

**Table 3** TOTAL AREA (KM<sup>2</sup>) OF THE HABITAT TYPES BY ISLAND IN THE SOCIETY ARCHIPELAGO.

THE SOCIETY ARCHIPELAGO		TOTAL AREA SQUARE KM						
HABITAT CLASSIFICATION	Bellinghausen	Huahini	Maiao	Mopelia	Scilly	Tahaa-Raitea	Tetiaroa	Tupai
Back reef coral bommies	0.004	0.07	0.004	0.013	0.004	0.202	0.034	0.011
Back reef coral framework	0.769	5.547	1.977	3.813	4.112	14.603	3.42	3.195
Back reef pavement	0.825	2.583	0.767	2.099	7.836	10.831	0	0.642
Back reef rubble dominated	0.295	5.666	2.685	3.186	3.661	16.395	2.309	--
Back reef sediment dominated	1.818	11.179	--	5.005	6.341	52.867	10.028	2.506
Beach sand	0.316	0.24	0.806	0.668	1.483	0.177	0.461	1.2
Carbonate blocks	--	--	--	--	--	--	--	--
Coral rubble	0.687	0.333	0.194	0.644	0.535	0.833	0.184	0.458
Coralline algal ridge	0.345	1.049	0.546	0.768	1.143	2.319	0.859	0.769
Deep fore reef slope	0.652	2.859	0.989	0.736	1.137	8.242	2.02	1.39
Deep lagoonal water	0.409	15.385	--	23.243	73.017	116.254	5.603	--
Fore reef sand flats	--	0.014	--	--	--	--	--	--
Inland waters	0.015	0.048	3.525	--	--	0.134	--	--
Mud	--	--	0.734	--	--	--	--	--
Lagoonal Acropora framework	--	--	--	--	--	--	--	--
Lagoonal coral framework	--	--	--	--	--	--	--	--
Lagoonal floor barren	2.158	4.433	--	5.477	7.75	13.071	4.415	8.118
Lagoonal floor coral bommies	0.001	0.01	--	0	0.003	0.03	0.006	0.002
Lagoonal fringing reefs	--	7.21	--	--	--	16.684	--	--
Lagoonal floor macroalgae on sediment	0.041	--	--	--	--	0.046	0	--
Lagoonal patch reefs	0.064	0.237	--	0.046	0.023	0.665	0.139	0.054
Lagoonal pavement	--	--	--	--	--	--	--	--
Lagoonal pinnacle reefs branching coral dominated	0.648	--	--	--	--	0.896	--	--
Lagoonal pinnacle reefs massive coral dominated	--	2.673	--	0.42	0.304	13.42	1.071	0.229
Lagoonal sediment apron macroalgae on sediment	--	--	--	--	--	--	--	--
Lagoonal sediment apron sediment dominated	0.468	--	--	1.294	2.598	--	0	3.058
Reef-top algal mats	--	--	--	--	0.063	--	--	--
Rock	0.596	2.514	0.136	0.672	2.098	4.775	0.92	0.855
Shallow fore reef slope	0.463	3.309	1.106	1.261	1.33	6.42	0.964	1.279
Shallow fore reef terrace	0.337	2.286	0.414	1.076	1.89	4.575	0.695	0.506
Soil	--	4.094	--	--	--	--	--	--
Terrestrial vegetation	2.549	66.279	7.315	3.035	2.524	248.418	4.371	8.531
Urban	--	1.742	0.043	0.001	0.001	8.373	0.099	0.06