

KPF 2022 OBE Update #14, 17th January 2023

- Since the last update we have seen a rapid recession of water in our region, and the KPF has not been receiving an inflow of water via Swan Lagoon since the **7th of January**
- Dissolved Oxygen (DO) levels as a whole have been trending upwards in the Murray River system
- DO levels exiting KP through Barber's Ck have also been trending upwards, whilst DO levels are remaining low throughout the forest in now stranded wetlands and creek beds
- Aquatic vegetation is booming at the moment, however; it will be interesting to see how the vegetation fairs over the next few weeks due to the rapid rate of recession and hot weather
- Large tadpole numbers are being observed throughout the forest
- Large numbers of small European Carp are present throughout the forest footprint
- White-faced Herons and White Necked Herons are currently seen within KP, with a small number of Little Pied Cormorants as well, however; the majority of bird breeding is located at the Pollack Swamp

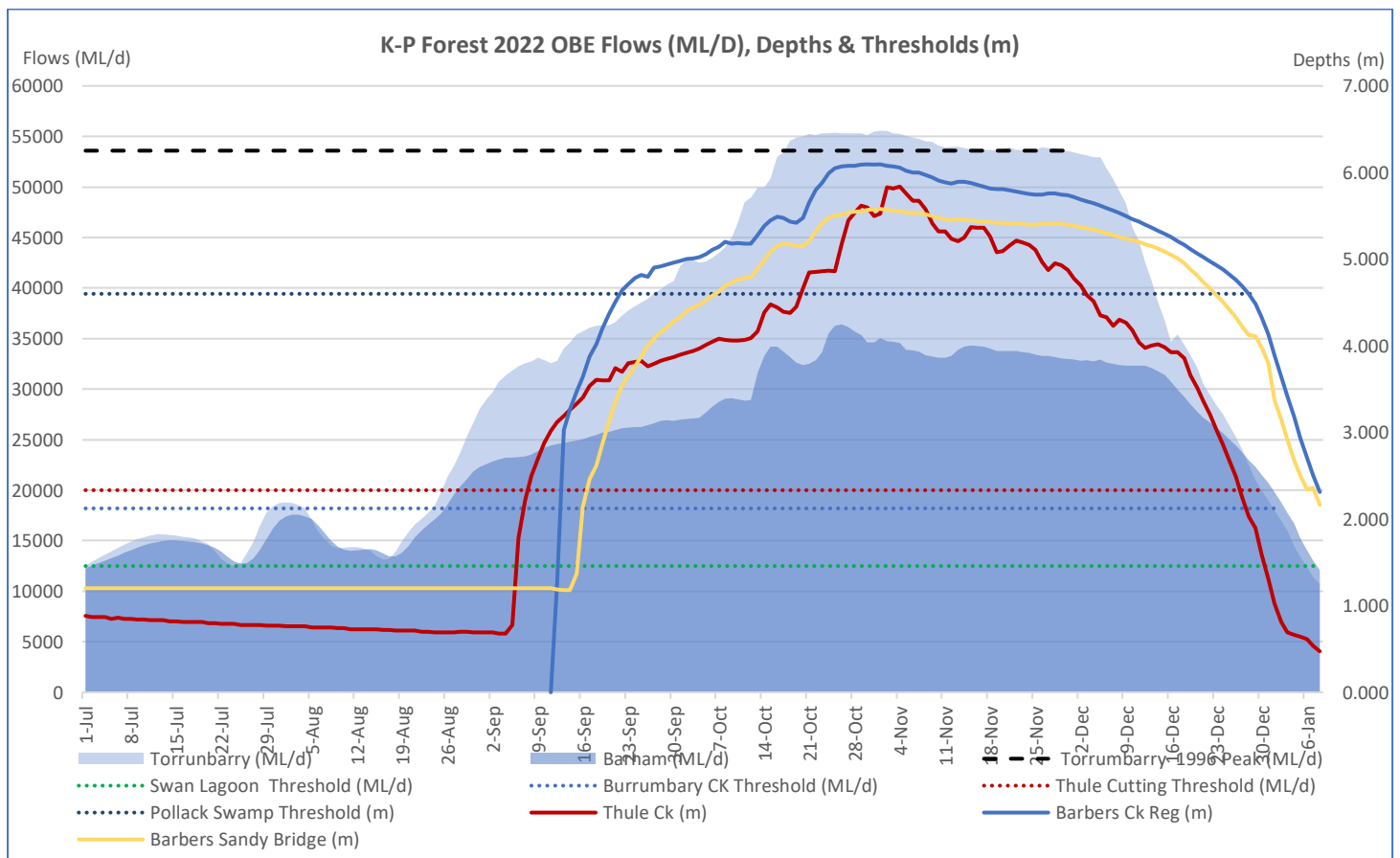


Figure 1: Hydrograph showing Murray River flows (ML/d), KPF inflow thresholds (ML/d), and exit flows (m)

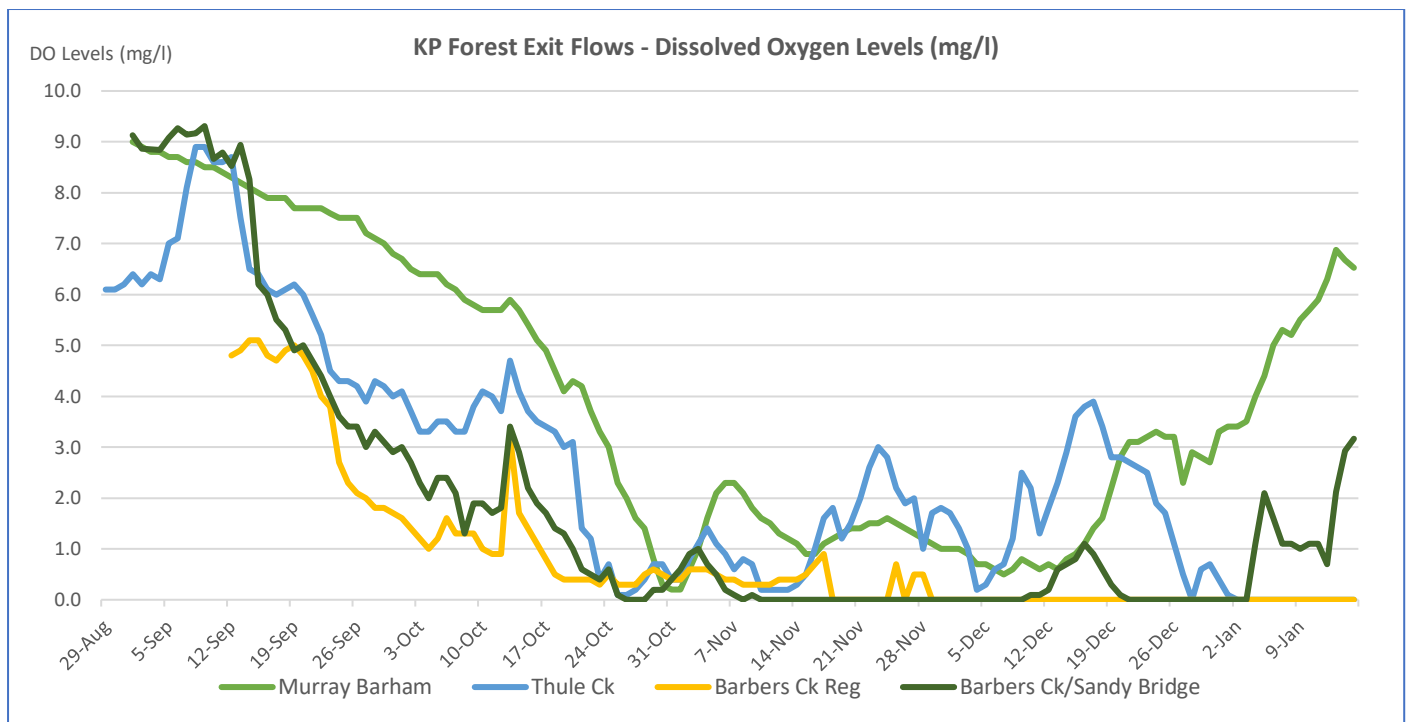


Figure 2: K-P Forest exit flow depths (m) & dissolved oxygen levels (mg/l)



Figure 3: Satellite image, Koondrook-Perricoota Forest, 15th January 2023, source: Sentinel Hub



Figure 4. Water Ribbon (*Triglochin procera*) in top end of KPF, 11 January 2023

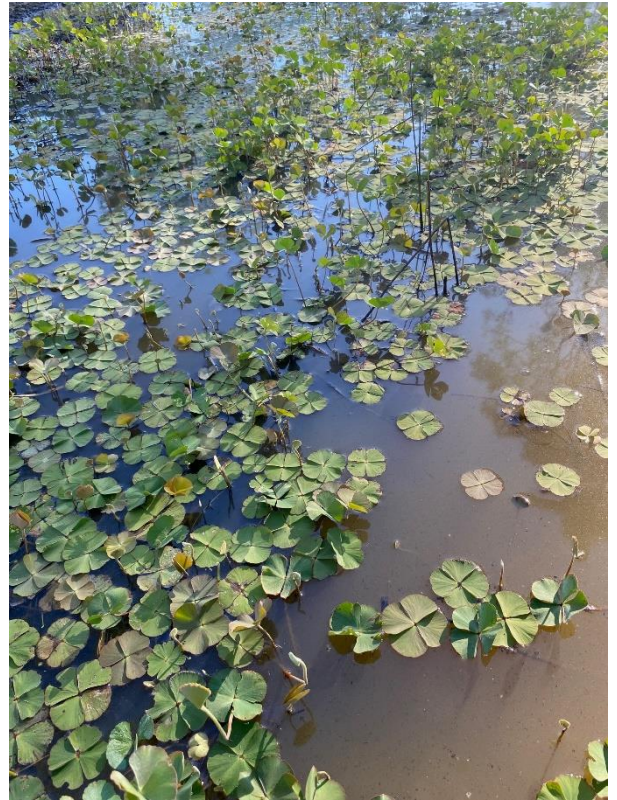


Figure 5. Common Nardoo (*Marsilea drummondii*) in top end of KPF, 11 January 2023



Figure 6. Common Nardoo (*Marsilea drummondii*) in bottom end of KPF, 10 January 2023