

## **Drought Resiliency for Jefferson County Agriculture (“Ag Drought Group”)**

Meeting #7 = Prioritize tools; agree on activities to move forward

Monday, May 1, 2023; 1-3pm

**Vision:** *Jefferson County agriculture will thrive by adapting successfully to drought, and will support its people, animals, economy, environment, and culture.*

**Group Mission:** *to help agriculture create a sustainable, livable future for Jefferson County by adapting successfully to drought with support from Deschutes Basin stakeholders. We promote innovative solutions to proactively improve watershed health and increase the effective management of water.*

### **I. Participants**

Albert Sikkens (Pratum)

Bill Atherton (landowner)

Brad Klann (JCSWCD Board & producer)

Collin Cowsill (NUID)

Craig Weigand (JCSWCD Board & producer)

Elaine Cornick (Culver citizen)

Ellen Hammond (JCSWCD)

Gen Hubert for Lisa Seales (DRC)

Lloyd Forman (JCSWCD Board & producer)

Maria Zamora Re (OSU Extension)

Mark Wunsch (County Commissioner & producer)

Mike Britton (NUID)

Scott Duggan (OSU Extension)

Scott Klopp (Helena)

Staci Merkt (JCSWCD)

Tom Osborne (BPA)

### **II. More Data (see end)**

### **III. Review Draft Matrix (results attached)**

- A. Ellen explained a few updates to tools since the last meeting.
- B. The Group reviewed the ratings given to ‘Current Implementation Status’, ‘Benefit Towards Vision’, and ‘Likelihood of Full Implementation’. They requested adding ‘0’ to the ratings for ‘None’; this resulted in the change of only a few rankings.
- C. The Group also reviewed the “Priority?” column and felt that it 1) basically reflected the priorities that had been suggested by the Group during the discussions, 2) identified priorities in each of the three major areas: water law, irrigated cropland/pasture, and rangeland, 3) needed a bit more review.
- D. The purpose of the “Implementation Lead” column is to identify the entity/person who would be the likely lead (sheepdog) to make sure the strategies needed to implement tools would get developed and followed through on. The Group made some edits to that column.

### **IV. Suggestions**

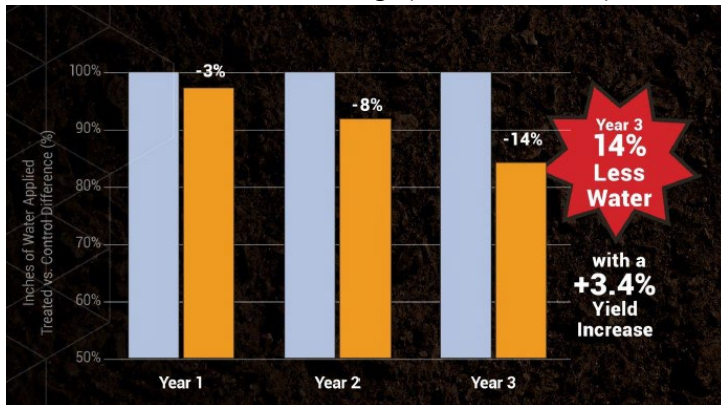
- A. Include Emelie McKain from OWRD
- B. Include Grasslands and BLM in Group.
- C. Make sure the agricultural regions are separated out in the matrix.
- D. Remember that there are 9000 irrigated acres outside of NUID.
- E. Provide more time for Group members to review and comment on the Matrix; deadline is this Friday.
- F. Ellen give a presentation to the County Commission for their support. She is scheduled for a brief overview on June 7 and as an agenda item on June 28. Mark Wunsch will help make this happen.
- G. Staci, Mike, and Elaine will review the draft Plan that is due to OWEB by June 30 and will also be provided to the County Commission.

### **V. Next meeting: June 5, location TBD**

Agenda: finalize draft matrix, decide on immediate priorities, work on the ‘Leads’, discuss the Plan document, and figure out how to move forward.

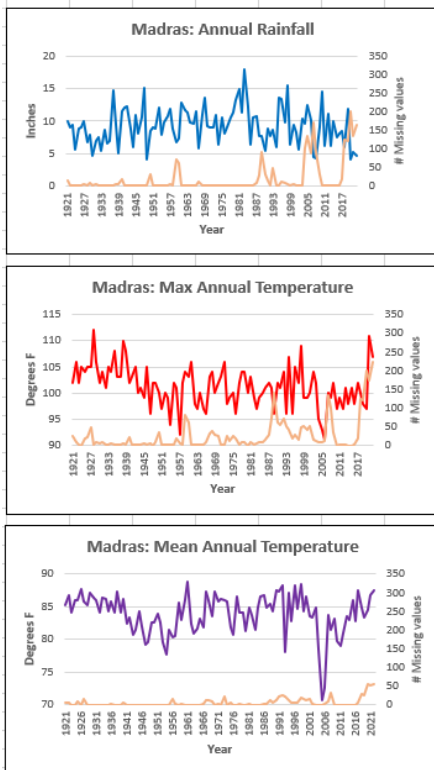
# DATA

## A. Humic Acid reduces water usage (data from Helena)

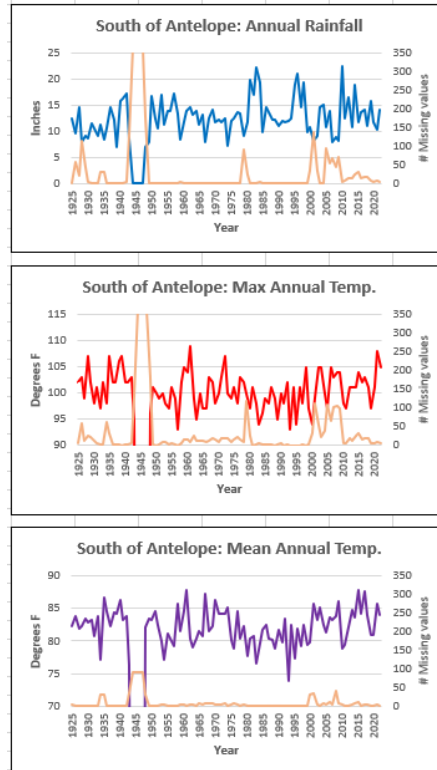


## B. Historical Climate Data from OSU State Climatologist (rainfall/temperature and missing values)

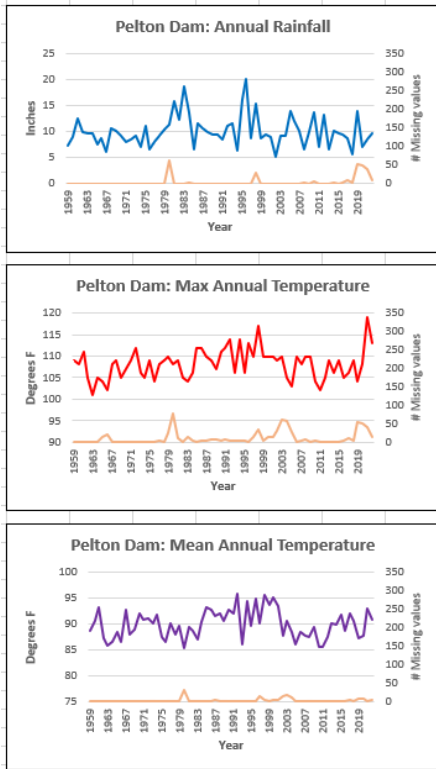
### 1. Madras (1921 – 2022)



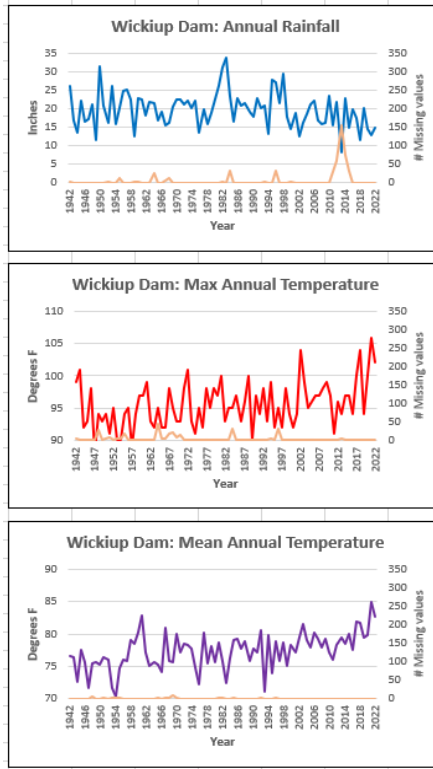
### 2. Antelope (1925 - 2022)



### 3. Pelton Dam (1959 – 2022)

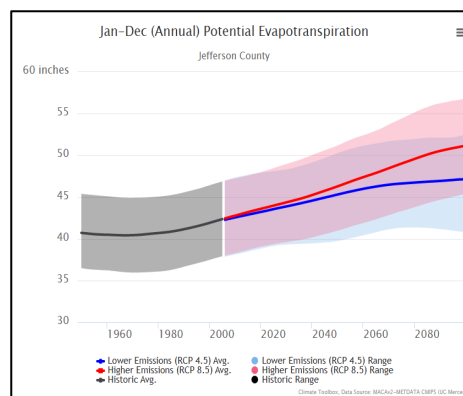
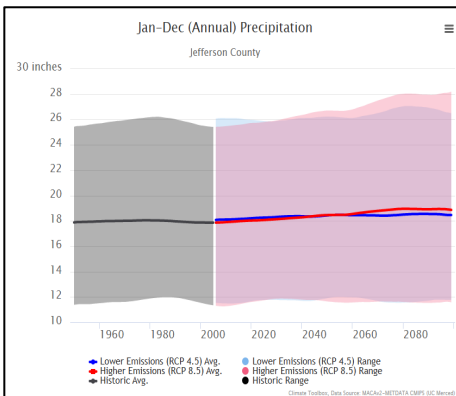
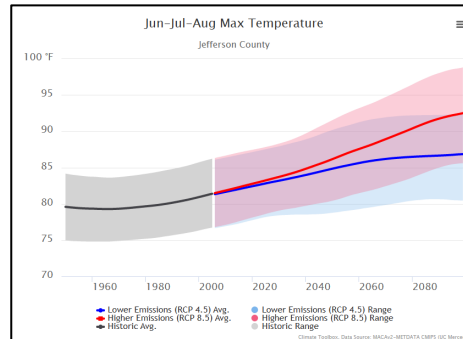
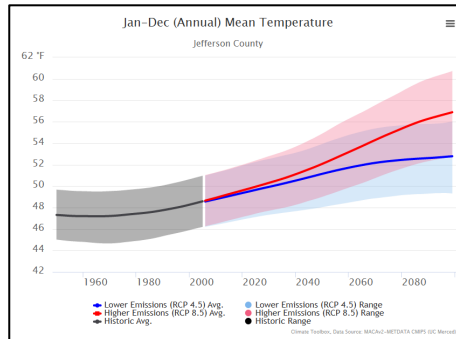


### 4. Wickiup Dam (1942 – 2022)



## C. Forecasting from Climate Toolbox: Climate through 2090 based on two levels of emissions

### 1. Jefferson County: temperature, precipitation, ET



## 2. Agency Plains

