



Lake Baroon Catchment Care Group AI, RCI & ESC Report, February 2024

Overflow Pipe

Falls Creek



- Riparian fencing, off stream watering, crossings and revegetation
- Project links across properties

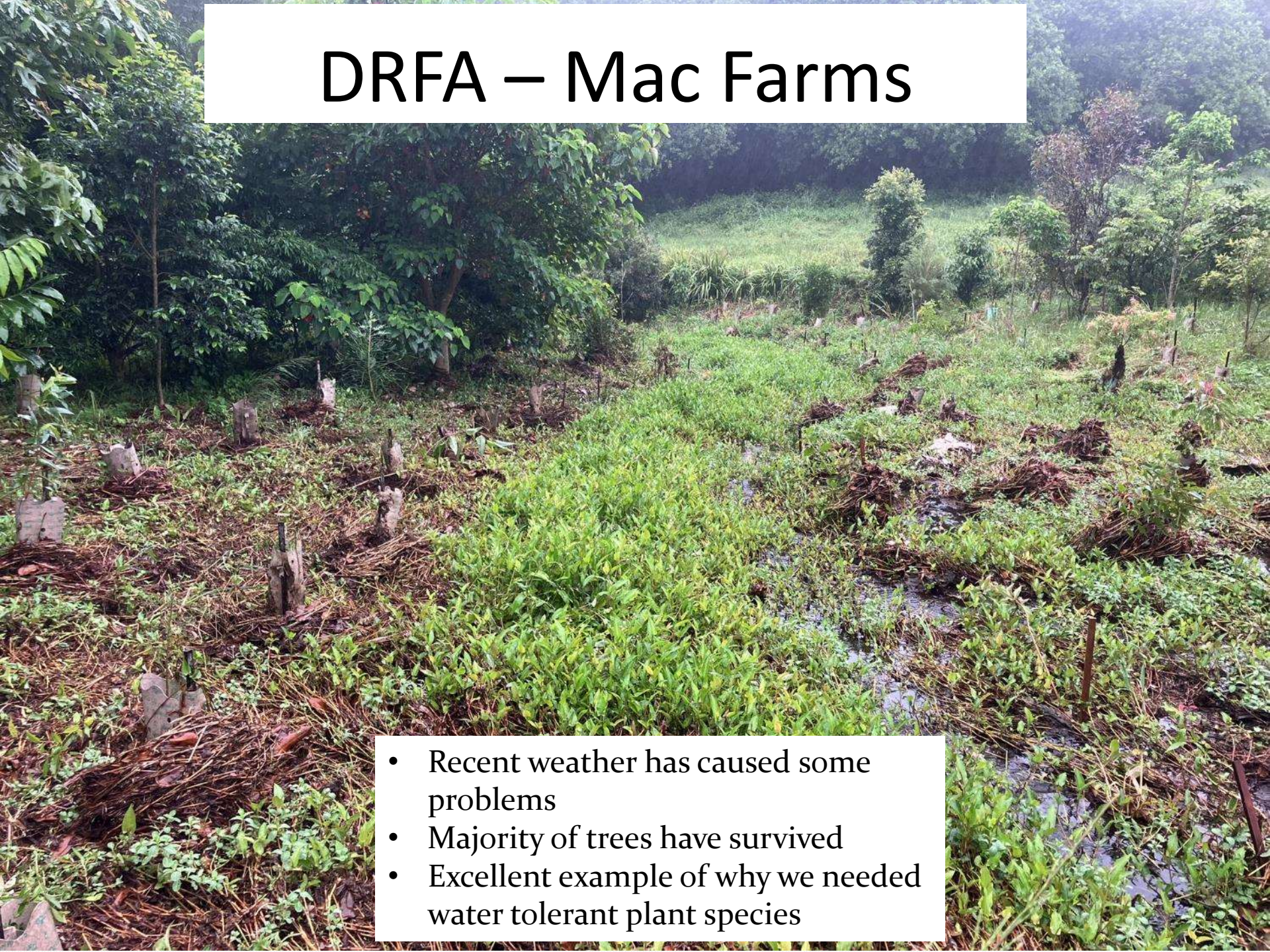
- Landholder slashing the fencing line
- Excellent landholder contribution in kind labour and financial support
- LEG funding



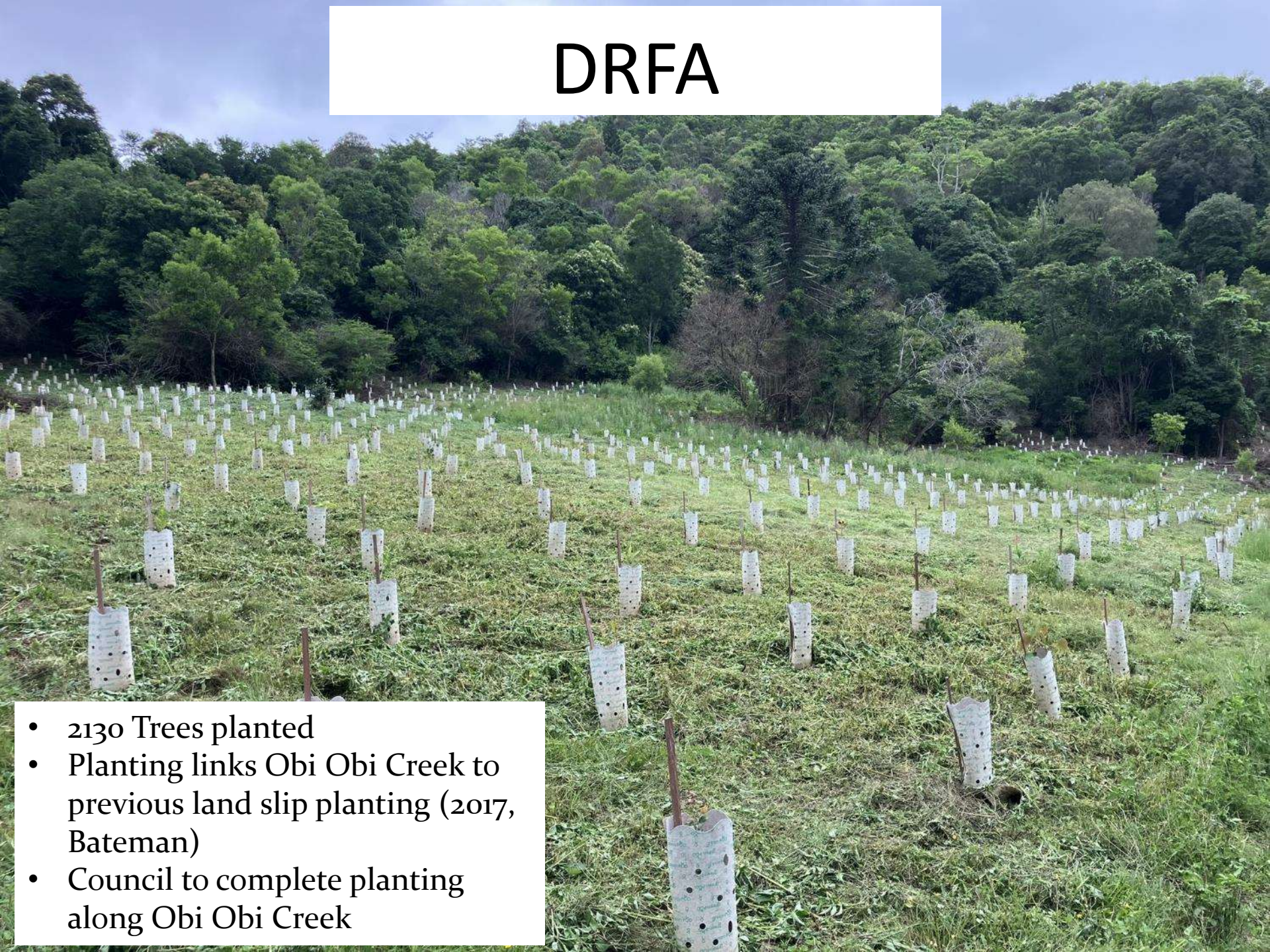


- TAG rural
- 750 meters of fencing to be completed.
- Off stream watering system installed today by Paul and Phil Nash.
- Crossings to be completed along with the revegetation.

DRFA – Mac Farms

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- Recent weather has caused some problems
 - Majority of trees have survived
 - Excellent example of why we needed water tolerant plant species

DRFA

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- 2130 Trees planted
 - Planting links Obi Obi Creek to previous land slip planting (2017, Bateman)
 - Council to complete planting along Obi Obi Creek

New Planting Idea

- Flood plains
- Tree planted with lomandra and stake up stream
- Lomandra and stake protect plant during floods





Water Flows

- Peaked at 31,000 L/Day
- Currently at 13,000 L/Day

July 2023



Feb 2024





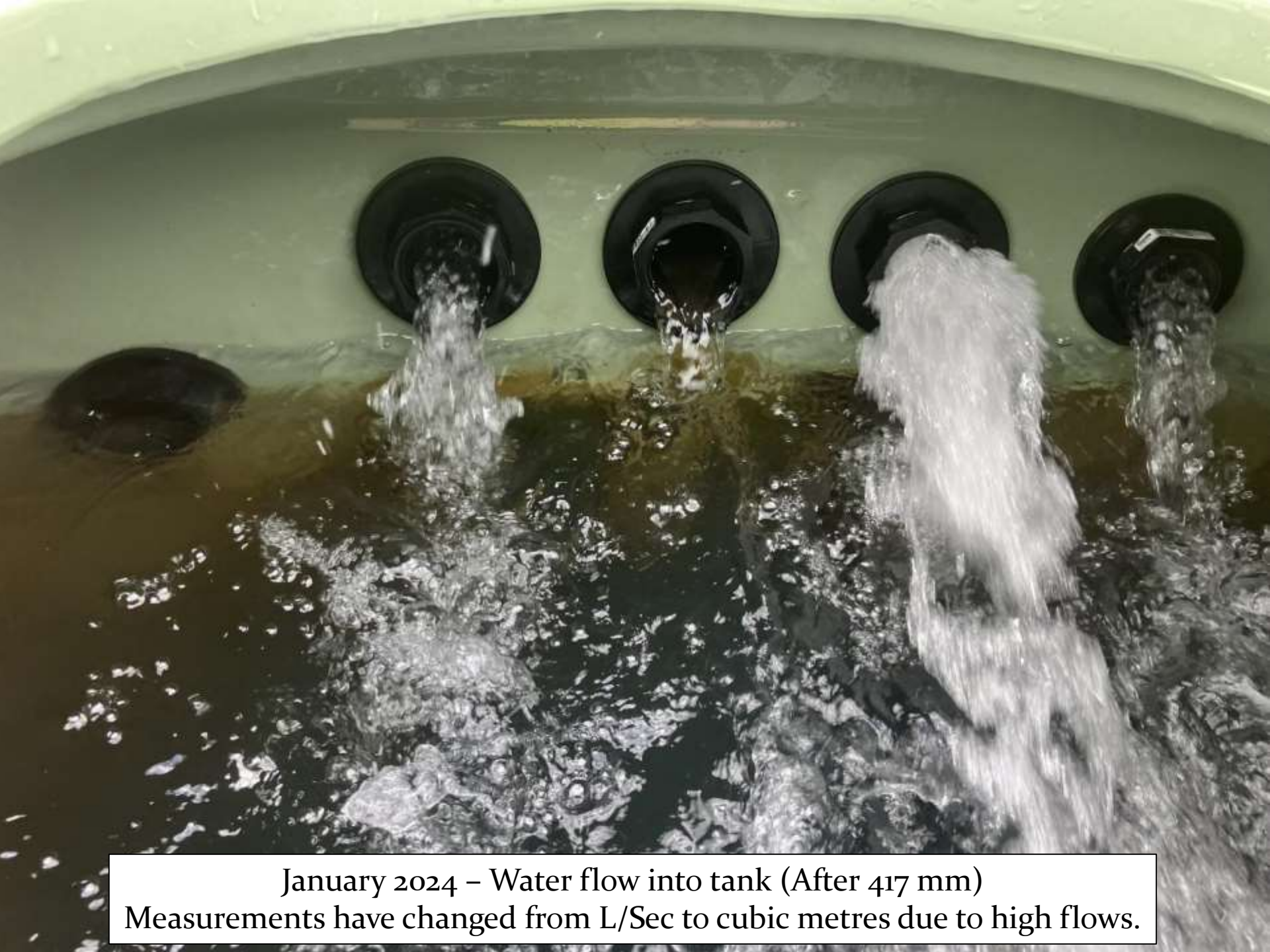
Exclusion
fencing

Revegetation

5 Drainage wells installed and fitted with poly pipe which then feeds into a header tank and then out into two troughs for cattle.

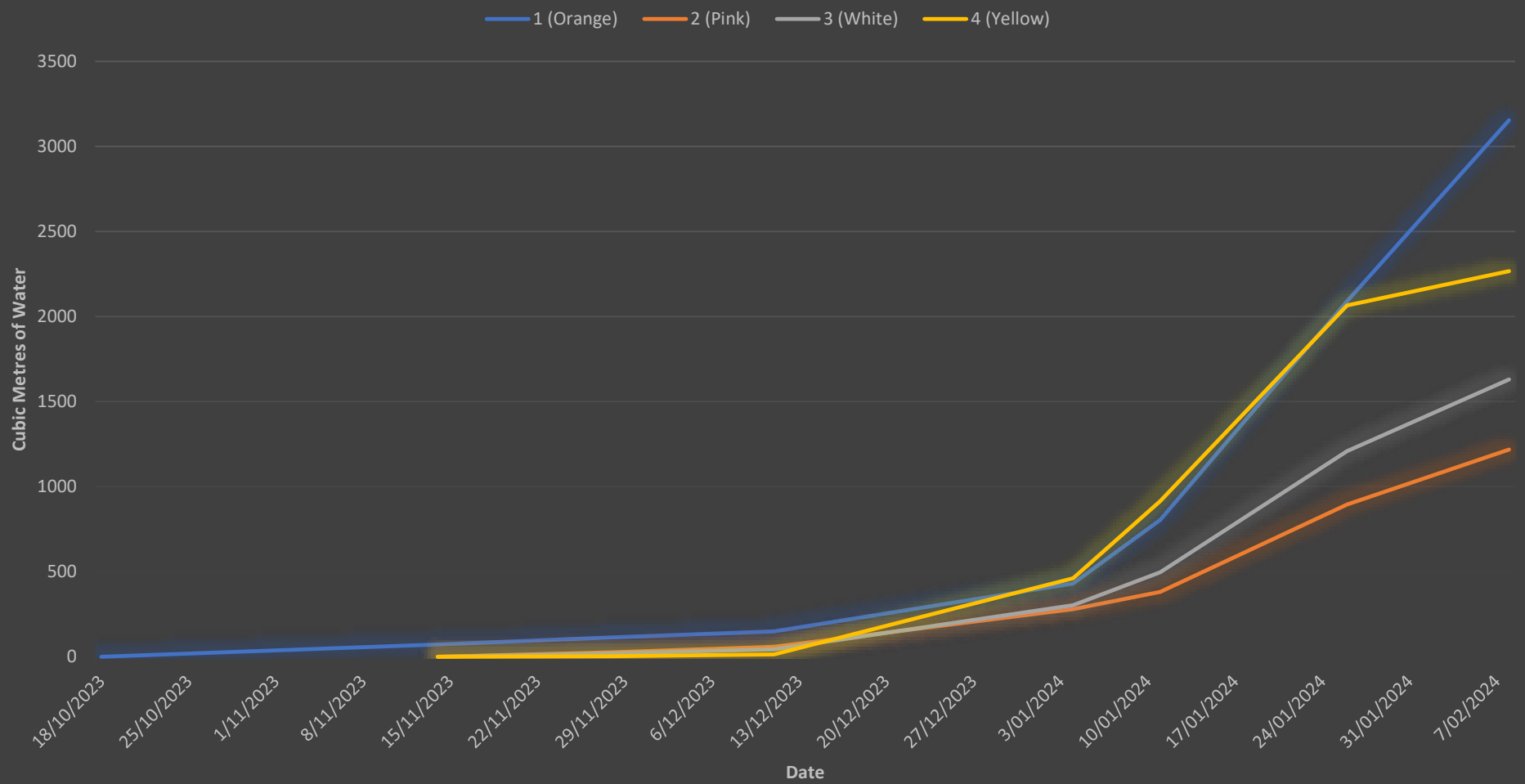


November 2023 - Water flow from each well coming into the header tank



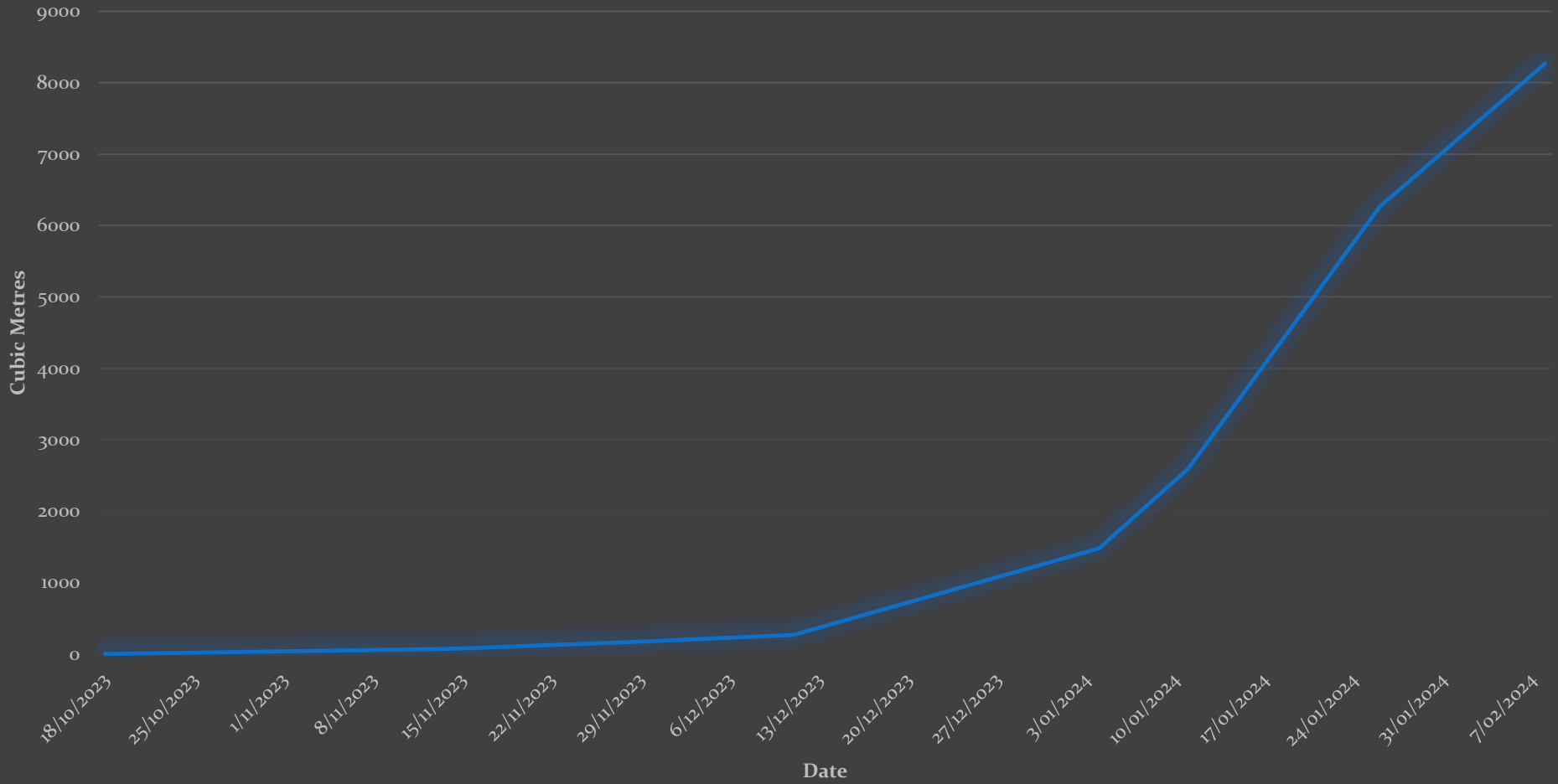
January 2024 - Water flow into tank (After 417 mm)
Measurements have changed from L/Sec to cubic metres due to high flows.

Water Captured from All Wells



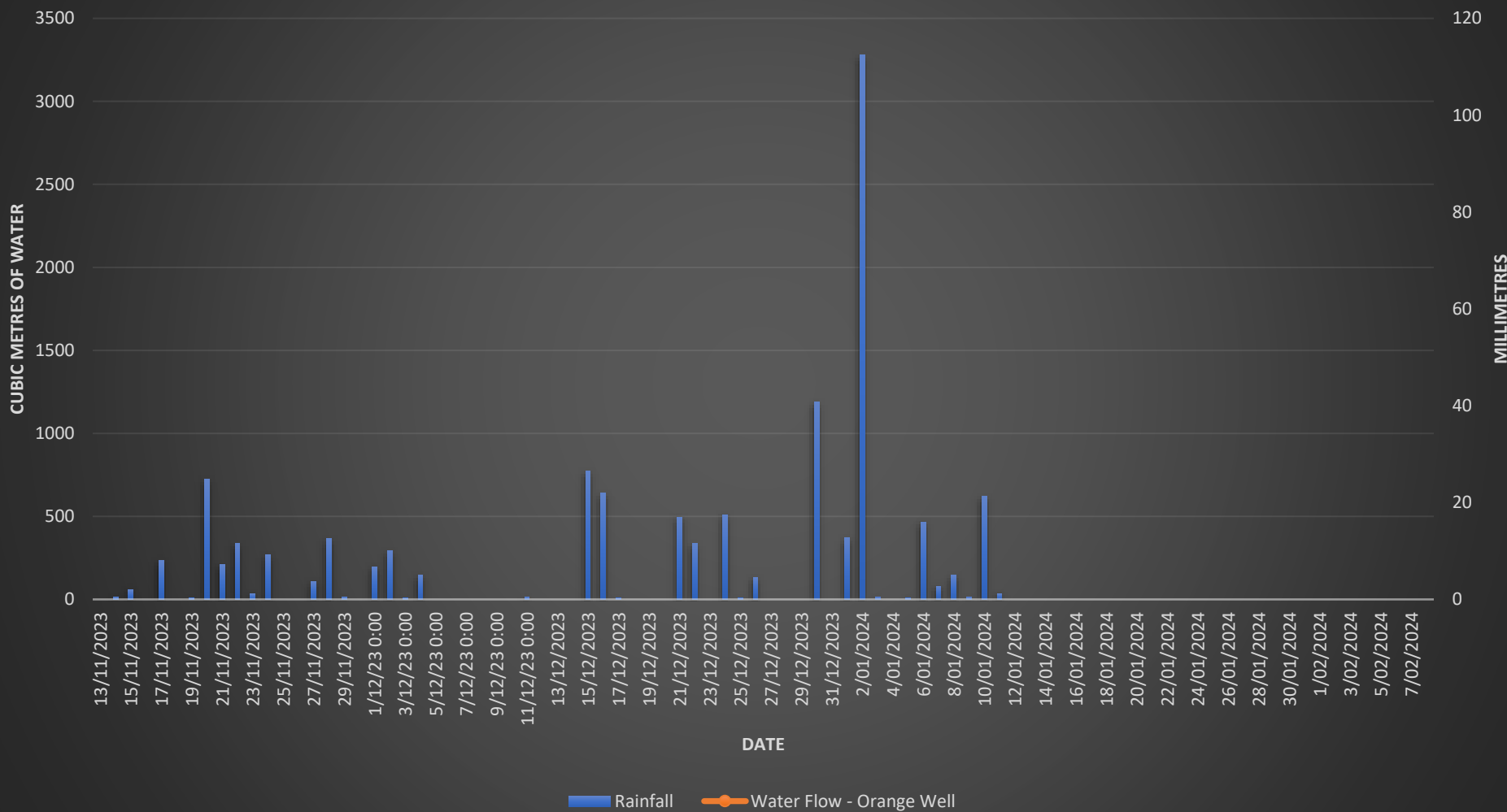
- Strong landholder interest has assisted in the monitoring of the wells

Total Water Captured From all Wells



Total Water drained through wells 8,269 cubic metres (8,269,000 L)

Orange Well Water Flow and Rainfall



- Using rainfall data to discover patterns in underground water flow
- Water flows in excess of 54,000 L/day
- After 400 mm, water flow has increased exponentially, soil super saturated

Lessons

- A bigger overflow system needs to be installed.
- Evidence that 40 mm piping doesn't keep up in peak events.
- Problems with foreign matter blocking flow metres





Lids have been used to exclude light from the wells to stop algal growth and for safety



Maintenance

