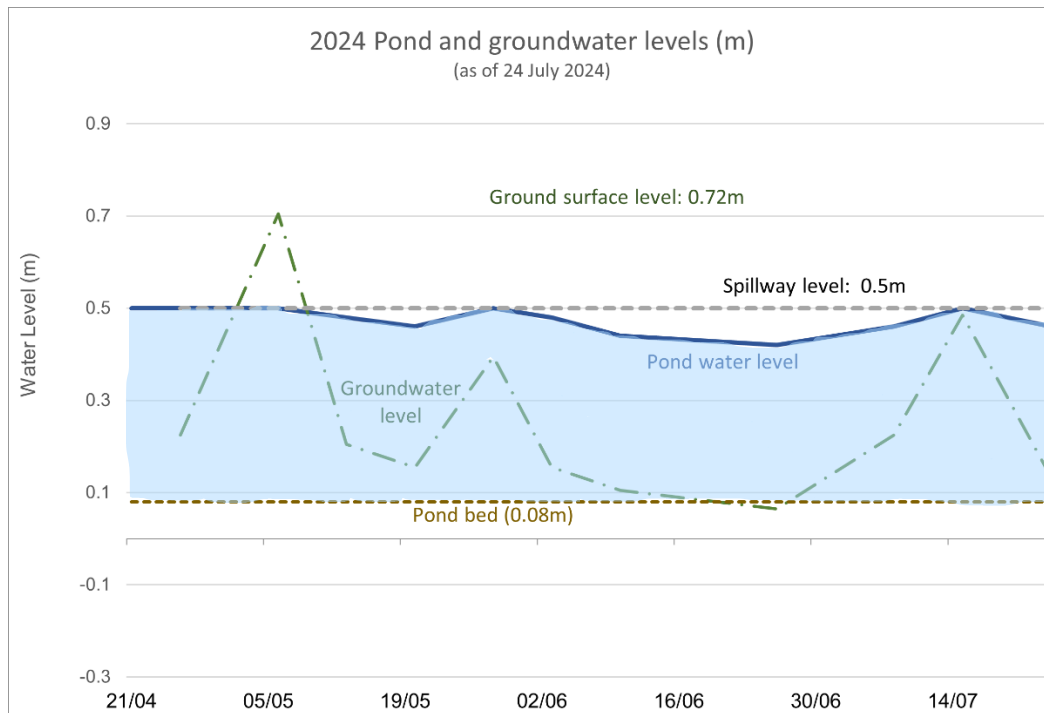


# Shamley Green Duck Pond

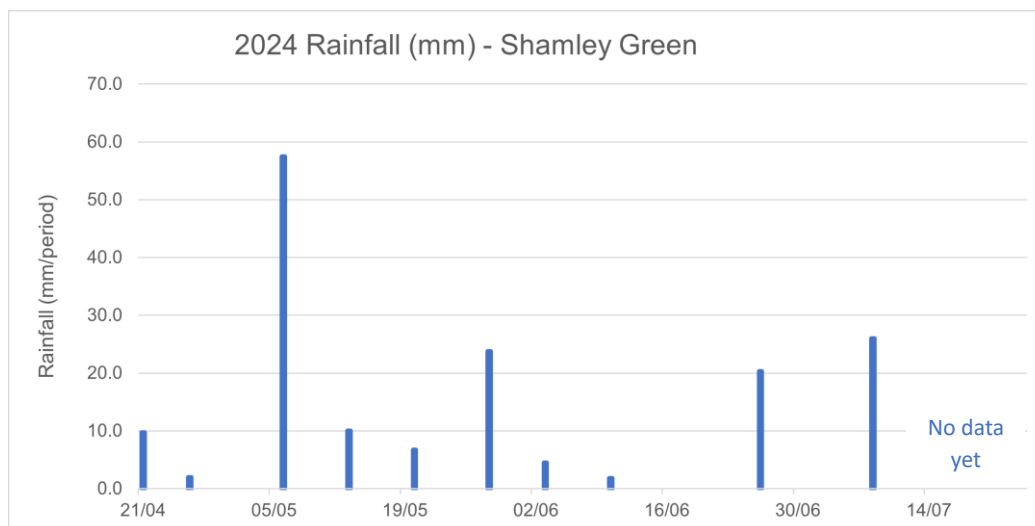
## 2024 Summer water levels and rainfall

### Pond water levels and adjacent groundwater table levels



Groundwater table plotted to same vertical datum as pond level

### Rainfall



Period	Rain in period (mm)	Period	Rain in period (mm)
15-21 April	10	11-17 June	0.3
22-26 April	2	18-26 June	20
27 Apr-6 May	58	27 Jun- 8Jul	26
7-13 May	10		
14-20 May	7		
21-28 May	24		

	Monthly totals (mm)	
	Mean	2024
May	47	67
June	47	22
July	49	
August	57	
Sept	54	
Oct	74	

## Summary

- May 2024 was particularly wet this year with 67mm recorded in Shamley Green, 43% more than the long-term average for the month (at Wisley). By contrast, June was dry with only 22mm rainfall, about half of the monthly average.
- The pond water level reflected this rainfall pattern staying virtually full in May and only dropping 8cm towards the end of June. In early July, the pond was again full following heavy rainfall.
- This contrasts with the drier and hotter conditions in 2022 when the pond had dried out by mid-July, and in 2023 when the pond level dropped to half full by early July.
- Daytime temperatures this year only started to increase significantly in early July.
- The maximum daily fall in pond water level during the mid-June dry period was 5.7 mm/day, caused by evaporation from the pond surface and transpiration of the trees and other surrounding vegetation. During the heatwave of 2022, the pond level was dropping more than 10mm/day.
- Groundwater levels are being measured in the tubewell near to the pond. The water table was just below ground surface in early May and fluctuated 20 to 65 cm below ground level during June and July. This is higher than last year reflecting the heavier rainfall in 2024.
- Ditch clearance work and repair of some of the land drainage pipes upstream in the catchment area of the pond should be helping to increase the inflow and maintaining higher water levels.