

Mimram rainfall and groundwater levels – April 2012 – 4 charts



monthly water situation report

South East Region, North East Thames Area

Summary – April 2012

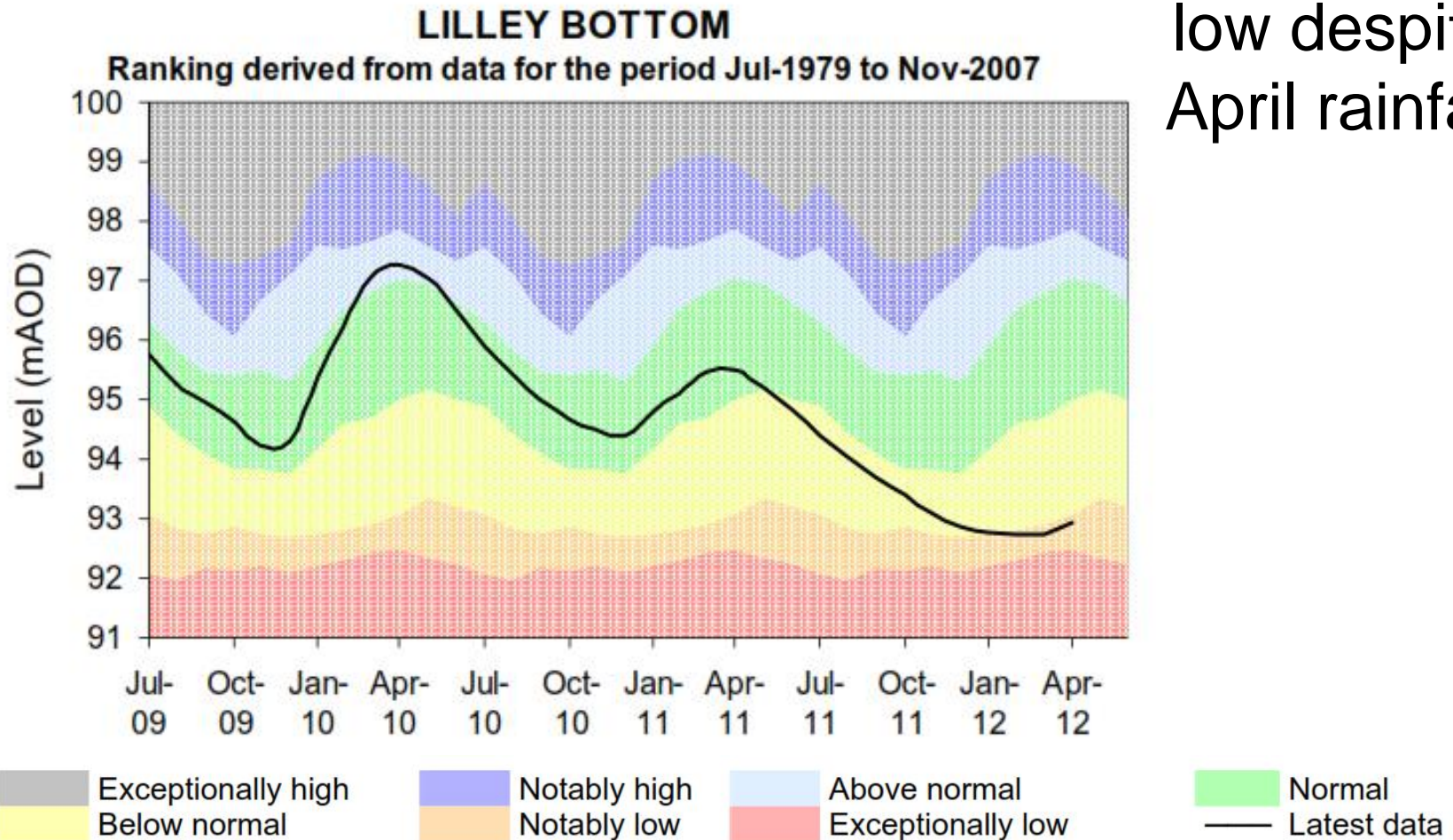
The wettest April on record caused river flows to rise dramatically during the third week of the month. The heavy rainfall did little to improve North East Thames Area's groundwater resource, which remained *below normal* for the time of year.

Rainfall

April was the wettest month on record for the North London, Roding (1961-Present), the Chiltern-East-Colne and Lower Lee (1920-Present) areal units. The North East Thames Area ("the Area") recorded 122mm of rainfall or 249% of the Long Term Average (LTA) rainfall for April. Rainfall was recorded on 23 days during the month, with the heaviest totals on the 9, 17, 18, 23, 24, 25, 27, 28, 29 and 30 April. The largest daily total of 31.8 mm was recorded on the 28 April at Lilley Manor in the River Mimram catchment.

Upper Lee Groundwater

Groundwater level still exceptionally low despite April rainfall



Rainfall and Effective Rainfall – Summer total for period 1 April 2012 to 30 April 2012

Area	Rainfall (mm)			Effective Rainfall (mm)		
	Total (mm)	LTA (mm)	% of LTA	Total (mm)	LTA (mm)	% of LTA
Chilterns- East - Colne	144	54	265	63	16	394
Lee - Chalk	110	49	224	11	12	92
North London	116	48	242	6	8	75
Lower Lee	125	48	257	3	9	33
Roding Catchment	113	45	250	3	7	43
North East Thames Area Average	122	49	249	17	10	165

Glossary

Term

Aquifer

Areal average rainfall

Effective rainfall

Groundwater

Recharge

Definition

A geological formation able to store and transmit water.

The estimated average depth of rainfall over a defined area. Expressed in depth of water (mm).

The rainfall available to percolate into the soil or produce river flow. Expressed in depth of water (mm).

The water found in an aquifer

The process of increasing the water stored in the saturated zone of an aquifer. Expressed in depth of water (mm).

