



Reviewing ESPAM2.0 Data for Errors

ESHMC Meeting

November 9, 2012

Presented by Stacey Taylor

Diversion Changes

Recharge Component	Average Annual Volume in ESPAM2.0 pre-PEST input data set (AF/yr)	Average Annual Volume in revised pre-PEST input data set (AF/yr)
IESW008 (Blaine) diversions	10,127	10,167
IESW053 (Howe) diversions	16,733	22,753
Exchange wells	-16,475	-16,812
Beaver Creek reach 2 seepage	17,328	17,123
Birch Creek Hydropower seepage	7,735	9,449
Little Lost seepage	22,929	23,300
Goose Creek tributary underflow	22,794	24,237
Other tributary underflow	877,950	878,791
Subtotal (other areas)	959,122	969,009
Net change (other areas)	+9,887	

Diversion Changes (cont.)

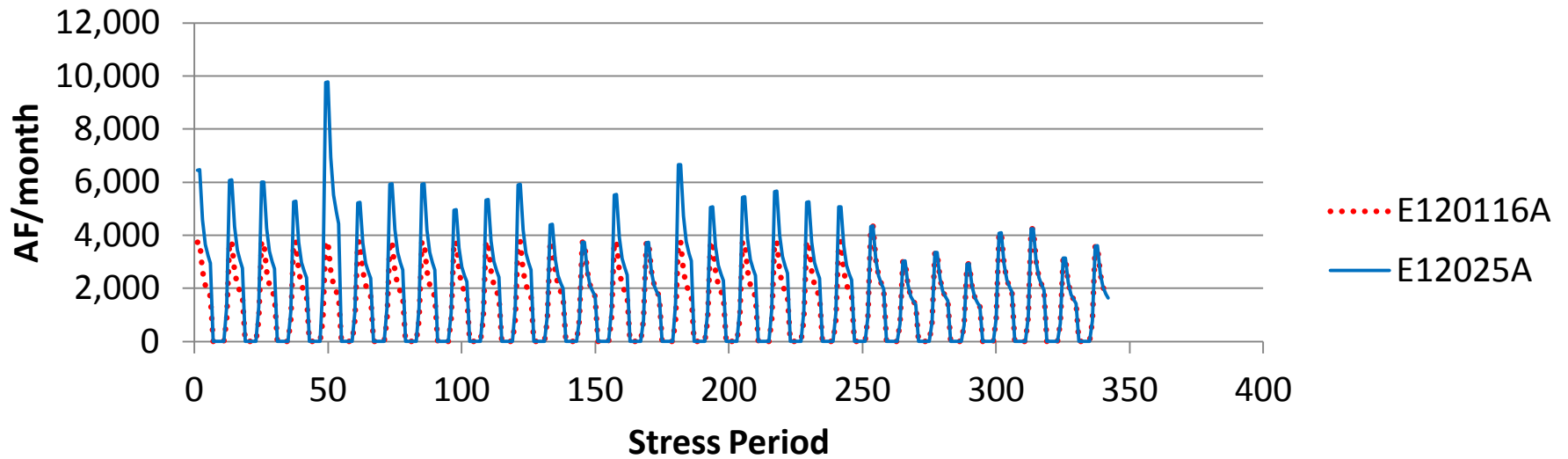
IESW053 (Little Lost – WD 33):

- Jennifer had spotted a difference in the 1980-2001 data relative to the data for 2002-2008. Here is the problem:
 - Average values were in place for 2001 and not replaced with actual data from watermaster reports
 - Values used from watermaster reports for 1980-2001 were not the same as what we were using for 2002-2008

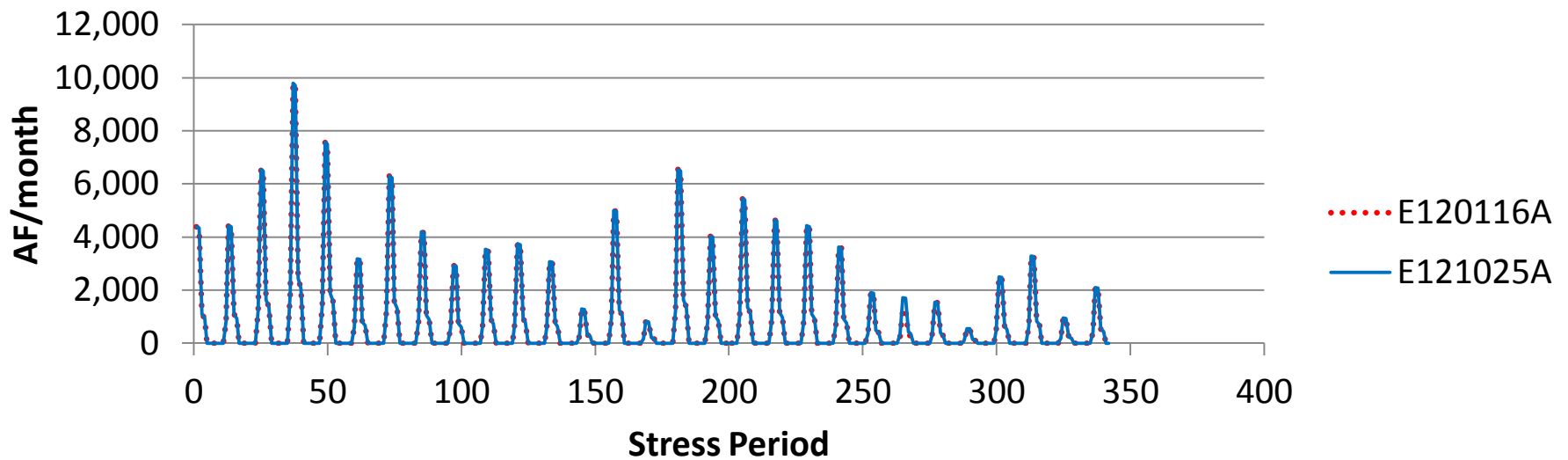
IESW008 (Blaine Co. Canal Company):

- Uses the same watermaster reports as IESW053
- Checked values and noticed that year 2002 still included averaged data (data did not match watermaster reports)

IESW053 Diversions



IESW008 Diversions



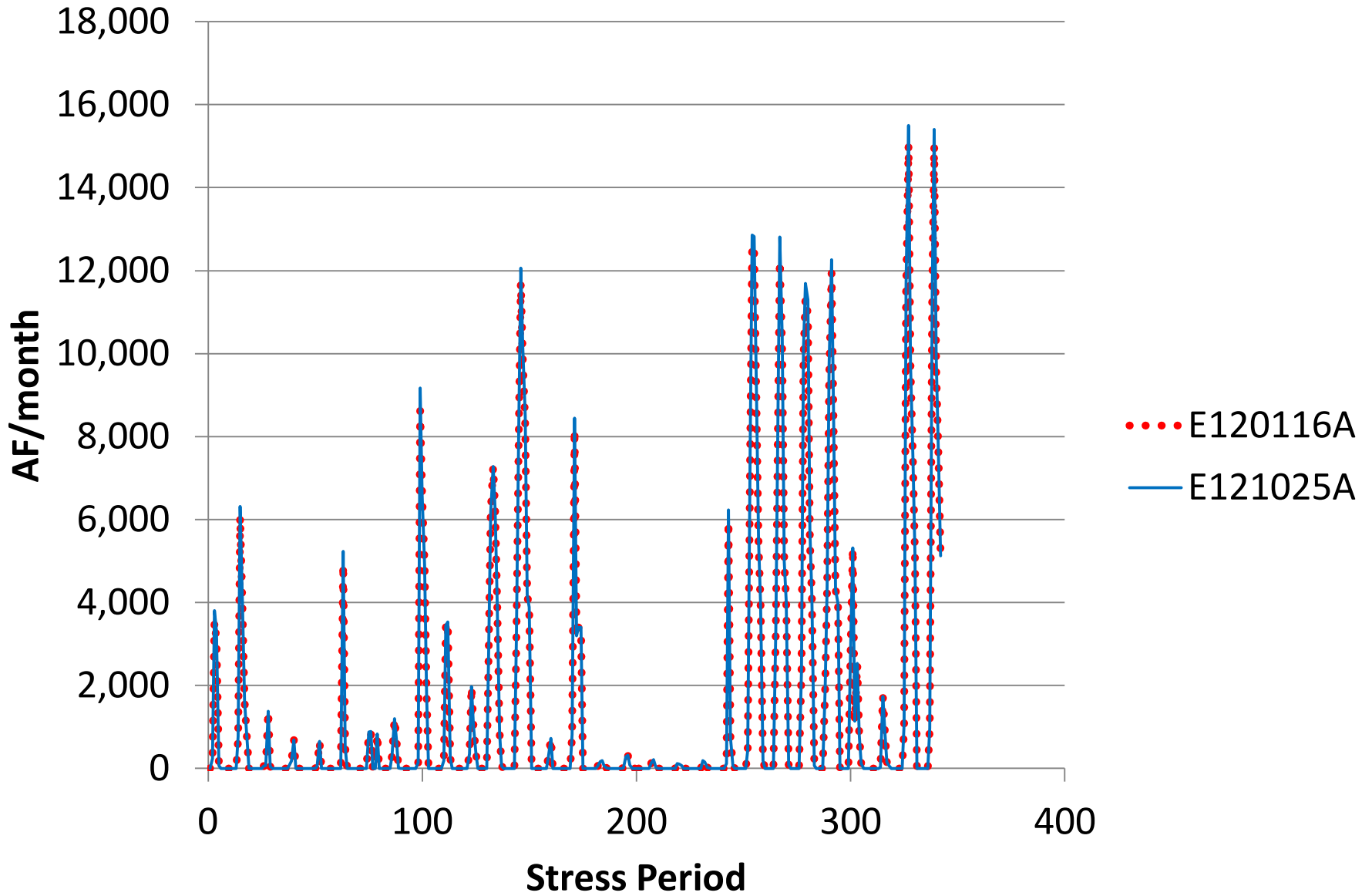
Exchange Well Changes

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Exchange Wells Changes (cont.)

- Small change in annual average values is from:
 - Allotment sheet updates (new data) completed in Feb 2012
 - D. Bott exchange well units error corrected prior to Validation

Exchange Well Pumping



Seepage Changes

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Seepage Changes (cont.)

Beaver Creek Changes:

- Corrected a spreadsheet formula

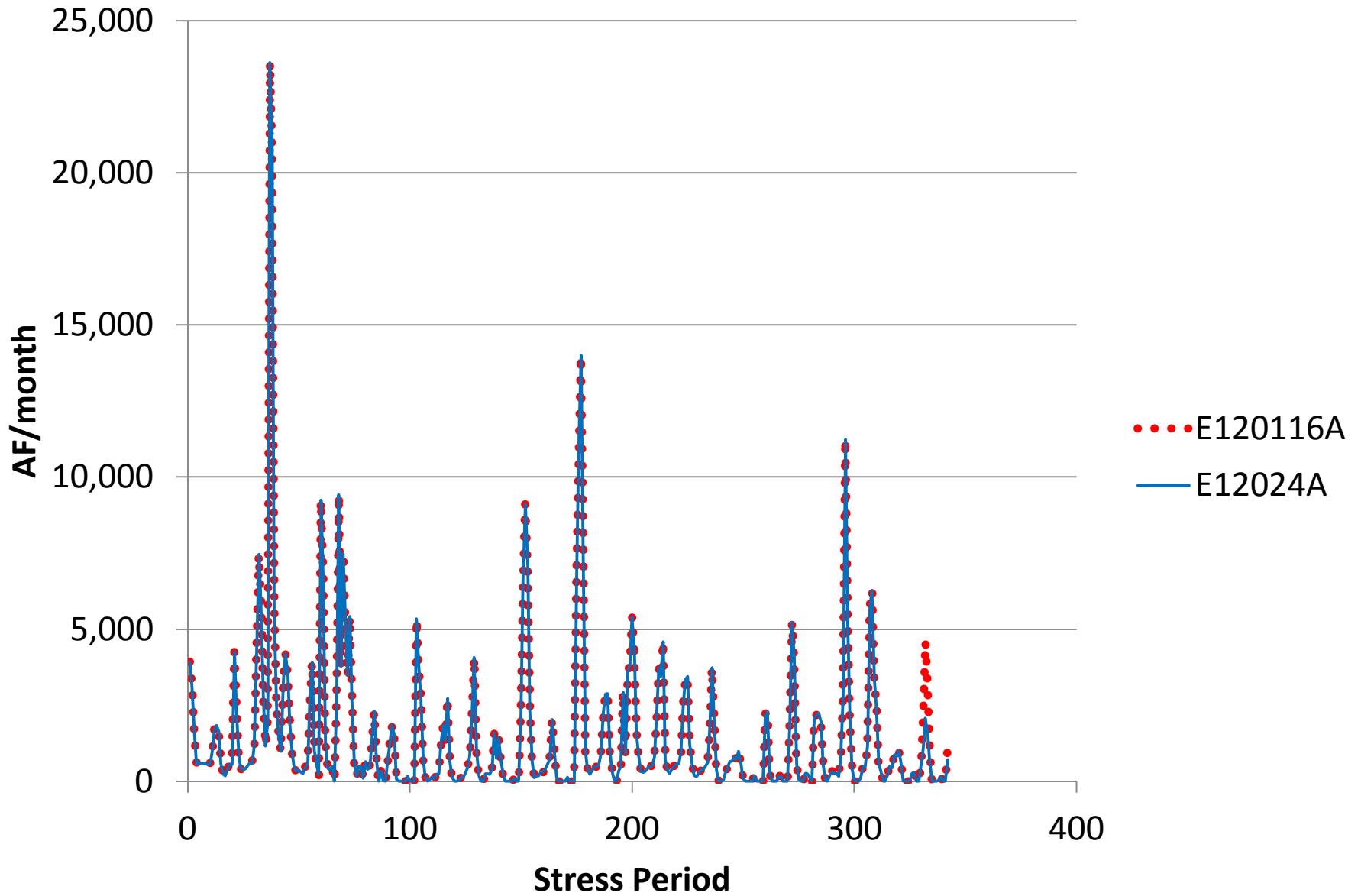
Birch Creek HydroPower:

- Updated data provided by Ted Sorenson in Jan 2012 for 2003-2010

Little Lost Seepage:

- Changes are from correcting errors in 1980-2001 diversion data for IESW008 and IESW053

Beaver Creek Reach 2 Seepage

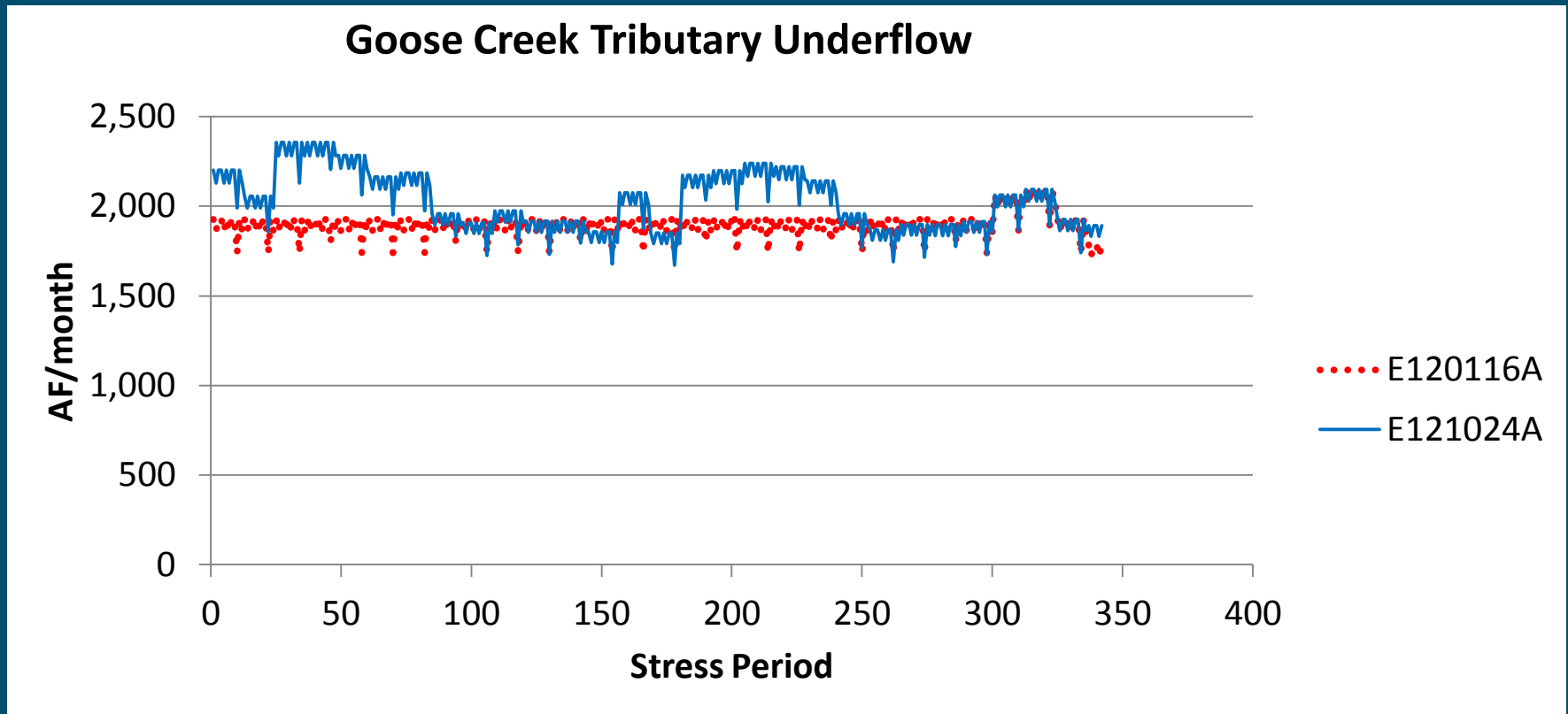


Underflow Changes

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Underflow Changes (cont.)

- Goose Creek underflow data was not seasonally adjusted for SP1-298



- Other underflow changes: Silver Creek flow data was updated to reflect a new “index” values (average values were replaced) for seasonally shaping the data.

QUESTIONS?