



# COUNCIL PROGRESS REPORT

Woorabinda Aboriginal Shire Council (Internal)

TOPIC  
TITLE:

Critical Water Planning – Situational Analysis

DATE: 24 January 2024

## Topic Overview:

Water Supply Network and Infrastructure maintenance and repairs.

1. Reservoir Liner to cease the loss of water.
2. Water Supply Blackboy
3. Critical Water Planning

## Progress:

1. Reservoir Liner: This project has now been completed. To date the Liner is stable.
2. Water Supply Blackboy: Bore 2 has been providing water to Blackboy through a manual process.
3. Critical Water Plan:- Additional information to be provided to the Final Draft.

## Plans:

1. Reservoir Liner:- Ongoing monitoring
2. Water Supply Blackboy:- The pump to fill the tank at Blackboy has been a manual switch. It is planned to establish an automatic switch system to improve the waterflow.
3. Critical Water Plan:- To finalise the plan and submit to Department of State Development, Building our Regions

## Problems:

- Water supply to Blackboy continues to be inconsistent. This should be resolved through automating the flow rather than draining what is available from the Bore.
- Pump for Bore 3 pump will need to be released as we have exhausted other possible solutions.

## **Key Information:** *(Other related documents to source information)*

Critical Water Planning:- Question and Answers to complete the Plan

### **Q1. We noted in the report that 9 L/s inflow and 12 L/s outflow reservoir had been observed, Did this reflect a hot day?**

The Pumps at Baralaba pumps 13l/s to 15l/s. WTP controlled max rate at the raw water tank is 15l/s. the operators prefer to set at 10 to 12l/s so that the Ultrion chemical we use works more effectively without performing jar test regularly. Outflow on a in summer varies between 10l/s to 20l/s. in winter between 5l/s to 12l/s.

### **Q2. Do you have additional SCADA data on inflow and outflows pre reservoir leakage?**

Not recorded, WASC need accurate flow meters in order to record daily flows, starting from the water source (Dawson River or Bores) - to the Raw water tank (pre treatment process) and Filtered Water tank (Bores) Then (post treatment) before treated water is pumped to the reservoir. Then reservoir to community.

### **Q3. Does WASC has a Level of Service as part of LG Act requirements?**

I understand there are other water demands outside of the town itself (e.g. a Pastoral company ). Do you have any details on this? Cattle troughs situated on gravity fed bore pipeline, and tanks at Hughie yard. Not metered.

### **Q4. WASC water allocation of 250 ML at the Baralaba Pump Station. Could you confirm this is correct? Correct.**

#### Other Information

- There were only 3 bores pumping to Header tank, not 4.
- Bore water is pH corrected.
- DLC is 150mm from pump station to Header tank, then 200mm from Header tank to the WTP.
- We have had 1 pump issue in September 2023 after pumps were installed in March 2022. Not repeated. WASC believe that the pump fault was caused by Austek not installing Screened cable or Harmonic filters when VSD's were installed in August 2023.
- Bore holes – Bores 1,3,4 were the main bores that sourced water. Bore 2 has only enough water to feed Blackboy station.

## **Conclusion:**

The cost to replace pumps will be a costly exercise. The Town Service Manager is the process to obtain a estimation on the cost and identify a supplier to undertake works. It is a speciality area and contact has been made with the Contractor the initially installed the pumps.

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