S
PERIDINIUM BREVE (PAULSON)	25	I
PERIDINIUM ELEGANS (CLEVE)	20	S
PERIDINIUM ELEGANS (CLEVE)	10	I
PERIDINIUM GLOBULUS (STEIN)	45	S
PERIDINIUM GLOBULUS (STEIN)	30	B
PERIDINIUM MONACANTHUM (BROCK)	30	S
PERIDINIUM PEDUNCULATUM (SCHUTT)	15	I
PERIDINIUM PYRIFORME (PAULSEN)	20	S
PLEUROSIGMA SP	20	S
PLEUROSIGMA SP	5	I
PLEUROSIGMA SP	80	B
PRONOCTILUCA SPINIFERA (LOHMANN) SCHILLER	35	S
PROROCENTRUM ROSTRATUM STEIN	5	S
PROROCENTRUM SP	75	S
PTYCHODISCUS BARINATUS (KOFOID)	15	I
RHIZOSOLENIA ALATA (BRIGHTWELL)	1260	S
RHIZOSOLENIA ALATA (BRIGHTWELL)	510	I
RHIZOSOLENIA ALATA (BRIGHTWELL)	440	B
RHIZOSOLENIA IMBRICATA (BRIGHTWELL)	20	S
RHIZOSOLENIA IMBRICATA (BRIGHTWELL)	90	B
SKELETONEMA COSTATUM (GREVILLE) CLEVE	70	B
STEPHANOPHYXIS PALMERIANA (GREVILLE) GRUNOW	15	I
STEPHANOPHYXIS PALMERIANA (GREVILLE) GRUNOW	80	B
SYNEDRA SP	15	S
SYNEDRA SP	35	I
SYNEDRA SP	90	B
THALASSIOTHRIX ELONGATA (GRUNOW)	755	S
THALASSIOTHRIX ELONGATA (GRUNOW)	60	I
THALASSIOTHRIX ELONGATA (GRUNOW)	130	B
THALASSIOTHRIX FRAUENFELDII (GRUNOW)	5	S
THALASSIOTHRIX FRAUENFELDII (GRUNOW)	5	I
TOTAL	18810	

STATION PORT HACKING 100M DATE 21/10/65

SPECIES	NUMBER	
AMPHORA HENDEYI (FW)	10	S
ASTERIONELLA JAPONICA (CLEVE + MOLLER)	6800	S
ASTERIONELLA JAPONICA (CLEVE + MOLLER)	13400	I
ASTERIONELLA JAPONICA (CLEVE + MOLLER)	20200	B
BACTERIASTRUM HYALINUM (LAUDER)	100	I
BACTERIASTRUM HYALINUM (LAUDER)	400	B
BIDDULPHIA MOBILIENSIS (BAILEY)	200	B
CERATULINA BERGONII (H PERAG)	400	S
CERATULINA BERGONII (H PERAG)	2200	I
CERATULINA BERGONII (H PERAG)	200	B
CERATIUM FURCA (EHR) CLAP + LACH	50	S
CERATIUM KARSTENI (PAV)	100	S
CERATIUM MASSILIENSE (GOURRET) JORGE	10	S
CERATIUM MASSILIENSE (GOURRET) JORGE	100	I
CERATIUM PENTAGONUM (GOURRET)	200	S
CERATIUM PENTAGONUM (GOURRET)	100	B
CERATIUM TRIPOS (O F MULLER) NITZCH	30	S
CHAETOCEROS BREVE (SCHUDD)	300	I
CHAETOCEROS DANICUM (CLEVE)	300	S
CHAETOCEROS LORENZIANUM (GRUNOW)	600	I
CHAETOCEROS SECUNDUM (CLEVE)	600	S
CHAETOCEROS SECUNDUM (CLEVE)	1100	I
CHAETOCEROS SECUNDUM (CLEVE)	1800	B
CHAETOCEROS TERES (CLEVE)	2300	S
CHAETOCEROS TERES (CLEVE)	1200	I
CHAETOCEROS TERES (CLEVE)	600	B
CORETHRON CRIOPHILUM (CASTRACANE)	100	S
CORETHRON CRIOPHILUM (CASTRACANE)	100	I
CORETHRON CRIOPHILUM (CASTRACANE)	100	B
COSCINODISCUS SP	10	S
DITYLUM BRIGHTWELLII (WEST) GRUNOW	200	B
EUCAMPIA ZOODIACUS (EHR)	1800	I
EUCAMPIA ZOODIACUS (EHR)	2600	B
GLENODINIUM SP	400	S
GUINARDIA FLACCIDA (CASTRACANE) PERAGALLO	1100	S
GUINARDIA FLACCIDA (CASTRACANE) PERAGALLO	700	I
GUINARDIA FLACCIDA (CASTRACANE) PERAGALLO	2000	B
HEMIALUS HAUCKII (GRUNOW)	20	S
HEMIAULUS MEMBRANACEUS (CLEVE)	600	S
LEPTOCYLINDRUS DANICUS (CLEVE)	5990	S
LEPTOCYLINDRUS DANICUS (CLEVE)	5000	I
LEPTOCYLINDRUS DANICUS (CLEVE)	3400	B
MELOSIRA MONILIFORMIS (MULLER) AGARDH	300	I
MELOSIRA MONILIFORMIS (MULLER) AGARDH	1600	B
MELOSIRA SP	820	S
MELOSIRA SP	700	I
NAVICULA SP	1490	S
NAVICULA SP	1500	I
NAVICULA SP	1500	B
NITZSCHIA BRIGHTWELLII (KITTON)	900	S
NITZSCHIA BRIGHTWELLII (KITTON)	300	I

STATION PORT HACKING 100M DATE 21/10/65

SPECIES	NUMBER	
NITZSCHIA CLOSTERIUM (EHR) W SMITH	30	S
NITZSCHIA LONGISSIMA (BREB) ROLFS	6790	S
NITZSCHIA LONGISSIMA (BREB) ROLFS	2900	I
NITZSCHIA LONGISSIMA (BREB) ROLFS	1000	B
NITZSCHIA SERIATA (CLEVE)	1590	S
NITZSCHIA SERIATA (CLEVE)	1400	I
NITZSCHIA SERIATA (CLEVE)	1100	B
OXYTOXUM MILNERI (MUR + WHIT)	10	S
PERIDINIUM BREVE (PAULSON)	100	S
PERIDINIUM ELEGANS (CLEVE)	30	S
PERIDINIUM GLOBULUS (STEIN)	150	S
PERIDINIUM GLOBULUS (STEIN)	100	B
PERIDINIUM PYRIFORME (PAULSEN)	120	S
PLEUROSIGMA SP	100	S
PLEUROSIGMA SP	100	B
PODOLAMPAS SPINIFER (OKAMURA)	100	B
PROROCENTRUM ROSTRATUM STEIN	300	S
PROROCENTRUM SP	10	S
RHIZOSOLENIA ALATA (BRIGHTWELL)	2740	S
RHIZOSOLENIA ALATA (BRIGHTWELL)	2200	I
RHIZOSOLENIA ALATA (BRIGHTWELL)	2200	B
RHIZOSOLENIA IMBRICATA (BRIGHTWELL)	200	I
RHIZOSOLENIA IMBRICATA (BRIGHTWELL)	200	B
SKELETONEMA COSTATUM (GREVILLE) CLEVE	260	S
SKELETONEMA COSTATUM (GREVILLE) CLEVE	300	I
STEPHANOPHYXIS PALMERIANA (GREVILLE) GRUNOW	80	S
STEPHANOPHYXIS PALMERIANA (GREVILLE) GRUNOW	100	I
STEPHANOPHYXIS PALMERIANA (GREVILLE) GRUNOW	200	B
SYNEDRA SP	100	S
SYNEDRA SP	100	I
THALASSIOTHRIX NITZSCHIOIDES GRUNOW	100	I
THALASSIOSIRA ROTULA (MENUNIER)	300	I
THALASSIOSIRA ROTULA (MENUNIER)	200	B
TOTAL	111740	

STATION PORT HACKING 100M DATE 25/10/65

SPECIES	NUMBER	
ASTERIONELLA JAPONICA (CLEVE + MOLLER)	560	S
ASTERIONELLA JAPONICA (CLEVE + MOLLER)	2800	I
ASTERIONELLA JAPONICA (CLEVE + MOLLER)	560	B
BIDDULPHIA MOBILIENSIS (BAILEY)	10	S
BIDDULPHIA MOBILIENSIS (BAILEY)	200	I
BIDDULPHIA MOBILIENSIS (BAILEY)	40	B
CERATULINA BERGONII (H PERAG)	110	S
CERATULINA BERGONII (H PERAG)	1000	I
CERATULINA BERGONII (H PERAG)	30	B
CERATIUM BUCEROS (ZACHARIAS)	140	S
CERATIUM BUCEROS (ZACHARIAS)	100	I
CERATIUM FURCA (EHR) CLAP + LACH	150	S
CERATIUM FUSUS (EHR) DUJARDIN	240	S
CERATIUM FUSUS (EHR) DUJARDIN	200	I
CERATIUM PLATYCORNE (V DADAY)	20	S
CERATIUM TRIPOS (O F MULLER) NITZCH	30	S
CHAETOCEROS SECUNDUM (CLEVE)	130	S
CHAETOCEROS SECUNDUM (CLEVE)	1400	I
CHAETOCEROS SECUNDUM (CLEVE)	100	B
CHAETOCEROS SIMPLEX (OSTENFELD)	10	B
CHAETOCEROS TERES (CLEVE)	10	S
CHAETOCEROS TERES (CLEVE)	1700	I
CHAETOCEROS TERES (CLEVE)	50	B
COSCINODISCUS SP	30	S
DINOPHYSIS CAUDATA (SAVILLE KENT)	10	S
DINOPHYSIS CAUDATA (SAVILLE KENT)	10	B
DINOPHYSIS SCHROEDERI (PAV)	10	S
DINOPHYSIS SPHAERICA (STEIN)	10	S
DITYLUM BRIGHTWELLII (WEST) GRUNOW	20	S
DITYLUM BRIGHTWELLII (WEST) GRUNOW	15	B
GUINARDIA FLACCIDA (CASTRACANE) PERAGALLO	40	S
GUINARDIA FLACCIDA (CASTRACANE) PERAGALLO	1000	I
GUINARDIA FLACCIDA (CASTRACANE) PERAGALLO	260	B
HEMIALUS HAUCKII (GRUNOW)	10	S
HEMIALUS HAUCKII (GRUNOW)	100	I
LEPTOCYLINDRUS DANICUS (CLEVE)	160	S
LEPTOCYLINDRUS DANICUS (CLEVE)	4300	I
LEPTOCYLINDRUS DANICUS (CLEVE)	110	B
MELOSIRA SP	200	I
MELOSIRA SP	60	B
NAVICULA SP	310	S
NAVICULA SP	4000	I
NAVICULA SP	230	B
NITZSCHIA BRIGHTWELLII (KITTON)	50	S
NITZSCHIA BRIGHTWELLII (KITTON)	500	I
NITZSCHIA BRIGHTWELLII (KITTON)	90	B
NITZSCHIA LONGISSIMA (BREB) ROLFS	290	S
NITZSCHIA LONGISSIMA (BREB) ROLFS	1300	I
NITZSCHIA SERIATA (CLEVE)	270	S
NITZSCHIA SERIATA (CLEVE)	900	I
NITZSCHIA SERIATA (CLEVE)	60	B

STATION PORT HACKING 100M DATE 25/10/65

SPECIES	NUMBER	
OXYTOXUM GLADIOLUS	10	S
OXYTOXUM GLADIOLUS	10	B
OXYTOXUM MILNERI (MUR + WHIT)	30	S
OXYTOXUM SCOLOPAX (STEIN)	40	S
OXYTOXUM SP	10	B
PERIDINIUM BREVE (PAULSON)	70	S
PERIDINIUM BREVE (PAULSON)	10	B
PERIDINIUM ELEGANS (CLEVE)	40	S
PERIDINIUM GLOBULUS (STEIN)	710	S
PERIDINIUM GLOBULUS (STEIN)	60	B
PERIDINIUM MONACANTHUM (BROCK)	10	S
PERIDINIUM PYRIFORME (PAULSEN)	140	S
PERIDINIUM PYRIFORME (PAULSEN)	10	B
PHALACROMA DORYPHORUM STEIN	10	S
PLEUROSIGMA SP	10	S
PLEUROSIGMA SP	100	I
PLEUROSIGMA SP	20	B
PODOLAMPAS PALMIPES STEIN	60	B
PODOLAMPAS SPINIFER (OKAMURAI)	10	S
PODOLAMPAS SPINIFER (OKAMURAI)	100	I
PROROCENTRUM ROSTRATUM STEIN	30	S
RHIZOSOLENIA ALATA (BRIGHTWELL)	480	S
RHIZOSOLENIA ALATA (BRIGHTWELL)	2000	I
RHIZOSOLENIA ALATA (BRIGHTWELL)	420	B
RHIZOSOLENIA IMBRICATA (BRIGHTWELL)	150	S
RHIZOSOLENIA IMBRICATA (BRIGHTWELL)	40	B
RHIZOSOLENIA STOLTERFORTHII (PERAGALLO)	20	S
RHIZOSOLENIA STOLTERFORTHII (PERAGALLO)	30	B
SKELETONEMA COSTATUM (GREVILLE) CLEVE	120	S
SKELETONEMA COSTATUM (GREVILLE) CLEVE	300	I
STEPHANOPHYXIS PALMERIANA (GREVILLE) GRUNOW	370	S
STEPHANOPHYXIS PALMERIANA (GREVILLE) GRUNOW	400	I
STEPHANOPHYXIS PALMERIANA (GREVILLE) GRUNOW	100	B
STRIATELLA UNIPUNCTATA (LYNGBYE)	20	B
SYNEDRA SP	1300	I
SYNEDRA SP	10	B
THALASSIOSIRA ROTULA (MENUNIER)	10	S
TOTAL	31195	

STATION PORT HACKING 100M DATE 3/11/65

SPECIES	NUMBER	
AMPHISOLENIA GLOBIFERA KOF + SKOS	10	B
AMPHORA HENDEYI (FW)	200	S
ASTERIONELLA JAPONICA (CLEVE + MOLLER)	80900	S
ASTERIONELLA JAPONICA (CLEVE + MOLLER)	7300	I
ASTERIONELLA JAPONICA (CLEVE + MOLLER)	660	B
BIDDULPHIA MOBILIENSIS (BAILEY)	100	I
CERATULINA BERGONII (H PERAG)	60	B
CERATIUM CANDELABRUM (EHR) STEIN	100	I
CERATIUM FURCA (EHR) CLAP + LACH	100	I
CERATIUM FUSUS (EHR) DUJARDIN	100	S
CHAETOCEROS SECUNDUM (CLEVE)	100	S
CHAETOCEROS TERES (CLEVE)	700	S
CHAETOCEROS TERES (CLEVE)	10	B
CORETHRON CRIOPHILUM (CASTRACANE)	10	B
COSCINODISCUS SP	10	B
EUCAMPIA ZOODIACUS (EHR)	1300	S
GUINARDIA FLACCIDA (CASTRACANE) PERAGALLO	200	S
GUINARDIA FLACCIDA (CASTRACANE) PERAGALLO	20	B
LEPTOCYLINDRUS DANICUS (CLEVE)	200	S
LEPTOCYLINDRUS DANICUS (CLEVE)	200	I
MELOSIRA MONILIFORMIS (MULLER) AGARDH	100	S
MELOSIRA MONILIFORMIS (MULLER) AGARDH	10	B
NAVICULA SP	1600	S
NAVICULA SP	1500	I
NAVICULA SP	100	B
NITZSCHIA CLOSTERIUM (EHR) W SMITH	28000	S
NITZSCHIA LONGISSIMA (BREB) ROLFS	1200	S
NITZSCHIA LONGISSIMA (BREB) ROLFS	1200	I
NITZSCHIA LONGISSIMA (BREB) ROLFS	30	B
NITZSCHIA SERIATA (CLEVE)	400	S
OXYTOXUM GLADIOLUS	100	S
OXYTOXUM OBLIQUM (SCHILLER)	100	S
PERIDINIUM ELEGANS (CLEVE)	100	I
PERIDINIUM GLOBULUS (STEIN)	700	S
PERIDINIUM GLOBULUS (STEIN)	30	B
PERIDINIUM MONACANTHUM (BROCK)	100	S
PHALACROMA CUNEUS SCHUTT	10	B
PLEUROSIGMA SP	200	S
PLEUROSIGMA SP	100	I
PLEUROSIGMA SP	20	B
PODOLAMPAS SPINIFER (OKAMURAI)	10	B
RHIZOSOLENIA ALATA (BRIGHTWELL)	40	B
RHIZOSOLENIA IMBRICATA (BRIGHTWELL)	200	I
RHIZOSOLENIA STOLTERFORTHII (PERAGALLO)	300	S
STREPTOTHECA THAMESIS (SHRUBSOLE)	100	S
STREPTOTHECA THAMESIS (SHRUBSOLE)	100	I
SYNEDRA SP	100	S
SYNEDRA SP	600	I
SYNEDRA SP	40	B
TOTAL	129370	

STATION PORT HACKING 100M DATE 8/11/65

SPECIES	NUMBER	
ASTERIONELLA JAPONICA (CLEVE + MOLLER)	190	S
ASTERIONELLA JAPONICA (CLEVE + MOLLER)	1000	B
CERATULINA BERGONII (H PERAG)	120	S
CERATIUM BUCEROS (ZACHARIAS)	320	S
CERATIUM FURCA (EHR) CLAP + LACH	520	S
CERATIUM FUSUS (EHR) DUJARDIN	230	S
CERATIUM PENTAGONUM (GOURRET)	20	S
CERATIUM TRIPOS (O F MULLER) NITZCH	110	S
CHAETOCEROS SECUNDUM (CLEVE)	60	S
CHAETOCEROS SECUNDUM (CLEVE)	200	I
CHAETOCEROS SECUNDUM (CLEVE)	100	B
CHAETOCEROS TERES (CLEVE)	330	S
CHAETOCEROS TERES (CLEVE)	300	I
CHAETOCEROS TERES (CLEVE)	100	B
COSCINODISCUS SP	10	S
DINOPHYSIS TRUNCATA (CLEVE)	200	S
DITYLUM BRIGHTWELLII (WEST) GRUNOW	230	S
DITYLUM BRIGHTWELLII (WEST) GRUNOW	100	I
EUCAMPIA ZOODIACUS (EHR)	240	S
EUCAMPIA ZOODIACUS (EHR)	600	I
EUCAMPIA ZOODIACUS (EHR)	100	B
GLENODINIUM SP	200	S
GLENODINIUM SP	100	I
GONIAULAX DIGITALE (PAUCHET) KOFOID	100	S
GONIAULAX KOFOIDI (PAVILLARD)	100	S
GUINARDIA FLACCIDA (CASTRACANE) PERAGALLO	110	S
GUINARDIA FLACCIDA (CASTRACANE) PERAGALLO	100	I
LEPTOCYLINDRUS DANICUS (CLEVE)	250	S
LEPTOCYLINDRUS DANICUS (CLEVE)	100	B
MELOSIRA MONILIFORMIS (MULLER) AGARDH	100	S
NAVICULA SP	1420	S
NAVICULA SP	700	I
NITZSCHIA BRIGHTWELLII (KITTON)	20	S
NITZSCHIA LONGISSIMA (BREB) ROLFS	1790	S
NITZSCHIA LONGISSIMA (BREB) ROLFS	900	I
NITZSCHIA SERIATA (CLEVE)	110	S
PERIDINIUM CRASSIPES (KOFOID)	100	S
PERIDINIUM GLOBULUS (STEIN)	330	S
PERIDINIUM PYRIFORME (PAULSEN)	100	I
PLEUROSIGMA SP	120	S
PODOLAMPAS PALMIPES STEIN	10	S
PROROCENTRUM ROSTRATUM STEIN	100	I
PROROCENTRUM SCHILLERI (POHM)	20800	S
PROROCENTRUM SCHILLERI (POHM)	18600	I
RHIZOSOLENIA ALATA (BRIGHTWELL)	100	I
RHIZOSOLENIA IMBRICATA (BRIGHTWELL)	10	S
STEPHANOPHYXIS PALMERIANA (GREVILLE) GRUNOW	10	S
STEPHANOPHYXIS PALMERIANA (GREVILLE) GRUNOW	200	B
SYNEDRA SP	100	S
SYNEDRA SP	400	I
SYNEDRA SP	200	B

STATION PORT HACKING 100M DATE 8/11/65

SPECIES	NUMBER
THALASSIOTHRIX FRAUENFELDII (GRUNOW)	100 I
THALASSIOSIRA ROTULA (MENUNIER)	200 I
TOTAL	47660

STATION PORT HACKING 100M DATE 15/11/65

SPECIES	NUMBER	
ASTERIONELLA JAPONICA (CLEVE + MOLLER)	9000	S
ASTERIONELLA JAPONICA (CLEVE + MOLLER)	5400	I
CERATULINA BERGONII (H PERAG)	3700	S
CERATULINA BERGONII (H PERAG)	200	I
CERATIUM FUSUS (EHR) DUJARDIN	100	S
CHAETOCEROS ATLANTICUM (CLEVE)	400	S
CHAETOCEROS DECIPIENS (CLEVE)	600	S
CHAETOCEROS DECIPIENS (CLEVE)	1200	I
CHAETOCEROS LORENZIANUM (GRUNOW)	200	I
CHAETOCEROS SECUNDUM (CLEVE)	31100	S
CHAETOCEROS TERES (CLEVE)	10600	S
CHAETOCEROS TERES (CLEVE)	8400	I
CHAETOCEROS TERES (CLEVE)	2800	B
COSCINODISCUS SP	100	S
EUCAMPIA ZOODIACUS (EHR)	100	S
GLENODINIUM SP	100	S
GONIAULAX KOFOIDI (PAVILLARD)	100	S
GUINARDIA FLACCIDA (CASTRACANE) PERAGALLO	1800	S
GUINARDIA FLACCIDA (CASTRACANE) PERAGALLO	400	I
HEMIALUS HAUCKII (GRUNOW)	400	S
LEPTOCYLINDRUS DANICUS (CLEVE)	41800	S
LEPTOCYLINDRUS DANICUS (CLEVE)	21000	I
LEPTOCYLINDRUS DANICUS (CLEVE)	400	B
MELOSIRA CRENULATE (EHR) KUTZING	100	S
MELOSIRA MONILIFORMIS (MULLER) AGARDH	1700	S
MELOSIRA MONILIFORMIS (MULLER) AGARDH	2200	I
MELOSIRA MONILIFORMIS (MULLER) AGARDH	400	B
NAVICULA SP	9000	S
NAVICULA SP	1800	I
NAVICULA SP	1000	B
NITZSCHIA BRIGHTWELLII (KITTON)	1300	S
NITZSCHIA BRIGHTWELLII (KITTON)	200	I
NITZSCHIA LONGISSIMA (BREB) ROLFS	3100	S
NITZSCHIA LONGISSIMA (BREB) ROLFS	2800	I
NITZSCHIA LONGISSIMA (BREB) ROLFS	1400	B
NITZSCHIA SERIATA (CLEVE)	5700	S
NITZSCHIA SERIATA (CLEVE)	1200	I
OXYTOXUM GLADIOLUS	100	S
PERIDINIUM GLOBULUS (STEIN)	300	S
PERIDINIUM PYRIFORME (PAULSEN)	100	S
PERIDINIUM TUBA (SCHILLER)	200	S
PLEUROSIGMA SP	200	I
PLEUROSIGMA SP	1200	B
PROROCENTRUM SCHILLERI (POHM)	3100	S
PROROCENTRUM SCHILLERI (POHM)	400	I
RHIZOSOLENIA ALATA (BRIGHTWELL)	7100	S
RHIZOSOLENIA ALATA (BRIGHTWELL)	400	I
RHIZOSOLENIA STOLTERFORTHII (PERAGALLO)	4000	S
RHIZOSOLENIA STOLTERFORTHII (PERAGALLO)	2000	I
RHIZOSOLENIA STOLTERFORTHII (PERAGALLO)	200	B
SKELETONEMA COSTATUM (GREVILLE) CLEVE	800	I

STATION PORT HACKING 100M DATE 15/11/65

SPECIES	NUMBER
SKELETONEMA SP	600 S
STREPTOTHECA THAMESIS (SHRUBSOLE)	200 S
STRIATELLA UNIPUNCTATA (LYNGBYE)	100 S
SYNEDRA SP	500 S
TOTAL	193300

STATION PORT HACKING 100M DATE 23/11/65

SPECIES	NUMBER	
ASTERIONELLA JAPONICA (CLEVE + MOLLER)	900	S
ASTERIONELLA JAPONICA (CLEVE + MOLLER)	1800	I
BACTERIASTRUM HYALINUM (LAUDER)	100	B
BIDDULPHIA MOBILIENSIS (BAILEY)	100	I
CERATULINA BERGONII (H PERAG)	300	S
CERATIUM FURCA (EHR) CLAP + LACH	100	S
CERATIUM TRIPOS (O F MULLER) NITZCH	100	S
CERATIUM TRIPOS (O F MULLER) NITZCH	200	I
CHAETOCEROS SECUNDUM (CLEVE)	200	S
CHAETOCEROS SECUNDUM (CLEVE)	500	I
CHAETOCEROS TERES (CLEVE)	100	S
CHAETOCEROS TERES (CLEVE)	600	I
CHAETOCEROS TERES (CLEVE)	900	B
CLIMACODIUM FRAUENFELDIANUM (GRUNOW)	100	S
DITYLUM BRIGHTWELLII (WEST) GRUNOW	600	I
DITYLUM BRIGHTWELLII (WEST) GRUNOW	100	B
EUCAMPIA ZOODIACUS (EHR)	600	S
EUCAMPIA ZOODIACUS (EHR)	500	I
GUINARDIA FLACCIDA (CASTRACANE) PERAGALLO	1000	S
GUINARDIA FLACCIDA (CASTRACANE) PERAGALLO	400	I
HEMIALUS HAUCKII (GRUNOW)	600	S
HEMIALUS HAUCKII (GRUNOW)	100	B
LEPTOCYLINDRUS DANICUS (CLEVE)	9300	S
LEPTOCYLINDRUS DANICUS (CLEVE)	12700	I
LEPTOCYLINDRUS DANICUS (CLEVE)	3200	B
MELOSIRA MONILIFORMIS (MULLER) AGARDH	600	S
MELOSIRA MONILIFORMIS (MULLER) AGARDH	200	I
MELOSIRA MONILIFORMIS (MULLER) AGARDH	400	B
NAVICULA SP	1300	S
NAVICULA SP	2600	I
NAVICULA SP	400	B
NITZSCHIA BRIGHTWELLII (KITTON)	300	I
NITZSCHIA CLOSTERIUM (EHR) W SMITH	200	B
NITZSCHIA LONGISSIMA (BREB) ROLFS	500	S
NITZSCHIA LONGISSIMA (BREB) ROLFS	5100	I
NITZSCHIA LONGISSIMA (BREB) ROLFS	200	B
NITZSCHIA SERIATA (CLEVE)	300	S
NITZSCHIA SERIATA (CLEVE)	900	I
PERIDINIUM BREVE (PAULSON)	400	S
PERIDINIUM GLOBULUS (STEIN)	300	S
PERIDINIUM GLOBULUS (STEIN)	100	I
PERIDINIUM PYRIFORME (PAULSEN)	200	S
PLEUROSIGMA SP	300	S
PLEUROSIGMA SP	900	I
PLEUROSIGMA SP	100	B
PROROCENTRUM SCHILLERI (POHM)	2300	S
PROROCENTRUM SCHILLERI (POHM)	700	I
RHIZOSOLENIA ALATA (BRIGHTWELL)	800	S
RHIZOSOLENIA ALATA (BRIGHTWELL)	300	I
RHIZOSOLENIA ALATA (BRIGHTWELL)	300	B
RHIZOSOLENIA ERIENSIS (H L SMITH)	200	B

STATION PORT HACKING 100M DATE 23/11/65

SPECIES	NUMBER	
RHIZOSOLENIA STOLTERFORTHII (PERAGALLO)	100	I
RHIZOSOLENIA STOLTERFORTHII (PERAGALLO)	200	B
SKELETONEMA COSTATUM (GREVILLE) CLEVE	100	S
SKELETONEMA COSTATUM (GREVILLE) CLEVE	200	I
STAURONEIS SP	400	I
STEPHANOPHYXIS PALMERIANA (GREVILLE) GRUNOW	200	I
STEPHANOPHYXIS PALMERIANA (GREVILLE) GRUNOW	500	B
THALASSIOSIRA ROTULA (MENUNIER)	1100	I
THALASSIOSIRA ROTULA (MENUNIER)	100	B
TOTAL	57900	

STATION PORT HACKING 100M DATE 7/12/65

SPECIES	NUMBER	
AMPHORA HENDEYI (FW)	10	B
ASTERIONELLA JAPONICA (CLEVE + MOLLER)	11500	S
ASTERIONELLA JAPONICA (CLEVE + MOLLER)	1500	I
ASTERIONELLA JAPONICA (CLEVE + MOLLER)	350	B
BIDDULPHIA MOBILIENSIS (BAILEY)	200	S
CHAETOCEROS TERES (CLEVE)	400	S
DITYLUM SOL (GRUNOW) DE TONI	1600	S
DITYLUM SOL (GRUNOW) DE TONI	10	B
GUINARDIA FLACCIDA (CASTRACANE) PERAGALLO	100	S
HEMIAULUS MEMBRANACEUS (CLEVE)	1000	S
LEPTOCYLINDRUS DANICUS (CLEVE)	700	S
MELOSIRA MONILIFORMIS (MULLER) AGARDH	1500	S
MELOSIRA MONILIFORMIS (MULLER) AGARDH	20	B
NAVICULA SP	1200	S
NAVICULA SP	100	I
NITZSCHIA LONGISSIMA (BREB) ROLFS	200	S
NITZSCHIA SERIATA (CLEVE)	400	S
PERIDINIUM ELEGANS (CLEVE)	100	S
RHIZOSOLENIA ALATA (BRIGHTWELL)	100	S
THALASSIOSIRA ROTULA (MENUNIER)	700	S
TOTAL	21690	

STATION PORT HACKING 100M DATE 13/12/65

SPECIES	NUMBER	
ASTERIONELLA JAPONICA (CLEVE + MOLLER)	2800	S
ASTERIONELLA JAPONICA (CLEVE + MOLLER)	18100	I
ASTERIONELLA JAPONICA (CLEVE + MOLLER)	8600	B
BIDDULPHIA MOBILIENSIS (BAILEY)	100	I
BIDDULPHIA MOBILIENSIS (BAILEY)	200	B
CERATIUM FURCA (EHR) CLAP + LACH	1400	S
CERATIUM FURCA (EHR) CLAP + LACH	400	I
CHAETOCEROS LORENZIANUM (GRUNOW)	200	S
CHAETOCEROS LORENZIANUM (GRUNOW)	200	B
CHAETOCEROS SECUNDUM (CLEVE)	1000	S
CHAETOCEROS SECUNDUM (CLEVE)	300	I
CHAETOCEROS TERES (CLEVE)	400	I
CHAETOCEROS TERES (CLEVE)	100	B
CLIMACODIUM FRAUENFELDIANUM (GRUNOW)	300	S
CLIMACODIUM FRAUENFELDIANUM (GRUNOW)	100	I
DINOPHYSIS FORTII (PAV)	100	S
DINOPHYSIS FORTII (PAV)	100	B
DITYLUM SOL (GRUNOW) DE TONI	1100	I
EUCAMPIA ZOODIACUS (EHR)	700	I
GUINARDIA FLACCIDA (CASTRACANE) PERAGALLO	300	S
GUINARDIA FLACCIDA (CASTRACANE) PERAGALLO	300	I
LEPTOCYLINDRUS DANICUS (CLEVE)	2300	S
LEPTOCYLINDRUS DANICUS (CLEVE)	5200	I
LEPTOCYLINDRUS DANICUS (CLEVE)	100	B
MELOSIRA MONILIFORMIS (MULLER) AGARDH	600	S
MELOSIRA MONILIFORMIS (MULLER) AGARDH	1500	I
MELOSIRA MONILIFORMIS (MULLER) AGARDH	1200	B
NAVICULA SP	3000	S
NAVICULA SP	500	I
NITZSCHIA CLOSTERIUM (EHR) W SMITH	300	B
NITZSCHIA SERIATA (CLEVE)	2600	S
NITZSCHIA SERIATA (CLEVE)	400	I
PERIDINIUM PYRIFORME (PAULSEN)	100	S
PROROCENTRUM MICANS EHR	100	S
RHIZOSOLENIA ALATA (BRIGHTWELL)	1900	S
RHIZOSOLENIA ALATA (BRIGHTWELL)	600	I
STEPHANOPHYXIS PALMERIANA (GREVILLE) GRUNOW	300	S
THALASSIOTHRIX FRAUENFELDII (GRUNOW)	300	S
THALASSIOSIRA ROTULA (MENUNIER)	200	I
TOTAL	58000	

STATION PORT HACKING 100M DATE 20/12/65

SPECIES	NUMBER	
ASTERIONELLA JAPONICA (CLEVE + MOLLER)	6200	S
ASTERIONELLA JAPONICA (CLEVE + MOLLER)	1400	I
ASTERIONELLA JAPONICA (CLEVE + MOLLER)	15500	B
BIDDULPHIA REGIA (SCHULTZE) OSTENFELD	200	B
CERATIUM FURCA (EHR) CLAP + LACH	100	S
CHAETOCEROS LORENZIANUM (GRUNOW)	100	S
CHAETOCEROS SECUNDUM (CLEVE)	100	S
CHAETOCEROS SECUNDUM (CLEVE)	100	I
CHAETOCEROS SECUNDUM (CLEVE)	200	B
CHAETOCEROS TERES (CLEVE)	300	I
CHAETOCEROS TERES (CLEVE)	500	B
CLIMACODIUM FRAUENFELDIANUM (GRUNOW)	100	S
DITYLUM SOL (GRUNOW) DE TONI	100	B
EUCAMPIA ZOODIACUS (EHR)	600	B
GUINARDIA FLACCIDA (CASTRACANE) PERAGALLO	100	B
LEPTOCYLINDRUS DANICUS (CLEVE)	300	S
LEPTOCYLINDRUS DANICUS (CLEVE)	700	B
MELOSIRA MONILIFORMIS (MULLER) AGARDH	300	B
NAVICULA SP	100	S
NAVICULA SP	600	B
NITZSCHIA CLOSTERIUM (EHR) W SMITH	100	S
NITZSCHIA CLOSTERIUM (EHR) W SMITH	100	B
NITZSCHIA LONGISSIMA (BREB) ROLFS	100	B
NITZSCHIA SERIATA (CLEVE)	300	I
NITZSCHIA SERIATA (CLEVE)	700	B
PLEUROSIGMA SP	100	B
PROROCENTRUM ROSTRATUM STEIN	200	S
RHIZOSOLENIA ALATA (BRIGHTWELL)	500	B
SKELETONEMA COSTATUM (GREVILLE) CLEVE	700	B
STEPHANOPHYXIS PALMERIANA (GREVILLE) GRUNOW	1000	B
THALASSIOSIRA ROTULA (MENUNIER)	300	I
THALASSIOSIRA ROTULA (MENUNIER)	300	B
TOTAL	32000	

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
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

OCEANOGRAPHICAL STATION LISTS

(*Continued*)

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 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
54. Investigations by F.R.V. *Derwent Hunter* on the eastern Australian tuna grounds in 1961
55. Investigations by F.R.V. *Weerutta* on the South Australian tuna grounds in 1961
56. Investigations by F.R.V. *Marelda* on the eastern Australian tuna grounds in 1961
57. Investigations by F.V. *Estelle Star* in Western Australian waters in 1961
58. Temperature observations from Australian tuna fishing vessels in 1961
59. Investigations by F.R.V. *Derwent Hunter* on the eastern Australian tuna grounds in 1962
60. Investigations by F.R.V. *Investigator* on the South Australian tuna grounds in 1962
61. Investigations by F.R.V. *Marelda* on the eastern Australian tuna grounds in 1962
62. Investigations by F.V. *Estelle Star* in Western Australian waters in 1962
63. Temperature and salinity observations from Australian tuna fishing vessels in 1962
64. Investigations by F.R.V. *Investigator* on the South Australian tuna grounds in 1963
65. Investigations by F.R.V. *Marelda* on the eastern Australian tuna grounds in 1963
66. Temperature and salinity observations from Australian tuna fishing vessels in 1963
67. Investigations by F.R.V. *Investigator* on the South Australian tuna grounds in 1964
68. Investigations by F.R.V. *Marelda* on the eastern Australian tuna grounds in 1964
69. Temperature and salinity observations from Australian tuna fishing vessels in 1964
70. Investigations by F.R.V. *Investigator* on the South Australian tuna grounds in 1965
71. Investigations by F.V. *Estelle Star* in South Australian and New South Wales waters in 1965
72. Investigations by F.R.V. *Marelda* on the eastern Australian tuna grounds in 1965
73. Investigations by F.V. *Degei* in Queensland waters in 1965
74. Temperature and salinity observations from Australian tuna fishing vessels in 1965
75. Investigations by F.V. *Degei* in New South Wales, South and Western Australian waters in 1966
76. Investigations by F.V. *Estelle Star* in South and Western Australian waters in 1966
77. Temperature and salinity observations from Australian tuna fishing vessels in 1966
78. Drift bottle releases and recoveries in Bass Strait and adjacent waters, 1958–1962
79. Drift bottle releases and recoveries in Western Australia, 1956–1957
80. Investigations by F.R.V. *Lancelin* in Western Australian waters in 1963
81. Coastal investigations off Port Hacking, New South Wales, in 1961
82. Coastal investigations off Port Hacking, New South Wales, in 1962
83. Coastal investigations off Port Hacking, New South Wales, in 1963