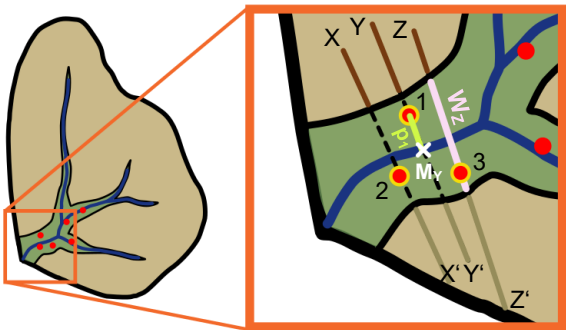


(a)

Selection of boreholes for
composite profile C

Catchment overview



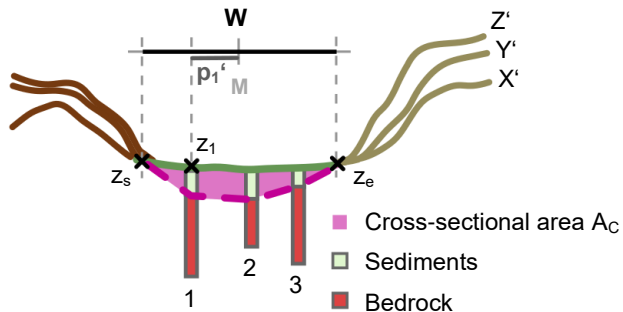
● Borehole locations

■ Valley floor

- Individual (best) transects through boreholes: X–X' etc.
- Borehole positions $p_{1...3}$ with respect to valley floor midpoints $M_{X...Z}$

(b)

Composite valley cross profile generation &
computation of average sediment depth d



- Valley floor width $W = \text{median}(W_X, W_Y, W_Z)$
- Surface elevations $z_{1...3}$ etc. from individual transects
- Average sediment depth $d = A_c / W$