

Upper Grande Ronde PBP: Approach for Characterizing Groundwater Supply



OWRD – presentation at UGR Stakeholder Meeting
September 19th, 2018



Goals

- **Respond to stakeholder comments from Step 3 review regarding groundwater**
- **Suggestions for path forward**
 - Step 2 and 3 reports
 - October meeting
 - Suggestion for Step 4



Step 3 -> Groundwater Comments

Comments to Address:

- There are two main aquifers, not one groundwater supply
- Groundwater supply is a complex concept
- Suggest additional options for describing current and future supply
- Unclear if groundwater levels declining
- OWRD technical review continuing



Step 3 -> Groundwater Comments

Concerns to Address:

- **There are two main aquifers, not one groundwater supply**
- **Groundwater supply is a complex concept**
- **Need additional options for future supply**
- Unclear if groundwater levels declining
- OWRD technical review continuing



Proposed additional documentation

Step 2 Report:

- Add description of controls of groundwater
- Identification of gaps in current data/knowledge
- Description of future work

Step 3 Report:

- Contribute additional language/caveats for groundwater supply
- Describe gaps and suggest approach using future available data



Step 3 -> Groundwater Comments

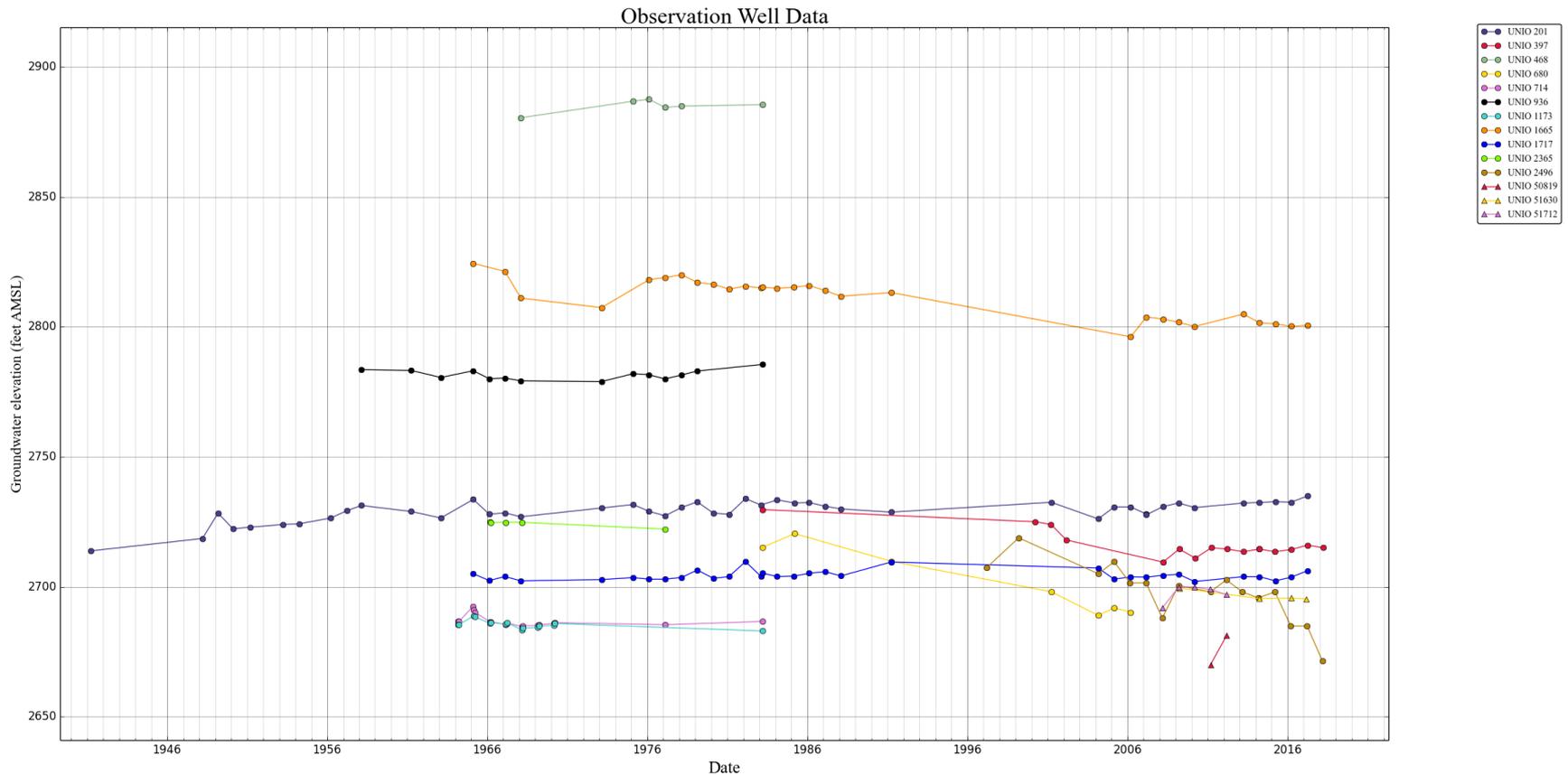
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- **Unclear if groundwater levels declining**
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Are groundwater levels declining?

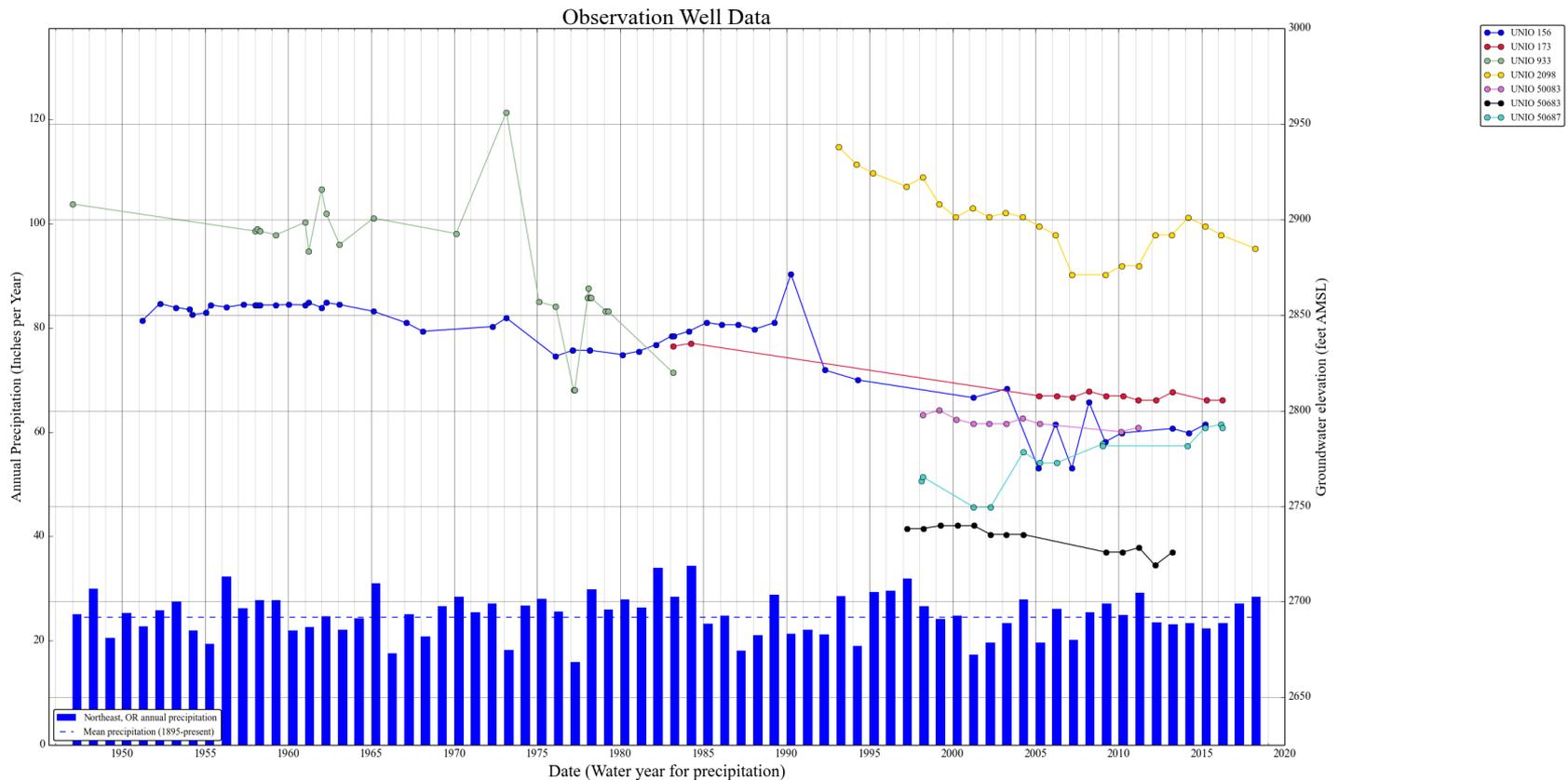
Alluvial Wells





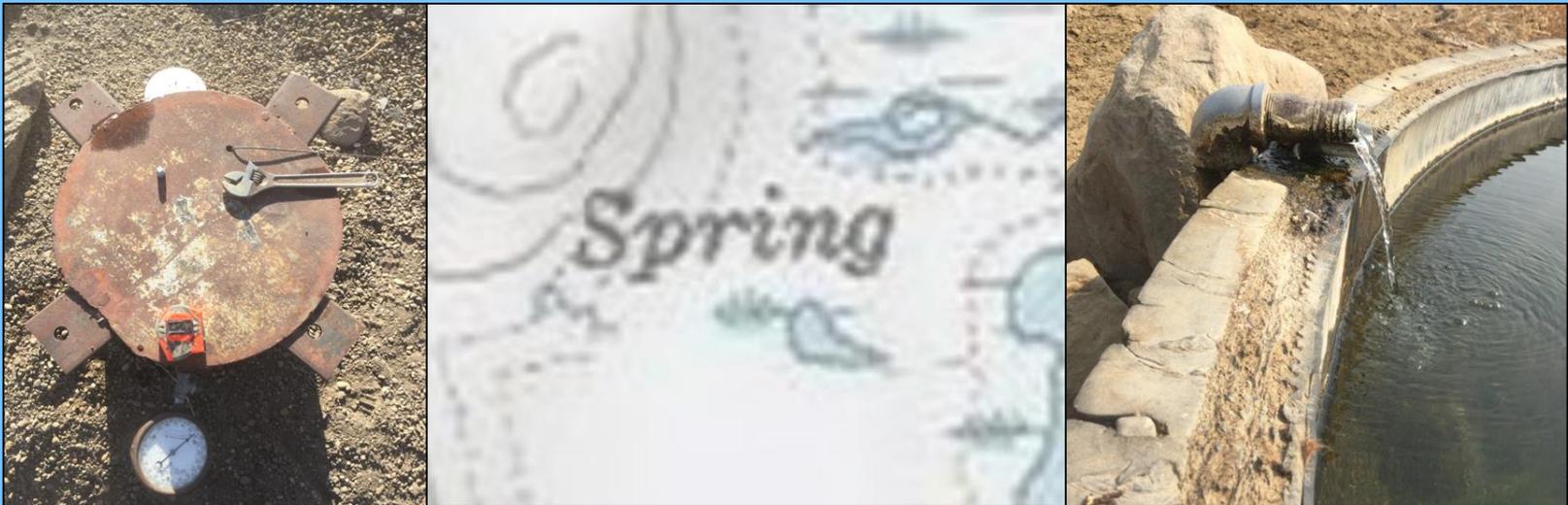
Are groundwater levels declining?

Basalt Wells



Step 4: Conduct Synoptic Measurements

- Consider adding “Development of citizen led groundwater level monitoring network” to help answer questions
- OWRD can provide guidance
- Harney example -> watershed council, trained staff, OWEB funds





Step 3 -> Groundwater Comments

Concerns to Address:

- There are two main aquifers, not one groundwater supply
- Groundwater supply is a complex concept
- Need additional options for future supply
- Unclear if groundwater levels declining
- **OWRD technical review continuing; propose October meeting to discuss content for groundwater section for Step 2 and/or 3 report**



Summary

- **Respond to stakeholder feedback from Step 3**
 - Developed approaches to better document groundwater supply (current and future)
 - Document information about declines in major aquifers
- **Take home:**
 - Suggest additional documentation for Step 2 and 3 reports
 - Recommend additional work key for improving understanding
 - Suggest solution for Step 4: setup of citizen-led water level monitoring