



# ESPAM Model Validation Data Collection

ESHMC Meeting

October 27, 2011

Presented by Stacey Taylor

# Last Meeting

- Discussed what data was needed to be collected
- What was left to complete

# Water Budget Files Progress

## **TOTAL DIVERSIONS (DIV file)**

- Lots of data has been collected since last meeting
- Collected lots of watermaster reports and have that data summarized in the Diversion spreadsheet

*(SLIDE FROM LAST MEETING)*

## Entities Lacking Data for the DIV file

- We need 2010 data for most of the entities
- IESW029 (Mud Lake)
  - We need 2009 – 2010 water year (WY) data
- IESW032 (North Side 7)
  - We need 2008 – 2010 WY data for the Y-Waste
- IESW037 (Reno)
  - We need Reno Ditch Co. records for WY 2005, 2008-2010
- IESW040 (Southwest)
  - **In contact with the secretary for the canal company, but have yet to receive the “weekly” data**

2008

2009

2010 not yet available

2008

2009

2010

**Still need 2005 and found out we need more data for Perched River Seepage calculations**

*(SLIDE FROM LAST MEETING)*

- IESW052 (Private Basin 32 – WD 32C Medicine Lodge)
  - We need WY 2002 – 2004, 2009 – 2010
- IESW053 (Private Basin 33 – WD 33 Little Lost)
  - We need WY 2008 – 2010 data
- IESW057 (Bureau of Indian Affairs)
  - We need WY 2003 – 2008 data

**Watermaster reports (WD27)**

**For the rest of the summarizing needed for IESW057, we realized that we needed to do some checking on the BIA canals used for summarizing this entity. Since 2003-2008 is already averaged for ESPAM2.0, we decided to carry this forward for 2009-2010 with the intent to fix this for the next model version**

# Water Budget Files Progress (cont)

## **ET ON IRRIGATED LANDS (ETI file)**

- Received the 2011 Idaho Ag Statistics book and currently getting this data into spreadsheets
- Need to summarize data for the Crop Mix spreadsheet
- ET-Idaho data ends in 2008; need to explore Agri Met for analog years

## **NON-IRRIGATED RECHARGE (NIR file)**

- Necessary data in hand, just need the handy tools created by Bryce to summarize it

## **FIXED POINT PUMPING (FPT file)**

- Have 2009 and 2010 data to compile into the allotment sheet for the Mud Lake exchange wells
- Need to complete calculations for wetlands, urban/industrial calculations (wetlands data uses ET Idaho also)

# Water Budget Files Progress (cont)

## **OFFSITE PUMPING (OFF file)**

- Need ET Idaho data for this one as well (may be using AgriMet)

## **PERCHED RIVER SEEPAGE (PCH file)**

- Still “Almost complete!”
- Need to make some phone calls to check on some data

## **PRECIPITATION (PRE file)**

- This time we ran the ESPAM tools to collect the rasters of this; 2008-2010 rasters are complete

## **TRIBUTARY UNDERFLOW (TRB file)**

- 2009-2010 estimations completed

# Water Budget Files Progress (cont)

**For all water budget files, the official model file (ex: \*.TRB, \*.CEL, \*.SOL files, etc.) needs to be created using the ESPAM tools**

# Additional Task

## River File

- Still working on updating the river cells with river gage heights and reservoir stage heights

Questions?