

Pollack Watering Event 2022/23 Notes – January 6th

Delivery

- Delivery recommenced 6th January at maximum rate via inlet #1
- Water depth at the Swamp centre is 1.085m, a fall of 165mm for the week
- Extent of inundation is 200ha (Figure 3).

Table 1: Delivery summary

Delivery W/E 8 th Jan		Delivery for 2022/23 Event		
Average Daily Delivery	Total Delivered	Average Daily Delivery	Total Delivered	Remaining Allocation
0	0	16.9ML/d	1,189ML	2,311ML

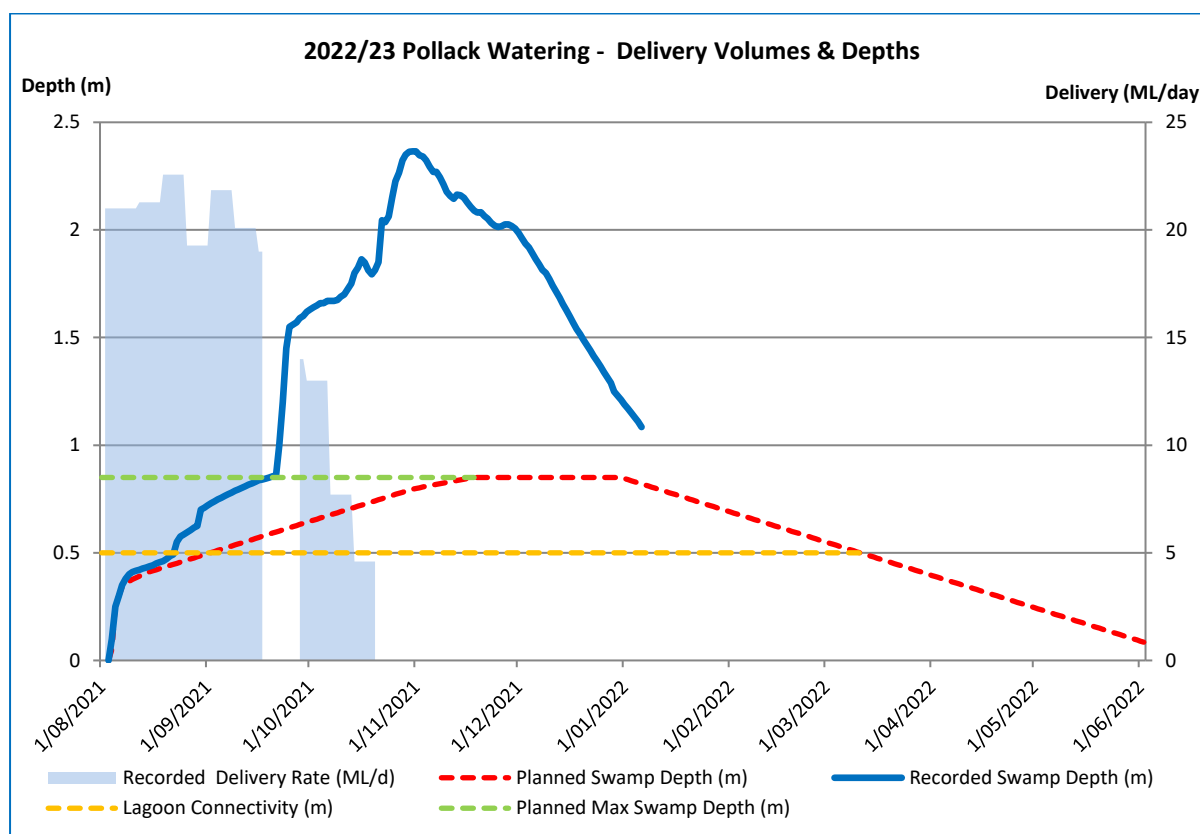


Figure 1: Graph indicating the average delivery rate (ML/day), planned and recorded depths (m) at the swamp centre.

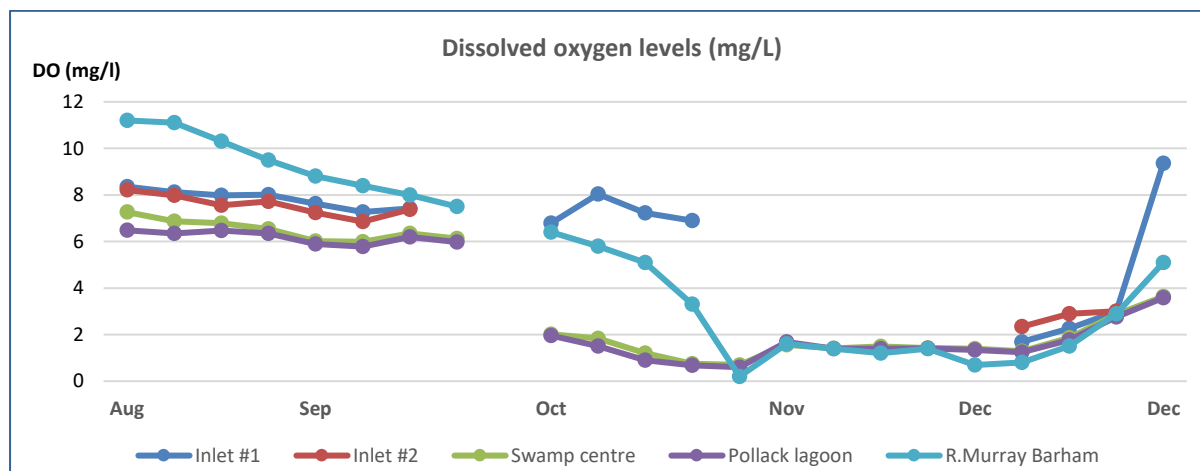


Figure 2: Dissolved oxygen levels (mg/L) recorded at four sites at the Pollack and the Murray River Barham.



General observation summary

- DO levels are 3.5mg/l across most of the site
- Delivery has recommenced to managed recession to maintain optimum water depth beneath breeding colony and provide/maintain productive foraging areas to support colonial waterbird breeding cycle
- Ground survey of colonial waterbird breeding recorded;
 - main colony extends to 25ha (Figure 4)
 - nest survey of 2ha recorded 110 nest trees containing 222 nests (Figure 5)
 - conservative estimate of colony numbers of predominant species; Nankeen night herons 1,500+, White-necked herons 500+, Eastern Great Egrets 300+, mixed cormorants 300+
 - small numbers of Intermediate egret, Yellow-billed spoonbill, Australian white ibis recorded nesting outside the survey area.

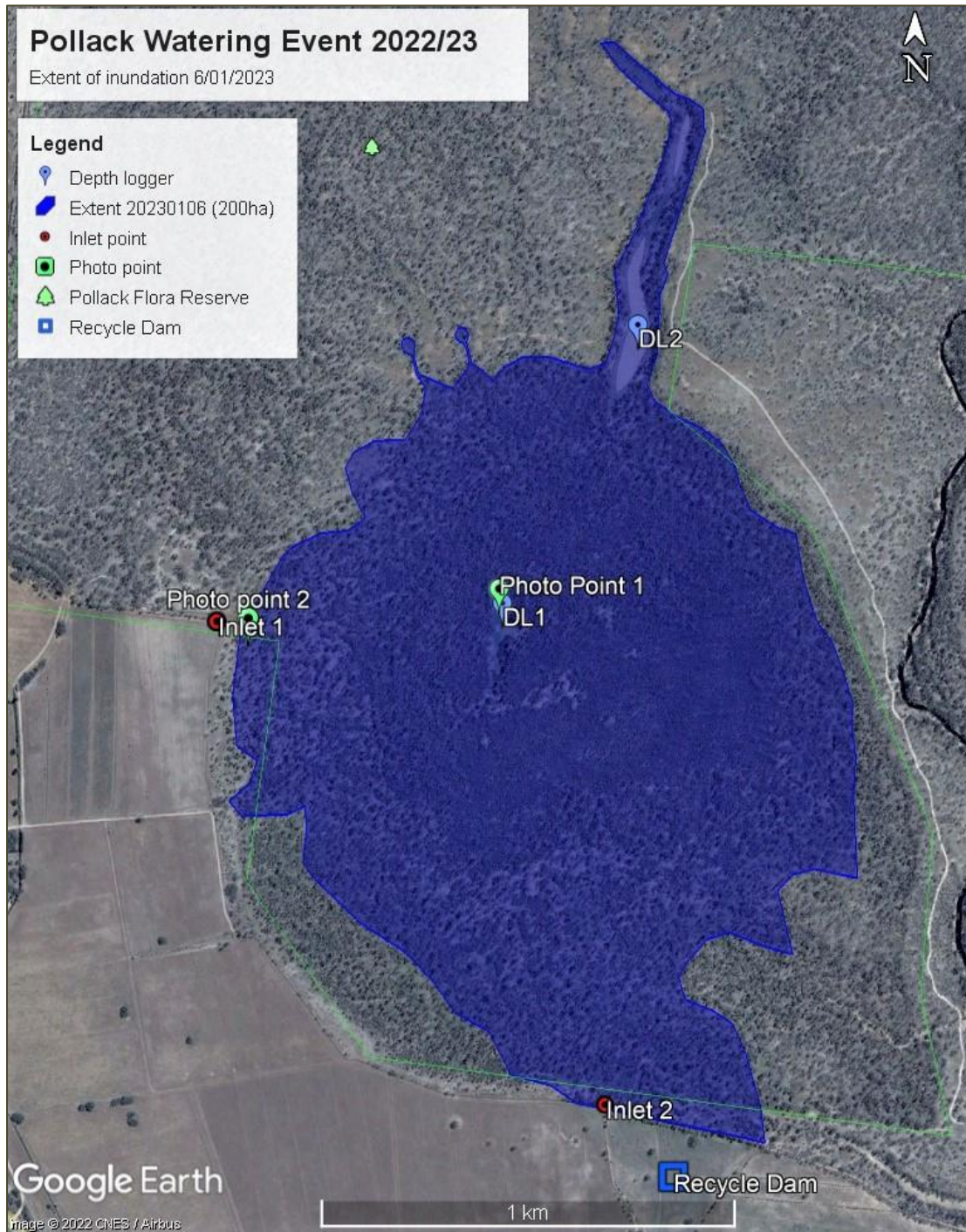


Figure 3: Map indicating the location of inlet points, depth loggers, photo points and recorded extent of inundation.

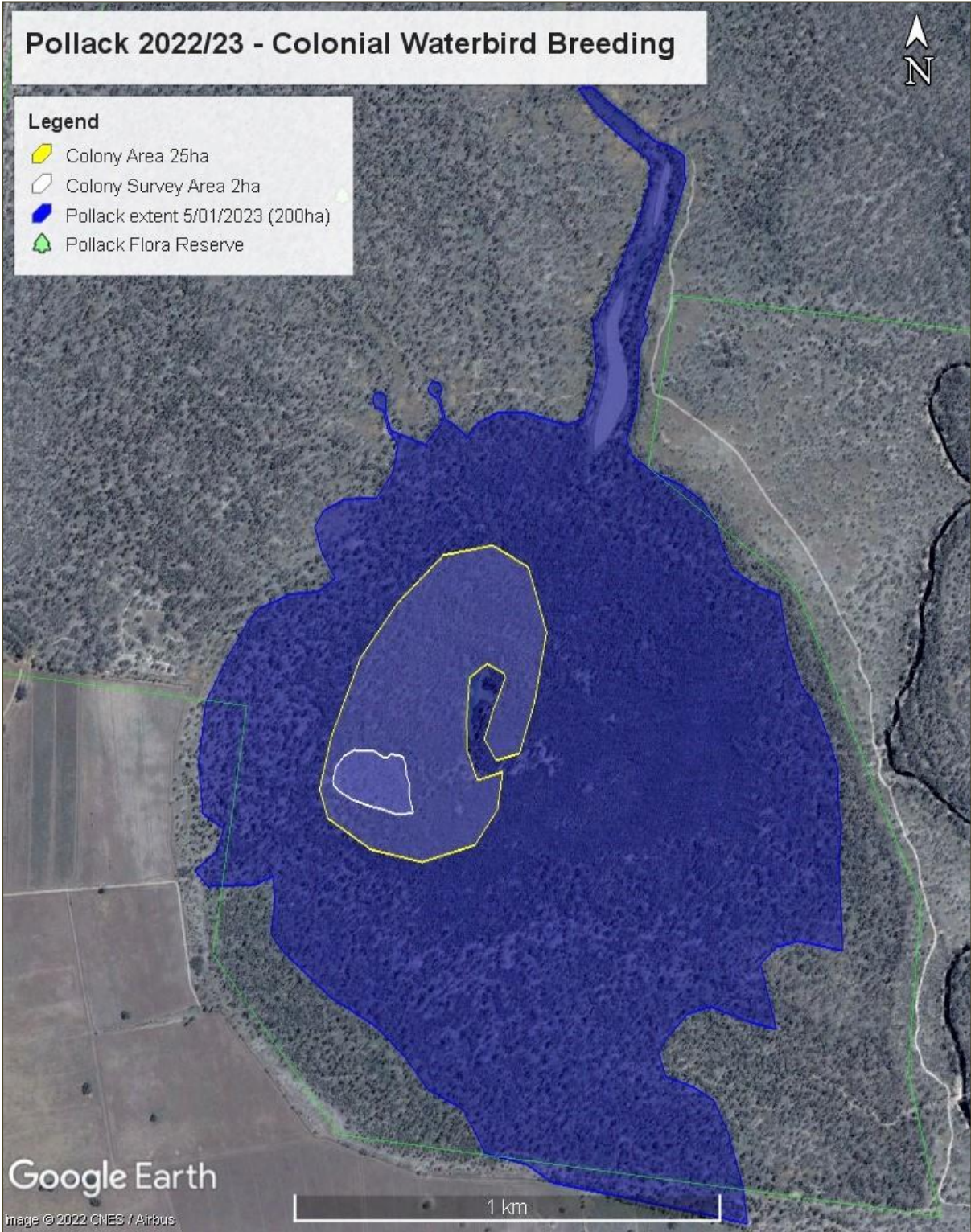


Figure 4: Map indicating the main location of the waterbird breeding colony, survey area and current extent of inundation.

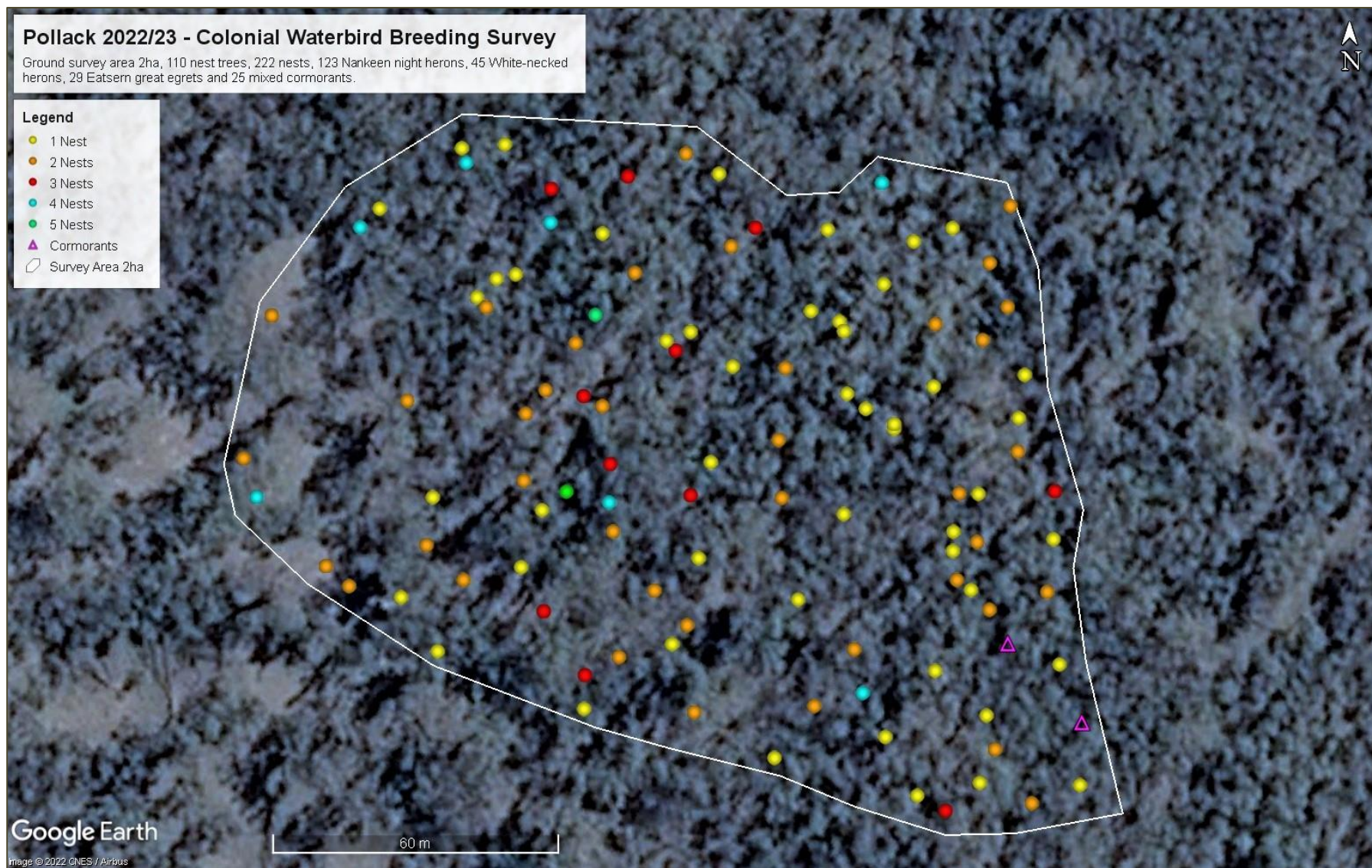


Figure 5: Map indicating the colonial waterbird breeding survey area, recorded nest trees and nests number.

