

## Nebraska Ground Water Monitoring Council -- April 19, 2016 NDEQ Van Dorn facility, Lincoln

After introductions, the 18 attendees all gave a program update from their ground water interests.

- Dave Miesbach – NDEQ – annual Ground Water Monitoring Report (since 2001) on line at <http://deq.ne.gov/publica.nsf/PubsForm.xsp?documentId=8DE603FF6ACDF2C086257F1100578674&action=openDocument> . Discussion of ground water monitoring network.
- Karen Griffith – Olsson Assoc.– Natural Resources Commission meeting today, will announce Water Sustainability funding recipients soon. Hastings applied for ~\$4M+.
- Colleen Steele – UNL – Ag Chemical Clearinghouse Database has ~224K wells, ~474K analyses, ~116K nitrate analyses. 18 agencies have submitted data this year. Over 2500 ELIZA pesticide results in separate pesticide database.
- Kathleen Cameron – ENWRA-LPSNRD – ENRWA sampling, ELIZA and lab analysis, May 6 next meeting.
- Amanda Flynn – USGS – Papio NRD ground water sampling, working on updating monitoring wells for network.
- Laura Johnson – NDEQ – Integrated Report done, approval soon. Bazile GW Mgt Plan still being revised. Discussion of Isaac Walton League report.
- Lindsey Phillips – NDEQ – putting out new Source Water RFP, discussion of eligible applicants - <10,000 population, < 120% of state MHI.
- Sam Radford – NDEQ – WHP. New WHP temp, followed by another new temp. Looking to update WHPA maps, and plan requirements.
- Jim Newman - LLCoH – Nitrate results, what to do with them.
- Jennifer Swanson – NARD – Basin Tour June 13-14, Hastings, Recharge Lake (York), Ammo Depot, Lone Star and other recreation areas.
- Ginny McGuire – USGS – City of Lincoln water well sampling. 2<sup>nd</sup> round of national GW Database grants, they will apply for water level real-time observation wells to get into database.
- Ryan Chapman – NDEQ – working on Clean Water Act + Safe Drinking Water Act with Source Water grants funding Planning (Drinking Water Management Plan) and CWA Section 319 potentially funding on-the-ground projects.
- Dan Snow – UNL – funding for “know your well” with schools across the state. Get kids to sample wells, analyze in table top or field techniques and compare with lab results. New isotope machine/software at lab, more efficient, cheaper. Start running age dating samples soon.
- Dick Ehrman – LPSNRD – Vadose zone sampling, 25 old locations + go back to them now. Annual ground water report. Application for Water Sustainability grant for more AES –airborne electromagnetic survey in eastern part of district. 75 monitoring wells, 15 with pressure transducers, some going to real-time reporting. New wells in saline wetlands to pump salty water into wetlands to restore/preserve/retain, ~ 40K conductivity, ~ 2/3 salinity of sea water.

- Craig Romary – NDoA – pesticide program, certify applicators, buffer strip program, making use of pesticide table top ELIZA equipment. State Management Plan committee to meet at end of May. That committee makes recommendations to NDoA Director as to whether a pesticide specific plan is needed, i.e. atrazine.
- Larry Angle – LPNNRD – similar to LPSNRD, AES work. Interest in Special Quantity Subareas (SQS) for dropping water levels due to summer irrigation pumping. Working on Lower Platte River Basin Management Plan and voluntary IMP. 53 wells in state network, last year too wet to sample, got ~ ½ of them.
- Marty Link – NDEQ – Water programs at NDEQ divided to 2 Division, Water Permits Div. and Water Quality Div.

Dr. Dan Snow gave a presentation on “Chasing Nitrate in the Vadose Zone” Slides on this website. <http://deq.ne.gov/NDEQProg.nsf/OnWeb/GWSWMC>