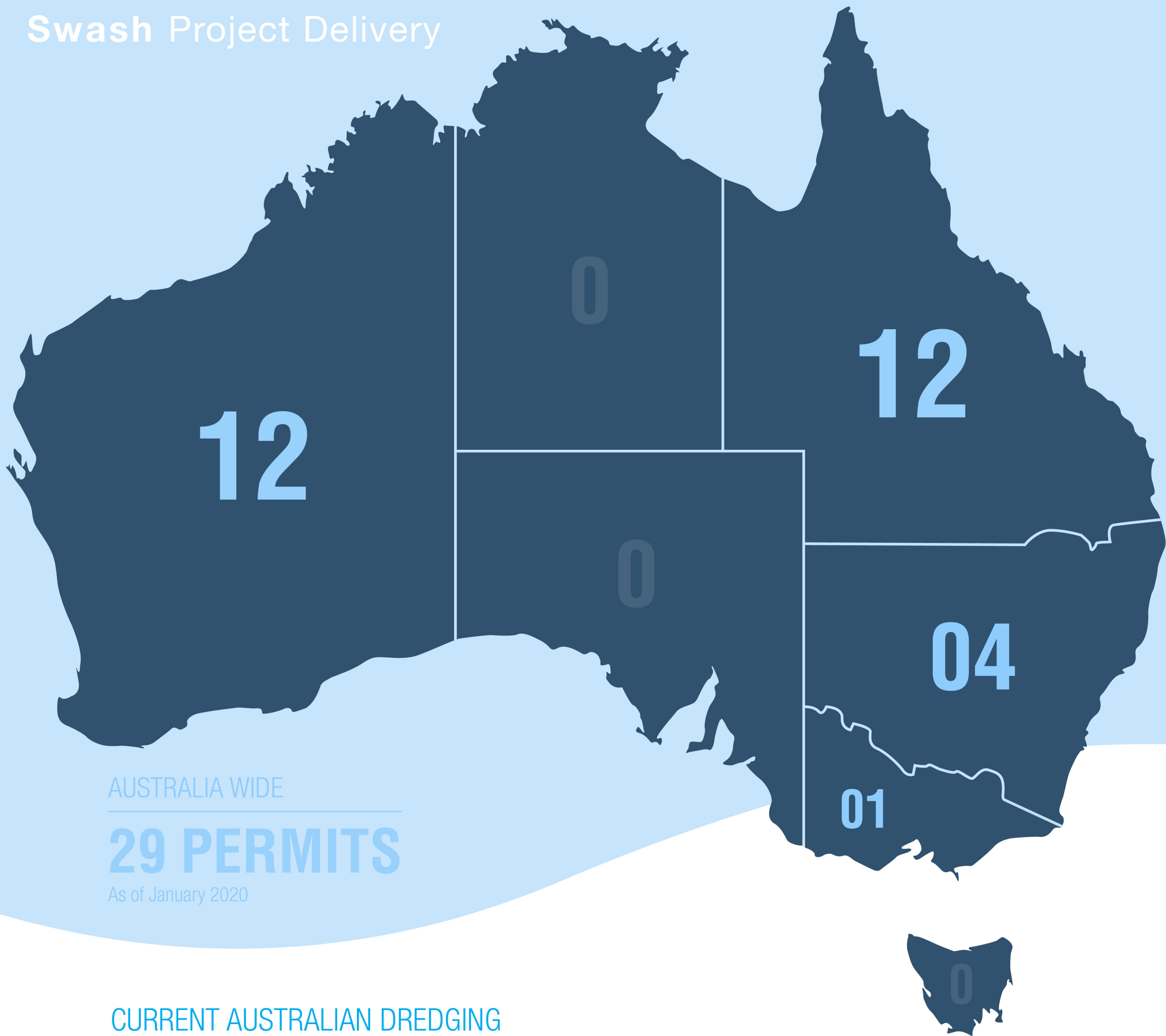


Swash Project Delivery



AUSTRALIA WIDE

29 PERMITS

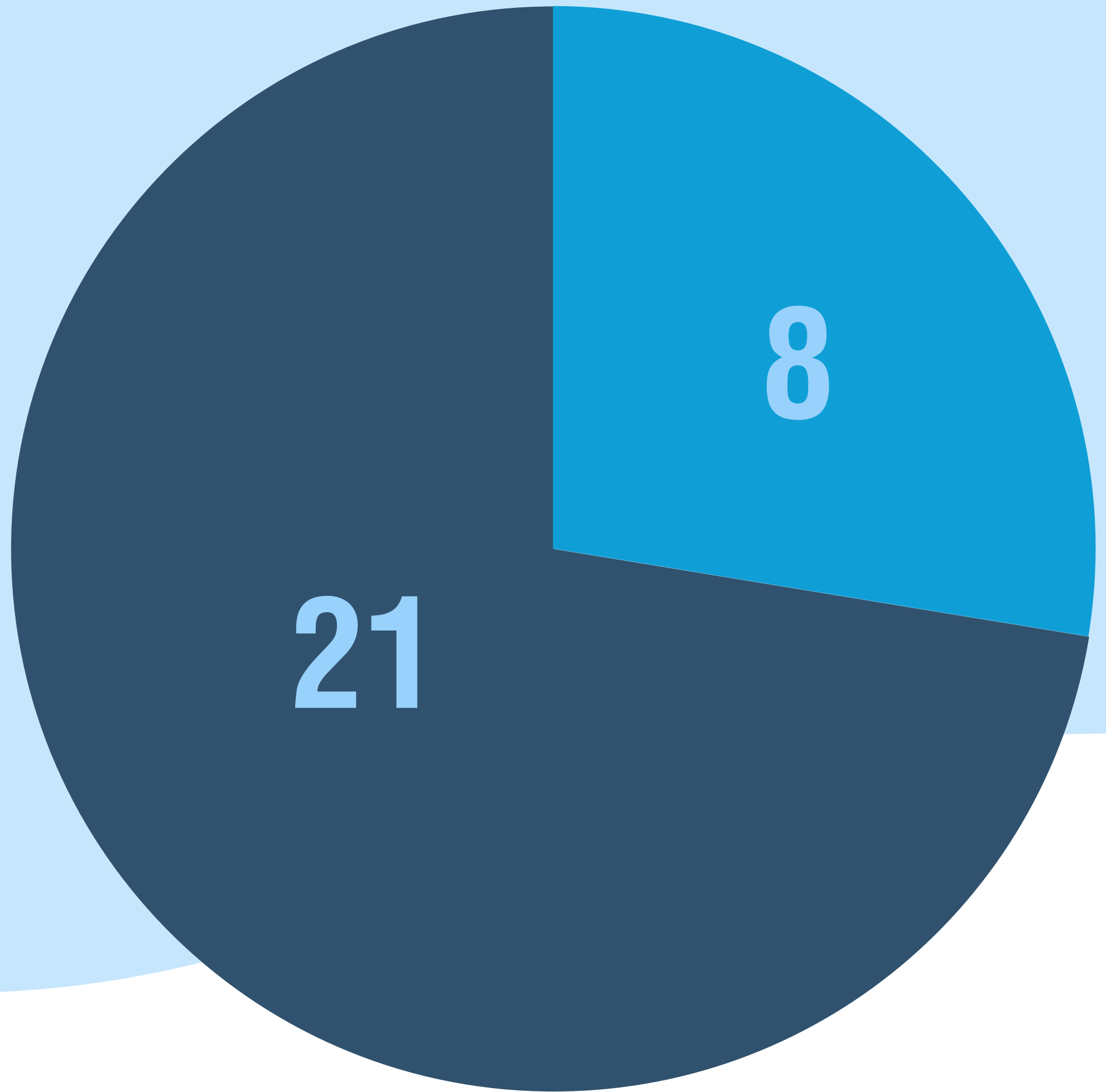
As of January 2020

CURRENT AUSTRALIAN DREDGING
SEA DUMPING PERMITS

AUSTRALIAN DREDGING SEA DUMPING PERMITS

CAPITAL vs MAINTENANCE

- MAINTENANCE
- CAPITAL

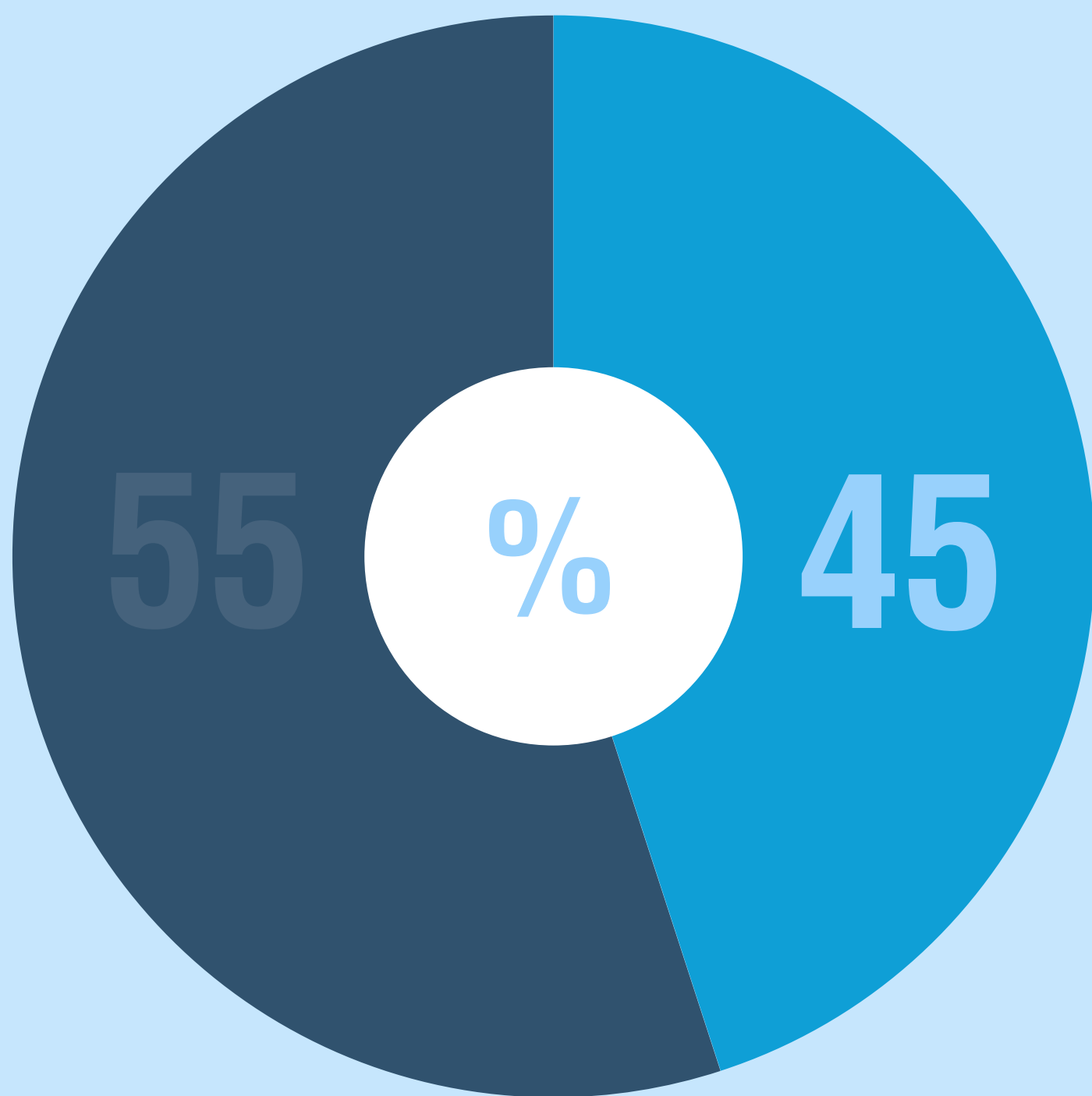


NO. OF PERMITS

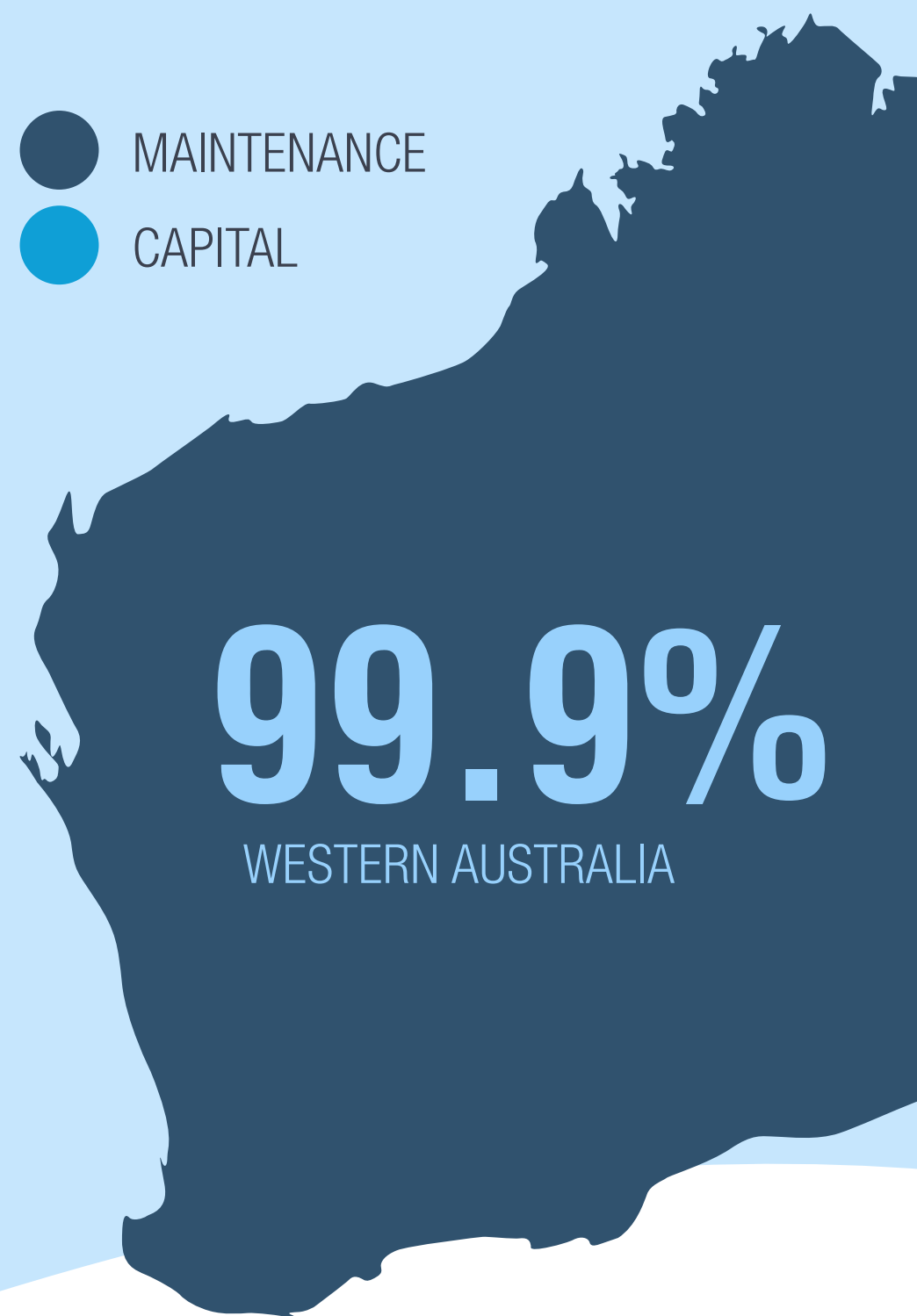
As of January 2020

Swash Project Delivery

AUSTRALIAN DREDGING SEA DUMPING PERMITS CAPITAL



- MAINTENANCE
- CAPITAL



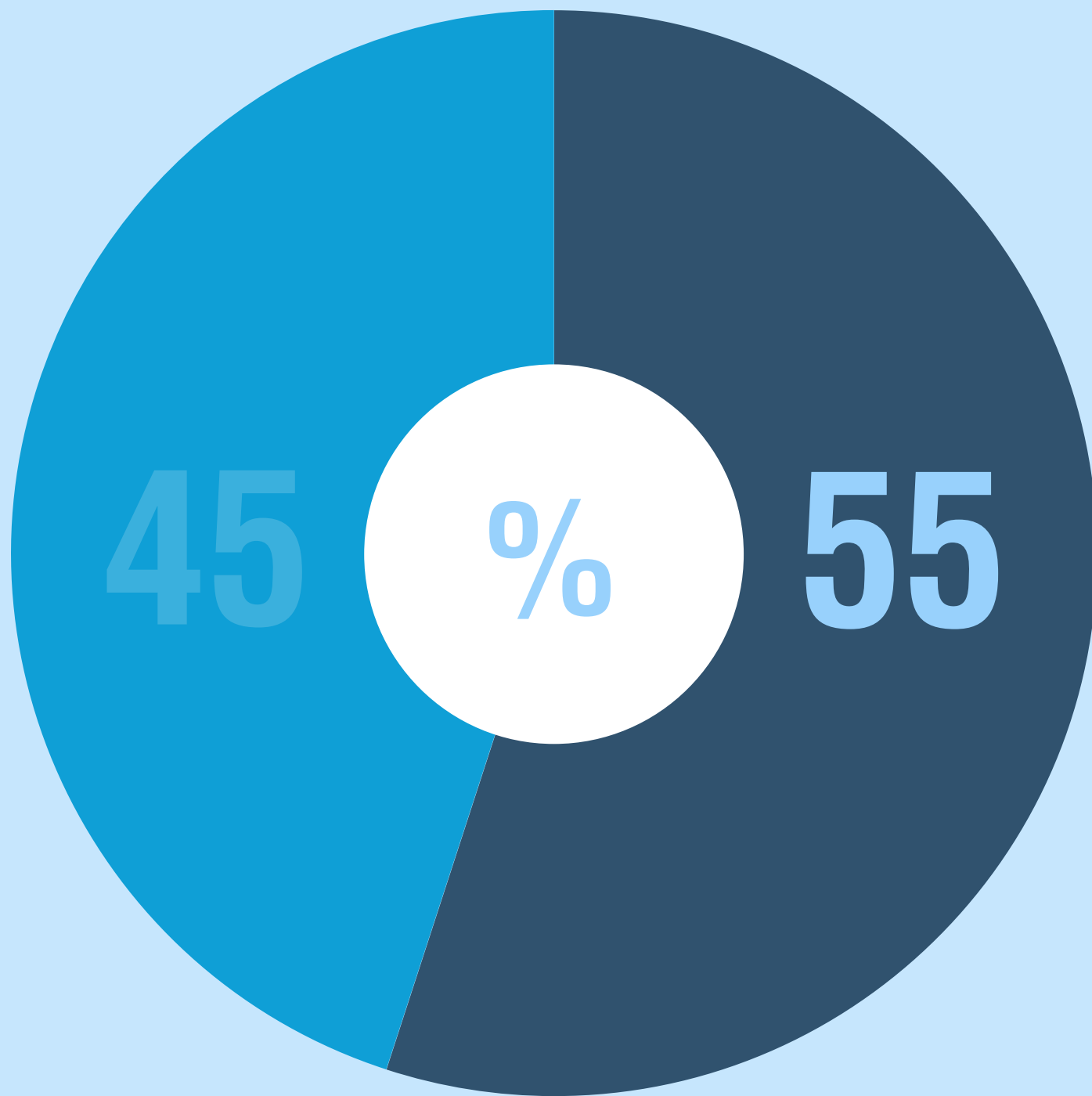
0.1% NSW

VOLUMES

BY PERCENTAGE | As of January 2020

Swash Project Delivery

AUSTRALIAN DREDGING SEA DUMPING PERMITS MAINTENANCE



QLD	55%
WA	23%
VIC	12%
NSW	10%

- MAINTENANCE
- CAPITAL

MAINTENANCE VOLUMES BY STATE

BY PERCENTAGE | As of January 2020

Swash Project Delivery

AUSTRALIAN DREDGING SEA DUMPING PERMITS REGULATORS



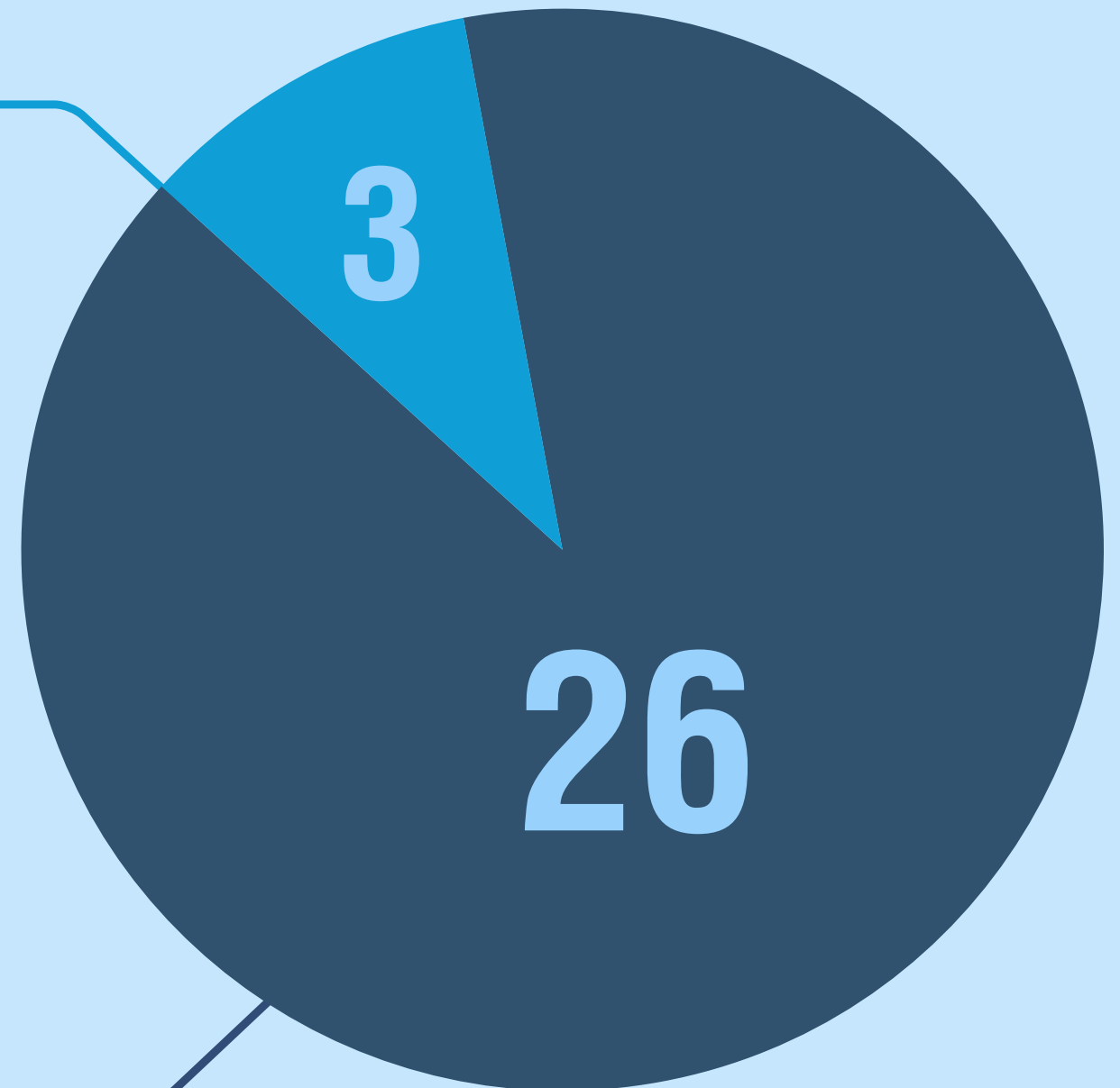
Great Barrier Reef Marine Park

GBRMPA

GREAT BARRIER REEF
MARINE PARK AUTHORITY

DAWE

DEPARTMENT OF AGRICULTURE,
WATER AND THE ENVIRONMENT



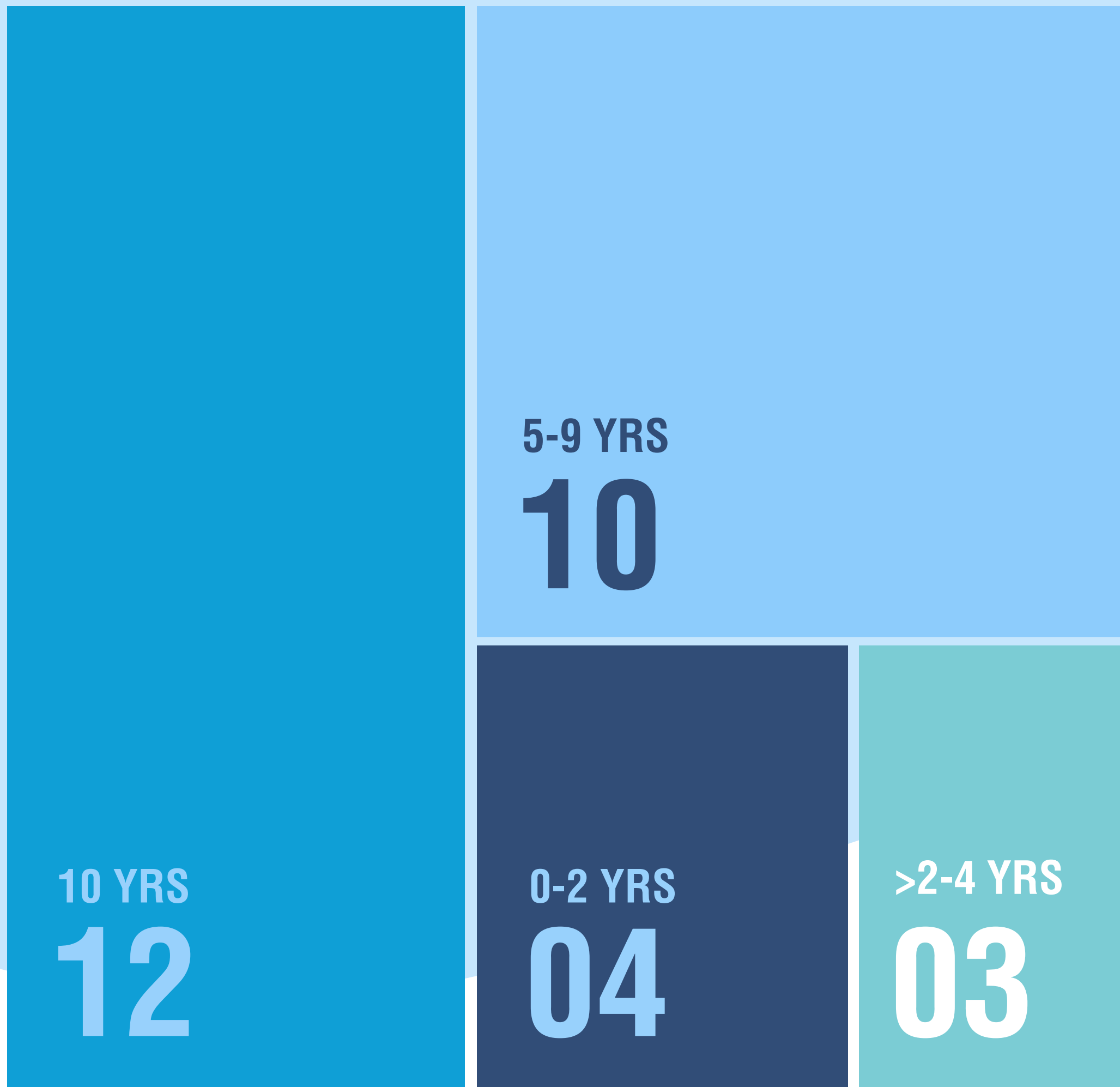
NO. PERMITS ISSUED

As of January 2020

Swash Project Delivery

AUSTRALIAN DREDGING SEA DUMPING PERMITS

PERMIT LENGTHS + NUMBERS



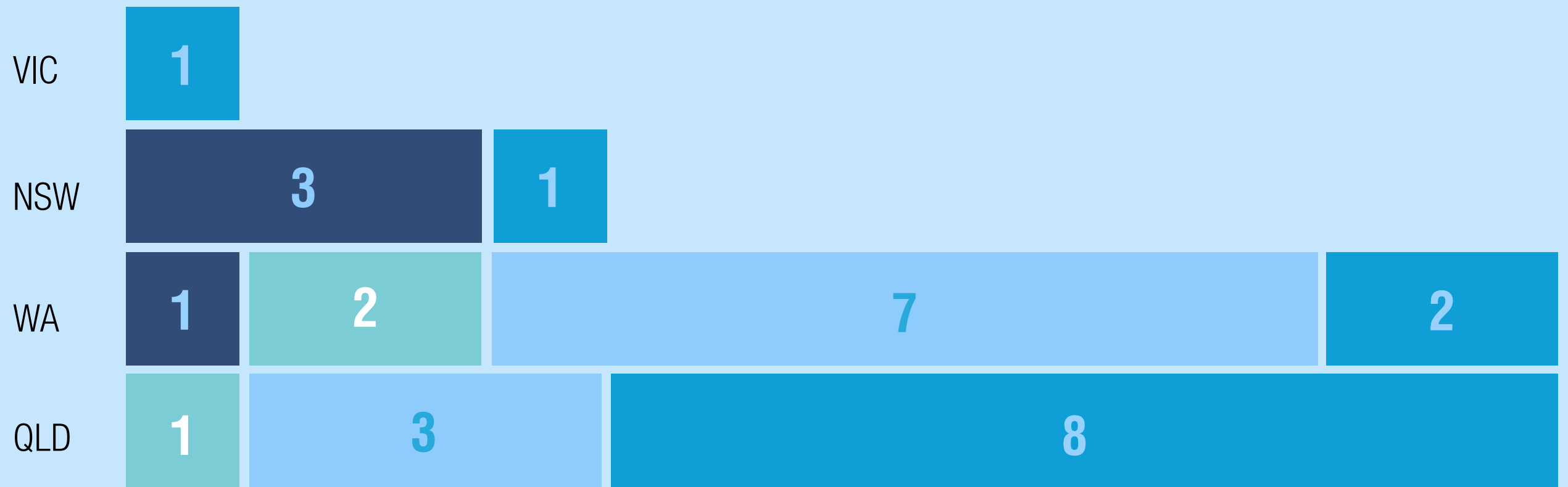
AUSTRALIA WIDE

As of January 2020

Swash Project Delivery

AUSTRALIAN DREDGING SEA DUMPING PERMITS

PERMIT LENGTHS + NUMBERS



- 0-2 YEARS
- >2-4 YEARS
- 5-9 YEARS
- 10 YEARS

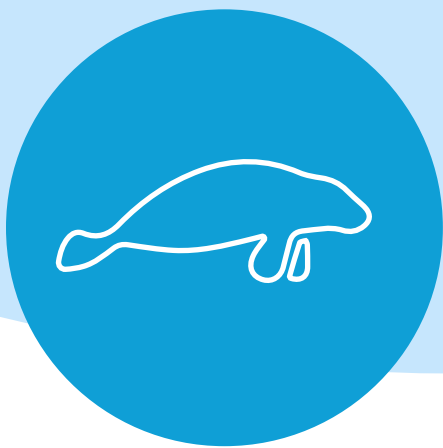
BY STATE

As of January 2020

Swash Project Delivery

MITIGATION MEASURES FOR PROTECTION OF MARINE SPECIES

Before beginning dredging and placement activities, the permittee must check, using binoculars from the vessel, for marine mammals and turtles within the monitoring zone.



DUGONG



SEAL



DOLPHIN



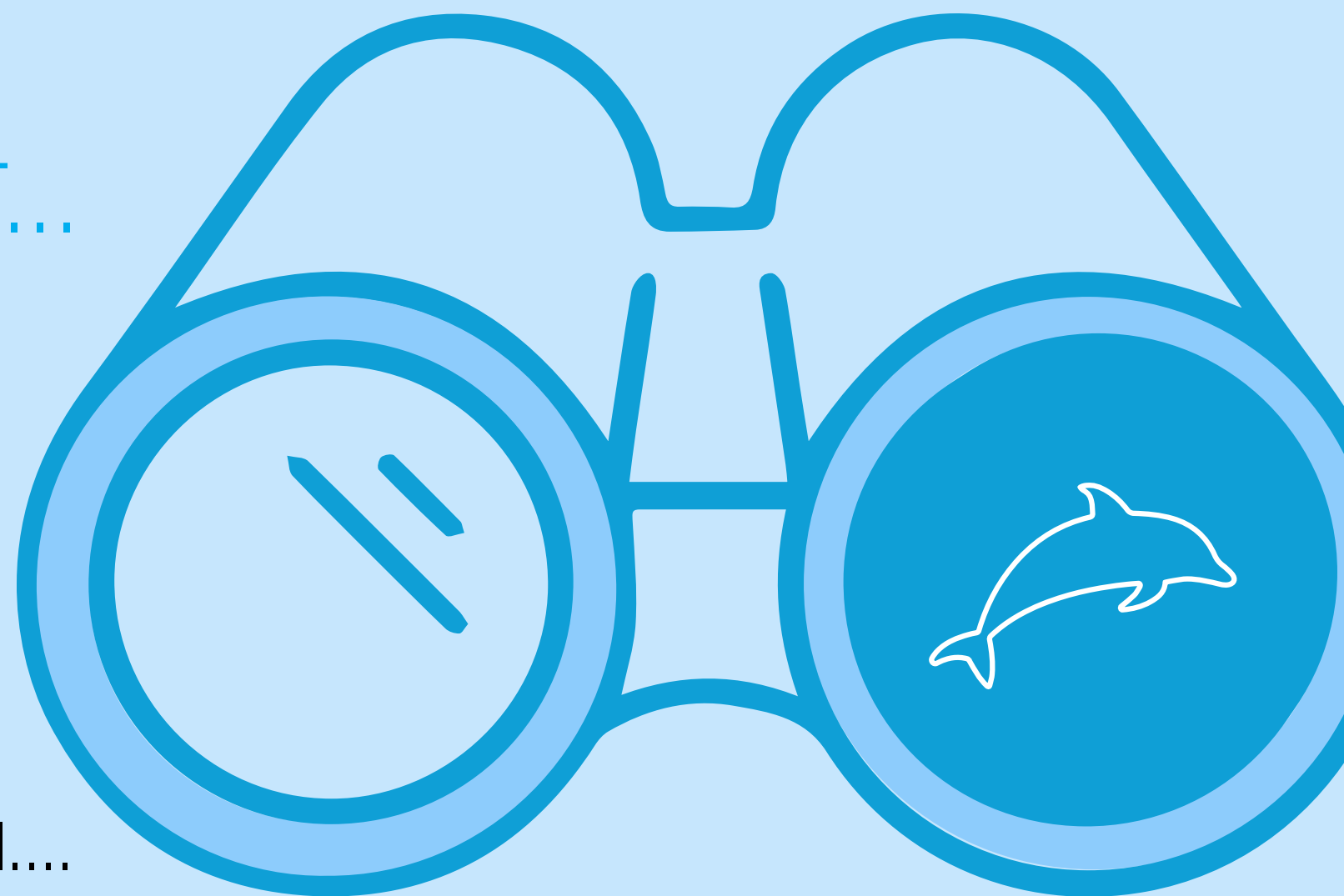
WHALE



TURTLE

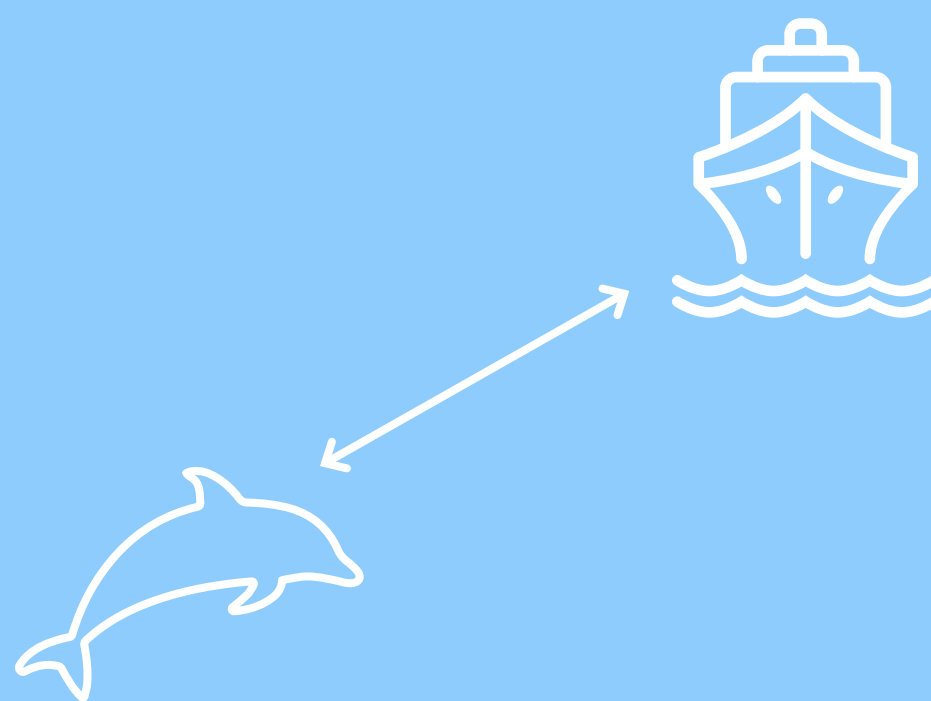
MITIGATION MEASURES FOR PROTECTION OF
MARINE SPECIES CONT...

If marine mammals or turtles are sighted in the monitoring zone, dredging and placement activities must not commence until the vessel....



WAITS 20 MINUTES
AFTER LAST SIGHTING IN MONITORING ZONE

OR

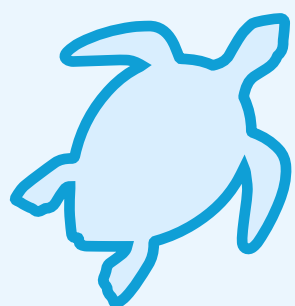


MOVES 300 METRES
MAINTAINING THIS MINIMUM DISTANCE

AUSTRALIAN DREDGING SEA DUMPING PERMITS - ENVIRONMENTAL CONSIDERATIONS OF THE 29 CURRENT PERMITS ...

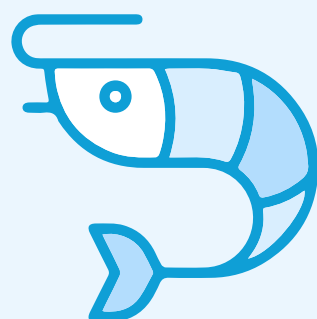
2

SPECIFY DREDGING EXCLUSION PERIODS DUE TO...



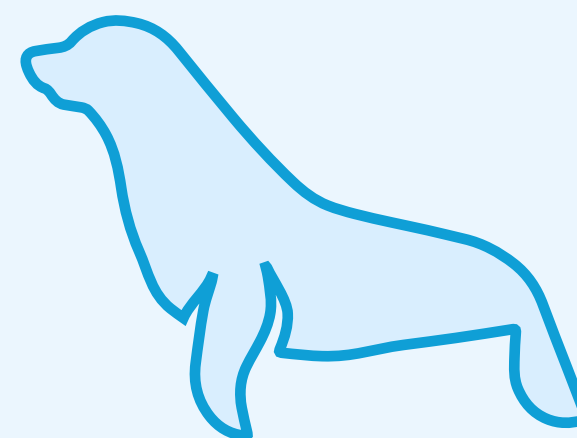
TURTLE
NESTING

PRAWN
MIGRATION



2

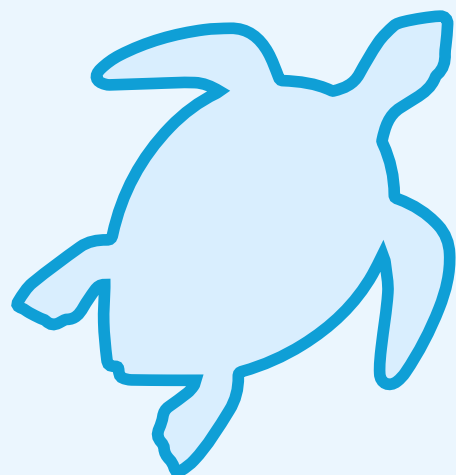
SPECIFICALLY REFER TO PROTECTION OF PINNIPEDS



SEALS, SEA LIONS + WALRUSES

2

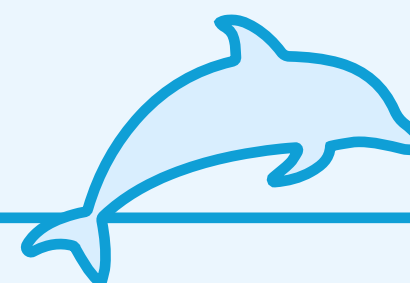
SPECIFICALLY CONDITION TURTLE EXCLUSION DEVICES AND OTHER DREDGE OPERATING MEASURES FOR THE PROTECTION OF TURTLES



17

REQUIRE A LOG OF MARINE SPECIES AND TURTLE SIGHTINGS TO BE RETAINED

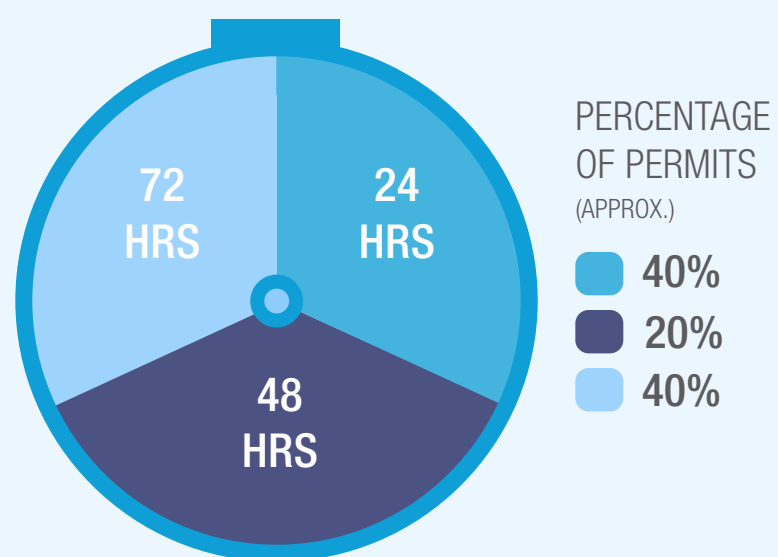
- Date _____
- Time _____
- Location _____



OF THE 29 CURRENT PERMITS CONT...

ALL

PERMITS REQUIRE ENVIRONMENTAL INCIDENTS AND RISKS TO BE REPORTED WITH 24-72 HOURS



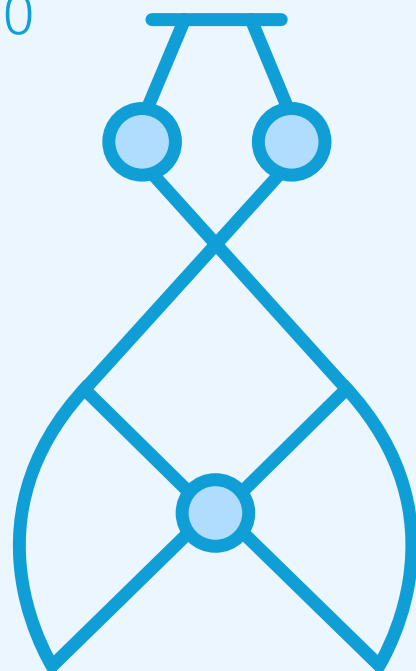
23

SPECIFICALLY STATE A MONITORING & MANAGEMENT PLAN IS REQUIRED AND PUBLISHED ON PERMITTEE'S WEBSITE WITHIN 30 DAYS OF PLAN APPROVAL



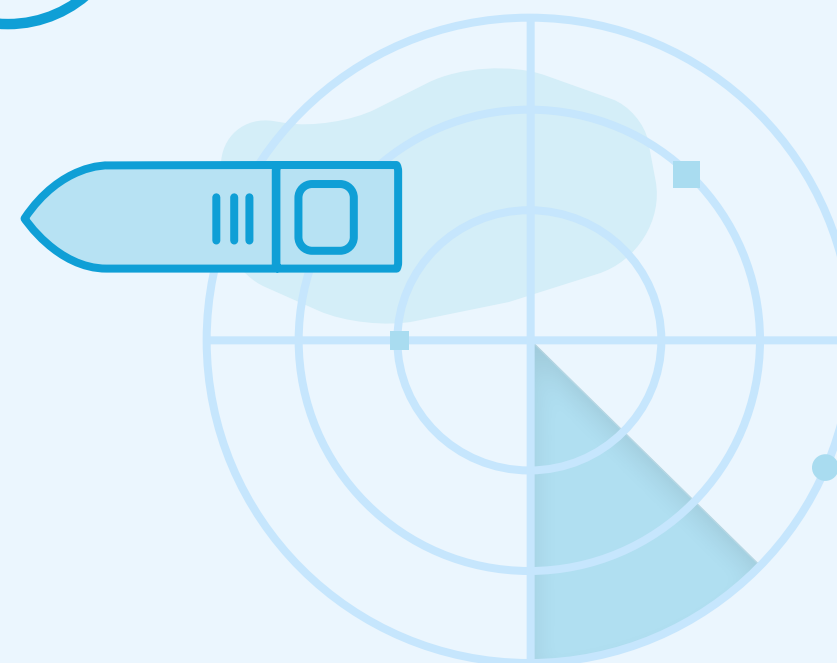
5

REQUIRE ADDITIONAL SEDIMENT SAMPLING AND ANALYSIS TO BE COMPLETED AS PART OF THE PERMIT CONDITIONS



2

REQUIRE VISUAL OR SATELLITE MONITORING OF PLACEMENT PLUME



AUSTRALIAN DREDGING SEA DUMPING PERMITS INTERNAL WATERS

THE SEA DUMPING ACT DOES NOT APPLY WHERE PLACEMENT OF DREDGED MATERIAL IS TO OCCUR ENTIRELY IN **INTERNAL WATERS**, WITHIN THE LIMITS OF A STATE OR THE NORTHERN TERRITORY. SUCH WATERS INCLUDE RIVERS, GULFS AND SOME BAYS.

