
APPENDIX C. CSIRO GROUND-TRUTH DATA FOR THE RECHERCHE ARCHIPELAGO REGION.

Site No	Location	Habitat type	Substrate	Latitude (decimal degrees)	Longitude (decimal degrees)	Depth	Biological assemblage	Recorder	Observation	Date	MPRSWG	Bioregion	GPS type	Datum
RAR_0001	Recherche Archipelago	Perennial seagrass (sparse)	Sand	-33.83331	121.99238	-10.9	Sparse clumps of seagrass on sand. Posidonia Kirkmanii, Posidonia Ostenfeldii, Posidonia robertsonae (STN 1)	CSIRO	Direct	06/04/94	RAR	WSC	GPS	GDA94
RAR_0002	Recherche Archipelago	Perennial seagrass (dense)	Sand	-33.85122	121.99841	-22.2	Dense seagrass, many species, well growing. Posidonia robertsonae, Amphibolis antarctica, Amphibolis griffithii, Posidonia denhartogii, Heterozostera tasmanica (STN 2)	CSIRO	Direct	06/04/94	RAR	WSC	GPS	GDA94
RAR_0003	Recherche Archipelago	Perennial seagrass (dense)	Sand	-33.84454	121.95846	-11.5	Dense seagrass, many species, well growing. Amphibolis griffithii, Posidonia sinuosa, Posidonia angustifolia, Posidonia robertsonae, Posidonia denhartogii, Heterozostera tasmanica (STN 3)	CSIRO	Direct	06/04/94	RAR	WSC	GPS	GDA94
RAR_0004	Recherche Archipelago	Perennial seagrass (dense)	Sand	-33.93546	122.33429	-16.7	Dense seagrass, mainly Posidonia on sand, some limestone plates. Posidonia ostenfeldii, Posidonia sinuosa, Amphibolis griffithii, Amphibolis antarctica (STN 5)	CSIRO	Direct	06/04/94	RAR	WSC	GPS	GDA94
RAR_0005	Recherche Archipelago	Subtidal reef platform	Limestone	-33.93268	122.32162	-5.3	Flat limestone rock and sand patches (STN 6)	CSIRO	Direct	06/04/94	RAR	WSC	GPS	GDA94
RAR_0006	Recherche Archipelago	Perennial seagrass (sparse)	Sand	-33.94133	122.32119	-19.8	Dense seagrass patches of Posidonia robertsonae and Posidonia kirkmanii, long windows of detritus (STN 7)	CSIRO	Direct	06/04/94	RAR	WSC	GPS	GDA94
RAR_0007	Recherche Archipelago	Perennial seagrass (dense)	Sand	-33.85651	121.90812	-12	Dense seagrass, Posidonia sinuosa, Halophila australis, Posidonia australis, Amphibolis antarctica (STN 10)	CSIRO	Direct	06/04/94	RAR	WSC	GPS	GDA94
RAR_0008	Recherche Archipelago	Perennial seagrass (dense)	Sand	-33.85917	121.90035	-3.6	Dense seagrass, Posidonia sinuosa, Halophila australis, Posidonia australis, Posidonia robertsonae (STN 11)	CSIRO	Direct	06/04/94	RAR	WSC	GPS	GDA94
RAR_0009	Recherche Archipelago	Perennial seagrass (dense)	Sand	-33.84772	121.90869	-7	Dense seagrass, Posidonia sinuosa (STN12)	CSIRO	Direct	06/04/94	RAR	WSC	GPS	GDA94
RAR_0010	Recherche Archipelago	Perennial seagrass (dense)	Sand	-33.84421	121.92619	-11.4	Dense seagrass, Posidonia sinuosa, Posidonia robertsonae (STN 13)	CSIRO	Direct	06/04/94	RAR	WSC	GPS	GDA94
RAR_0011	Recherche Archipelago	Perennial seagrass (dense)	Sand	-33.95971	122.01989	-9	Dense seagrass, Posidonia sinuosa (STN 14)	CSIRO	Direct	06/04/94	RAR	WSC	GPS	GDA94

Site No	Location	Habitat type	Substrate	Latitude (decimal degrees)	Longitude (decimal degrees)	Depth	Biological assemblage	Recorder	Observation	Date	MPRSWG	Bioregion	GPS type	Datum
RAR_0012	Recherche Archipelago	Perennial seagrass (medium)	Sand	-33.99215	122.27832	-9.9	Dense seagrass patches of <i>Posidonia sinuosa</i> , <i>Halophila australis</i> , <i>Heterozostera tasmanica</i> , <i>Amphibolis griffithii</i> (STN 15)	CSIRO	Direct	06/04/94	RAR	WSC	GPS	GDA94
RAR_0013	Recherche Archipelago	Perennial seagrass (medium)	Sand	-33.98126	122.272	-8.7	Dense seagrass patches of <i>Posidonia sinuosa</i> , <i>Posidonia australis</i> , <i>Posidonia robertsonae</i> (STN 16)	CSIRO	Direct	06/04/94	RAR	WSC	GPS	GDA94
RAR_0014	Recherche Archipelago	Perennial seagrass (medium)	Sand	-33.9734	122.27027	-6.1	Dense seagrass patches of <i>Posidonia sinuosa</i> , some <i>Posidonia australis</i> , <i>Posidonia robertsonae</i> (STN 17)	CSIRO	Direct	06/04/94	RAR	WSC	GPS	GDA94
RAR_0015	Recherche Archipelago	Perennial seagrass (medium)	Sand	-33.95597	122.28281	-9.2	Dense seagrass patches of <i>Posidonia sinuosa</i> , <i>Posidonia robertsonae</i> , <i>Amphibolis griffithii</i> (STN 18)	CSIRO	Direct	06/04/94	RAR	WSC	GPS	GDA94
RAR_0016	Recherche Archipelago	Perennial seagrass (medium)	Sand	-33.95368	122.30113	-12	Dense seagrass patches of <i>Posidonia kirkmanii</i> , <i>Posidonia robertsonae</i> (STN 19)	CSIRO	Direct	06/04/94	RAR	WSC	GPS	GDA94
RAR_0017	Recherche Archipelago	Perennial seagrass (dense)	Sand	-33.85885	121.94448	-25	Dense seagrass, sand and limestone. <i>Posidonia kirkmanii</i> , <i>Posidonia robertsonae</i> , <i>Halophila australis</i> , <i>Heterozostera tasmanica</i> , <i>Amphibolis antarctica</i> , <i>Posidonia sinuosa</i> , <i>Amphibolis griffithii</i> (STN 20)	CSIRO	Direct	06/04/94	RAR	WSC	GPS	GDA94
RAR_0018	Recherche Archipelago	Perennial seagrass (dense)	Sand	-33.86515	121.94448	-28	Dense seagrass, <i>Halophila australis</i> , <i>Amphibolis antarctica</i> , <i>Posidonia kirkmanii</i> , <i>Posidonia robertsonae</i> (STN 21)	CSIRO	Direct	06/04/94	RAR	WSC	GPS	GDA94
RAR_0019	Recherche Archipelago	Perennial seagrass (dense)	Sand	-33.9691	122.31705	-27	Dense seagrass, mainly <i>Posidonia robertsonae</i> . Many bivalves and some <i>Posidonia sinuosa</i> , <i>Amphibolis australis</i> , <i>Heterozostera tasmanica</i> (STN 23)	CSIRO	Direct	06/04/94	RAR	WSC	GPS	GDA94
RAR_0020	Recherche Archipelago	Perennial seagrass (dense)	Sand	-33.97365	122.32392	-30	Dense seagrass, <i>Posidonia robertsonae</i> , <i>Posidonia angustifolia</i> (STN 24)	CSIRO	Direct	06/04/94	RAR	WSC	GPS	GDA94
RAR_0021	Recherche Archipelago	Macroalgae dominated limestone reef (low relief)	Limestone	-33.97846	122.32859	-33	Low profile platform reef, rock and macroalgae (STN 25)	CSIRO	Direct	06/04/94	RAR	WSC	GPS	GDA94
RAR_0022	Recherche Archipelago	Perennial seagrass (sparse)	Sand	-33.9751	122.32832	-31	Sparse seagrass on sand, <i>Posidonia sinuosa</i> (STN 26)	CSIRO	Direct	06/04/94	RAR	WSC	GPS	GDA94
RAR_0023	Recherche Archipelago	Perennial seagrass (sparse)	Sand	-33.96426	122.3152	-30	Sparse seagrass (STN 27)	CSIRO	Direct	06/04/94	RAR	WSC	GPS	GDA94

Site No	Location	Habitat type	Substrate	Latitude (decimal degrees)	Longitude (decimal degrees)	Depth	Biological assemblage	Recorder	Observation	Date	MPRSWG	Bioregion	GPS type	Datum
RAR_0024	Recherche Archipelago	Perennial seagrass (dense)	Sand	-33.93312	122.58826	-6	Dense continuous seagrass meadows, Posidonia sinuosa (STN 30)	CSIRO	Direct	07/04/94	RAR	WSC	GPS	GDA94
RAR_0025	Recherche Archipelago	Perennial seagrass (dense)	Sand	-33.92528	122.58251	-4	Dense seagrass, Posidonia sinuosa, Amphibolis griffithii, posidonia australis (STN 31)	CSIRO	Direct	07/04/94	RAR	WSC	GPS	GDA94
RAR_0026	Recherche Archipelago	Perennial seagrass (medium)	Sand	-33.91674	122.58269	-5	Dense seagrass patches, mainly Posidonia australis. Some Posidonia robertsonae, Amphibolis antarctica, Posidonia sinuosa (STN 32)	CSIRO	Direct	07/04/94	RAR	WSC	GPS	GDA94
RAR_0027	Recherche Archipelago	Perennial seagrass (dense)	Sand	-33.9113	122.59572	-3	Dense seagrass, mainly Posidonia australis. Also Posidonia robertsonae, Amphibolis antarctica, Posidonia sinuosa (STN 34)	CSIRO	Direct	07/04/94	RAR	WSC	GPS	GDA94
RAR_0028	Recherche Archipelago	Perennial seagrass (medium)	Sand	-33.90501	122.59759	-6.6	Dense to medium seagrass patches, mainly Posidonia sinuosa. Also Posidonia australis, Posidonia robertsonae (STN 35)	CSIRO	Direct	07/04/94	RAR	WSC	GPS	GDA94
RAR_0029	Recherche Archipelago	Perennial seagrass (medium)	Sand	-33.90409	122.82049	-9	Dense seagrass patches, Posidonia robertsonae, Posidonia ostenfeldii (STN 36)	CSIRO	Direct	07/04/94	RAR	WSC	GPS	GDA94
RAR_0030	Recherche Archipelago	Perennial seagrass (sparse)		-33.90749	122.82267	-3	Flat rock, sand, Amphibolis griffithii, Posidonia sinuosa, Posidonia ostengeldii (STN 37)	CSIRO	Direct	07/04/94	RAR	WSC	GPS	GDA94
RAR_0031	Recherche Archipelago	Shoreline reef platform		-33.92248	122.81245	-14.8	Low profile platform reef, brown macroalgae (STN 38)	CSIRO	Direct	07/04/94	RAR	WSC	GPS	GDA94
RAR_0032	Recherche Archipelago	Perennial seagrass (dense)	Sand	-33.97619	123.15225	-6.3	Dense seagrass, Heterozostera tasmanica, Posidonia robertsonae, Posidonia australis (STN 39)	CSIRO	Direct	07/04/94	RAR	WSC	GPS	GDA94
RAR_0033	Recherche Archipelago	Perennial seagrass (medium)	Sand	-33.9025	122.59997	-6.8	Dense seagrass patches, Posidonia sinuosa, Amphibolis griffithii and sand. Small patches of Posidonia robertsonae (STN 40)	CSIRO	Direct	07/04/94	RAR	WSC	GPS	GDA94
RAR_0034	Recherche Archipelago	Perennial seagrass (medium)	Sand	-33.8955	122.62226	-7.8	Dense seagrass patches, mainly Posidonia kirkmanii. Also Amphibolis antarctica, Amphibolis griffithii, Posidonia ostenfeldii, Posidonia sinuosa and sand (STN 41)	CSIRO	Direct	07/04/94	RAR	WSC	GPS	GDA94
RAR_0035	Recherche Archipelago	Perennial seagrass (medium)	Sand	-33.895	122.63945	-8.6	Dense seagrass patches, Posidonia kirkmanii, Amphibolis griffithii, Posidonia robertsonae, Posidonia sinuosa and sand (STN 42)	CSIRO	Direct	07/04/94	RAR	WSC	GPS	GDA94
RAR_0036	Recherche Archipelago	Perennial seagrass (medium)	Sand	-33.90073	122.64583	-13	Dense seagrass patches, Posidonia kirkmanii, Posidonia robertsonae, Posidonia sinuosa (STN 43)	CSIRO	Direct	07/04/94	RAR	WSC	GPS	GDA94

Site No	Location	Habitat type	Substrate	Latitude (decimal degrees)	Longitude (decimal degrees)	Depth	Biological assemblage	Recorder	Observation	Date	MPRSWG	Bioregion	GPS type	Datum
RAR_0037	Recherche Archipelago	Perennial seagrass (dense)	Sand	-33.90711	122.64916	-13	Dense seagrass, mainly <i>Posidonia roberstonae</i> , also <i>Posidonia kirkmanii</i> , <i>Heterozostera tasmanica</i> , <i>Amphibolis antarctica</i> , <i>Posidonia sinuosa</i> , <i>Amphibolis griffithii</i> , <i>Halophila ovalis</i> (STN 44)	CSIRO	Direct	07/04/94	RAR	WSC	GPS	GDA94
RAR_0038	Recherche Archipelago	Sand	Sand	-33.90417	122.74302	-23.6	Bare sand (STN 45)	CSIRO	Direct	07/04/94	RAR	WSC	GPS	GDA94
RAR_0039	Recherche Archipelago	Perennial seagrass (dense)	Sand	-33.89708	122.74986	-11.2	Dense seagrass, <i>Posidonia sinuosa</i> , <i>Posidonia robertsonae</i> (STN 46)	CSIRO	Direct	07/04/94	RAR	WSC	GPS	GDA94
RAR_0040	Recherche Archipelago	Perennial seagrass (dense)	Sand	-33.8919	122.74877	-2.1	Dense seagrass (STN 47)	CSIRO	Direct	07/04/94	RAR	WSC	GPS	GDA94
RAR_0041	Recherche Archipelago	Macroalgae dominated granite reef (high relief)	Limestone	-33.89057	122.7577	-15.5	Heavy limestone reef (STN 48)	CSIRO	Direct	07/04/94	RAR	WSC	GPS	GDA94
RAR_0042	Recherche Archipelago	Sand	Sand	-33.88983	122.77469	-22.6	Bare sand (STN 49)	CSIRO	Direct	07/04/94	RAR	WSC	GPS	GDA94
RAR_0043	Recherche Archipelago	Perennial seagrass (dense)	Sand	-33.92264	122.63483	-19	Dense seagrass, <i>Posidonia</i> sp., <i>Halophila australis</i> , <i>Amphibolis antarctica</i> (STN 50)	CSIRO	Direct	07/04/94	RAR	WSC	GPS	GDA94
RAR_0044	Recherche Archipelago	Perennial seagrass (dense)	Sand	-33.93225	122.6434	-21	Dense seagrass, <i>Posidonia robertsonae</i> , <i>Posidonia sinuosa</i> , <i>Halophila australis</i> , <i>Amphibolis</i> sp. (STN 51)	CSIRO	Direct	07/04/94	RAR	WSC	GPS	GDA94
RAR_0045	Recherche Archipelago	Subtidal reef platform		-33.93882	122.65095	-22	Low profile platform reef, <i>Posidonia robertsonae</i> (STN 52)	CSIRO	Direct	07/04/94	RAR	WSC	GPS	GDA94
RAR_0046	Recherche Archipelago	Subtidal reef platform		-33.94548	122.65588	-25	Low profile platform reef, <i>Posidonia sinuosa</i> , <i>Amphibolis antarctica</i> (STN 53)	CSIRO	Direct	07/04/94	RAR	WSC	GPS	GDA94
RAR_0047	Recherche Archipelago	Perennial seagrass (medium)		-33.92232	122.66794	-19	Low profile platform reef, mixed seagrass, <i>Posidonia robertsonae</i> , <i>Posidonia sinuosa</i> (STN 57)	CSIRO	Direct	07/04/94	RAR	WSC	GPS	GDA94
RAR_0048	Recherche Archipelago	Macroalgae dominated limestone reef (high relief)	Limestone	-33.909	122.77506	-32	Heavy limestone reef, kelp (STN 58)	CSIRO	Direct	07/04/94	RAR	WSC	GPS	GDA94
RAR_0049	Recherche Archipelago	Subtidal reef platform		-33.90083	122.78916	-30	Low profile platform reef, rubble, algae (STN 59)	CSIRO	Direct	07/04/94	RAR	WSC	GPS	GDA94

Site No	Location	Habitat type	Substrate	Latitude (decimal degrees)	Longitude (decimal degrees)	Depth	Biological assemblage	Recorder	Observation	Date	MPRSWG	Bioregion	GPS type	Datum
RAR_0050	Recherche Archipelago	Perennial seagrass (medium)	Sand	-33.89746	122.79414	-26	Dense seagrass patches, Posidonia robertsonae, Posidonia kirkmanii, Amphibolis antarctica, Amphibolis griffithii, Posidonia sinuosa. Windows of sand (STN 60)	CSIRO	Direct	07/04/94	RAR	WSC	GPS	GDA94
RAR_0051	Recherche Archipelago	Perennial seagrass (sparse)	Sand	-33.93796	122.80645	-26	Sparse seagrass, Posidonia roberstonae (STN 61)	CSIRO	Direct	07/04/94	RAR	WSC	GPS	GDA94
RAR_0052	Recherche Archipelago	Sand	Sand	-33.88537	122.77719	-16.9	Bare sand (STN 70)	CSIRO	Direct	07/04/94	RAR	WSC	GPS	GDA94
RAR_0053	Recherche Archipelago	Perennial seagrass (medium)	Sand	-33.96249	123.15729	-11.1	Medium seagrass, Posidonia robertsonae, Amphibolis griffithii, Halophila australis (STN 71)	CSIRO	Direct	07/04/94	RAR	WSC	GPS	GDA94
RAR_0054	Recherche Archipelago	Perennial seagrass (dense)	Sand	-33.97127	123.15708	-5.2	Dense seagrass, Posidonia sinuosa (STN 72)	CSIRO	Direct	07/04/94	RAR	WSC	GPS	GDA94
RAR_0055	Recherche Archipelago	Perennial seagrass (dense)	Sand	-33.97611	123.15226	-4.4	Dense seagrass, Posidonia australis, Amphibolis antarctica (STN 73)	CSIRO	Direct	07/04/94	RAR	WSC	GPS	GDA94
RAR_0056	Recherche Archipelago	Perennial seagrass (dense)	Sand	-33.98122	123.15354	-9.5	Dense seagrass, Posidonia sinuosa, Amphibolis griffithii, Posidonia robertsonae (STN 74)	CSIRO	Direct	07/04/94	RAR	WSC	GPS	GDA94
RAR_0057	Recherche Archipelago	Perennial seagrass (sparse)	Sand	-33.99354	123.14856	-21	Sparse seagrass, Posidonia ostenfeldii (STN 80)	CSIRO	Direct	07/04/94	RAR	WSC	GPS	GDA94
RAR_0058	Recherche Archipelago	Subtidal reef platform		-34.00321	123.15413	-26	Low profile platform reef, kelp, stones (STN 81)	CSIRO	Direct	07/04/94	RAR	WSC	GPS	GDA94
RAR_0059	Recherche Archipelago	Perennial seagrass (dense)	Sand	-34.00636	123.16452	-6	Dense seagrass, Posidonia australis, Posidonia kirkmanii, Posidonia robertsonae (STN 82)	CSIRO	Direct	07/04/94	RAR	WSC	GPS	GDA94
RAR_0060	Recherche Archipelago	Perennial seagrass (dense)	Sand	-33.99656	123.17011	-6	Dense seagrass, Posidonia robertsonae (STN 83)	CSIRO	Direct	07/04/94	RAR	WSC	GPS	GDA94
RAR_0061	Recherche Archipelago	Perennial seagrass (dense)	Sand	-33.9942	123.16428	-23	Dense seagrass, Posidonia robertsonae (STN 84)	CSIRO	Direct	07/04/94	RAR	WSC	GPS	GDA94
RAR_0062	Recherche Archipelago	Perennial seagrass (sparse)	Sand	-33.98748	123.15884	-16	Sparse seagrass, Posidonia kirkmanii, Posidonia robertsonae, Posidonia sinuosa (STN 85)	CSIRO	Direct	07/04/94	RAR	WSC	GPS	GDA94
RAR_0063	Recherche Archipelago	Macroalgae dominated limestone reef (high relief)	Limestone	-33.92405	123.50159	-15	Heavy limestone reef (STN 86)	CSIRO	Direct	08/04/94	RAR	WSC	GPS	GDA94
RAR_0064	Recherche Archipelago	Perennial seagrass (dense)	Sand	-33.97741	123.15521	-6.3	Dense seagrass, Posidonia robertsonae (STN 90)	CSIRO	Direct	07/04/94	RAR	WSC	GPS	GDA94

Site No	Location	Habitat type	Substrate	Latitude (decimal degrees)	Longitude (decimal degrees)	Depth	Biological assemblage	Recorder	Observation	Date	MPRSWG	Bioregion	GPS type	Datum
RAR_0065	Recherche Archipelago	Perennial seagrass (dense)	Sand	-33.98244	123.16026	-9.4	Dense seagrass, Posidonia robertsonae (STN 91)	CSIRO	Direct	07/04/94	RAR	WSC	GPS	GDA94
RAR_0066	Recherche Archipelago	Perennial seagrass (dense)	Sand	-33.99081	123.16663	-10	Dense seagrass, Posidonia robertsonae, Posidonia sinuosa (STN 92)	CSIRO	Direct	07/04/94	RAR	WSC	GPS	GDA94
RAR_0067	Recherche Archipelago	Subtidal reef platform		-33.60893	123.89775	-11.4	Low profile platform reef, mainly reef, some Posidonia kirkmanii, posidonia robertsonae, Posidonia sinuosa, Amphibolis griffithii (STN 100)	CSIRO	Direct	08/04/94	RAR	WSC	GPS	GDA94
RAR_0068	Recherche Archipelago	Perennial seagrass (dense)	Sand	-33.60662	123.87939	-8.5	Dense seagrass, Amphibolis antarctica, Posidonia sinuosa (STN 101)	CSIRO	Direct	08/04/94	RAR	WSC	GPS	GDA94
RAR_0069	Recherche Archipelago	Subtidal reef platform		-34.05531	123.87679	-6.4	Low profile platform reef, Scaberia, Posidonia sinuosa, Posidonia robertsonae (STN 102)	CSIRO	Direct	08/04/94	RAR	WSC	GPS	GDA94
RAR_0070	Recherche Archipelago	Sand	Sand	-33.64833	123.84636	-12.6	Sand (STN 105)	CSIRO	Direct	08/04/94	RAR	WSC	GPS	GDA94
RAR_0071	Recherche Archipelago	Sand	Sand	-33.6474	123.84462	-4.1	Sand (STN 106)	CSIRO	Direct	08/04/94	RAR	WSC	GPS	GDA94
RAR_0072	Recherche Archipelago	Perennial seagrass (sparse)	Sand	-33.90873	123.84563	-11.1	Sparse seagrass, Posidonia ostenfeldii, Posidonia kirkmanii (STN 107)	CSIRO	Direct	08/04/94	RAR	WSC	GPS	GDA94
RAR_0073	Recherche Archipelago	Perennial seagrass (dense)	Sand	-33.66146	123.83171	-12	Dense seagrass, Amphibolis antarctica, Amphibolis griffithii, Posidonia ostenfeldii, Halophila australis, Heterozostera tasmanica (STN 108)	CSIRO	Direct	08/04/94	RAR	WSC	GPS	GDA94
RAR_0074	Recherche Archipelago	Perennial seagrass (dense)	Sand	-33.7573	123.75446	-3	Dense seagrass, Posidonia sinuosa (STN 109)	CSIRO	Direct	08/04/94	RAR	WSC	GPS	GDA94
RAR_0075	Recherche Archipelago	Perennial seagrass (dense)	Sand	-33.60138	123.90245		Dense seagrass, Posidonia ostenfeldii, Posidonia kirkmanii, Posidonia robertsonae, Amphibolis griffithii (STN 110)	CSIRO	Direct	08/04/94	RAR	WSC	GPS	GDA94
RAR_0076	Recherche Archipelago	Perennial seagrass (dense)	Granite	-33.59842	123.89982	-4	Granite reef, Amphibolis antarctica, Posidonia robertsonae, Posidonia ostenfeldii (STN 111)	CSIRO	Direct	08/04/94	RAR	WSC	GPS	GDA94
RAR_0077	Recherche Archipelago	Perennial seagrass (dense)	Sand	-33.59588	123.90095	-3	Dense seagrass, Posidonia australis, posidonia robertsonae, Posidonia sinuosa (STN 112)	CSIRO	Direct	08/04/94	RAR	WSC	GPS	GDA94
RAR_0078	Recherche Archipelago	Macroalgae dominated limestone reef (high relief)	Limestone	-33.59699	123.88576	-7.8	Heavy limestone reef, Posidonia kirkmanii, Amphibolis antarctica, Amphibolis griffithii, Posidonia ostenfeldii (STN 113)	CSIRO	Direct	08/04/94	RAR	WSC	GPS	GDA94

Site No	Location	Habitat type	Substrate	Latitude (decimal degrees)	Longitude (decimal degrees)	Depth	Biological assemblage	Recorder	Observation	Date	MPRSWG	Bioregion	GPS type	Datum
RAR_0079	Recherche Archipelago	Subtidal reef platform		-33.59699	123.88576	-3.3	Low profile platform reef, flat rock, Amphibolis antarctica (STN 114)	CSIRO	Direct	08/04/94	RAR	WSC	GPS	GDA94
RAR_0080	Recherche Archipelago	Subtidal reef platform		-33.63717	123.86881	-8.1	Low profile platform reef, flat rock, brown algae, Posidonia kirkmanii in clumps (STN 115)	CSIRO	Direct	08/04/94	RAR	WSC	GPS	GDA94
RAR_0081	Recherche Archipelago	Subtidal reef platform		-33.64282	123.86054	-11.3	Low profile platform reef, flat rock, weed and Posidonia kirkmanii, Posidonia sinuosa, Posidonia robertsonae (STN 116)	CSIRO	Direct	08/04/94	RAR	WSC	GPS	GDA94
RAR_0082	Recherche Archipelago	Perennial seagrass (dense)	Sand	-33.66293	123.82287		Dense seagrass beds of Posidonia australis. Some Posidonia robertsonae, Amphibolis antarctica (STN 117)	CSIRO	Direct	08/04/94	RAR	WSC	GPS	GDA94
RAR_0083	Recherche Archipelago	Perennial seagrass (dense)	Sand	-33.79464	123.76033	-5	Dense seagrass, Posidonia robertsonae, Posidonia sinuosa, Amphibolis griffithii, Amphibolis antarctica (STN 118)	CSIRO	Direct	08/04/94	RAR	WSC	GPS	GDA94
RAR_0084	Recherche Archipelago	Macroalgae dominated limestone reef (high relief)	Limestone	-33.78309	123.75494	-13	Heavy limestone reef, seaweed, kelp and rock (STN 120)	CSIRO	Direct	08/04/94	RAR	WSC	GPS	GDA94
RAR_0085	Recherche Archipelago	Perennial seagrass (medium)	Sand	-33.61995	123.91864	-12	Medium seagrass, Amphibolis antarctica, Posidonia kirkmanii, Posidonia denhartogii (STN 121)	CSIRO	Direct	08/04/94	RAR	WSC	GPS	GDA94
RAR_0086	Recherche Archipelago	Macroalgae dominated limestone reef (high relief)	Limestone	-33.61443	123.91253	-11	Heavy limestone reef, kelp, weed (STN 122)	CSIRO	Direct	08/04/94	RAR	WSC	GPS	GDA94
RAR_0087	Recherche Archipelago	Macroalgae dominated limestone reef (low relief)		-33.61639	123.89291	-16	Low profile platform reef, 70% weed cover and Posidonia robertsonae, Posidonia kirkmanii, Amphibolis griffithii (STN 123)	CSIRO	Direct	08/04/94	RAR	WSC	GPS	GDA94
RAR_0088	Recherche Archipelago	Perennial seagrass (dense)	Sand	-33.66989	123.85864	-18	Dense seagrass, Posidonia kirkmanii (STN 124)	CSIRO	Direct	08/04/94	RAR	WSC	GPS	GDA94
RAR_0089	Recherche Archipelago	Macroalgae dominated limestone reef (low relief)		-33.68111	123.86392	-21	Low profile platform reef, weed, rubble (STN 125)	CSIRO	Direct	08/04/94	RAR	WSC	GPS	GDA94

Site No	Location	Habitat type	Substrate	Latitude (decimal degrees)	Longitude (decimal degrees)	Depth	Biological assemblage	Recorder	Observation	Date	MPRSWG	Bioregion	GPS type	Datum
RAR_0090	Recherche Archipelago	Macroalgae dominated limestone reef (low relief)		-33.69012	123.86611	-28	Low profile platform reef, weed, stone (STN 126)	CSIRO	Direct	08/04/94	RAR	WSC	GPS	GDA94
RAR_0091	Recherche Archipelago	Macroalgae dominated limestone reef (high relief)	Limestone	-33.77317	123.87674	-18	Heavy limestone reef, seaweed (STN 127)	CSIRO	Direct	08/04/94	RAR	WSC	GPS	GDA94
RAR_0092	Recherche Archipelago	Perennial seagrass (medium)	Sand	-33.70754	123.85502	-18	Medium seagrass, Posidonia robertsonae, Posidonia kirkmanii, Amphibolis australis (STN 128)	CSIRO	Direct	08/04/94	RAR	WSC	GPS	GDA94
RAR_0093	Recherche Archipelago	Shoreline reef platform		-33.70947	123.85369	-12	Low profile platform reef, weed, Amphibolis antarctica, Halophila australis (STN 130)	CSIRO	Direct	08/04/94	RAR	WSC	GPS	GDA94
RAR_0094	Recherche Archipelago	Shoreline reef platform		-33.77317	123.79027	-24	Low profile platform reef, sand, rubble (STN 131)	CSIRO	Direct	08/04/94	RAR	WSC	GPS	GDA94
RAR_0095	Recherche Archipelago	Shoreline reef platform		-33.78252	123.80415	-27	Low profile platform reef, rock (STN 133)	CSIRO	Direct	09/04/94	RAR	WSC	GPS	GDA94
RAR_0096	Recherche Archipelago	Shoreline reef platform		-33.89516	123.61117	-18	Low profile platform reef, stones (STN 134)	CSIRO	Direct	09/04/94	RAR	WSC	GPS	GDA94
RAR_0097	Recherche Archipelago	Sand	Sand	-33.89301	123.5933	-11	Bare sand (STN 135)	CSIRO	Direct	09/04/94	RAR	WSC	GPS	GDA94
RAR_0098	Recherche Archipelago	Perennial seagrass (dense)	Sand	-33.8855	123.56532	-14	Dense seagrass, Posidonia ostenfeldii, Posidonia kirkmanii, Posidonia robertsonae, Posidonai sinuosa, Heterozostera tasmanica (STN 136)	CSIRO	Direct	09/04/94	RAR	WSC	GPS	GDA94
RAR_0099	Recherche Archipelago	Subtidal reef platform		-33.90643	123.39149	-14	Low profile platform reef, weed, Posidonia dnehartogii, sand (STN 138)	CSIRO	Direct	09/04/94	RAR	WSC	GPS	GDA94
RAR_0100	Recherche Archipelago	Subtidal reef platform		-33.90688	123.37078	-17	Low profile platform reef, weed, rock and occasional Posidonia sp. (STN 139)	CSIRO	Direct	09/04/94	RAR	WSC	GPS	GDA94
RAR_0101	Recherche Archipelago	Macroalgae dominated limestone reef (high relief)	Limestone	-33.76205	123.75278	-3.6	Heavy limestone reef, seaweed (STN 140)	CSIRO	Direct	08/04/94	RAR	WSC	GPS	GDA94
RAR_0102	Recherche Archipelago	Perennial seagrass (dense)	Sand	-33.76996	123.75216	-3.5	Dense seagrass, Posidonia sinuosa, Posidonia robertsonaw, Posidonia australis, Heterozostera tasmanica, Halophila australis, reef, wreck, Posidonia ostenfeldii (STN 141)	CSIRO	Direct	08/04/94	RAR	WSC	GPS	GDA94

Site No	Location	Habitat type	Substrate	Latitude (decimal degrees)	Longitude (decimal degrees)	Depth	Biological assemblage	Recorder	Observation	Date	MPRSWG	Bioregion	GPS type	Datum
RAR_0103	Recherche Archipelago	Subtidal reef platform		-33.7791	123.76372	-8	Low profile platform reef, seaweed (STN 142)	CSIRO	Direct	08/04/94	RAR	WSC	GPS	GDA94
RAR_0104	Recherche Archipelago	Perennial seagrass (dense)	Sand	-33.91936	123.33208	-5.1	Dense seagrass, Posidonia kirkmanii, Amphibolis antarctica, close to shore (STN 143)	CSIRO	Direct	09/04/94	RAR	WSC	GPS	GDA94
RAR_0105	Recherche Archipelago	Perennial seagrass (dense)	Sand	-33.91869	123.33611	-4.9	Dense seagrass, Posidonia robertsonae, Amphibolis antarctica (STN 144)	CSIRO	Direct	09/04/94	RAR	WSC	GPS	GDA94
RAR_0106	Recherche Archipelago	Perennial seagrass (dense)	Sand	-33.92256	123.33334	-8	Dense seagrass, Posidonia sinuosa, Halophila australis (STN 145)	CSIRO	Direct	09/04/94	RAR	WSC	GPS	GDA94
RAR_0107	Recherche Archipelago	Perennial seagrass (dense)	Sand	-33.89534	120.57506	-9.2	Dense seagrass (STN 146)	CSIRO	Direct	10/04/94	RAR	WSC	GPS	GDA94
RAR_0108	Recherche Archipelago	Perennial seagrass (dense)	Sand	-33.89306	120.58309	-10	Dense seagrass (STN 147)	CSIRO	Direct	10/04/94	RAR	WSC	GPS	GDA94
RAR_0109	Recherche Archipelago	Macroalgae dominated limestone reef (high relief)	Limestone	-33.90048	120.58826	-9.4	Heavy limestone reef, lots of seaweed (STN 148)	CSIRO	Direct	10/04/94	RAR	WSC	GPS	GDA94
RAR_0110	Recherche Archipelago	Macroalgae dominated limestone reef (high relief)	Limestone	-33.90691	120.5782	-8.2	Heavy limestone reef, seaweed (STN 149)	CSIRO	Direct	10/04/94	RAR	WSC	GPS	GDA94
RAR_0111	Recherche Archipelago	Perennial seagrass (medium)	Sand	-33.9176	123.33846	-7.6	Medium seagrass, Posidonia kirkmanii (STN 150)	CSIRO	Direct	09/04/94	RAR	WSC	GPS	GDA94
RAR_0112	Recherche Archipelago	Perennial seagrass (dense)	Sand	-33.91678	120.55705	-4.8	Dense seagrass, Posidonia robertsonae, Amphibolis griffithii, Posidonia kirkmanii (STN 152)	CSIRO	Direct	10/04/94	RAR	WSC	GPS	GDA94
RAR_0113	Recherche Archipelago	Subtidal reef platform		-33.95763	120.12128	-2.5	Low profile platform reef, rock, Amphibolis sp. (STN 153)	CSIRO	Direct	10/04/94	RAR	WSC	GPS	GDA94
RAR_0114	Recherche Archipelago	Subtidal reef platform		-33.95138	120.09211	-5.4	Low profile platform reef, rock, seaweed (STN 154)	CSIRO	Direct	10/04/94	RAR	WSC	GPS	GDA94
RAR_0115	Recherche Archipelago	Subtidal reef platform		-33.92161	120.57207	-14.8	Low profile platform reef, rock, weed (STN 160)	CSIRO	Direct	10/04/94	RAR	WSC	GPS	GDA94
RAR_0116	Recherche Archipelago	Subtidal reef platform		-33.91583	120.56855	-12	Low profile platform reef, rock (STN 161)	CSIRO	Direct	10/04/94	RAR	WSC	GPS	GDA94
RAR_0117	Recherche Archipelago	Subtidal reef platform		-33.91488	120.5659	-10	Low profile platform reef, rock, weed, Amphibolis antarctica (small amount) (STN 162)	CSIRO	Direct	10/04/94	RAR	WSC	GPS	GDA94

Site No	Location	Habitat type	Substrate	Latitude (decimal degrees)	Longitude (decimal degrees)	Depth	Biological assemblage	Recorder	Observation	Date	MPRSWG	Bioregion	GPS type	Datum
RAR_0118	Recherche Archipelago	Subtidal reef platform		-33.98203	120.4913	-10	Low profile platform reef (reef along coast from Starvation Boat Harbour) (STN 163)	CSIRO	Direct	10/04/94	RAR	WSC	GPS	GDA94
RAR_0119	Recherche Archipelago	Macroalgae dominated limestone reef (high relief)	Limestone	-33.97852	120.41499	-10	Heavy limestone reef, algae, weed (STN 164)	CSIRO	Direct	10/04/94	RAR	WSC	GPS	GDA94
RAR_0120	Recherche Archipelago	Subtidal reef platform		-33.97693	120.34077	-22	Low profile platform reef, rock, Posidonia sp. (STN 165)	CSIRO	Direct	10/04/94	RAR	WSC	GPS	GDA94
RAR_0121	Recherche Archipelago	Subtidal reef platform		-33.9552	120.3118	-26	Low profile platform reef, weed (STN 166)	CSIRO	Direct	10/04/94	RAR	WSC	GPS	GDA94
RAR_0122	Recherche Archipelago	Macroalgae dominated limestone reef (high relief)	Limestone	-33.9543	120.26776	-23	Heavy limestone reef, Posidonia sp. (STN 167)	CSIRO	Direct	10/04/94	RAR	WSC	GPS	GDA94
RAR_0123	Recherche Archipelago	Macroalgae dominated limestone reef (high relief)	Limestone	-33.95331	120.23947	-23	Heavy limestone reef, weed, sand patches (STN 168)	CSIRO	Direct	10/04/94	RAR	WSC	GPS	GDA94
RAR_0124	Recherche Archipelago	Sand	Sand	-33.9754	120.12513	-20	Bare sand (STN 169)	CSIRO	Direct	10/04/94	RAR	WSC	GPS	GDA94
RAR_0125	Recherche Archipelago	Macroalgae dominated limestone reef (high relief)	Limestone	-33.97197	120.11364	-20	Heavy limestone reef, Ecklonia sp. (STN 170)	CSIRO	Direct	10/04/94	RAR	WSC	GPS	GDA94
RAR_0126	Recherche Archipelago	Sand	Sand	-33.96383	120.1014	-13	Bare sand (STN 171)	CSIRO	Direct	10/04/94	RAR	WSC	GPS	GDA94
RAR_0127	Recherche Archipelago	Sand	Sand	-33.96325	120.08385	-15	Bare sand (STN 172)	CSIRO	Direct	10/04/94	RAR	WSC	GPS	GDA94
RAR_0128	Recherche Archipelago	Subtidal reef platform		-33.96757	120.13652	-11	Low profile platform reef, seaweed (STN 180)	CSIRO	Direct	10/04/94	RAR	WSC	GPS	GDA94
RAR_0129	Recherche Archipelago	Subtidal reef platform		-33.9504	120.13104	-3.1	Low profile platform reef. Reef, some Amphibolis antarctica (STN 181)	CSIRO	Direct	10/04/94	RAR	WSC	GPS	GDA94
RAR_0130	Recherche Archipelago	Subtidal reef platform		-33.95168	120.12508	-3.4	Low profile platform reef, sand, Amphibolis antarctica, Heterozostera tasmanica (STN 182)	CSIRO	Direct	10/04/94	RAR	WSC	GPS	GDA94
RAR_0131	Recherche Archipelago	Subtidal reef platform		-33.9563	120.12721	-3	Low profile platform reef, sand, Amphibolis antarctica, Heterozostera tasmanica (STN 183)	CSIRO	Direct	10/04/94	RAR	WSC	GPS	GDA94

Site No	Location	Habitat type	Substrate	Latitude (decimal degrees)	Longitude (decimal degrees)	Depth	Biological assemblage	Recorder	Observation	Date	MPRSWG	Bioregion	GPS type	Datum
RAR_0132	Recherche Archipelago	Perennial seagrass (medium)	Sand	-33.95479	120.12296	-3	Medium seagrass, <i>Heterozostera tasmanica</i> (dominant), <i>Amphibolis antarctica</i> (STN 184)	CSIRO	Direct	10/04/94	RAR	WSC	GPS	GDA94
RAR_0133	Recherche Archipelago	Subtidal reef platform		-33.957	120.11871		Low profile platform reef, <i>Amphibolis antarctica</i> on reef (STN 185)	CSIRO	Direct	10/09/94	RAR	WSC	GPS	GDA94
RAR_0134	Recherche Archipelago	Subtidal reef platform		-33.99946	121.68589		Low profile platform reef, hard rock (STN 601)	CSIRO	Direct	09/03/94	RAR	WSC	GPS	GDA94
RAR_0135	Recherche Archipelago	Sand	Sand	-34.00097	121.68831		Bare sand (STN 602)	CSIRO	Direct	09/03/94	RAR	WSC	GPS	GDA94
RAR_0136	Recherche Archipelago	Sand	Sand	-34.02586	121.61535	-35	Bare sand, sparse weed, <i>Posidonia kirkmanii</i> (STN 603)	CSIRO	Direct	09/03/94	RAR	WSC	GPS	GDA94
RAR_0137	Recherche Archipelago	Subtidal reef platform		-33.93647	121.66681	-47	Low profile platform reef, rock, red algae (STN 604)	CSIRO	Direct	09/03/94	RAR	WSC	GPS	GDA94
RAR_0138	Recherche Archipelago	Sand	Sand	-33.91209	121.68084	-35	Bare sand (STN 605)	CSIRO	Direct	09/03/94	RAR	WSC	GPS	GDA94
RAR_0139	Recherche Archipelago	Perennial seagrass (sparse)	Sand	-33.87895	121.70145	-27	Bare sand, clumps of <i>Posidonia kirkmanii</i> (STN 606)	CSIRO	Direct	09/03/94	RAR	WSC	GPS	GDA94
RAR_0140	Recherche Archipelago	Sand	Sand	-33.87672	121.70377		Bare sand (STN 606 end)	CSIRO	Direct	09/03/94	RAR	WSC	GPS	GDA94
RAR_0141	Recherche Archipelago	Perennial seagrass (sparse)		-33.90535	121.90787	-31	Low profile platform reef, sparse seagrass on sand, <i>Heterozostera tasmanica</i> , <i>Posidonia sinuosa</i> (STN 608)	CSIRO	Direct	09/03/94	RAR	WSC	GPS	GDA94
RAR_0142	Recherche Archipelago	Perennial seagrass (dense)	Sand	-33.88625	121.91292	-19	Dense seagrass, <i>Posidonia robertsonae</i> , <i>Posidonia denhartogii</i> (STN 609)	CSIRO	Direct	09/03/94	RAR	WSC	GPS	GDA94
RAR_0143	Recherche Archipelago	Perennial seagrass (medium)	Sand	-33.88654	121.9147	-28	Medium seagrass, <i>Posidonia robertsonae</i> , <i>Halophila australis</i> (STN 610)	CSIRO	Direct	09/03/94	RAR	WSC	GPS	GDA94
RAR_0144	Recherche Archipelago	Sand	Sand	-33.8846	121.91766		Bare sand (STN 611)	CSIRO	Direct	09/03/94	RAR	WSC	GPS	GDA94
RAR_0145	Recherche Archipelago	Sand	Sand	-33.88415	121.91878	-30	Bare sand (STN 612)	CSIRO	Direct	09/03/94	RAR	WSC	GPS	GDA94
RAR_0146	Recherche Archipelago	Subtidal reef platform		-33.89625	121.93456	-39	Low profile platform reef, rubble (STN 613)	CSIRO	Direct	09/03/94	RAR	WSC	GPS	GDA94
RAR_0147	Recherche Archipelago	Sand	Sand	-34.04947	122.00052	-35	Bare sand (STN 614)	CSIRO	Direct	09/03/94	RAR	WSC	GPS	GDA94

Site No	Location	Habitat type	Substrate	Latitude (decimal degrees)	Longitude (decimal degrees)	Depth	Biological assemblage	Recorder	Observation	Date	MPRSWG	Bioregion	GPS type	Datum
RAR_0148	Recherche Archipelago	Subtidal reef platform		-34.05906	122.01401	-26	Low profile platform reef, rubble (STN 615)	CSIRO	Direct	09/03/94	RAR	WSC	GPS	GDA94
RAR_0149	Recherche Archipelago	Sand	Sand	-34.04037	122.02604	-29	Bare sand (STN 616)	CSIRO	Direct	09/03/94	RAR	WSC	GPS	GDA94
RAR_0150	Recherche Archipelago	Perennial seagrass (medium)	Sand	-34.03884	122.02752	-29	Medium seagrass, Halophila ovalis, Posidonia robertsonae (STN 617)	CSIRO	Direct	09/03/94	RAR	WSC	GPS	GDA94
RAR_0151	Recherche Archipelago	Perennial seagrass (dense)	Sand	-34.11799	122.25134	-9	Dense seagrass, Heterozostera tasmanica, Posidonia kirkmanii (STN 618)	CSIRO	Direct	09/03/94	RAR	WSC	GPS	GDA94
RAR_0152	Recherche Archipelago	Sand	Sand	-34.10376	122.26196		Bare sand (STN 619)	CSIRO	Direct	09/03/94	RAR	WSC	GPS	GDA94
RAR_0153	Recherche Archipelago	Perennial seagrass (dense)	Sand	-34.08103	123.20182	-18	Dense seagrass, Posidonia robertsonae, Posidonia sinuosa, Amphibolis antarctica (STN 620)	CSIRO	Direct	09/03/94	RAR	WSC	GPS	GDA94
RAR_0154	Recherche Archipelago	Sand	Sand	-34.06909	123.20448	-18	Bare sand (STN 621)	CSIRO	Direct	09/03/94	RAR	WSC	GPS	GDA94
RAR_0155	Recherche Archipelago	Perennial seagrass (dense)	Sand	-34.07198	123.20395	-18	Dense seagrass, Posidonia kirkmanii, Amphibolis antarctica (STN 622)	CSIRO	Direct	09/03/94	RAR	WSC	GPS	GDA94
RAR_0156	Recherche Archipelago	Sand	Sand	-34.06752	123.20343		Bare sand (STN 623)	CSIRO	Direct	09/03/94	RAR	WSC	GPS	GDA94
RAR_0157	Recherche Archipelago	Seagrass (dense)	Sand	-34.07313	123.20194	-17	Dense seagrass (STN 624)	CSIRO	Direct	09/03/94	RAR	WSC	GPS	GDA94
RAR_0158	Recherche Archipelago	Seagrass (medium)	Sand	-34.07172	123.20097	-19	Medium seagrass (STN 625)	CSIRO	Direct	09/03/94	RAR	WSC	GPS	GDA94
RAR_0159	Recherche Archipelago	Subtidal reef platform		-34.03732	123.24564	-27	Low profile platform reef, rubble (STN 626)	CSIRO	Direct	09/03/94	RAR	WSC	GPS	GDA94
RAR_0160	Recherche Archipelago	Sand	Sand	-34.01386	123.27445	-24	Bare sand (STN 627)	CSIRO	Direct	09/03/94	RAR	WSC	GPS	GDA94
RAR_0161	Recherche Archipelago	Perennial seagrass (sparse)		-34.01327	123.27423	-24	Low profile platform reef, rock, Heterozostera tasmanica, Thalassodendron pachyrhizum, Amphibolis antarctica (STN 628)	CSIRO	Direct	09/03/94	RAR	WSC	GPS	GDA94
RAR_0162	Recherche Archipelago	Macroalgae dominated limestone reef (low relief)	Limestone	-33.99636	123.29897	-30	Heavy limestone reef, algae, pavement (STN 629)	CSIRO	Direct	09/03/94	RAR	WSC	GPS	GDA94
RAR_0163	Recherche Archipelago	Sand	Sand	-33.90929	123.4477	-21	Bare sand (STN 630)	CSIRO	Direct	09/03/94	RAR	WSC	GPS	GDA94

Site No	Location	Habitat type	Substrate	Latitude (decimal degrees)	Longitude (decimal degrees)	Depth	Biological assemblage	Recorder	Observation	Date	MPRSWG	Bioregion	GPS type	Datum
RAR_0164	Recherche Archipelago	Subtidal reef platform		-33.90688	123.44739	-14	Low profile platform reef (STN 631)	CSIRO	Direct	09/03/94	RAR	WSC	GPS	GDA94
RAR_0165	Recherche Archipelago	Macroalgae dominated limestone reef (high relief)	Limestone	-33.92423	123.48388	-20	Heavy limestone reef (STN 632)	CSIRO	Direct	09/03/94	RAR	WSC	GPS	GDA94
RAR_0166	Recherche Archipelago	Perennial seagrass (dense)	Sand	-33.88249	123.63801	-6	Dense seagrass, Posidonia robertsonae, Posidonia denhartogii, Posidonia kirkmanii, Heterozostera tasmanica, Amphibolis antarctica, Amphibolis griffithii, Halophila australis (STN 633)	CSIRO	Direct	09/03/94	RAR	WSC	GPS	GDA94
RAR_0167	Recherche Archipelago	Subtidal reef platform		-33.87771	123.65449	-21	Low profile platform reef, rock, kelp (STN 634)	CSIRO	Direct	09/03/94	RAR	WSC	GPS	GDA94
RAR_0168	Recherche Archipelago	Subtidal reef platform		-33.87092	123.65184	-13	Low profile platform reef, kelp, macroalgae, Amphibolis sp. (STN 635)	CSIRO	Direct	09/03/94	RAR	WSC	GPS	GDA94
RAR_0169	Recherche Archipelago	Sand	Sand	-33.77959	123.84305	-24	Bare sand (STN 636)	CSIRO	Direct	09/03/94	RAR	WSC	GPS	GDA94
RAR_0170	Recherche Archipelago	Subtidal reef platform		-33.77418	123.83597	-24	Low profile platform reef, weed and rubble (STN 637)	CSIRO	Direct	09/03/94	RAR	WSC	GPS	GDA94
RAR_0171	Recherche Archipelago	Sand	Sand	-33.72343	123.88559	-33	Bare sand (STN 638)	CSIRO	Direct	09/03/94	RAR	WSC	GPS	GDA94
RAR_0172	Recherche Archipelago	Sand	Sand	-33.71534	123.88727	-32	Bare sand (STN 639)	CSIRO	Direct	09/03/94	RAR	WSC	GPS	GDA94
RAR_0173	Recherche Archipelago	Sand	Sand	-33.71117	123.88977	-31	Bare sand (STN 640)	CSIRO	Direct	09/03/94	RAR	WSC	GPS	GDA94
RAR_0174	Recherche Archipelago	Subtidal reef platform		-33.70911	123.88658	-31	Low profile platform reef, seaweed on platform (STN 641)	CSIRO	Direct	09/03/94	RAR	WSC	GPS	GDA94
RAR_0175	Recherche Archipelago	Perennial seagrass (dense)	Sand	-33.66046	123.93706	-24	Dense seagrass, Posidonia robertsonae (STN 642)	CSIRO	Direct	09/03/94	RAR	WSC	GPS	GDA94
RAR_0176	Recherche Archipelago	Sand	Sand	-33.65901	123.93443	-24	Bare sand, very sparse Posidonia (STN 643)	CSIRO	Direct	09/03/94	RAR	WSC	GPS	GDA94
RAR_0177	Recherche Archipelago	Sand	Sand	-33.63873	123.92336	-20	Bare sand (STN 644)	CSIRO	Direct	09/03/94	RAR	WSC	GPS	GDA94
RAR_0178	Recherche Archipelago	Subtidal reef platform		-33.62273	123.90776	-12	Low profile platform reef, algae, rock platform (STN 645)	CSIRO	Direct	09/03/94	RAR	WSC	GPS	GDA94

Site No	Location	Habitat type	Substrate	Latitude (decimal degrees)	Longitude (decimal degrees)	Depth	Biological assemblage	Recorder	Observation	Date	MPRSWG	Bioregion	GPS type	Datum
RAR_0179	Recherche Archipelago	Perennial seagrass (dense)	Sand	-33.22932	124.12268	-14	Dense seagrass, Posidonia kirkmanii, Posidonia robertsonae, Posidonia denhartogii (STN 646)	CSIRO	Direct	09/03/94	RAR	WSC	GPS	GDA94
RAR_0180	Recherche Archipelago	Perennial seagrass (dense)	Sand	-33.22816	124.14383	-20	Dense seagrass, Posidonia kirkmanii, Posidonia sinuosa, Posidonia denhartogii, Amphibolis antarctica, Halophila australis (STN 647)	CSIRO	Direct	09/03/94	RAR	WSC	GPS	GDA94
RAR_0181	Recherche Archipelago	Perennial seagrass (sparse)	Sand	-33.23017	124.16679	-25	Sparse seagrass, Posidonia kirkmanii (STN 648)	CSIRO	Direct	09/03/94	RAR	WSC	GPS	GDA94
RAR_0182	Recherche Archipelago	Perennial seagrass (sparse)	Sand	-33.2409	124.20211	-30	Sparse seagrass, Posidonia kirkmanii, Amphibolis antarctica (STN 649)	CSIRO	Direct	09/03/94	RAR	WSC	GPS	GDA94
RAR_0183	Recherche Archipelago	Subtidal reef platform		-33.24278	124.23303	-35	Low profile platform reef, macroalgae, rubble (STN 650)	CSIRO	Direct	09/03/94	RAR	WSC	GPS	GDA94
RAR_0184	Recherche Archipelago	Perennial seagrass (dense)	Sand	-33.57899	124.09963	-25	Dense seagrass, Posidonia kirkmanii, Posidonia robertsonae (STN 651)	CSIRO	Direct	09/03/94	RAR	WSC	GPS	GDA94
RAR_0185	Recherche Archipelago	Subtidal reef platform		-33.58071	124.11586	-23	Low profile platform reef, algae, rock (STN 652)	CSIRO	Direct	09/03/94	RAR	WSC	GPS	GDA94
RAR_0186	Recherche Archipelago	Macroalgae dominated granite reef (high relief)	Granite	-33.72368	124.08859	-22	Granite reef, kelps, Amphibolis sp., Posidonia sp. (STN 623)	CSIRO	Direct	09/03/94	RAR	WSC	GPS	GDA94
RAR_0187	Recherche Archipelago	Macroalgae dominated limestone reef (high relief)	Limestone	-33.74987	124.04998	-35	Heavy limestone reef, sand (STN 654)	CSIRO	Direct	09/03/94	RAR	WSC	GPS	GDA94
RAR_0188	Recherche Archipelago	Ephemeral seagrass (sparse)	Granite	-33.71995	124.11215	-25	Granite reef, algae, bivalves, Heterozostera tasmanica (STN 655)	CSIRO	Direct	09/03/94	RAR	WSC	GPS	GDA94
RAR_0189	Recherche Archipelago	Perennial seagrass (dense)	Sand	-33.85482	124.13137	-14	Dense seagrass, Posidonia sinuosa, Posidonia kirkmanii (STN 656)	CSIRO	Direct	09/03/94	RAR	WSC	GPS	GDA94
RAR_0190	Recherche Archipelago	Perennial seagrass (medium)	Sand	-33.98878	123.15547	-15	Dense seagrass patches, Posidonia kirkmanii, Amphibolis antarctica (STN 657)	CSIRO	Direct	09/03/94	RAR	WSC	GPS	GDA94
RAR_0191	Recherche Archipelago	Perennial seagrass (dense)	Sand	-33.96979	123.14786	-20	Dense seagrass, Posidonia kirkmanii, Amphibolis antarctica, Posidonia robertsonae (STN 658)	CSIRO	Direct	09/03/94	RAR	WSC	GPS	GDA94
RAR_0192	Recherche Archipelago	Subtidal reef platform		-33.96136	123.15021	-15	Low profile platform reef, weed and flat rock (STN 659)	CSIRO	Direct	09/03/94	RAR	WSC	GPS	GDA94
RAR_0193	Recherche Archipelago	Perennial seagrass (sparse)	Sand	-33.95608	123.15078	-16	Sparse seagrass, Posidonia kirkmanii (STN 660)	CSIRO	Direct	09/03/94	RAR	WSC	GPS	GDA94

Site No	Location	Habitat type	Substrate	Latitude (decimal degrees)	Longitude (decimal degrees)	Depth	Biological assemblage	Recorder	Observation	Date	MPRSWG	Bioregion	GPS type	Datum
RAR_0194	Recherche Archipelago	Perennial seagrass (medium)	Sand	-33.94488	123.13664	-20	Dense seagrass patches, Posidonia kirkmanii, Posidonia robertsonae (STN 661)	CSIRO	Direct	09/03/94	RAR	WSC	GPS	GDA94
RAR_0195	Recherche Archipelago	Perennial seagrass (medium)	Sand	-33.93563	123.14335	-14	Dense seagrass patches, Posidonia kirkmanii, Posidonia ostenfeldii, Posidonia robertsonae, Amphibolis antarctica (STN 662)	CSIRO	Direct	09/03/94	RAR	WSC	GPS	GDA94
RAR_0196	Recherche Archipelago	Sand	Sand	-33.91387	123.11336	-27	Bare sand, very sparse Posidonia robertsonae (STN 663)	CSIRO	Direct	09/03/94	RAR	WSC	GPS	GDA94
RAR_0197	Recherche Archipelago	Perennial seagrass (medium)	Sand	-33.89882	123.10705	-17	Dense seagrass patches, Posidonia kirkmanii (STN 664)	CSIRO	Direct	09/03/94	RAR	WSC	GPS	GDA94
RAR_0198	Recherche Archipelago	Sand	Sand	-33.89455	123.09806	-21	Bare sand (STN 665)	CSIRO	Direct	09/03/94	RAR	WSC	GPS	GDA94
RAR_0199	Recherche Archipelago	Macroalgae dominated limestone reef (high relief)	Limestone	-33.88902	123.09072	-19	Heavy limestone reef, macroalgae (STN 666)	CSIRO	Direct	09/03/94	RAR	WSC	GPS	GDA94
RAR_0200	Recherche Archipelago	Subtidal reef platform		-33.86962	123.0376	-20	low profile platform reef, macroalgae, sand (STN 667)	CSIRO	Direct	09/03/94	RAR	WSC	GPS	GDA94
RAR_0201	Recherche Archipelago	Perennial seagrass (dense)	Sand	-33.90475	122.91226	-19	Dense seagrass, Posidonia kirkmanii, Posidonia robertsonae, Posidonia denhartogii, Amphibolis antarctica, Halophila australis (STN 668)	CSIRO	Direct	09/03/94	RAR	WSC	GPS	GDA94
RAR_0202	Recherche Archipelago	Perennial seagrass (medium)	Sand	-33.93873	122.8506	-20	Dense seagrass patches, Posidonia robertsonae, Posidonia kirkmanii (STN 669)	CSIRO	Direct	09/03/94	RAR	WSC	GPS	GDA94
RAR_0203	Recherche Archipelago	Sand	Sand	-33.91421	122.79675	-29	Bare sand (STN 670)	CSIRO	Direct	09/03/94	RAR	WSC	GPS	GDA94
RAR_0204	Recherche Archipelago	Perennial seagrass (medium)	Sand	-33.88984	122.76779	-21	Dense seagrass patches (STN 671)	CSIRO	Direct	09/03/94	RAR	WSC	GPS	GDA94
RAR_0205	Recherche Archipelago	Perennial seagrass (dense)	Sand	-33.91113	122.71051	-11	Dense seagrass (STN 672)	CSIRO	Direct	09/03/94	RAR	WSC	GPS	GDA94
RAR_0206	Recherche Archipelago	Macroalgae dominated limestone reef (high relief)	Limestone	-33.93141	122.67128	-24	Heavy limestone reef, kelp (STN 673)	CSIRO	Direct	09/03/94	RAR	WSC	GPS	GDA94
RAR_0207	Recherche Archipelago	Seagrass (dense)	Sand	-33.92609	122.65578	-18	Dense seagrass (STN 674)	CSIRO	Direct	09/03/94	RAR	WSC	GPS	GDA94

Site No	Location	Habitat type	Substrate	Latitude (decimal degrees)	Longitude (decimal degrees)	Depth	Biological assemblage	Recorder	Observation	Date	MPRSWG	Bioregion	GPS type	Datum
RAR_0208	Recherche Archipelago	seagrass (medium)	Sand	-33.9395	122.64476	-21	Medium seagrass, seaweed (STN 675)	CSIRO	Direct	09/03/94	RAR	WSC	GPS	GDA94
RAR_0209	Recherche Archipelago	Subtidal reef platform		-33.95362	122.53826	-24	Low profile platform reef, seaweed, rock (STN 676)	CSIRO	Direct	09/03/94	RAR	WSC	GPS	GDA94
RAR_0210	Recherche Archipelago	Perennial seagrass (dense)	Sand	-33.94736	122.50568	-10.5	Dense seagrass, Posidonia roberstonae, Posidonia kirkmanii, Posidonia ostenfeldii, Scaberia, sponges (STN 677)	CSIRO	Direct	09/03/94	RAR	WSC	GPS	GDA94
RAR_0211	Recherche Archipelago	Subtidal reef platform		-33.96782	122.4681	-37	Low profile platform reef, Algae, coarse sand, rubble (STN 678)	CSIRO	Direct	09/03/94	RAR	WSC	GPS	GDA94
RAR_0212	Recherche Archipelago	Subtidal reef platform		-33.95723	122.44806	-34	Low profile platform reef, seaweed, coarse sand (STN 679)	CSIRO	Direct	09/03/94	RAR	WSC	GPS	GDA94
RAR_0213	Recherche Archipelago	Subtidal reef platform		-33.9387	122.4304	-25	Low profile platform reef, algae, coarse sand (STN 680)	CSIRO	Direct	09/03/94	RAR	WSC	GPS	GDA94
RAR_0214	Recherche Archipelago	Seagrass (medium)	Sand	-33.92892	122.4252	-20	Dense patches of seagrass (STN 681)	CSIRO	Direct	09/03/94	RAR	WSC	GPS	GDA94
RAR_0215	Recherche Archipelago	Perennial seagrass (dense)	Sand	-33.93608	122.42592	-26	Dense seagrass, Posidonia robertsonae, Posidonia kirkmanii, Heterozostera tasmanica, Amphibolis antarctica, occasional reef and macroalgae (STN 682)	CSIRO	Direct	09/03/94	RAR	WSC	GPS	GDA94
RAR_0216	Recherche Archipelago	Perennial seagrass (medium)	Sand	-33.93926	122.36351	-31	Dense seagrass patches, Posidonia robertsonae, Amphibolis griffithii (STN 683)	CSIRO	Direct	09/03/94	RAR	WSC	GPS	GDA94
RAR_0217	Recherche Archipelago	Subtidal reef platform		-33.9542	122.32652	-27	Low profile platform reef, mixed seaweed and seagrass, small clumps of Posidonia robertsonae (STN 684)	CSIRO	Direct	09/03/94	RAR	WSC	GPS	GDA94
RAR_0218	Recherche Archipelago	Perennial seagrass (dense)	Sand	-33.98596	122.28802	-22	Dense seagrass, Posidonia sinuosa, Posidonia robertsonae, Halophila ovalis, Halophila australis, bivalves (STN 685)	CSIRO	Direct	09/03/94	RAR	WSC	GPS	GDA94
RAR_0219	Recherche Archipelago	Subtidal reef platform		-34.00426	122.06284	-33	Low profile platform reef, algae, sand (STN 686)	CSIRO	Direct	09/03/94	RAR	WSC	GPS	GDA94
RAR_0220	Recherche Archipelago	Sand	Sand	-33.92755	122.0217	-38	Bare sand, algae, reef bottom (STN 687)	CSIRO	Direct	09/03/94	RAR	WSC	GPS	GDA94
RAR_0221	Recherche Archipelago	Subtidal reef platform		-33.92069	122.01631	-38	Low profile platform reef, rock (STN 688)	CSIRO	Direct	09/03/94	RAR	WSC	GPS	GDA94

Site No	Location	Habitat type	Substrate	Latitude (decimal degrees)	Longitude (decimal degrees)	Depth	Biological assemblage	Recorder	Observation	Date	MPRSWG	Bioregion	GPS type	Datum
RAR_0222	Recherche Archipelago	Perennial seagrass (dense)	Sand	-33.87329	121.9712	-23	Dense seagrass, Posidonia kirkmanii, Posidonia sinuosa, Amphibolis antarctica, Heterozostera tasmanica (STN 689)	CSIRO	Direct	09/03/94	RAR	WSC	GPS	GDA94
RAR_0223	Recherche Archipelago	Perennial seagrass (medium)	Sand	-33.8663	121.95371	-31	Medium seagrass, Posidonia roberstonae, Heterozostera tasmanica (STN 690)	CSIRO	Direct	09/03/94	RAR	WSC	GPS	GDA94

APPENDIX D. MARINE WILDLIFE DISTRIBUTIONS IN THE RECHERCHE ARCHIPELAGO REGION (STOKES INLET TO ISRAELITE BAY).

Bancroft, K.P., Davidson, J.A. & Lamb, B (2002) Marine wildlife distributions in the Recherche Archipelago region (Stokes Inlet to Israelite Bay) Report: MRI/WSC/RAR-61/2002. Marine Conservation Branch, Department of Conservation and Land Management, Perth, Western Australia. Unpublished report. 37p.

APPENDIX E. CORRESPONDENCE FOR THE COLLABORATIVE MARINE BENTHIC MAPPING SURVEY

Kevin Bancroft
(08) 9432 5102
(08) 9430 5408
kevinb@calm.wa.gov.au

Dr Gary Kendrick
Botany Department
University of Western Australia
Nedlands WA 6907

Dear Dr Kendrick

RE: Collaboration on benthic survey in the Recherche Archipelago

Further to previous conversations and correspondence, I have attached a budget summary for the proposed collaborative marine benthic habitat survey. As you can see, the Department will be contributing \$5,390 and the Natural Heritage Trust project will be contributing \$26,235.

As part of the collaboration, the NHT project is to receive:

1. Survey vessel time to collect transect data suitable for modelling broadscale habitats in the Recherche Archipelago.
2. Data obtained from the above transects are to be received, either in the form of DBF or TXT files, by 29 April 2002.
3. Access to all habitat data collected for the whole survey period (approximately 10,000 data points). This data, either in the form of DBF or TXT files, is to be made available in two week blocks starting on the 29 April 2002.

In return, the FRDC project will receive the updated broadscale marine benthic habitat data layers that will be developed by the NHT project.

I am looking forward to collaborating with you on the Recherche Archipelago benthic habitat survey.

Yours sincerely

Dr Chris Simpson
MANAGER
MARINE CONSERVATION BRANCH
DEPARTMENT OF CONSERVATION AND LAND MANAGEMENT

12 April 2002

Budget breakdown for the survey of marine ecological communities in the Recherche Archipelago region.

Budget Item		Community in kind costs (\$)	FRDC costs (\$)	CALM in kind costs (\$)	NHT costs (\$)	Total costs (\$)
<u>Travel</u>						
Airfares	return airfares @ \$500	0	2600	0	500	3600
Vehicle	District – 500 km @ \$0.60/km	0	0	300	0	300
	UWA	0	5880	0	0	5880
Accommodation	CALM District Accomodation	6400	0	200	0	6600
Provisions		0	10000	0	1500	11500
Taxi fare	2 @ \$40	0	0	0	80	80
	Sub-total	6400	18480	500	2080	27460
<u>Staff</u>						
K. Bancroft	5 days @ \$ 273	0	0	1365	0	1365
FRDC staff		0	48965	0	0	48965
	Sub-total	0	48965	1365	0	50330
<u>Vessel & other equipment</u>						
Diesel and petrol		0	24000	0	20000	44000
Communications		0	2500	0	50	2550
Insurances		0	5000	0	0	5000
Pen fees		0	2000	0	2000	4000
Camera depreciation		0	2500	0	0	2500
Drop-down camera	20 days @ \$150	0	0	3000	0	3000
equipment (plus spares)						
Laptop Computer	10 days @ \$50/day	0	0	500	0	500
In kind large vessels		49000	0	0	0	49000
In kind small vessels		27500	0	0	0	27500
	Sub-total	76500	36000	3500	22050	138050
<u>Consumables</u>						
						0
Stationary and sundries		0	0	25	0	25
Video tapes		0	9603	0	2000	11603
Slide film		0	0	0	105	105
	Sub-total	0	9603	25	2105	11733
TOTAL		\$ 82,900	\$ 113,048	\$ 5,390	\$26,235	\$227,573

