Model Calibration Update

Stephen Hundt



Concerns from last time



'Wall' of low hk around Snake River



Extreme parameter values in SE Boise





Better performance around Lowell / NY Canal / Indian Creek





Better vertical head diffs



Changes

Changes since last time

Snake River

- Boundary changed from CHD to RIV

Drains

- Indian creek weights increased
- Added temporal difference targets
- Split drain areas into two parameter value zones for Indian Creek, Dixie, and Snake River south of Boise River

Lake Lowell

- Added temporal difference targets
- Lowered weights

Canal Leakage:

- (Just) Fixed error in canal leakage distribution for grouped

Water level observations

- Zero-weighted a few anomalous wells along Snake River SW of Lowell
- Zero-weighted a few anomalous wells SE Boise

ET

- Added a factor to +- ET up to 10% in large groundwater-sourced irrigation district SW of Lowell (where Clarence pointed out unusually high values)

Status

Science for a changing world

Thoughts? Questions?

Next steps and publication timeline

Stephen Hundt

From here...

Approx Timeline		Tasks
Mid January	0	Complete modelling
Late January	0	Have one last MTAC
February	0	Complete draft of report
March – summer? cooperato courtesy review	?0 r	 USGS Publication process Center review Peer review Editorial review and layout Bureau approval Publication & release to public and IDWR

• Always available for questions (I'm not going anywhere)

 $\circ~$ IDWR has the model

