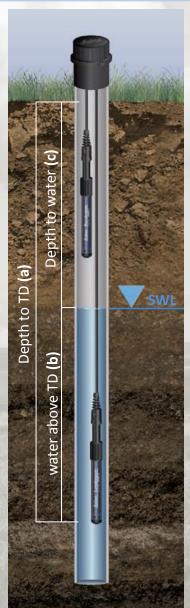
Harney Basin Recorder Well Network Harney Basin Groundwater Study **Advisory Committee Meeting April 20, 2017**



Recorder Well Installations

Solinst Levelogger & Barologger Transducers

- Levelogger set at known depth (a).
- Levelogger measures absolute pressure below the static water level (water column above transducer plus barometric pressure).
- Barologger measures absolute pressure above the static water level (barometric pressure).
- Levelogger Barologger = height of water column above transducer (b).
- a b = depth to water (c)
- Recorder data confirmed quarterly with manual e-tape measurements.



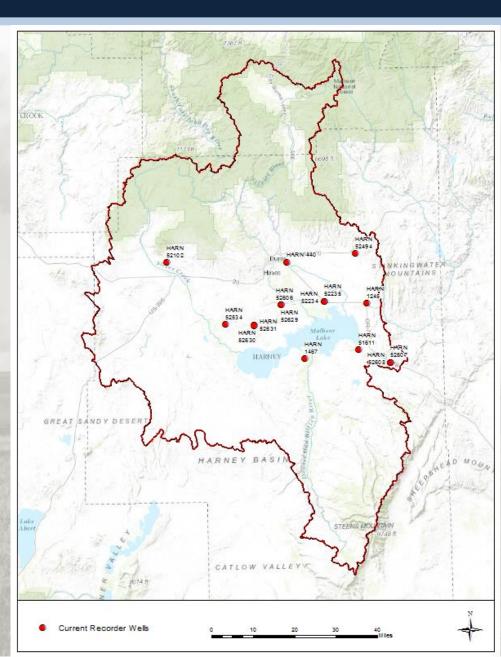




Harney Basin Recorder Network

Harney Basin Recorder Wells (as of 04-2017):

- HARN 440 miscellaneous recorder
- 2. HARN 1467 miscellaneous recorder
- 3. HARN 1245 miscellaneous recorder
- 4. HARN 51611 miscellaneous recorder
- 5. HARN 52102 permit condition obs well
- 6. HARN 52234 OWRD dedicated obs well pair
- 7. HARN 52235 OWRD dedicated obs well pair
- 8. HARN 52494 permit condition obs well
- 9. HARN 52534 permit condition obs well
- 10. HARN 52606 OWRD dedicated obs well pair
- 11. HARN 52607 OWRD dedicated obs well pair
- 12. HARN 52608 OWRD dedicated obs well pair
- 13. HARN 52629 OWRD dedicated obs well pair
- 14. HARN 52630 OWRD dedicated obs well pair
- 15. HARN 52631 OWRD dedicated obs well pair



Harney Basin Recorder Network

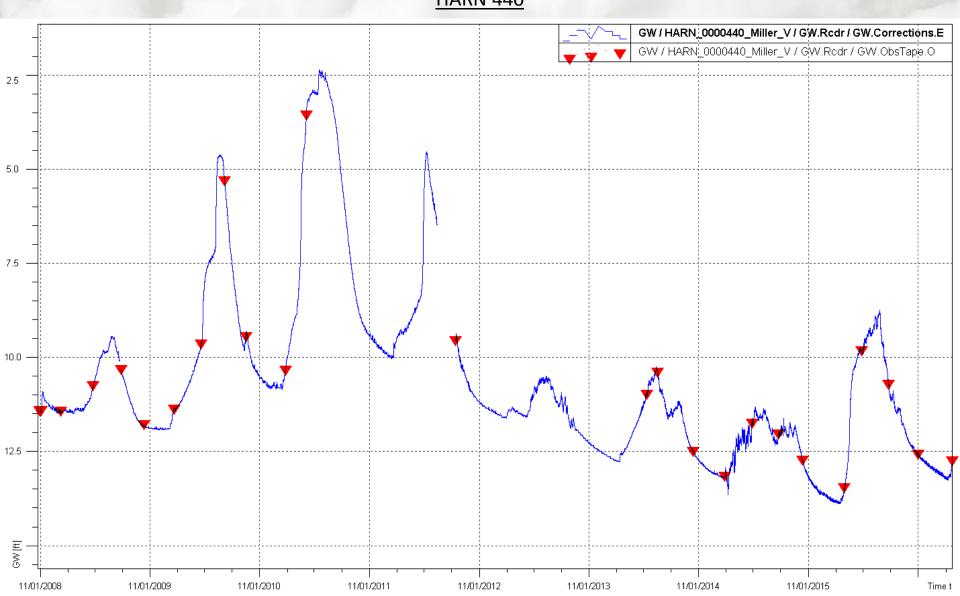
Recorder Well Status (as of 04-2017):

- 1. HARN 440 current: hydrograph below
- 2. HARN 1467 current: hydrograph below
- 3. HARN 1245 current: hydrograph below
- 4. HARN 51611 current: hydrograph below
- 5. HARN 52102 current: hydrograph below
- 6. HARN 52234 current: hydrograph below
- 7. HARN 52235 troubleshooting equipment problems partial hydrograph below
- 8. HARN 52494 current: hydrograph below
- 9. HARN 52534 current: hydrograph below
- 10. HARN 52606 current: short period of record not plotted below
- 11. HARN 52607 current: short period of record not plotted below
- 12. HARN 52608 current: short period of record not plotted below
- 13. HARN 52629 current: short period of record not plotted below
- 14. HARN 52630 current: short period of record not plotted below
- 15. HARN 52631 current: short period of record not plotted below

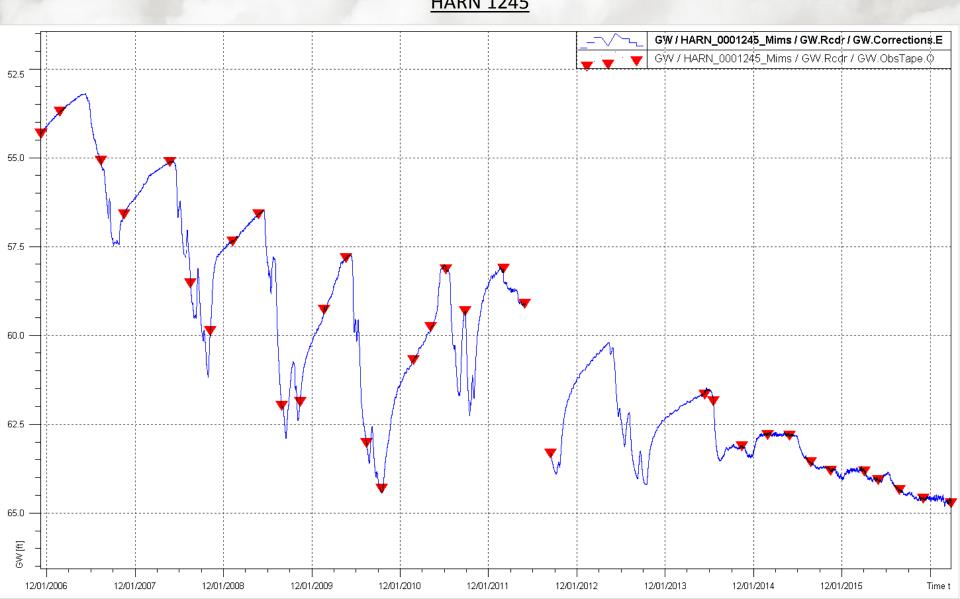
Harney Basin Recorder Network

All recorder data shown below is preliminary and subject to further review.

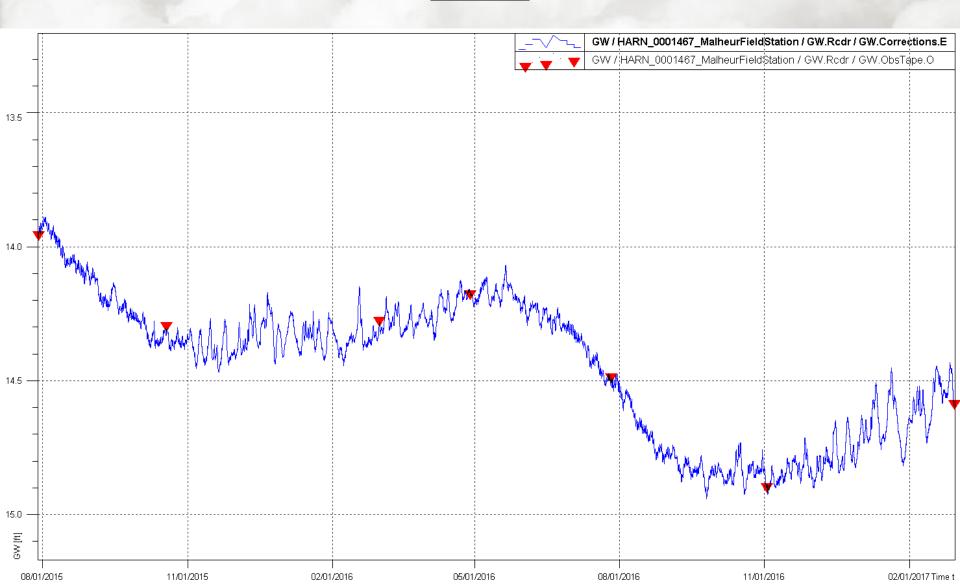




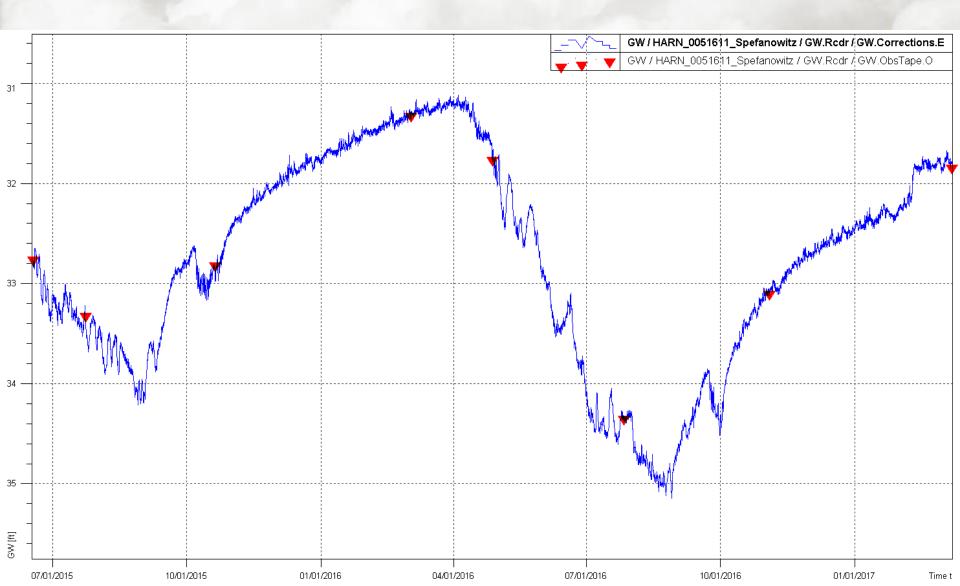




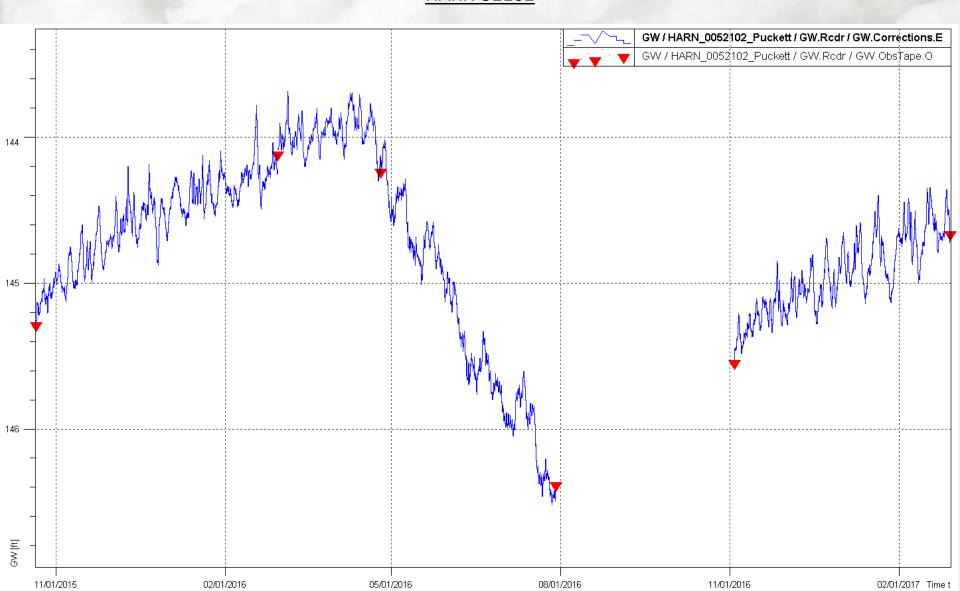


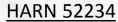


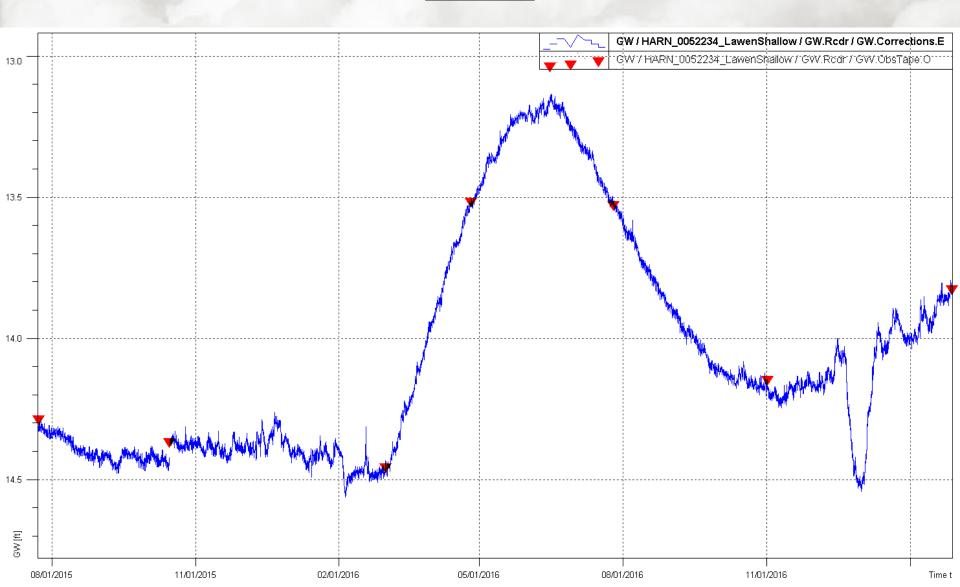




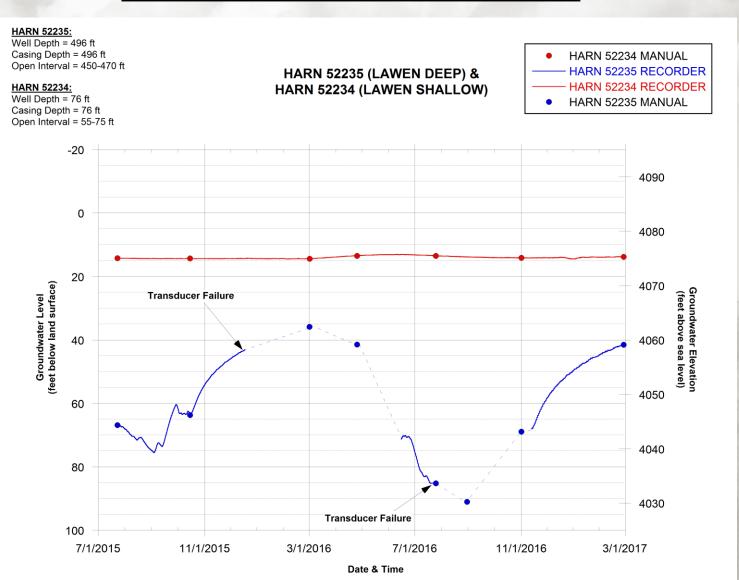


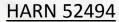


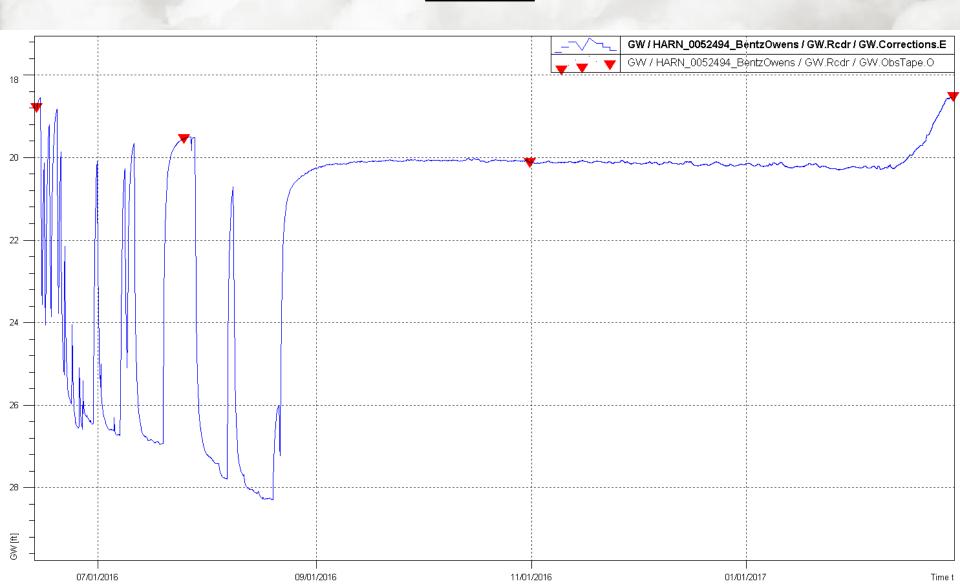




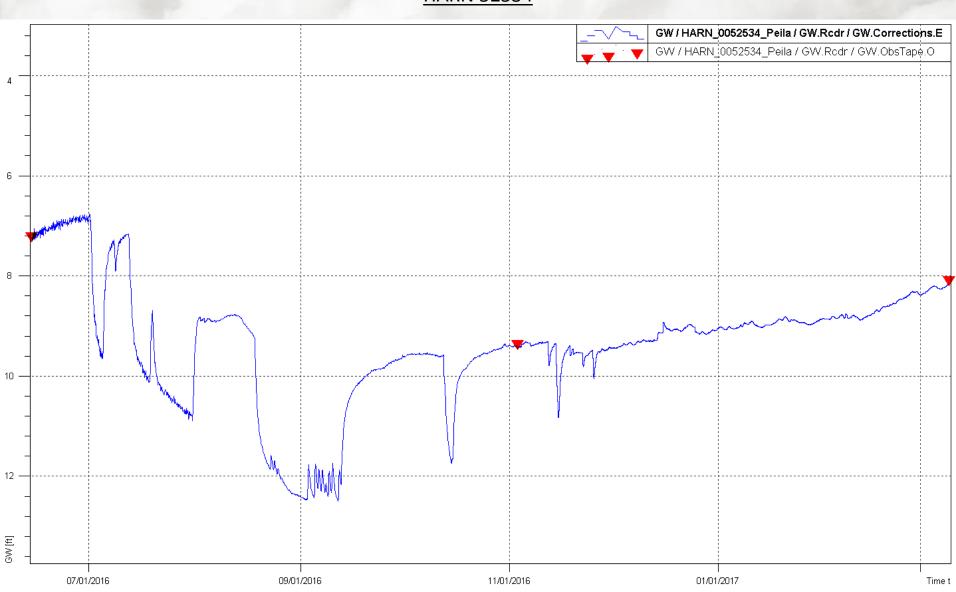
HARN 52234 & HARN 52235 (shallow/deep well pair)











Thank You

Questions?

Darrick E. Boschmann, RG | Hydrogeologist – Groundwater Section

Oregon Water Resources Department 725 Summer ST. NE., Suite A Salem OR 97301

| Phone: 503-986-0853 | Fax: 503-986-0902