

SAND BYPASS + TRANSFER SYSTEMS

Queensland + New South Wales

NOOSA	30,000		
MAROOCHYDORE*	100,000		
MOOLOOLABA	20,000		
WOORIM BEACH	30,000		
GC SEAWAY	500,000		
GC WATERWAYS	150,000		
TALLEBUDGERA CREEK	38,000		
CURRUMBIN CREEK	50,000		
TWEED RIVER	500,000		
JIMMYS BEACH	30,000		
SWANSEA CHANNEL	10,000		
SYDNEY (NARRABEEN-COLLAROY) ¹	45,000		

South Australia

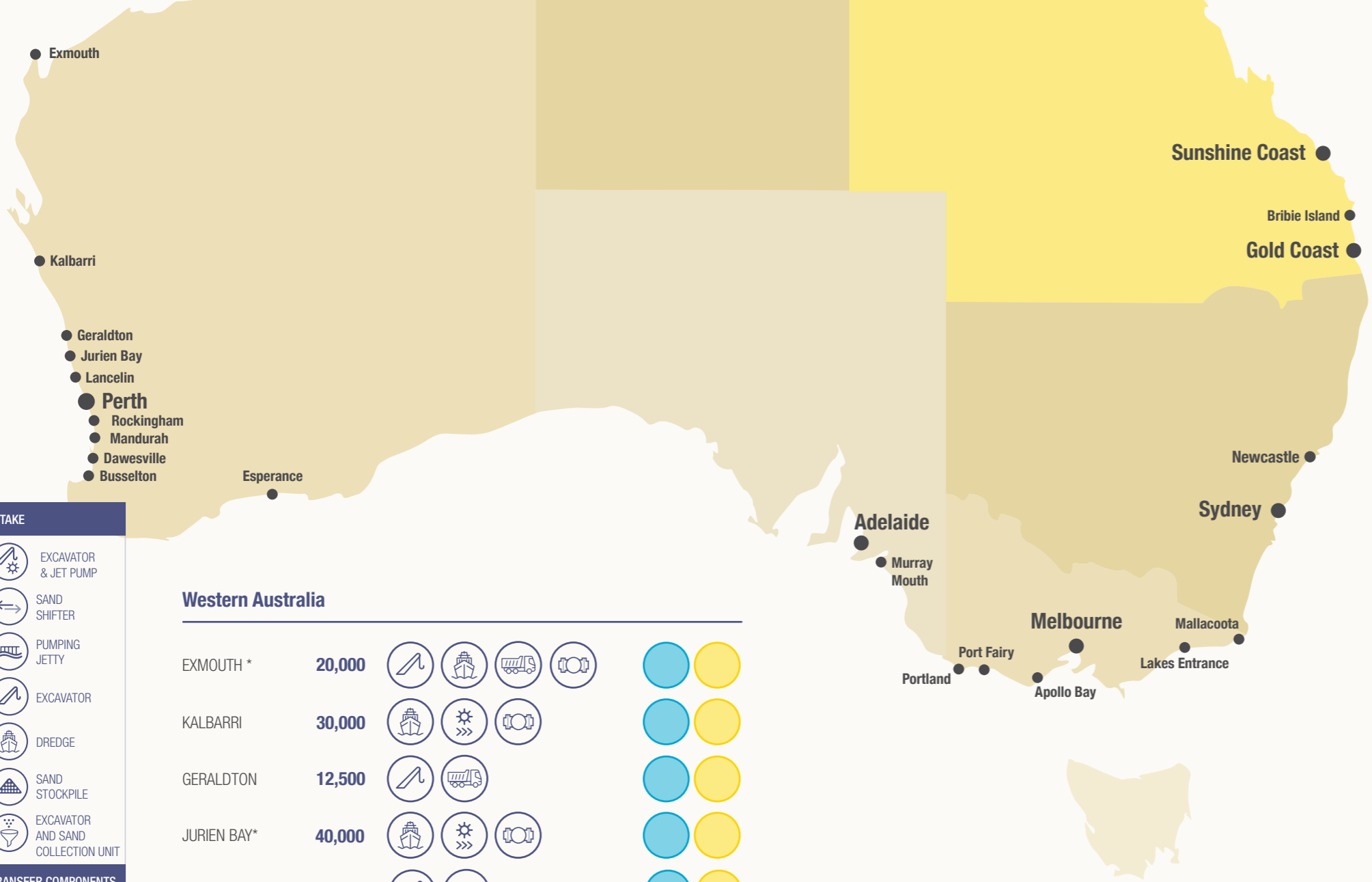
MURRAY MOUTH	1,000,000		
SEMAPHORE - WEST BEACH	100,000		
GLENELG - KINGSTON PARK	100,000		

Criteria

1. MATERIAL IS SAND
2. >10,000m³ IS RELOCATED ON AN ANNUAL OR FREQUENT BASIS (NOT AD-HOC)
3. SAND IS PLACED ON SHORE OR IN SURF ZONE FOR BEACH NOURISHMENT

Victoria

MALLACOOTA (BASTION POINT)	10,000		
LAKES ENTRANCE - INNER CHANNELS	150,000		
LAKES ENTRANCE - BAR ²	200,000		
MELBOURNE (PORT PHILLIP BAY)			
- QUEENSLIFF	88,000		
- PATTERSON RIVER	55,000		
- OTHER (x9)	32,000		
MARENGO AND APOLLO BAY	16,000		



Western Australia

EXMOUTH*	20,000		
KALBARRI	30,000		
GERALDTON	12,500		
JURIEN BAY*	40,000		
LANCELIN*	10,000		
PERTH Ocean Reef	10,000		
PERTH* Hillarys	10,000		
PERTH* Port Coogee	15,000		
ROCKINGHAM*	15,000		
MANDURAH	100,000		
DAWESVILLE	120,000		
BUSSETON** Port Geographe	60,000		
BUSSETON	20,000		
ESPERANCE* Bandy Creek	60,000		

INTAKE

- EXCAVATOR & JET PUMP
- SAND SHIFTER
- PUMPING JETTY
- EXCAVATOR
- DREDGE
- SAND STOCKPILE
- EXCAVATOR AND SAND COLLECTION UNIT

TRANSFER COMPONENTS

- PUMP STATION
- PIPELINE
- BOOSTER PUMP
- TRUCK
- UNDER CHANNEL PIPELINE

OBJECTIVE

- BEACH NOURISHMENT
- COASTAL/ASSET PROTECTION
- BOATING ACCESS
- FLOOD MITIGATION
- ENVIRONMENTAL

Sand volume = m³ / yr

* Bi-annual or tri-annual frequency
** Includes sea wrack

1. Last done in 2018 and 2016 but typically every four years
2. Sand is placed just behind surf zone 2km either side of entrance to nourish adjacent beaches

