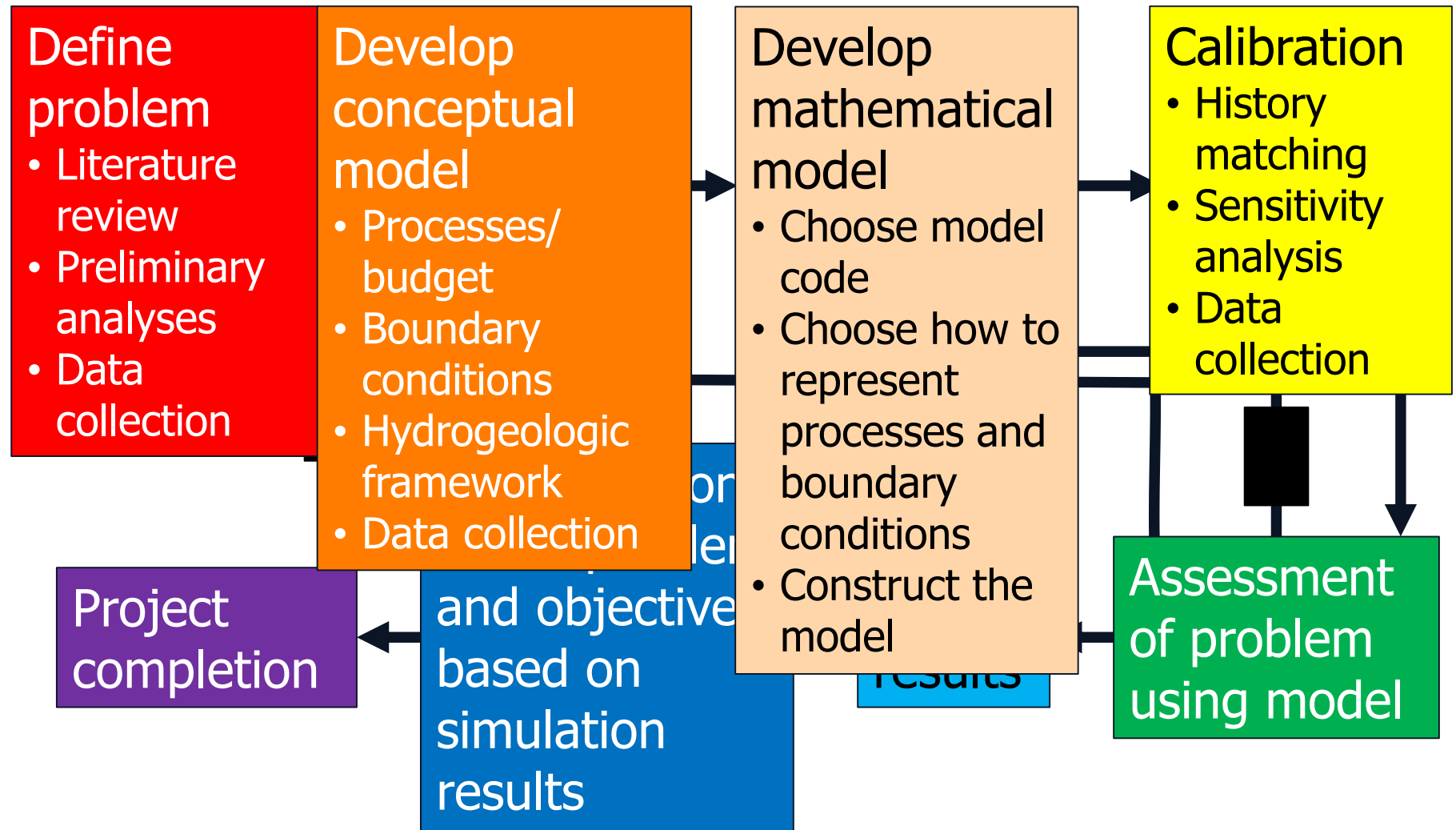


Historic observation targets

Stephen Hundt

Context

The modeling process



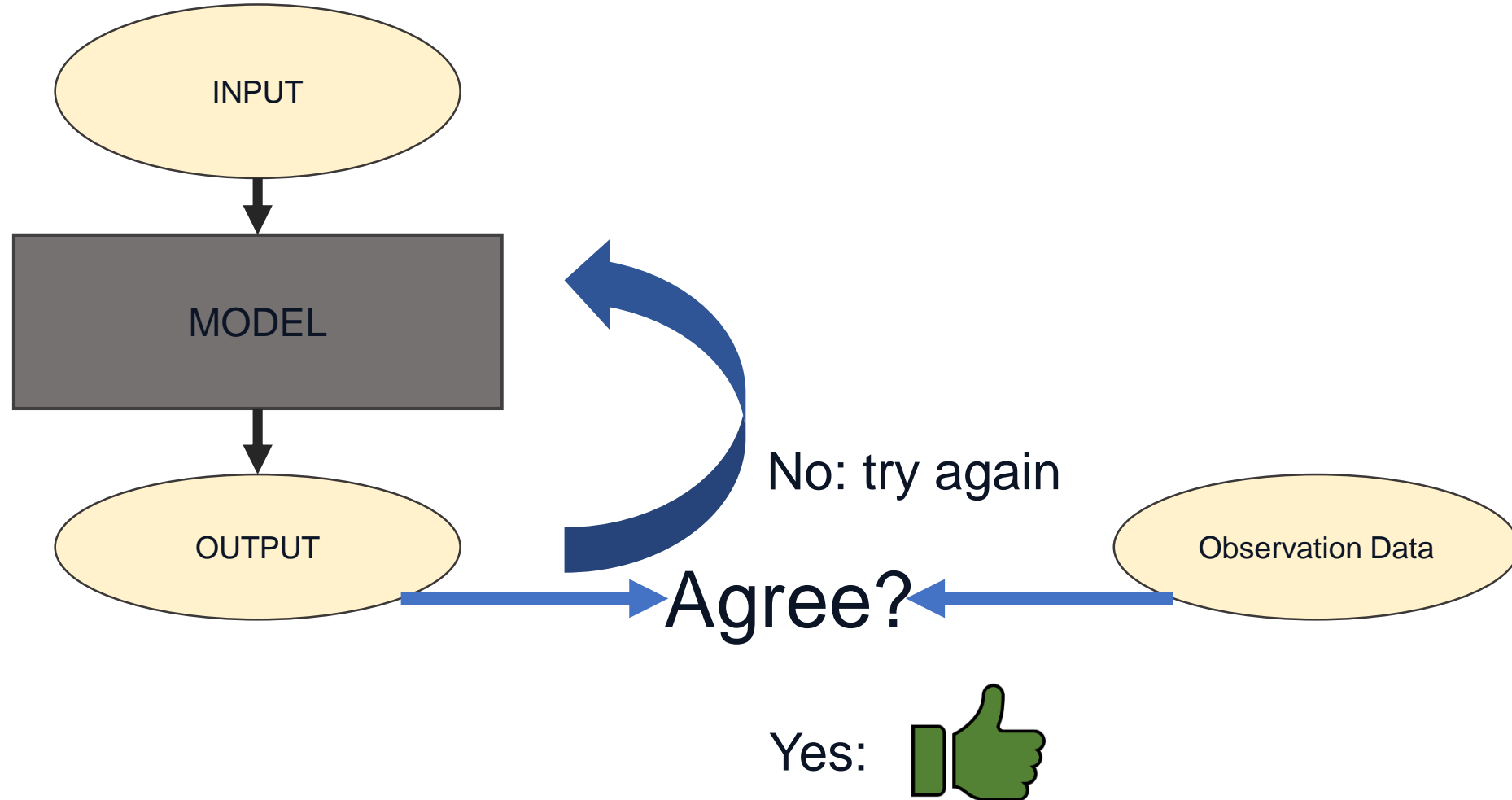
After Reilly (2001) TWRI 3,B8

Why?

'Reality Check'

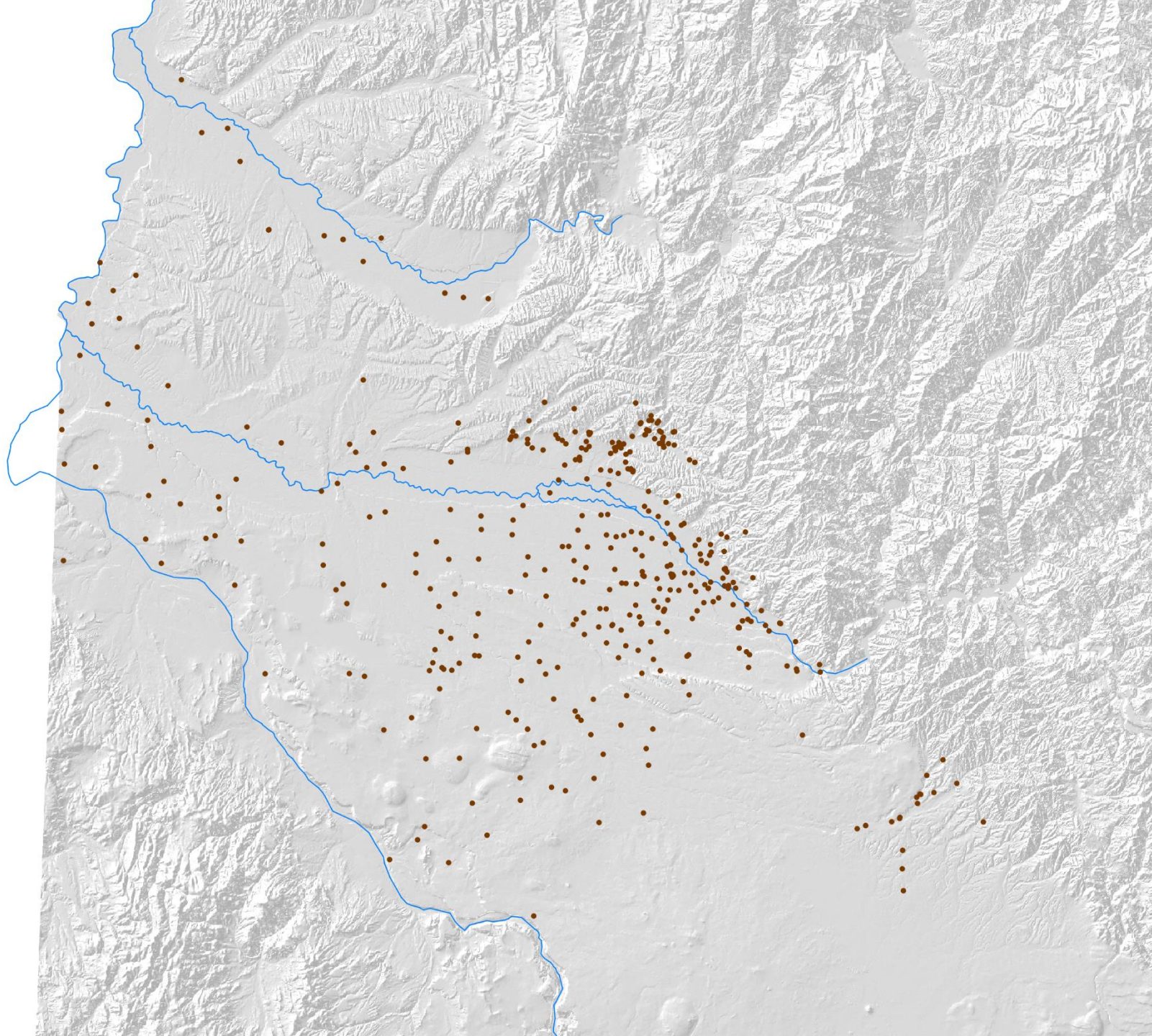
Observation data:

- *Not* for defining model structure
- *Not* for defining boundary conditions
- History-matching (calibration)

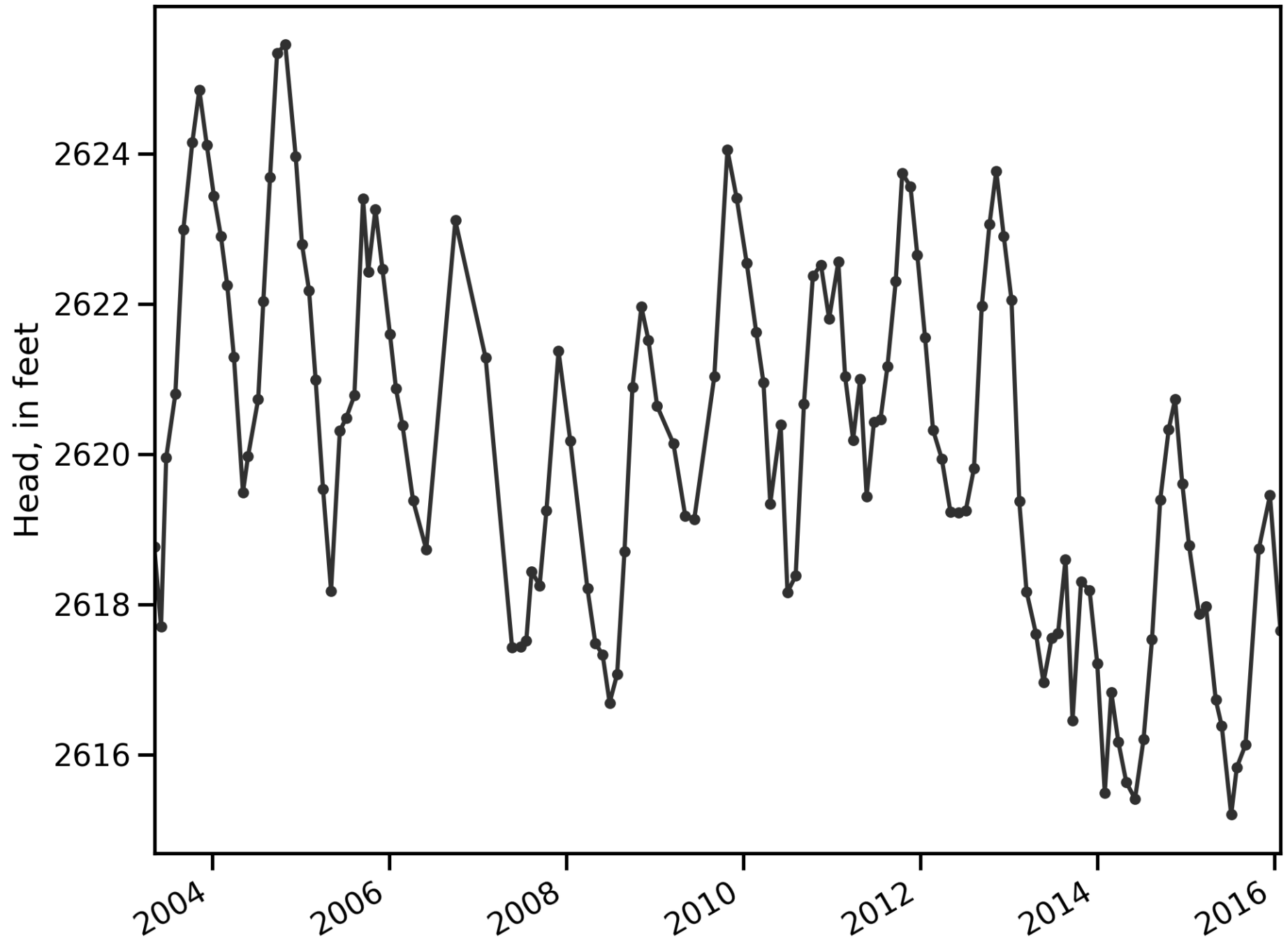


Hydraulic heads

Hydraulic heads

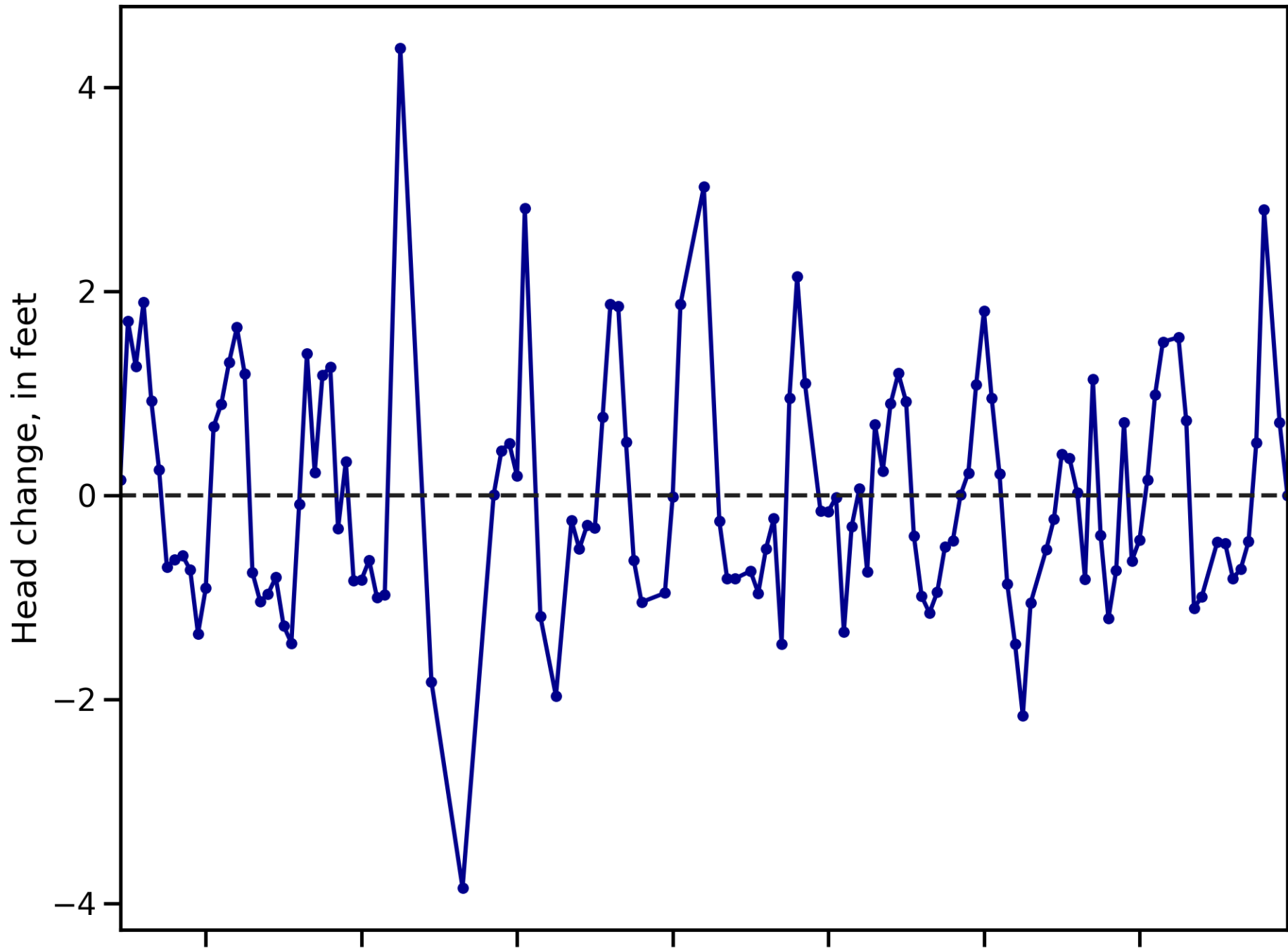


Hydraulic heads

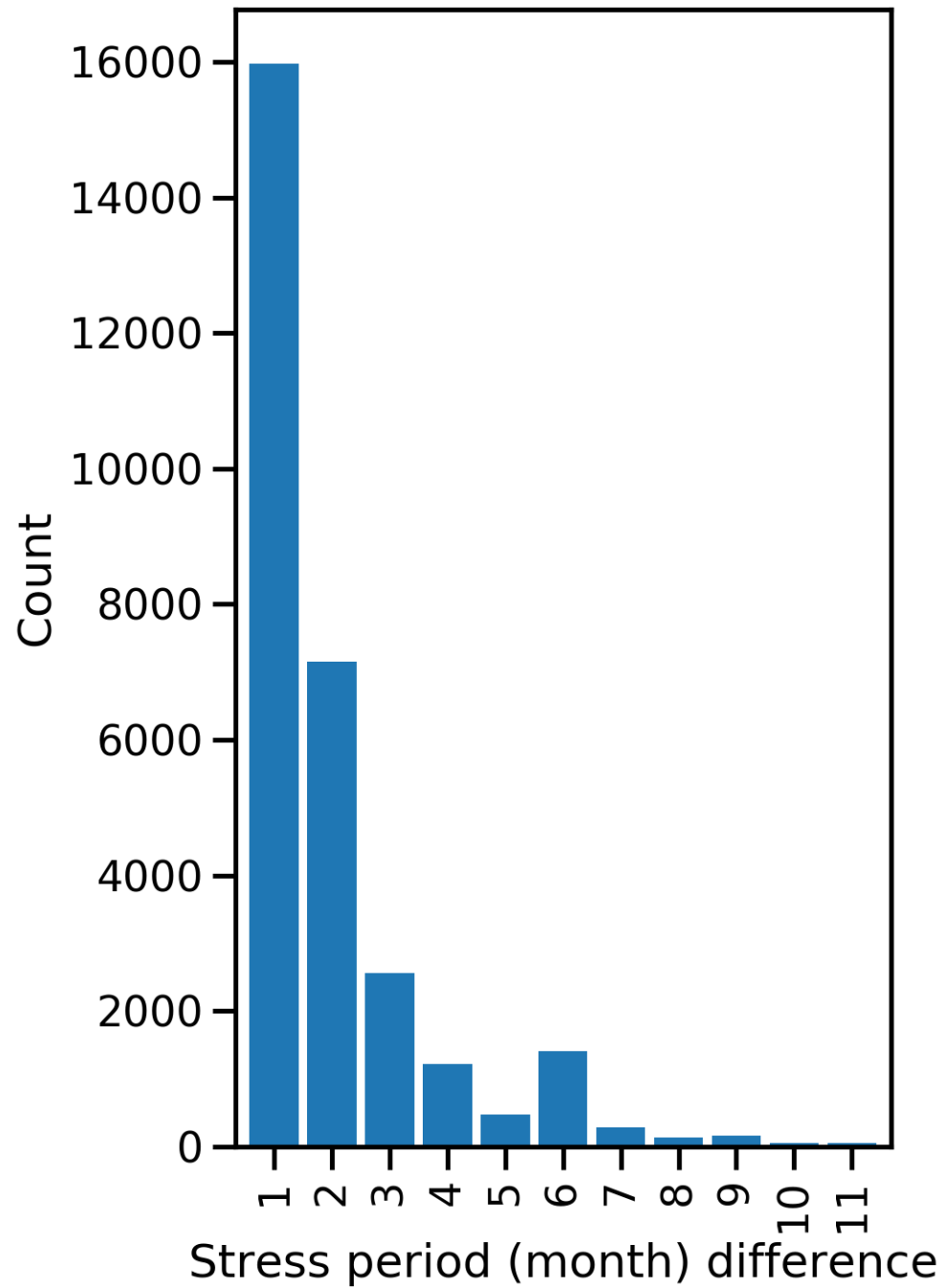


Temporal head differences

Temporal differences in heads

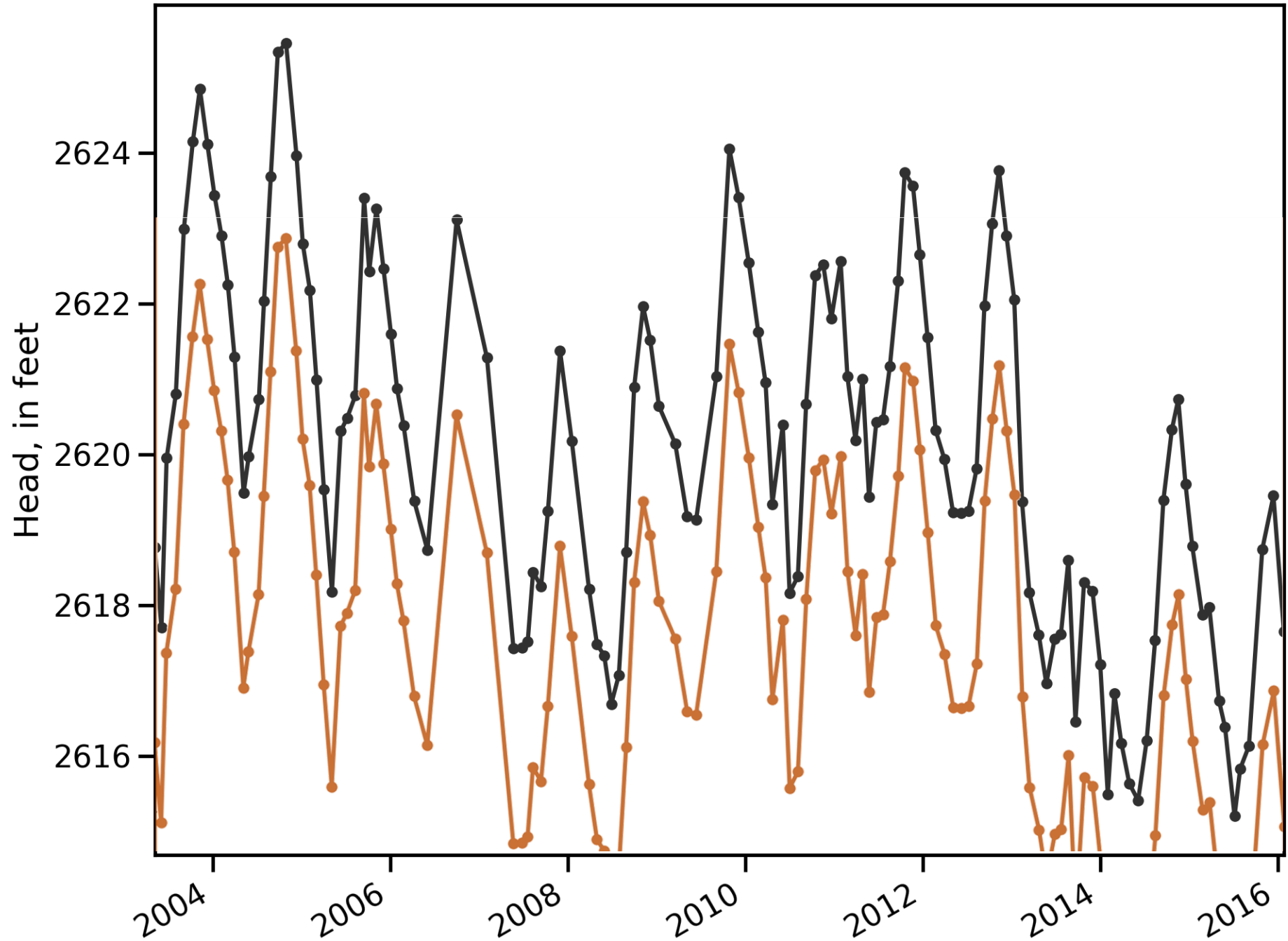


Temporal differences in heads

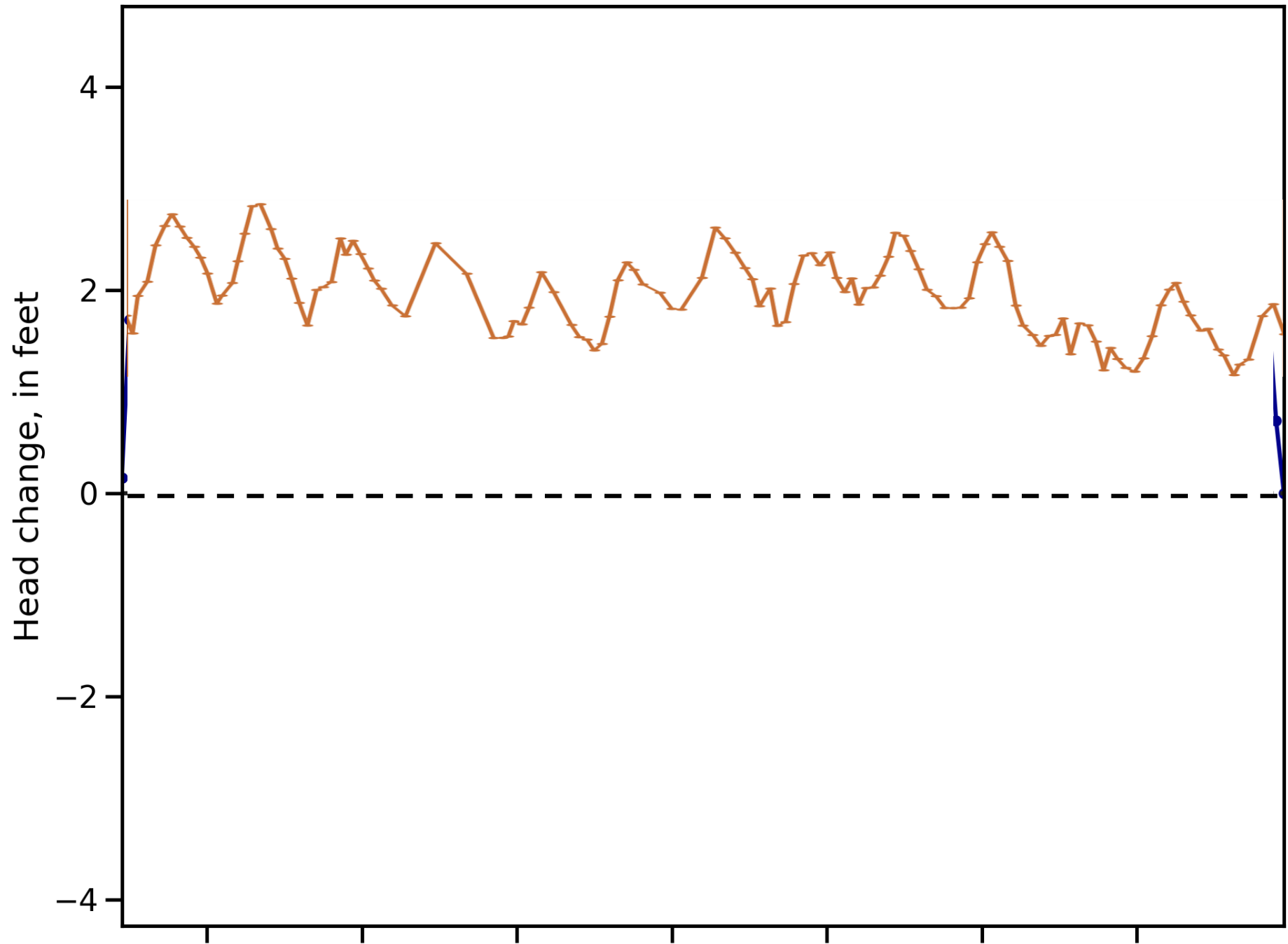


Vertical head differences

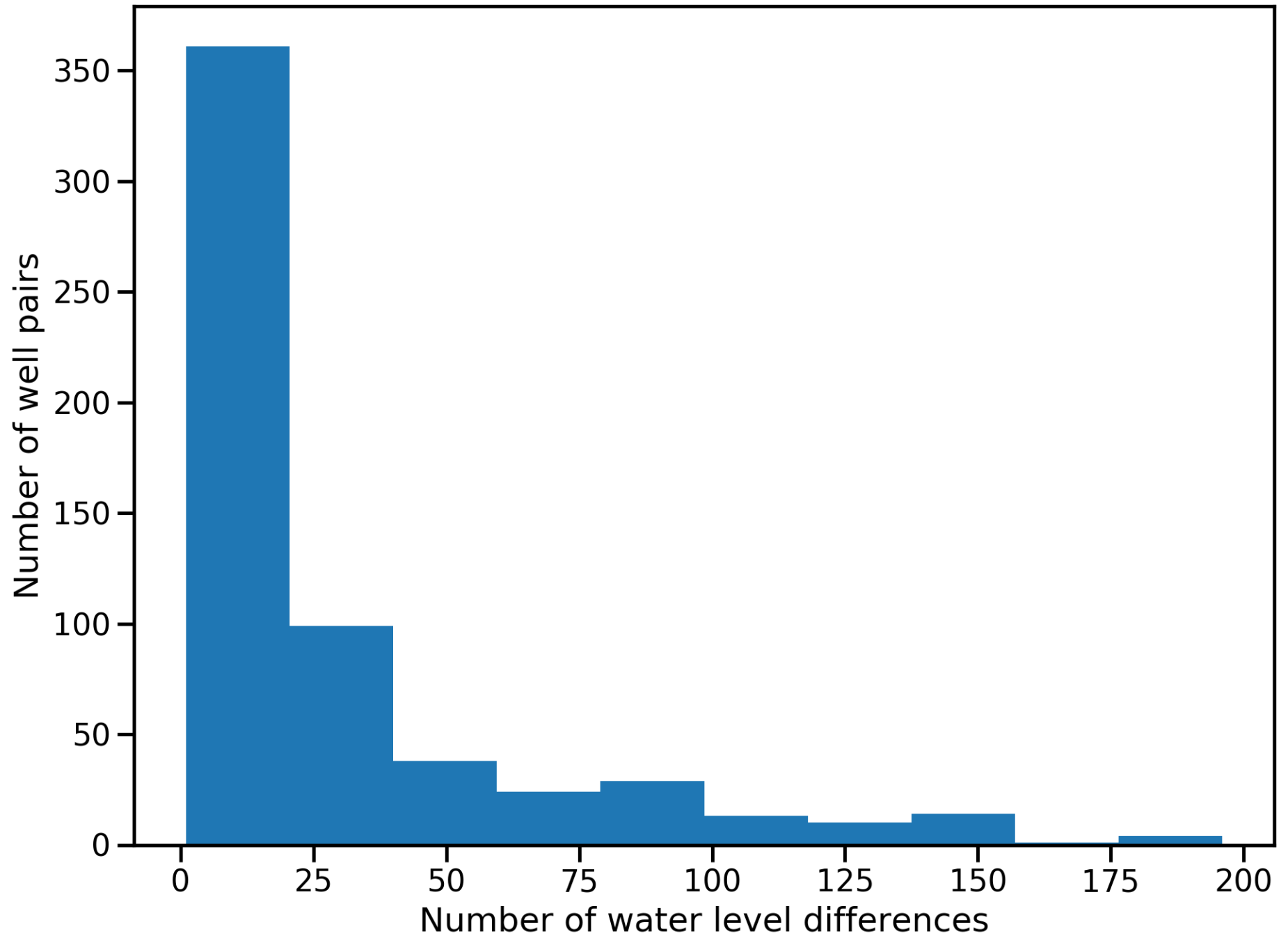
Vertical head difference



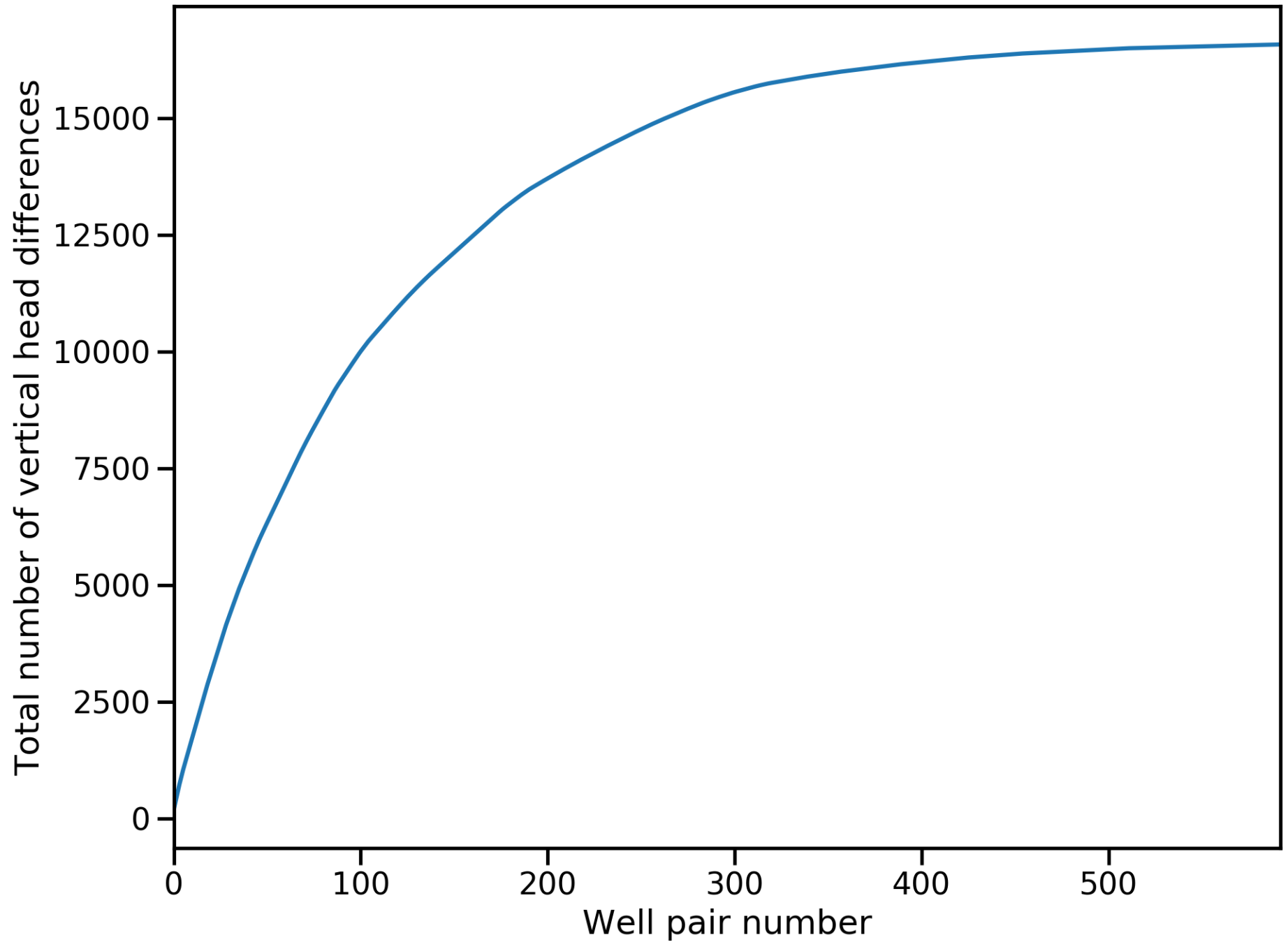
Vertical head difference



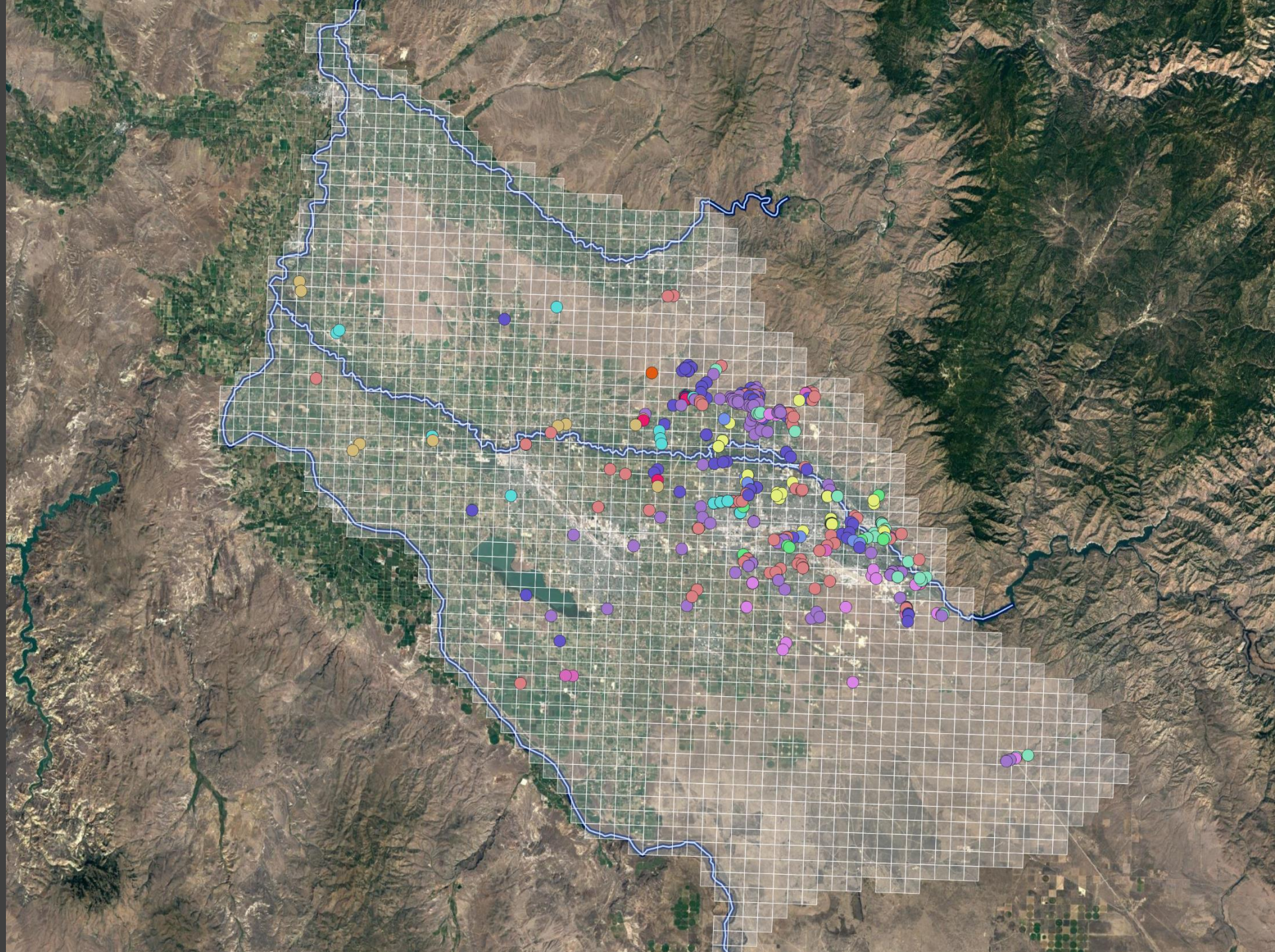
Vertical differences in heads



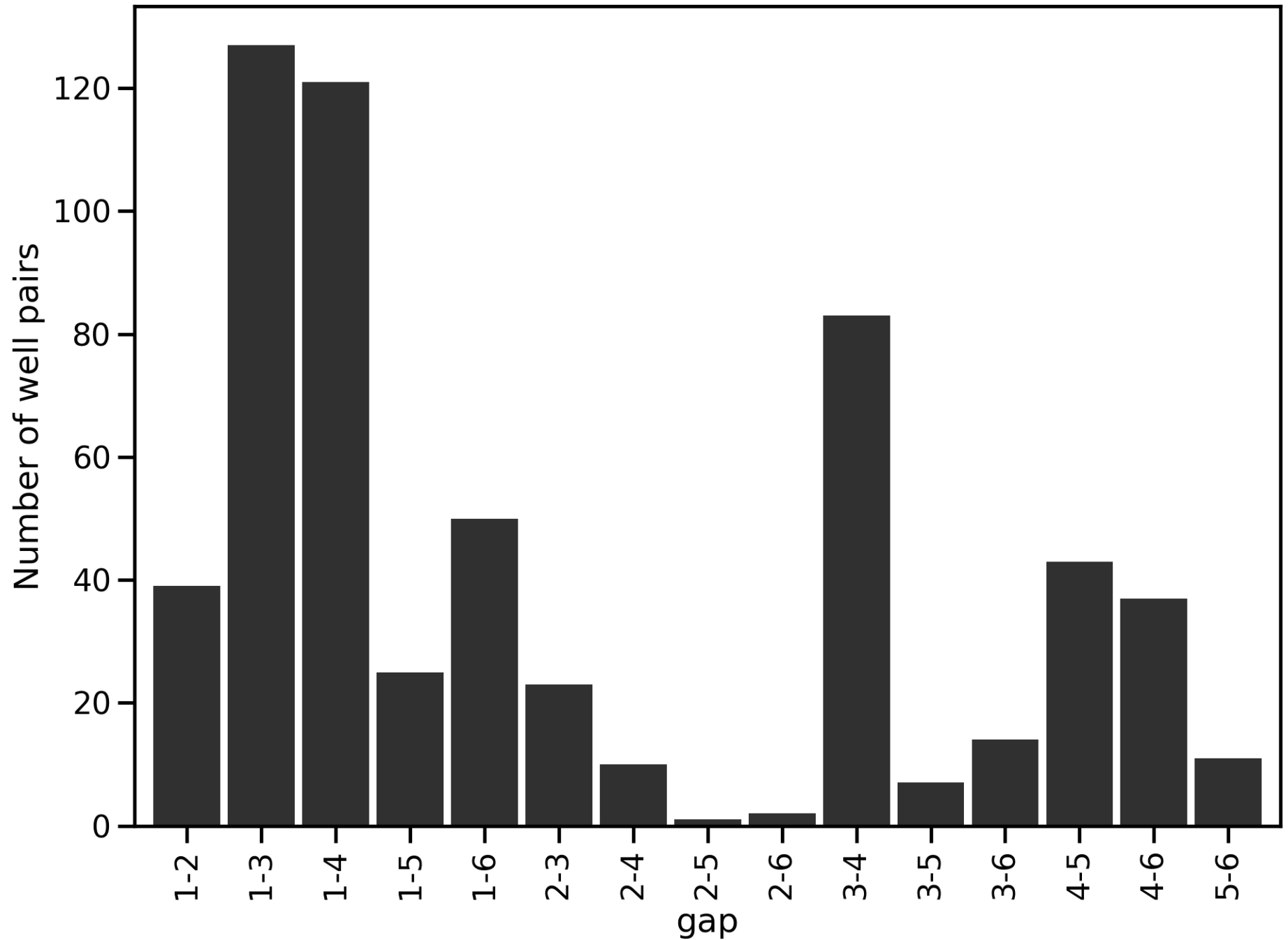
Vertical differences in heads



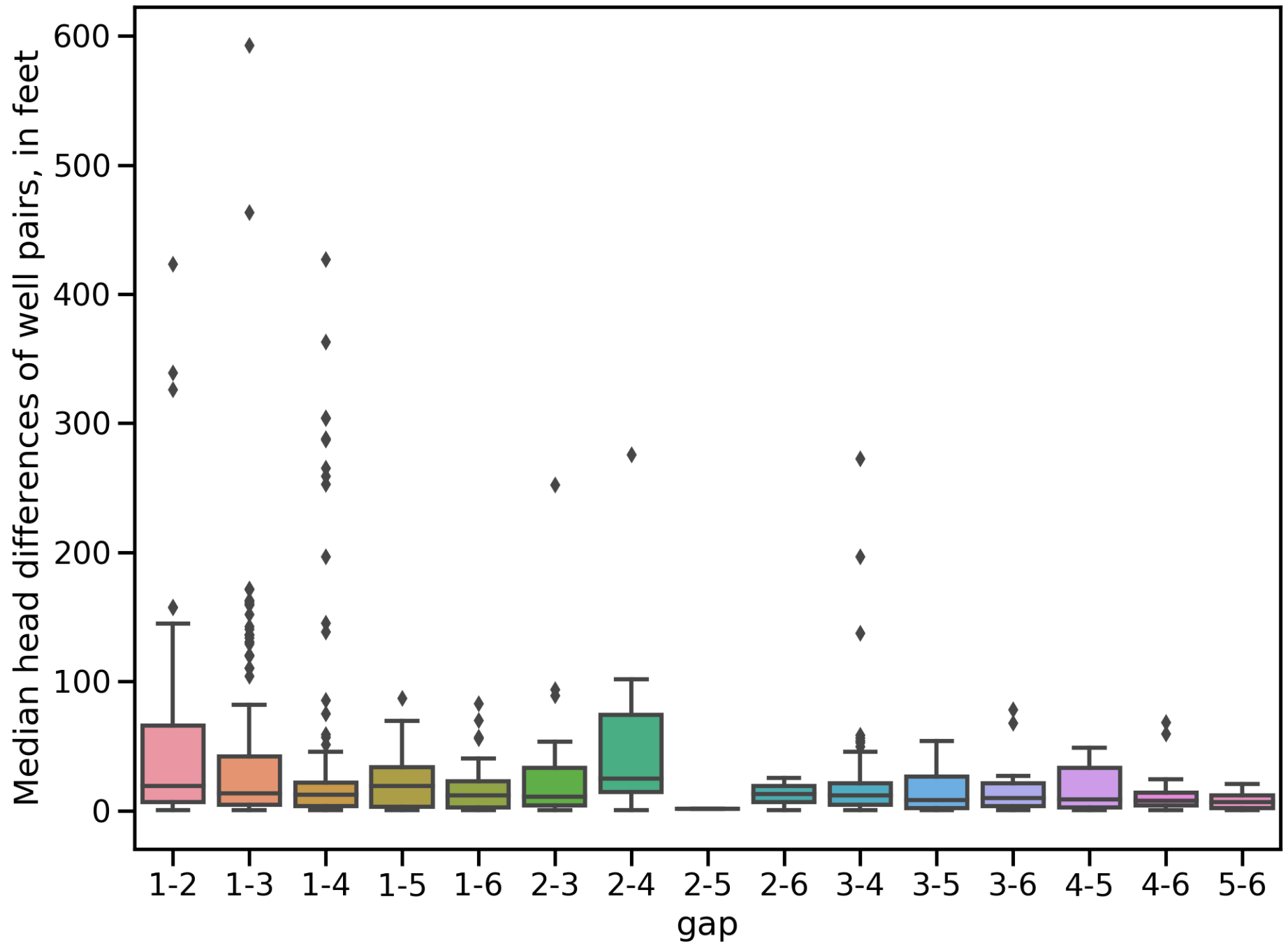
Vertical differences in heads



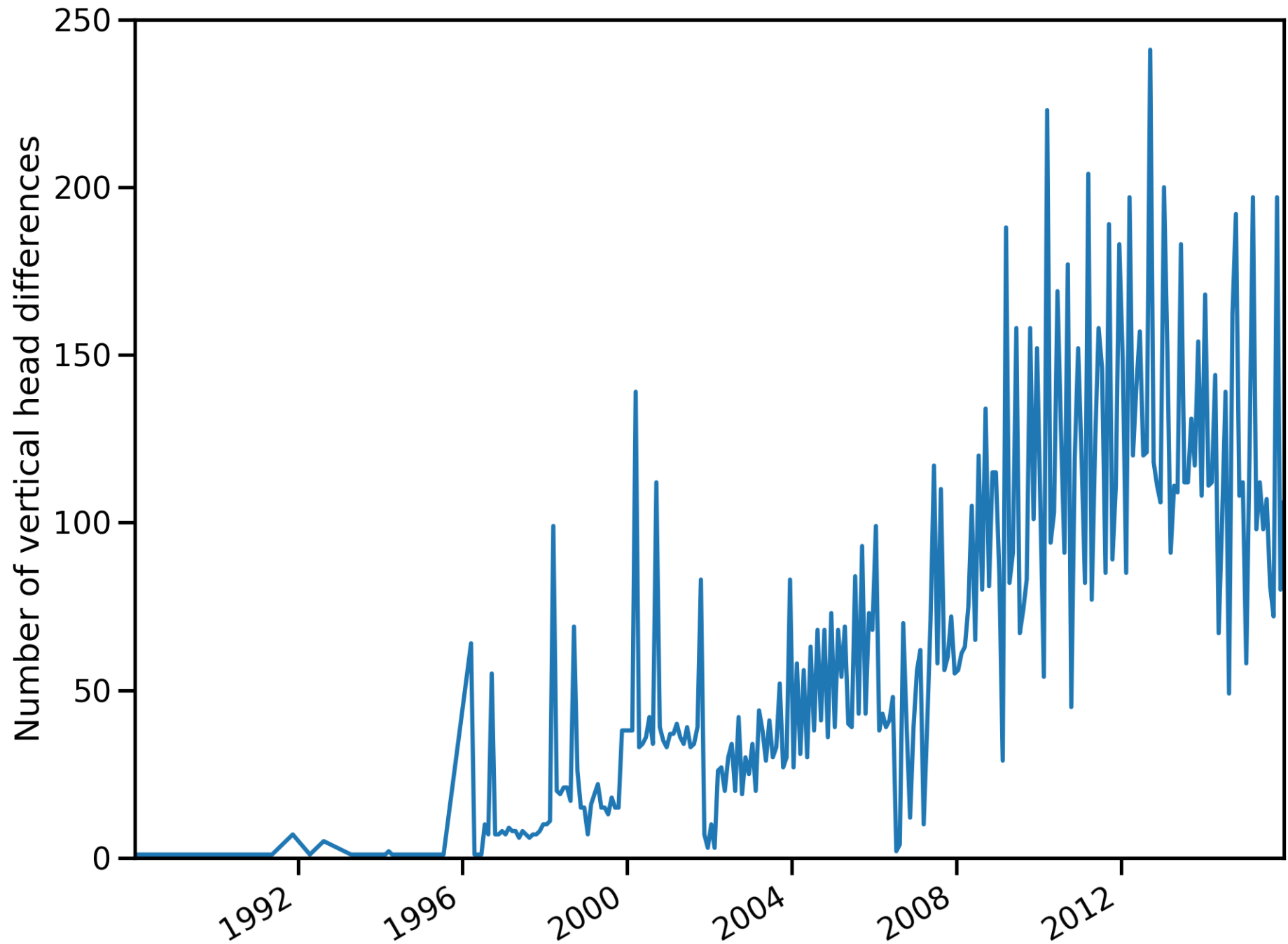
Vertical differences in heads



Vertical differences in heads

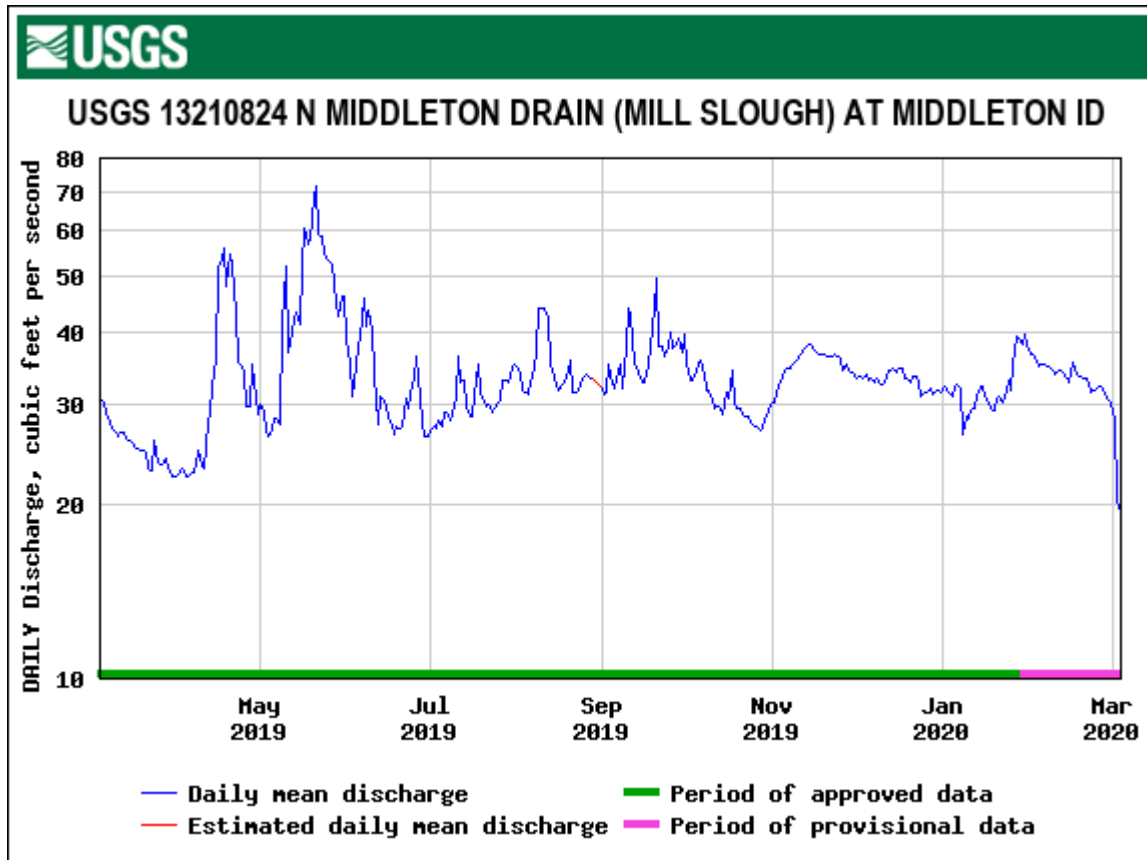


Vertical differences in heads



Drain Flux

Drain discharge

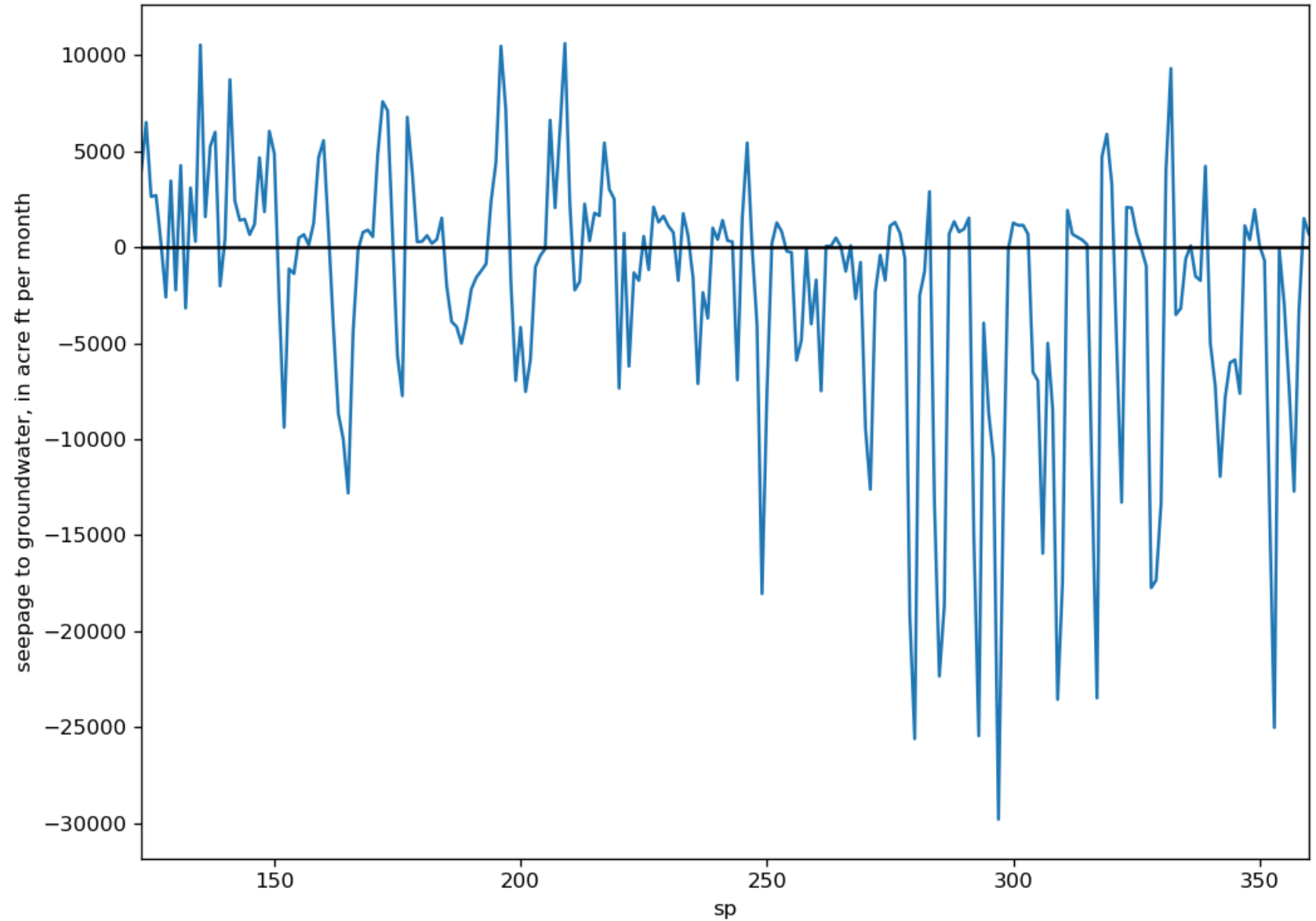


Lake Lowell Flux

Lowell Seepage

Lake Lowell water budgets from Boise Project BOC

ET and seepage were lumped
– ET calculated from water area and met data
- Seepage



Others?

Others??

Calibration is
iterative process

May add others if
needed

River fluxes

Temporal differencing flux observations

Spatial differencing flux observations

Longer term trends

Thanks for listening!