

Appendices

Appendix A Distribution of the Australian sea lion

State	Tenure	Status of Area	Site/Locality	Lat (S)	Long (E)	Colony/ Haul-out site ¹	Pup count data
WA		Great Australian Bight	2 km West of Twilight Cove, Great Australian Bight	-32.279	126.012	Breeding	
WA		Abrolhos	Alexander Island, Abrolhos	-28.667	113.817	Breeding	
WA	Nature Reserve	Recherche Archipelago	Anvil Island, Recherche Archipelago	-33.737	124.096	Haul-out	
WA	Nature Reserve	Bald Island Nature Reserve	Bald Island, E of Mt Manypeaks	-34.917	118.463	Haul-out	
WA	Nature Reserve	Recherche Archipelago	Barrier Island, Recherche Archipelago	-33.979	123.139	Haul-out	
WA	Nature Reserve		Beagle Island	-29.808	114.877	Breeding	
WA	Nature Reserve	Recherche Archipelago	Beaumont Island, Recherche Archipelago	-34.090	122.539	Possible breeding	
WA	Nature Reserve	Recherche Archipelago	Bellinger Island, Recherche Archipelago	-33.887	123.639	Possible breeding	
WA			Bird Rock (off Bald Island)	-34.917	118.483	Haul-out	
WA	Nature Reserve	Recherche Archipelago	Boxer Island	-33.998	121.678	Haul-out	
WA	Nature Reserve		Buller Island	-30.656	115.115	Breeding	
WA			Burns Rocks	-31.717	115.700	Haul-out	
WA	Nature Reserve	Recherche Archipelago	Capps Island	-33.988	121.682	Haul-out	
WA	Nature Reserve	Carnac Island Nature Reserve	Carnac Island	-32.121	115.662	Haul-out	
WA	Nature Reserve	Recherche Archipelago	Cloud Rock	-34.044	122.090	Haul-out	
WA	Nature Reserve	Two Peoples Bay Nature Reserve	Coffin Island	-35.000	118.217	Haul-out	
WA	Nature Reserve	Recherche Archipelago	Cooper Island, Recherche Archipelago	-34.231	123.607	Breeding	
WA	Nature Reserve	Recherche Archipelago	Corbett Island	-34.117	121.983	Haul-out	
WA	Nature Reserve	Recherche Archipelago	Cranny Island, Recherche Archipelago	-33.731	124.078	Haul-out	
WA	Nature Reserve	Recherche Archipelago	Daw Island, Recherche Archipelago	-33.846	124.134	Possible breeding	
WA	Nature Reserve	Recherche Archipelago	Draper Island, Recherche Archipelago	-34.196	122.496	Haul-out	
WA			Dyer Island (off Rottnest Island)	-32.019	115.551	Haul-out	
WA	Nature Reserve	Doubtful Islands Nature Reserve	East Doubtful Island	-34.380	119.616	Possible breeding	
WA	Nature Reserve	Eclipse Island Nature Reserve	Eclipse Island	-35.179	117.885	Haul-out	
WA	Nature Reserve	Recherche Archipelago	Figure of Eight Island, Recherche Archipelago	-34.027	121.607	Possible breeding	
WA	Nature Reserve	Recherche Archipelago	Finger Island, Recherche Archipelago	-34.105	122.344	Possible breeding	
WA	Nature Reserve	Recherche Archipelago	Foam Rocks	-34.130	122.847	Haul-out	
WA		Abrolhos	Gilbert Island, Abrolhos	-28.667	113.817	Breeding	
WA	Nature Reserve	Recherche Archipelago	Glennie Island, Recherche Archipelago	-34.096	123.105	Breeding	

State	Tenure	Status of Area	Site/Locality	Lat (S)	Long (E)	Colony/ Haul-out site ¹	Pup count data
WA	Nature Reserve	Recherche Archipelago	Halfway Island (local name = Ford Island), Recherche Archipelago	-33.770	124.040	Breeding	
WA	Nature Reserve	Recherche Archipelago	Hasler Island	-34.117	123.067	Haul-out	
WA	Nature Reserve	Recherche Archipelago	Hastings Island	-34.100	122.117	Haul-out	
WA	Vacant Crown Land		Haul Off Rock	-34.702	118.661	Breeding	
WA	Nature Reserve	Recherche Archipelago	Hector Island	-34.000	121.717	Haul-out	
WA	Nature Reserve	Recherche Archipelago	Helby Island	-34.117	123.067	Haul-out	
WA	Nature Reserve	Recherche Archipelago	High North Island (local name)	-33.717	124.100	Haul-out	
WA	Nature Reserve	Recherche Archipelago	Hood Island	-34.142	122.050	Haul-out	
WA	Nature Reserve	Recherche Archipelago	Hope Island	-34.079	122.163	Haul-out	
WA	Nature Reserve	Recherche Archipelago	Hugo Island	-34.145	122.317	Haul-out	
WA	Nature Reserve	Recherche Archipelago	Kermadec Island (= Wedge Island), Recherche Archipelago	-34.088	122.834	Breeding	
WA			Little Island, N of Perth	-31.800	115.700	Haul-out	
WA	Nature Reserve	Recherche Archipelago	Little Island, Recherche Archipelago	-34.457	121.990	Breeding	
WA	Nature Reserve	Recherche Archipelago	MacKenzie Island, Recherche Archipelago	-34.200	122.112	Breeding	
WA	Nature Reserve	Recherche Archipelago	Manicom Island	-34.117	123.033	Haul-out	
WA	Nature Reserve	Recherche Archipelago	Marts Group	-33.993	122.651	Haul-out	
WA	Nature Reserve	Recherche Archipelago	McKenzie Rocks	-34.217	122.067	Haul-out	
WA	Nature Reserve	Doubtful Islands Nature Reserve	Middle Doubtful Island	-34.375	119.607	Breeding	
WA	Nature Reserve	Recherche Archipelago	Middle Rock	-34.317	121.850	Haul-out	
WA	Nature Reserve	Recherche Archipelago	Murray Rocks	-34.000	122.083	Haul-out	
WA	Nature Reserve	Recherche Archipelago	N/E York Island	-34.017	122.583	Haul-out	
WA	Nature Reserve	Recherche Archipelago	N/W York Island	-34.017	122.583	Haul-out	
WA	Nature Reserve	Great Australian Bight	Near Toolina Cove, Great Australian Bight	-32.829	124.900	Haul-out	
WA	Nature Reserve	Recherche Archipelago	New Year Island, Recherche Archipelago	-33.856	124.127	Haul-out	
WA	Nature Reserve	Recherche Archipelago	Nook Island, Recherche Archipelago	-33.733	124.100	Breeding	
WA	Nature Reserve	Recherche Archipelago	Pasley Island (or Paisley Island), Recherche Archipelago	-34.011	123.532	Possible breeding	
WA	Nature Reserve	Recherche Archipelago	Passage Island, Recherche Archipelago	-33.983	122.433	Haul-out	
WA	Nature Reserve	Recherche Archipelago	Pearson Island	-34.217	122.350	Haul-out	
WA			Poison Creek Island	-33.917	123.330	Breeding	
WA	Nature Reserve	Recherche Archipelago	Red Island, Recherche Archipelago	-33.871	121.350	Haul-out	
WA	Nature Reserve	Recherche Archipelago	Red Islet	-34.033	119.783	Breeding	
WA	Nature Reserve	Recherche Archipelago	Rocky Island, Recherche Archipelago	-34.083	120.867	Breeding	
WA	Nature Reserve	Recherche Archipelago	Rodonia Island	-33.833	123.917	Haul-out	
WA	Nature Reserve	Recherche Archipelago	Round Island, Recherche Archipelago	-34.105	123.888	Breeding	
WA	Nature Reserve	Recherche Archipelago	Salisbury Island, Recherche Archipelago	-34.360	123.552	Breeding	
WA	Nature Reserve	Shoalwater Islands Nature Reserve	Seal Island	-32.293	115.691	Haul-out	

State	Tenure	Status of Area	Site/Locality	Lat (S)	Long (E)	Colony/ Haul-out site ¹	Pup count data
WA			Seal Rock (NW of Doubtful Islands group)	-34.350	119.567	Haul-out	
WA	Nature Reserve	Recherche Archipelago	Seal Rock	-34.020	121.656	Haul-out	
WA	Nature Reserve	Recherche Archipelago	Slipper Island, Recherche Archipelago	-34.046	122.753	Possible breeding	
WA	Nature Reserve	Recherche Archipelago	Spindle Island, Recherche Archipelago	-33.763	124.161	Breeding	
WA	Nature Reserve	Recherche Archipelago	Stanley Island (= Wickham Island), Recherche Archipelago	-34.020	123.291	Breeding	
WA		Abrolhos	Suomi Island, Abrolhos	-28.700	113.833	Breeding	
WA			SW Rock (Twin Peaks Island)	-33.983	122.900	Breeding	
WA	Nature Reserve	Recherche Archipelago	Tadpole Island (local name)	-33.733	124.033	Haul-out	
WA	Nature Reserve	Recherche Archipelago	Taylor Island, Recherche Archipelago	-33.920	122.873	Breeding	
WA	Nature Reserve	Recherche Archipelago	Termination Island, Recherche Archipelago	-34.471	121.992	Possible breeding	
WA	Nature Reserve	Recherche Archipelago	Tizard Island	-34.017	122.683	Haul-out	
WA	Nature Reserve	Recherche Archipelago	Wee Rock (local name)	-34.083	123.900	Haul-out	
WA	Nature Reserve	Doubtful Islands Nature Reserve	West Doubtful Island	-34.374	119.580	Haul-out	
WA			West Island, NW point of the island	-34.082	120.485	Breeding	
WA	Nature Reserve	Recherche Archipelago	Westall Island, Recherche Archipelago	-34.079	122.967	Possible breeding	
WA		Abrolhos Is	Square Is	-28.902	113.944	Breeding	
SA	National Park	Lincoln National Park	Albatross Island	-35.069	136.181	Haul-out	c
SA	Conservation Park	Althorpe Islands Conservation Park	Althorpe Island	-35.369	136.861	Haul-out	l
SA	Conservation Park	Baudin Rocks Conservation Park	Baudin Rocks	-37.089	139.722	Haul-out	l
SA			Bird Rock	-32.183	133.617		
SA	Wilderness Area	Cape Gantheaume Wilderness Area	Black Point - KI	-36.038	137.406	Haul-out	m
SA			Blythe Island	-34.568	136.292		
SA	Conservation Park	Nuyts Reef Conservation Park	Breakwater Island	-32.322	133.561	Haul-out	e
SA	Conservation Park	Sir Joseph Banks Group Conservation Park	Buffalo Reef	-34.759	136.421	Haul-out	l
SA	Marine Park	Great Australian Bight Marine Park	Bunda Cliffs B1	-31.517	131.061	Breeding	a
SA			Bunda Cliffs B10	-31.685	129.011	Breeding	
SA	Marine Park	Great Australian Bight Marine Park	Bunda Cliffs B2	-31.586	130.581	Breeding	a
SA	Marine Park	Great Australian Bight Marine Park	Bunda Cliffs B3	-31.582	130.126	Breeding	a
SA	Marine Park	Great Australian Bight Marine Park	Bunda Cliffs B4	-31.586	130.061	Breeding	a
SA	Marine Park	Great Australian Bight Marine Park	Bunda Cliffs B5	-31.585	130.031	Breeding	a
SA	Marine Park	Great Australian Bight Marine Park	Bunda Cliffs B6	-31.609	129.762	Breeding	a
SA	Marine Park	Great Australian Bight Marine Park	Bunda Cliffs B7	-31.625	129.511	Breeding	a
SA	Marine Park	Great Australian Bight Marine Park	Bunda Cliffs B8	-31.640	129.381	Breeding	a

State	Tenure	Status of Area	Site/Locality	Lat (S)	Long (E)	Colony/ Haul-out site ¹	Pup count data
SA	Marine Park	Great Australian Bight Marine Park	Bunda Cliffs B9	-31.647	129.311	Breeding	a
SA	Marine Park	Great Australian Bight Marine Park	Bunda Cliffs H1	-31.529	131.041	Haul-out	a
SA	Marine Park	Great Australian Bight Marine Park	Bunda Cliffs H10	-31.620	129.542	Haul-out	a
SA	Marine Park	Great Australian Bight Marine Park	Bunda Cliffs H11	-31.623	129.521	Haul-out	a
SA	Marine Park	Great Australian Bight Marine Park	Bunda Cliffs H12	-31.636	129.421	Haul-out	a
SA	Marine Park	Great Australian Bight Marine Park	Bunda Cliffs H13	-31.642	129.353	Haul-out	a
SA	Marine Park	Great Australian Bight Marine Park	Bunda Cliffs H14	-31.646	129.322	Haul-out	a
SA	Marine Park	Great Australian Bight Marine Park	Bunda Cliffs H2	-31.604	130.801	Haul-out	a
SA	Marine Park	Great Australian Bight Marine Park	Bunda Cliffs H3	-31.585	130.553	Haul-out	a
SA	Marine Park	Great Australian Bight Marine Park	Bunda Cliffs H4	-31.586	130.072	Haul-out	a
SA	Marine Park	Great Australian Bight Marine Park	Bunda Cliffs H5	-31.587	129.992	Haul-out	a
SA	Marine Park	Great Australian Bight Marine Park	Bunda Cliffs H6	-31.607	129.781	Haul-out	a
SA	Marine Park	Great Australian Bight Marine Park	Bunda Cliffs H7	-31.615	129.692	Haul-out	a
SA	Marine Park	Great Australian Bight Marine Park	Bunda Cliffs H8	-31.615	129.651	Haul-out	a
SA	Marine Park	Great Australian Bight Marine Park	Bunda Cliffs H9	-31.619	129.571	Haul-out	a
SA	Crown Land	Vacant crown land	Cannan Reef	-32.639	133.246	Haul-out	l
SA	Conservation Park	Cap Island Conservation Park	Cap Island	-33.947	135.113	Haul-out	l
SA	National Park	Flinders Chase National Park	Cape Borda - KI	-35.749	136.591	Haul-out	l
SA	Wilderness Area	Cape Bouguer Wilderness Area	Cape Bouguer - KI	-36.042	136.909	Haul-out	e
SA	Wilderness Area	Cape Bouguer Wilderness Area	Cape Bouguer (East of) - KI	-36.036	136.900	Haul-out with occasional pupping	k
SA	National Park	Flinders Chase National Park, Prohibited Area	Cape DuCouedic - KI	-36.058	136.708	Haul-out	l
SA	Wilderness Area	Cape Gantheaume Wilderness Area	Cape Gantheaume - KI	-36.074	137.461	Haul-out	l
SA			Cape Linois - KI	-36.019	137.586	Haul-out	
SA	Crown Land	Vacant crown land	Cape Rocks	-34.913	135.534	Haul-out	l
SA	Wilderness Area	Cape Bouguer Wilderness Area	Cave Point - KI	-36.026	136.957	Haul-out	
SA	National Park	Lincoln National Park	Curta Rocks	-34.948	135.870	Haul-out	l
SA			Daly Head Islet	-35.029	136.925	Haul-out	
SA			Dangerous Reef (East)	-34.814	136.226	Breeding	
SA	Conservation Park	Sir Joseph Banks Group Conservation Park	Dangerous Reef (West)	-34.814	136.217	Breeding	f
SA	Crown	none	D'Entrecasteaux Reef	-31.981	131.930	Haul-out	l
SA	Conservation Park	Isles of St Francis Conservation Park	Dog Island	-32.489	133.331	Haul-out	l

State	Tenure	Status of Area	Site/Locality	Lat (S)	Long (E)	Colony/ Haul-out site ¹	Pup count data
SA			Donington Island	-34.721	135.999	Haul-out	
SA	Conservation Park	Investigator Group Conservation Park	Dorothee Island	-33.997	134.249	Haul-out	b
SA	Conservation Park	Isles of St Francis Conservation Park	Egg Island	-32.473	133.315	Haul-out	l
SA	Conservation Park	Sir Joseph Banks Group Conservation Park	English Island	-34.638	136.196	Breeding	b, e
SA	Crown	Lighthouse Reserve	Evans Island	-32.369	133.482	Haul-out	l
SA	Conservation Park	Isles of St Francis Conservation Park	Fenelon Island	-32.581	133.282	Breeding	d
SA	Conservation Park	Whidbey Isles Conservation Park	Four Hummocks Island (Central)	-34.769	135.031	Haul-out	l
SA	Conservation Park	Whidbey Isles Conservation Park	Four Hummocks Island (NE)	-34.751	135.082	Haul-out	l
SA	Conservation Park	Whidbey Isles Conservation Park	Four Hummocks Island (North)	-34.758	135.042	Breeding	b
SA	Conservation Park	Whidbey Isles Conservation Park	Four Hummocks Island (South)	-34.778	135.032	Haul-out	l
SA	Conservation Park	Nuyts Archipelago Conservation Park	Franklin Island (north-east)	-32.449	133.669	Breeding	c
SA	Conservation Park	Nuyts Archipelago Conservation Park	Franklin Island (south)	-32.462	133.639	Breeding	c
SA	Conservation Park	Isles of St Francis Conservation Park	Freeling Island	-32.480	133.344	Haul-out	l
SA	Conservation Park	Nuyts Archipelago Conservation Park	Goat Island	-32.309	133.521	Haul-out	l
SA	Conservation Park	Whidbey Isles Conservation Park	Golden Island	-34.700	135.332	Haul-out	l
SA	Conservation Park	Goose Island Conservation Park	Goose Island	-34.457	137.364	Haul-out	l
SA	Conservation Park	Greenly Island Conservation Park	Greenly Island	-34.639	134.791	Haul-out	b
SA			Hareby Island	-34.582	136.296	Haul-out	
SA	Conservation Park	Isles of St Francis Conservation Park	Hart Island	-32.642	133.151	Haul-out	l
SA	Conservation Park	Althorpe Islands Conservation Park	Haystack Island	-35.322	136.908	Haul-out	l
SA	National Park	Lincoln National Park	Hopkins Island	-34.968	136.061	Haul-out	l
SA	Conservation Park	Baird Bay Islands Conservation Park	Jones Island	-33.185	134.367	Breeding	b
SA	Conservation Park	Nuyts Archipelago Conservation Park	Lacy Island	-32.399	133.371	Haul-out	l
SA	Conservation Park	Isles of St Francis Conservation Park	Lacy Island (Rocks NW of)	-32.367	133.349	Haul-out	l
SA	Conservation Park	Sir Joseph Banks Group Conservation Park	Langton Island	-34.597	136.252	Haul-out	i
SA	National Park	Lincoln National Park	Lewis Island	-34.957	136.032	Haul-out	l
SA	National Park	Lincoln National Park	Liguanea Island	-34.998	135.620	Breeding	b, c
SA	Conservation Park	Althorpe Islands Conservation Park	Little Althorpe Islands	-35.373	136.845	Haul-out	l
SA	National Park	Lincoln National Park	Little Islet	-34.950	136.025	Haul-out	l
SA	Conservation Park	Nuyts Archipelago Conservation Park	Lounds Island	-32.273	133.366	Breeding	b, c
SA	Conservation Park	Isles of St Francis Conservation Park	Masillon Island	-32.559	133.281	Breeding	d
SA	Conservation Park	Nicolas Baudin Island Conservation Park, Prohibited Area	Nicolas Baudin Island	-33.016	134.133	Breeding	b, e

State	Tenure	Status of Area	Site/Locality	Lat (S)	Long (E)	Colony/ Haul-out site ¹	Pup count data
SA	National Park	Flinders Chase National Park	North Casuarina Island - KI	-36.068	136.702	Haul-out with occasional pupping	h
SA	Conservation Park	Gambier Islands Conservation Park	North Island	-35.121	136.476	Breeding	c
SA	Conservation Park	Neptune Islands Conservation Park, Prohibited Area	North Neptune Island	-35.230	136.068	Haul-out	b, c
SA	Conservation Park	The Pages Conservation Park, Prohibited Area	North Page Island	-35.759	138.301	Breeding	e, g
SA	Conservation Park	Nuyts Reef Conservation Park	Nuyts Reef (east)	-32.048	132.179	Haul-out	l
SA	Conservation Park	Nuyts Reef Conservation Park	Nuyts Reef (middle)	-32.139	132.141	Haul-out	b, c
SA	Conservation Park	Nuyts Reef Conservation Park	Nuyts Reef (southern rocks)	-32.139	132.131	Haul-out	l
SA	Conservation Park	Nuyts Reef Conservation Park	Nuyts Reef (west)	-32.119	132.131	Haul-out	b, c
SA	Conservation Park	Olive Island Conservation Park	Olive Island	-32.719	133.970	Breeding	b, e
SA	National Park	Flinders Chase National Park	Paisley Island (West Bay) - KI	-35.900	136.538	Haul-out	l
SA	Conservation Park	Gambier Islands Conservation Park	Peaked Rocks	-35.187	136.483	Breeding	c
SA	Conservation Park	Investigator Group Conservation Park	Pearson Island	-33.949	134.261	Breeding	b
SA			Perforated Island	-34.727	135.158	Haul-out	
SA	Crown Land	Vacant Crown Land	Point Bell (Rocks SW of)	-32.221	133.113	Haul-out	l
SA	Conservation Park	Fowlers Bay Conservation Reserve	Point Fowler	-32.030	132.473	Haul-out	a, b
SA	Crown Land	none	Point Gibbon	-33.829	136.779	Haul-out	l
SA	Conservation Park	Point Labatt Conservation Park	Point Labatt	-33.152	134.261	Haul-out with occasional pupping	b
SA	Conservation Park	Whidbey Isles Conservation Park	Price Island	-34.708	135.290	Breeding	b
SA	Conservation Park	Nuyts Archipelago Conservation Park	Purdie Island	-32.270	133.228	Breeding	b, c
SA			Rabbit Island (Louth Bay)	-34.605	135.986	Haul-out	
SA			Reevesby Island	-34.523	136.280	Haul-out	
SA	Conservation Park	Rocky Island (north) Conservation Park	Rocky Island (North)	-34.259	135.260	Breeding	b
SA	Conservation Park	Rocky Island Conservation Park	Rocky Island (South)	-34.810	134.718	Haul-out	b, c
SA			Rosemary Shoal	-34.693	136.366	Haul-out	
SA	Conservation Park	Seal Bay Conservation Park, Prohibited Area	Seal Bay - KI	-35.996	137.327	Breeding	g
SA	Conservation Park	Althorpe Islands Conservation Park	Seal Island (Toe of Yorke Pen)	-35.339	136.921	Haul-out	l
SA	Wilderness Area	Cape Gantheaume Wilderness Area	Seal Slide - KI	-36.026	137.536	Breeding	h
SA	Conservation Park	Sinclair Island Conservation Park	Sinclair Island	-32.143	132.991	Haul-out	l
SA			Slade Point (Pt Searcy)	-33.055	134.168	Haul-out	
SA	National Park	Lincoln National Park	Smith Island	-34.986	136.029	Haul-out with occasional pupping	j

State	Tenure	Status of Area	Site/Locality	Lat (S)	Long (E)	Colony/ Haul-out site ¹	Pup count data
SA	Conservation Park	Sir Joseph Banks Group Conservation Park	Smith Rock	-34.586	136.265	Haul-out	l
SA	Conservation Park	Isles of St Francis Conservation Park	Smooth Island	-32.485	133.309	Haul-out	l
SA	National Park	Flinders Chase National Park	South Casuarina Island - KI	-36.086	136.694	Haul-out	l
SA	Conservation Park	Neptune Islands Conservation Park, Prohibited Area	South Neptune Island	-35.330	136.112	Breeding	b
SA	Conservation Park	Neptune Islands Conservation Park	South Neptune Island (Lighthouse)	-35.336	136.111	Haul-out	l
SA	Conservation Park	The Pages Conservation Park, Prohibited Area	South Page Island	-35.779	138.291	Breeding	e, g
SA	Conservation Park	Gambier Islands Conservation Park	South-west Rock	-35.187	136.483	Haul-out	l
SA	Conservation Park	The Pages Conservation Park	SSW Reef	-35.784	138.288	Haul-out	l
SA	Conservation Park	Isles of St Francis Conservation Park	St Francis Island	-32.506	133.286	Haul-out	d
SA	Freehold	none	Thistle Island	-35.009	136.181	Haul-out	l
SA	Conservation Park	Investigator Group Conservation Park	Topgallant Island	-33.717	134.612	Haul-out	l
SA	Conservation Park	Investigator Group Conservation Park	Veteran Isles (North Islet)	-33.968	134.265	Haul-out	l
SA			Veteran Isles (South Islet)	-33.975	134.263	Haul-out	
SA	Conservation Park	Investigator Group Conservation Park	Ward Island	-33.741	134.285	Breeding	b, c
SA	Conservation Park	Investigator Group Conservation Park	Ward Island (South East)	-33.757	134.306	Haul-out	l
SA	Conservation Park	Isles of St Francis Conservation Park	West Island	-32.511	133.251	Breeding	b
SA	Conservation Park	Waldegrave Islands Conservation Park	West Waldegrave Island	-33.596	134.761	Breeding	e
SA	Conservation Park	Goose Island Conservation Park	White Rocks	-34.452	137.362	Haul-out	l
SA	National Park	Lincoln National Park	Williams Island	-35.029	135.971	Haul-out	l

¹ Definitions:

Breeding: has at least 15 pups recorded during at least one survey over the past 20 years **Haul-out (OP):** haul-out with occasional pupping—has 1–4 pups recorded during at least one survey over the past 20 years **Haul-out:** sites that are frequented by seals

(a) Dennis and Shaughnessy (1996); (b) Shaughnessy, pers. comm.; (c) Gales *et al.* (1994); (d) Robinson *et al.* (2003); (e) Shaughnessy and Dennis (2003); (f) Shaughnessy *et al.*, (2004); (g) Shaughnessy pers. comm.; (h) Shaughnessy (2002); (i) T. Dennis, pers. comm.; (j) Shaughnessy *et al.* (1997); (k) Shaughnessy and Dennis (2002); (l) South Australian Offshore Island Biological Database, DEH; (m) J.McKenzie, La Trobe University, pers. comm.

Appendix B Distribution of the Australian fur seal

State	Tenure	Status of Area	Site/Locality	Lat	Long	Colony/ Haul-out site ¹	Pup count data
NSW			Montague Island	-36.251	150.225	Haul-out (OP)	a
NSW		Ben Boyd National Park	Green Cape	-37.261	150.047	Haul-out	
NSW		Near Steamers Beach (Jervis Bay)		-35.176	150.726	Haul-out	
Vic.	Fauna Reserve	nil	Lady Julia Percy Island	-38.418	142.000	Breeding	b
Vic.	Fauna Reserve	nil	Seal Rocks, adjacent to Phillip Island	-38.526	145.099	Breeding	b
Vic.	?	Marine Park	Kanowna Island (including Ansor Islets), adjacent to Wilsons Promontory	-39.154	146.310	Breeding	b
Vic.	?	nil	Rag Island, in the Clifty Group	-38.955	146.679	Breeding	b
Vic.	?	nil	The Skerries, off Croajingalong National Park	-37.755	149.518	Breeding	b
Vic.	?	?	Cape Bridgewater	-38.380	141.400	Haul-out (OP)	b
Vic.	?	?	Marango Reef, Apollo Bay	-38.670	143.830	Haul-out	
Vic.	?	?	Port Phillip Bay, seal platform and channel markers	-38.330	144.830	Haul-out	
Vic.	?	Marine Park	Norman Island, adjacent to Wilsons Promontory	-39.025	146.241	Haul-out	
Vic.	?	?	Notch Island, in the Clifty Group	-38.941	146.674	Haul-out	
Vic.	?	?	White Rock, in the Clifty Group	-38.907	146.645	Haul-out	
SA	Wilderness Area	Cape Bouguer Wilderness Area	KI - Cape Bouguer	-36.030	136.910	Haul-out	e
SA	National Park	Flinders Chase National Park	KI - Cape du Couedic (Admirals Arch)	-36.060	136.700	Haul-out	c
SA	National Park	Flinders Chase National Park	KI - Cape du Couedic (Ladders North)	-36.060	136.700	Haul-out	
SA	National Park	Flinders Chase National Park	KI - Cape du Couedic (Nautilus Rock)	-36.060	136.700	Haul-out	c
SA	Wilderness Area	Cape Gantheaume Wilderness Area	KI - Cape Gantheaume	-36.074	137.461	Haul-out	c
SA	National Park	Flinders Chase National Park, Prohibited Area	KI - Casurina Islets (North)	-36.068	136.702	Haul-out	f
SA	National Park	Flinders Chase National Park, Prohibited Area	KI - Casurina Islets (South)	-36.060	136.700	Haul-out	f
SA	Conservation Park	The Pages Conservation Park, Prohibited Area	North Page Island	-35.759	138.301	Haul-out	e, e
SA	Crown Land	Vacant Crown Land	Young Rocks	-36.380	137.200	Haul-out	f
Tas.	Nature Reserve		Judgement Rocks	-39.507	147.129	Breeding	g
Tas.	Nature Reserve		Judgement Rocks	-39.507	147.129	Breeding	b
Tas.	Nature Reserve		West Moncoeur	-39.233	146.504	Breeding	g

State	Tenure	Status of Area	Site/Locality	Lat	Long	Colony/ Haul-out site ¹	Pup count data
Tas.	Nature Reserve		West Moncoeur	-39.233	146.504	Breeding	b
Tas.	Nature Reserve		Moriarty Rocks	-40.590	148.278	Breeding	h
Tas.	Nature Reserve		Moriarty Rocks	-40.590	148.278	Breeding	b
Tas.	Nature Reserve		Tenth Island	-40.944	146.984	Breeding	b
Tas.	Nature Reserve		Tenth Island	-40.944	146.984	Breeding	g
Tas.	Nature Reserve		Reid Rocks	-40.172	143.924	Breeding	h
Tas.	Nature Reserve		Reid Rocks	-40.172	143.924	Breeding	b
Tas.	Nature Reserve		Albatross Island	-40.377	144.655	Haul-out (OP)	h
Tas.	Nature Reserve		Bull Rocks	-40.738	145.297	Haul-out (OP)	g
Tas.	Nature Reserve		Wright Rock	-39.593	147.550	Haul-out (OP)	g
Tas.	Non-allocated crown land		Hogan Group	-39.204	146.984	Haul-out (OP)	g
Tas.	Nature Reserve		Ile de Phoque	-42.415	148.162	Haul-out (OP)	
Tas.	National Park		The Friars	-43.526	147.292	Haul-out (OP)	g
Tas.	National Park		Hippolyte Rock	-43.123	148.051	Haul-out	
Tas.	National Park		Cape Pillar	-43.223	148.008	Haul-out	
Tas.	National Park		Cape Raoul	-43.244	147.798	Haul-out	
Tas.	National Park		Cape Huay	-43.138	148.006	Haul-out	
Tas.	National Park		Tasman Island	-43.240	148.002	Haul-out	
Tas.	National Park		Maatsuyker Island	-43.645	146.278	Haul-out	
Tas.	National Park		Needle Rocks	-43.663	146.255	Haul-out	
Tas.	National Park		Walker Island	-43.632	146.273	Haul-out	
Tas.	National Park		Flat Witch Island	-43.619	146.287	Haul-out	
Tas.	National Park		Pedra Branca	-43.861	146.973	Haul-out	
Tas.	National Park		Mewstone	-43.741	146.373	Haul-out	
Tas.	National Park		East Pyramid	-43.418	145.919	Haul-out	
Tas.	National Park		Flat Top Island	-43.641	146.381	Haul-out	
Tas.	Conservation Area		Sandy Cape	-41.422	144.744	Haul-out	
Tas.	Conservation Area		Point Hibbs	-42.617	145.264	Haul-out	
Tas.	Nature Reserve		Bass Pyramid	-39.810	147.244	Haul-out	
Tas.	non-allocated crown land		North East Islet	-39.445	147.376	Haul-out	
Tas.			Double Rock	-40.366	147.886	Haul-out	
Tas.	Nature Reserve		Devils Tower	-39.377	146.744	Haul-out	
Tas.			Forty Foot Rocks	-39.202	146.421	Haul-out	
Tas.			Black Reef	-40.836	148.245	Haul-out	
Tas.	National Park		Visscher Island	-42.857	147.974	Haul-out	

¹ Definitions:

Breeding: has at least 15 pups 'recorded during at least one survey over the past 20 years' **Haul-out (OP):** haul-out with occasional pupping—has 1–14 pups 'recorded during at least one survey over the past 20 years' **Haul-out:** sites that are frequented by seals

(a) Irvine *et al.* (1997); (b) Kirkwood *et al.* (2005); (c) Shaughnessy and Dennis (2003); (d) Shaughnessy and Dennis (2000); (e) Shaughnessy and Dennis (1999); (f) Shaughnessy *et al.* (1994); (g) UD; (h) Pemberton and Gales (2004).

Appendix C Distribution of the New Zealand fur seal

State	Tenure	Status of Area	Site/Locality	Lat	Long	Colony/ Haul-out site ¹	Pup count data
NSW			Montague Island	-36.255	150.225	Haul-out (OP)	a
Vic.	?	Marine Park	Kanowna Island (including Anderson Islets), adjacent to Wilsons Promontory	-39.155	146.310	Breeding	b
Vic.	?	nil	The Skerries, off Croajingalong National Park	-37.750	149.520	Breeding	b
Vic.	Fauna Reserve	nil	Lady Julia Percy Island	-38.414	142.011	Haul-out (OP)	b
Vic.	?	?	Cape Bridgewater	-38.380	141.400	Haul-out	b
WA	Nature Reserve	Bald Island Nature Reserve	Bald Island	-34.933	118.467	Haul-out	
WA	Nature Reserve	Recherche Archipelago	Beaumont Island, NW point of the island. Recherche Archipelago	-34.090	122.534	Breeding	
WA			Bird Rock (Off Bald Island)	-34.917	118.483	Haul-out	
WA	National Park	D'Entrecasteaux National Park	Black Point, SE tip.	-34.426	115.544	Occasional haul-out	
WA			Bunker Bay	-33.543	115.035	Haul-out	
WA	Nature Reserve	Recherche Archipelago	Capps Island	-33.988	121.682	Occasional haul-out	
WA	Nature Reserve	Chatham Island Nature Reserve	Chatham Island	-35.033	116.500	Occasional haul-out	
WA	Nature Reserve	Two Peoples Bay Nature Reserve	Coffin Island	-35.000	118.217	Haul-out	
WA	Nature Reserve	Recherche Archipelago	Cooper Island, SW end. Recherche Archipelago	-34.231	123.607	Breeding	
WA	Nature Reserve	Recherche Archipelago	Corbett Island	-34.117	121.983	Occasional haul-out	
WA	Nature Reserve	Recherche Archipelago	Cranny Island, adjacent to low lying isthmus. Recherche Archipelago	-33.731	124.078	Breeding	
WA	Nature Reserve	Recherche Archipelago	Daw Island, NW point of the island. Recherche Archipelago	-33.847	124.136	Breeding	
WA	Nature Reserve	Recherche Archipelago	Draper Island, NE corner of the island. Recherche Archipelago	-34.196	122.496	Breeding	
WA	Nature Reserve	Doubtful Islands Nature Reserve	East Doubtful Island	-34.380	119.616	Breeding	
WA	Nature Reserve	Eclipse Island Nature Reserve	Eclipse Island, E end of the N side.	-35.182	117.884	Breeding	
WA	Nature Reserve	Recherche Archipelago	Figure of Eight Island	-34.027	121.608	Occasional haul-out	
WA	Nature Reserve	Recherche Archipelago	Finger Island, Recherche Archipelago	-34.103	122.345	Occasional haul-out	
WA	Nature Reserve	Fliners Island Nature Reserve	Flinders Islet	-34.413	115.207	Breeding	
WA	Nature Reserve	Recherche Archipelago	Fur Rock	-34.017	121.650	Occasional haul-out	
WA	Nature Reserve	Recherche Archipelago	Gunton Island	-33.987	121.995	Occasional haul-out	
WA	Nature Reserve	Recherche Archipelago	Hastings Island	-34.100	122.117	Occasional haul-out	
WA	Vacant Crown Land		Haul Off Rock, W end of the N coast.	-34.702	118.661	Breeding	
WA	Nature Reserve	Recherche Archipelago	Hood Island, N end of bay on the NE side of the island. Recherche Archipelago	-34.142	122.050	Breeding	

State	Tenure	Status of Area	Site/Locality	Lat	Long	Colony/ Haul-out site ¹	Pup count data
WA	Nature Reserve	Recherche Archipelago	Kermadec Island	-34.088	122.834	Occasional haul-out	
WA	Nature Reserve	Recherche Archipelago	Libke Island, E and SE sides of the island. Recherche Archipelago	-34.215	122.084	Occasional haul-out	
WA	Nature Reserve	Recherche Archipelago	Little Island	-34.200	122.112	Occasional haul-out	
WA	Nature Reserve	Recherche Archipelago	McKenzie Island	-34.200	122.117	Occasional haul-out	
WA	Nature Reserve	Recherche Archipelago	McKenzie Rocks	-34.217	122.067	Occasional haul-out	
WA	Nature Reserve	Doubtful Islands Nature Reserve	Middle Doubtful Island	-34.375	119.607	Breeding	
WA	Nature Reserve	Recherche Archipelago	New Year Island, NE shore. Recherche Archipelago	-33.856	124.127	Breeding	
WA	Nature Reserve	Recherche Archipelago	Pasley Island	-34.011	123.532	Occasional haul-out	
WA	Nature Reserve	Recherche Archipelago	Pointer Island	-33.717	124.083	Haul-out	
WA	Nature Reserve	Recherche Archipelago	Rocky Island, Recherche Archipelago	-34.083	120.917	Breeding	
WA	Nature Reserve	Recherche Archipelago	Round Island	-34.105	123.888	Occasional haul-out	
WA	Nature Reserve	Recherche Archipelago	Rug Rock	-34.017	121.650	Occasional haul-out	
WA	Nature Reserve	Recherche Archipelago	Salisbury Island, in middle of the island on the W side. Recherche Archipelago	-34.360	123.552	Breeding	
WA			Seal Rock	-34.350	119.567	Haul-out	
WA	Nature Reserve	Recherche Archipelago	Seal Rock, W, N and E coasts. Recherche Archipelago	-34.019	121.656	Breeding	
WA	Nature Reserve	Recherche Archipelago	Square Rock	-34.017	121.650	Occasional haul-out	
WA	Nature Reserve	Recherche Archipelago	Termination Island	-34.471	121.992	Occasional haul-out	
WA	Nature Reserve	Doubtful Islands Nature Reserve	West Doubtful Island	-34.374	119.580	Haul-out	
WA			West Island, NE point of island	-34.082	120.485	Breeding	
WA	Nature Reserve	Recherche Archipelago	Westall Island	-34.083	122.967	Occasional haul-out	
WA	Nature Reserve	Recherche Archipelago	Wickham Island	-34.020	123.291	Occasional haul-out	
WA	Nature Reserve	Saint Alouarn Nature Reserve	St. Alouarn Island	-34.400	115.183	Haul-out	
WA	Nature Reserve	Seal Island Nature Reserve	Seal Island	-34.383	115.150	Haul-out	
WA			Hamelin Bay	-34.230	115.010	Haul-out	
WA			Cape Naturaliste	-33.530	115.010	Haul-out	
SA	National Park	Lincoln National Park	Albatross Island	-35.069	136.181	Haul-out	c
SA	Conservation Park	Althorpe Island Conservatin Park	Althorpe Island	-35.369	136.861	Haul-out	c
SA	Wilderness Area	Cape Gantheaume Wilderness Area	Berris Point - KI	-36.065	137.482	Breeding\ Haul-out	n
SA	Wilderness Area	Cape Gantheaume Wilderness Area	Black Point - KI	-36.038	137.407	Haul-out	h

State	Tenure	Status of Area	Site/Locality	Lat	Long	Colony/ Haul-out site ¹	Pup count data
SA	Marine Park	Great Australian Bight Marine Park	Bunda Cliffs H1	-31.529	131.041	Haul-out	d
SA	Marine Park	Great Australian Bight Marine Park	Bunda Cliffs H2	-31.604	130.801	Haul-out	d
SA	Marine Park	Great Australian Bight Marine Park	Bunda Cliffs H3	-31.603	130.721	Haul-out	d
SA	Marine Park	Great Australian Bight Marine Park	Bunda Cliffs H4	-31.612	129.684	Haul-out	d
SA	Marine Park	Great Australian Bight Marine Park	Bunda Cliffs H5	-31.639	129.421	Haul-out	d
SA	Marine Park	Great Australian Bight Marine Park	Bunda Cliffs H6	-31.649	129.301	Haul-out	d
SA	Crown Land	Vacant Crown Land	Cape Adieu (Rocks SSE of)	-32.048	132.179	Haul-out	c
SA	Wilderness Area	Ravine des Casoars Wilderness Area	Cape Borda - KI	-35.766	136.575	Haul-out	c
SA	Wilderness Area	Cape Bouguer Wilderness Area	Cape Bouguer - KI	-36.042	136.909	Haul-out (OP)	n
SA	Wilderness Area	Cape Bouguer Wilderness Area	Cape Bouguer (East of) - KI	-36.036	136.900	Haul-out	j
SA	National Park	Flinders Chase National Park, Prohibited Area	KI - Cape du Couedic 4 (Nautilus North)	-36.058	136.708	Breeding\ Haul-out	n
SA	National Park	Flinders Chase National Park, Prohibited Area	KI - Cape du Couedic 6 (Spooks Bay, north)	-36.058	136.708	Breeding\ Haul-out	n
SA	National Park	Flinders Chase National Park, Prohibited Area	KI - Cape du Couedic (10 sites)	-36.058	136.708	Breeding\ Haul-out	n
SA	National Park	Flinders Chase National Park, Prohibited Area	KI - Cape du Couedic 1 (Ladders North)	-36.058	136.708	Breeding\ Haul-out	o
SA	National Park	Flinders Chase National Park, Prohibited Area	KI - Cape du Couedic 10 (Spooks Bay north)	-36.058	136.708	Haul-out (OP)	g, j, p,
SA	National Park	Flinders Chase National Park, Prohibited Area	KI - Cape du Couedic 2 (Ladders South)	-36.058	136.708	Breeding\ Haul-out	o
SA	National Park	Flinders Chase National Park, Prohibited Area	KI - Cape du Couedic 3 (Libke)	-36.058	136.708	Breeding\ Haul-out	n
SA	National Park	Flinders Chase National Park, Prohibited Area	KI - Cape du Couedic 5 (Nautilus Rock)	-36.058	136.708	Breeding\ Haul-out	n
SA	National Park	Flinders Chase National Park, Prohibited Area	KI - Cape du Couedic 7 (Weirs Cove North)	-36.058	136.708	Breeding\ Haul-out	n
SA	National Park	Flinders Chase National Park, Prohibited Area	KI - Cape du Couedic 8 (Weirs Cove South)	-36.058	136.708	Breeding\ Haul-out	n
SA	National Park	Flinders Chase National Park	KI - Cape du Couedic 9 (Admirals Arch)	-36.058	136.708	Haul-out (OP)	n
SA	Wilderness Area	Cape Gantheaume Wilderness Area	Cape Gantheaume - KI	-36.074	137.461	Breeding\ Haul-out	n
SA	Conservation Park	Cape Hart Conservation Park	Cape Hart - KI	-35.891	138.057	Haul-out (OP)	g, j, n
SA	Wilderness Area	Cape Gantheaume Wilderness Area	Cape Linois - KI	-36.019	137.587	Haul-out (OP)	s

State	Tenure	Status of Area	Site/Locality	Lat	Long	Colony/ Haul-out site ¹	Pup count data
SA	Crown Land	Vacant Crown Land	Cape Rocks	-34.913	135.534	Haul-out	c
SA	Wilderness Area	Cape Bouguer Wilderness Area	Cave Point - KI	-36.026	136.957	Breeding\ Haul-out	n
SA	National Park	Lincoln National Park	Curta Rocks	-34.948	135.870	Haul-out	c
SA	Conservation Park	Sir Joseph Banks Group Conservation Park	Dangerous Reef (East)	-34.817	136.216	Haul-out	e
SA	Conservation Park	Sir Joseph Banks Group Conservation Park	Dangerous Reef (West Reef)	-34.817	136.216	Haul-out	e
SA	Conservation Park	Investigator Group Conservation Park	Dorothee Island	-33.997	134.249	Haul-out (OP)	f
SA	Conservation Park	Isles of St Francis Conservation Park	Fenelon Island	-32.581	133.282	Haul-out	f
SA	Conservation Park	Whidby Isles Conservation Park	Four Hummocks Island (Central)	-34.769	135.031	Breeding\ Haul-out	f
SA	Conservation Park	Whidby Isles Conservation Park	Four Hummocks Island (North)	-34.758	135.042	Haul-out	c
SA	Conservation Park	Whidby Isles Conservation Park	Four Hummocks Island (South)	-34.778	135.032	Breeding\ Haul-out	f
SA	Conservation Park	Greenly Island Conservation Park	Greenly Island	-34.639	134.791	Haul-out (OP)	f
SA	Conservation Park	Isles of St Francis Conservation Park	Hart Island	-32.642	133.151	Haul-out	c
SA	Conservation Park	Baird Bay Islands Conservation Park	Jones Island (Baird Bay)	-33.185	134.366	Haul-out	g
SA	Conservation Park	Nuyts Reef Conservatin Park	Lacy Island	-32.399	133.371	Haul-out	c
SA	National Park	Lincoln National Park	Liguanea Island	-34.998	135.620	Breeding\ Haul-out	c
SA	Conservation Park	Althorpe Island Conservatin Park	Little Althorpe Islands	-35.373	136.845	Haul-out	c
SA	Conservation Park	Whidby Isles Conservation Park	Little Hummock Island	-34.751	135.082	Haul-out (OP)	c
SA	Conservation Park	Nicolas Baudin Island Conservation Park, Prohibited Area	Nicolas Baudin Island	-33.016	134.133	Haul-out (OP)	g
SA	Conservation Park	Nicolas Baudin Island Conservation Park	Nicolas Baudin Island (Cape Blanche Is)	-33.016	134.133	Haul-out (OP)	j
SA	National Park	Flinders Chase National Park, Prohibited Area	North Casuarina Island - KI	-36.068	136.702	Breeding\ Haul-out	q
SA	Conservation Park	Gambier Islands Conservation Park	North Island	-35.121	136.476	Haul-out	c
SA	Conservation Park	Neptune Islands Conservation Park, Prohibited Area	North Neptune Island	-35.230	136.068	Breeding\ Haul-out	j, r
SA	Conservation Park	The Pages Conservation Park, Prohibited Area	North Page Island	-35.759	138.301	Haul-out	g
SA	Conservation Park	Investigator Group Conservation Park	North Veteran Island	-33.975	134.264	Haul-out	c
SA	Conservation Park	Nuyts Reef Conservatin Park	Nuyts Reef (southern rocks)	-32.139	132.131	Haul-out	k
SA	Conservation Park	Nuyts Reef Conservatin Park	Nuyts Reef (west)	-32.119	132.131	Haul-out	k
SA	Conservation Park	Olive Island Conservation Park	Olive Island	-32.721	133.969	Haul-out	j
SA	National Park	Flinders Chase National Park, Prohibited Area	Paisley Is (West Bay) - KI	-35.900	136.538	Haul-out	k

State	Tenure	Status of Area	Site/Locality	Lat	Long	Colony/ Haul-out site ¹	Pup count data
SA	Conservation Park	Gambier Islands Conservation Park	Peaked Rocks	-35.187	136.483	Haul-out	c
SA	Conservation Park	Investigator Group Conservation Park	Pearson Island	-33.949	134.261	Haul-out (OP)	f
SA	Wilderness Area	Cape Gantheaume Wilderness Area	Pelorus Islet - KI	-36.129	137.544	Haul-out	m
SA	Conservation Park	Point Labatt Conservation Park	Point Labatt	-33.153	134.261	Haul-out	j
SA			Rabbit Island (Coffin Bay)	-34.620	135.433	Haul-out	
SA			Rabbit Island (Louth Bay)	-34.605	135.986	Haul-out	
SA	Crown Land	Vacant Crown Land	Rapid Head	-35.519	138.167	Haul-out	l
SA	Conservation Park	Rocky Island North Conservation Park	Rocky Island (North)	-34.259	135.260	Haul-out	c
SA	Conservation Park	Rocky Island South Conservation Park	Rocky Island (South)	-34.810	134.718	Breeding\ Haul-out	f
SA	Conservation Park	West Island Conservation Park	Seal Island (Encounter Bay)	-35.577	138.644	Haul-out	l
SA	Conservation Park	Althorpe Island Conservatin Park	Seal Island (Toe of Yorke Pen)	-35.339	136.921	Breeding\ Haul-out	c
SA	National Park	Flinders Chase National Park, Prohibited Area	South Casuarina Island - KI	-36.086	136.694	Haul-out	c
SA	Conservation Park	Neptune Islands Conservation Park, Prohibited Area	South Neptune Island	-35.320	136.112	Breeding\ Haul-out	j, r
SA	Conservation Park	Neptune Islands Conservation Park	South Neptune Island (Lthouse)	-35.336	136.111	Haul-out (OP)	j
SA	Conservation Park	Gambier Islands Conservation Park	South-west Rock	-35.187	136.483	Haul-out	c
SA	Wilderness Area	Cape Gantheaume Wilderness Area	The Verandah - KI	-36.008	137.603	Haul-out	i, g
SA	National Park	Flinders Chase National Park, Prohibited Area	Vennachar Point - KI	-35.886	136.535	Haul-out	c
SA	Conservation Park	Investigator Group Conservation Park	Ward Island	-33.741	134.285	Breeding\ Haul-out	c
SA	Freehold	None	Wedge Island	-35.159	136.489	Haul-out	c
SA	Conservation Park	West Island Conservation Park	West Island	-35.606	138.592	Haul-out	l
SA	Conservation Park	Waldegrave Island Conservation Park	West Waldegrave Is (Little Waldegrave Is. Outer Waldegrave Is. Seal Is.)	-33.596	134.779	Haul-out (OP)	f
SA	National Park	Lincoln National Park	Williams Island	-35.029	135.971	Haul-out	c
SA	Crown Land	Vacant Crown Land	Young Rocks (Young Rock)	-36.363	137.263	Haul-out	
SA	National Park	Flinders Chase National Park, Prohibited Area	KI - Knife and Steel Beach	-36.050	136.710	Haul-out (OP)	n
Tas.	National Park		Maatsuyker Island	-43.649	146.283	Breeding	t
Tas.	National Park		Maatsuyker Island	-43.649	146.283	Breeding	t
Tas.	National Park		Flat Witch Island	-43.619	146.287	Breeding	t
Tas.	National Park		Flat Witch Island	-43.619	146.287	Breeding	t

¹ Definitions:

Breeding: has at least 15 pups 'recorded during at least one survey over the past 20 years' **Haul-out (OP):** haul-out with occasional pupping—has 1–14 pups 'recorded during at least one survey over the past 20 years' **Haul-out:** sites that are frequented by seals

a) Shaughnessy *et al.* (2001); (b) Kirkwood *et al.* (2005); (c) Shaughnessy *et al.* (1994); (d) Dennis and Shaughnessy (1996); (e) Shaughnessy and Dennis (1999); (f) Shaughnessy pers comm.; (g) Shaughnessy and Dennis (2002); (h) Jane McKenzie, La Trobe University pers. comm.; (i) Juvenile haul-out, B. Page (2001); (j) Shaughnessy and Dennis (2003); (k) Biological Survey Database, South Australia; (l) Entered by Alison Wright, from local knowledge of Chris Halstead, Nov 2004; (m) Robinson *et al.* (1996); (n) Shaughnessy and Dennis (2004); (o) Shaughnessy and Dennis (1998); (p) Shaughnessy and Dennis (2001); (q) Shaughnessy (1997); (r) Shaughnessy and McKeown (2002); (s) Brad Page, La Trobe University, pers. comm.; (t) UD.

Appendix D Relevant standards from the draft policy specifically associated with recreational and commercial tourism interactions with marine mammals in South Australia.

Operating standards.

Minimum standards:

- Standard 1. Do not touch or attempt to touch a marine mammal.
- Standard 2. Do not feed or attempt to feed a marine mammal.
- Standard 3. Do not discard any food, debris or waste within the caution zone (**150 m of a seal or sea lion—see Table below**) of a marine mammal.
- Standard 4. Do not make any loud or sudden noises, or play underwater sound recordings, within the caution zone of a marine mammal.
- Standard 5. Do not enter or remain within the caution zone of a marine mammal that is within a special interest area (during the period stated), except in accordance with a Department of the Environment and Heritage permit, licence or other agreement, or in the presence of a warden.
- Standard 6. Immediately withdraw from the caution zone of a marine mammal that appears to be distressed, sick, injured, stranded, entangled or dead.
- Standard 7. Observe the following approach limits within the caution zone of a marine mammal: no closer than 15 m to a seal or sea lion [Note: Allowing oneself to drift within a specified approach limit due to wind, currents or forward momentum constitutes an approach and should not occur].

Additional standards when using aircraft

- Standard 8. Do not enter or remain with the caution zone of a marine mammal when using an aircraft below an altitude of 1000 feet.
- Standard 9. Do not hover, circle or make any sudden or repeated changes in direction or speed when using an aircraft within the caution zone of a marine mammal.

Additional standards when using motorised vessels

- Standard 10. Do not enter or remain with the caution zone of a marine mammal when using the following motorised vessels:
 - a hovercraft; or
 - a wing in ground-effect craft [WIG]; or
 - a personal motorised watercraft (e.g. jetski, seadoo); or
 - a vessel engaged in motorised water sports (e.g. waterskiing, parasailing).
- Standard 11. Observe a 'no wake' speed limit when using a motorised vessel within the caution zone of a marine mammal.
- Standard 12. Do not make any sudden or repeated changes in direction or speed when using a motorised vessel within the caution zone of a marine mammal.

- Standard 13. Do not enter or remain with the caution zone of a marine mammal if another motorised vessel is already present.[Note: The vessel closest to the marine mammal has priority at all times.]
- Standard 14. Observe a one-hour time limit when using a motorised vessel within the caution zone of a marine mammal.
- Standard 15. Post a dedicated lookout when using a motorised vessel within the caution zone of a marine mammal, to monitor marine mammal activity.
- Standard 16. Observe the following approach limits when using a motorised vessel within the caution zone of a marine mammal:·no closer than 50 m to a seal or sea lion. [Note: Allowing the vessel to drift within a specified approach limit due to wind, currents or forward momentum constitutes an approach and should not occur.]
- Standard 17. Do not use a motorised vessel in the following ways:·
to follow a marine mammal; or·
to approach a marine mammal from head-on or from directly behind; or·
to approach a marine mammal from an angle of less than 30 degrees to its observed direction of travel.
- Standard 18. Do not position a motorised vessel in the following ways:·
to be directly upwind of a marine mammal; or·
to intercept the travel path of a marine mammal; or·
to come between a marine mammal and its likely escape route.
- Standard 19. Ensure that any motorised vessel used is in good condition and has the following features:·
main engines fitted or designed so that they can be readily shut down or idled for long periods; and
good access for passenger viewing to minimise the need to constantly reposition the vessel for viewing; and·
manoeuvrability at low speeds to minimise the need for increased revolutions to position the vessel; and·
low windage in relation to draught to minimise effects of wind on position.

Additional standards when conducting in-water interactions

- Standard 20. Do not conduct an in-water interaction with a group of more than 20 persons.
- Standard 21. Do not conduct an in-water interaction for more than 30 minutes.
- Standard 22. Do not conduct more than two in-water interactions per day with a particular marine mammal or group of marine mammals.
- Standard 23. Ensure that any person who participates in an in-water interaction:·
is wearing a suitable flotation device; and·
does not wear sunscreen; and·
enters the water in a quiet and orderly fashion; and·
avoids sudden movements; and·
does not approach or attempt to approach a marine mammal.

- Standard 24. Do not conduct an in-water interaction with the following equipment:
 artificial lighting (e.g. torches, flash photography); or
 underwater breathing apparatus (e.g. scuba, hookah); or
 motorised diving aids (e.g. personal water propeller, sea-scooter).
- Standard 25. Do not conduct an in-water interaction from a moving vessel unless:
 the vessel is moved in a direction parallel to (or away from) that of a marine mammal; and
 each person in the water is holding onto a mermaid line (or equivalent).
- Standard 26. Immediately discontinue an in-water interaction if a shark or a newborn marine mammal (fully dependent upon its mother) is observed.

Species (caution zone)	Type of marine mammal	Persons on land or in the water	PERSONS IN CONTROL OF CERTAIN CRAFT			
			Non-motorised vessel	Motorised vessel ('no wake' speed)	Hovercraft, WIG, PWC, water sports	Aircraft (min. 1000 ft)
Seal or Sea lion (150 m)	Distressed, sick, injured, stranded, entangled, dead	150 m	150m	150 m	150 m	150 m
	Within a special interest area ¹ (during period stated)	with permit or warden–15 m otherwise–150 m		150 m	150 m	150 m
	Other	15 m	15 m	50 m	150 m	150 m

¹ No permits are available for seal/sea lion interactions using a motorised vessel in the Seal Bay special interest area

Appendix E Western Australian *Wildlife Conservation Act 1950*, *Wildlife Conservation (close season for marine mammals) Notice 1998*, made by the Minister under section 14(2)(a).

5. (2) A contact vessel (any vessel—including powered boats, sailing boats, inflatable boats, hovercraft, kayaks, surf skis, and jet skis—and any tender vessel accompanying the vessel, within a contact zone, which for seals is the area within a water surface radius of 100 m of the animal) or aircraft must not, without reasonable excuse, disperse or separate a group of marine mammals
5. (6) A contact vessel must not, without reasonable excuse, block
 - b) any passage of escape available to a marine mammal from an area where escape is otherwise prevented by a barrier, shallow water, vessel or some other obstacle to the marine mammal's free passage
5. (7) A contact vessel must abandon interaction with a marine mammal at any sign of a marine mammal becoming disturbed or alarmed except in the case of a remedial interaction.
6. (1) Aircraft are not, without reasonable excuse, to fly within a distance of 300 m of a marine mammal
7. (1) A person must not feed a marine mammal
7. (2) A person must not, without reasonable excuse, block the direction of travel of a marine mammal any passage of escape available to a marine mammal from an area where escape is otherwise prevented by a barrier, shallow water, vessel, vehicle or some their obstacle to the marine mammal's free passage.
7. (4) If a person is in the water and a fur seal, seal or sea lion is within a distance of 10 m that person must not attempt to pursue or touch the fur seal, seal or sea lion and must avoid allowing a fur seal, seal or sea lion to touch them. (Note, fur seals, seals and sea lions can be dangerous and can cause serious injury if approached.)
7. (5) A person in a contact vessel must not attempt to touch a marine mammal or allow a marine mammal to touch them.
8. Commercial interaction with marine mammals is unlawful in all state waters (and land) unless a licence to carry out this activity has been granted under the *Wildlife Conservation Act 1950* and, similarly, commercial interaction is unlawful in any reserve to which the *Conservation and Land Management Act 1984* applies unless the relevant licence is also held under the *Conservation and Land Management Act 1984*.
9. Clauses 5, 6 and 7 do not apply to a person who is authorized under the Act to interact with marine mammals, if the interaction occurs in accordance with the authorisation. *For example:* a licence issued under Regulation 17 of the *Wildlife Conservation Regulations 1970* or remedial interactions undertaken at a whale stranding.
10. (1) It is an offence for a person to capture, kill, injure, hunt, hit, strike, ride, disturb, molest or take in any other way, a marine mammal unless that person does so in accordance with this notice and the *Wildlife Conservation Act 1950*, or unless it is lawful for that person to do so under the *Conservation and Land Management Act 1984*. It is also an offence for a person to have in his/her possession any carcass or any part of any carcass of any dead marine mammal unless authorised in writing by the Executive Director of CALM.
10. (2) To the extent that this notice and the *Wildlife Conservation (Close Season for Bottlenose Dolphins in Shark Bay Marine Park) Notice 1995* are inconsistent, the *Wildlife Conservation (Close Season for Bottlenose Dolphins in Shark Bay Marine Park) Notice 1995* prevails.

Further conditions for marine mammal (seal and sea lion) interaction licences issued pursuant to Wildlife Conservation Regulation 15 and the *Wildlife Conservation Act 1950*, applying to commercial wildlife interaction tour operations.

1. General

This licence applies to interactions from the platform of the vessel (i.e. the vessel specified in the purpose of this licence) and does not authorise any swimming with seals/sea lions or any other 'in water' interactions with seals and sea lions.

The Licensee shall not feed marine mammals or throw any object in the water in the vicinity of marine mammals, nor shall he/she permit any passengers or crew to do so.

The Licensee shall dedicate a crew member as a marine mammal lookout.

The Licensee shall ensure that persons under their control or involved in their tour shall NOT touch, or attempt to touch, a seal/sea lion.

The Licensee shall ensure that persons under their control or involved in their tour shall NOT enter the water from the tour vessel in situations where seals/sea lions are closer than 10 m distant from the vessel.

The Licensee shall ensure that at all times persons under their control or involved in their tour shall maintain AT LEAST 5 to 10 m distance away from any sea lions 'hailed out' on land (or rocks or navigation markers etc.)

2. Use of Vessels Covered by this Licence

The Licensee shall NOT permit the vessel to:

restrict the normal behaviour of marine mammals; or, effectively herd or chase marine mammals; or 'box-in' seals/sea lions in or cut off their path; or approach closer than 50 m to island inhabited by breeding seal populations.

3. Area of Operations

- 3.1. This licence covers marine mammal interactions only within that area of Western Australia identified in the 'purpose' section of this licence.

4. Operations near Research Vessels

- 4.1. The Licensee shall not, in circumstances where an identified (signposted and licensed) marine mammal research vessel is interacting with a seal, encroach upon that research interaction unless such an approach is agreed to by the skipper of the research vessel. (Note that similarly, in situations where marine mammals are being interacted with by Wildlife Conservation Regulation 15 licensees, the researchers must not approach those mammals closer than public limits unless a closer approach is agreed to by the interacting licensees).

5. Aircraft and Marine Mammals

- 5.2. The Licensee shall not, under any circumstances, use helicopters to spot marine mammals for vessel based interaction purposes.

6. Reports and Provision of Information

- 6.1. The licensee shall co-operate with the Department of Conservation and Land Management in gathering and providing any reasonable data as may be required for research and management purposes.

7. Cautions and Insurance

- 7.1. The Licensee is to exercise due care in the vicinity of marine mammals in recognition that they are wild animals and, while normally not aggressive to vessels or people, are capable of inflicting damage or injury, particularly if harassed or distressed.

The Licensee shall only undertake marine mammal interactions as provided for under this licence during periods when the licence is both:

fully covered by comprehensive insurance for the full value of the vessel (or aircraft, as appropriate) and all equipment for all licensed marine mammal interaction operations; and

holds a valid public liability insurance policy providing no less than A\$5 million cover for all licensed marine mammal interaction operations.

- 7.3 This Licence is an authority to operate marine mammal interactions only within the scope of the *Wildlife Conservation Act 1950* and associated regulations as they apply to the conservation and protection of wildlife and related matters. The Licensee has the responsibility to ensure that he/she has all other necessary legal authorities and approvals to undertake all activities associated with the interactions with marine mammals authorised under this licence.

Further conditions for marine mammal (sea lion) interaction licences issued pursuant to Wildlife Conservation Regulation 15 and the *Wildlife Conservation Act 1950*, applying to commercial wildlife interaction tour operations.

1. General

This licence applies to boat-based interactions from the vessel (i.e. the vessel specified in the purpose of this licence).

The Licensee is authorised by this licence to conduct both viewing of sea lions from the vessel and 'in water' tour interactions with sea lions to the approach limits specified in the *Wildlife Conservation (Close Season for Marine Mammals) Notice 1998* (i.e. persons involved in the tour in any capacity may approach sea lions in the water no closer than 10 m and must carefully move away from any sea lions that approach closer than this distance).

The Licensee shall NOT feed marine mammals or throw any object in the water in the vicinity of marine mammals, nor shall he/she permit any passengers or crew to do so.

The Licensee shall dedicate a crew member as a marine mammal lookout.

The Licensee shall ensure that persons under their control or involved in their tour shall NOT touch, or attempt to touch, a sea lion.

The Licensee shall ensure that persons under their control or involved in their tour shall NOT enter the water from the tour vessel in situations where sea lions are closer than 10 m distant from the vessel.

The Licensee shall ensure that at all times persons under their control or involved in their tour shall maintain AT LEAST 5 to 10 m distance away from any sea lions 'hauled out' on land (or rocks or navigation markers etc.)

2. Use of Vessels Covered by this Licence

The Licensee shall NOT permit the vessel to:

restrict the normal behaviour of marine mammals; or, effectively herd or chase marine mammals; or 'box-in' sea lions in or cut off their path; or approach closer than 50 m to island inhabited by breeding seal populations.

3. Area of Operations

This licence covers marine mammal interactions only within that area of Western Australia identified in the 'purpose' section of this licence.

4. Operations near Research Vessels

- 4.1 The Licensee shall not, in circumstances where an identified (signposted and licensed) marine mammal research vessel is interacting with a sea lion, encroach upon that research interaction unless such an approach is agreed to by the skipper of the research vessel. (Note that similarly, in situations where marine mammals are being interacted with by Wildlife Conservation Regulation 15 licensees, the researchers must not approach those mammals closer than public limits unless a closer approach is agreed to by the interacting licensees).

5. Aircraft and Marine Mammals

- 5.2 The Licensee shall not, under any circumstances, use helicopters to spot marine mammals for vessel based interaction purposes.

6. Reports and Provision of Information

- 6.1 The licensee shall co-operate with the Department of Conservation and Land Management in gathering and providing any reasonable data as may be required for research and management purposes.

7. Cautions and Insurance

- 7.1 The Licensee is to exercise due care in the vicinity of marine mammals in recognition that they are wild animals and, while normally not aggressive to vessels or people, are capable of inflicting damage or injury, particularly if harassed or distressed.
The Licensee shall only undertake marine mammal interactions as provided for under this licence during periods when the licence is both:
fully covered by comprehensive insurance for the full value of the vessel (or aircraft, as appropriate) and all equipment for all licensed marine mammal interaction operations; and holds a valid public liability insurance policy providing no less than A\$5 million cover for all licensed marine mammal interaction operations.
- 7.3 This Licence is an authority to operate marine mammal interactions only within the scope of the *Wildlife Conservation Act 1950* and associated regulations as they apply to the conservation and protection of wildlife and related matters. The Licensee has the responsibility to ensure that he/she has all other necessary legal authorities and approvals to undertake all activities associated with the interactions with marine mammals authorised under this licence.

Appendix F Abbreviations

AFMA	Australian Fisheries Management Authority
BAP	Bycatch Action Plan
BRS	Bureau of Rural Sciences
CALM	Department of Conservation and Land Management
CITES	<i>International Trade in Endangered Species</i>
CTS	Commonwealth Trawl Sector
DAFF	Australian Government Department of Agriculture, Fisheries and Forestry
DEH	Australian Government Department of the Environment and Heritage
EMS	Environmental Management Strategy
EPBC Act	<i>Environment Protection and Biodiversity Conservation Act 1999</i>
FFG Act	Flora and Fauna Guarantee Act 1988
GHATF	Gillnet, Hook and Trap Fishery
ISMP	Integrated Scientific Monitoring Programme
IUCN	International Union for the Conservation of Nature and Natural Resources
MACC	Marine and Coastal Committee
MSC	The Marine Stewardship Council
NHT	Natural Heritage Trust
NSSG	National Seal Strategy Group
PIRSA	Primary Industries and Resources, South Australia
SA	South Australia
SARDI	South Australian Research and Development Institute
SESSF	Southern and Eastern Scalefish and Shark Fishery
SETF	South East Trawl Fishery
SETFIA	South East Trawl Fishery Industry Association
SED	Seal Exclusion Device
SLED	Sea lion excluder device
SMP	Scientific Monitoring Programme
SRG	Scientific Reference Group
SSJF	Southern Squid Jig Fishery
WA	Western Australia
WCRLF	West Coast Rock Lobster Fishery

