Appendix 1: Summaries of wave and climate statistics

Tables of monthly mean values of wave climate statistics at all selected output sites on the 50 m isobath.

Tables of tidal constituents at all output sites on the 50 m isobath.

Plots of the spatial distribution of monthly mean values of significant wave height and wave energy flux on the 50-m isobath.

Table A1.1 Monthly, and overall, mean values of significant wave height (metres) at each output site.

Site No.	longitude	latitude	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	All
1	174.098	-38.957	1.44	1.43	1.61	1.70	1.99	1.88	1.96	2.07	2.05	1.99	1.71	1.51	1.78
2	174.016	-39.010	1.45	1.43	1.62	1.71	2.00	1.88	1.97	2.08	2.06	1.99	1.72	1.51	1.79
3	173.938	-39.069	1.46	1.44	1.62	1.71	2.00	1.89	1.98	2.09	2.07	2.01	1.73	1.52	1.80
4	173.837	-39.118	1.47	1.46	1.64	1.73	2.02	1.91	2.00	2.11	2.09	2.02	1.74	1.54	1.81
5	173.758	-39.178	1.50	1.49	1.68	1.77	2.07	1.95	2.04	2.15	2.12	2.06	1.78	1.57	1.85
6	173.708	-39.248	1.62	1.60	1.84	1.95	2.28	2.20	2.25	2.32	2.27	2.18	1.89	1.67	2.01
7	173.706	-39.341	1.59	1.58	1.80	1.90	2.23	2.15	2.20	2.28	2.23	2.15	1.86	1.65	1.97
8	173.734	-39.419	1.58	1.56	1.79	1.89	2.21	2.13	2.19	2.26	2.21	2.13	1.84	1.63	1.95
9	173.801	-39.489	1.55	1.54	1.75	1.86	2.17	2.10	2.15	2.21	2.17	2.09	1.80	1.60	1.92
10	173.865	-39.559	1.56	1.55	1.78	1.88	2.21	2.14	2.18	2.24	2.18	2.10	1.82	1.61	1.94
11	173.887	-39.643	1.54	1.53	1.74	1.85	2.16	2.09	2.14	2.20	2.15	2.07	1.79	1.59	1.91
12	173.938	-39.724	1.53	1.52	1.73	1.84	2.15	2.09	2.13	2.19	2.14	2.05	1.78	1.58	1.90
13	173.977	-39.804	1.52	1.50	1.71	1.82	2.13	2.07	2.11	2.17	2.12	2.03	1.76	1.56	1.88
14	174.029	-39.887	1.52	1.50	1.72	1.82	2.13	2.08	2.12	2.17	2.12	2.03	1.76	1.56	1.88
15	174.082	-39.957	1.54	1.52	1.75	1.86	2.17	2.13	2.16	2.20	2.14	2.05	1.78	1.58	1.91
16	174.158	-39.996	1.53	1.50	1.73	1.84	2.15	2.11	2.14	2.18	2.12	2.03	1.76	1.56	1.89
17	174.284	-39.987	1.45	1.43	1.63	1.74	2.04	1.96	2.00	2.05	2.01	1.93	1.68	1.49	1.79
18	174.377	-39.955	1.46	1.43	1.64	1.74	2.06	1.98	2.01	2.06	2.02	1.93	1.68	1.49	1.79
19	174.493	-39.985	1.46	1.43	1.64	1.75	2.06	1.98	2.01	2.07	2.02	1.94	1.68	1.49	1.80
20	174.597	-40.004	1.46	1.43	1.65	1.75	2.07	1.99	2.02	2.07	2.02	1.94	1.68	1.49	1.80
21	174.713	-40.027	1.45	1.42	1.63	1.74	2.06	1.97	2.00	2.06	2.01	1.93	1.67	1.48	1.79
22	174.815	-40.076	1.45	1.42	1.64	1.75	2.07	1.98	2.01	2.06	2.01	1.93	1.67	1.48	1.79

23	174.907	-40.122	1.31	1.28	1.45	1.55	1.82	1.73	1.79	1.86	1.83	1.77	1.53	1.36	1.61
24	174.984	-40.168	1.31	1.27	1.45	1.54	1.82	1.72	1.79	1.85	1.82	1.77	1.53	1.35	1.60
25	175.096	-40.205	1.29	1.25	1.43	1.52	1.80	1.71	1.77	1.83	1.80	1.74	1.51	1.34	1.58
26	175.124	-40.284	1.28	1.24	1.42	1.52	1.79	1.70	1.76	1.82	1.79	1.73	1.50	1.33	1.57
27	175.165	-40.359	1.19	1.14	1.27	1.36	1.60	1.52	1.60	1.69	1.67	1.62	1.39	1.24	1.44
28	175.153	-40.452	1.19	1.15	1.27	1.37	1.60	1.53	1.61	1.69	1.67	1.63	1.39	1.25	1.45
29	175.114	-40.501	1.15	1.10	1.22	1.31	1.54	1.47	1.55	1.63	1.61	1.57	1.35	1.21	1.39
30	175.089	-40.580	1.15	1.09	1.21	1.30	1.52	1.46	1.54	1.62	1.60	1.56	1.34	1.21	1.39
31	175.065	-40.669	1.14	1.08	1.20	1.29	1.51	1.45	1.53	1.60	1.59	1.55	1.33	1.20	1.37
32	175.023	-40.750	1.02	0.96	1.04	1.12	1.30	1.26	1.33	1.41	1.41	1.39	1.19	1.08	1.21
33	174.961	-40.826	0.67	0.60	0.67	0.68	0.81	0.84	0.89	0.95	0.98	0.97	0.83	0.74	0.80
34	174.945	-40.806	1.02	0.96	1.06	1.12	1.31	1.29	1.36	1.45	1.44	1.41	1.21	1.09	1.23
35	174.907	-40.808	1.09	1.03	1.17	1.23	1.44	1.40	1.46	1.54	1.53	1.50	1.29	1.15	1.32
36	174.866	-40.894	1.03	0.97	1.10	1.16	1.36	1.31	1.36	1.44	1.42	1.40	1.21	1.08	1.24
37	174.907	-40.913	0.95	0.90	1.01	1.08	1.26	1.20	1.25	1.32	1.30	1.28	1.11	0.99	1.14
38	174.870	-40.953	1.00	0.94	1.07	1.12	1.31	1.27	1.32	1.39	1.38	1.36	1.17	1.05	1.20
39	174.831	-41.031	0.99	0.93	1.06	1.11	1.30	1.26	1.30	1.37	1.36	1.33	1.16	1.04	1.18
40	174.758	-41.100	0.96	0.90	1.02	1.07	1.25	1.21	1.25	1.32	1.30	1.28	1.12	1.00	1.14
41	174.719	-41.168	0.92	0.85	0.97	1.02	1.18	1.13	1.17	1.23	1.22	1.21	1.06	0.95	1.08
42	174.631	-41.227	0.96	0.91	1.08	1.13	1.32	1.25	1.25	1.29	1.26	1.23	1.09	0.97	1.15
43	174.611	-41.314	1.20	1.16	1.41	1.49	1.75	1.76	1.70	1.68	1.58	1.51	1.35	1.18	1.48

Table A1.2. Monthly, and overall, mean values of peak wave period (seconds) at each output site.

Site No.	longitude	latitude	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	All
1	174.098	-38.957	10.35	10.85	11.47	11.60	11.72	11.41	11.59	11.81	11.63	11.38	10.48	10.38	11.23
2	174.016	-39.010	10.35	10.83	11.45	11.59	11.71	11.42	11.59	11.80	11.63	11.37	10.48	10.37	11.22
3	173.938	-39.069	10.34	10.83	11.44	11.59	11.70	11.41	11.59	11.80	11.62	11.36	10.47	10.34	11.21
4	173.837	-39.118	10.33	10.82	11.42	11.58	11.70	11.41	11.58	11.78	11.61	11.35	10.46	10.33	11.20
5	173.758	-39.178	10.32	10.81	11.42	11.58	11.70	11.42	11.58	11.77	11.62	11.35	10.47	10.33	11.20
6	173.708	-39.248	10.33	10.83	11.40	11.62	11.82	11.59	11.69	11.83	11.73	11.34	10.53	10.39	11.26
7	173.706	-39.341	10.33	10.82	11.40	11.60	11.83	11.58	11.69	11.85	11.74	11.33	10.52	10.37	11.26
8	173.734	-39.419	10.31	10.80	11.38	11.60	11.84	11.58	11.70	11.88	11.74	11.34	10.54	10.38	11.26
9	173.801	-39.489	10.33	10.81	11.39	11.62	11.84	11.63	11.72	11.90	11.76	11.34	10.58	10.41	11.28
10	173.865	-39.559	10.33	10.81	11.37	11.60	11.82	11.63	11.73	11.89	11.76	11.34	10.56	10.42	11.27
11	173.887	-39.643	10.32	10.78	11.36	11.61	11.84	11.63	11.72	11.90	11.77	11.34	10.58	10.40	11.27
12	173.938	-39.724	10.32	10.78	11.35	11.63	11.86	11.63	11.74	11.92	11.78	11.34	10.58	10.40	11.28
13	173.977	-39.804	10.28	10.74	11.30	11.57	11.83	11.60	11.71	11.88	11.74	11.32	10.56	10.34	11.24
14	174.029	-39.887	10.30	10.75	11.32	11.61	11.86	11.62	11.73	11.92	11.76	11.34	10.59	10.35	11.27
15	174.082	-39.957	10.29	10.76	11.29	11.59	11.84	11.62	11.73	11.88	11.75	11.31	10.57	10.35	11.25
16	174.158	-39.996	10.25	10.73	11.26	11.56	11.84	11.62	11.72	11.85	11.72	11.28	10.56	10.31	11.23
17	174.284	-39.987	10.37	10.86	11.44	11.73	12.03	11.76	11.87	12.01	11.93	11.48	10.77	10.44	11.39
18	174.377	-39.955	10.39	10.88	11.45	11.74	12.03	11.77	11.90	12.01	11.91	11.48	10.78	10.46	11.40
19	174.493	-39.985	10.40	10.90	11.46	11.75	12.04	11.77	11.91	12.02	11.92	11.49	10.79	10.48	11.41
20	174.597	-40.004	10.41	10.91	11.47	11.75	12.05	11.78	11.91	12.02	11.93	11.49	10.81	10.48	11.42
21	174.713	-40.027	10.41	10.92	11.46	11.75	12.03	11.78	11.90	12.02	11.91	11.48	10.80	10.48	11.41
22	174.815	-40.076	10.41	10.91	11.46	11.75	12.04	11.77	11.90	12.01	11.91	11.48	10.81	10.46	11.41

23	174.907	-40.122	10.38	10.89	11.47	11.76	11.94	11.70	11.83	11.97	11.79	11.44	10.69	10.39	11.36
24	174.984	-40.168	10.38	10.90	11.47	11.77	11.95	11.70	11.83	11.97	11.79	11.43	10.71	10.39	11.36
25	175.096	-40.205	10.35	10.86	11.42	11.76	11.94	11.69	11.82	11.95	11.77	11.40	10.71	10.36	11.34
26	175.124	-40.284	10.36	10.83	11.40	11.74	11.96	11.69	11.83	11.95	11.78	11.39	10.71	10.36	11.34
27	175.165	-40.359	10.20	10.68	11.20	11.47	11.56	11.41	11.62	11.81	11.52	11.14	10.39	10.17	11.10
28	175.153	-40.452	10.18	10.66	11.20	11.47	11.56	11.41	11.62	11.81	11.52	11.13	10.39	10.17	11.10
29	175.114	-40.501	10.05	10.52	11.09	11.33	11.48	11.33	11.56	11.70	11.38	11.00	10.28	10.00	10.98
30	175.089	-40.580	10.00	10.45	11.05	11.28	11.44	11.30	11.53	11.67	11.33	10.94	10.21	9.95	10.93
31	175.065	-40.669	9.91	10.37	11.00	11.22	11.40	11.26	11.51	11.62	11.27	10.89	10.13	9.86	10.87
32	175.023	-40.750	9.55	9.98	10.48	10.78	10.90	10.94	11.25	11.38	10.95	10.48	9.68	9.57	10.50
33	174.961	-40.826	6.82	6.93	7.19	6.91	7.31	7.66	8.07	8.17	7.95	7.77	7.24	7.07	7.43
34	174.945	-40.806	9.54	9.92	10.44	10.69	10.82	10.82	11.14	11.22	10.79	10.37	9.64	9.51	10.41
35	174.907	-40.808	9.83	10.30	10.94	11.12	11.32	11.13	11.38	11.47	11.10	10.76	9.99	9.76	10.76
36	174.866	-40.894	9.84	10.33	10.96	11.14	11.38	11.20	11.43	11.54	11.20	10.81	10.01	9.81	10.81
37	174.907	-40.913	10.03	10.52	11.10	11.35	11.58	11.41	11.64	11.74	11.43	11.02	10.29	10.01	11.01
38	174.870	-40.953	9.83	10.32	10.94	11.14	11.37	11.18	11.43	11.50	11.15	10.78	10.01	9.80	10.79
39	174.831	-41.031	9.71	10.24	10.85	11.07	11.38	11.12	11.37	11.41	11.04	10.72	9.93	9.64	10.71
40	174.758	-41.100	9.69	10.23	10.84	11.07	11.40	11.11	11.38	11.43	11.05	10.73	9.93	9.60	10.71
41	174.719	-41.168	9.65	10.23	10.86	11.08	11.44	11.19	11.43	11.50	11.12	10.76	9.96	9.59	10.74
42	174.631	-41.227	10.00	10.65	11.32	11.55	12.03	11.61	11.83	11.87	11.75	11.28	10.68	9.98	11.21
43	174.611	-41.314	9.61	10.09	10.67	10.89	11.52	11.30	11.29	11.16	11.08	10.73	10.20	9.53	10.67

Table A1.3. Monthly, and overall, mean values of second-moment mean wave period (seconds) at each output site.

Site No.	longitude	latitude	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	All
1	174.098	-38.957	6.66	6.98	7.23	7.29	7.46	7.24	7.51	7.55	7.33	7.22	6.82	6.72	7.17
2	174.016	-39.010	6.68	7.00	7.26	7.32	7.50	7.29	7.55	7.59	7.36	7.24	6.84	6.74	7.20
3	173.938	-39.069	6.71	7.04	7.31	7.36	7.54	7.36	7.62	7.63	7.40	7.26	6.87	6.77	7.24
4	173.837	-39.118	6.67	6.97	7.26	7.30	7.49	7.32	7.58	7.58	7.36	7.22	6.83	6.73	7.19
5	173.758	-39.178	6.65	6.96	7.23	7.27	7.46	7.27	7.54	7.55	7.34	7.20	6.81	6.71	7.17
6	173.708	-39.248	6.68	6.96	7.21	7.31	7.54	7.44	7.58	7.58	7.37	7.21	6.82	6.73	7.20
7	173.706	-39.341	6.67	6.91	7.17	7.28	7.51	7.39	7.56	7.58	7.38	7.21	6.80	6.71	7.18
8	173.734	-39.419	6.71	6.95	7.21	7.32	7.55	7.45	7.61	7.64	7.43	7.26	6.84	6.75	7.23
9	173.801	-39.489	6.75	6.96	7.23	7.34	7.57	7.49	7.64	7.69	7.50	7.32	6.88	6.78	7.26
10	173.865	-39.559	6.73	6.94	7.20	7.32	7.56	7.50	7.63	7.66	7.48	7.29	6.86	6.76	7.24
11	173.887	-39.643	6.69	6.88	7.14	7.26	7.52	7.42	7.56	7.60	7.43	7.26	6.81	6.72	7.19
12	173.938	-39.724	6.67	6.86	7.11	7.23	7.50	7.40	7.53	7.57	7.40	7.24	6.79	6.70	7.17
13	173.977	-39.804	6.63	6.81	7.05	7.19	7.47	7.37	7.50	7.54	7.36	7.20	6.75	6.65	7.13
14	174.029	-39.887	6.63	6.80	7.05	7.19	7.48	7.38	7.50	7.54	7.37	7.20	6.75	6.65	7.13
15	174.082	-39.957	6.62	6.79	7.04	7.19	7.48	7.41	7.51	7.53	7.36	7.18	6.74	6.64	7.13
16	174.158	-39.996	6.60	6.77	7.03	7.18	7.48	7.41	7.50	7.52	7.35	7.16	6.73	6.61	7.11
17	174.284	-39.987	6.63	6.80	7.07	7.24	7.55	7.43	7.55	7.60	7.46	7.24	6.77	6.64	7.17
18	174.377	-39.955	6.68	6.86	7.14	7.30	7.61	7.49	7.62	7.66	7.51	7.29	6.83	6.69	7.22
19	174.493	-39.985	6.71	6.89	7.18	7.34	7.65	7.53	7.66	7.69	7.55	7.32	6.86	6.72	7.26
20	174.597	-40.004	6.76	6.94	7.23	7.39	7.69	7.57	7.70	7.73	7.59	7.35	6.91	6.76	7.30
21	174.713	-40.027	6.79	6.98	7.26	7.42	7.72	7.60	7.74	7.76	7.62	7.38	6.93	6.78	7.33
22	174.815	-40.076	6.80	7.00	7.28	7.45	7.75	7.64	7.77	7.78	7.64	7.39	6.95	6.79	7.36

23	174.907	-40.122	6.67	6.88	7.14	7.31	7.53	7.38	7.62	7.67	7.47	7.27	6.82	6.69	7.21
24	174.984	-40.168	6.69	6.92	7.19	7.35	7.57	7.43	7.68	7.71	7.51	7.29	6.85	6.70	7.24
25	175.096	-40.205	6.76	7.02	7.29	7.45	7.66	7.57	7.82	7.81	7.61	7.35	6.94	6.76	7.34
26	175.124	-40.284	6.75	7.01	7.28	7.44	7.66	7.58	7.83	7.82	7.61	7.34	6.94	6.74	7.33
27	175.165	-40.359	6.61	6.89	7.10	7.24	7.41	7.42	7.72	7.74	7.49	7.20	6.77	6.64	7.19
28	175.153	-40.452	6.57	6.85	7.06	7.20	7.38	7.39	7.70	7.71	7.46	7.17	6.74	6.60	7.15
29	175.114	-40.501	6.42	6.66	6.87	7.02	7.22	7.20	7.51	7.54	7.29	7.03	6.60	6.46	6.99
30	175.089	-40.580	6.35	6.58	6.79	6.95	7.16	7.14	7.46	7.48	7.22	6.97	6.55	6.40	6.92
31	175.065	-40.669	6.29	6.52	6.73	6.90	7.12	7.13	7.43	7.45	7.18	6.93	6.51	6.35	6.88
32	175.023	-40.750	6.04	6.26	6.41	6.59	6.79	6.87	7.18	7.22	6.93	6.68	6.28	6.14	6.62
33	174.961	-40.826	4.98	4.99	5.10	5.08	5.33	5.50	5.74	5.84	5.72	5.61	5.31	5.15	5.36
34	174.945	-40.806	6.05	6.24	6.41	6.58	6.79	6.85	7.13	7.18	6.86	6.67	6.28	6.15	6.60
35	174.907	-40.808	6.17	6.38	6.62	6.76	6.97	6.93	7.19	7.22	6.95	6.79	6.39	6.23	6.72
36	174.866	-40.894	6.18	6.42	6.63	6.75	6.95	6.90	7.16	7.22	6.96	6.76	6.40	6.23	6.72
37	174.907	-40.913	6.43	6.67	6.92	7.06	7.25	7.21	7.49	7.51	7.29	7.06	6.63	6.47	7.00
38	174.870	-40.953	6.14	6.39	6.63	6.75	6.96	6.91	7.16	7.19	6.92	6.74	6.37	6.19	6.70
39	174.831	-41.031	6.07	6.30	6.59	6.69	6.92	6.90	7.13	7.12	6.87	6.67	6.34	6.11	6.64
40	174.758	-41.100	5.99	6.24	6.51	6.62	6.84	6.81	7.03	7.03	6.79	6.58	6.28	6.04	6.56
41	174.719	-41.168	5.94	6.18	6.50	6.62	6.85	6.82	7.07	7.04	6.79	6.56	6.25	5.98	6.55
42	174.631	-41.227	6.14	6.40	6.82	6.95	7.25	7.07	7.24	7.15	6.97	6.75	6.47	6.11	6.78
43	174.611	-41.314	6.26	6.45	6.84	6.98	7.34	7.37	7.31	7.22	7.06	6.79	6.53	6.19	6.86

Table A1.4. Monthly, and overall, mean values of the eastward component of wave energy flux (kW/m) at each output site.

Site No.	longitude	latitude	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	All
1	174.10	-38.96	8.9	8.9	11.7	14.0	20.1	16.5	19.2	21.1	19.5	17.4	13.2	9.4	15.0
2	174.02	-39.01	8.9	8.9	11.8	14.1	20.2	16.6	19.3	21.2	19.6	17.5	13.2	9.5	15.1
3	173.94	-39.07	9.0	9.0	11.9	14.2	20.3	16.7	19.4	21.3	19.7	17.6	13.4	9.6	15.2
4	173.84	-39.12	9.1	9.1	12.0	14.3	20.6	16.8	19.6	21.5	19.9	17.8	13.5	9.7	15.4
5	173.76	-39.18	9.3	9.3	12.2	14.6	21.1	17.1	20.0	21.9	20.3	18.1	13.8	9.9	15.7
6	173.71	-39.25	9.0	9.0	11.7	14.1	20.3	16.2	19.1	21.2	19.8	17.7	13.5	9.7	15.2
7	173.71	-39.34	9.0	9.0	11.7	14.1	20.4	16.4	19.3	21.2	19.9	17.8	13.5	9.7	15.2
8	173.73	-39.42	8.9	8.8	11.5	13.8	20.0	16.1	18.9	20.9	19.6	17.5	13.3	9.5	14.9
9	173.80	-39.49	8.6	8.5	11.1	13.4	19.4	15.6	18.4	20.4	19.1	17.1	13.0	9.3	14.5
10	173.87	-39.56	8.3	8.2	10.6	12.8	18.6	14.9	17.7	19.7	18.5	16.5	12.6	9.0	14.0
11	173.89	-39.64	8.3	8.1	10.6	12.8	18.5	14.9	17.6	19.6	18.3	16.4	12.4	8.9	13.9
12	173.94	-39.72	8.1	7.9	10.3	12.4	18.0	14.5	17.2	19.1	17.8	16.0	12.1	8.7	13.6
13	173.98	-39.80	7.8	7.6	9.8	11.9	17.3	14.0	16.5	18.4	17.2	15.4	11.7	8.4	13.0
14	174.03	-39.89	7.7	7.5	9.7	11.8	17.1	13.8	16.4	18.2	17.0	15.3	11.6	8.3	12.9
15	174.08	-39.96	7.5	7.3	9.4	11.4	16.6	13.3	15.8	17.7	16.6	14.9	11.3	8.1	12.5
16	174.16	-40.00	7.1	6.9	8.9	10.8	15.7	12.6	15.0	16.8	15.8	14.2	10.8	7.7	11.9
17	174.28	-39.99	7.3	7.0	9.2	11.2	16.3	13.4	15.6	17.2	15.9	14.3	10.8	7.8	12.2
18	174.38	-39.96	7.3	7.0	9.2	11.2	16.3	13.4	15.6	17.2	16.0	14.3	10.8	7.8	12.2
19	174.49	-39.99	7.3	7.1	9.3	11.3	16.4	13.5	15.7	17.3	16.0	14.3	10.8	7.8	12.3
20	174.60	-40.00	7.4	7.1	9.4	11.3	16.4	13.6	15.8	17.4	16.1	14.4	10.9	7.9	12.3
21	174.71	-40.03	7.3	7.1	9.3	11.3	16.3	13.5	15.7	17.3	16.0	14.3	10.8	7.8	12.3
22	174.82	-40.08	7.3	7.0	9.2	11.2	16.2	13.5	15.6	17.1	15.8	14.1	10.7	7.7	12.1

23	174.91	-40.12	7.2	6.9	9.1	11.0	16.0	13.3	15.4	16.9	15.6	13.9	10.5	7.6	12.0
24	174.98	-40.17	7.1	6.8	9.0	10.9	15.9	13.3	15.3	16.7	15.5	13.8	10.4	7.6	11.9
25	175.10	-40.21	6.9	6.6	8.7	10.5	15.4	13.0	14.9	16.3	15.1	13.4	10.2	7.3	11.6
26	175.12	-40.28	6.8	6.4	8.6	10.4	15.1	12.8	14.6	16.1	14.8	13.2	10.0	7.2	11.4
27	175.17	-40.36	6.4	6.0	7.8	9.6	13.9	11.7	13.7	15.2	14.0	12.6	9.4	6.9	10.6
28	175.15	-40.45	6.4	6.1	7.8	9.6	13.9	11.7	13.7	15.2	14.1	12.6	9.5	6.9	10.7
29	175.11	-40.50	5.8	5.4	7.0	8.6	12.6	10.7	12.6	13.9	12.8	11.6	8.7	6.3	9.7
30	175.09	-40.58	5.7	5.3	6.8	8.4	12.3	10.5	12.3	13.6	12.6	11.4	8.6	6.2	9.5
31	175.07	-40.67	5.6	5.1	6.6	8.1	12.0	10.2	12.1	13.3	12.3	11.1	8.4	6.1	9.3
32	175.02	-40.75	4.3	3.9	5.0	6.1	9.0	7.7	9.2	10.3	9.5	8.7	6.7	4.8	7.1
33	174.96	-40.83	1.5	1.2	1.7	1.7	2.7	2.7	3.4	3.7	3.5	3.5	2.7	1.8	2.5
34	174.95	-40.81	4.3	3.9	4.9	6.0	8.8	7.7	9.2	10.2	9.5	8.7	6.6	4.7	7.1
35	174.91	-40.81	4.8	4.4	5.8	6.9	10.1	8.7	10.1	11.2	10.4	9.5	7.3	5.2	7.9
36	174.87	-40.89	4.2	3.8	5.1	6.1	8.9	7.5	8.7	9.7	8.9	8.3	6.4	4.5	6.9
37	174.91	-40.91	3.9	3.6	4.8	5.8	8.4	7.0	8.1	9.0	8.3	7.7	5.9	4.2	6.4
38	174.87	-40.95	3.9	3.6	4.8	5.7	8.3	7.1	8.2	9.1	8.4	7.8	6.0	4.2	6.4
39	174.83	-41.03	3.7	3.3	4.5	5.3	7.8	6.6	7.6	8.5	7.7	7.2	5.6	3.9	6.0
40	174.76	-41.10	3.3	3.0	4.1	4.8	7.1	6.0	6.9	7.6	7.0	6.5	5.0	3.5	5.4
41	174.72	-41.17	3.0	2.7	3.7	4.3	6.4	5.3	6.1	6.8	6.2	5.8	4.5	3.2	4.8
42	174.63	-41.23	2.7	2.5	3.8	4.3	6.3	5.3	5.6	6.0	5.4	4.9	3.9	2.7	4.5
43	174.61	-41.31	1.9	1.5	2.3	2.5	4.2	2.6	3.3	4.0	3.9	3.7	3.0	2.0	2.9

Table A1.5. Monthly, and overall, mean values of the northward component of wave energy flux (kW/m) at each output site.

Site No.	longitude	latitude	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	All
1	174.098	-38.957	1.9	2.4	3.4	4.3	5.5	3.2	3.0	3.5	3.0	2.7	1.9	1.8	3.1
2	174.016	-39.010	1.9	2.4	3.4	4.3	5.5	3.1	3.0	3.4	2.9	2.6	1.9	1.8	3.0
3	173.938	-39.069	1.9	2.4	3.3	4.3	5.4	3.0	2.8	3.2	2.8	2.5	1.8	1.7	2.9
4	173.837	-39.118	1.9	2.4	3.3	4.3	5.5	3.0	2.8	3.2	2.8	2.5	1.8	1.7	2.9
5	173.758	-39.178	2.2	2.7	3.8	4.8	6.3	3.6	3.4	3.8	3.3	3.0	2.1	1.9	3.4
6	173.708	-39.248	3.5	4.0	6.1	7.3	10.0	7.8	7.1	6.9	5.8	5.0	3.6	3.0	5.9
7	173.706	-39.341	3.1	3.6	5.4	6.5	8.9	6.6	6.0	5.9	5.0	4.3	3.0	2.6	5.1
8	173.734	-39.419	3.1	3.6	5.5	6.5	8.8	6.8	6.0	6.0	5.0	4.2	3.0	2.6	5.1
9	173.801	-39.489	3.2	3.6	5.5	6.4	8.7	6.9	6.1	6.2	5.2	4.3	3.2	2.7	5.2
10	173.865	-39.559	3.4	3.8	6.0	7.0	9.5	8.0	7.0	6.9	5.7	4.8	3.4	2.9	5.7
11	173.887	-39.643	3.1	3.5	5.4	6.3	8.6	7.0	6.0	6.0	5.0	4.1	3.0	2.6	5.1
12	173.938	-39.724	3.1	3.4	5.4	6.3	8.6	7.1	6.1	6.0	5.1	4.1	3.0	2.6	5.1
13	173.977	-39.804	2.9	3.2	5.1	5.9	8.1	6.7	5.6	5.5	4.6	3.6	2.6	2.3	4.7
14	174.029	-39.887	3.0	3.3	5.3	6.1	8.4	7.1	5.9	5.8	4.9	3.8	2.8	2.4	4.9
15	174.082	-39.957	3.3	3.6	5.9	6.7	9.3	8.2	6.8	6.5	5.4	4.3	3.1	2.6	5.5
16	174.158	-39.996	3.2	3.5	5.8	6.7	9.3	8.3	6.8	6.4	5.3	4.2	3.0	2.6	5.4
17	174.284	-39.987	3.1	3.3	5.6	6.2	8.6	7.3	6.1	6.2	5.5	4.3	3.3	2.5	5.2
18	174.377	-39.955	3.4	3.5	5.9	6.5	9.2	7.9	6.6	6.7	5.9	4.6	3.5	2.7	5.6
19	174.493	-39.985	3.4	3.6	6.1	6.7	9.4	8.1	6.7	6.9	6.0	4.7	3.6	2.8	5.7
20	174.597	-40.004	3.5	3.6	6.2	6.8	9.6	8.3	6.9	7.0	6.1	4.8	3.7	2.8	5.8
21	174.713	-40.027	3.4	3.5	6.0	6.6	9.4	8.1	6.7	6.8	5.9	4.7	3.5	2.8	5.6
22	174.815	-40.076	3.5	3.6	6.3	6.9	9.8	8.6	7.0	7.1	6.1	4.9	3.7	2.9	5.9

23	174.907	-40.122	1.7	2.0	3.3	3.8	5.0	3.6	3.0	3.2	2.6	2.3	1.8	1.4	2.8
24	174.984	-40.168	1.8	2.0	3.4	3.8	5.1	3.7	3.0	3.2	2.6	2.3	1.8	1.5	2.9
25	175.096	-40.205	1.7	1.9	3.3	3.7	5.0	3.7	2.9	3.1	2.5	2.1	1.7	1.4	2.7
26	175.124	-40.284	1.6	1.8	3.2	3.6	4.9	3.6	2.8	3.0	2.4	2.0	1.6	1.3	2.7
27	175.165	-40.359	0.5	0.7	1.1	1.5	1.7	0.8	0.4	0.6	0.4	0.3	0.2	0.3	0.7
28	175.153	-40.452	0.4	0.7	1.1	1.4	1.6	0.8	0.4	0.6	0.3	0.2	0.1	0.3	0.6
29	175.114	-40.501	0.2	0.4	0.7	1.0	1.1	0.4	-0.1	0.1	-0.2	-0.3	-0.2	0.0	0.3
30	175.089	-40.580	0.0	0.3	0.6	0.8	0.9	0.2	-0.2	-0.1	-0.3	-0.5	-0.4	-0.1	0.1
31	175.065	-40.669	-0.1	0.2	0.4	0.6	0.6	0.0	-0.4	-0.4	-0.6	-0.7	-0.6	-0.3	-0.1
32	175.023	-40.750	-0.6	-0.3	-0.5	-0.3	-0.6	-0.9	-1.3	-1.3	-1.4	-1.5	-1.2	-0.8	-0.9
33	174.961	-40.826	-1.3	-1.1	-1.5	-1.4	-2.1	-2.3	-2.8	-3.1	-3.0	-3.0	-2.4	-1.5	-2.1
34	174.945	-40.806	-0.8	-0.6	-0.8	-0.6	-1.1	-1.5	-2.0	-2.1	-2.1	-2.2	-1.7	-1.0	-1.4
35	174.907	-40.808	-0.4	-0.1	0.0	0.3	0.2	-0.6	-1.1	-1.2	-1.3	-1.4	-1.1	-0.6	-0.6
36	174.866	-40.894	-0.2	0.0	0.1	0.4	0.4	-0.2	-0.6	-0.7	-0.8	-1.0	-0.9	-0.4	-0.3
37	174.907	-40.913	0.2	0.3	0.6	0.8	0.9	0.5	0.2	0.2	0.1	-0.1	-0.2	0.0	0.3
38	174.870	-40.953	-0.3	0.0	0.1	0.3	0.3	-0.3	-0.7	-0.8	-0.9	-1.1	-1.0	-0.5	-0.4
39	174.831	-41.031	-0.4	-0.2	0.0	0.2	0.2	-0.4	-0.8	-1.0	-1.1	-1.3	-1.1	-0.6	-0.6
40	174.758	-41.100	-0.4	-0.1	0.0	0.2	0.3	-0.3	-0.7	-0.8	-0.9	-1.1	-1.0	-0.6	-0.5
41	174.719	-41.168	-0.3	-0.1	0.1	0.2	0.4	-0.1	-0.4	-0.5	-0.7	-0.9	-0.9	-0.5	-0.3
42	174.631	-41.227	1.0	1.1	2.4	2.6	4.0	3.1	2.5	2.3	1.8	1.3	0.9	0.7	2.0
43	174.611	-41.314	3.5	3.4	6.7	7.1	10.5	10.9	8.9	7.9	6.3	4.8	3.4	2.6	6.3

Table A1.6. Monthly, and overall, mean values of the magnitude of wave energy flux (kW/m) at each output site.

Site No.	longitude	latitude	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	All
1	174.098	-38.957	9.5	9.6	12.8	15.1	21.6	17.8	20.5	22.6	20.7	18.6	14.1	10.1	16.1
2	174.016	-39.010	9.6	9.7	12.9	15.2	21.7	17.9	20.6	22.7	20.8	18.7	14.2	10.1	16.2
3	173.938	-39.069	9.7	9.7	13.0	15.3	21.9	18.0	20.8	22.9	21.0	18.9	14.4	10.3	16.4
4	173.837	-39.118	9.8	9.9	13.2	15.5	22.2	18.2	21.1	23.2	21.2	19.2	14.5	10.4	16.6
5	173.758	-39.178	10.1	10.1	13.6	16.0	23.0	18.8	21.7	23.8	21.8	19.7	15.0	10.7	17.1
6	173.708	-39.248	10.7	10.6	14.8	17.1	24.6	20.8	23.1	24.8	22.7	20.4	15.4	11.1	18.1
7	173.706	-39.341	10.4	10.4	14.3	16.6	24.0	20.0	22.5	24.3	22.3	20.0	15.1	10.9	17.6
8	173.734	-39.419	10.3	10.2	14.0	16.4	23.6	19.8	22.2	23.9	22.0	19.7	14.9	10.7	17.4
9	173.801	-39.489	10.0	9.9	13.6	15.9	22.9	19.3	21.5	23.3	21.4	19.1	14.4	10.4	16.9
10	173.865	-39.559	10.0	9.8	13.7	16.0	23.0	19.6	21.7	23.2	21.3	19.0	14.3	10.3	16.9
11	173.887	-39.643	9.7	9.5	13.2	15.4	22.2	18.9	20.9	22.6	20.8	18.5	14.0	10.1	16.4
12	173.938	-39.724	9.6	9.3	13.0	15.2	21.9	18.6	20.6	22.1	20.4	18.1	13.7	9.9	16.1
13	173.977	-39.804	9.3	9.0	12.5	14.6	21.1	18.1	20.0	21.5	19.8	17.6	13.2	9.6	15.5
14	174.029	-39.887	9.3	9.0	12.5	14.6	21.1	18.2	19.9	21.4	19.7	17.5	13.1	9.5	15.5
15	174.082	-39.957	9.3	9.0	12.8	14.9	21.5	18.8	20.3	21.6	19.8	17.5	13.2	9.6	15.7
16	174.158	-39.996	9.0	8.6	12.5	14.4	20.8	18.4	19.7	20.9	19.1	16.9	12.7	9.2	15.2
17	174.284	-39.987	8.7	8.4	11.9	13.9	20.2	17.3	18.6	20.0	18.6	16.2	12.2	8.9	14.6
18	174.377	-39.955	8.8	8.5	12.1	14.1	20.6	17.7	18.9	20.4	18.9	16.4	12.4	9.0	14.9
19	174.493	-39.985	8.9	8.5	12.3	14.2	20.8	17.9	19.1	20.5	19.0	16.4	12.4	9.0	15.0
20	174.597	-40.004	9.0	8.6	12.4	14.4	21.0	18.1	19.2	20.6	19.1	16.5	12.5	9.1	15.1
21	174.713	-40.027	8.9	8.5	12.3	14.2	20.8	17.9	19.1	20.5	18.9	16.4	12.3	9.0	14.9
22	174.815	-40.076	8.9	8.5	12.4	14.3	21.0	18.2	19.2	20.5	18.9	16.4	12.3	9.0	15.0

23	174.907	-40.122	7.7	7.4	10.2	12.1	17.6	14.7	16.6	18.1	16.5	14.8	11.2	8.1	12.9
24	174.984	-40.168	7.7	7.4	10.2	12.0	17.5	14.6	16.5	17.9	16.4	14.7	11.1	8.0	12.9
25	175.096	-40.205	7.5	7.1	9.9	11.7	17.1	14.4	16.1	17.5	16.0	14.3	10.8	7.8	12.6
26	175.124	-40.284	7.4	7.0	9.8	11.6	16.8	14.2	15.9	17.3	15.7	14.1	10.6	7.7	12.4
27	175.165	-40.359	6.6	6.2	8.1	9.9	14.3	12.1	14.1	15.6	14.4	12.9	9.7	7.1	10.9
28	175.153	-40.452	6.6	6.2	8.1	9.9	14.3	12.1	14.1	15.7	14.4	13.0	9.7	7.1	11.0
29	175.114	-40.501	6.0	5.6	7.3	8.9	12.9	11.0	13.0	14.3	13.2	11.9	9.0	6.5	10.0
30	175.089	-40.580	5.9	5.4	7.1	8.6	12.7	10.8	12.7	14.0	12.9	11.7	8.8	6.4	9.8
31	175.065	-40.669	5.8	5.3	6.9	8.4	12.3	10.5	12.5	13.7	12.6	11.5	8.6	6.2	9.6
32	175.023	-40.750	4.5	4.1	5.2	6.3	9.2	8.0	9.6	10.6	9.9	9.1	7.0	5.0	7.4
33	174.961	-40.826	2.0	1.6	2.3	2.2	3.5	3.6	4.5	4.9	4.6	4.6	3.7	2.4	3.3
34	174.945	-40.806	4.5	4.1	5.3	6.2	9.2	8.2	9.8	10.9	10.1	9.4	7.2	5.0	7.5
35	174.907	-40.808	5.0	4.6	6.2	7.2	10.6	9.2	10.8	12.0	11.0	10.2	7.8	5.5	8.4
36	174.866	-40.894	4.4	4.0	5.5	6.4	9.4	8.0	9.3	10.3	9.4	8.8	6.9	4.8	7.3
37	174.907	-40.913	4.0	3.7	5.0	6.0	8.7	7.3	8.4	9.3	8.5	7.9	6.1	4.4	6.6
38	174.870	-40.953	4.2	3.8	5.2	6.0	8.8	7.6	8.8	9.7	8.9	8.3	6.5	4.5	6.9
39	174.831	-41.031	4.0	3.5	5.0	5.6	8.3	7.2	8.3	9.2	8.3	7.8	6.1	4.2	6.5
40	174.758	-41.100	3.6	3.2	4.6	5.2	7.6	6.6	7.5	8.3	7.5	7.1	5.5	3.8	5.9
41	174.719	-41.168	3.2	2.9	4.1	4.6	6.8	5.8	6.6	7.3	6.7	6.3	5.0	3.5	5.2
42	174.631	-41.227	3.4	3.1	5.1	5.6	8.2	7.0	7.1	7.5	6.6	6.1	4.8	3.3	5.7
43	174.611	-41.314	5.1	4.6	8.4	8.9	13.1	13.2	11.8	11.3	9.7	8.3	6.4	4.5	8.8

Table A1.7. Monthly, and overall, mean values of the onshore component of wave energy flux (kW/m) at each output site. This is defined assuming the nominal offshore direction (column 4) associated with a mean coastal orientation estimated by linear regression applied to the nearby coastline. The positive longshore direction is defined as to the left for an observer facing shoreward.

Site No.	longitude	latitude	Offshore Direction (°T)	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	All
1	174.098	-38.957	331	2.5	2.1	2.6	2.9	4.8	5.1	6.5	7.1	6.7	6.0	4.6	2.9	4.5
2	174.016	-39.010	335	2.0	1.5	1.8	1.9	3.4	4.1	5.4	5.7	5.5	4.9	3.8	2.4	3.6
3	173.938	-39.069	324	3.7	3.3	4.2	4.8	7.4	7.3	9.0	9.8	9.2	8.2	6.3	4.2	6.5
4	173.837	-39.118	324	3.8	3.4	4.3	4.9	7.6	7.4	9.2	10.0	9.4	8.4	6.5	4.3	6.6
5	173.758	-39.178	308	6.0	5.7	7.4	8.6	12.8	11.4	13.7	15.0	14.0	12.5	9.6	6.6	10.3
6	173.708	-39.248	286	7.7	7.6	9.7	11.6	16.9	13.5	16.5	18.5	17.5	15.7	12.0	8.5	13.0
7	173.706	-39.341	258	9.5	9.5	12.6	15.1	21.7	17.4	20.1	22.0	20.5	18.2	13.8	10.0	15.9
8	173.734	-39.419	244	9.4	9.5	12.7	15.3	21.8	17.4	19.7	21.5	19.8	17.6	13.3	9.7	15.7
9	173.801	-39.489	228	8.6	8.8	11.9	14.3	20.3	16.2	17.8	19.3	17.7	15.6	11.8	8.8	14.3
10	173.865	-39.559	224	8.3	8.5	11.7	13.9	19.7	16.0	17.3	18.6	16.9	14.9	11.2	8.3	13.8
11	173.887	-39.643	211	6.9	7.2	10.1	12.0	16.9	13.7	14.3	15.3	13.8	12.0	9.0	6.8	11.5
12	173.938	-39.724	204	6.1	6.4	9.2	10.8	15.3	12.4	12.6	13.3	12.0	10.3	7.7	5.9	10.2
13	173.977	-39.804	210	6.3	6.5	9.2	11.0	15.5	12.8	13.1	13.9	12.5	10.8	8.1	6.2	10.5
14	174.029	-39.887	211	6.5	6.7	9.6	11.3	16.1	13.2	13.5	14.4	13.0	11.2	8.4	6.4	10.9
15	174.082	-39.957	210	6.6	6.7	9.7	11.5	16.3	13.7	13.8	14.5	12.9	11.1	8.3	6.3	11.0
16	174.158	-39.996	210	6.3	6.4	9.5	11.1	15.9	13.4	13.4	13.9	12.4	10.6	8.0	6.1	10.6
17	174.284	-39.987	210	6.4	6.4	9.4	11.0	15.7	13.1	13.2	14.0	12.8	10.9	8.3	6.1	10.6
18	174.377	-39.955	214	6.9	6.8	10.1	11.7	16.7	14.0	14.2	15.2	13.8	11.8	8.9	6.6	11.4
19	174.493	-39.985	203	6.1	6.1	9.3	10.6	15.2	12.8	12.4	13.2	11.9	10.0	7.6	5.7	10.1

20	174.597	-40.004	200	5.8	5.9	9.1	10.3	14.8	12.5	12.0	12.6	11.3	9.5	7.2	5.4	9.7
21	174.713	-40.027	206	6.3	6.2	9.5	10.9	15.6	13.2	12.9	13.7	12.3	10.5	7.9	5.9	10.4
22	174.815	-40.076	220	7.4	7.2	10.8	12.4	17.9	15.2	15.4	16.4	14.8	12.8	9.7	7.2	12.3
23	174.907	-40.122	230	6.6	6.5	9.1	10.8	15.4	12.5	13.7	14.9	13.6	12.1	9.2	6.7	10.9
24	174.984	-40.168	243	7.1	7.0	9.6	11.4	16.5	13.5	15.0	16.4	15.0	13.4	10.1	7.4	11.9
25	175.096	-40.205	253	7.1	6.8	9.3	11.2	16.2	13.5	15.1	16.5	15.1	13.5	10.2	7.4	11.8
26	175.124	-40.284	263	7.0	6.6	8.9	10.8	15.6	13.1	14.9	16.3	15.0	13.4	10.1	7.3	11.6
27	175.165	-40.359	270	6.4	6.0	7.8	9.6	13.9	11.7	13.7	15.2	14.0	12.6	9.4	6.9	10.6
28	175.153	-40.452	277	6.3	5.9	7.6	9.4	13.6	11.5	13.6	15.0	13.9	12.5	9.4	6.8	10.5
29	175.114	-40.501	281	5.7	5.3	6.8	8.3	12.1	10.4	12.4	13.6	12.6	11.4	8.6	6.2	9.5
30	175.089	-40.580	286	5.5	5.0	6.4	7.9	11.6	10.0	12.0	13.2	12.2	11.1	8.3	6.0	9.1
31	175.065	-40.669	290	5.3	4.8	6.1	7.4	11.0	9.6	11.5	12.6	11.8	10.7	8.1	5.8	8.7
32	175.023	-40.750	309	3.8	3.3	4.2	5.0	7.4	6.6	8.0	8.8	8.3	7.7	5.9	4.2	6.1
33	174.961	-40.826	232	0.4	0.3	0.4	0.5	0.8	0.7	0.9	1.0	0.9	0.9	0.7	0.5	0.7
34	174.945	-40.806	185	-0.5	-0.2	-0.4	-0.1	-0.4	-0.9	-1.2	-1.2	-1.3	-1.4	-1.2	-0.6	-0.8
35	174.907	-40.808	311	3.8	3.4	4.4	5.0	7.6	6.9	8.4	9.3	8.7	8.1	6.2	4.3	6.4
36	174.866	-40.894	215	2.2	2.2	3.1	3.8	5.5	4.1	4.5	5.0	4.5	3.9	2.9	2.2	3.7
37	174.907	-40.913	322	2.3	1.9	2.5	2.9	4.4	3.9	4.8	5.4	5.0	4.8	3.8	2.6	3.7
38	174.870	-40.953	284	3.9	3.5	4.7	5.5	8.0	6.9	8.1	9.0	8.3	7.8	6.1	4.2	6.4
39	174.831	-41.031	315	2.9	2.4	3.2	3.6	5.3	5.0	6.0	6.7	6.2	6.0	4.7	3.2	4.6
40	174.758	-41.100	285	3.3	2.9	4.0	4.6	6.8	5.9	6.8	7.6	7.0	6.5	5.1	3.6	5.3
41	174.719	-41.168	311	2.5	2.1	2.8	3.1	4.6	4.1	4.9	5.5	5.1	5.0	4.0	2.8	3.9
42	174.631	-41.227	326	0.7	0.5	0.2	0.3	0.3	0.4	1.1	1.5	1.6	1.7	1.4	1.0	0.9
43	174.611	-41.314	246	3.2	2.8	4.9	5.2	8.1	6.9	6.7	6.9	6.1	5.3	4.2	2.9	5.3

Table A1.8. Monthly, and overall, mean values of the longshore component of wave energy flux (kW/m) at each output site. This is defined assuming the nominal offshore direction (column 4) associated with a mean coastal orientation estimated by linear regression applied to the nearby coastline. The positive longshore direction is defined as to the left for an observer facing shoreward.

Site No.	longitude	latitude	Offshore Direction (°T)	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	All
1	174.098	-38.957	331	8.7	9.0	11.9	14.4	20.3	16.0	18.3	20.2	18.5	16.5	12.5	9.1	14.6
2	174.016	-39.010	335	8.9	9.1	12.1	14.6	20.6	16.3	18.7	20.6	19.0	17.0	12.8	9.3	15.0
3	173.938	-39.069	324	8.4	8.7	11.6	14.0	19.7	15.3	17.5	19.2	17.7	15.8	11.9	8.8	14.1
4	173.837	-39.118	324	8.5	8.8	11.7	14.1	19.9	15.4	17.6	19.3	17.8	15.9	12.0	8.8	14.2
5	173.758	-39.178	308	7.4	7.8	10.5	12.8	17.9	13.3	15.0	16.4	15.0	13.5	10.1	7.6	12.3
6	173.708	-39.248	286	5.8	6.3	9.1	10.8	15.1	11.9	12.0	12.4	10.9	9.6	7.1	5.5	9.7
7	173.706	-39.341	258	1.2	1.7	2.9	3.5	4.6	3.2	2.0	1.5	0.9	0.6	0.3	0.6	1.9
8	173.734	-39.419	244	-1.0	-0.6	-0.1	-0.2	-0.8	-0.9	-2.8	-3.7	-4.0	-3.8	-3.1	-1.8	-1.9
9	173.801	-39.489	228	-3.4	-3.0	-3.3	-4.1	-6.4	-5.2	-7.6	-8.9	-8.8	-8.1	-6.3	-4.2	-5.8
10	173.865	-39.559	224	-3.7	-3.3	-3.5	-4.5	-6.9	-5.2	-8.0	-9.5	-9.4	-8.7	-6.7	-4.5	-6.2
11	173.887	-39.643	211	-5.5	-5.2	-6.3	-7.7	-11.4	-9.2	-12.0	-13.7	-13.1	-11.9	-9.1	-6.3	-9.3
12	173.938	-39.724	204	-6.1	-5.8	-7.1	-8.7	-12.9	-10.3	-13.2	-14.9	-14.2	-12.9	-9.8	-6.9	-10.3
13	173.977	-39.804	210	-5.4	-5.0	-6.0	-7.4	-11.0	-8.8	-11.6	-13.3	-12.7	-11.6	-8.9	-6.2	-9.0
14	174.029	-39.887	211	-5.1	-4.7	-5.6	-6.9	-10.3	-8.2	-10.9	-12.6	-12.1	-11.1	-8.5	-5.9	-8.5
15	174.082	-39.957	210	-4.9	-4.6	-5.3	-6.6	-9.8	-7.5	-10.4	-12.2	-11.8	-10.8	-8.3	-5.8	-8.2
16	174.158	-39.996	210	-4.6	-4.2	-4.8	-6.0	-9.0	-6.9	-9.7	-11.4	-11.1	-10.2	-7.8	-5.4	-7.6
17	174.284	-39.987	210	-4.7	-4.4	-5.1	-6.5	-9.7	-7.8	-10.4	-11.7	-11.0	-10.2	-7.7	-5.5	-7.9
18	174.377	-39.955	214	-4.2	-3.9	-4.4	-5.7	-8.4	-6.8	-9.3	-10.6	-10.0	-9.3	-7.0	-5.0	-7.1
19	174.493	-39.985	203	-5.4	-5.1	-6.1	-7.7	-11.3	-9.2	-11.7	-13.1	-12.3	-11.3	-8.5	-6.1	-9.0
20	174.597	-40.004	200	-5.7	-5.4	-6.6	-8.2	-12.0	-9.8	-12.4	-13.8	-12.9	-11.8	-8.9	-6.4	-9.5

21	174.713	-40.027	206	-5.1	-4.8	-5.7	-7.2	-10.6	-8.6	-11.2	-12.6	-11.8	-10.8	-8.2	-5.8	-8.6
22	174.815	-40.076	220	-3.3	-3.0	-3.0	-4.1	-6.1	-4.9	-7.4	-8.6	-8.2	-7.7	-5.8	-4.1	-5.5
23	174.907	-40.122	230	-3.3	-2.9	-3.4	-4.2	-6.5	-5.9	-7.7	-8.6	-8.2	-7.3	-5.5	-3.8	-5.6
24	174.984	-40.168	243	-1.6	-1.3	-1.0	-1.5	-2.6	-2.6	-4.2	-4.7	-4.6	-4.2	-3.1	-2.1	-2.8
25	175.096	-40.205	253	-0.5	-0.2	0.5	0.4	0.1	-0.4	-1.7	-2.0	-2.2	-2.0	-1.5	-0.9	-0.9
26	175.124	-40.284	263	0.8	1.0	2.1	2.3	3.0	2.0	1.0	1.0	0.5	0.4	0.3	0.4	1.2
27	175.165	-40.359	270	0.5	0.8	1.2	1.5	1.8	0.9	0.5	0.8	0.5	0.4	0.2	0.4	0.8
28	175.153	-40.452	277	1.3	1.5	2.1	2.6	3.4	2.3	2.2	2.5	2.1	1.8	1.3	1.2	2.0
29	175.114	-40.501	281	1.3	1.4	2.0	2.6	3.4	2.4	2.3	2.7	2.3	1.9	1.4	1.2	2.1
30	175.089	-40.580	286	1.6	1.7	2.4	3.0	4.1	3.0	3.1	3.5	3.0	2.6	1.9	1.5	2.6
31	175.065	-40.669	290	1.8	1.9	2.7	3.4	4.7	3.5	3.7	4.2	3.7	3.2	2.3	1.8	3.1
32	175.023	-40.750	309	2.3	2.2	2.8	3.6	5.2	4.2	4.8	5.5	5.0	4.4	3.3	2.4	3.8
33	174.961	-40.826	232	-1.9	-1.6	-2.2	-2.1	-3.4	-3.5	-4.3	-4.7	-4.5	-4.5	-3.5	-2.3	-3.2
34	174.945	-40.806	185	-4.3	-3.9	-5.0	-6.0	-8.9	-7.8	-9.3	-10.4	-9.6	-8.9	-6.8	-4.8	-7.2
35	174.907	-40.808	311	2.8	2.8	3.8	4.7	6.7	5.2	5.8	6.4	5.8	5.2	3.9	2.9	4.7
36	174.866	-40.894	215	-3.6	-3.1	-4.1	-4.8	-7.0	-6.3	-7.5	-8.3	-7.8	-7.3	-5.8	-4.0	-5.8
37	174.907	-40.913	322	3.2	3.0	4.2	5.0	7.2	5.8	6.6	7.3	6.6	6.0	4.6	3.3	5.2
38	174.870	-40.953	284	0.7	0.8	1.2	1.6	2.2	1.3	1.2	1.3	1.1	0.8	0.5	0.5	1.1
39	174.831	-41.031	315	2.3	2.2	3.2	3.9	5.7	4.4	4.8	5.3	4.7	4.2	3.2	2.3	3.9
40	174.758	-41.100	285	0.5	0.6	1.1	1.5	2.1	1.3	1.2	1.2	0.9	0.6	0.3	0.4	1.0
41	174.719	-41.168	311	1.7	1.7	2.5	3.0	4.4	3.4	3.7	4.0	3.5	3.1	2.3	1.7	2.9
42	174.631	-41.227	326	2.8	2.7	4.5	5.0	7.4	6.1	6.0	6.3	5.5	4.8	3.7	2.6	4.8
43	174.611	-41.314	246	2.4	2.5	5.1	5.4	7.9	8.9	6.8	5.5	4.2	2.8	1.9	1.5	4.6

Table A1.9 Tidal constituent amplitudes Z_n (metres) for sea level.

			Period (hours):	12.4206	12.0000	12.6583	11.9672	23.9345	25.8194	24.0659	26.8684
Site No.	longitude	latitude	net	M2	S2	N2	K2	K1	O1	P1	Q1
7	174.098	-38.957	1.336	1.257	0.355	0.251	0.092	0.081	0.027	0.027	0.004
8	174.016	-39.010	1.333	1.252	0.361	0.250	0.094	0.078	0.027	0.026	0.005
9	173.938	-39.069	1.328	1.245	0.366	0.249	0.095	0.076	0.027	0.025	0.005
10	173.837	-39.118	1.317	1.234	0.371	0.246	0.097	0.073	0.027	0.025	0.006
11	173.758	-39.178	1.295	1.211	0.371	0.240	0.097	0.067	0.025	0.023	0.006
12	173.708	-39.248	1.269	1.184	0.372	0.234	0.098	0.062	0.023	0.021	0.006
13	173.706	-39.341	1.240	1.156	0.370	0.226	0.097	0.056	0.020	0.019	0.006
14	173.734	-39.419	1.204	1.120	0.366	0.217	0.097	0.051	0.018	0.017	0.006
15	173.801	-39.489	1.168	1.085	0.362	0.208	0.096	0.046	0.015	0.016	0.006
16	173.865	-39.559	1.134	1.052	0.359	0.200	0.095	0.043	0.014	0.015	0.005
17	173.887	-39.643	1.103	1.020	0.358	0.194	0.095	0.041	0.014	0.014	0.006
18	173.938	-39.724	1.092	1.008	0.359	0.192	0.096	0.040	0.016	0.014	0.006
19	173.977	-39.804	1.055	0.971	0.354	0.184	0.095	0.037	0.015	0.013	0.006
20	174.029	-39.887	1.027	0.943	0.351	0.178	0.094	0.034	0.015	0.012	0.006
21	174.082	-39.957	1.001	0.917	0.348	0.172	0.094	0.032	0.015	0.011	0.006
22	174.158	-39.996	0.974	0.890	0.344	0.167	0.093	0.029	0.014	0.011	0.006
23	174.284	-39.987	0.951	0.868	0.340	0.162	0.092	0.027	0.014	0.010	0.006

24	174.377	-39.955	0.933	0.850	0.337	0.158	0.091	0.026	0.014	0.009	0.006
25	174.493	-39.985	0.918	0.836	0.335	0.155	0.090	0.024	0.014	0.009	0.007
26	174.597	-40.004	0.900	0.818	0.331	0.152	0.089	0.023	0.014	0.009	0.007
27	174.713	-40.027	0.882	0.800	0.327	0.148	0.088	0.022	0.014	0.008	0.007
28	174.815	-40.076	0.858	0.777	0.321	0.143	0.087	0.020	0.014	0.008	0.007
29	174.907	-40.122	0.840	0.760	0.317	0.140	0.086	0.019	0.014	0.007	0.007
30	174.984	-40.168	0.810	0.731	0.310	0.133	0.084	0.017	0.014	0.007	0.007
31	175.096	-40.205	0.770	0.692	0.301	0.126	0.082	0.015	0.014	0.006	0.007
32	175.124	-40.284	0.724	0.648	0.290	0.117	0.079	0.012	0.014	0.005	0.007
33	175.165	-40.359	0.672	0.597	0.278	0.106	0.076	0.009	0.014	0.004	0.007
34	175.153	-40.452	0.681	0.607	0.280	0.107	0.077	0.009	0.014	0.004	0.007
35	175.114	-40.501	0.669	0.596	0.276	0.104	0.076	0.009	0.013	0.004	0.007
36	175.089	-40.580	0.582	0.511	0.255	0.086	0.070	0.006	0.014	0.002	0.007
37	175.065	-40.669	0.579	0.507	0.256	0.086	0.071	0.005	0.015	0.002	0.007
38	175.023	-40.750	0.542	0.471	0.246	0.078	0.068	0.006	0.015	0.001	0.007
39	174.961	-40.826	0.475	0.405	0.230	0.064	0.064	0.008	0.016	0.001	0.007
40	174.945	-40.806	0.390	0.320	0.208	0.045	0.058	0.015	0.017	0.003	0.008
41	174.907	-40.808	0.329	0.258	0.192	0.032	0.055	0.018	0.019	0.004	0.008
42	174.866	-40.894	0.245	0.168	0.168	0.013	0.049	0.023	0.021	0.006	0.008
43	174.907	-40.913	0.211	0.166	0.104	0.049	0.033	0.040	0.029	0.012	0.010

Table A1.10. Tidal constituent phases $\phi_n^{(z)} Z_n$ (degrees) for sea level.

			Period (hours):	12.4206	12.0000	12.6583	11.9672	23.9345	25.8194	24.0659	26.8684
Site No.	longitude	latitude	net	M2	S2	N2	K2	K1	O1	P1	Q1
7	174.098	-38.957	N/A	296	324	284	321	60	45	56	112
8	174.016	-39.010	N/A	297	325	285	322	64	53	60	119
9	173.938	-39.069	N/A	298	326	286	323	68	59	64	124
10	173.837	-39.118	N/A	299	327	288	324	71	65	67	128
11	173.758	-39.178	N/A	300	328	289	325	73	72	69	136
12	173.708	-39.248	N/A	300	329	290	327	74	78	71	143
13	173.706	-39.341	N/A	300	330	290	328	74	82	71	149
14	173.734	-39.419	N/A	300	331	290	329	72	87	70	156
15	173.801	-39.489	N/A	299	331	290	329	69	90	67	161
16	173.865	-39.559	N/A	299	332	291	330	67	93	66	164
17	173.887	-39.643	N/A	300	333	292	331	69	97	68	166
18	173.938	-39.724	N/A	301	333	294	331	74	101	72	165
19	173.977	-39.804	N/A	301	334	294	332	75	107	73	168
20	174.029	-39.887	N/A	302	335	295	333	75	111	75	170
21	174.082	-39.957	N/A	302	335	296	334	77	116	76	173
22	174.158	-39.996	N/A	302	336	297	334	77	121	77	175

23	174.284	-39.987	N/A	302	336	298	335	77	124	77	177
24	174.377	-39.955	N/A	303	337	298	335	77	127	78	178
25	174.493	-39.985	N/A	303	337	299	336	79	130	80	179
26	174.597	-40.004	N/A	303	338	299	336	78	133	80	180
27	174.713	-40.027	N/A	303	338	300	337	79	135	81	182
28	174.815	-40.076	N/A	303	338	300	337	78	138	81	183
29	174.907	-40.122	N/A	303	338	300	337	76	140	80	184
30	174.984	-40.168	N/A	303	339	301	338	75	144	80	185
31	175.096	-40.205	N/A	303	339	302	338	75	148	82	187
32	175.124	-40.284	N/A	303	340	302	339	72	153	82	189
33	175.165	-40.359	N/A	301	340	303	339	62	160	79	192
34	175.153	-40.452	N/A	301	339	302	339	61	159	78	192
35	175.114	-40.501	N/A	300	339	301	338	50	162	71	193
36	175.089	-40.580	N/A	298	339	301	339	5	173	55	198
37	175.065	-40.669	N/A	299	340	303	339	11	172	69	197
38	175.023	-40.750	N/A	298	340	303	340	341	176	43	199
39	174.961	-40.826	N/A	295	340	305	340	311	182	303	202
40	174.945	-40.806	N/A	288	339	305	340	298	191	283	207
41	174.907	-40.808	N/A	284	340	311	341	291	195	275	209
42	174.866	-40.894	N/A	268	341	342	342	284	199	269	212
43	174.907	-40.913	N/A	158	347	96	350	269	204	256	217

Table A1.11. Tidal constituent amplitudes U_n (ms^{-1}) for the eastward component of the current.

			Period (hours):	12.4206	12.0000	12.6583	11.9672	23.9345	25.8194	24.0659	26.8684
Site No.	longitude	latitude	net	M2	S2	N2	K2	K1	O1	P1	Q1
7	174.098	-38.957	N/A	0.021	0.011	0.007	0.003	0.015	0.009	0.005	0.002
8	174.016	-39.010	N/A	0.063	0.026	0.019	0.008	0.035	0.021	0.012	0.005
9	173.938	-39.069	N/A	0.089	0.034	0.027	0.010	0.041	0.025	0.013	0.006
10	173.837	-39.118	N/A	0.108	0.037	0.033	0.011	0.045	0.026	0.015	0.006
11	173.758	-39.178	N/A	0.123	0.039	0.037	0.012	0.052	0.030	0.017	0.007
12	173.708	-39.248	N/A	0.131	0.033	0.038	0.010	0.051	0.029	0.017	0.007
13	173.706	-39.341	N/A	0.151	0.026	0.041	0.009	0.053	0.029	0.017	0.007
14	173.734	-39.419	N/A	0.190	0.022	0.048	0.007	0.058	0.032	0.019	0.007
15	173.801	-39.489	N/A	0.234	0.024	0.057	0.007	0.063	0.034	0.021	0.008
16	173.865	-39.559	N/A	0.255	0.028	0.061	0.008	0.062	0.033	0.020	0.008
17	173.887	-39.643	N/A	0.234	0.027	0.056	0.007	0.055	0.029	0.018	0.007
18	173.938	-39.724	N/A	0.206	0.025	0.049	0.007	0.052	0.027	0.017	0.006
19	173.977	-39.804	N/A	0.194	0.025	0.046	0.007	0.043	0.022	0.014	0.005
20	174.029	-39.887	N/A	0.161	0.021	0.038	0.005	0.034	0.018	0.011	0.004
21	174.082	-39.957	N/A	0.125	0.017	0.029	0.004	0.027	0.014	0.009	0.003
22	174.158	-39.996	N/A	0.107	0.014	0.025	0.004	0.022	0.012	0.007	0.003
23	174.284	-39.987	N/A	0.082	0.011	0.019	0.003	0.017	0.009	0.005	0.002

24	174.377	-39.955	N/A	0.058	0.007	0.014	0.002	0.011	0.006	0.004	0.001
25	174.493	-39.985	N/A	0.026	0.004	0.006	0.001	0.006	0.003	0.002	0.001
26	174.597	-40.004	N/A	0.014	0.002	0.004	0.001	0.004	0.002	0.001	0.000
27	174.713	-40.027	N/A	0.012	0.006	0.003	0.002	0.001	0.001	0.000	0.000
28	174.815	-40.076	N/A	0.037	0.011	0.008	0.003	0.004	0.002	0.001	0.000
29	174.907	-40.122	N/A	0.047	0.014	0.010	0.004	0.004	0.002	0.001	0.000
30	174.984	-40.168	N/A	0.064	0.018	0.013	0.005	0.006	0.003	0.002	0.001
31	175.096	-40.205	N/A	0.087	0.023	0.018	0.006	0.008	0.004	0.003	0.001
32	175.124	-40.284	N/A	0.114	0.028	0.023	0.007	0.012	0.006	0.004	0.001
33	175.165	-40.359	N/A	0.069	0.017	0.015	0.004	0.002	0.001	0.001	0.000
34	175.153	-40.452	N/A	0.137	0.035	0.026	0.009	0.008	0.005	0.003	0.001
35	175.114	-40.501	N/A	0.260	0.063	0.055	0.016	0.031	0.015	0.010	0.003
36	175.089	-40.580	N/A	0.065	0.010	0.014	0.002	0.017	0.008	0.006	0.002
37	175.065	-40.669	N/A	0.252	0.061	0.053	0.016	0.025	0.012	0.008	0.003
38	175.023	-40.750	N/A	0.224	0.053	0.046	0.013	0.026	0.012	0.008	0.003
39	174.961	-40.826	N/A	0.335	0.076	0.069	0.019	0.042	0.020	0.014	0.004
40	174.945	-40.806	N/A	0.068	0.011	0.010	0.003	0.006	0.003	0.002	0.001
41	174.907	-40.808	N/A	0.376	0.083	0.077	0.021	0.030	0.014	0.010	0.003
42	174.866	-40.894	N/A	0.636	0.136	0.122	0.034	0.052	0.024	0.017	0.005
43	174.907	-40.913	N/A	0.611	0.123	0.109	0.031	0.043	0.019	0.014	0.004

Table A1.12. Tidal constituent phases $\phi_n^{(u)}$ (degrees) for the eastward component of the current.

			Period (hours):	12.4206	12.0000	12.6583	11.9672	23.9345	25.8194	24.0659	26.8684
Site No.	longitude	latitude	net	M2	S2	N2	K2	K1	O1	P1	Q1
7	174.098	-38.957	N/A	287	266	281	262	67	34	58	47
8	174.016	-39.010	N/A	306	273	290	267	78	43	70	55
9	173.938	-39.069	N/A	315	274	295	268	83	47	75	61
10	173.837	-39.118	N/A	326	276	302	269	82	44	73	59
11	173.758	-39.178	N/A	347	287	320	280	106	68	98	85
12	173.708	-39.248	N/A	4	297	334	289	121	82	112	101
13	173.706	-39.341	N/A	20	313	349	302	136	97	127	117
14	173.734	-39.419	N/A	32	341	2	323	148	110	140	130
15	173.801	-39.489	N/A	37	7	9	344	158	120	149	141
16	173.865	-39.559	N/A	38	20	12	359	163	126	155	148
17	173.887	-39.643	N/A	38	23	12	3	161	124	153	146
18	173.938	-39.724	N/A	39	26	14	7	160	123	152	145
19	173.977	-39.804	N/A	37	27	12	9	165	128	157	151
20	174.029	-39.887	N/A	38	28	13	11	166	130	158	153
21	174.082	-39.957	N/A	39	29	14	12	169	133	160	156
22	174.158	-39.996	N/A	39	29	14	12	171	135	163	159

23	174.284	-39.987	N/A	43	36	18	19	178	142	169	166
24	174.377	-39.955	N/A	41	32	17	14	178	143	170	167
25	174.493	-39.985	N/A	27	355	2	341	163	126	154	150
26	174.597	-40.004	N/A	36	324	6	312	171	134	162	157
27	174.713	-40.027	N/A	227	252	220	250	143	93	132	113
28	174.815	-40.076	N/A	216	241	204	238	354	326	347	356
29	174.907	-40.122	N/A	221	244	208	241	8	341	1	12
30	174.984	-40.168	N/A	212	237	198	233	340	309	333	337
31	175.096	-40.205	N/A	211	235	194	231	337	306	330	334
32	175.124	-40.284	N/A	209	233	193	229	333	300	325	327
33	175.165	-40.359	N/A	217	233	189	229	250	233	244	280
34	175.153	-40.452	N/A	197	230	184	228	40	0	31	25
35	175.114	-40.501	N/A	219	242	203	237	352	320	345	347
36	175.089	-40.580	N/A	80	108	49	105	151	110	143	131
37	175.065	-40.669	N/A	213	235	194	231	336	304	328	331
38	175.023	-40.750	N/A	210	233	191	229	329	294	321	320
39	174.961	-40.826	N/A	221	242	201	237	348	315	341	341
40	174.945	-40.806	N/A	124	146	89	143	129	79	120	98
41	174.907	-40.808	N/A	204	226	182	221	309	277	302	303
42	174.866	-40.894	N/A	196	217	174	212	315	283	308	309
43	174.907	-40.913	N/A	8	25	341	20	100	65	93	90

Table A1.13. Tidal constituent amplitudes V_n (ms^{-1}) for the northward component of the current.

			Period (hours):	12.4206	12.0000	12.6583	11.9672	23.9345	25.8194	24.0659	26.8684
Site No.	longitude	latitude	net	M2	S2	N2	K2	K1	O1	P1	Q1
7	174.098	-38.957	N/A	0.165	0.056	0.046	0.016	0.081	0.052	0.026	0.013
8	174.016	-39.010	N/A	0.143	0.048	0.042	0.014	0.068	0.043	0.022	0.011
9	173.938	-39.069	N/A	0.113	0.035	0.033	0.010	0.049	0.030	0.016	0.007
10	173.837	-39.118	N/A	0.127	0.035	0.036	0.011	0.052	0.031	0.017	0.007
11	173.758	-39.178	N/A	0.128	0.027	0.035	0.008	0.048	0.029	0.016	0.007
12	173.708	-39.248	N/A	0.143	0.021	0.036	0.006	0.044	0.026	0.014	0.006
13	173.706	-39.341	N/A	0.172	0.022	0.042	0.006	0.046	0.026	0.015	0.006
14	173.734	-39.419	N/A	0.206	0.026	0.048	0.007	0.046	0.025	0.015	0.006
15	173.801	-39.489	N/A	0.217	0.029	0.049	0.007	0.045	0.024	0.014	0.005
16	173.865	-39.559	N/A	0.209	0.030	0.047	0.007	0.040	0.021	0.013	0.005
17	173.887	-39.643	N/A	0.204	0.033	0.044	0.008	0.040	0.021	0.013	0.005
18	173.938	-39.724	N/A	0.214	0.038	0.048	0.009	0.036	0.019	0.012	0.004
19	173.977	-39.804	N/A	0.177	0.033	0.038	0.008	0.028	0.014	0.009	0.003
20	174.029	-39.887	N/A	0.160	0.033	0.034	0.008	0.024	0.012	0.008	0.003
21	174.082	-39.957	N/A	0.150	0.033	0.032	0.008	0.021	0.011	0.007	0.002
22	174.158	-39.996	N/A	0.148	0.033	0.031	0.008	0.020	0.010	0.006	0.002
23	174.284	-39.987	N/A	0.152	0.035	0.032	0.009	0.020	0.010	0.007	0.002

24	174.377	-39.955	N/A	0.144	0.034	0.031	0.009	0.019	0.010	0.006	0.002
25	174.493	-39.985	N/A	0.121	0.029	0.026	0.007	0.016	0.008	0.005	0.002
26	174.597	-40.004	N/A	0.137	0.032	0.029	0.008	0.017	0.009	0.006	0.002
27	174.713	-40.027	N/A	0.133	0.031	0.029	0.008	0.016	0.008	0.005	0.002
28	174.815	-40.076	N/A	0.162	0.037	0.034	0.009	0.019	0.009	0.006	0.002
29	174.907	-40.122	N/A	0.183	0.042	0.039	0.011	0.023	0.011	0.007	0.002
30	174.984	-40.168	N/A	0.224	0.051	0.047	0.013	0.028	0.013	0.009	0.003
31	175.096	-40.205	N/A	0.260	0.058	0.055	0.015	0.031	0.015	0.010	0.003
32	175.124	-40.284	N/A	0.298	0.066	0.062	0.017	0.036	0.017	0.012	0.004
33	175.165	-40.359	N/A	0.293	0.060	0.057	0.015	0.032	0.015	0.010	0.003
34	175.153	-40.452	N/A	0.314	0.065	0.064	0.016	0.027	0.011	0.009	0.002
35	175.114	-40.501	N/A	0.346	0.079	0.073	0.020	0.046	0.022	0.015	0.005
36	175.089	-40.580	N/A	0.424	0.090	0.087	0.023	0.044	0.021	0.014	0.004
37	175.065	-40.669	N/A	0.373	0.084	0.077	0.021	0.044	0.021	0.014	0.004
38	175.023	-40.750	N/A	0.447	0.100	0.093	0.025	0.059	0.028	0.019	0.006
39	174.961	-40.826	N/A	0.395	0.088	0.081	0.022	0.050	0.024	0.016	0.005
40	174.945	-40.806	N/A	0.531	0.114	0.105	0.029	0.050	0.023	0.016	0.005
41	174.907	-40.808	N/A	0.492	0.109	0.102	0.027	0.062	0.028	0.020	0.006
42	174.866	-40.894	N/A	0.681	0.146	0.133	0.037	0.058	0.025	0.019	0.005
43	174.907	-40.913	N/A	1.302	0.261	0.229	0.065	0.092	0.041	0.030	0.008

Table A1.14. Tidal constituent phases $\phi_n^{(v)}$ (degrees) for the northward component of the current.

			Period (hours):	12.4206	12.0000	12.6583	11.9672	23.9345	25.8194	24.0659	26.8684
Site No.	longitude	latitude	net	M2	S2	N2	K2	K1	O1	P1	Q1
7	174.098	-38.957	N/A	118	94	100	87	245	211	238	219
8	174.016	-39.010	N/A	131	99	111	91	257	222	249	232
9	173.938	-39.069	N/A	142	101	120	93	262	226	254	238
10	173.837	-39.118	N/A	155	107	130	98	267	229	259	243
11	173.758	-39.178	N/A	170	121	143	110	279	241	271	255
12	173.708	-39.248	N/A	184	145	157	130	289	251	281	266
13	173.706	-39.341	N/A	192	167	166	149	297	259	289	274
14	173.734	-39.419	N/A	196	186	171	169	302	263	294	280
15	173.801	-39.489	N/A	196	195	172	179	301	262	294	280
16	173.865	-39.559	N/A	196	201	172	188	299	259	291	277
17	173.887	-39.643	N/A	198	209	174	199	296	256	288	274
18	173.938	-39.724	N/A	208	217	186	207	318	281	310	301
19	173.977	-39.804	N/A	208	221	186	213	321	283	313	304
20	174.029	-39.887	N/A	212	227	191	220	331	294	323	316
21	174.082	-39.957	N/A	216	232	197	226	343	309	335	333
22	174.158	-39.996	N/A	214	232	195	226	339	305	332	329

23	174.284	-39.987	N/A	215	233	197	227	346	312	338	337
24	174.377	-39.955	N/A	217	234	199	228	352	319	344	344
25	174.493	-39.985	N/A	219	235	202	229	359	327	351	354
26	174.597	-40.004	N/A	215	232	198	226	353	321	345	348
27	174.713	-40.027	N/A	216	232	198	227	348	317	341	344
28	174.815	-40.076	N/A	210	228	192	222	341	309	334	335
29	174.907	-40.122	N/A	212	230	194	225	339	307	332	333
30	174.984	-40.168	N/A	211	230	192	224	337	304	330	330
31	175.096	-40.205	N/A	210	229	191	223	332	298	324	324
32	175.124	-40.284	N/A	210	229	190	224	333	299	326	325
33	175.165	-40.359	N/A	202	222	183	217	319	285	311	311
34	175.153	-40.452	N/A	211	231	189	225	305	274	297	302
35	175.114	-40.501	N/A	220	242	203	237	348	315	341	341
36	175.089	-40.580	N/A	207	228	186	223	320	286	312	311
37	175.065	-40.669	N/A	214	235	195	231	327	293	320	319
38	175.023	-40.750	N/A	219	240	199	235	344	310	336	335
39	174.961	-40.826	N/A	220	241	200	236	349	315	341	341
40	174.945	-40.806	N/A	204	225	182	220	320	285	312	311
41	174.907	-40.808	N/A	213	235	193	230	326	291	319	316
42	174.866	-40.894	N/A	194	215	172	211	293	259	286	285
43	174.907	-40.913	N/A	179	200	156	196	288	253	280	278

Table A1.14. Tidal constituent principal current speeds (ms^{-1}).

			Period (hours):	12.4206	12.0000	12.6583	11.9672	23.9345	25.8194	24.0659	26.8684
Site No.	longitude	latitude	net	M2	S2	N2	K2	K1	O1	P1	Q1
7	174.098	-38.957	0.209	0.166	0.057	0.047	0.016	0.083	0.053	0.027	0.013
8	174.016	-39.010	0.197	0.157	0.055	0.046	0.016	0.077	0.048	0.025	0.012
9	173.938	-39.069	0.177	0.144	0.049	0.043	0.015	0.064	0.039	0.021	0.010
10	173.837	-39.118	0.199	0.166	0.051	0.049	0.015	0.069	0.041	0.022	0.010
11	173.758	-39.178	0.209	0.177	0.047	0.051	0.014	0.071	0.041	0.023	0.010
12	173.708	-39.248	0.220	0.194	0.038	0.053	0.012	0.068	0.039	0.022	0.009
13	173.706	-39.341	0.252	0.228	0.033	0.058	0.010	0.069	0.038	0.022	0.009
14	173.734	-39.419	0.300	0.277	0.034	0.068	0.010	0.073	0.040	0.024	0.009
15	173.801	-39.489	0.336	0.314	0.038	0.075	0.010	0.074	0.039	0.024	0.009
16	173.865	-39.559	0.345	0.324	0.041	0.076	0.010	0.070	0.037	0.023	0.008
17	173.887	-39.643	0.326	0.306	0.042	0.070	0.010	0.063	0.033	0.021	0.007
18	173.938	-39.724	0.315	0.296	0.045	0.068	0.011	0.062	0.033	0.020	0.007
19	173.977	-39.804	0.278	0.262	0.042	0.060	0.010	0.050	0.026	0.016	0.006
20	174.029	-39.887	0.241	0.227	0.039	0.051	0.010	0.042	0.022	0.014	0.005
21	174.082	-39.957	0.207	0.195	0.036	0.043	0.009	0.034	0.018	0.011	0.004
22	174.158	-39.996	0.193	0.182	0.035	0.040	0.009	0.030	0.015	0.010	0.003
23	174.284	-39.987	0.183	0.173	0.036	0.038	0.009	0.026	0.013	0.009	0.003

24	174.377	-39.955	0.165	0.155	0.034	0.034	0.009	0.022	0.011	0.007	0.003
25	174.493	-39.985	0.132	0.124	0.029	0.027	0.007	0.017	0.008	0.005	0.002
26	174.597	-40.004	0.146	0.138	0.032	0.030	0.008	0.018	0.009	0.006	0.002
27	174.713	-40.027	0.142	0.134	0.032	0.029	0.008	0.016	0.008	0.005	0.002
28	174.815	-40.076	0.176	0.166	0.039	0.035	0.010	0.019	0.009	0.006	0.002
29	174.907	-40.122	0.200	0.189	0.044	0.040	0.011	0.023	0.011	0.008	0.002
30	174.984	-40.168	0.247	0.233	0.054	0.049	0.014	0.028	0.014	0.009	0.003
31	175.096	-40.205	0.289	0.274	0.063	0.057	0.016	0.032	0.016	0.011	0.003
32	175.124	-40.284	0.337	0.319	0.072	0.066	0.018	0.038	0.018	0.012	0.004
33	175.165	-40.359	0.315	0.301	0.062	0.059	0.015	0.032	0.015	0.010	0.003
34	175.153	-40.452	0.358	0.342	0.074	0.069	0.019	0.027	0.011	0.009	0.002
35	175.114	-40.501	0.459	0.433	0.101	0.091	0.026	0.056	0.027	0.018	0.006
36	175.089	-40.580	0.448	0.426	0.091	0.087	0.023	0.047	0.022	0.015	0.005
37	175.065	-40.669	0.475	0.449	0.104	0.093	0.026	0.051	0.024	0.017	0.005
38	175.023	-40.750	0.528	0.499	0.113	0.104	0.028	0.064	0.031	0.021	0.007
39	174.961	-40.826	0.547	0.518	0.116	0.107	0.029	0.065	0.031	0.021	0.007
40	174.945	-40.806	0.557	0.531	0.114	0.105	0.029	0.050	0.023	0.016	0.005
41	174.907	-40.808	0.651	0.618	0.137	0.127	0.034	0.068	0.031	0.022	0.007
42	174.866	-40.894	0.974	0.931	0.200	0.180	0.050	0.077	0.034	0.025	0.007
43	174.907	-40.913	1.493	1.436	0.288	0.253	0.072	0.102	0.045	0.033	0.009

Table A1.15. Tidal constituent transverse current speeds (ms^{-1}).

			Period (hours):	12.4206	12.0000	12.6583	11.9672	23.9345	25.8194	24.0659	26.8684
Site No.	longitude	latitude	net	M2	S2	N2	K2	K1	O1	P1	Q1
7	174.098	-38.957	0.007	0.004	0.002	0.000	0.000	0.000	0.000	0.000	0.000
8	174.016	-39.010	0.008	0.005	0.002	0.000	0.001	0.001	0.000	0.000	0.000
9	173.938	-39.069	0.011	0.009	0.003	0.002	0.001	0.001	0.000	0.000	0.000
10	173.837	-39.118	0.016	0.013	0.005	0.003	0.001	0.003	0.002	0.001	0.000
11	173.758	-39.178	0.013	0.004	0.005	0.001	0.001	0.005	0.003	0.001	0.001
12	173.708	-39.248	0.018	0.000	0.008	0.001	0.002	0.007	0.004	0.002	0.001
13	173.706	-39.341	0.026	0.016	0.010	0.002	0.002	0.011	0.006	0.003	0.002
14	173.734	-39.419	0.047	0.039	0.007	0.006	0.002	0.017	0.009	0.005	0.002
15	173.801	-39.489	0.066	0.057	0.003	0.011	0.001	0.022	0.012	0.007	0.003
16	173.865	-39.559	0.071	0.061	0.000	0.013	0.001	0.025	0.014	0.008	0.003
17	173.887	-39.643	0.063	0.053	0.002	0.011	0.001	0.024	0.014	0.008	0.003
18	173.938	-39.724	0.036	0.028	0.004	0.004	0.002	0.011	0.006	0.004	0.001
19	173.977	-39.804	0.029	0.022	0.005	0.003	0.002	0.010	0.005	0.003	0.001
20	174.029	-39.887	0.019	0.012	0.006	0.001	0.002	0.005	0.003	0.002	0.001
21	174.082	-39.957	0.015	0.005	0.006	0.001	0.002	0.002	0.001	0.000	0.000
22	174.158	-39.996	0.015	0.008	0.005	0.000	0.002	0.003	0.001	0.001	0.000
23	174.284	-39.987	0.014	0.009	0.003	0.000	0.001	0.003	0.001	0.001	0.000

24	174.377	-39.955	0.009	0.005	0.003	0.000	0.001	0.001	0.000	0.000	0.000
25	174.493	-39.985	0.009	0.005	0.004	0.002	0.001	0.002	0.001	0.001	0.000
26	174.597	-40.004	0.005	0.000	0.002	0.001	0.001	0.000	0.000	0.000	0.000
27	174.713	-40.027	0.005	0.002	0.002	0.001	0.001	0.000	0.000	0.000	0.000
28	174.815	-40.076	0.006	0.004	0.003	0.002	0.001	0.001	0.001	0.000	0.000
29	174.907	-40.122	0.009	0.007	0.003	0.002	0.001	0.002	0.001	0.001	0.000
30	174.984	-40.168	0.005	0.001	0.002	0.001	0.001	0.000	0.000	0.000	0.000
31	175.096	-40.205	0.005	0.002	0.002	0.001	0.001	0.001	0.001	0.000	0.000
32	175.124	-40.284	0.004	0.001	0.002	0.001	0.001	0.000	0.000	0.000	0.000
33	175.165	-40.359	0.019	0.017	0.003	0.001	0.001	0.002	0.000	0.001	0.000
34	175.153	-40.452	0.037	0.032	0.000	0.002	0.000	0.008	0.005	0.003	0.001
35	175.114	-40.501	0.006	0.003	0.000	0.000	0.000	0.002	0.001	0.001	0.000
36	175.089	-40.580	0.056	0.052	0.009	0.009	0.002	0.003	0.001	0.001	0.000
37	175.065	-40.669	0.009	0.004	0.000	0.001	0.000	0.003	0.002	0.001	0.000
38	175.023	-40.750	0.032	0.030	0.006	0.005	0.001	0.006	0.003	0.002	0.001
39	174.961	-40.826	0.009	0.008	0.001	0.001	0.000	0.000	0.000	0.000	0.000
40	174.945	-40.806	0.069	0.067	0.011	0.010	0.003	0.001	0.001	0.000	0.000
41	174.907	-40.808	0.050	0.044	0.011	0.012	0.003	0.008	0.003	0.003	0.001
42	174.866	-40.894	0.024	0.015	0.003	0.002	0.001	0.015	0.007	0.005	0.001
43	174.907	-40.913	0.084	0.083	0.010	0.008	0.002	0.005	0.002	0.002	0.000

Table A1.16. Orientation (degrees from True North) of tidal principal current vectors.

			Period (hours):	12.4206	12.0000	12.6583	11.9672	23.9345	25.8194	24.0659	26.8684
Site No.	longitude	latitude	net	M2	S2	N2	K2	K1	O1	P1	Q1
7	174.098	-38.957	172	173	169	172	168	169	170	169	170
8	174.016	-39.010	155	156	152	155	151	153	154	152	154
9	173.938	-39.069	141	142	136	140	136	140	141	140	141
10	173.837	-39.118	139	140	133	138	133	139	140	139	140
11	173.758	-39.178	135	136	124	133	124	133	134	133	134
12	173.708	-39.248	136	138	122	134	121	131	132	131	131
13	173.706	-39.341	137	139	129	136	125	131	131	131	131
14	173.734	-39.419	137	137	141	135	134	128	128	128	127
15	173.801	-39.489	132	133	140	131	135	123	123	123	121
16	173.865	-39.559	128	129	136	127	134	119	118	118	116
17	173.887	-39.643	131	131	141	128	138	122	122	122	120
18	173.938	-39.724	136	136	146	134	145	124	123	124	122
19	173.977	-39.804	132	132	143	129	142	122	122	122	120
20	174.029	-39.887	135	135	148	132	148	125	124	125	123
21	174.082	-39.957	140	140	154	137	155	128	127	128	126
22	174.158	-39.996	144	144	158	141	159	132	131	132	129
23	174.284	-39.987	152	152	163	149	164	141	140	141	139

24	174.377	-39.955	158	158	168	156	169	149	149	149	148
25	174.493	-39.985	168	168	176	167	177	160	160	160	159
26	174.597	-40.004	174	174	180	173	0	168	168	168	167
27	174.713	-40.027	5	5	9	5	10	177	177	177	177
28	174.815	-40.076	13	13	17	12	17	11	10	11	10
29	174.907	-40.122	14	14	18	14	19	9	9	9	9
30	174.984	-40.168	16	16	19	15	20	13	12	13	12
31	175.096	-40.205	19	18	21	18	22	15	14	15	14
32	175.124	-40.284	21	21	23	21	24	19	19	19	18
33	175.165	-40.359	13	13	16	14	16	1	1	1	1
34	175.153	-40.452	23	23	29	22	29	178	2	179	5
35	175.114	-40.501	37	37	39	37	39	34	34	34	35
36	175.089	-40.580	174	175	177	173	177	159	158	159	158
37	175.065	-40.669	34	34	36	34	37	29	30	29	30
38	175.023	-40.750	26	26	28	26	28	23	23	23	22
39	174.961	-40.826	40	40	41	40	41	40	40	40	40
40	174.945	-40.806	1	1	1	180	1	173	174	173	174
41	174.907	-40.808	37	37	37	37	37	25	25	25	25
42	174.866	-40.894	43	43	43	42	43	42	44	42	44
43	174.907	-40.913	155	155	155	155	155	155	156	155	156

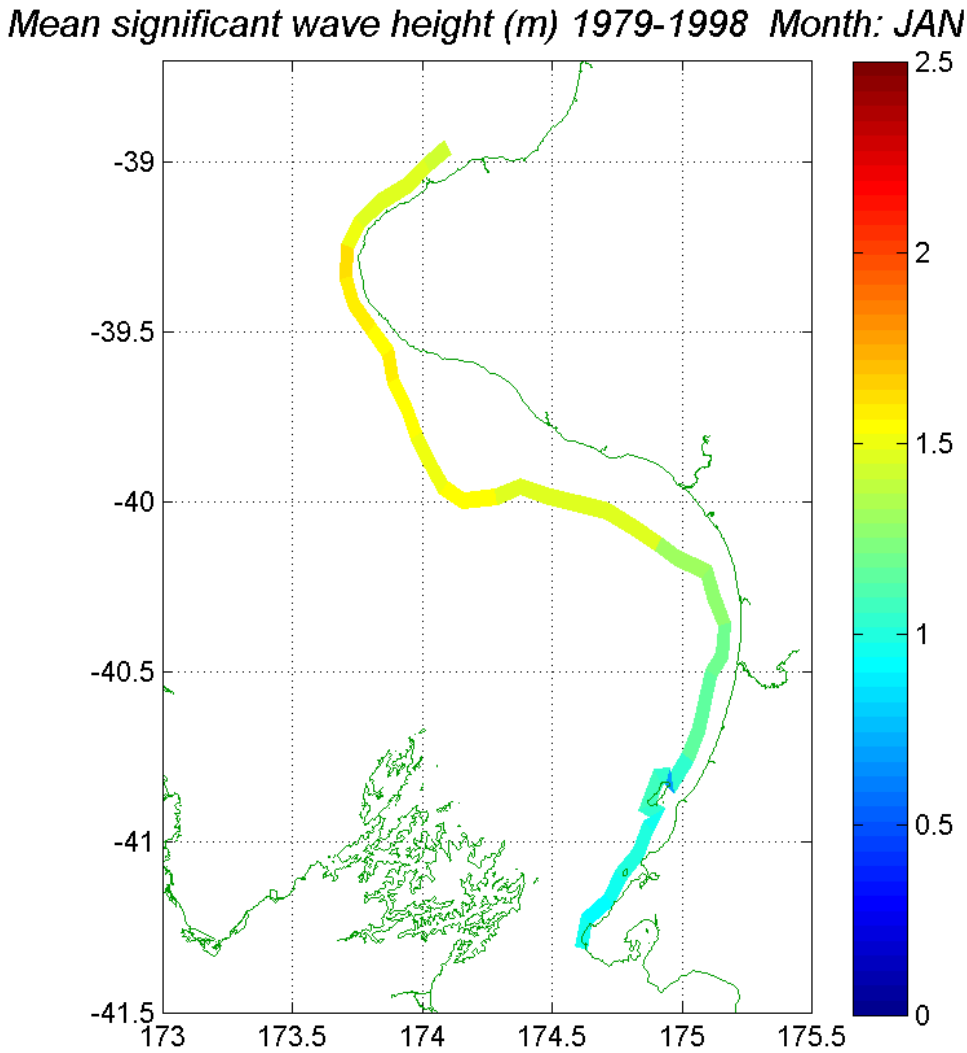

Figure A1.1. Spatial distribution along the 50 m isobath of mean significant wave height, averaged over all January data in the 20-year hindcast record.

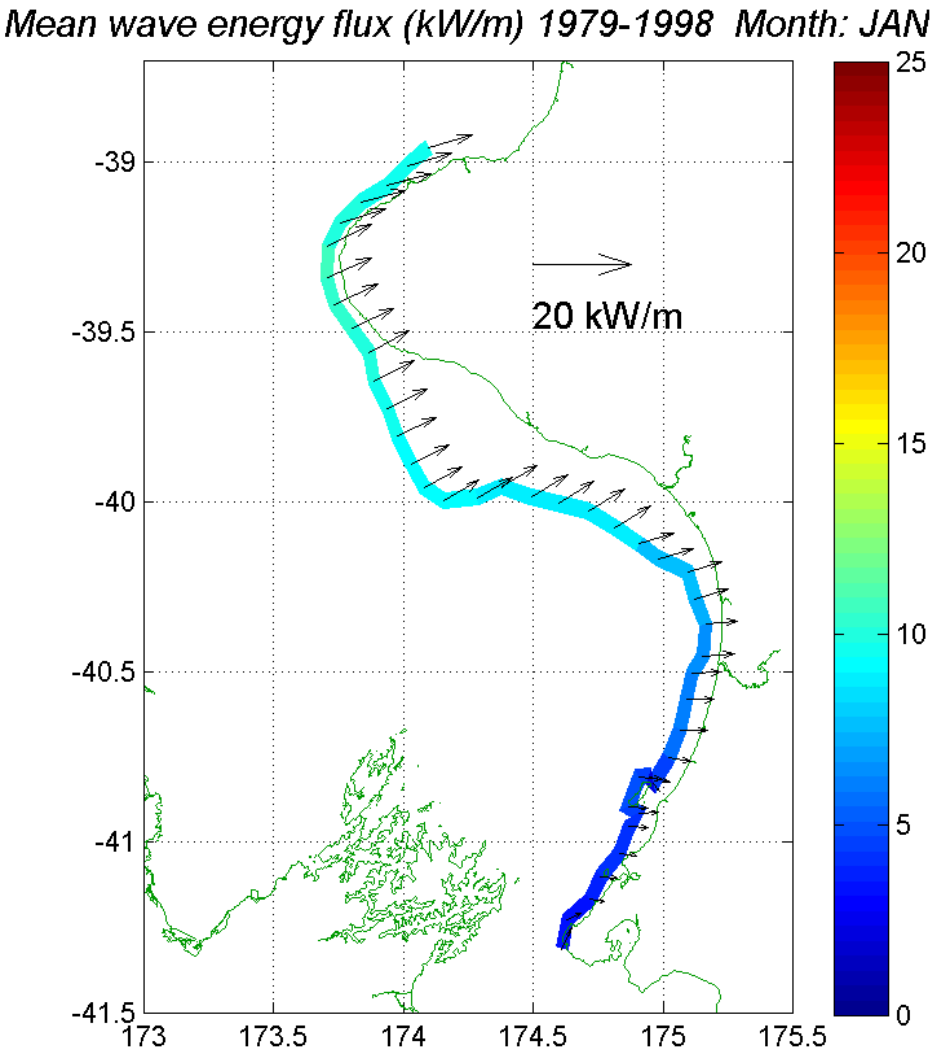

Figure A1.2. Spatial distribution along the 50 m isobath of mean wave energy flux, averaged over all January data in the 20-year hindcast record. The colour scale shows the mean of the magnitude of the energy flux, while the arrows show the vector averaged flux.

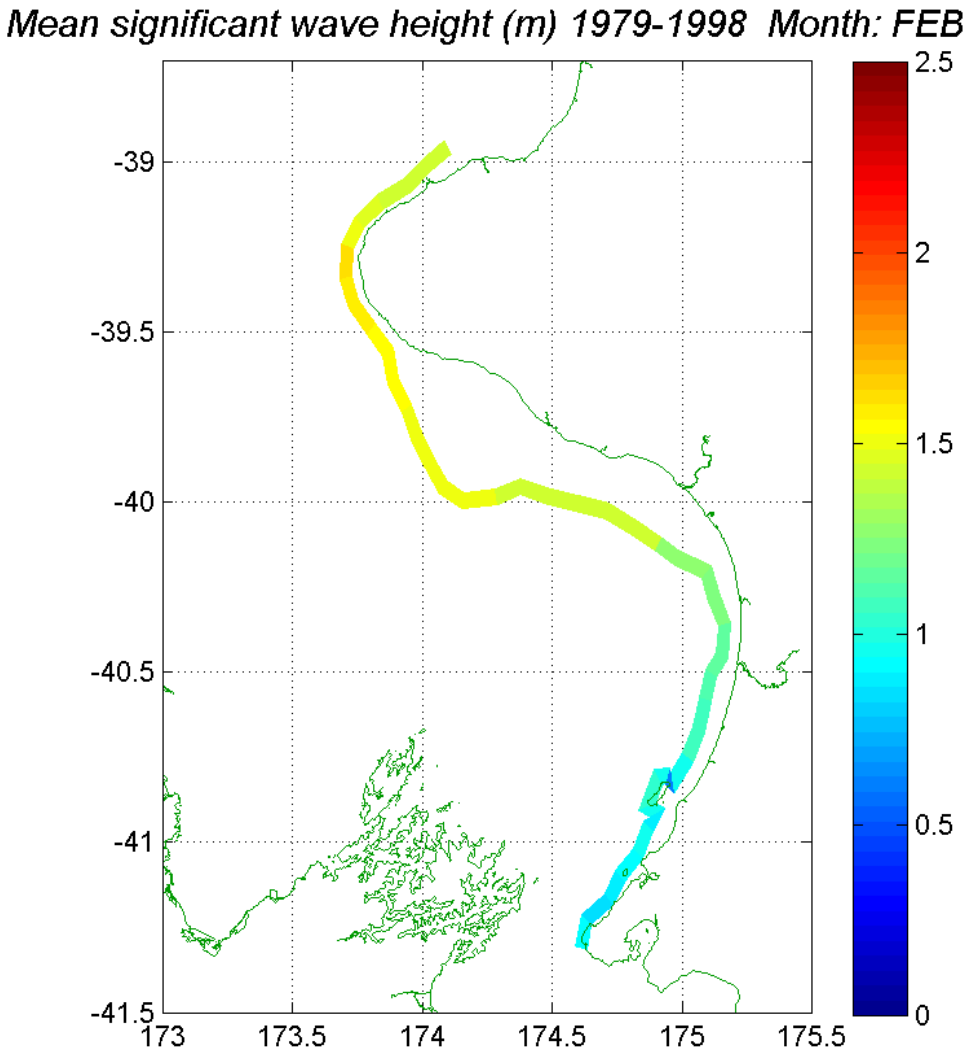

Figure A1.3. Spatial distribution along the 50 m isobath of mean significant wave height, averaged over all February data in the 20-year hindcast record.

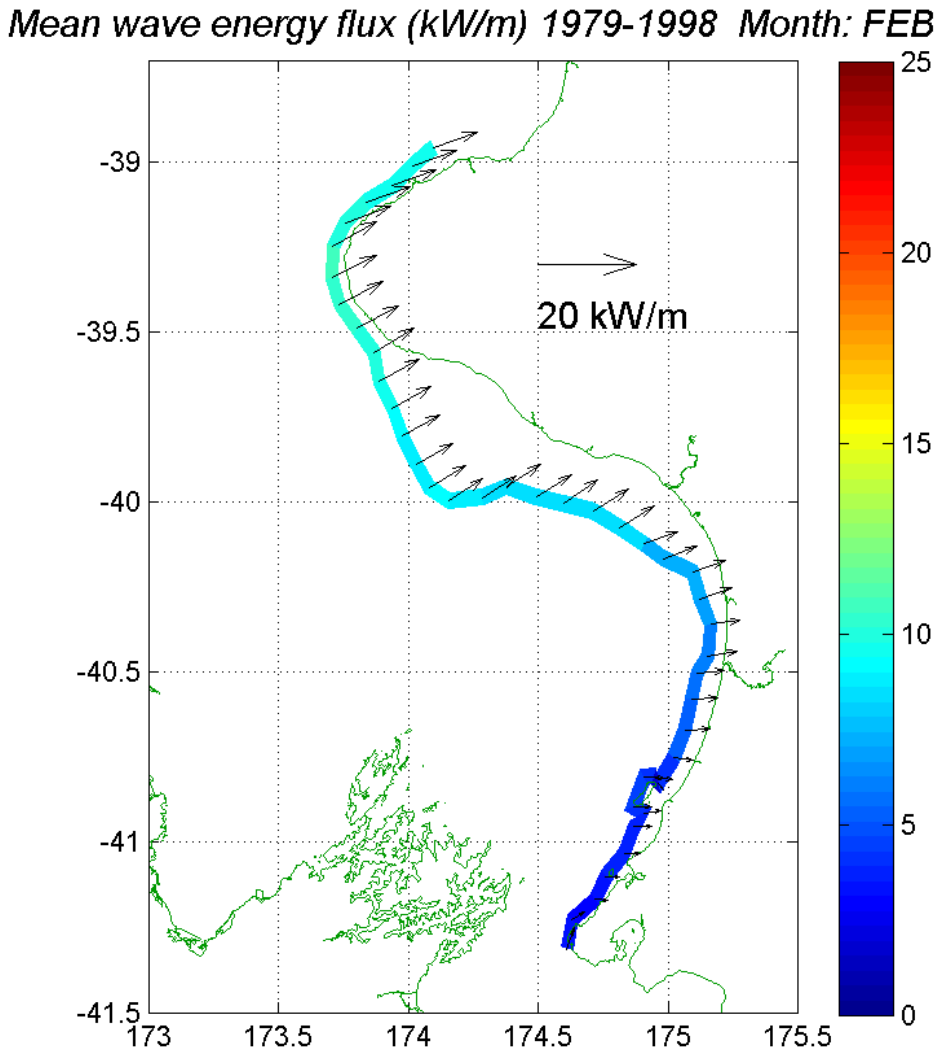

Figure A1.4. Spatial distribution along the 50 m isobath of mean wave energy flux, averaged over all February data in the 20-year hindcast record. The colour scale shows the mean of the magnitude of the energy flux, while the arrows show the vector averaged flux.

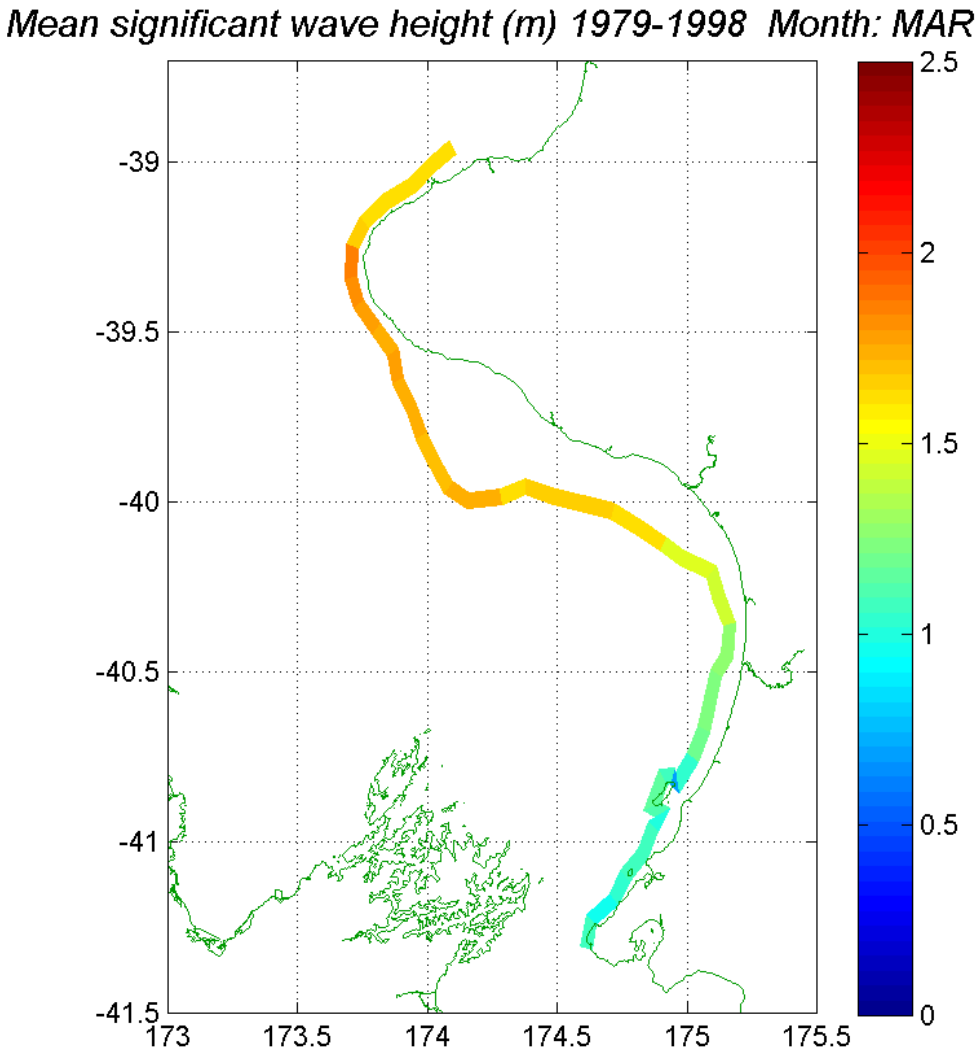

Figure A1.5. Spatial distribution along the 50 m isobath of mean significant wave height, averaged over all March data in the 20-year hindcast record.

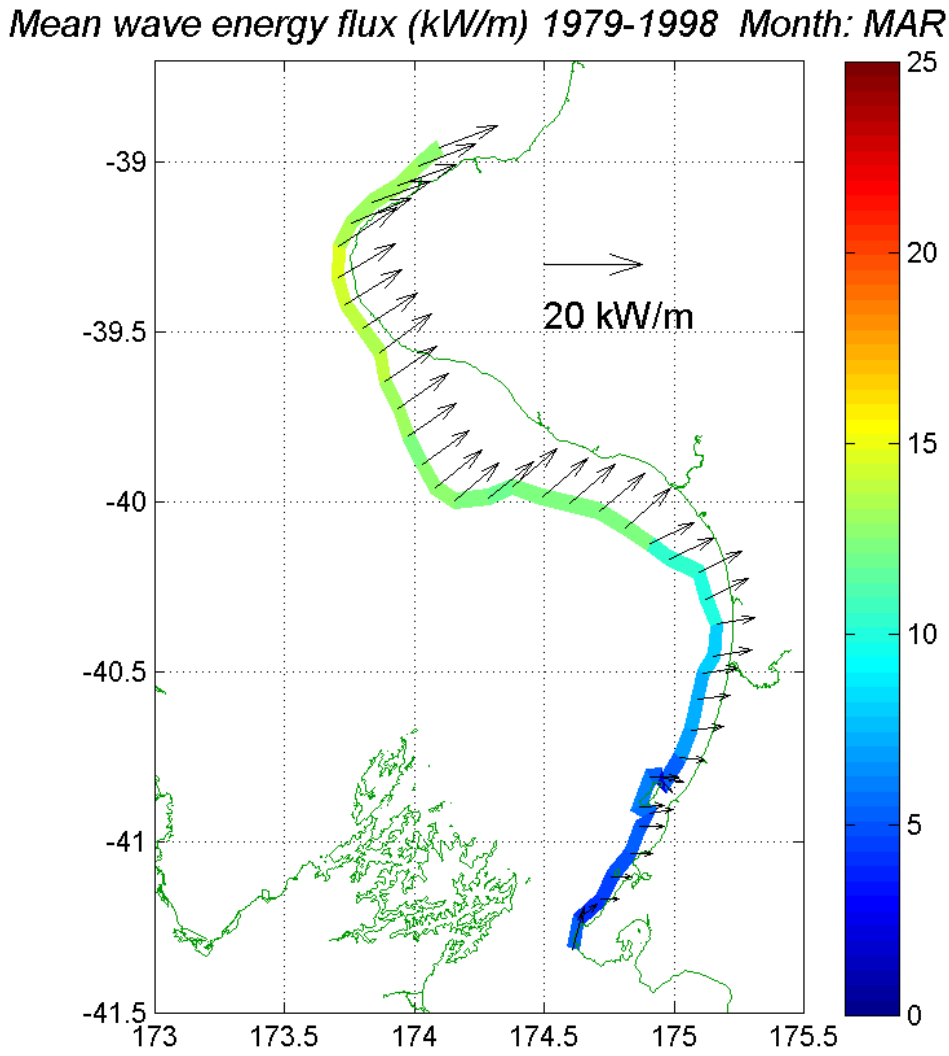

Figure A1.6. Spatial distribution along the 50 m isobath of mean wave energy flux, averaged over all March data in the 20-year hindcast record. The colour scale shows the mean of the magnitude of the energy flux, while the arrows show the vector averaged flux.

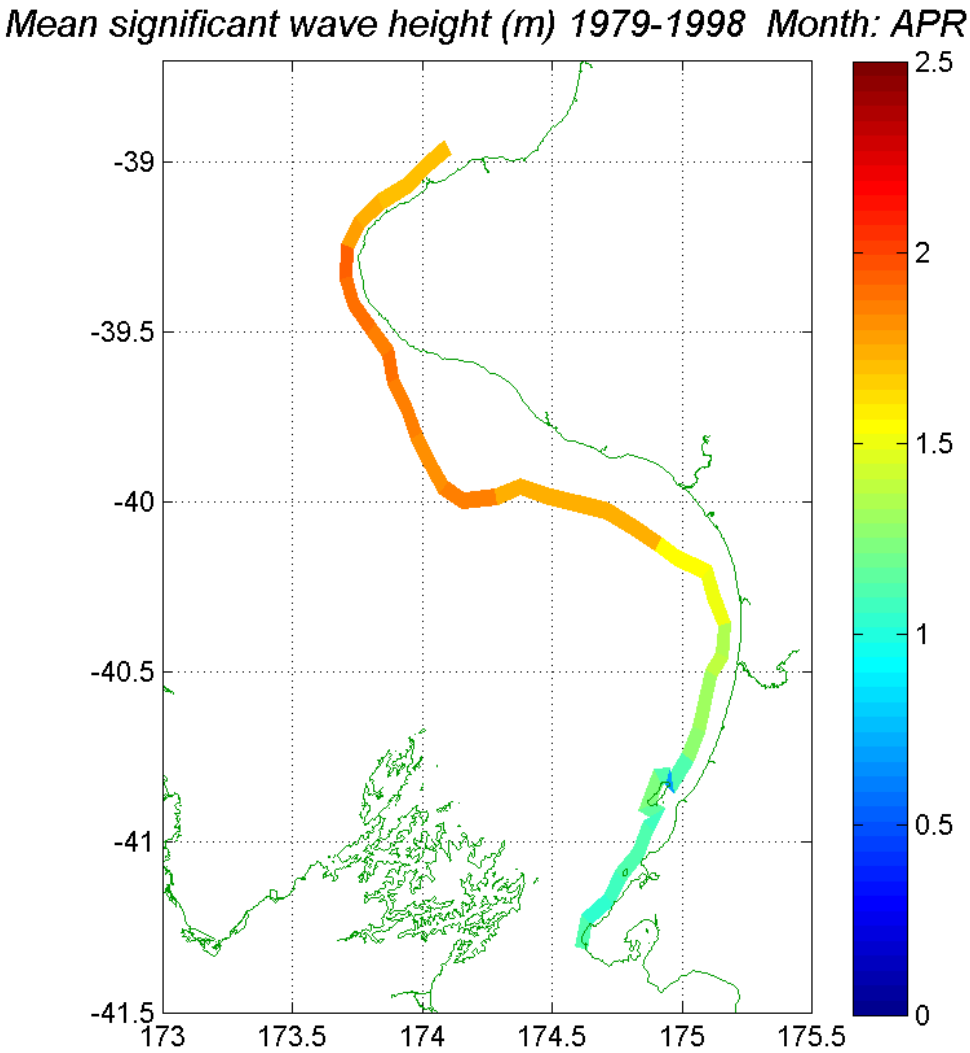

Figure A1.7. Spatial distribution along the 50 m isobath of mean significant wave height, averaged over all April data in the 20-year hindcast record.

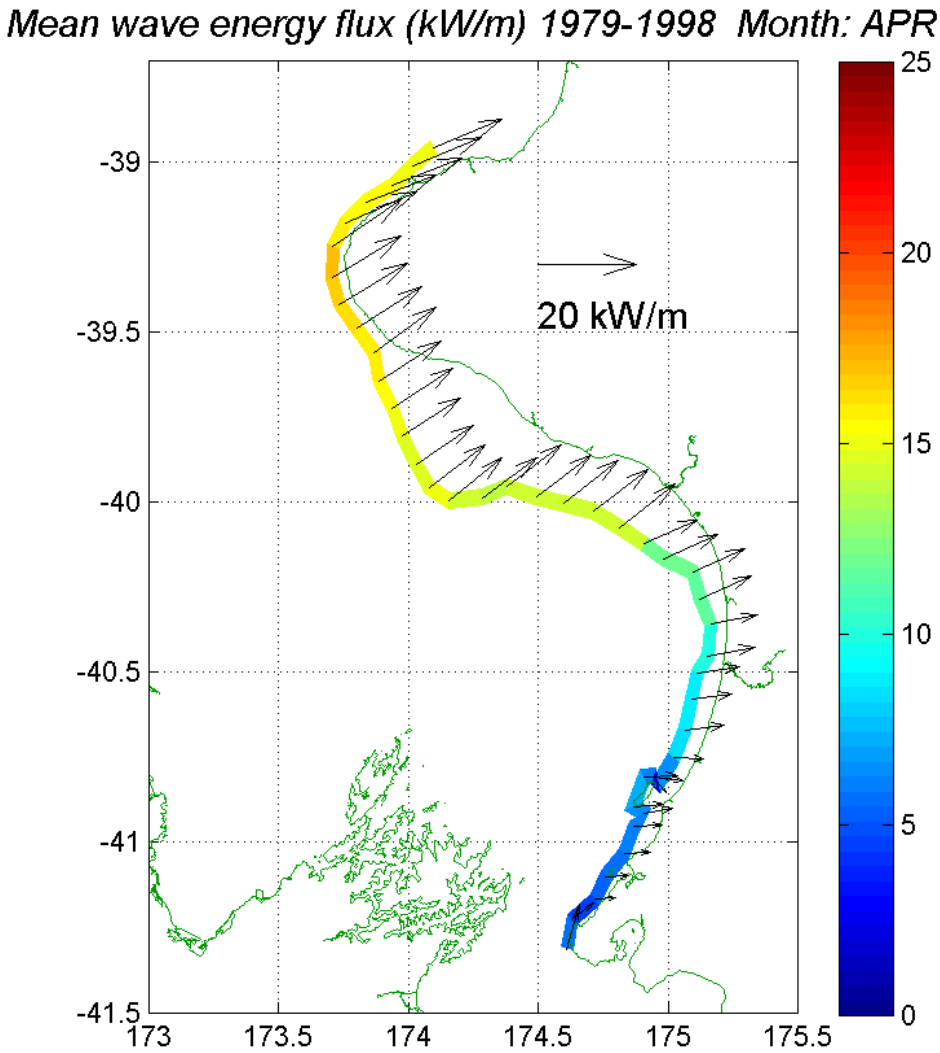

Figure A1.8. Spatial distribution along the 50 m isobath of mean wave energy flux, averaged over all April data in the 20-year hindcast record. The colour scale shows the mean of the magnitude of the energy flux, while the arrows show the vector averaged flux.

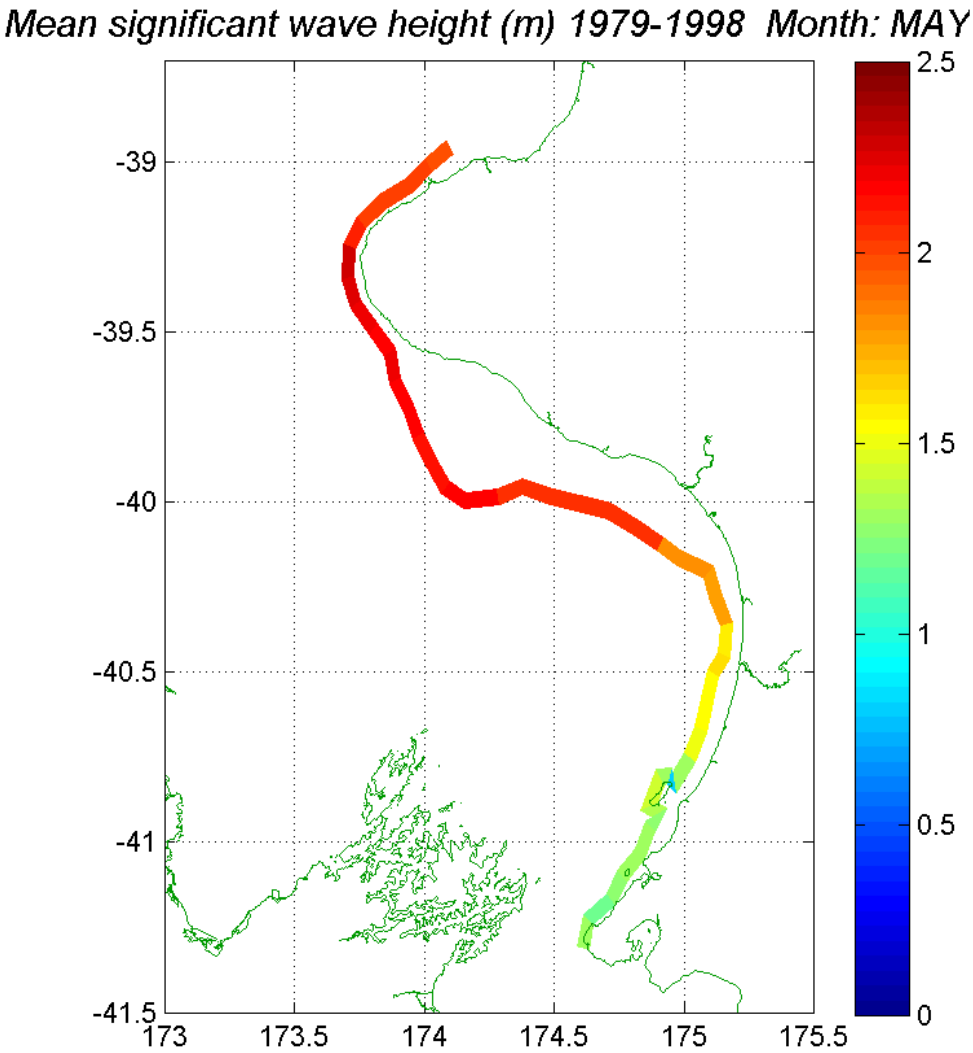

Figure A1.9. Spatial distribution along the 50 m isobath of mean significant wave height, averaged over all May data in the 20-year hindcast record.

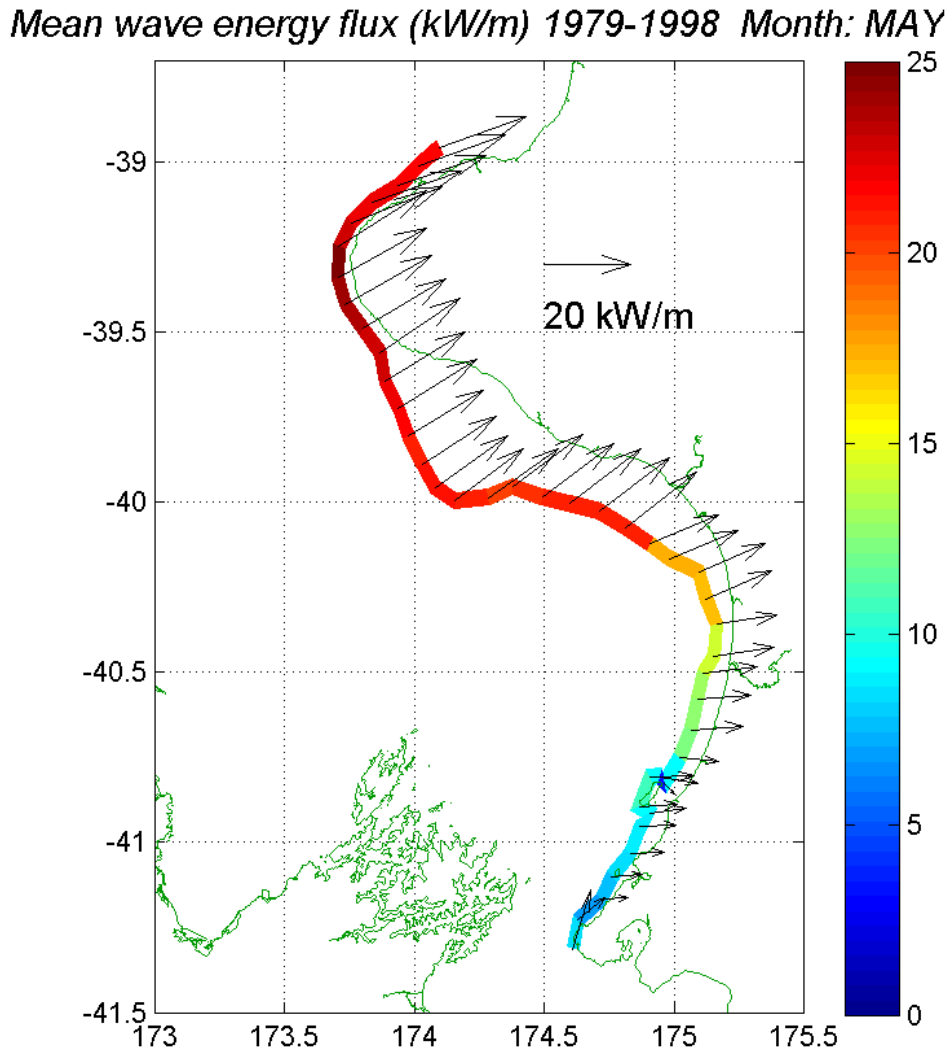

Figure A1.10. Spatial distribution along the 50 m isobath of mean wave energy flux, averaged over all May data in the 20-year hindcast record. The colour scale shows the mean of the magnitude of the energy flux, while the arrows show the vector averaged flux.

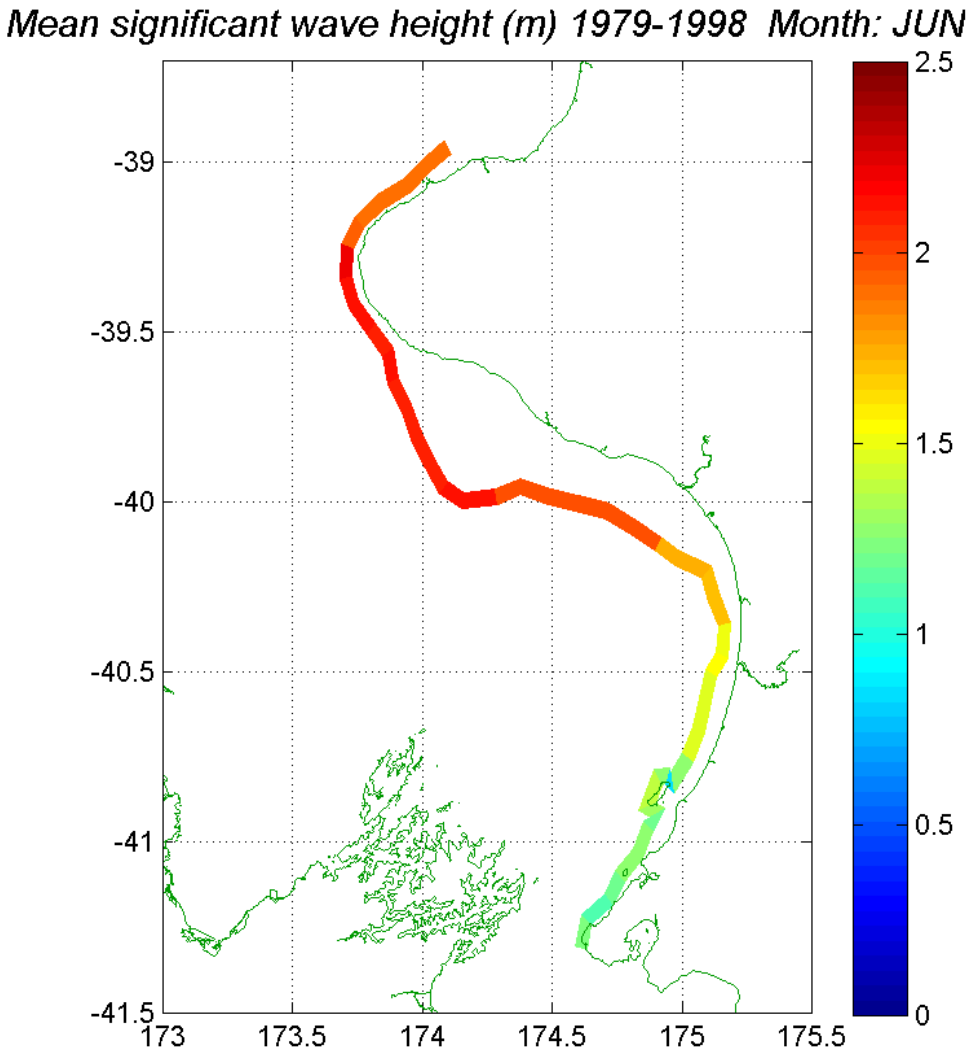

Figure A1.11. Spatial distribution along the 50 m isobath of mean significant wave height, averaged over all June data in the 20-year hindcast record.

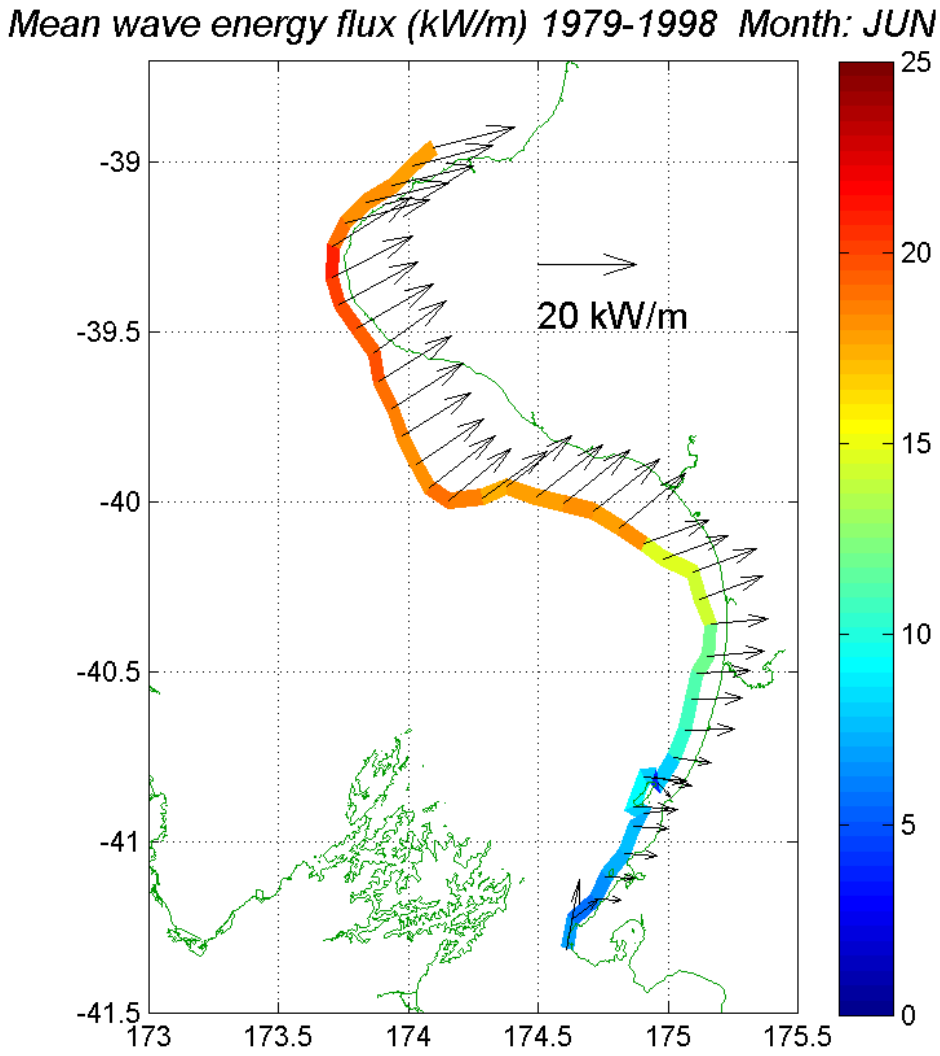

Figure A1.12. Spatial distribution along the 50 m isobath of mean wave energy flux, averaged over all June data in the 20-year hindcast record. The colour scale shows the mean of the magnitude of the energy flux, while the arrows show the vector averaged flux.

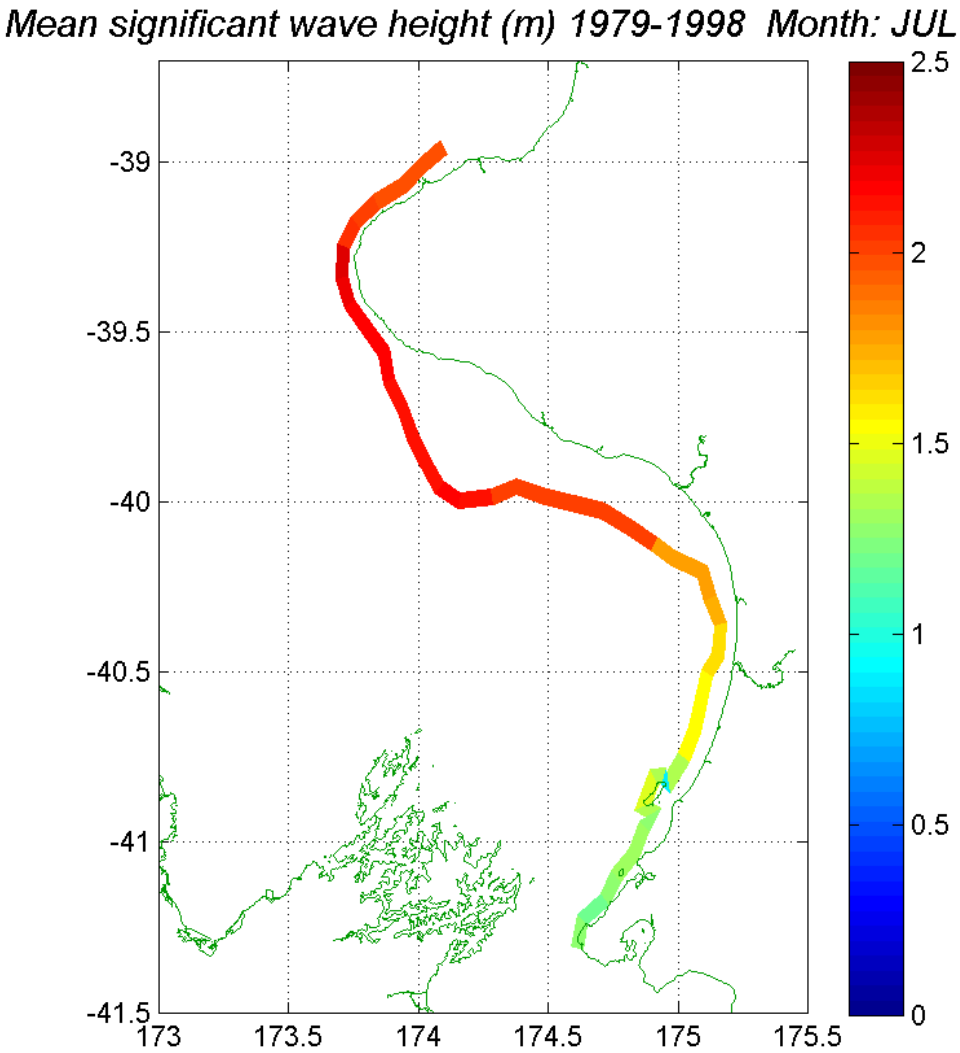

Figure A1.13. Spatial distribution along the 50 m isobath of mean significant wave height, averaged over all July data in the 20-year hindcast record.

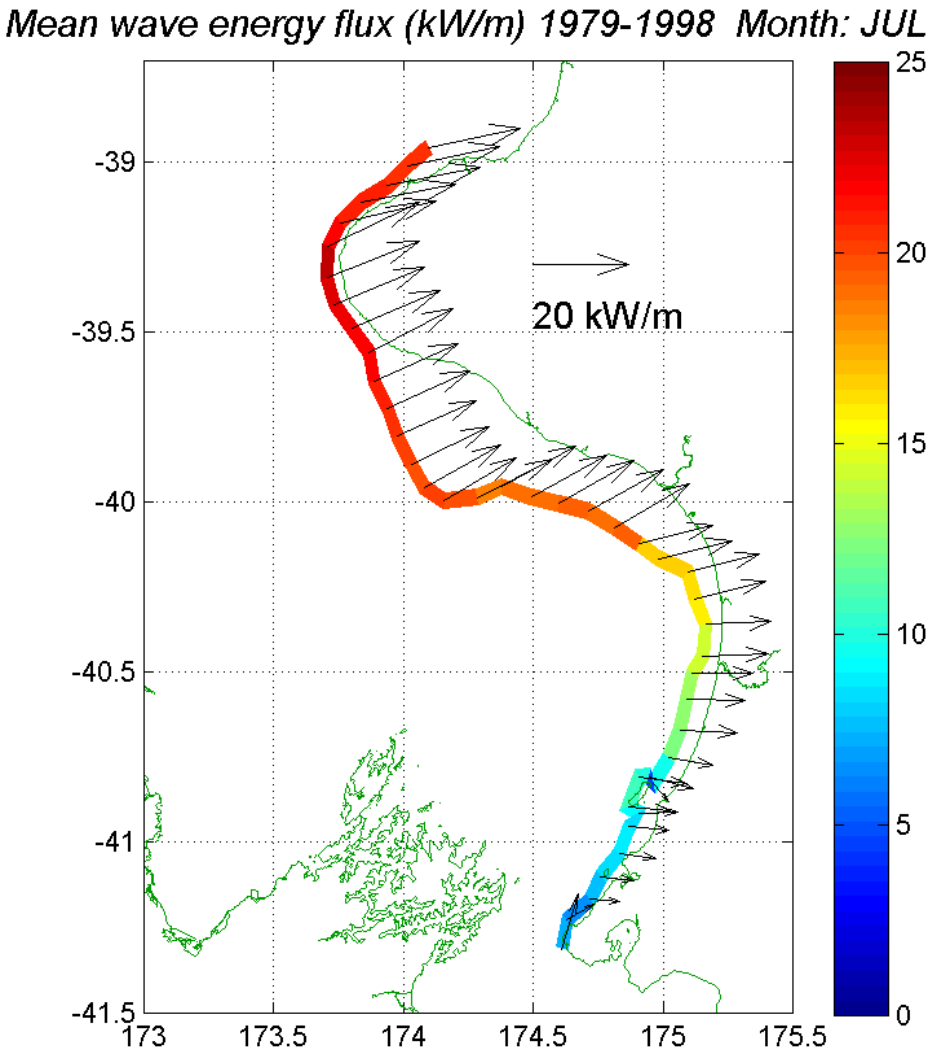

Figure A1.14. Spatial distribution along the 50 m isobath of mean wave energy flux, averaged over all July data in the 20-year hindcast record. The colour scale shows the mean of the magnitude of the energy flux, while the arrows show the vector averaged flux.

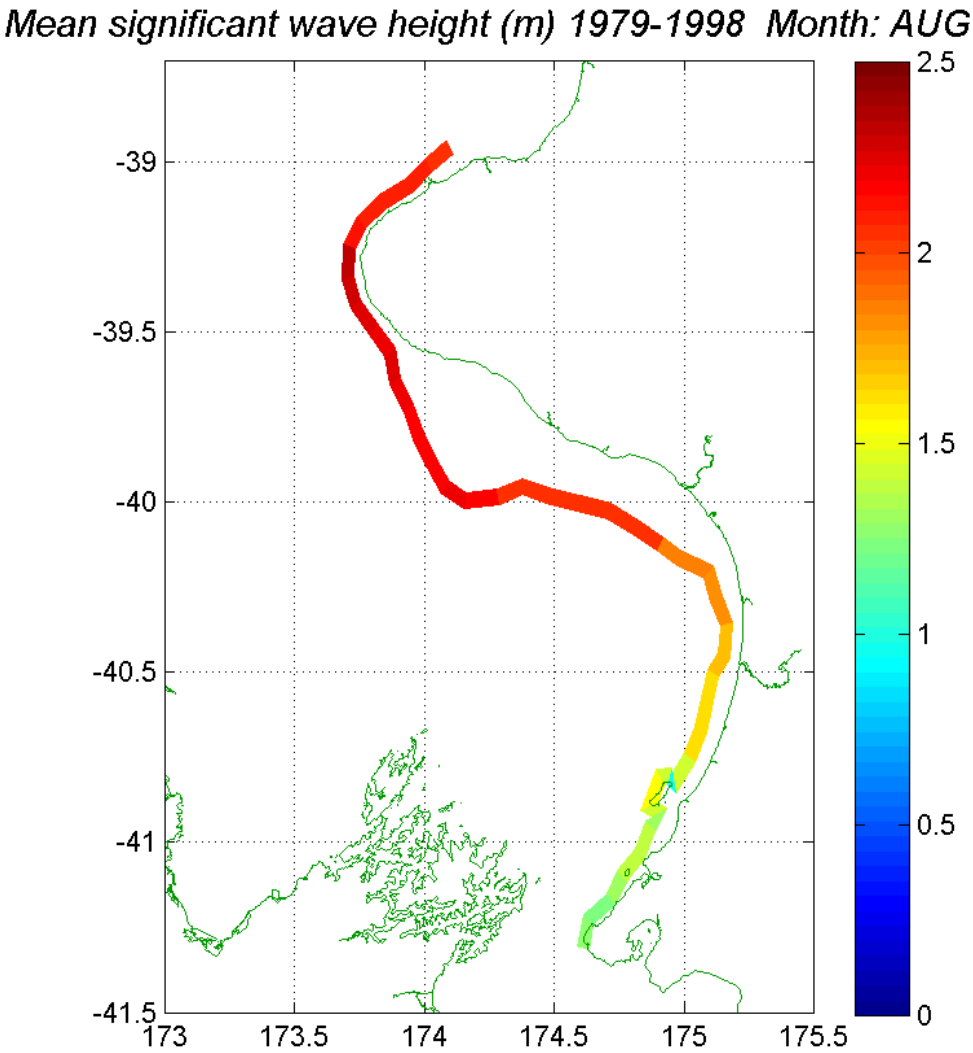

Figure A1.15. Spatial distribution along the 50 m isobath of mean significant wave height, averaged over all August data in the 20-year hindcast record.

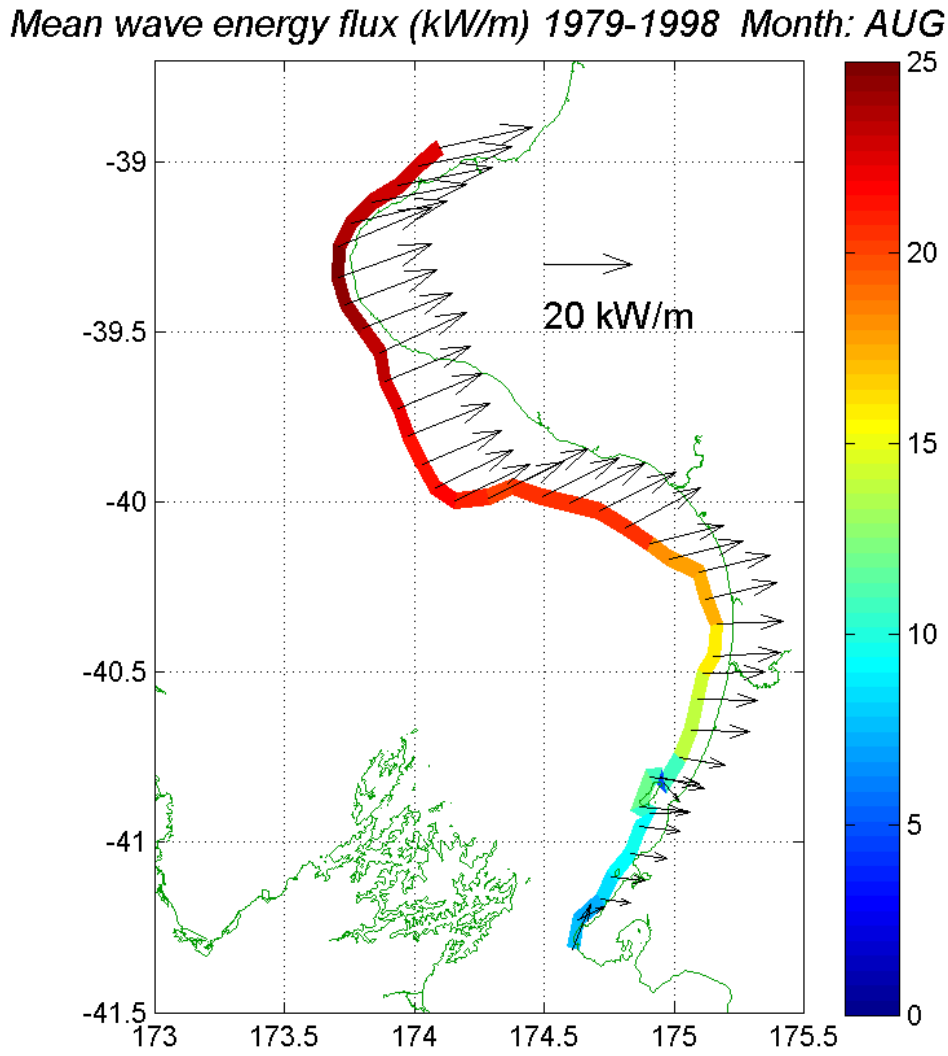

Figure A1.16. Spatial distribution along the 50 m isobath of mean wave energy flux, averaged over all August data in the 20-year hindcast record. The colour scale shows the mean of the magnitude of the energy flux, while the arrows show the vector averaged flux.

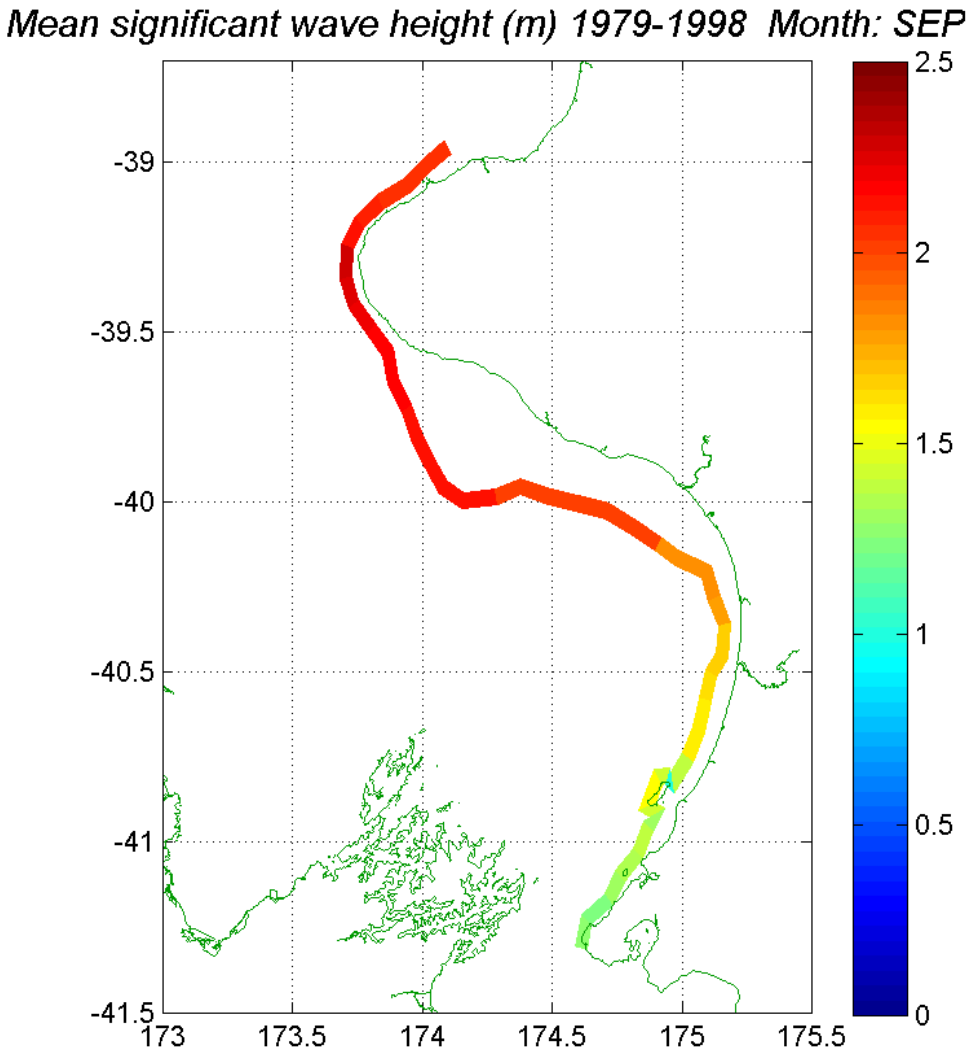

Figure A1.17. Spatial distribution along the 50 m isobath of mean significant wave height, averaged over all September data in the 20-year hindcast record.

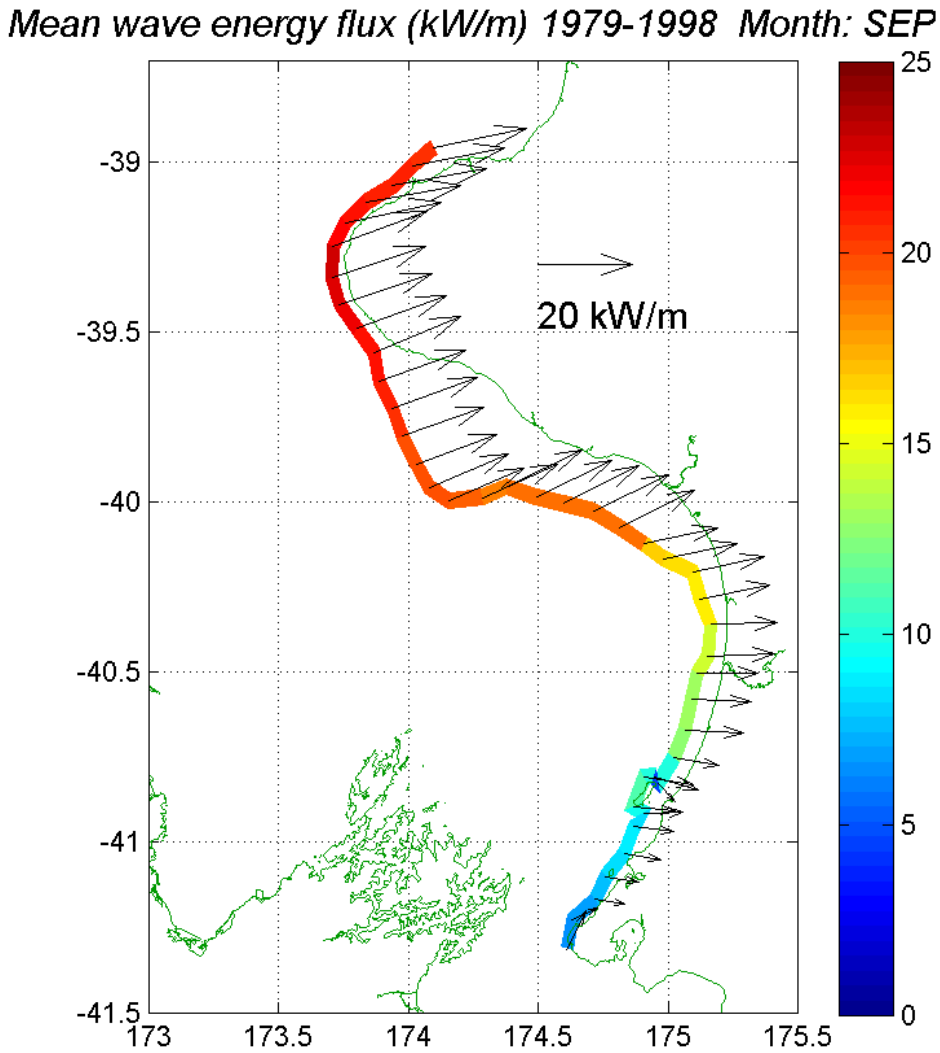

Figure A1.18. Spatial distribution along the 50 m isobath of mean wave energy flux, averaged over all September data in the 20-year hindcast record. The colour scale shows the mean of the magnitude of the energy flux, while the arrows show the vector averaged flux.

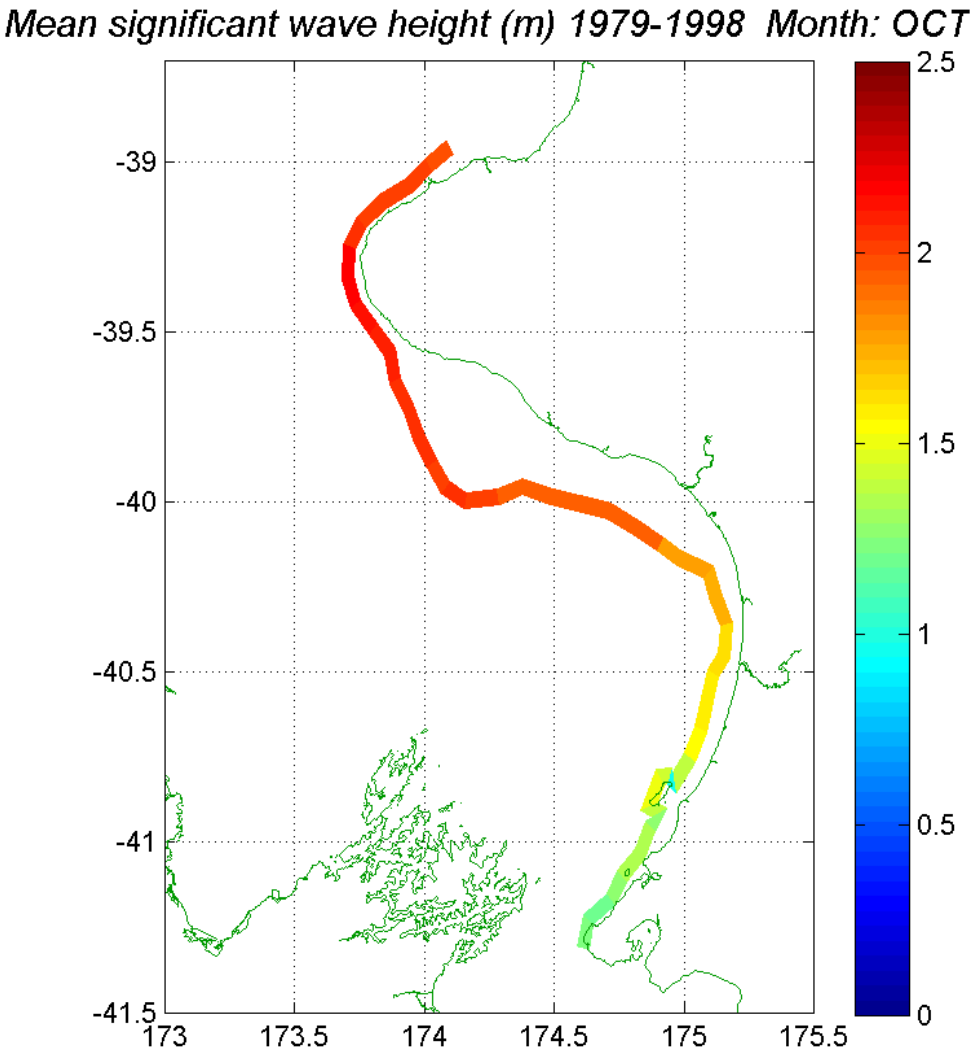

Figure A1.19. Spatial distribution along the 50 m isobath of mean significant wave height, averaged over all October data in the 20-year hindcast record.

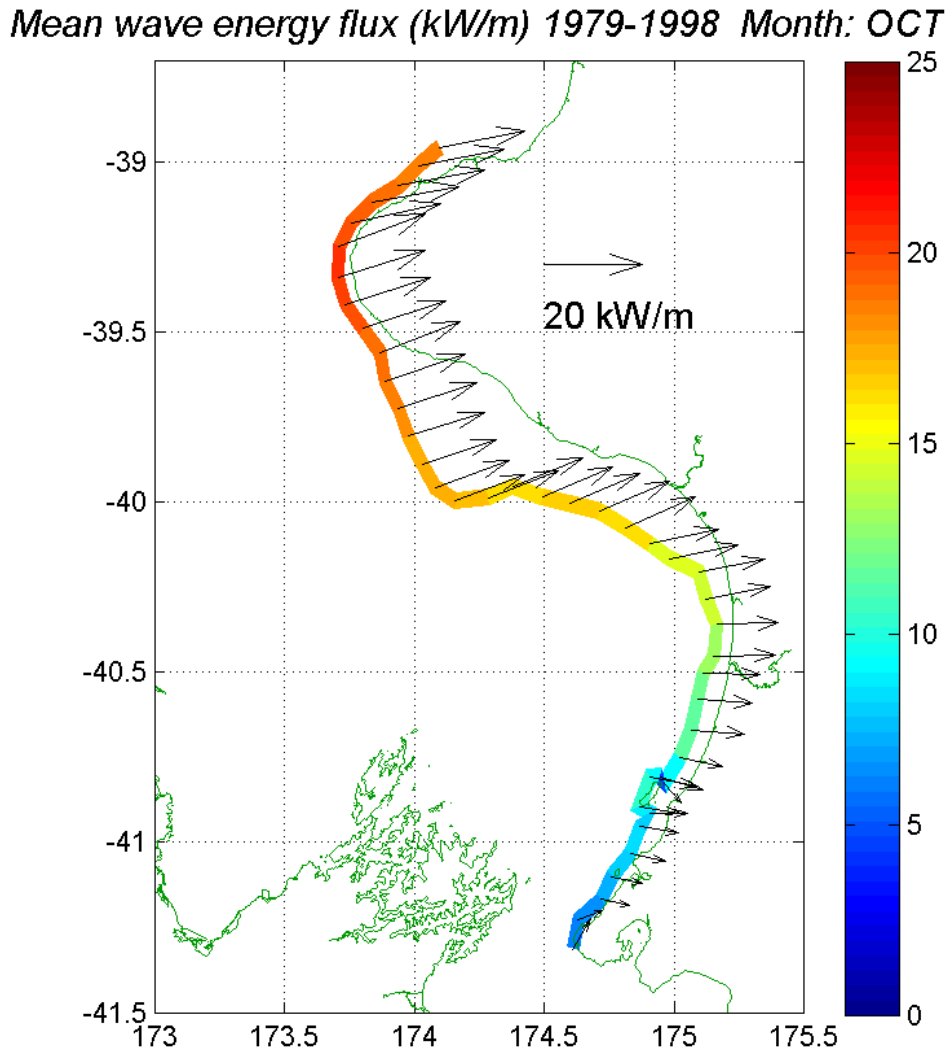

Figure A1.20. Spatial distribution along the 50 m isobath of mean wave energy flux, averaged over all October data in the 20-year hindcast record. The colour scale shows the mean of the magnitude of the energy flux, while the arrows show the vector averaged flux.

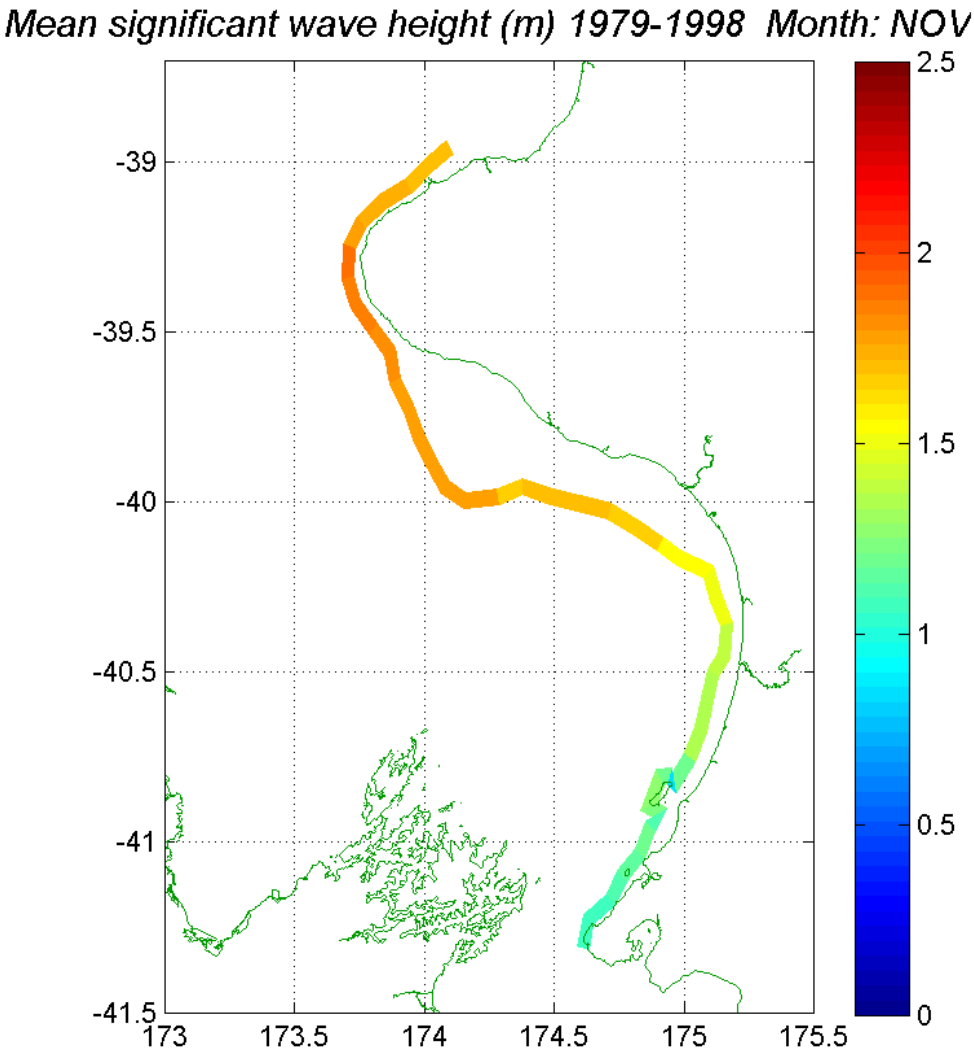

Figure A1.21. Spatial distribution along the 50 m isobath of mean significant wave height, averaged over all October data in the 20-year hindcast record.

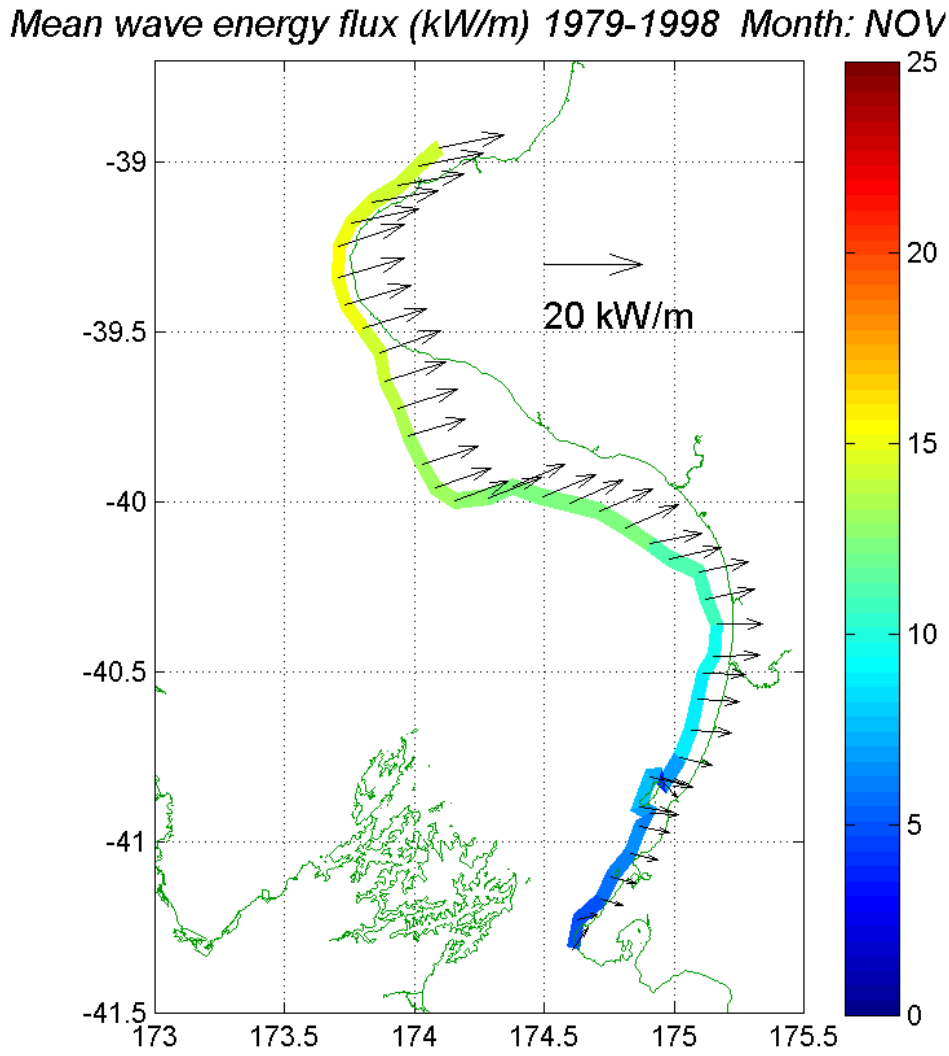

Figure A1.22. Spatial distribution along the 50 m isobath of mean wave energy flux, averaged over all November data in the 20-year hindcast record. The colour scale shows the mean of the magnitude of the energy flux, while the arrows show the vector averaged flux.

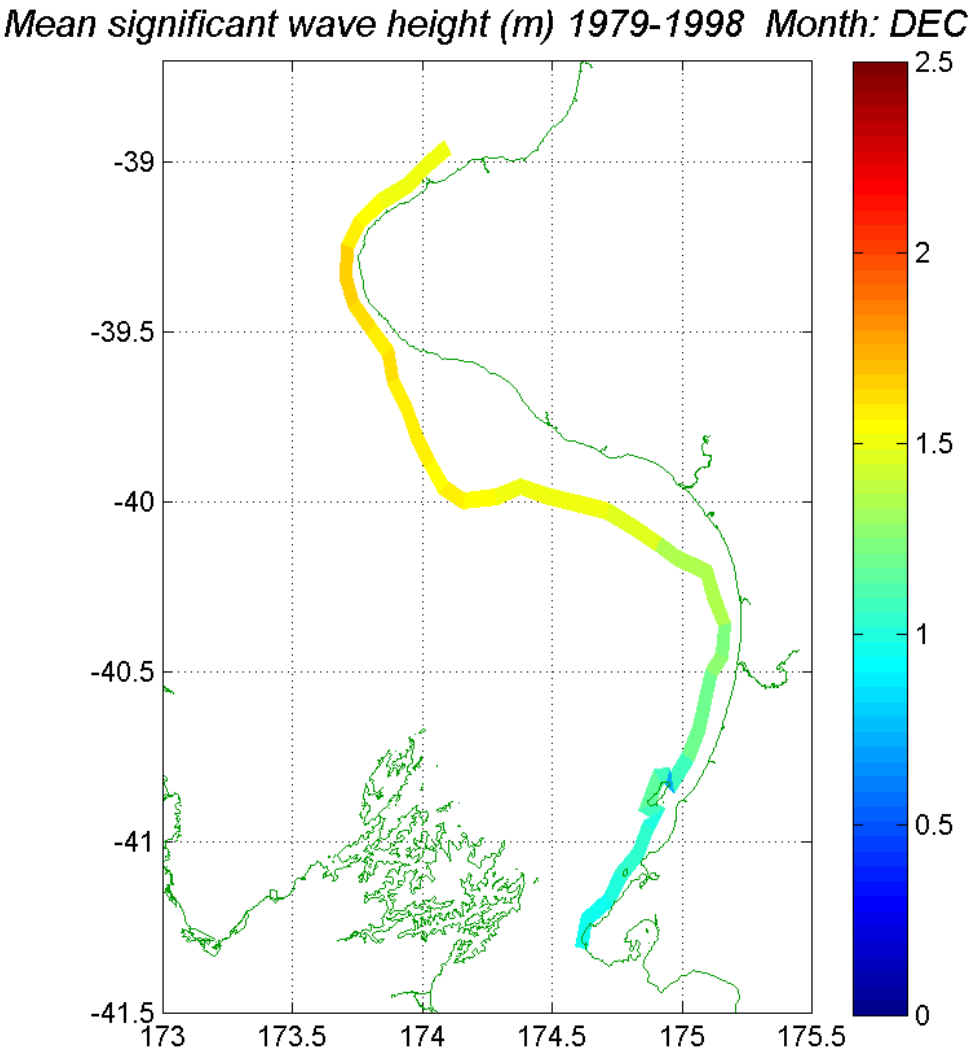

Figure A1.23. Spatial distribution along the 50 m isobath of mean significant wave height, averaged over all December data in the 20-year hindcast record.

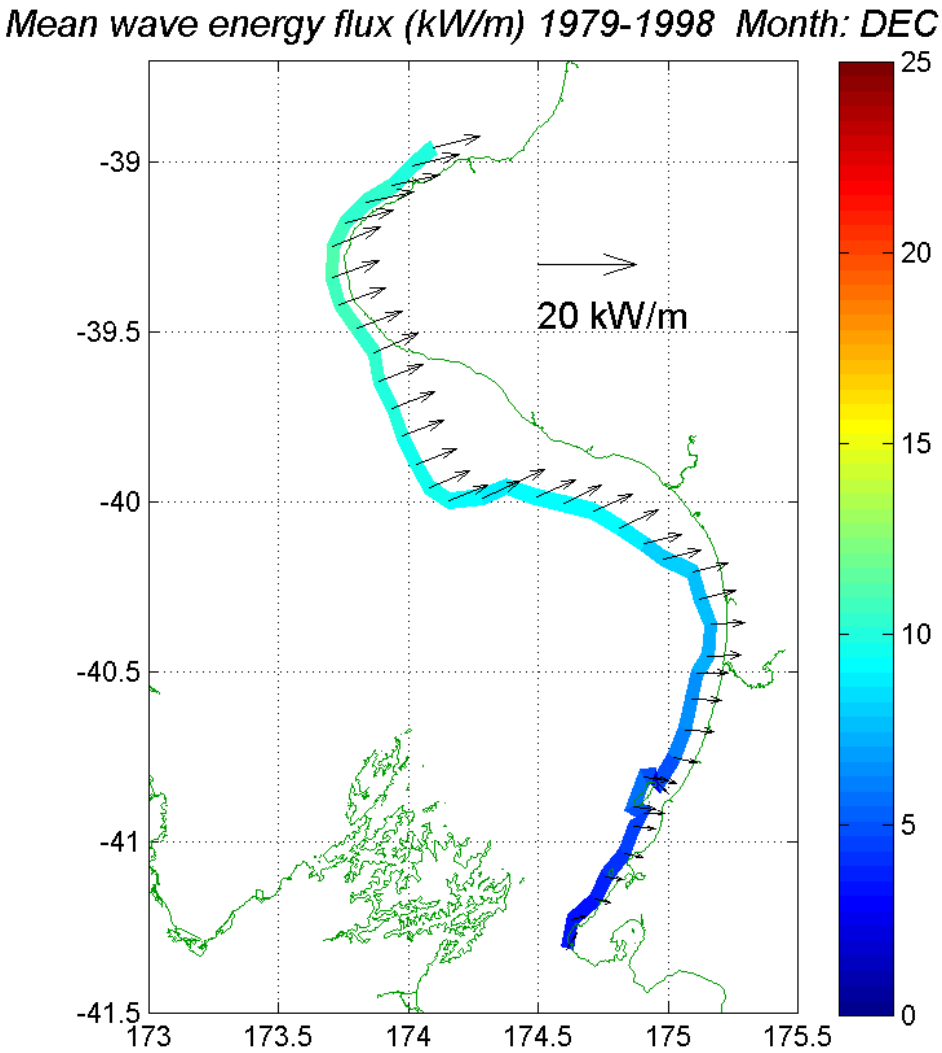

Figure A1.24. Spatial distribution along the 50 m isobath of mean wave energy flux, averaged over all December data in the 20-year hindcast record. The colour scale shows the mean of the magnitude of the energy flux, while the arrows show the vector averaged flux.