



**Water Bags Australia**

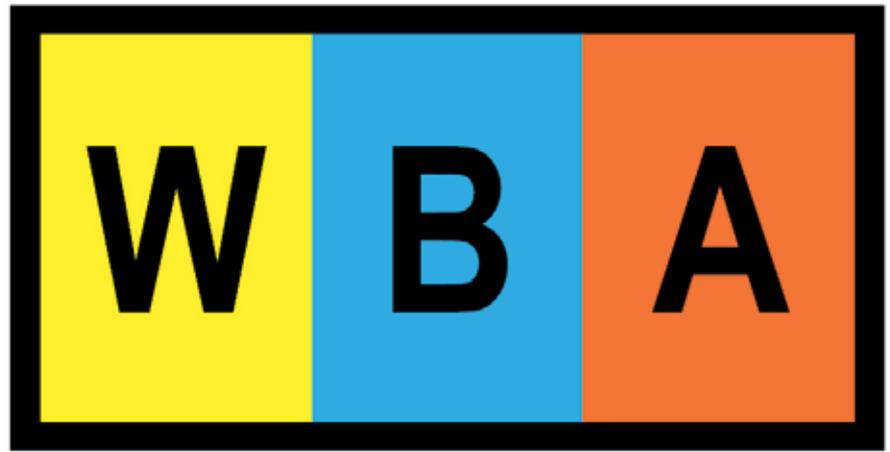


Ensuring Quality  
Products  
for your Safety

# Servicing Australia & South Pacific Region



[www.waterbagsaustralia.com.au](http://www.waterbagsaustralia.com.au)



# Water Bags Australia



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## Who we are

**Water Bags Australia is the leading Supplier of flexible products made from PVC and TPU coated fabrics in Australia and the South Pacific Region.**

Water Bags Australia is a unique professional Supplier of underwater air lifting bags and buoyancy bags. Our lifting bags are used for marine salvage, buoyancy support and pipeline laying. All our air lift bags are fully compliant with IMCA-D-016.

Water Bags Australias water filled weight bags are manufactured and tested to comply with the requirements of LEEA 051. Our manufacturers are equipped with the most modern production machinery, which uses the market-leading material and advanced production technology to manufacture high quality products.

Our manufacturer engineers and consultants have been in fabrication and have used these products with experience for more than 30 years in this industry.

Water Bags Australia has clients in Diving, Marine Rescue and Salvage, Energy and Oil, Offshore and Shipping and other industries all over Australia and the South Pacific.





### Strategies

Water Bags Australia always makes innovation as the motivity of development, to pursue perfect as the principle of our action. Innovation is a key driver for our growth. Our strategies are based on it to provide the best possible solution for our customers.

### Performance

To perform better than our competitors. For each type of product and each application area, our engineers have made the most reasonable, configured and functionally design based on the abundant practical experience. From the material choice to the equipment of each webbing harness, air valves, pressure relief valves, we have considered almost all conditions. Herewith, our products can provide the most convenient and effective use with the lowest cost.

### Responsibility

Quality is the key of our development and responsibility is the base of our quality. Excellent quality will ensure that we supply our customers with the safest option every time. Each product is the performance of our responsibility, for each and every customer.

# Water Load Bags

**Water Bags Australia aims to be the best partner for all load testing with advanced production technology and our focus on Health and Safety for all of our Customers.**

**Our Water weight bags meet the need for the simple, economical, convenient, safe and efficient load testing method instead of traditional solid state test weights.**

**Water load bags can be used for the proof load testing of Cranes, Davits, Bridges, Beams, Derricks, and other lifting equipment and structures throughout the Mining, Maritime, Oil & Gas, Power Generation, Military, Heavy & Light Construction, Engineering and Manufacturing industries.**

**Water load bags used to carry out a deck crane test.**



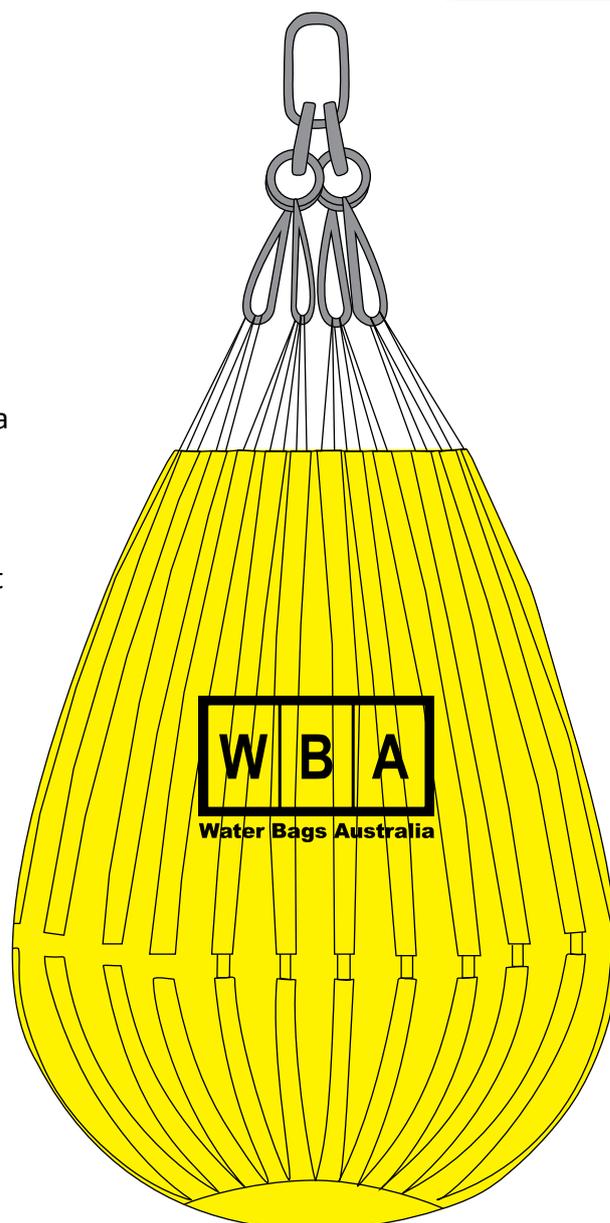
## Assembly and Structure

The water bag is designed so that the lifting set is separate from the bag.

The lifting set comprises of several elements which share the load. The number and disposition of the webbing elements is in such a way that the failure of any one webbing element will not cause a failure of the lifting set nor cause a local overload of the bag.

The material and construction of the bag is such that in the event of accidental rupture, it will resist propagation of the tear so as to minimise the rate at which water is discharged.

**The Water Load Bag's body is made from 100% high-tenacity UV resistance PVC coated polyester fabric. Using the latest technology in HF Welding.**

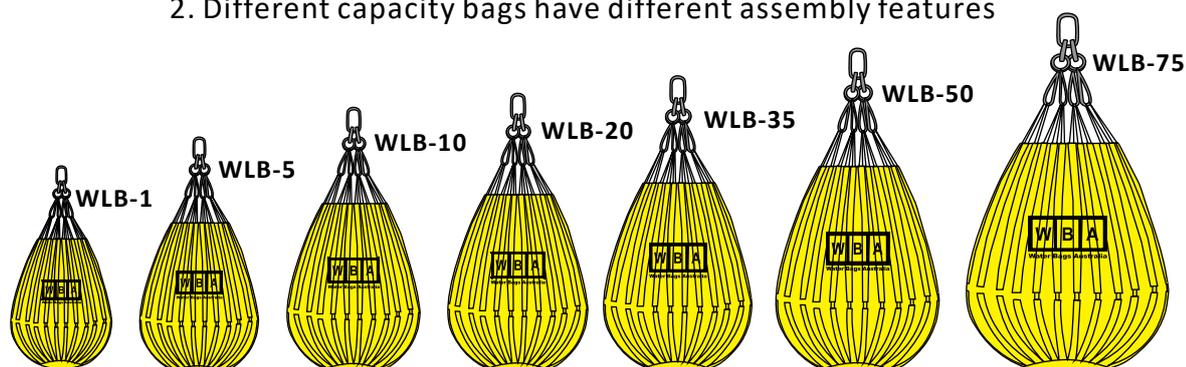


Every Water Load Bag comes ready with following accessories-

- Master link and shackles, with a minimum 6:1 safety factor SWL
- Polyester webbing lifting straps, round slings, with a min 6:1 SWL
- Filling and drain hose with valves and camlocks
- Several handles welded around the water bag body
- Marine rope with pulleys

Note:

1. Load Cell and Shackles can be supplied upon request.
2. Different capacity bags have different assembly features



## Features and Advantages

- **Ease Of Operation**

Easy to handle and safe to operate, comes complete with all accessories for rapid fill/drain. All fill/ drain equipment is fitted with quick connect camlock fittings.

- **High Quality**

Manufactured from heavy duty PVC coated polyester fabric. All products are High Frequency Welded, increasing the quality and strength of our product versus the competition.

- **Drop Tested 6:1 SWL**

Every type and size of water bag must undergo stringent testing prior to shipping. The water load bags are capable of withstanding a load of at least 6 times the safe working load limit.

All Water Load Bags are tested and passed prior to shipment.

**Water load bags in operation.**



### Features and Advantages

- Made from heavy duty UV resistant PVC coated fabrics
- Heavy duty webbing harness
- Easy to handle and operate
- Complete with all accessories, valves, quick couplings
- 6:1 safety factor verified (Drop Test)
- Multiple size and combinations available
- Light weight, increase savings on freight costs
- Transport with ease
- Cost effective, cheaper to use than traditional solid state weights



# Specification

A wide range of sizes of load testing water bags is available. The main sizes of water weight bags is from 1 tonne to 75 tonne. Many water bags can be used together to load testing over 75 tonne with the different combinations.

MODEL	CAPACITY	DIAMETER	HEIGHT
WLB-01	1,000kg	1.3m	2.2m
WLB-02	2,000kg	1.6m	3.0m
WLB-03	3,000kg	2.0m	3.6m
WLB-05	5,000kg	2.2m	3.8m
WLB-10	10,000kg	2.8m	4.8m
WLB12.5	12,500kg	3.0m	5.2m
WLB-15	15,000kg	3.2m	5.4m
WLB-20	20,000kg	3.5m	6.2m
WLB-25	25,000kg	3.6m	6.4m
WLB-30	30,000kg	4.0m	7.0m
WLB-35	35,000kg	4.2m	7.3m
WLB-50	50,000kg	4.6m	7.8m
WLB-75	75,000kg	5.3m	8.7m



Various tests carried out with our equipment

# Low Headroom Water Load

Low headroom load testing water bags designed for the load testing of lifting equipment, attachments and structures when testing operation have a restricted or low headroom, such as Gantry Cranes in a factory. It also can be used as an fluid storage container for emergency use.

Low headroom water load bags have the same assembly as the normal size water load bags. Its body is made from 100% high-tencile UV resistant PVC coated polyester fabric,constructed using high frequency radio welding technology.

Master link and shackles, polyester webbing lifting straps, round slings are all tested with a minimum SafeWorking Load factor of 6:1.

MODEL	CAPACITY	DIAMETER	HEIGHT
WLB-03L	3,000kg	2.1m	2.2m
WLB-05L	5,000kg	2.7m	2.8m
WLB-12L	12,000kg	3.0m	4.2m

Note: The main capacity is from 1 tonne to 12.5 tonne. Other size low headroom water bags are available on request



# Load Cells

Wireless load cell used for the weight measuring of proof load testing using water  
 We have a wide range of Tension Load Cells available for hire, our Load Cells are “Class A” ranging from 1 Tonne through to 250 Tonne.  
 Our Load Cells are thoroughly tested. All certifications and operating instructions are supplied with the hire and are available on request.



A Load cell is a necessary instrument for the load testing of water filled weight bags. Measuring capacity is available as 5t, 10t, 20t, 30t, 50t, 100t, and 200t.

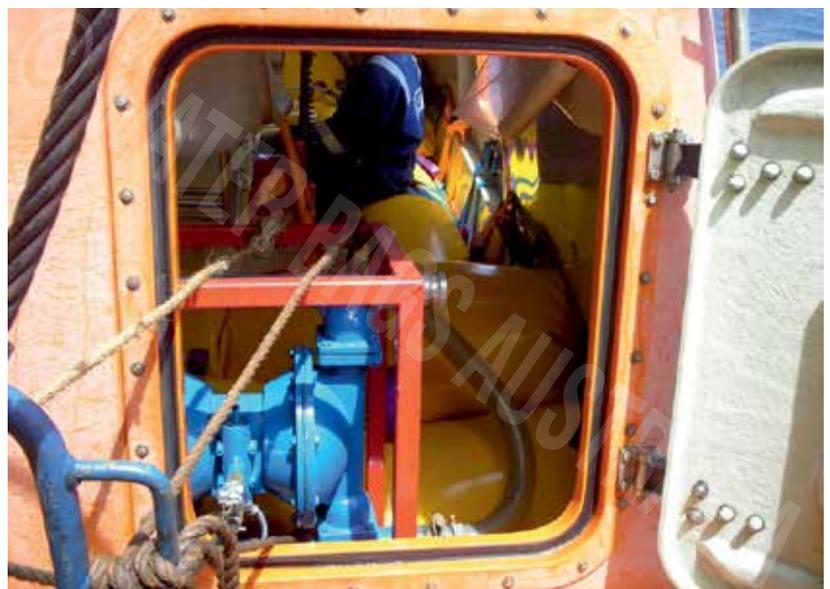
CAPACITY	WEIGHT	A(mm)	B(mm)	C(mm)	D(mm)
TLC-5T	2.7kg	285	123	57	210
TLC-10T	10.4kg	320	120	57	230
TLC-20T	15kg	370	125	57	250



# Lifeboat Test Kit/Bags

Because of the lifeboat test water bags economy, convenience and high efficiency advantages, this system is widely used for the distributed proof load testing for the lifeboat, and other equipment's that need distributed load testing.

Lifeboat test water bags can be used for the proof load testing for various lifeboat, rescue boat, crew bastes, gangways, small bridges and so on



16 x LBT-375kg lifeboat test water bags used in an enclosed lifeboat

# Features and Advantages

- **Increase your confidence**

Made of heavy duty PVC coated polyester fabric. All RF welded seams are high instrength and integrity.

- **Easy to use**

Easy to handle and operate , complete with all accessories to fill/drain and connect quickly.

- **Worry free**

Automatic relief valve activated once the water bags achieve the designed weight.

- **Safe to operate**

Remote control system with manifold and filling/dischage hoses, connecting with a diaphragm pump.

## Other Features

- Fold to a compact size for easy carrying and storage
- Light weight for easy use
- Multiple weight and size combinations
- Strong strops for handling to ensure an evenly spread load

The technicians are using the water bags system to test a gangway. Connecting the manifold with the filling hose.



## Specification

The common model and size is 375kg. The single man bag is available too.

We also can supply any other size, diameter and length combination to meet your special requirements.

The standard color is yellow.

MODEL	CAPACITY	DIAMETER	LENGTH
LBT-100	100kg	460mm	800mm
LBT-250	250kg	460mm	1500mm
LBT-375	375kg	510mm	2200mm
LBT-400	400kg	510mm	2400mm
LBT-600	600kg	510mm	2600mm



## Lifeboat Water Bags Test System

The test system comprises complete kits used for 6 units or multiple water bags combinations enable unlimited test weight.

Adhering to the consistent top-quality design and safety principles, the technicians can control the filling and discharge manifold remotely. By the air driven diaphragm pump. The water also can be discharged out easily. Quick connect couplings increase the ease of operation. All these design features increase safety and eliminate down time.

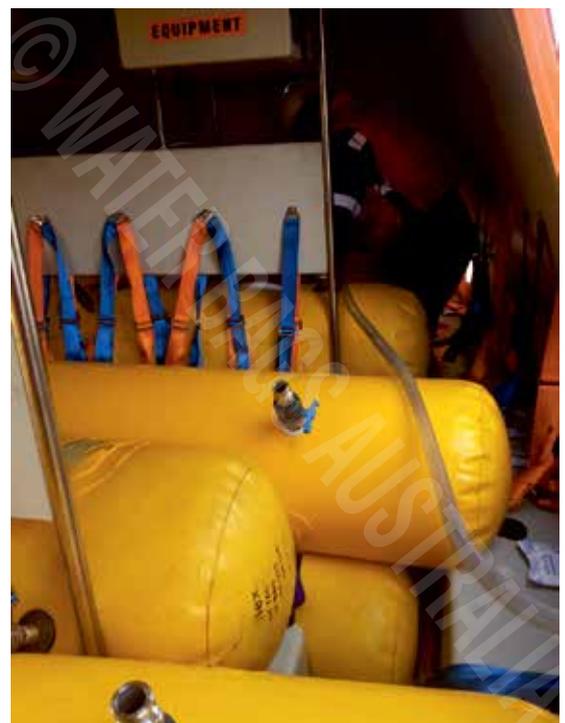


### The Standard Accessories (8 x LBT)

- 1 x 8 port manifold
- 8 x 3/4" PVC ball valves with camlocks
- 1 x calibrated water meter with camlock
- 1 x brass ball valve and gate valve and plugs
- 8 x 3/4" filling/discharge hoses with camlocks
- 8 x 3/4" (water bags) PVC ball valves with camlocks
- 1 x D50 fill/discharge fire hose with camlocks
- 1 x Diaphragm pump with camlocks
- 1 x D50 suction hose with camlocks at both ends



**LBT-375 lifeboat water bags working inside the totally enclosed lifeboat**





# Gangway Test Bags

This type water bag is used for the load testing of gangways, accommodation ladders and other long structures.

We can also supply to your special request.



MODEL	CAPACITY	DIAMETER	LENGTH
GW6000	1800kg	620mm	6000mm
GW3000	900kg	620mm	3000mm



**Gangway test bag**

# Platform Test Bags

This type water bag is used for the load testing of bridges, platforms, walkways, floors and slabs or other structures in many industries.

We can also adjust the size upon your special request.

MODEL	CAPACITY	LENGTH	HEIGHT	WIDTH	EMPTY WEIGHT
PTB-03	3,000kg	4,000mm	380mm	2,000mm	22kg
PTB-10	10,000kg	7,000mm	480mm	3,000mm	52kg
PTB-20	20,000kg	9,000mm	560mm	4,000mm	80kg
PTB-30	30,000kg	13,000mm	580mm	4,000mm	120kg
PTB-50	50,000kg	12,000mm	700mm	6,000mm	150kg
PTB-100	100,000kg	12,000mm	1,000mm	10,000mm	300kg



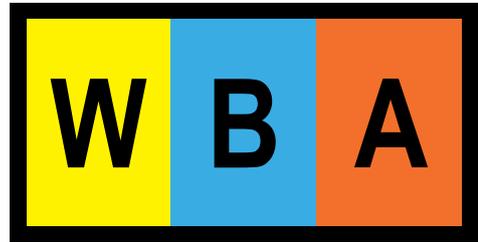
Each water bag has the inlet port, discharge port, and air release valve.



Platform test bag testing flight deck fall protection net.



# Our other products



**Parachute Lifting Bags**



**Totally Enclosed Lifting Bags**



**Pipeline Buoyancy Bags**



**Cable Buoyancy Bags (Twin Type)**



### Pillow Type Lifting Bags



### Air Seal Plug



### Inflatable Fenders (Type)



### Offshore Buoys & Fenders



## We offer a one stop solution

- Sale and Rental of DNV 2.7-1 Cargo Carrying Units and A60 engineering cabins
- Aviation Products & Services
  - Helifuel & Helideck Audit Inspections
  - Refueller Operator Training
  - Helifuel Dispensing Systems
- Chemical Storage, Handling & Transportation
- Pumping and filtration services
- Specialist fabrication & engineering services
- Rigging; manufacture, testing & inspection

OEG Offshore Pty Ltd supply a diverse range of flexible and high quality DNV 2.7-1 transportable offshore chemical and heli-tanks, containers, baskets, A60 cabins, workshops and refrigerated units across Australasia.

From chemical packaged solutions and inspection services compliant to UK CAA CAP 437 and the rental of systems, we provide integrated solutions to the oil and gas industry, with safety always a top priority.

Customer's critical operations are supported by our team of NATA approved inspectors and highly skilled technicians from a network of 5 bases spanning Western Australia, Victoria and the Northern Territory.

## Tanks



2,000ltr Tank



Heli Fuel Tank



Chemical Tanks  
1,100ltr to 4,950ltr



Heli Fuel Tank



Chemical Bulk Storage  
& Blending



Transport & Logistics



Stainless Steel "Super"  
IBC in 300, 350  
& 400G ai capacity

## Aviation services



Heli Deck Audits



Heli Fuel Audits



Heli Fuel Audits

## Cargo carrying units



Mud Cuttings Skips



Small Cargo Baskets



Waste Skips



Open Top Conainers



Half Height Conainers



Extra Long Cargo Baskets



Long Cargo Baskets

## A60 explosion proof zone 2



A60 zone rated Cabins



A60 zone rated Cabins - Inside



zone rated Workshop - Inside

## Filtration Pumps



Chemical Injection Pumps



Filtrations Units



NAS Class Filtration



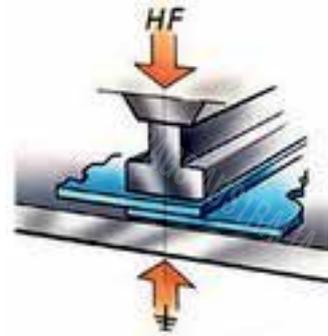
OEG Offshore Pty Ltd is accredited for compliance with ISO/IEC 17025 – Testing at our Barry Beach facility and accredited for compliance with ISO/IEC 17020 as a Type C inspection body.

# Manufacturing

**All our products are designed and manufactured to comply with international standard (IMCA D-016, LEEA 051).**

All our lifting bags and water bags are constructed from high tensile PVC/TPU coated fabric. Our best coated fabric, which is made by 3/3 fibre panama pattern weave, it can reach 1 ton breaking load.

Our products are manufactured by High Radio Frequency welding technology. Ensuring each seam has higher tensile strength than the material.



**The commitment to quality is our top priority. DooFlex aim at a high and constant level of quality. The quality assurance systems of DooFlex have been approved by international organization in accordance with Quality Management System ISO 9001 : 2008.**

DooFlex products are designed, manufactured and tested fully compliant with the international industry stand. Meet the safety factor 6:1 or 5:1 required by IMCA or LEEA standard. For specific request, we also can provide the third party certificate, such as CCS, LR, ABS, DNV, or BV.

In order to ensure the quality of key elements, all accessories, such as heavy duty webbing straps, shackles and masterlinks, and air fill connection and valves, are also bought from the company certificated comply with ISO 9001, conforming to related industry standard.



## IMCA D-016

It is the international industrial standard for the air lift bags and buoyancy bags. All DooFlex air bags are tested to meet this standard, to meet or exceed the requirement for the safety factor 5:1.

DooFlex air lift bags are assembled comply with this standard, including the safe valves, inverter lines, and other fittings.

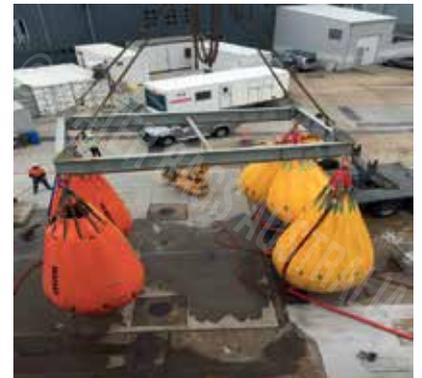
## LEEA 051

LEEA 051 is seen as the international industry standard of water bag. It exceeds the requirements for the elements of lifting set, which is separate from the bag, drop test way and pressure test way to verify the water bags.

DooFlex water bags meet and exceed the requirements of this standard.



## Ensuring Quality Products for your Safety



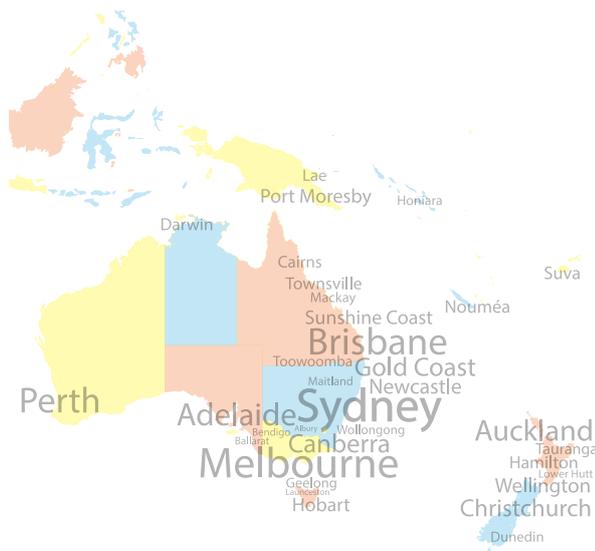
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