

Pollack Watering Event 2022/23 Notes – October 9th

Delivery

- Natural through flows continue via Pollack Creek
- Delivery continued to provide small refuge
- Volume delivered for the week 91ML, total delivered 1,103ML, remaining allocation 2,397ML
- Water depth at the Swamp centre 1.675m (estimate based on Barbers Ck reg depth)
- Inundation continues across the entire site.

Table 1: Delivery summary

Delivery W/E 9 th Oct		Delivery for 2022/23 Event		
Average Daily Delivery	Total Delivered	Average Daily Delivery	Total Delivered	Remaining Allocation
13ML	19ML	19.6ML/d	1,103ML	2,397ML

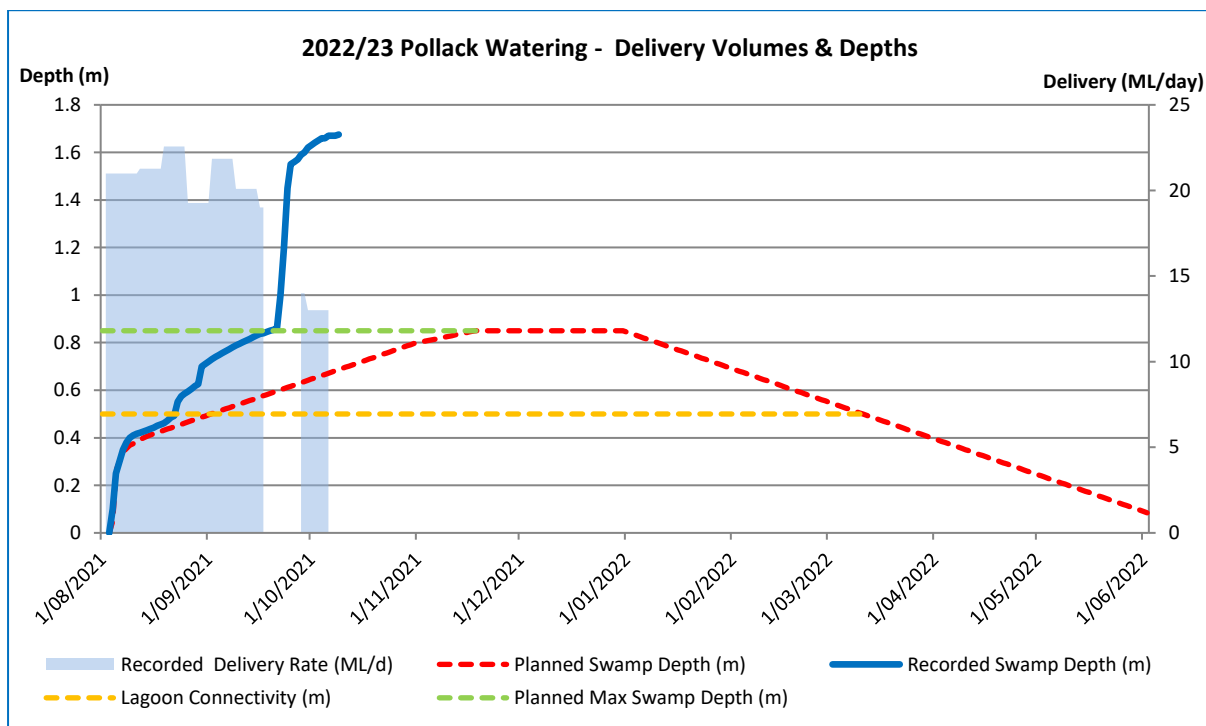


Figure 1: Graph indicating the average delivery rate (ML/day), planned and recorded depths (m) at the swamp centre.

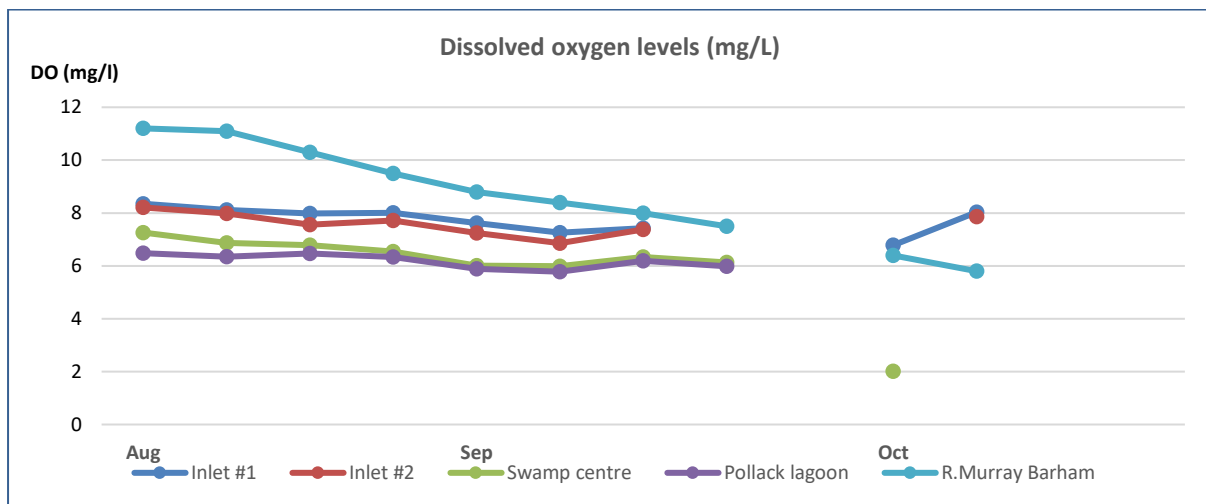


Figure 2: Dissolved oxygen levels (mg/L) recorded at four sites at the Pollack and the Murray River Barham.



Table 2: Dissolved oxygen levels at 20m incremental distances at Inlet #1 refuge

Inlet #1	Temp	DO (%)	DO (mg/l)
20m	15.9	81.2	8.03
40m	17.4	67.4	6.46
60m	18.3	55.9	5.26
80m	17.7	49.0	4.67
100m	16.4	15.6	1.40

General observation summary

- Despite the rapid rise in water level (0.8m) wetland vegetation within previously watered areas is responding well
- No wetland vegetation response observed within areas not previously watered
- Some waterbird species beginning to show courtship coloration (Figure 4).



Figure 3: Intermediate egret showing the characteristic pink bill coloration associated with courtship



Figure 4: Patches of wavy marshwort, common milfoil and water ribbon near inlet #1.

