

1. Introductions/previous meeting recap
  - a. Vulnerability assessments depend on exposure, sensitivity, and adaptive capacity.
  - a. Mitigation, preparedness, and prediction
2. Current meeting overview
  - a. Agenda, meeting
3. Drought Forums
  - a. Will send out invitation after meeting for those seeking more in depth information on drought planning and purposes.
  - b. Have links to publications and visuals for drought in the United States, other countries.
  - c. Includes presentations on drought mitigation and resilience.
  - d. Maybe less of a conversation piece, but resource piece? If you have things you would like to add please send them to me.
4. Who are we missing at the table?
  - a. Important to keep in mind all entities/stakeholders that play a role/exist
  - b. Already good representation from the Upper Jeff, the Lower, Jeff, and tributaries including South Boulder and Willow Creek could learn from us.
  - c. Stakeholders can include folks from tourism, rancher, watershed groups, municipalities, angular, outfitting and floating groups.
  - d. Jefferson River needs from NDRP projects:
    - i. Upper- drought planning tools, drought forecasting, soil moisture monitoring, increasing snowpack and precip monitoring, forest management for water supply
    - ii. Lower- community engagement on drought, increased knowledge of soil health benefits, documentation, monitor, access drought conditions, preserve community priorities.
    - iii. Do these conditions still stand true? What can be added?
5. Groundwater interests
  - a. What type of things will this tell us?
  - b. How can we promote this data among stakeholders and user groups who have useful information about their properties?
  - c. Study in the Boulder River Valley and results.
6. Watershed resources and climate data resources

- a. Wiki-watershed, land cover, soil infiltration including hydrologic soil groups, animal abundances
  - b. NRCS Snotel stations, USGS long term stream monitoring stations
  - c. U.S Drought monitor map updated each week + SWSI
  - d. NRCS Basin outlook reports published January-June each year
  - e. Climate data explorer graphs help tell Jefferson story
  - f. Alex Leone graduate study and results
    - i. Increase water storage, amend JRWC drought management plan, water leasing for instream rights, tributary enhancement projects, irrigation conversion.
7. Specifics and suggestions for future speakers
- a. Previous interests included water rights, upland and lowland connectivity, ditch usage and effect, irrigation efficiencies, groundwater data.
8. Using resources and speaker information toward impacts
- a. Applying this information is tough because very broad but gives us a glimpse of the workings in the watershed.
  - b. As stated before you want to focus on 3-5 vulnerability areas
  - c. These vulnerability areas may vary season to season on top of being seasonal.
  - d. Vulnerability factors: economics, technology, social relations, demographics and health, decision making in industry
9. Homework for February/March
- a. Look over anatomy of a drought plan.
  - b. Based on priority list, chose 1 that most affects you or your affiliation whether that by USGS, NRCS, TU.
  - c. Create a vulnerability assessment using the tree diagram shown with vulnerabilities highlighted in bold
10. Housekeeping:
- a. Montana State Water Summit- March 6-7th
    - i. Setting the Stage: Examining impacts to Montana's water quality and quantity from a changing climate and increased population growth and development.
    - ii. Panels on water policy, bridging gap between water quality and quantity, water use, water efficiency and conservation.
  - b. Meeting dates, doodle poll- likely with JRWC meeting- February 1st (2:30)