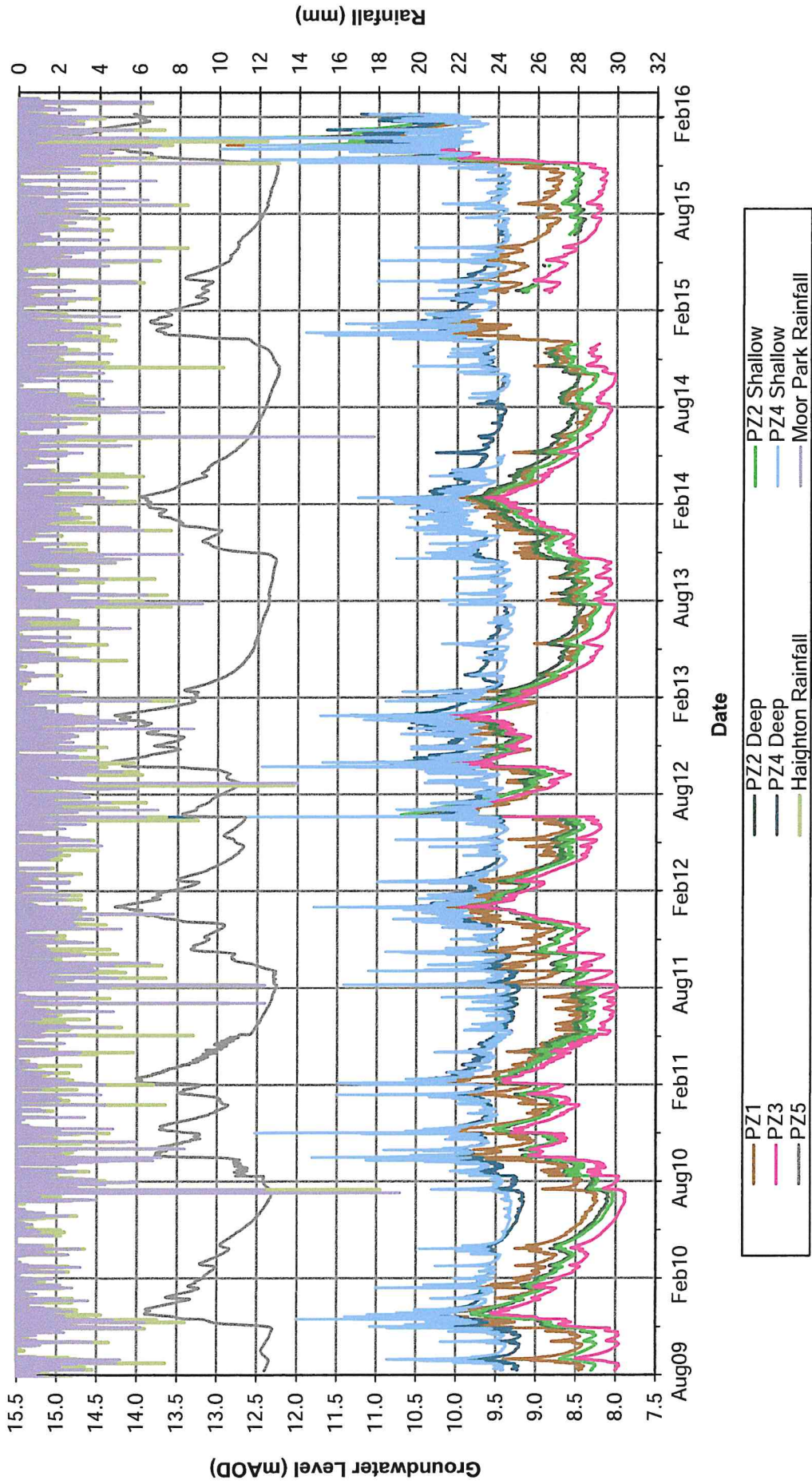


**Samlesbury Estate  
Observed Groundwater Levels at Piezometers: 13/08/2009 - 10/03/2016**



Ref: P:\Samlesbury FRA (1998)\2016  
Update: Figures\Figure 8 Full Hydrograph  
Date: 02/06/2016

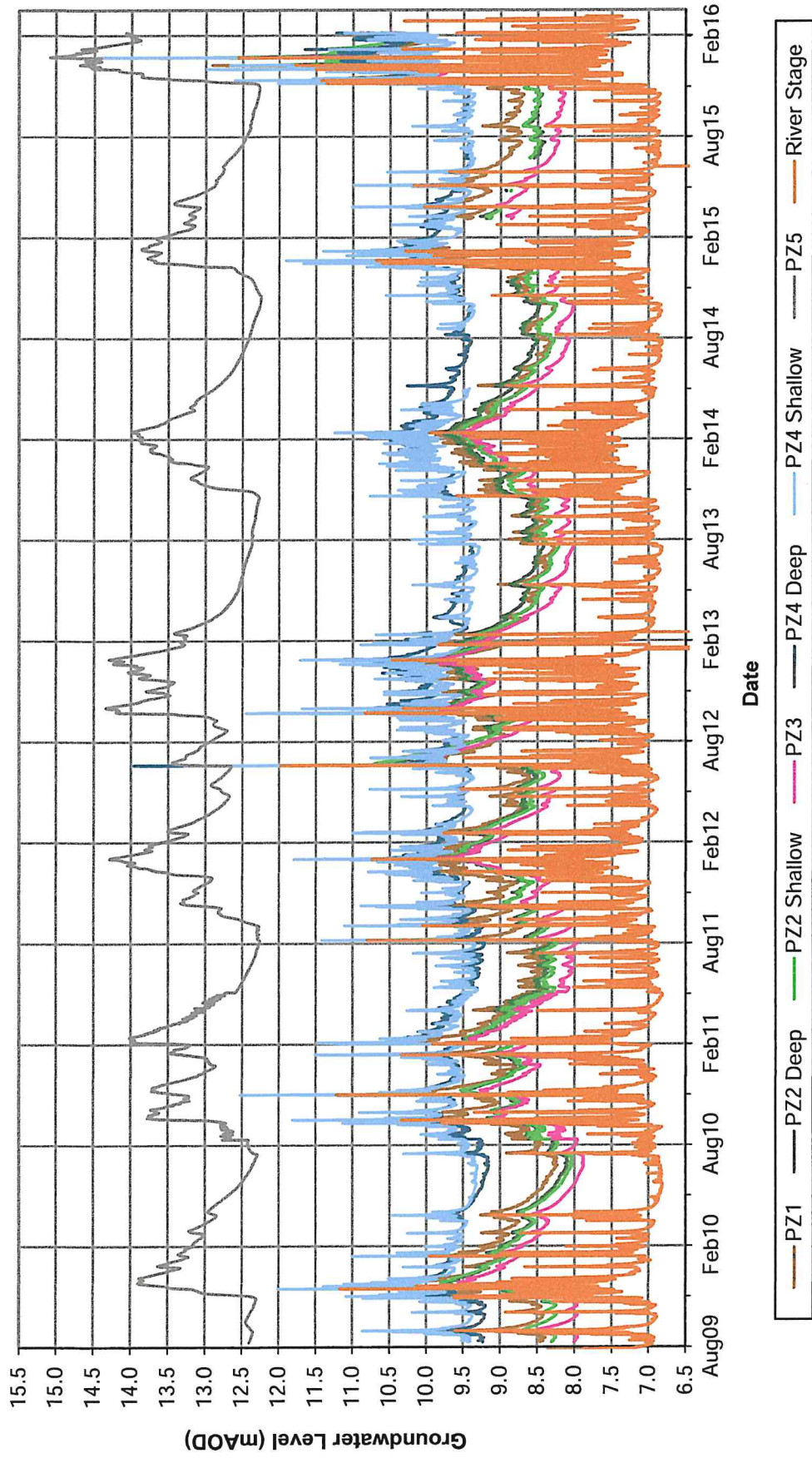
**Samlesbury Estate**

Groundwater Hydrographs (All Piezometers) & Rainfall

Figure 8



**Samplesbury Estate  
Observed Groundwater Levels at Piezometers & River Ribble Stage**



Ref: P:\Samplesbury FRA (1998)\2016  
Update\Figures\Figure 9 Full Hydrograph & Stage  
Date: 02/06/2016

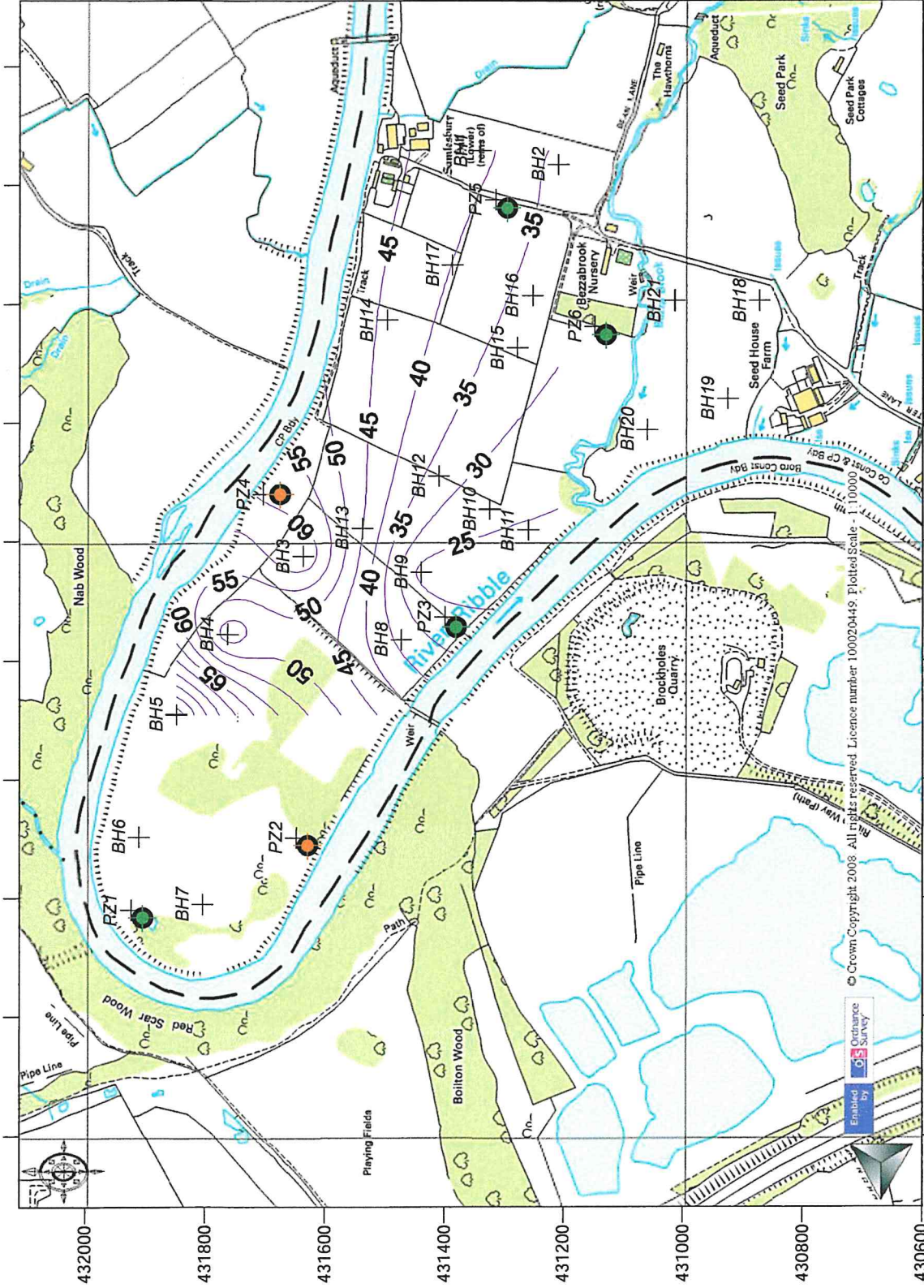
**Samplesbury Estate**

Figure 9  
Groundwater Hydrographs (All Piezometers) & River Ribble Stage



**KEY**

- Contour Line (m/day)
- + Site Investigation Borehole
- Shallow Piezometer
- Shallow & Deep Piezometers



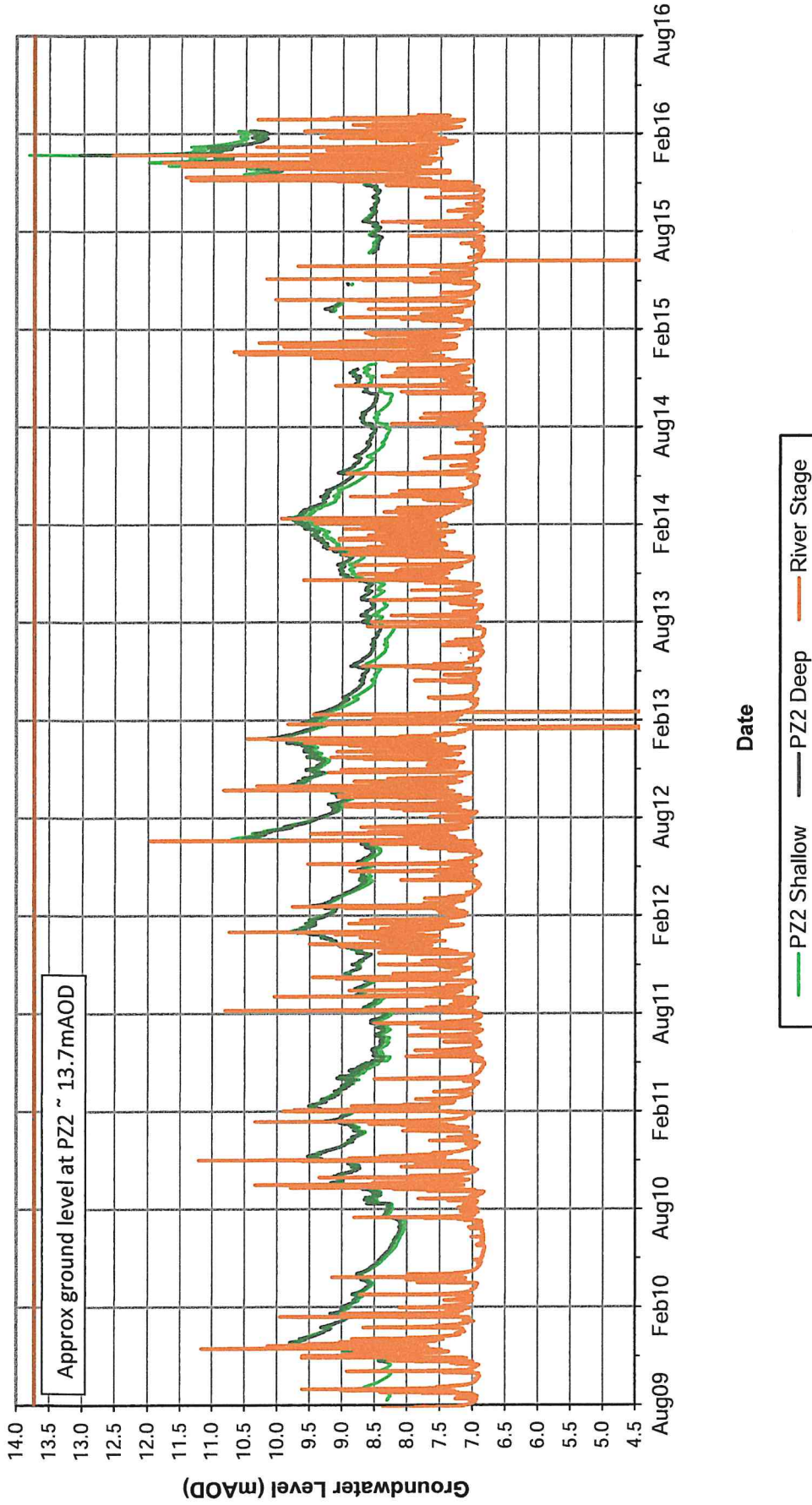
Reproduction of base map with the permission of The Controller of Her Majesty's Stationary Office © Crown copyright. Licence No AL 100050002. Scale 1:10,000 (at A4)

<p>Ref: P:\Sablesbury FRA (1998)\2016 Update\Figures\Figure 10 Permeability Contours Date: 02/06/2016</p>	<p><b>Sablesbury Estate</b></p>
<p>Hydraulic Conductivity of Sand and Gravel Deposits</p>	



Figure 10

**Samlesbury Estate**  
**Observed Groundwater Levels - PZ2 Shallow & Deep**



Ref: P:\Samlesbury FRA (1998)\2016  
 Update\Figures\Figure 11 Pz2 Hydrograph  
 Date: 02/06/2016

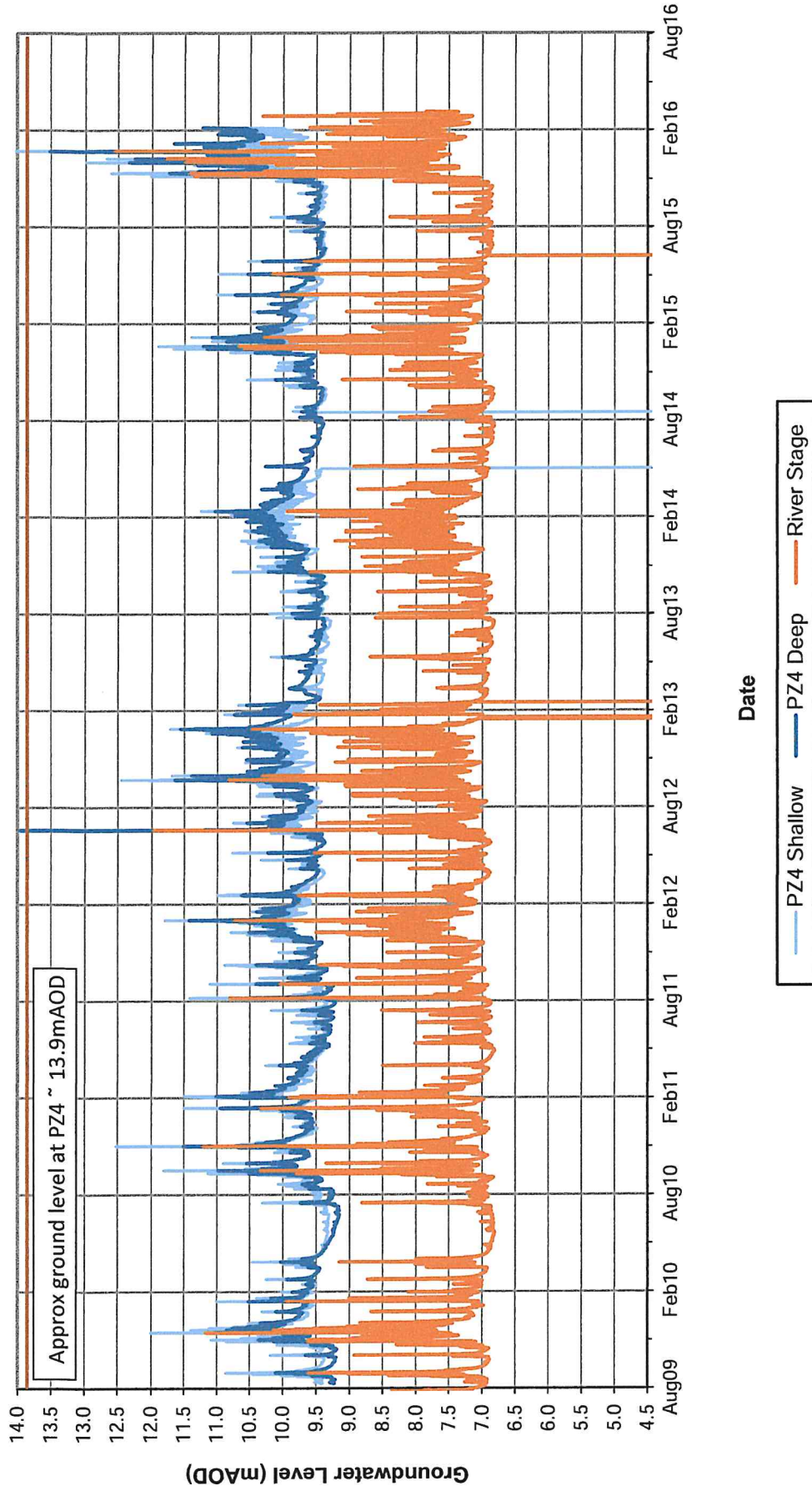
**Samlesbury Estate**

PZ2 (Shallow and Deep) Hydrograph

Figure 11



**Samplesbury Estate  
Observed Groundwater Levels - PZ4 Shallow & Deep**

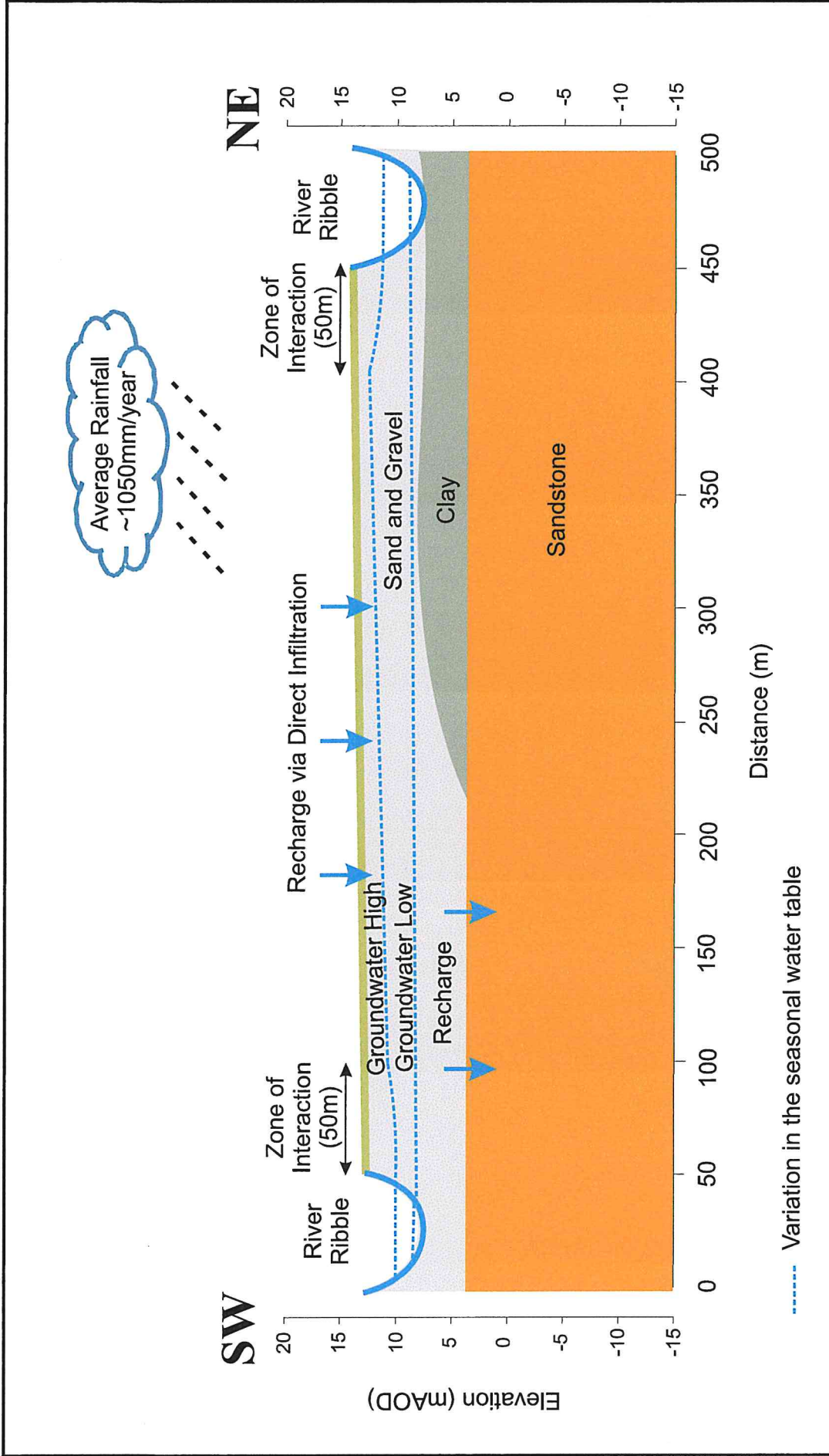


Ref: P:\Samplesbury FRA (1998)\2016  
Update\Figures\Figure 12 Pz4 Hydrograph  
Date: 02/06/2016

**Samplesbury Estate**

PZ4 (Shallow and Deep) Hydrograph

Figure 12



Ref: P:\Samblesbury FRA (1998)\2016 Update\Figures\Figure 13 Conceptual Model Date: 02/06/2016

**Samblesbury Estate**

Hydrogeological Conceptual Model

Figure 13