



DEWNR F0001406101

Office of the Group Executive
Director, People and
Performance

81-95 Waymouth Street
Adelaide SA 5000

GPO Box 1047
Adelaide SA 5001
Australia

Ph: +61 8 8204 9473

www.environment.sa.gov.au

Date: 9 JAN 2018

Mr Stephan Knoll MP
Member for Schubert
129A Murray Street
TANUNDA SA 5352

Dear Mr Knoll,

RE: FREEDOM OF INFORMATION APPLICATION

I refer to your application pursuant to the *Freedom of Information Act 1991* (the Act) received by the Department of Environment, Water and Natural Resources (DEWNR) on 6 November 2017, seeking access to documents:

"Any report showing a relationship between Marine Parks and/or Sanctuary Zones and the number of detected sharks from 1 January 2013 until 1 July 2017."

I apologise for the delay in processing your request.

DETERMINATION

Searches of the Department's records have found six (6) documents held by this agency containing data that is considered within the scope of the request. However, the information captured has not been recorded to specifically identify shark details within Marine Parks and preliminary assessment of the data does not indicate a relationship between Sanctuary Zones and shark abundances. A formal analysis of the data has not been undertaken to date by DEWNR.

As a DEWNR Accredited FOI Officer, I have determined to grant you full access to three (3) documents and refuse access to three (3) documents. Section 20 of the Act provides that an agency may refuse access to a document if it is an exempt document under the Act.

The key aim of Marine Parks monitoring is to examine whether Marine Park Sanctuary Zone (SZ) are protecting and conserving marine biodiversity. The Marine Parks ecological monitoring program collects data from inside Marine Park Sanctuary Zone (SZ) sites and outside Marine Park SZ sites. Sites outside Marine Park SZ may still be within the boundary of the Marine Park itself or they may be outside of the boundary of the Marine Park. Shark species and numbers are recorded as part of this monitoring program. Data included in the

attached documents has been collected from both inside Sanctuary Zone (SZ) sites and outside SZ sites, which may or may not be in a Marine Park.

The documents, or parts of the document to which I am refusing access and the reasons for the refusal are summarised in the attached document schedule and explained in more detail below.

Document numbers 1-3

Section 20(1)(b) of the Act states that if the documents are otherwise available for inspection (e.g. via internet sites, annual reports, newspapers, online publications etc.), access to the document can be refused.

I hereby determine to refuse access to documents 1-3 under Section 20(1)(b) the Act and direct you to the summary in the attached document schedule for the relevant internet site details.

There is no charge for processing this application.

In accordance with Department of Premier and Cabinet Circular [PC045 – Disclosure logs for Non-personal information](#), DEWNR is required to make information and documents that have been disclosed to an FOI applicant available on its website. Information will be publicised online at <http://www.environment.sa.gov.au/about-us/freedom-of-information/foi-disclosure-log>.

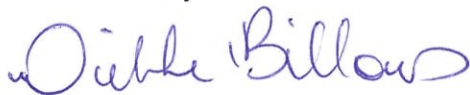
YOUR APPEAL RIGHTS

If you are dissatisfied with this determination, you are entitled to exercise your rights to internal review and appeal as outlined in the attached documentation, by completing an Application for Review of Determination. If you decide to apply to exercise your rights to review, a completed form must be returned within 30 days to:

Chief Executive
Department of Environment, Water and Natural Resources
GPO Box 1047
ADELAIDE SA 5001

If you have any queries in relation to the FOI process please contact Ms Katrina Button on telephone (08) 8463 6625 or email DEWNR.FOI@sa.gov.au.

Yours sincerely



Wiebke Billows

**ACCREDITED FREEDOM OF INFORMATION OFFICER
DEPARTMENT OF ENVIRONMENT, WATER AND NATURAL RESOURCES**

Freedom of Information application: F0001406101 - Stephan Knoll MP - Shark numbers

"Any report showing a relationship between Marine Parks and/or Sanctuary Zones and the number of detected sharks from 1 January 2013 until 1 July 2017."

No	Date	Author	Document Description	Determination	Clause	Reason
1	2014	PIRSA	2014 Research and monitoring report	Refuse Access	20 (1) (b)	Publically available online at http://www.environment.sa.gov.au/marineparks/enjoy/shark-cage-diving *see heading 'Research and monitoring'.
2	2015	PIRSA	2015 Research and monitoring report	Refuse Access	20 (1) (b)	Publically available online at http://www.environment.sa.gov.au/marineparks/enjoy/shark-cage-diving *see heading 'Research and monitoring'.
3	2016	PIRSA	2016 Research and monitoring report	Refuse Access	20 (1) (b)	Publically available online at http://www.environment.sa.gov.au/marineparks/enjoy/shark-cage-diving *see heading 'Research and monitoring'.
4	15/11/2017	DEWNR (K Lashmar)	Data extracted from Reef Life Survey Database containing all the shark species records captured as part of the Natural Resources Kangaroo Island subtidal reef monitoring project conducted between April 2013 and March 2014.	Full Release		
5	15/11/2017	DEWNR (K Lashmar)	Data extracted from BRUVS Database containing all the shark species records captured as part of the Natural Resources Kangaroo Island seagrass fish assemblage monitoring project conducted between January 2014 and April 2017.	Full Release		
6	Various	DEWNR	Data extracted from BRUVS Database containing all the shark species records captured across inside and outside of sanctuary zones across multiple regions	Full Release		

Site No.	Site Name	Region	Latitude	Longitude	Year	Date	vis	Direction	Time	Depth	Method	Block	Code	Species	Common name	Total	2.5	5	7.5	10	12.5	15	20	25	30	35	40	50	62.5	75	87.5	100	112.5	125	137.5	150	162.5	175		
FOTS8	Mares Tail	Mid-north Coast	-35.600682	137.276527	2014	8/02/2014	5	WNW	14:00	1.2		0	1 oha	Orectolobus halei	Banded wobbegong	1																								
KI8	Cape Dutton	Mid-north Coast	-35.62865	137.14360	2014	31/03/2014	18	E	11:00	5		2	2 bwa	Brachaelurus waddi	Blind Shark	1							1																	
KI8	Cape Dutton	Mid-north Coast	-35.62865	137.14360	2014	31/03/2014	18	E	11:00	5		2	2 avi	Asymbolus vincenti	Gulf Catshark	1											1													

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Location	Site_ID	BRUVS_#	Latitude	Longitude	Habitat	Depth Class	Sampling Period	Date	Season	Observed Benthic Cover	Species	Common Name	No. (Max N)
Bay of Shoals	BoS_BRUVS1	1	-35.60951	137.61108	Seagrass	1-3m	2014	4/03/2014	Summer	Posidonia australis / Halophila australis / Caulosystis cephalomithos	Mustelus antarcticus	Gummy shark	2
Bay of Shoals	BoS_BRUVS2	2	-35.61549	137.60672	Seagrass	1-3m	2014	4/03/2014	Summer	Heterozostera tasmanica / Posidonia australis	Mustelus antarcticus	Gummy shark	1
Deep Creek	DC_BRUVS1	1	-35.76875	137.86686	Seagrass	3-6m	2014	8/01/2014	Summer	Posidonia sinuosa / Amphibolis antartica	Carcharhinus brachyurus	Bronze whaler	1
Deep Creek	DC_BRUVS2	2	-35.76417	137.86986	Seagrass	3-6m	2014	10/01/2014	Summer	Posidonia sinuosa / Posidonia australis	Heterodontus portusjacksoni	Port Jackson shark	2
Red Banks	RB_BRUVS1	1	-35.73066	137.69336	Seagrass	3-6m	2014	13/02/2014	Summer	Posidonia australis	Mustelus antarcticus	Gummy shark	1
South Spit	SS_BRUVS1	1	-35.66813	137.70809	Seagrass	6-12m	2014	13/02/2014	Summer	Posidonia sinuosa / Sargassum spp.	Mustelus antarcticus	Gummy shark	1
South Spit	SS_BRUVS2	2	-35.66791	137.7121	Seagrass	6-12m	2014	13/02/2014	Summer	Posidonia sinuosa / Caulocystis cephalomithos	Mustelus antarcticus	Gummy shark	1
South Spit	SS_BRUVS3	3	-35.66789	137.72379	Seagrass	6-12m	2014	13/02/2014	Summer	Bare / drift macroalgae	Mustelus antarcticus	Gummy shark	1
South Spit	SS_BRUVS1	1	-35.66813	137.70809	Seagrass	6-12m	2014	22/07/2014	Winter	Mixed Algae (Caulocystis cephalomithos / Sargassum spp.)	Heterodontus portusjacksoni	Port Jackson shark	1
Offshore Nepean Bay	ONB_BRUVS2	2	-35.69448	137.80936	Seagrass	6-12m	2015	20/03/2015	Summer	Posidonia sinuosa/angustifolia	Carcharhinus brachyurus	Bronze whaler	1
Offshore Nepean Bay	ONB_BRUVS3	3	-35.69541	137.81735	Seagrass	6-12m	2015	20/03/2015	Summer	Posidonia sinuosa/angustifolia	Carcharhinus brachyurus	Bronze whaler	1
Offshore Nepean Bay	ONB_BRUVS1	1	-35.69195	137.80458	Seagrass	6-12m	2015	20/03/2015	Summer	Posidonia sinuosa/angustifolia	Mustelus antarcticus	Gummy shark	1
Boxing Bay	BB_BRUVS3	3	-35.56753	137.60145	Seagrass	6-12m	2016	12/02/2016	Summer	Posidonia sinuosa, Amphibolis antartica, Amphibolis griffithii, Zostera sp.	Carcharhinus brachyurus	Bronze whaler	1
Boxing Bay	BB_BRUVS2	2	-35.5683	137.60775	Seagrass	6-12m	2016	12/02/2016	Summer	Posidonia sinuosa, Amphibolis antartica, Amphibolis griffithii, brown macroalgae	Mustelus antarcticus	Gummy shark	1
Frenchmans Rocks	FR_BRUVS2	2	-35.72234	137.71072	Seagrass & reef	3-6m	2016	11/03/2016	Summer	Mixed brown algae, Caulerpa spp., low profile limestone reef	Heterodontus portusjacksoni	Port Jackson shark	1
Lavers Reef	LR_BRUVS3	3	-35.76053	137.87447	Seagrass & reef	3-6m	2016	1/02/2016	Summer	Mixed brown algae & sessile invertebtares, low profile limestone reef, Posidonia sinuosa	Carcharhinus brachyurus	Bronze whaler	1
Lavers Reef	LR_BRUVS3	3	-35.76053	137.87447	Seagrass & reef	3-6m	2016	1/02/2016	Summer	Mixed brown algae & sessile invertebtares, low profile limestone reef, Posidonia sinuosa	Mustelus antarcticus	Gummy shark	1
Lavers Reef	LR_BRUVS3	3	-35.76053	137.87447	Seagrass & reef	3-6m	2016	1/02/2016	Summer	Mixed brown algae & sessile invertebtares, low profile limestone reef, Posidonia sinuosa	Heterodontus portusjacksoni	Port Jackson shark	1
Bay of Shoals	BoS_BRUVS1	1	-35.60951	137.61108	Seagrass	1-3m	2017	24/02/2017	Summer	Posidonia australis	Mustelus antarcticus	Gummy shark	1
Deep Creek	DC_BRUVS1	1	-35.76875	137.86686	Seagrass	3-6m	2017	27/02/2017	Summer	Posidonia sinuosa; Amphibolis antartica, scaberia agardhii	Heterodontus portusjacksoni	Port Jackson shark	1
Deep Creek	DC_BRUVS2	2	-35.76417	137.86986	Seagrass	3-6m	2017	27/02/2017	Summer	Posidonia sinuosa, scaberia agardhii	Heterodontus portusjacksoni	Port Jackson shark	3
Deep Creek	DC_BRUVS3	3	-35.76296	137.87389	Seagrass	3-6m	2017	27/02/2017	Summer	Posidonia sinuosa	Heterodontus portusjacksoni	Port Jackson shark	1
Emu Bay	EB_BRUVS3	3	-35.58666	137.53218	Seagrass	6-12m	2017	28/02/2017	Summer	Posidonia sinuosa; Amphibolis antartica	Heterodontus portusjacksoni	Port Jackson shark	1
Offshore Nepean Bay	ONB_BRUVS2	2	-35.69448	137.80936	Seagrass	6-12m	2017	20/02/2017	Summer	Posidonia sinuosa	Mustelus antarcticus	Gummy shark	1
Red Banks	RB_BRUVS2	2	-35.73268	137.69075	Seagrass	3-6m	2017	1/03/2017	Summer	Posidonia sinuosa; bare sand	Carcharhinus brachyurus	Bronze whaler	1
Red Banks	RB_BRUVS3	3	-35.73053	137.68634	Seagrass	3-6m	2017	1/03/2017	Summer	Posidonia sinuosa	Mustelus antarcticus	Gummy shark	1
Red Banks	RB_BRUVS3	3	-35.73053	137.68634	Seagrass	3-6m	2017	1/03/2017	Summer	Posidonia sinuosa	Heterodontus portusjacksoni	Port Jackson shark	1

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Total no of sharks recorded inside SZ vs Outside SZ from BRUVS monitoring program

RES_NUM	MPNAME	SZFullname	FieldSeason	InOutSZ	No.
2	Nuyts Archipelago	Isles of St Francis	2014_15	I	17
9	Franklin Harbor	Pt Gibbon	2016_17	I	1
10	Upper Spencer Gulf	Fairway Bank	2016_17	I	4
11	Eastern Spencer Gulf	Cape Elizabeth	2016_17	I	1
12	Southern Spencer Gulf	Chinamans Hat	2015_16	I	7
15	Encounter	Bay of Shoals	2016_17	I	4
15	Encounter	Carrickalinga Cliffs	2016_17	I	5
15	Encounter	Rapid Head	2015_16	I	2
15	Encounter	The Pages	2015_16	I	8
9	Franklin Harbor	Pt Gibbon	2016_17	O	17
10	Upper Spencer Gulf	Fairway Bank	2016_17	O	5
12	Southern Spencer Gulf	Chinamans Hat	2015_16	O	4
15	Encounter	Aldinga Reef	2015_16	O	5
15	Encounter	Bay of Shoals	2016_17	O	2
15	Encounter	The Pages	2015_16	O	1

Total no of sharks recorded inside SZ vs Outside SZ from BRUVS monitoring program by species

Sanctuary Zone	InOutSZ	Year	Family	Species	No
Isles of St Francis	I	2014_15	Heterodontidae	Heterodontus portusjacksoni	1
Isles of St Francis	I	2014_15	Triakidae	Mustelus antarcticus	1
Isles of St Francis	I	2014_15	Heterodontidae	Heterodontus portusjacksoni	1
Isles of St Francis	I	2014_15	Heterodontidae	Heterodontus portusjacksoni	1
Isles of St Francis	I	2014_15	Heterodontidae	Heterodontus portusjacksoni	1
Isles of St Francis	I	2014_15	Heterodontidae	Heterodontus portusjacksoni	2
Isles of St Francis	I	2014_15	Heterodontidae	Heterodontus portusjacksoni	3
Isles of St Francis	I	2014_15	Heterodontidae	Heterodontus portusjacksoni	2
Isles of St Francis	I	2014_15	Heterodontidae	Heterodontus portusjacksoni	1
Isles of St Francis	I	2014_15	Triakidae	Galeorhinus galeus	1
Isles of St Francis	I	2014_15	Heterodontidae	Heterodontus portusjacksoni	1
Isles of St Francis	I	2014_15	Heterodontidae	Heterodontus portusjacksoni	1
Isles of St Francis	I	2014_15	Triakidae	Mustelus antarcticus	1
Aldinga Reef	O	2015_16	Heterodontidae	Heterodontus portusjacksoni	1
Aldinga Reef	O	2015_16	Heterodontidae	Heterodontus portusjacksoni	1
Aldinga Reef	O	2015_16	Heterodontidae	Heterodontus portusjacksoni	1
Aldinga Reef	O	2015_16	Heterodontidae	Heterodontus portusjacksoni	1
Aldinga Reef	O	2015_16	Heterodontidae	Heterodontus portusjacksoni	1
Chinamans Hat	O	2015_16	Triakidae	Mustelus antarcticus	1
Chinamans Hat	O	2015_16	Triakidae	Mustelus antarcticus	1
Chinamans Hat	I	2015_16	Triakidae	Mustelus antarcticus	2
Chinamans Hat	I	2015_16	Triakidae	Mustelus antarcticus	1
Chinamans Hat	I	2015_16	Triakidae	Mustelus antarcticus	2
Chinamans Hat	O	2015_16	Heterodontidae	Heterodontus portusjacksoni	1
Chinamans Hat	O	2015_16	Heterodontidae	Heterodontus portusjacksoni	1
Chinamans Hat	I	2015_16	Triakidae	Mustelus antarcticus	1
Chinamans Hat	I	2015_16	Triakidae	Mustelus antarcticus	1
The Pages	I	2015_16	Triakidae	Mustelus antarcticus	1
The Pages	I	2015_16	Lamnidae	Carcharodon carcharias	1
The Pages	I	2015_16	Scyliorhinidae	Asymbolus vincenti	1
The Pages	O	2015_16	Lamnidae	Carcharodon carcharias	1
The Pages	I	2015_16	Triakidae	Mustelus antarcticus	2
The Pages	I	2015_16	Triakidae	Mustelus antarcticus	1
The Pages	I	2015_16	Lamnidae	Carcharodon carcharias	1
The Pages	I	2015_16	Scyliorhinidae	Asymbolus sp	1
Rapid Head	I	2015_16	Heterodontidae	Heterodontus portusjacksoni	1
Rapid Head	I	2015_16	Triakidae	Mustelus antarcticus	1
Bay of Shoals	I	2016_17	Triakidae	Mustelus antarcticus	1
Bay of Shoals	I	2016_17	Triakidae	Mustelus antarcticus	1
Bay of Shoals	I	2016_17	Triakidae	Mustelus antarcticus	1
Bay of Shoals	O	2016_17	Heterodontidae	Heterodontus portusjacksoni	2
Bay of Shoals	I	2016_17	Heterodontidae	Heterodontus portusjacksoni	1
Cape Elizabeth	I	2016_17	Triakidae	Furgaleus macki	1
Carrickalinga Cliffs	I	2016_17	Heterodontidae	Heterodontus portusjacksoni	1
Carrickalinga Cliffs	I	2016_17	Heterodontidae	Heterodontus portusjacksoni	1
Carrickalinga Cliffs	I	2016_17	Heterodontidae	Heterodontus portusjacksoni	3
Fairway Bank	O	2016_17	Heterodontidae	Heterodontus portusjacksoni	1
Fairway Bank	I	2016_17	Heterodontidae	Heterodontus portusjacksoni	2
Fairway Bank	I	2016_17	Heterodontidae	Heterodontus portusjacksoni	1
Fairway Bank	I	2016_17	Heterodontidae	Heterodontus portusjacksoni	1
Fairway Bank	O	2016_17	Heterodontidae	Heterodontus portusjacksoni	2
Fairway Bank	O	2016_17	Heterodontidae	Heterodontus portusjacksoni	1
Fairway Bank	O	2016_17	Heterodontidae	Heterodontus portusjacksoni	1
Pt Gibbon	I	2016_17	Triakidae	Furgaleus macki	1
Pt Gibbon	O	2016_17	Heterodontidae	Heterodontus portusjacksoni	2
Pt Gibbon	O	2016_17	Heterodontidae	Heterodontus portusjacksoni	2
Pt Gibbon	O	2016_17	Heterodontidae	Heterodontus portusjacksoni	1
Pt Gibbon	O	2016_17	Heterodontidae	Heterodontus portusjacksoni	1
Pt Gibbon	O	2016_17	Heterodontidae	Heterodontus portusjacksoni	2
Pt Gibbon	O	2016_17	Heterodontidae	Heterodontus portusjacksoni	2
Pt Gibbon	O	2016_17	Heterodontidae	Heterodontus portusjacksoni	3
Pt Gibbon	O	2016_17	Heterodontidae	Heterodontus portusjacksoni	2

Pt Gibbon	O	2016_17	Heterodontidae	Heterodontus portusjacksoni	1
Pt Gibbon	O	2016_17	Heterodontidae	Heterodontus portusjacksoni	1

Total no of sharks recorded inside SZ vs Outside SZ from DIVE monitoring program by species

Sanctuary Zone Name	Year	Species Name	CLASS	InOut	Number
Rapid Head	2013	Heterodontus portusjacksoni	Elasmobranchii	In	1
Chinamans Hat	2013	Heterodontus portusjacksoni	Elasmobranchii	Out	1
Rapid Head	2013	Parascyllium variolatum	Elasmobranchii	Out	1
Pearson Isles	2014	Orectolobus halei	Elasmobranchii	In	1
Top-Gallant Isles	2014	Heterodontus portusjacksoni	Elasmobranchii	Out	1
Pearson Isles	2014	Heterodontus portusjacksoni	Elasmobranchii	Out	1
Cape Dombey	2014	Parascyllium ferrugineum	Elasmobranchii	Out	1
Isles of St Francis	2015	Parascyllium ferrugineum	Elasmobranchii	Out	1
Isles of St Francis	2015	Parascyllium spp.	Elasmobranchii	Out	1
Isles of St Francis	2015	Parascyllium variolatum	Elasmobranchii	Out	1
Aldinga Reef	2016	Asymbolus vincenti	Elasmobranchii	Out	1
Aldinga Reef	2016	Parascyllium variolatum	Elasmobranchii	Out	1