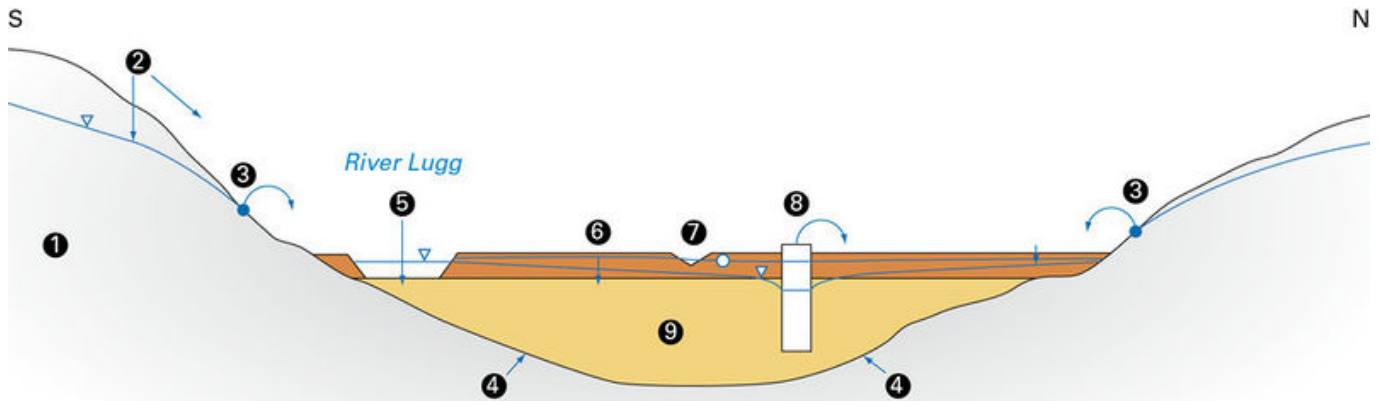


# File:P859284.jpg

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- 1 Silurian bedrock aquifer dominated by fractures and shallow weathering zone
- 2 Effective precipitation on hillsides partitioned between recharge and runoff
- 3 Small springs on valley sides sourced from bedrock — may now be captured by field drains
- 4 Minor contribution from underlying bedrock strata
- 5 River in reasonable hydraulic continuity with gravel aquifer. Leakage from river into gravel aquifer
- 6 Slow downward leakage from shallow 'perched' water table into underlying gravels.
- 7 Water table in shallow system controlled by drains
- 8 Abstraction sourced principally from leakage from overlying strata (6) and induced recharge from River Lugg (5)
- 9 Thick, highly transmissive gravel aquifer overlain by 2 to 3 m of clay. In reasonable hydraulic continuity with river at edge of valley floor

Size of this preview: [800 × 519 pixels](#). Other resolutions: [320 × 208 pixels](#) | [1,000 × 649 pixels](#).

[Original file](#) (1,000 × 649 pixels, file size: 120 KB, MIME type: image/jpeg)

## Summary

Schematic conceptual model of the hydrogeology of the Upper Lugg catchment (after ESI, 2006).

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Date/Time	Thumbnail	Dimensions	User	Comment
current <a href="#">08:12, 20 May 2014</a>		1,000 × 649 (120 KB)	<a href="#">Dbk (talk   contribs)</a>	Schematic conceptual model of the hydrogeology of the Upper Lugg catchment (after ESI, 2006).

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## File usage

The following page links to this file:

- [Hydrogeology of Wales: Quaternary aquifers - the Upper Lugg catchment](#)

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