

Lake Grace Available Sources

Update for Farmers

16/04/2019 follow site survey conducted during week of the 18th of April
2019

Dunn Rock

Location – South Newdegate

2 dams – Taylor road opposite CBH facilities

Dam with Standpipe low levels but dam west of CBH 25% of capacity
~10,250KL available.

Pump repairs – electrics being checked and access to 2nd dam below complete..
While facilities are operating supply is diminishing (2nd below).



Option to access Magenta Dam, Pallerup Standpipe, Mt Madden Bore/Dam

South East Newdegate (Cuffy's)

Location- Pingrup Road

2 dams

Current capacity: dry



Magenta North

Location - Ardler Road

2 dams (one silt trap dam)

~15,000 KL capacity

Current capacity <25% capacity =~3000 KL available



South East Newdegate

Location – Magenta Road

2 dams (one silt trap dam)

15,000 KL capacity

Current capacity <10% 1500 KL available



East Newdegate (Machetti' s Tank)

Location – Haigh Road East Newdegate Swipe card controller in place.

Tank off rock catchment

4550 KL capacity

Current capacity ~45% 2134KL available

16/04/2019 analysis of swipe card use since site visit ~ still at 45% (2134 KL)



Lake King tank and standpipe

Tank Location – Lake King near museum Swipe card system in place.

Source – old drinking supply dam

Pump in place and tank full. Pressure switch to be installed. Water in main dam is near full and will be used to top up Community Dam.

Status –available.

16/04/2019 analysis of swipe card use since site visit – no record of use

Maximum Capacity with adjacent old drinking water supply dam 20,000KL

100% available



Old drinking dam will top up Community dam above

Kukerin Town dam

Location - 25km from Tarin Rock in town of Kukerin

Large dam – 36,000KL capacity

Not assessed but reliable ~36,000 KL (**North Lake Grace farmers encouraged to access this supply**).

Note: To better prepare for next summer/dry season, the Department of Water and Environmental Regulations are seeking quotes and approval to upgrade 13 mile dam and Tommy's dam.

Newdegate town dam

Location – Newdegate

Water Corporation made available a temporary emergency farm water supply. Located in the town site.



Lake Grace town dam 30,000KL

Water Corporation are working with Shire to make this available as an emergency farm water supply. Location being renegotiated. Available ~2 weeks.

Current capacity 50% 15,00 KL available

Pallarup Tanks and Standpipe

Off Rock catchment

1200KL tank maximum capacity – available at standpipe located off Lake King Ravensthorpe road – standpipe is blue neat information board (signposted).

Current capacity unknown.



Mount Madden Bore

The Department of Water and Environmental Regulations has contracted a driller to equip a bore at Mount Madden in Lake Grace near the Mount Madden Dam. The Bore is call MM3 and is suitable for livestock (pictured below).



BORE DETAILS – 100 MM PN9 PVC CASING- BORE IS 28.3 METRES DEEP – STANDING WATER LEVEL 10.5.

The Bore is located on Muncaster Road in the Shire of Lake Grace and is available for farmers to access. The Bore is equipped with piping and pump. The flow rate is 1 Litre per second. Farmers will need to **take their own generators to operate** the bore. Details are below. Note MM6 bore is capped and not available as it is too salty (~1454mS/m).

Name	Mt Madden Bore's
Location no /address	Roe Loc 2740 – Muncaster Road
Associated reserve	20110
Northing	6317800N (MM3) & 6317028N (MM6)
Easting	765478E (MM3) & 765103E (MM6)
Bore capacity	(MM3) 80kL/day & (MM6) 83kL/day
Structure type	Capped bores
Catchment type	Rock catchment
Catchment area (ha)	981ha (reserve area)
Standpipe (Y/N)	No
Turnaround area	Yes
Heavy vehicle access	Yes
Tank storage	Yes during and emergency only
Pump	No – will be equipped as required
Mean annual rainfall	300 mm
Water quality	Livestock

Mount Madden Dam

Location: South of Lake King Muncaster Road

Maximum capacity 16,000 KL

Currently capacity 62% 10,000 KL available Swipe card system in place.

Purtna Rock –Tanks

Location – Purtna road

2270 KL capacity

Current capacity 30% 681 KL available

Standpipe facilities.

Note: Water Corporation will top up tanks as required (please contact Tracy Calvert if this is required)



Dingo Rock

Location: North of Lake Grace town Duckworth Road

Maximum capacity 45,500 KL

Current capacity 10% 4550 KL available

16/04/2019 analysis of swipe card use since site visit (66.7KL accessed)~3000KL available.



Varley Dam

Location – Hyden Lake King Road (Varley)

28,000 KL capacity

Current capacity <20% 6000 KL available – catchment CBH hardstand

Standpipe and tank facilities



Lake Biddy Reserve 19649 Witham Road aa Dam

~15,00KL maximum capacity

Current capacity – to be assessed.



13 Mile Dam

105 Newdegate Road/14 Mile

~20,000 KL maximum capacity

Current capacity 25% 2500 KL available.

Contractor report April 9th – still adequate supply for livestock.



A full assessment of supplies will soon be carried out and reported.

Any queries please contact

Tracy Calvert

tracy.calvert@dwer.wa.gov.au

Manager, Rural Water Planning

Albany 98410122 , Mobile 0428 180 240

