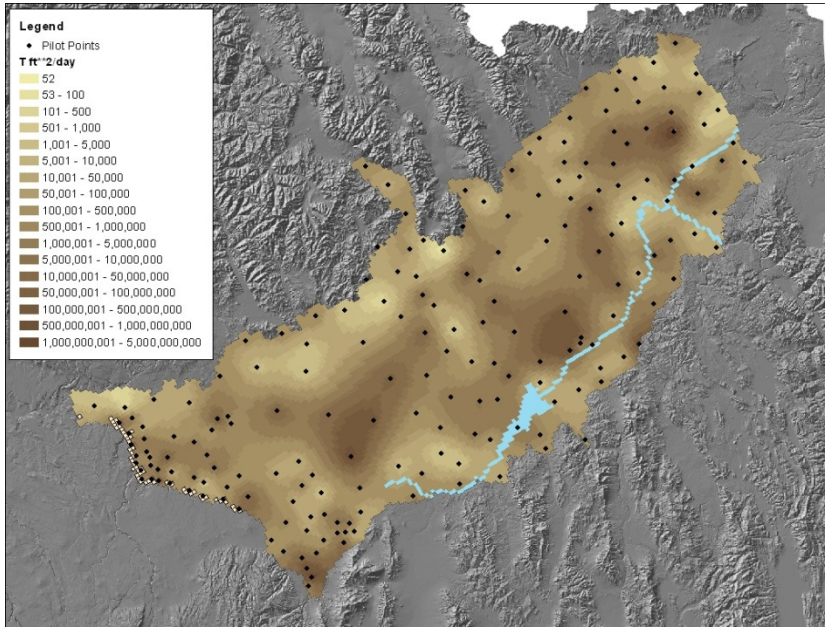
ESPAM2.0 – Filtered Unfiltered

Allan Wylie IDWR

ESPAM02



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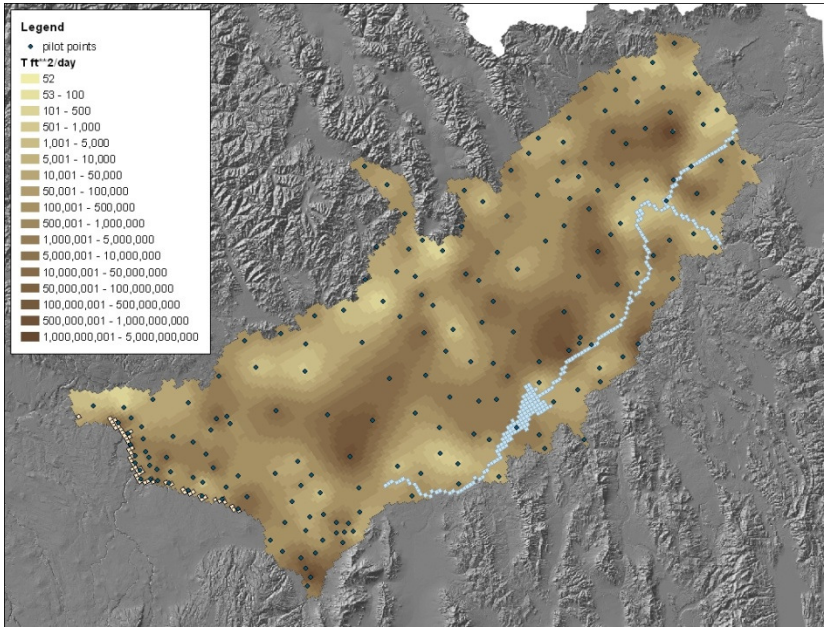

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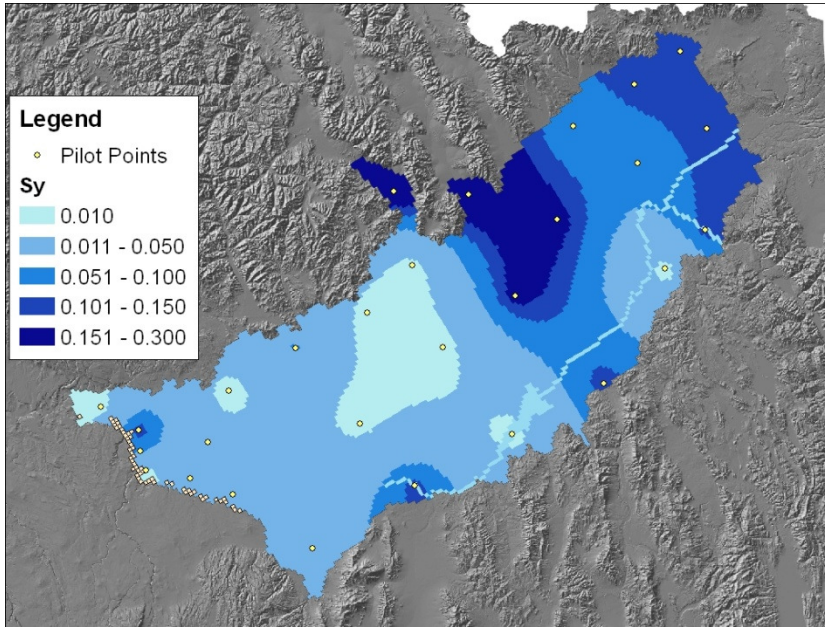

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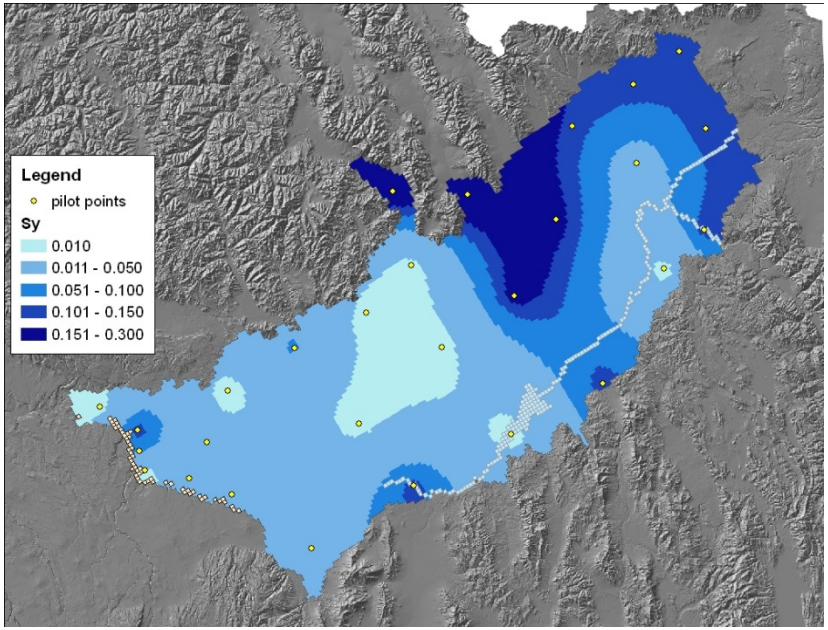

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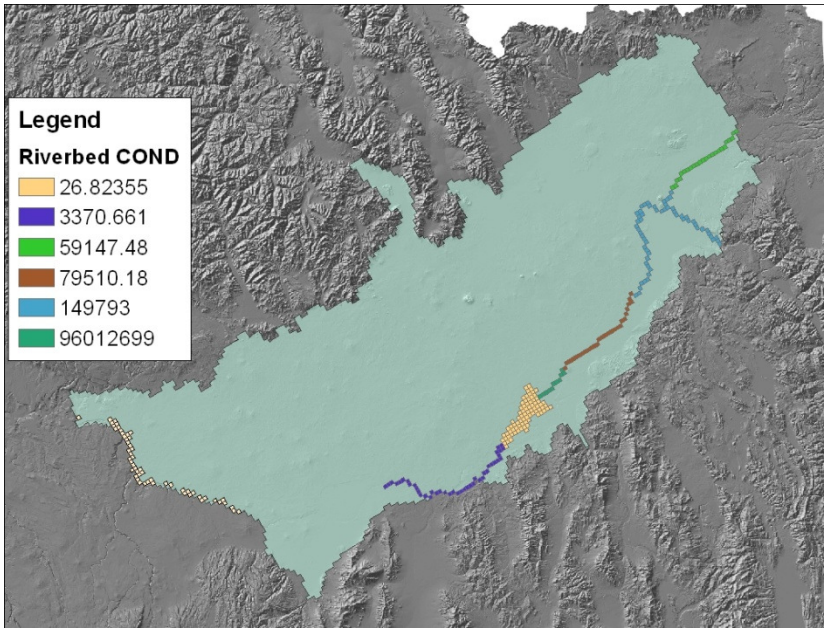

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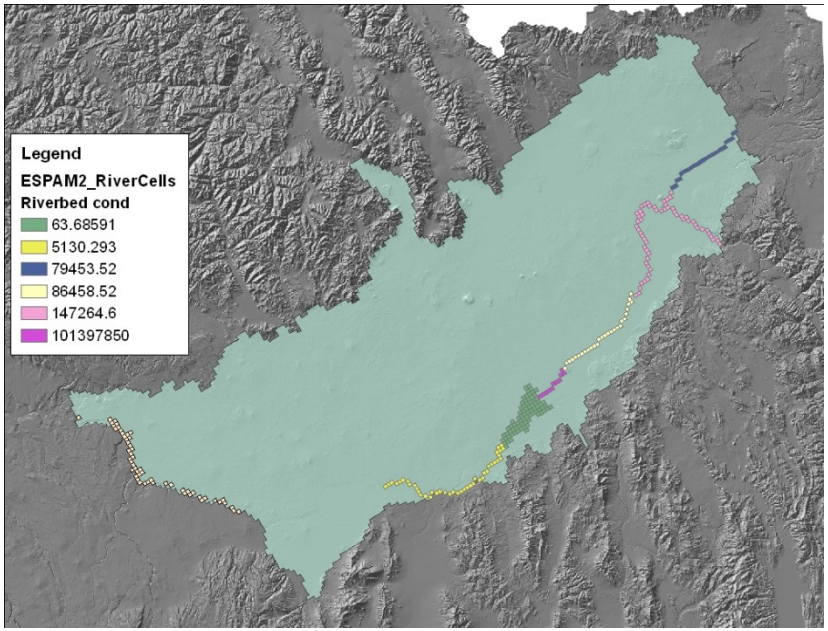

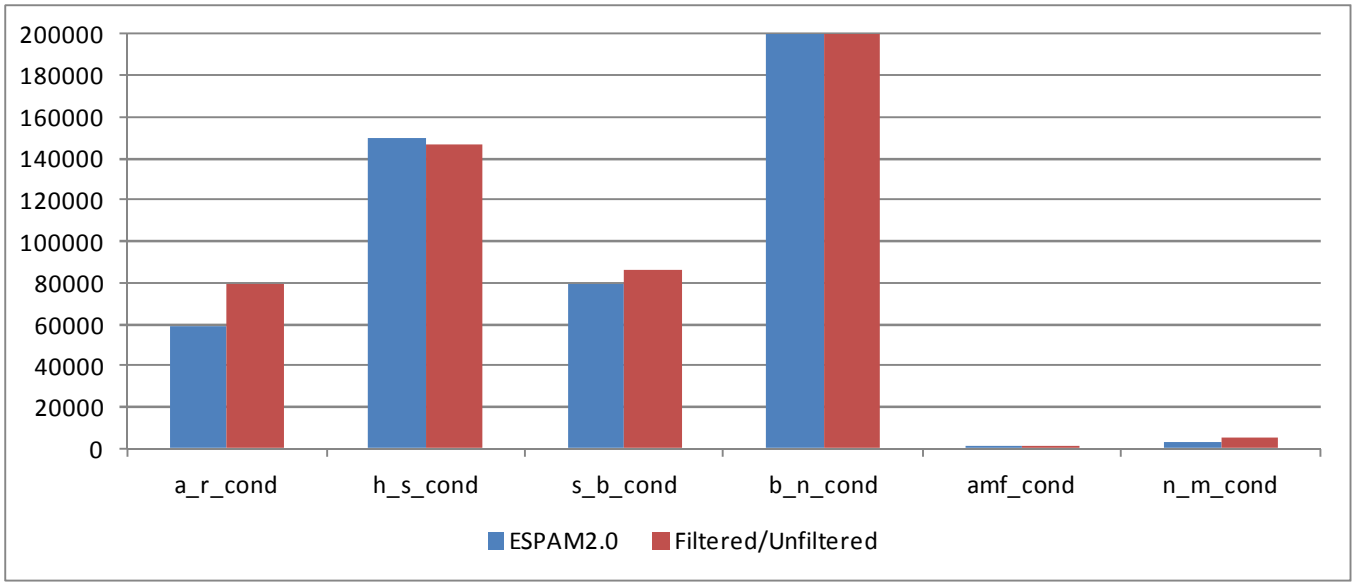

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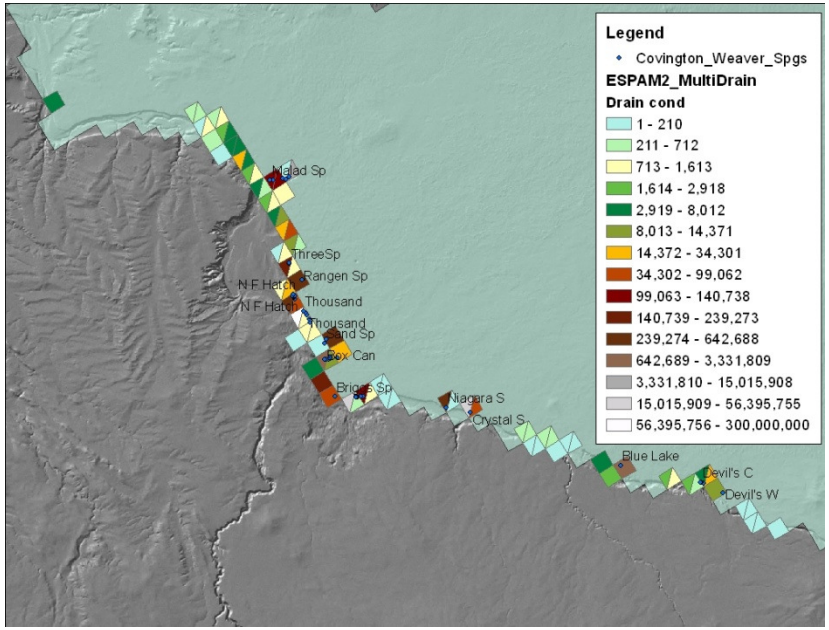

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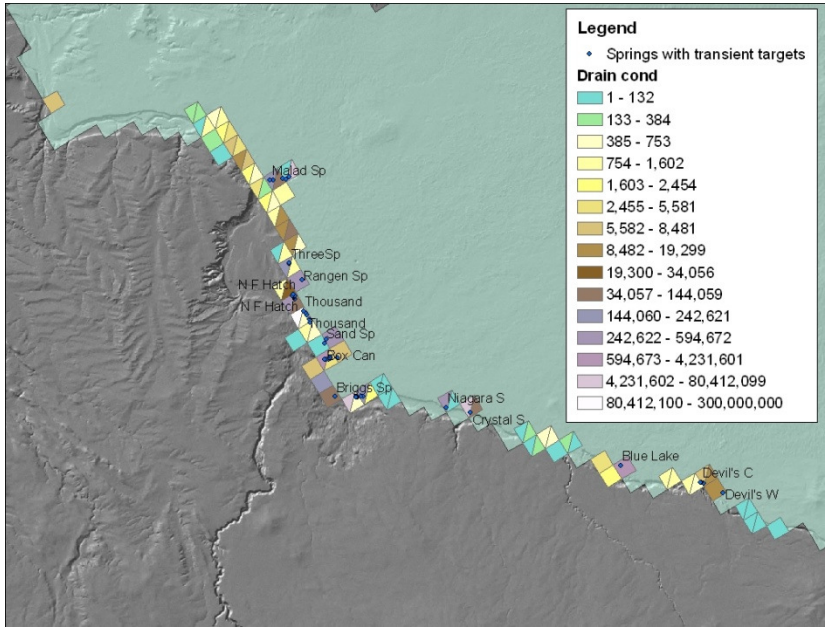

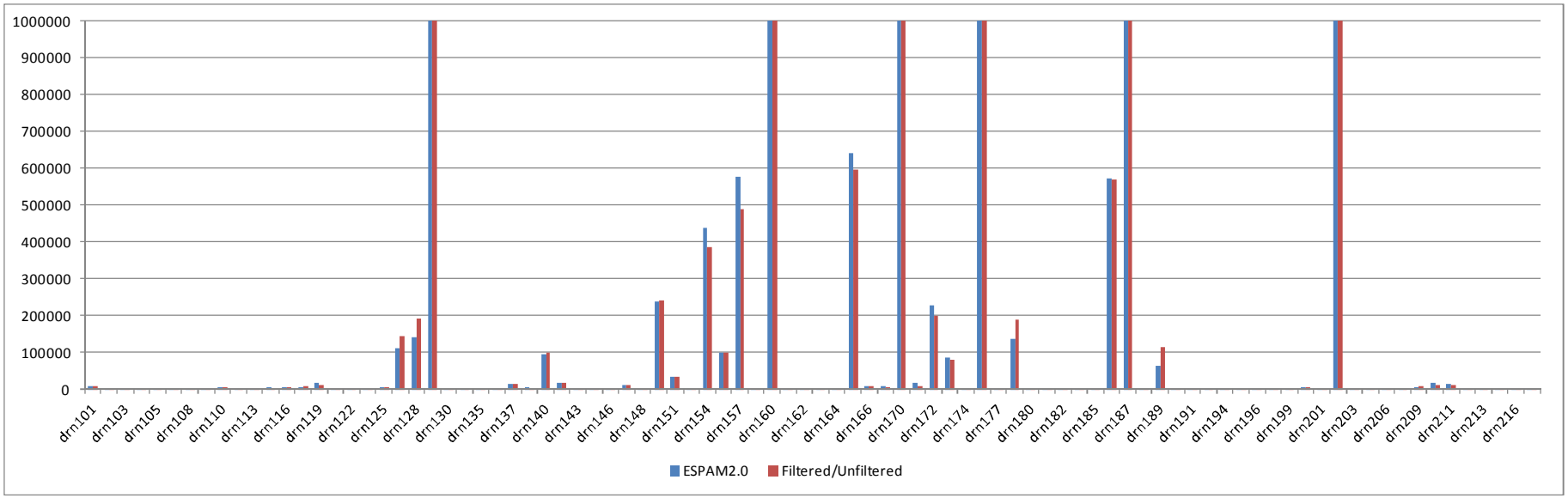

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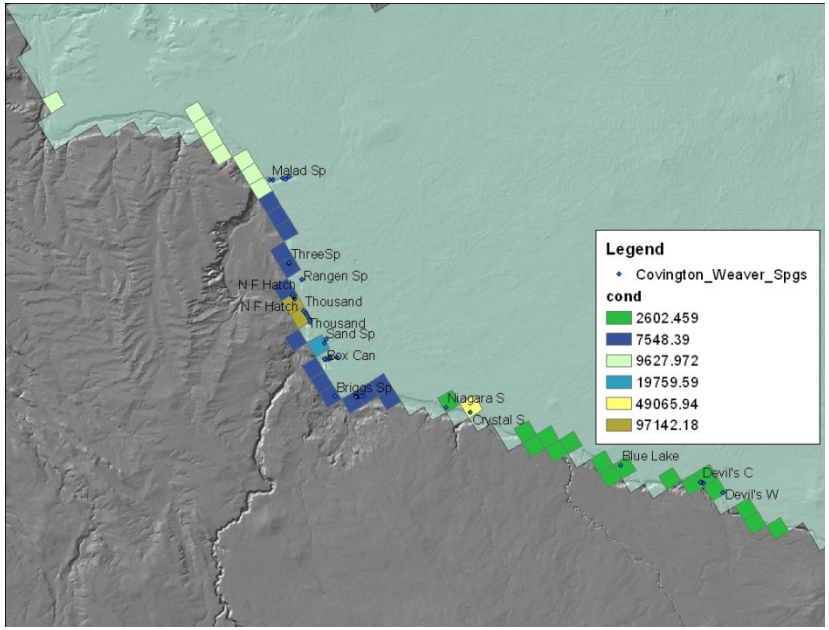

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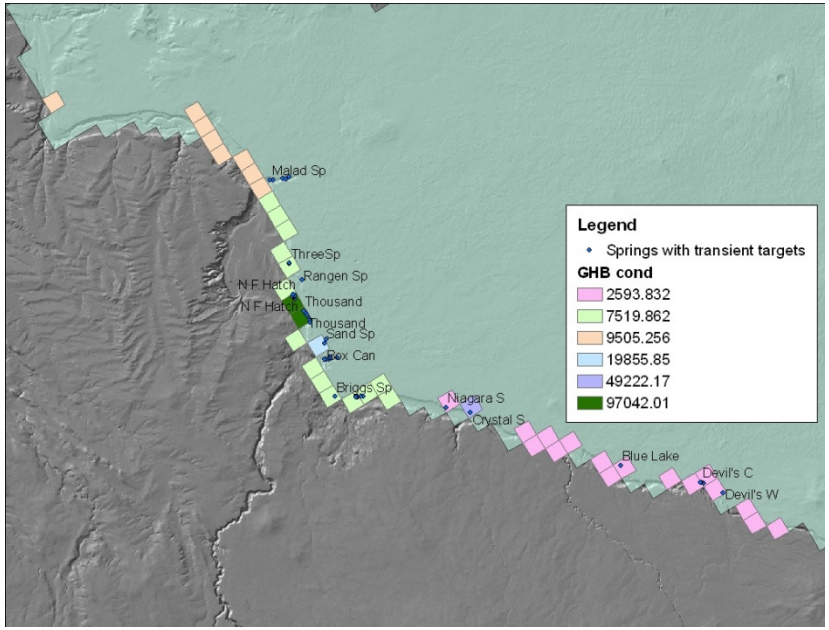

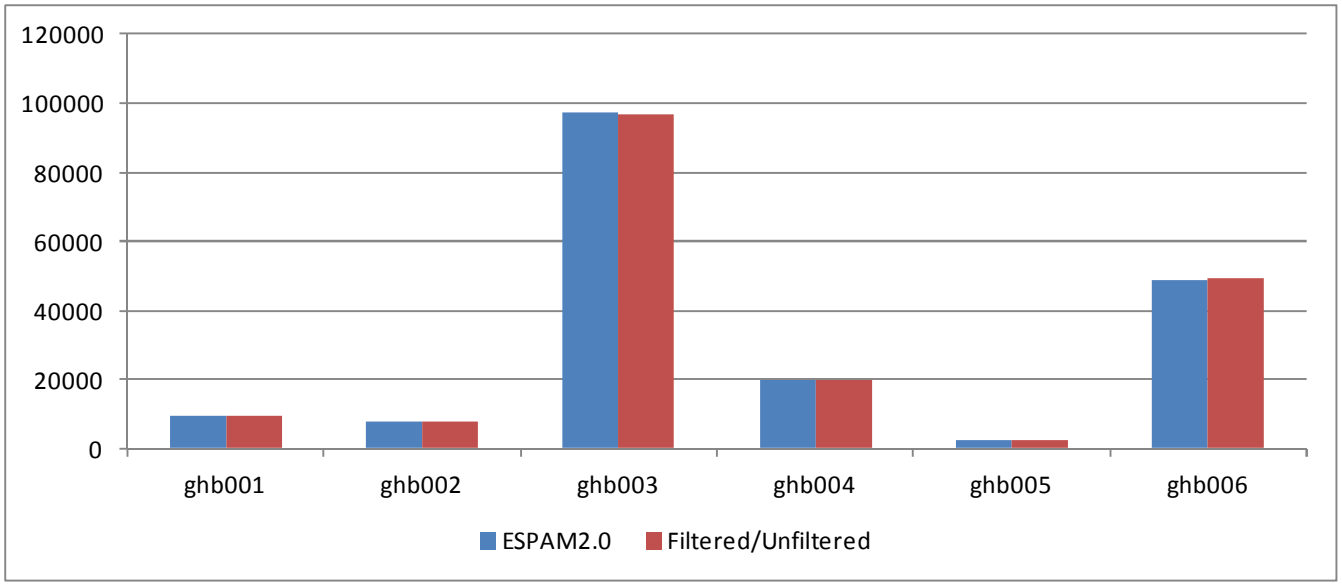

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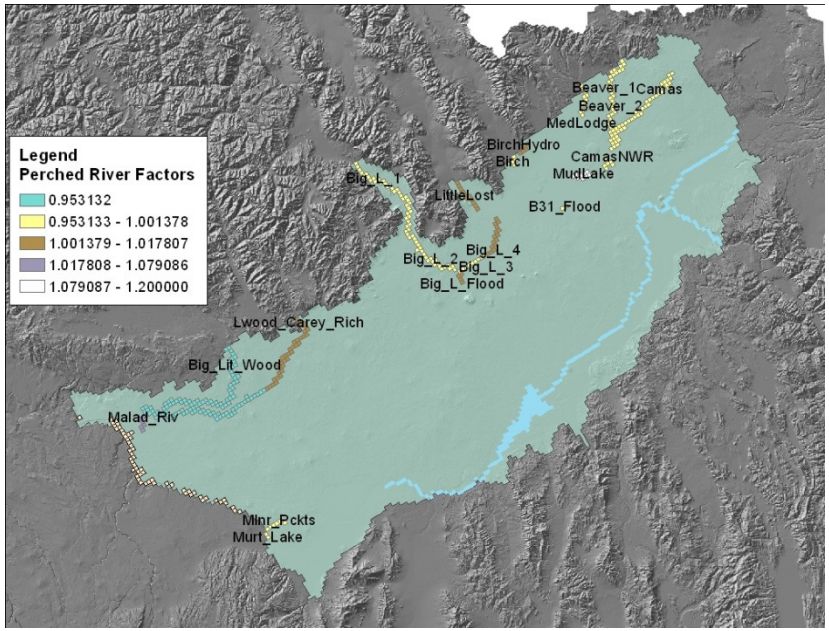

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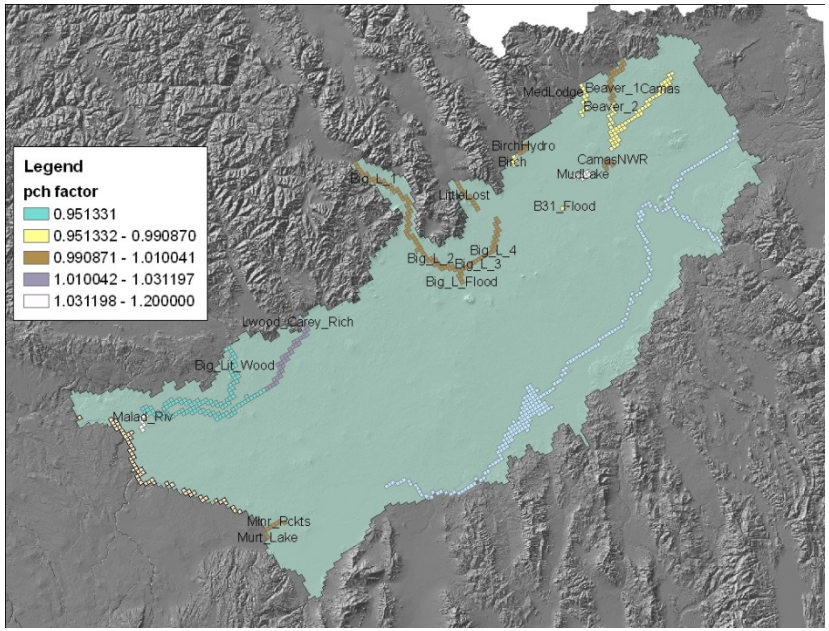

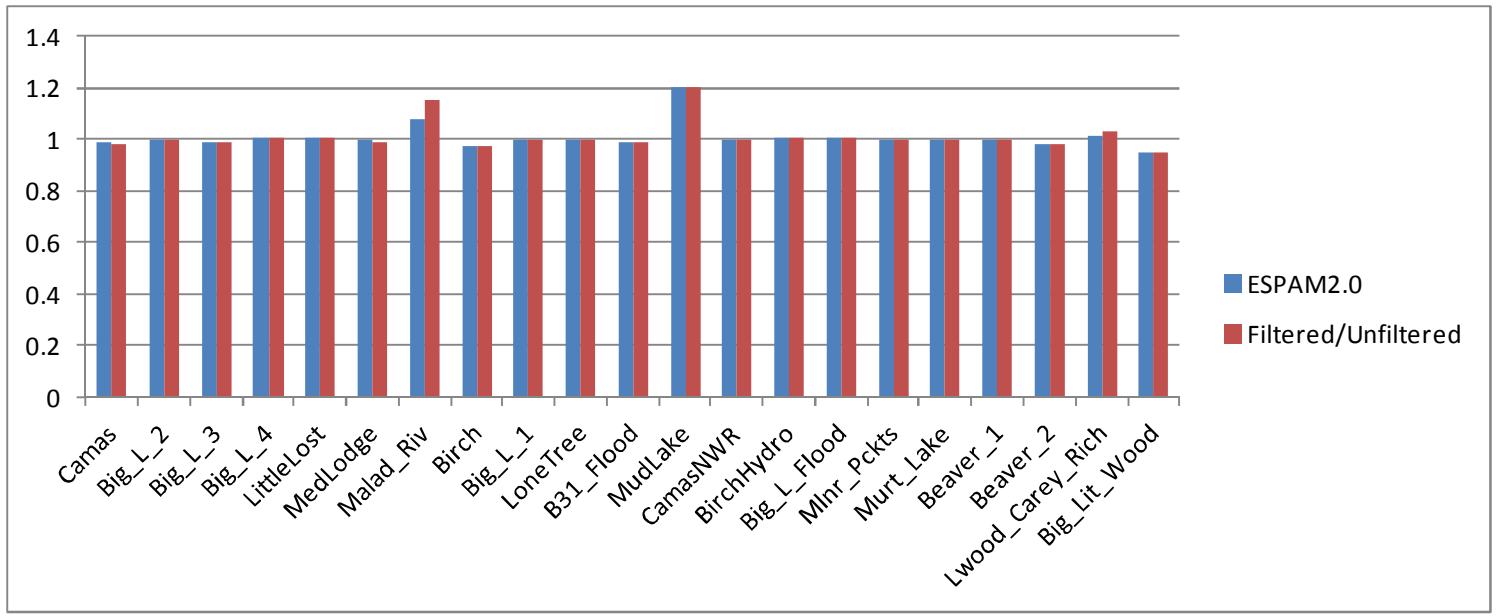

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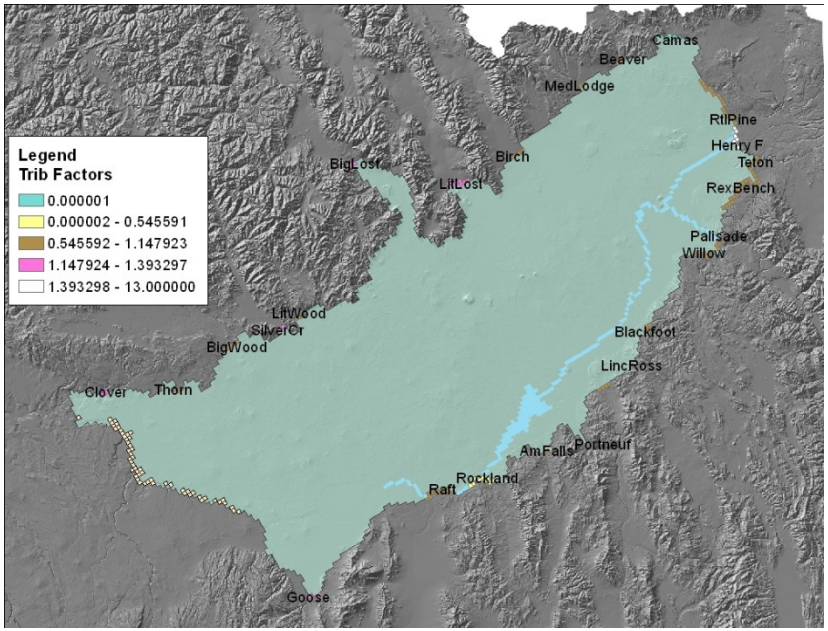

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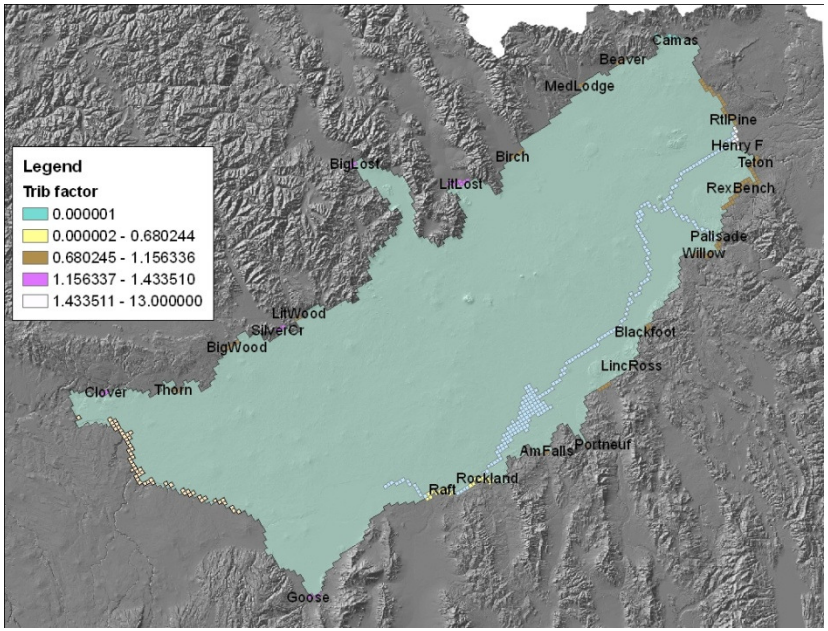

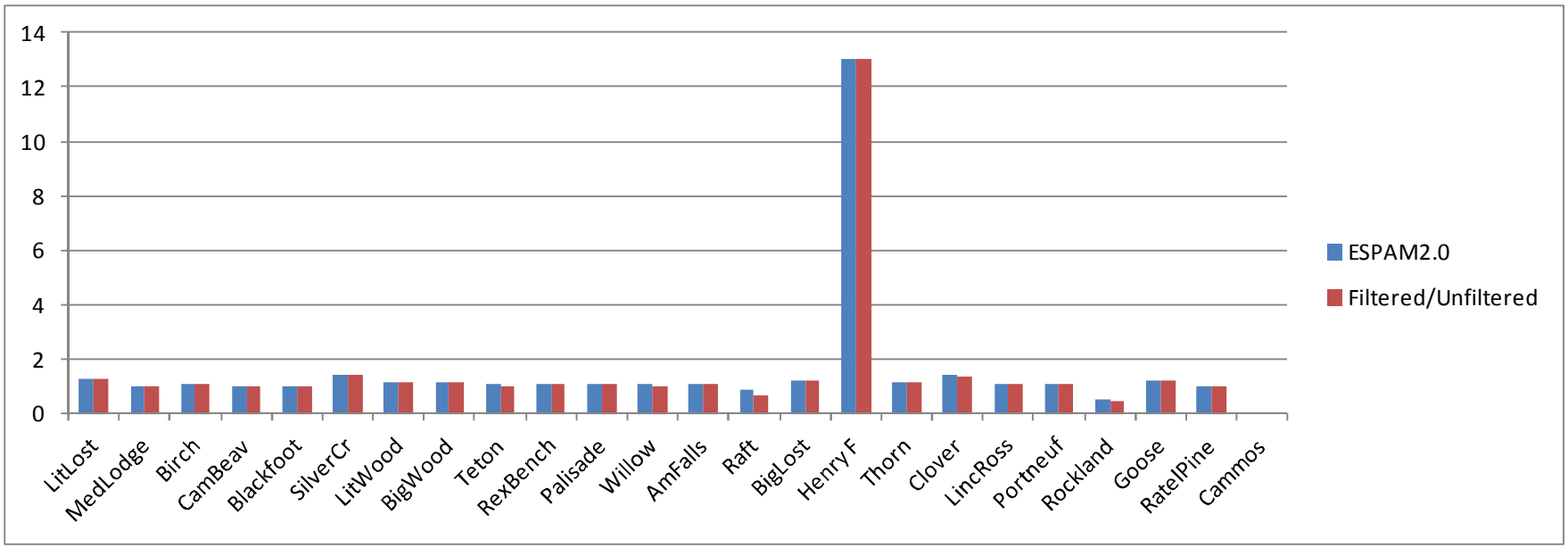

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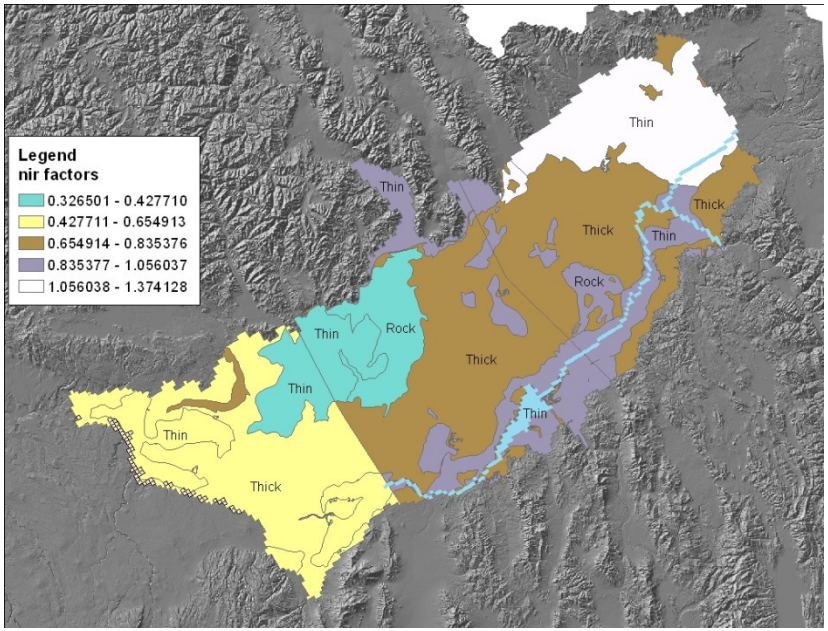

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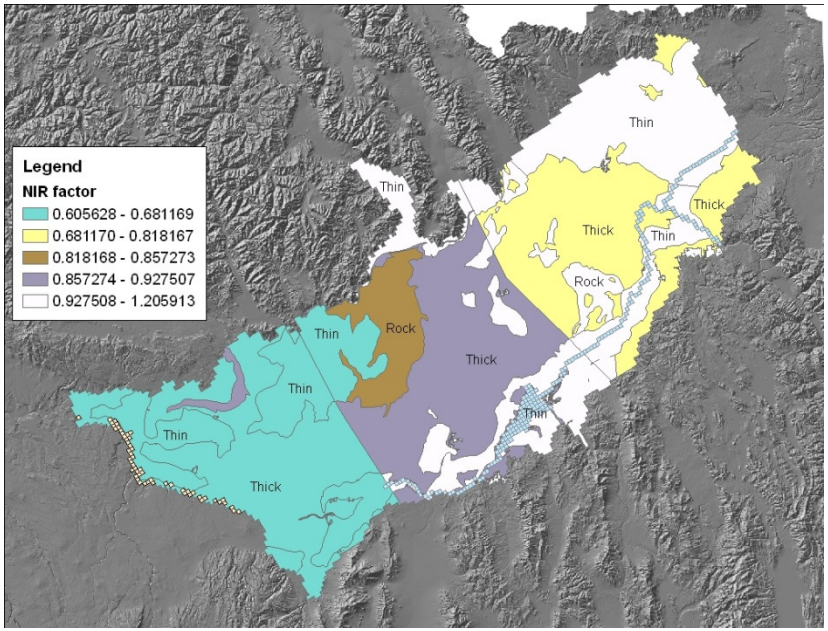

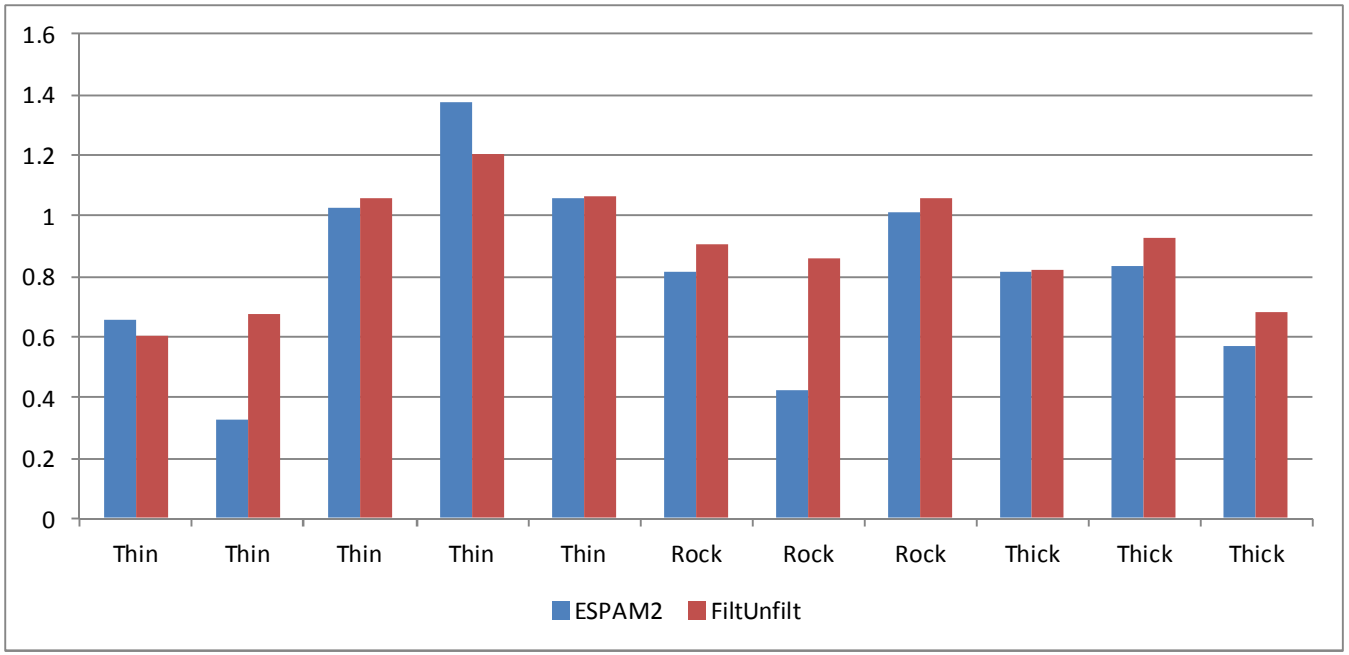

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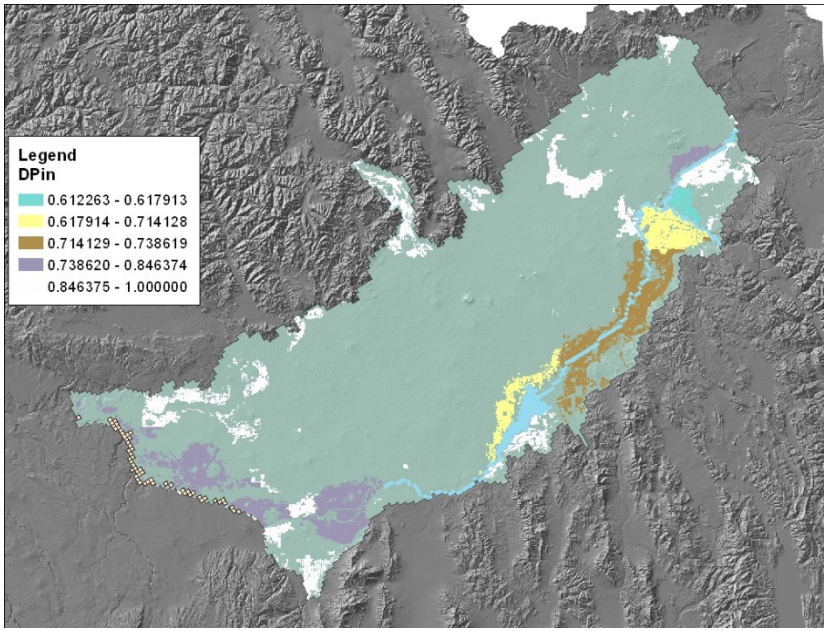

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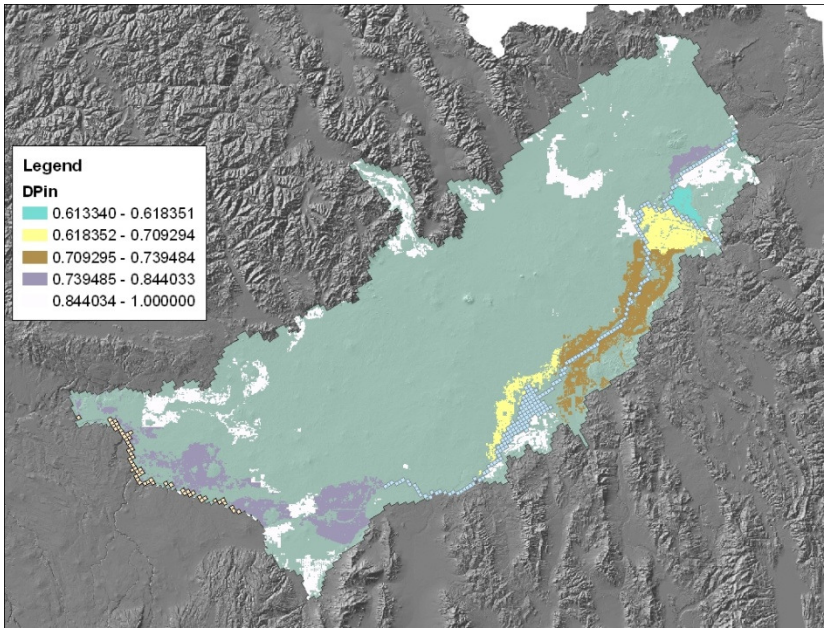

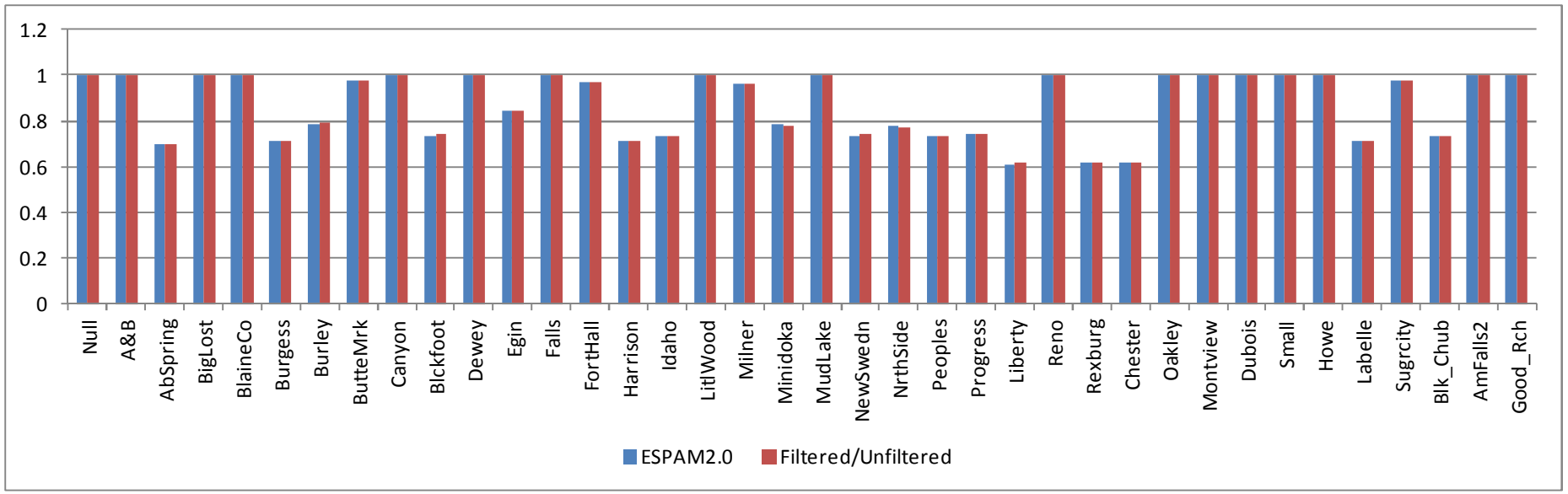

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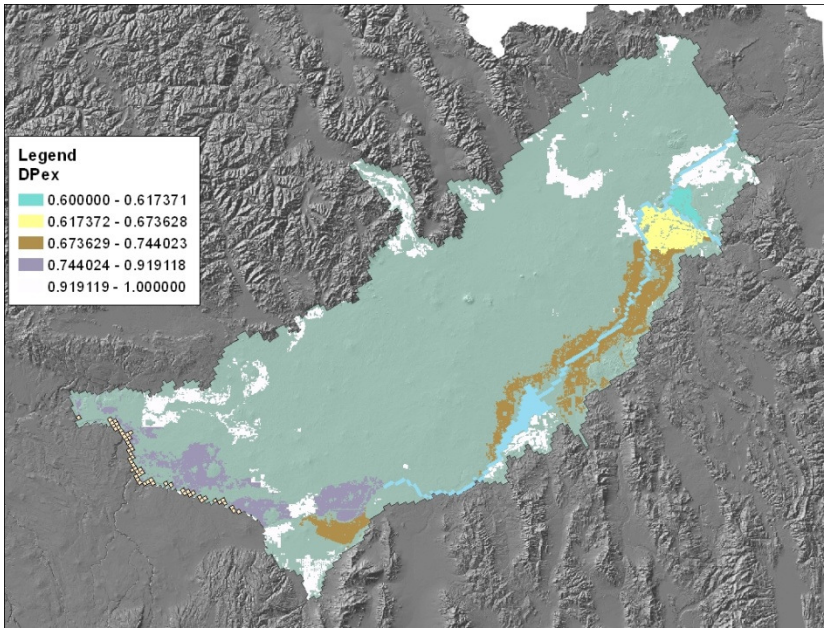

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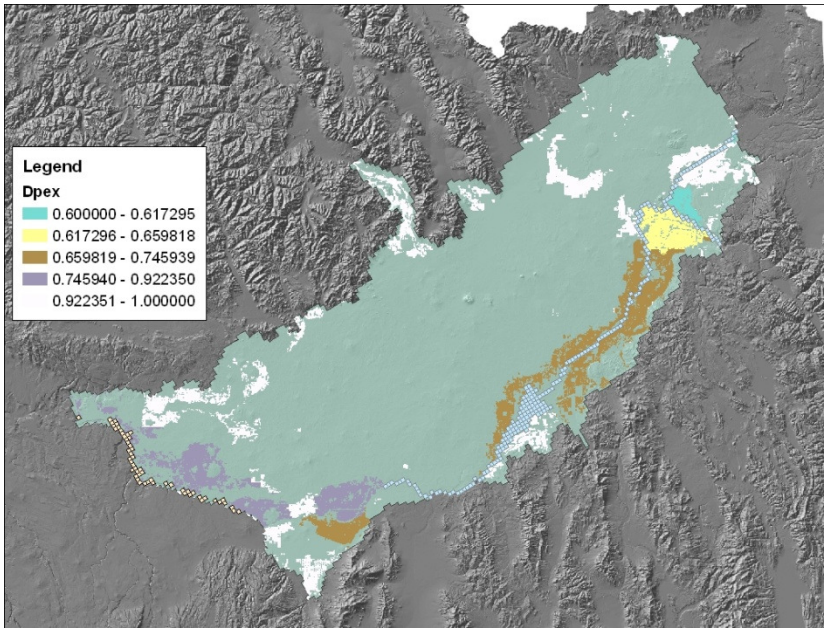

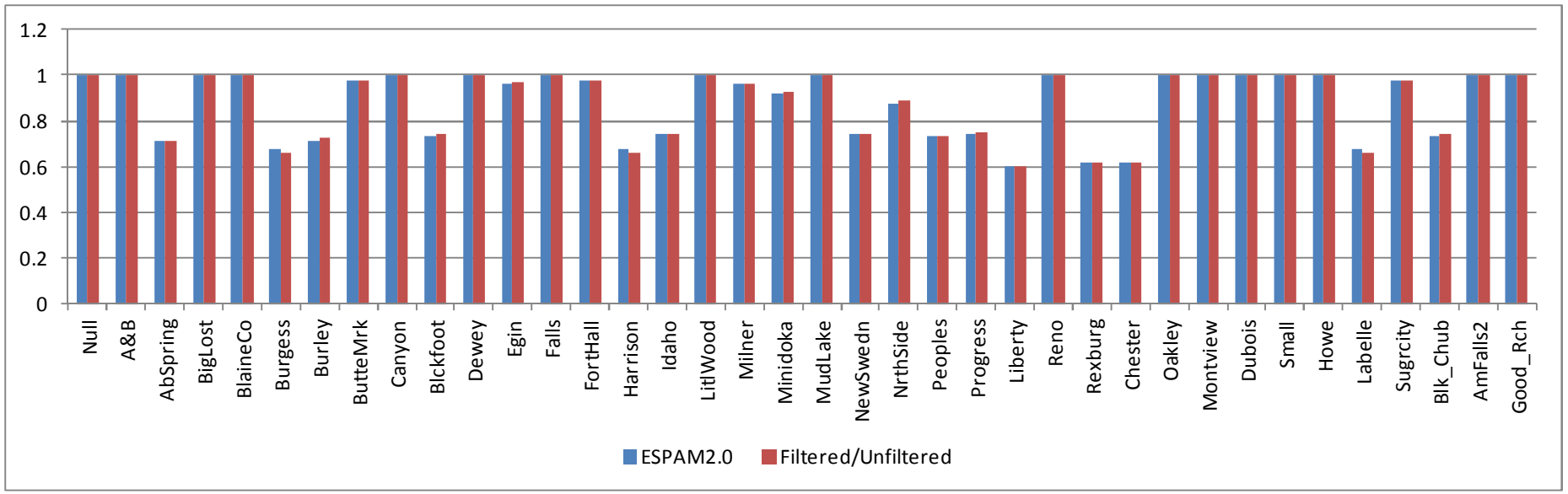

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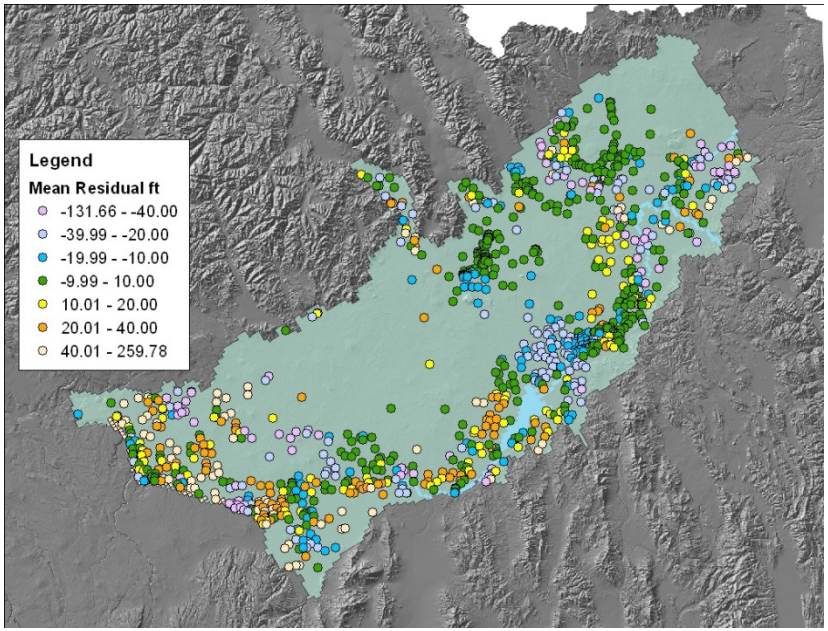

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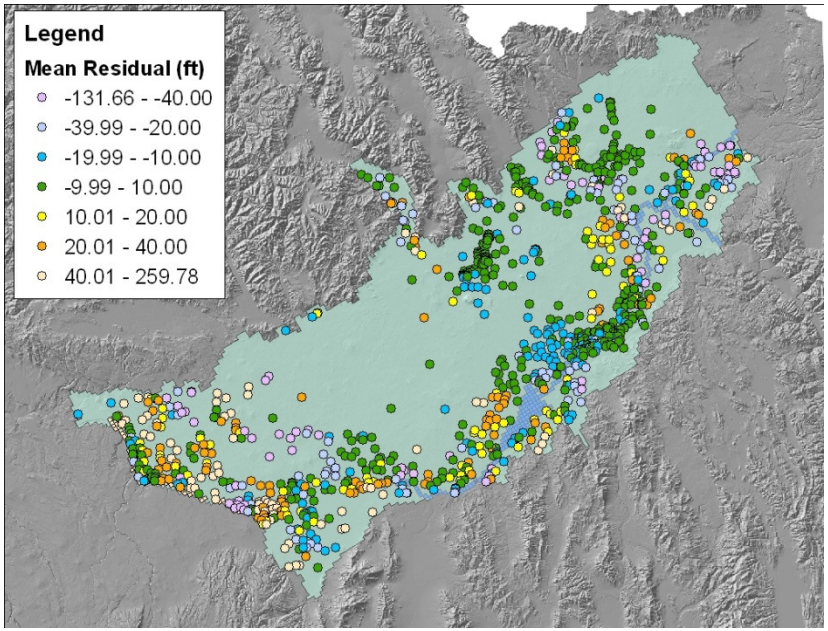
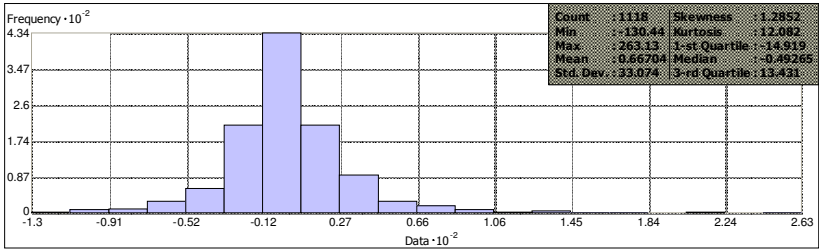


Histogram
Transformation: None



Data Source: Wells Attribute: Mean

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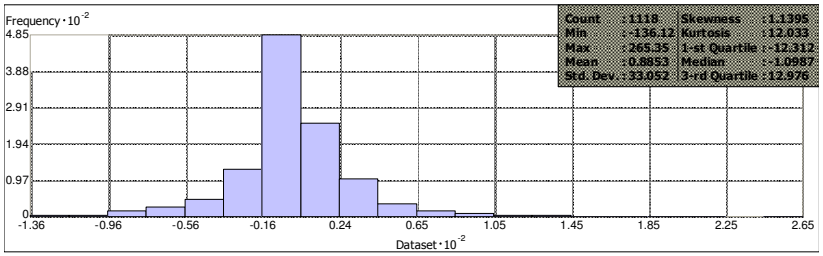

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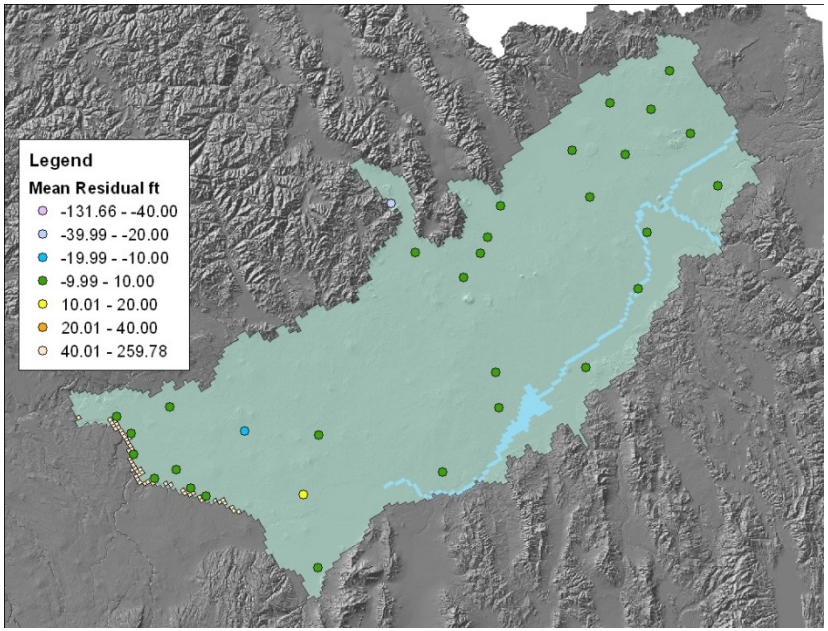

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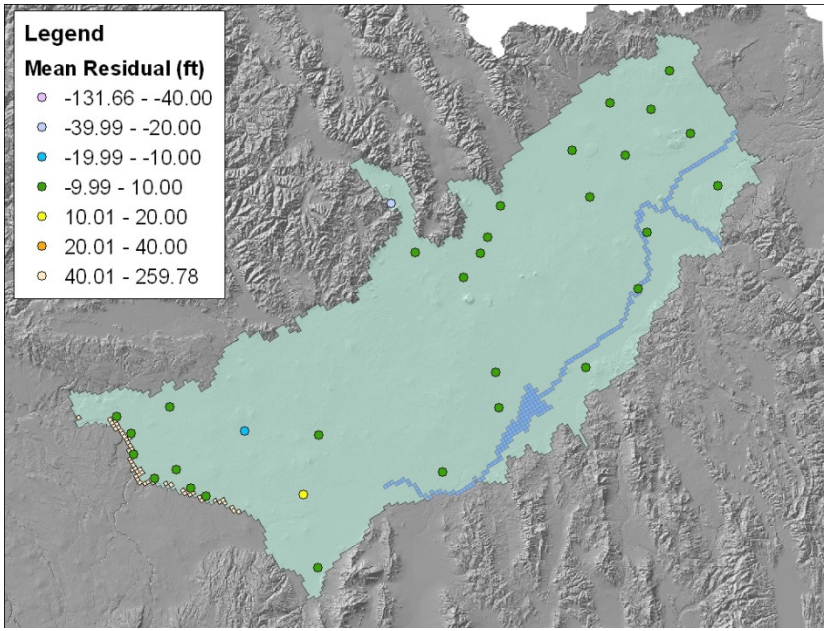

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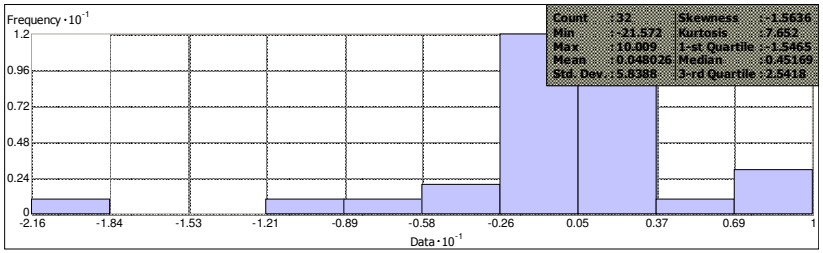

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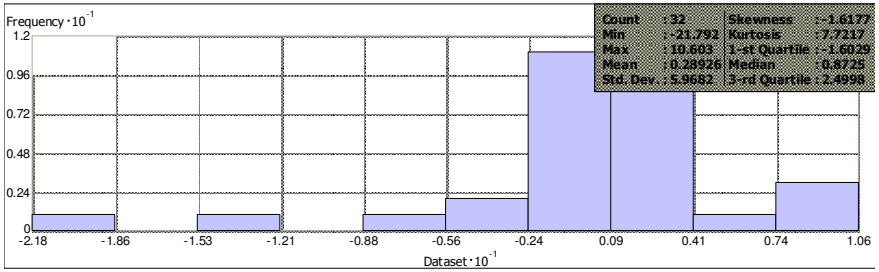

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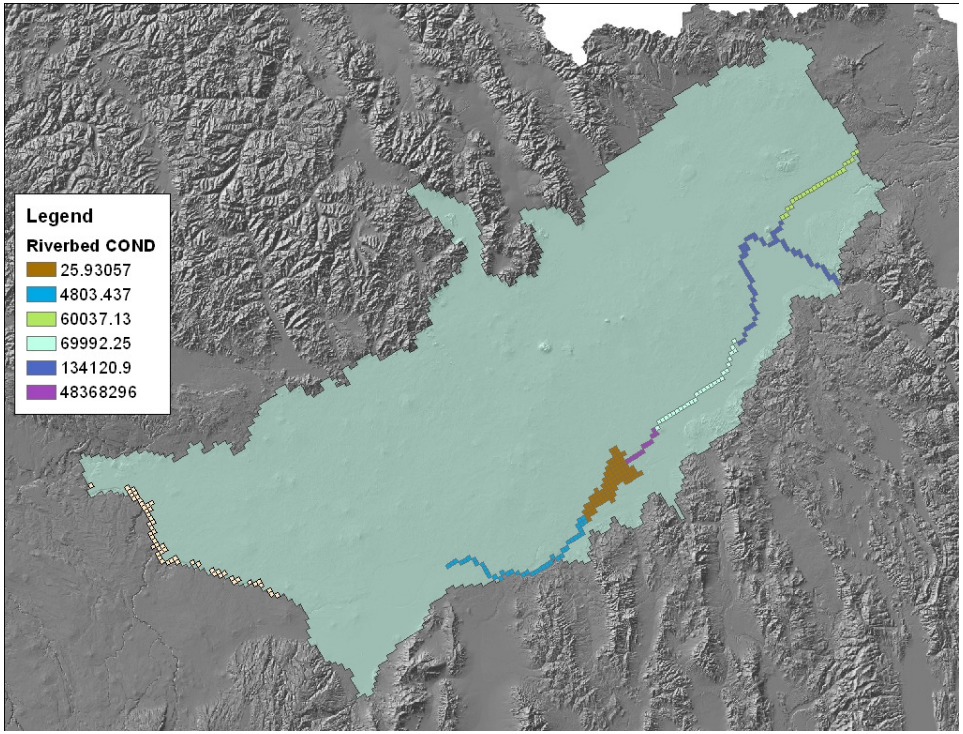
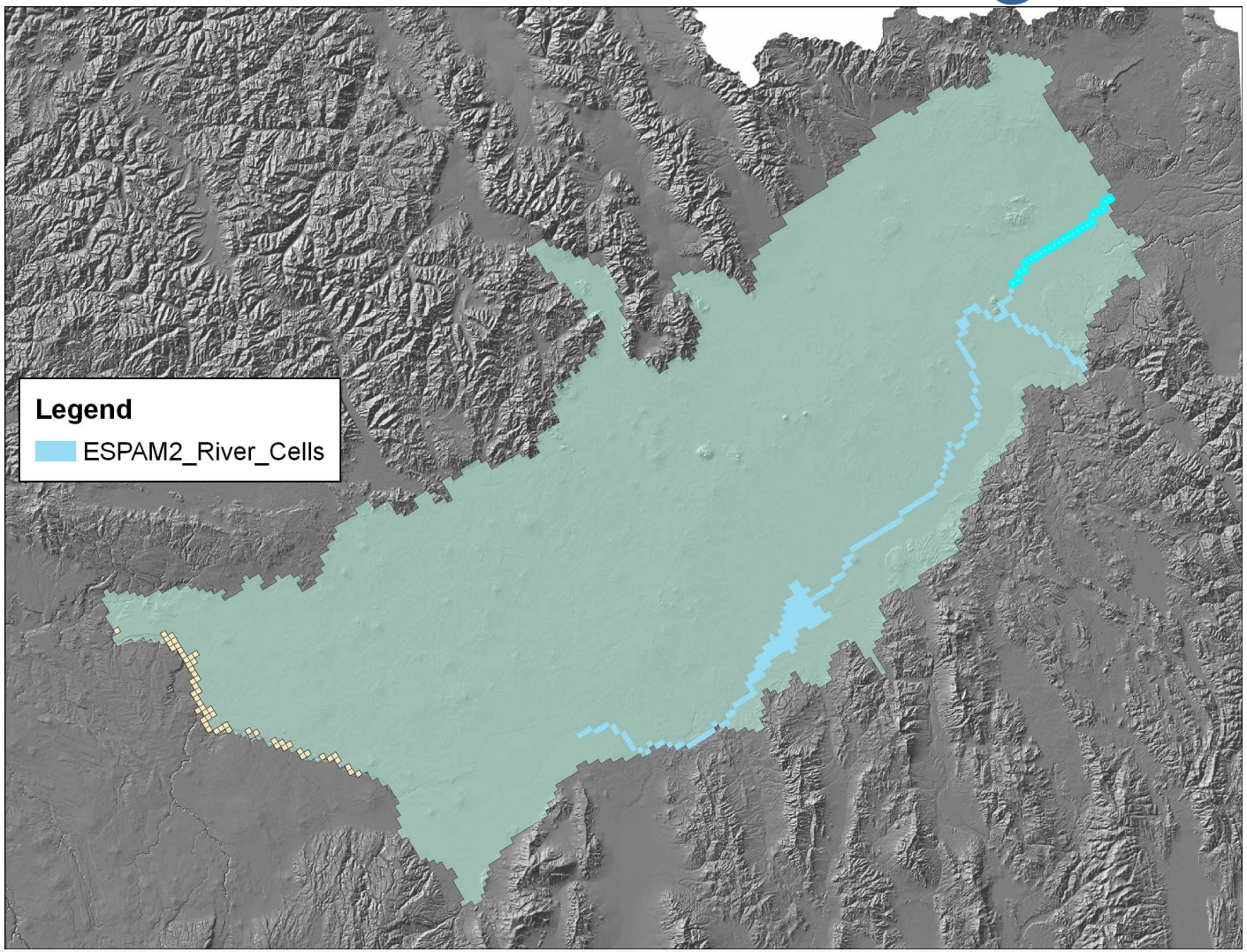


- Snake River reaches

Ashton - Rexburg



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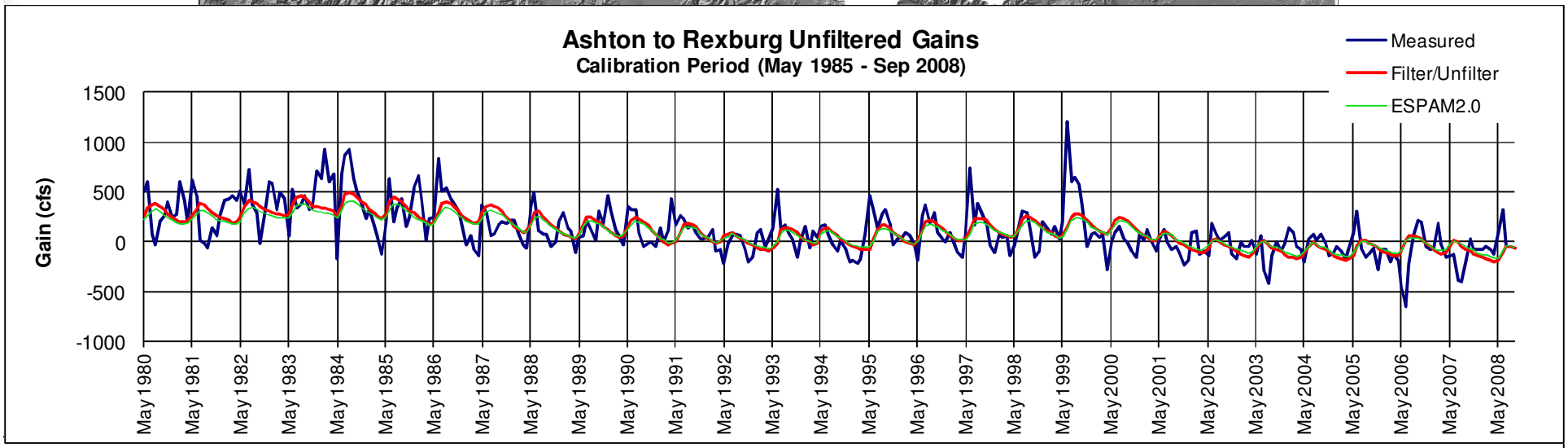
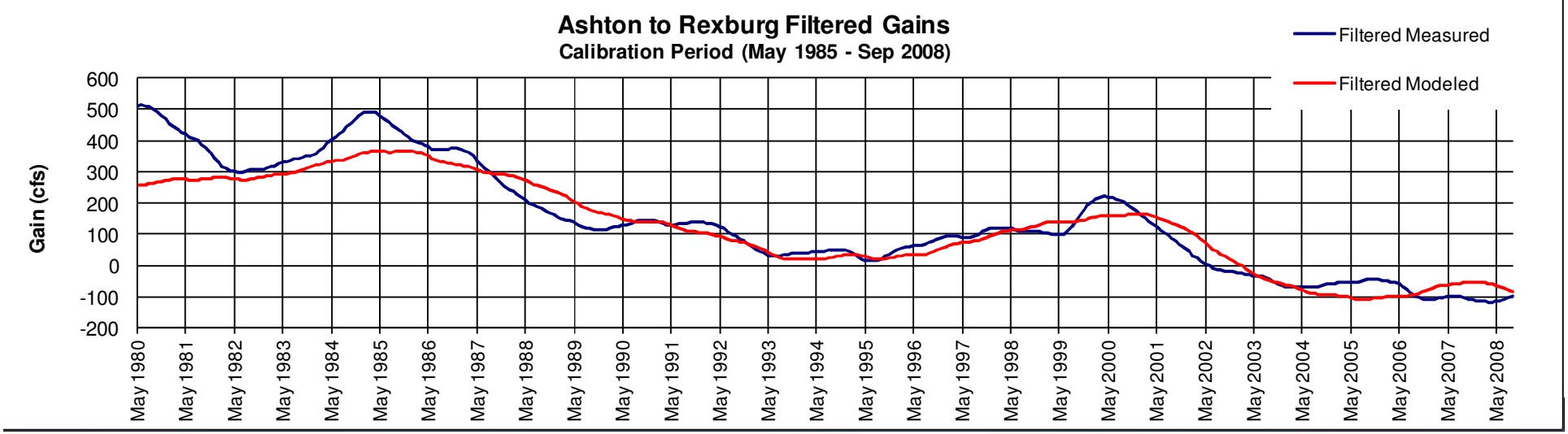
Ashton - Rexburg





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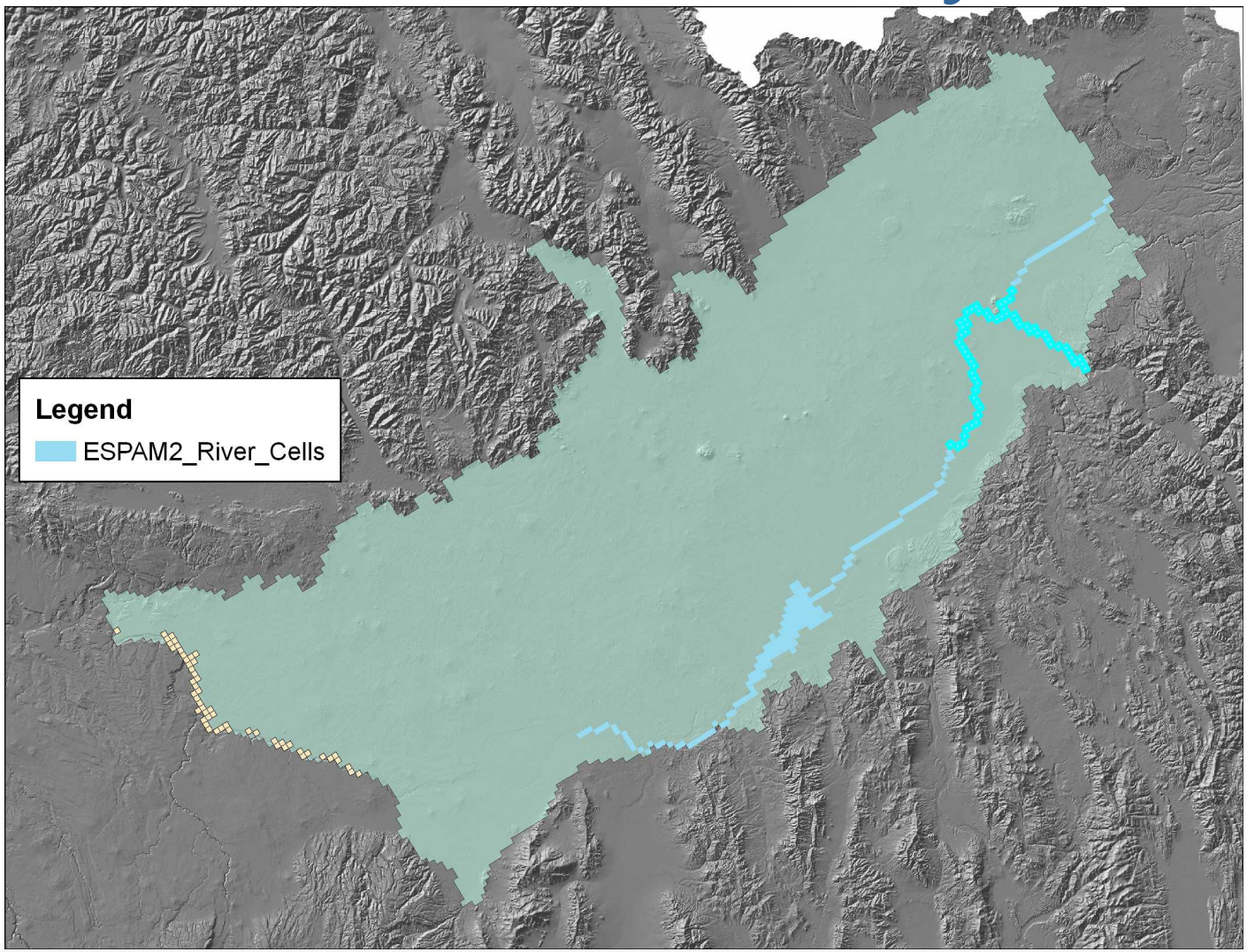

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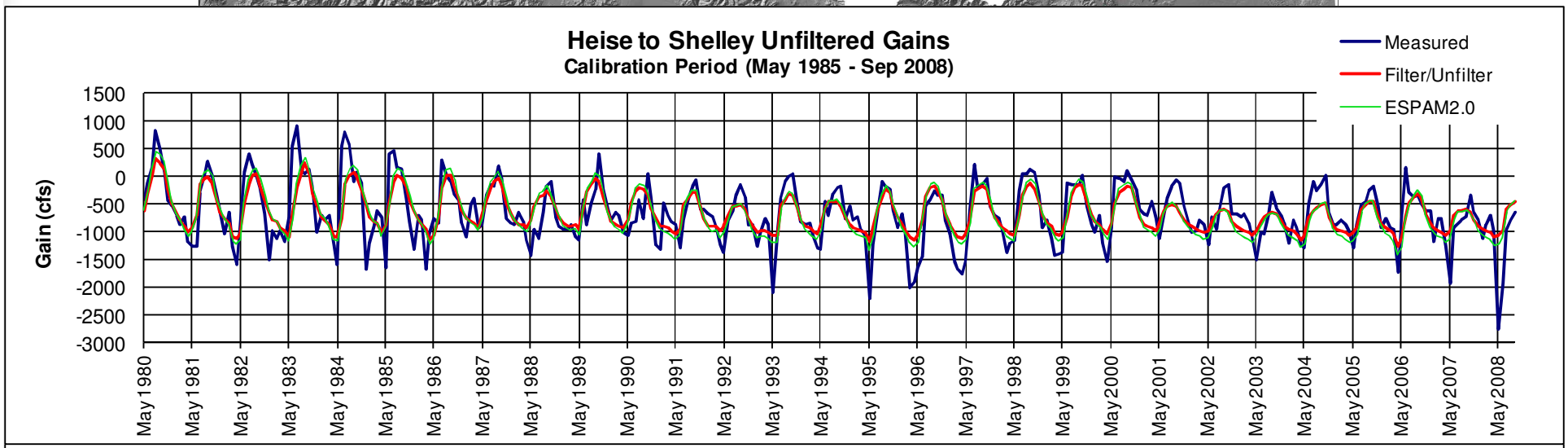
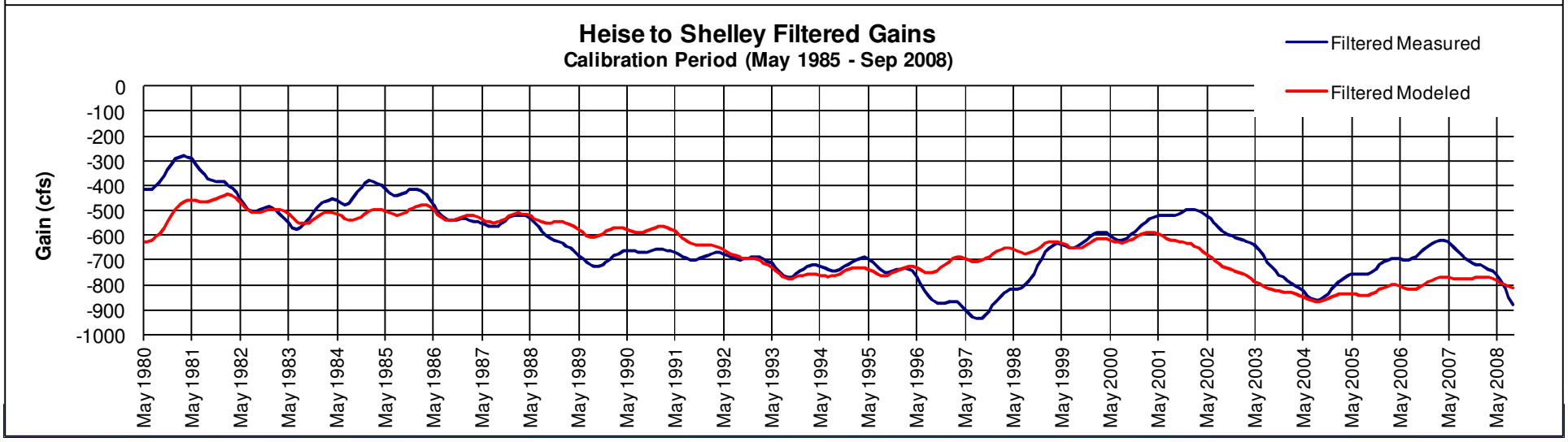
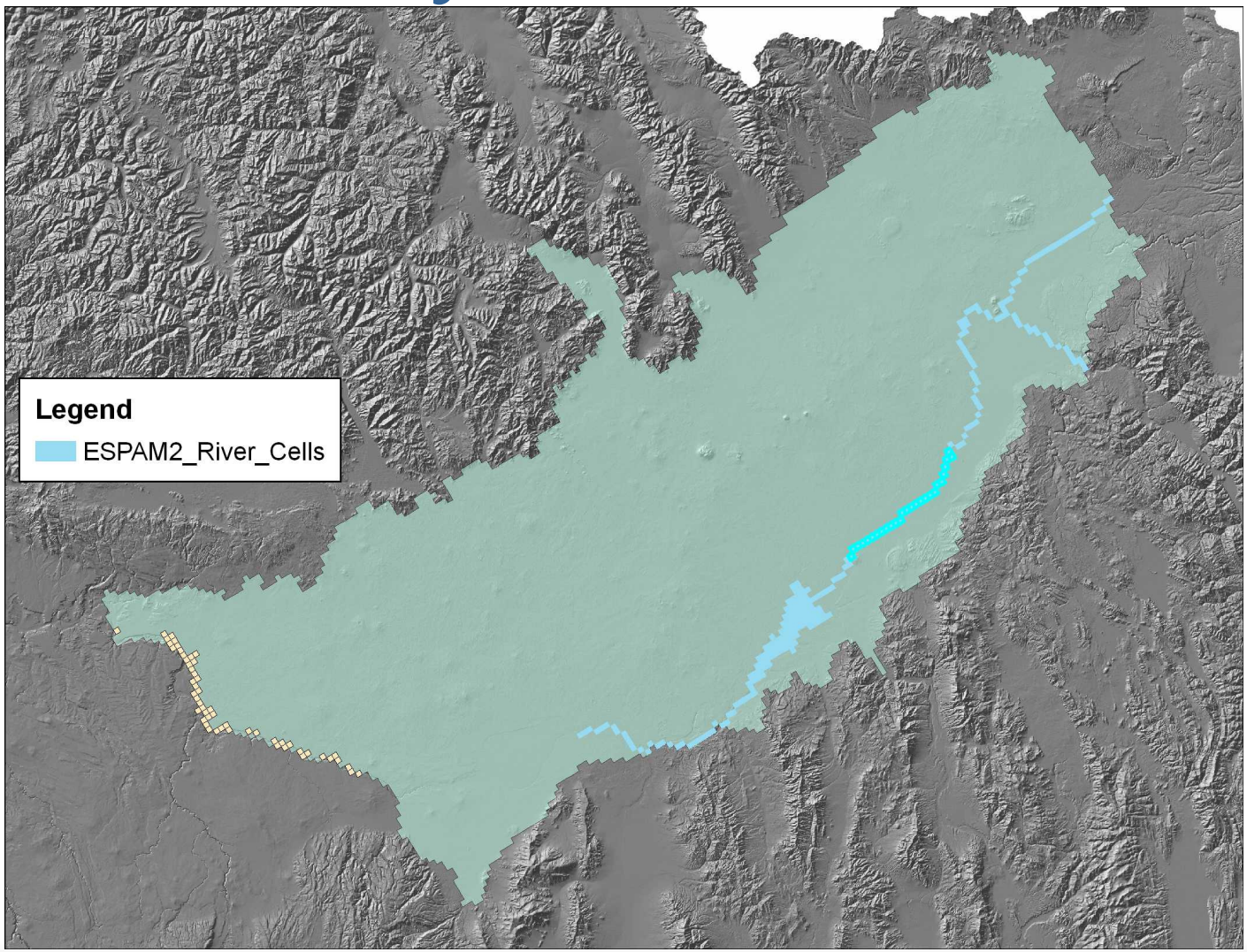
Heise - Shelley





Shelley – nr Blackfoot



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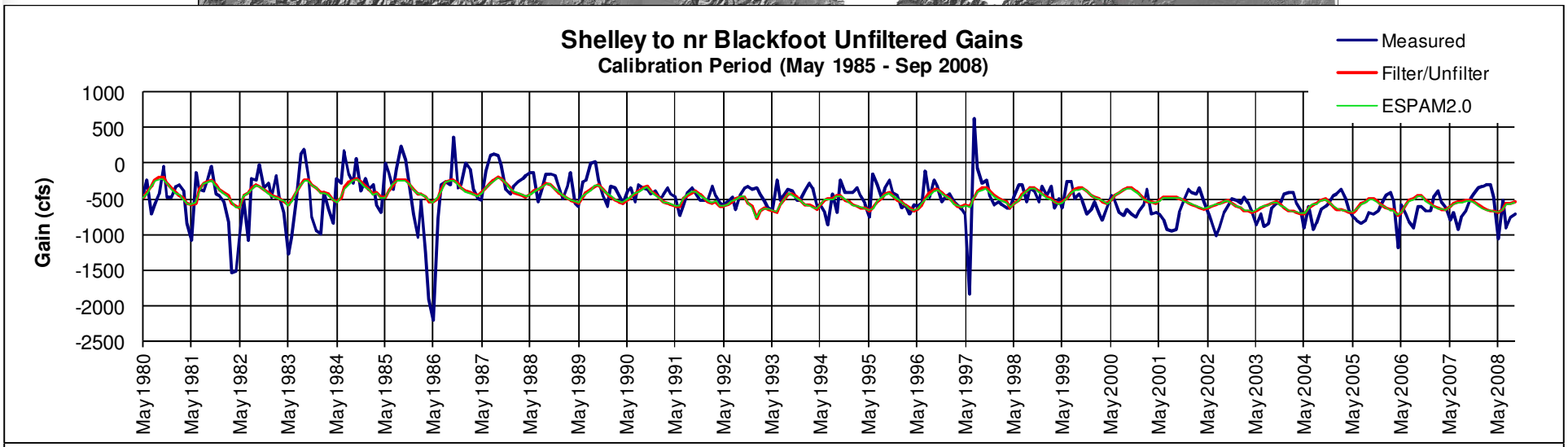
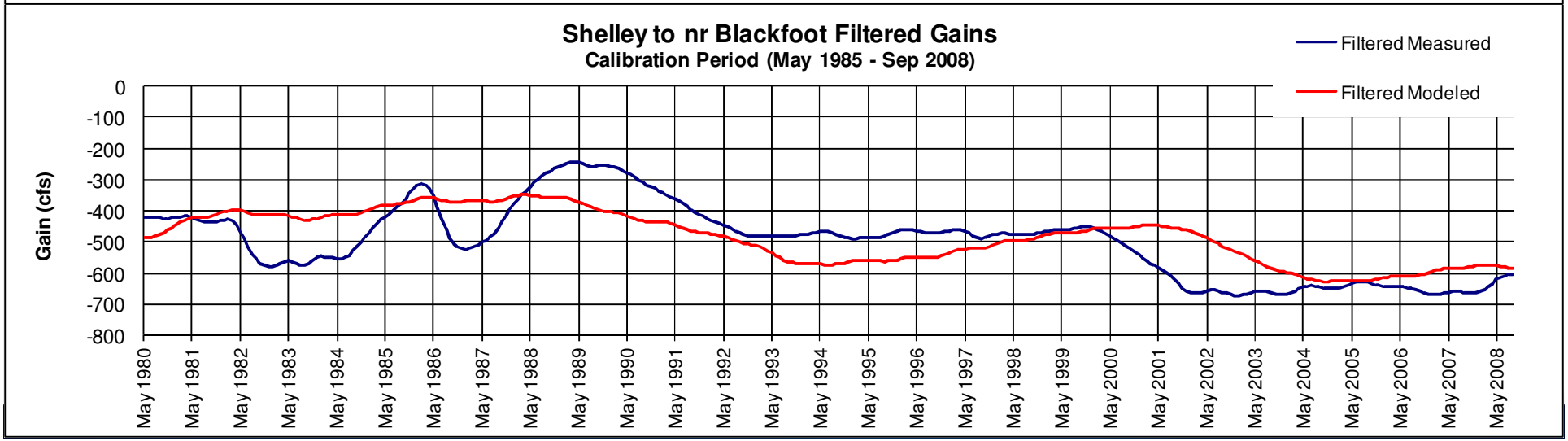
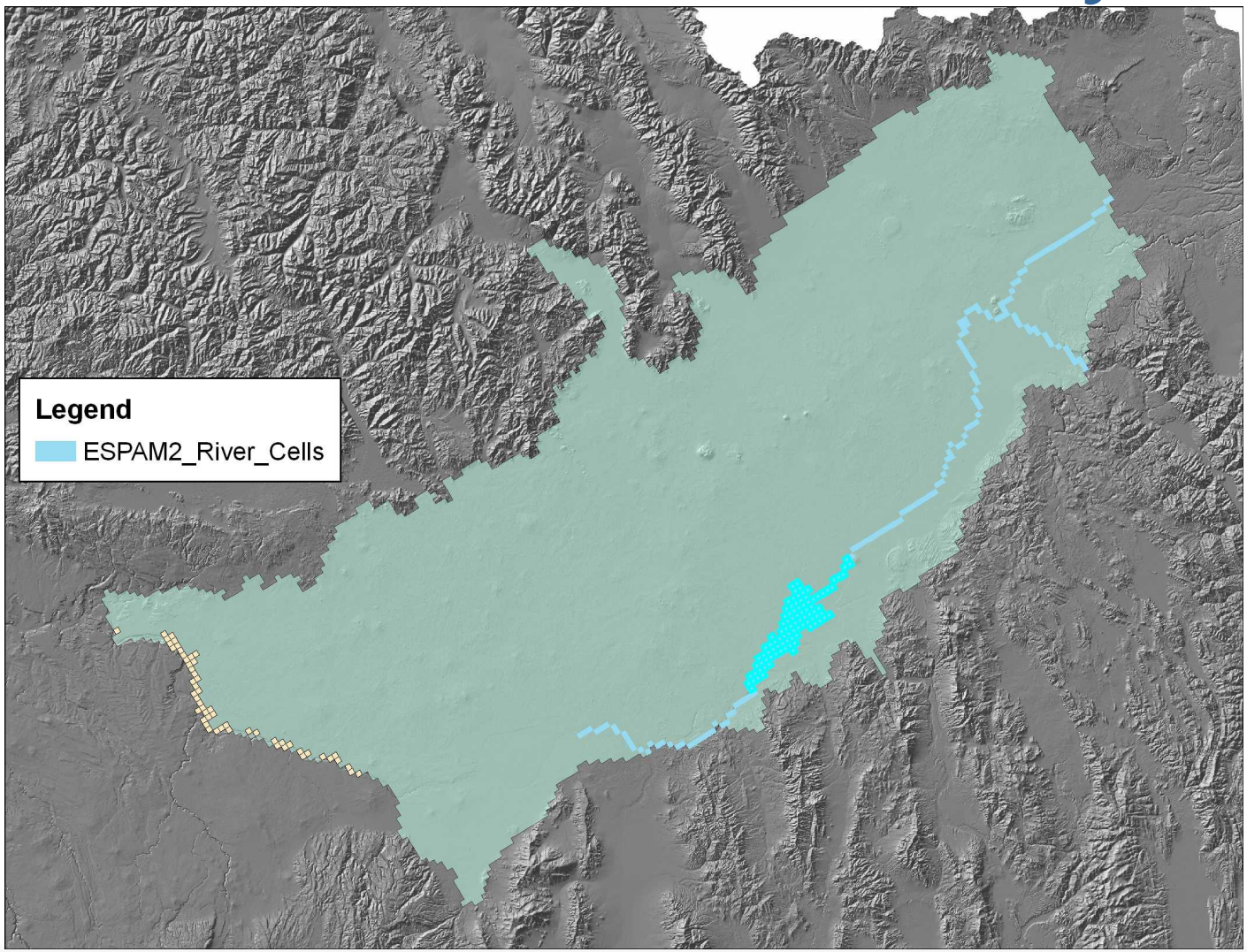
Shelley – nr Blackfoot





Nr Blackfoot - Neeley



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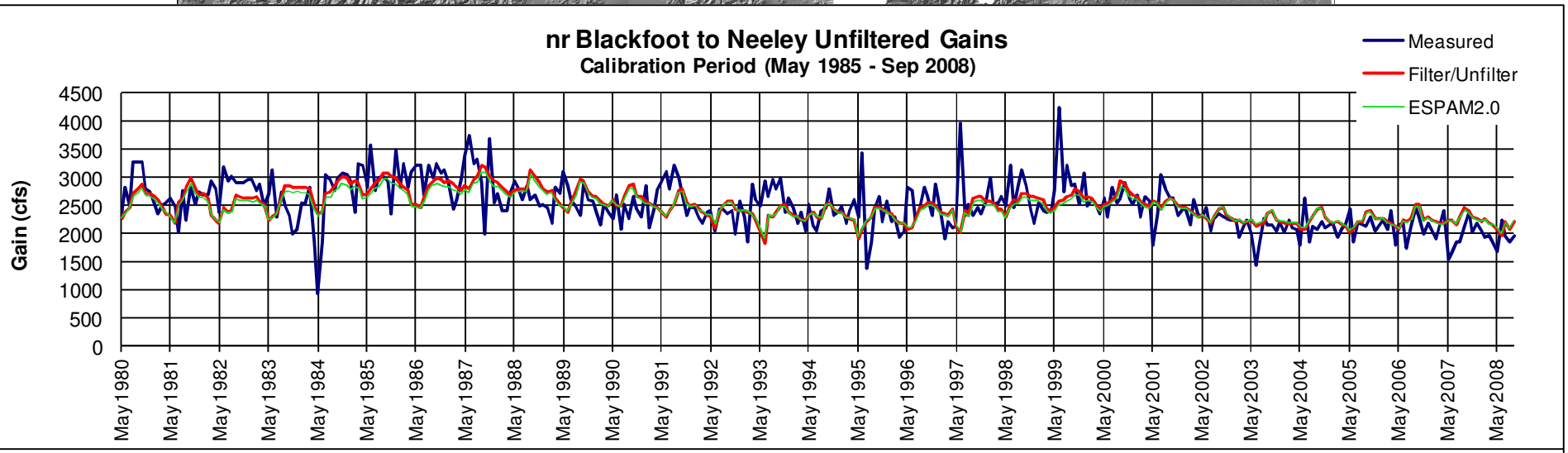
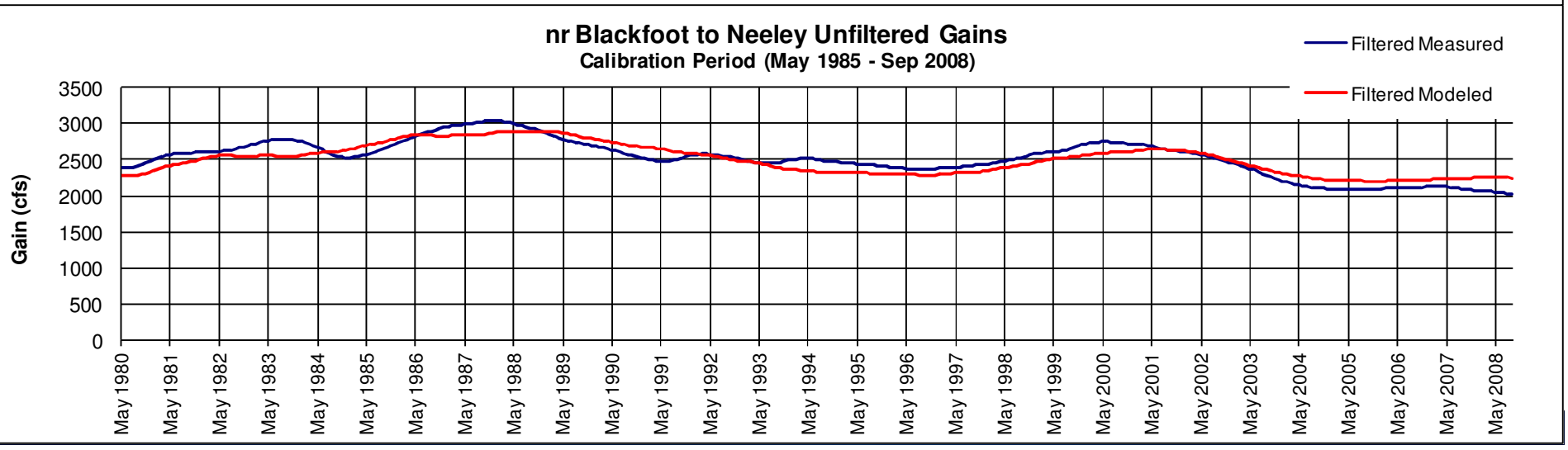
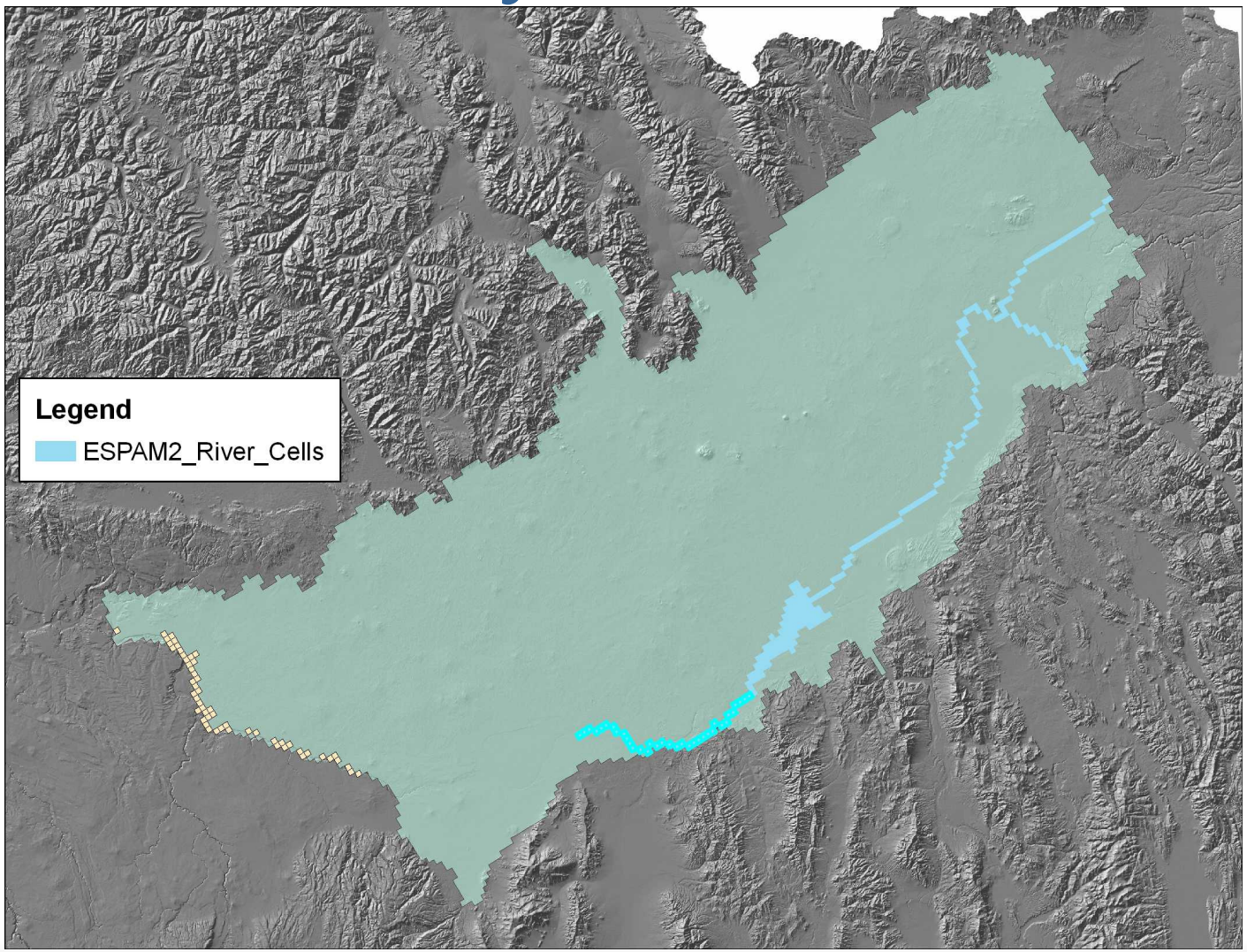
Nr Blackfoot - Neeley





Neeley - Minidoka



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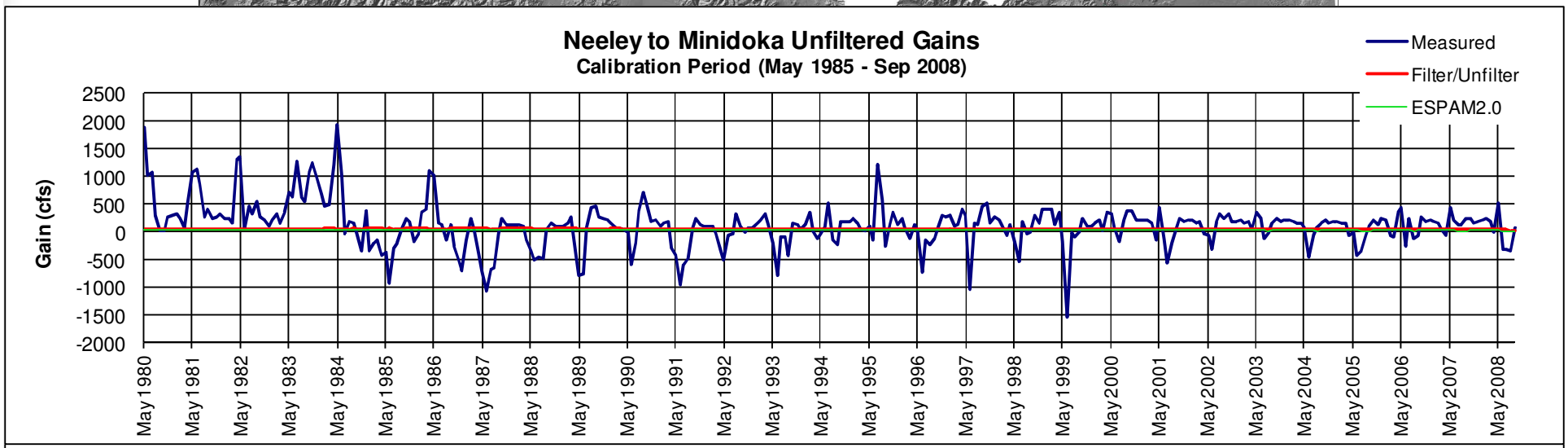
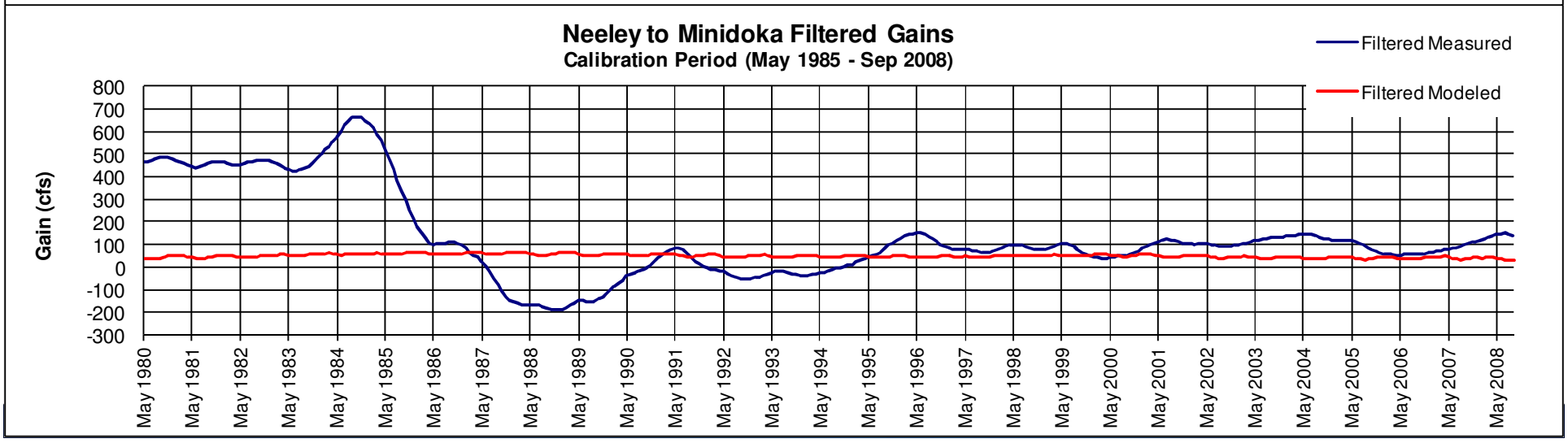
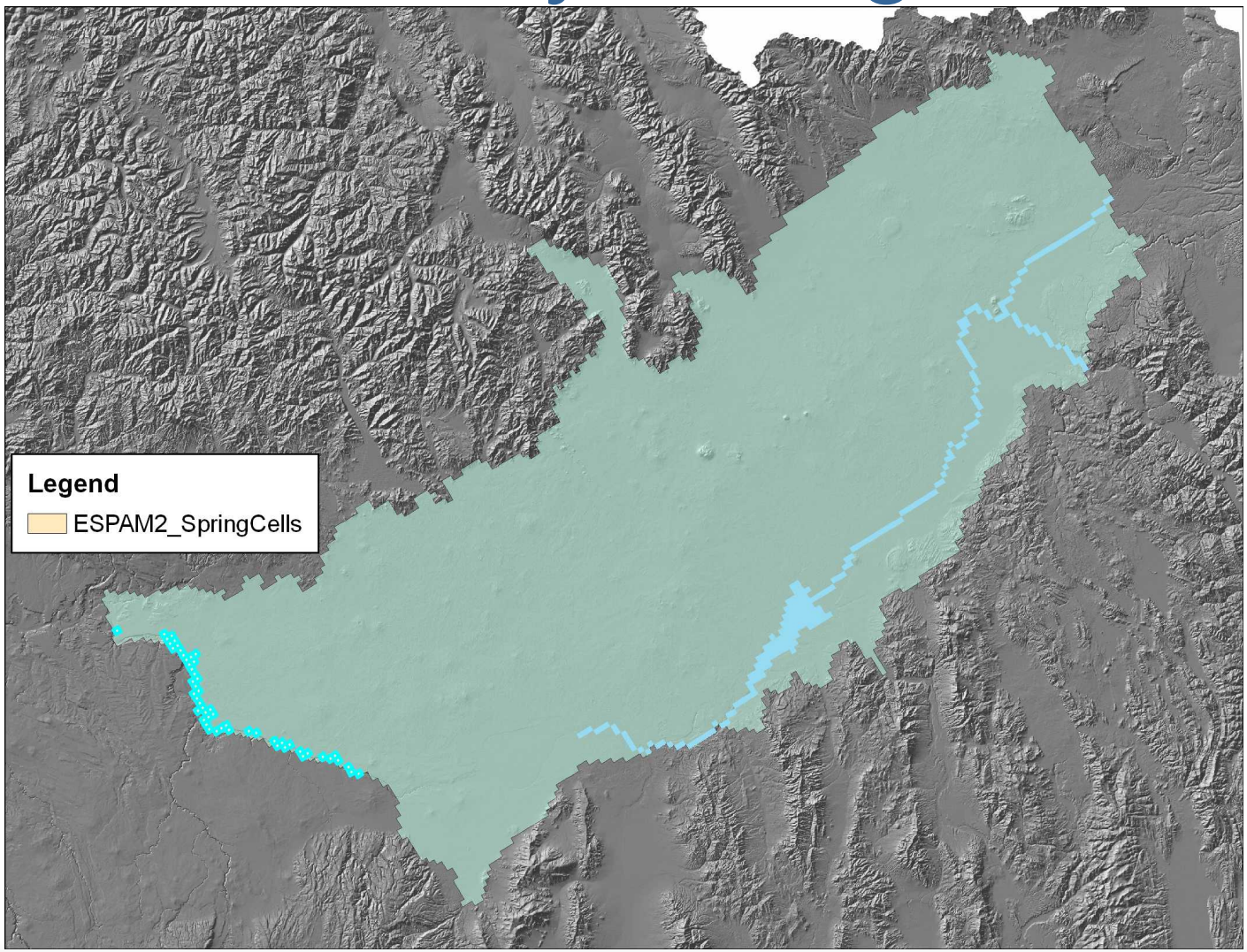




Kimberly – King Hill



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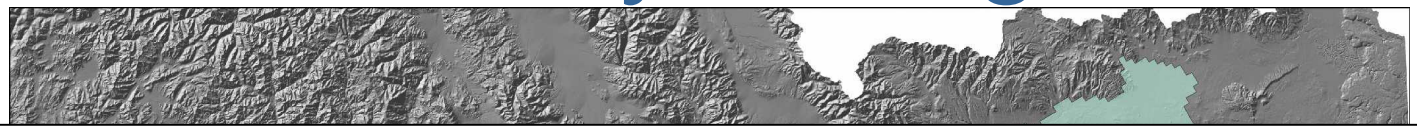
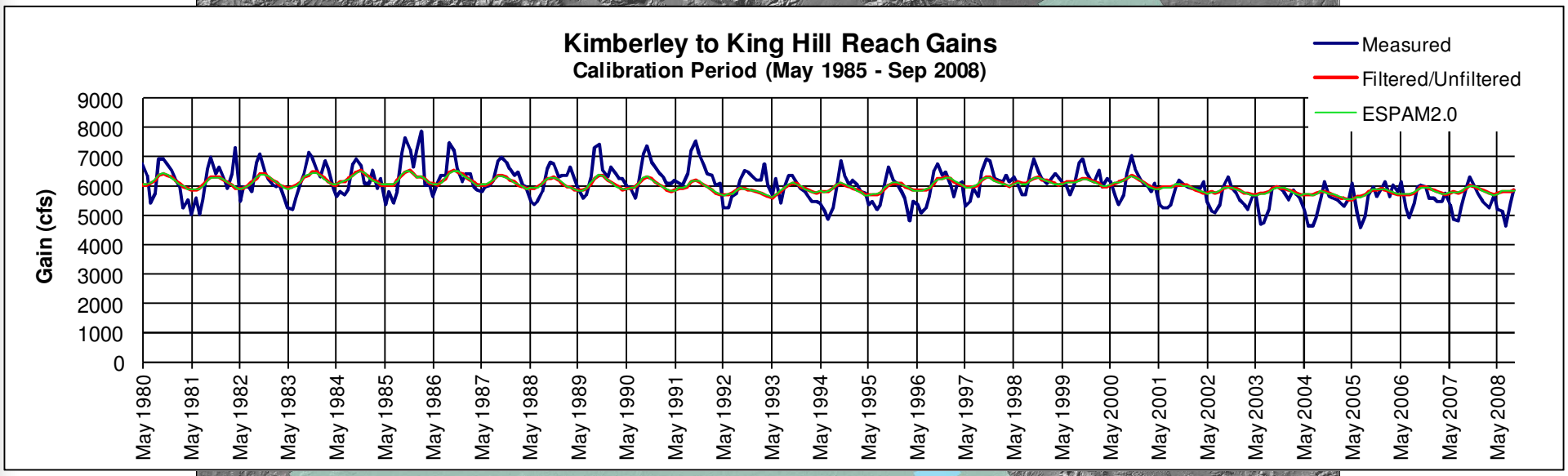
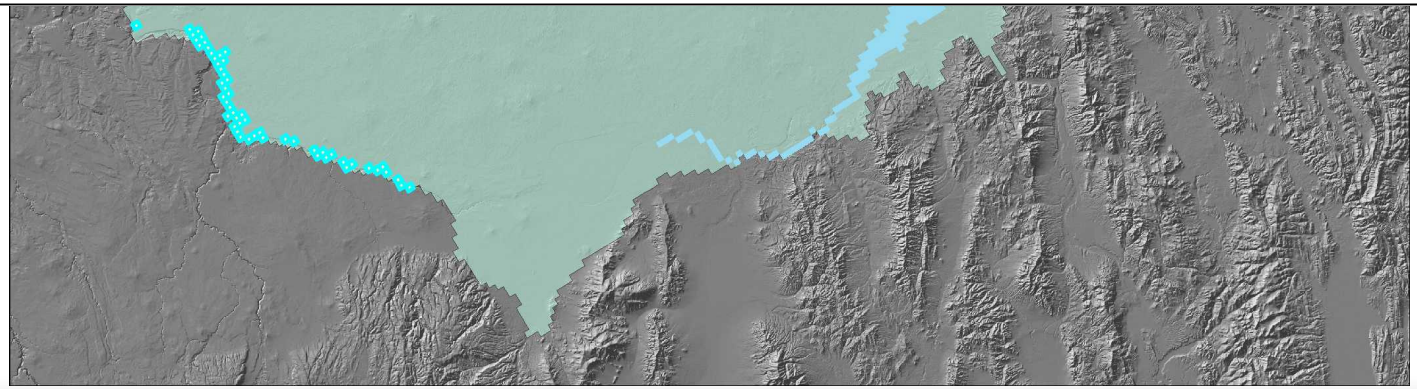
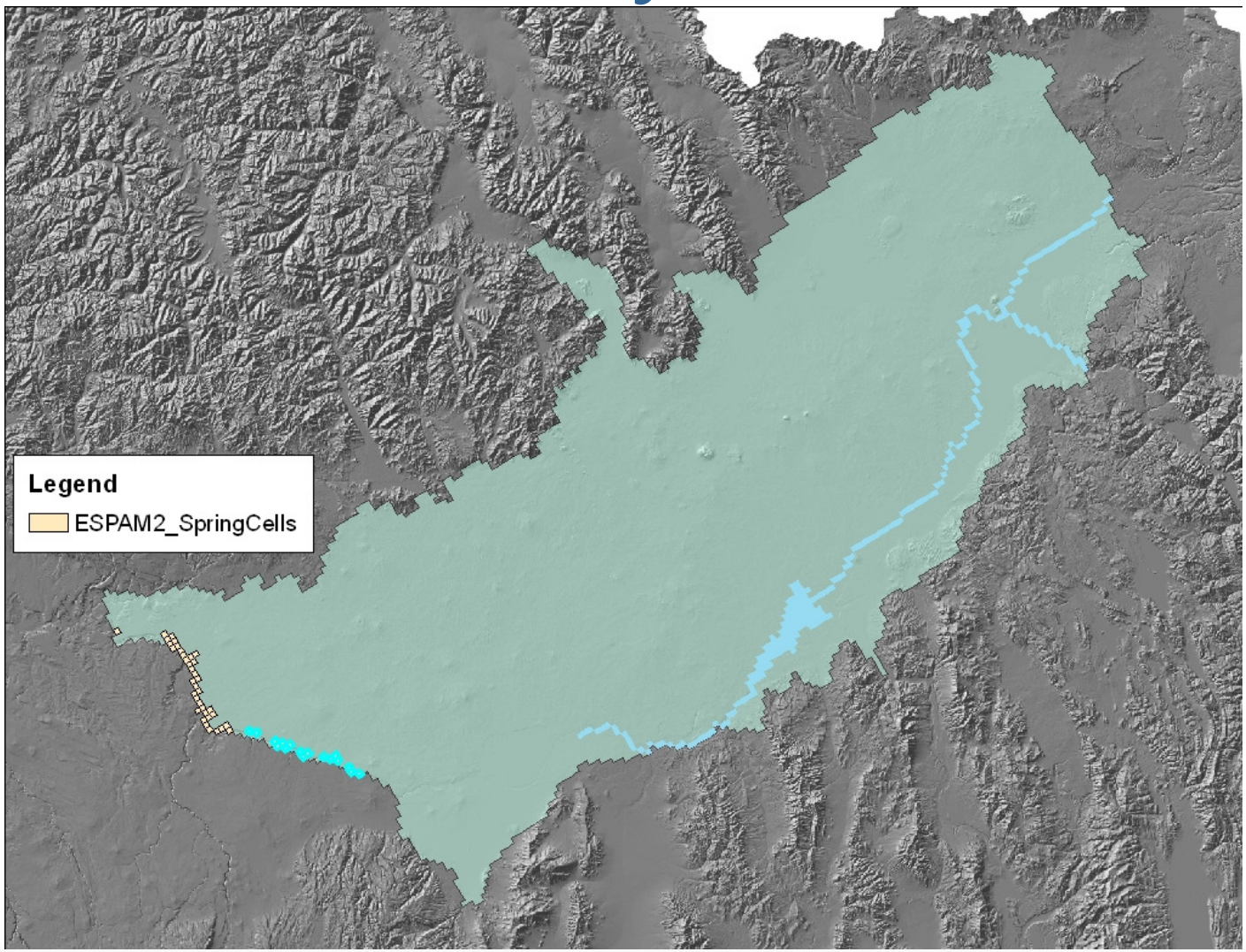






Kimberly – Buhl



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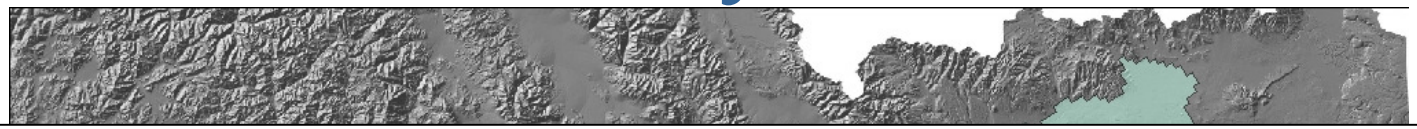
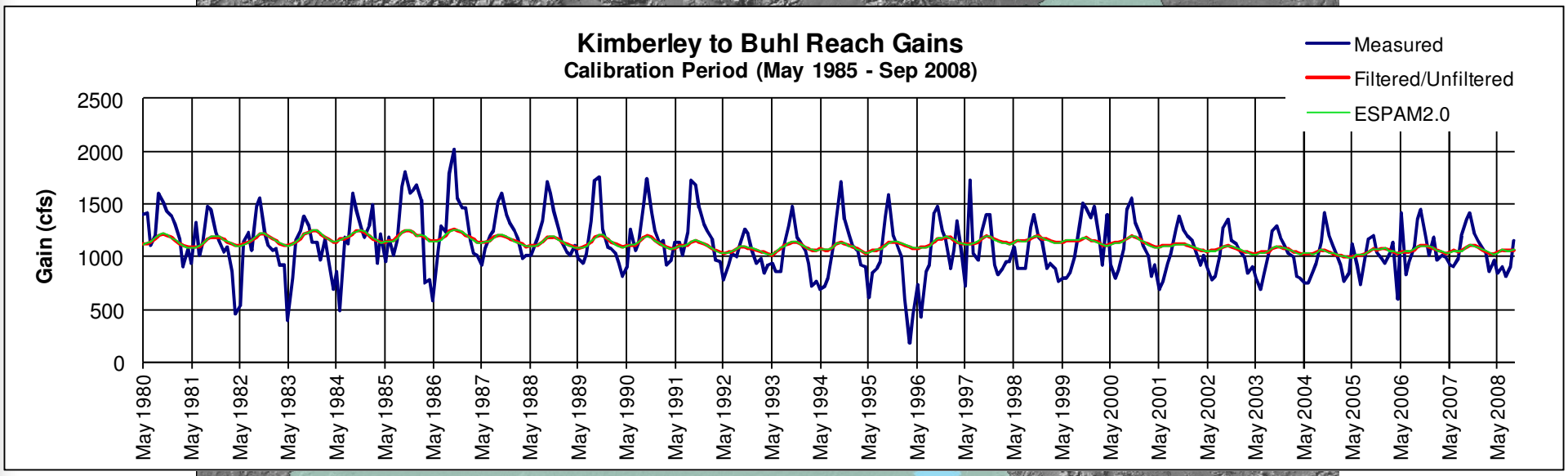
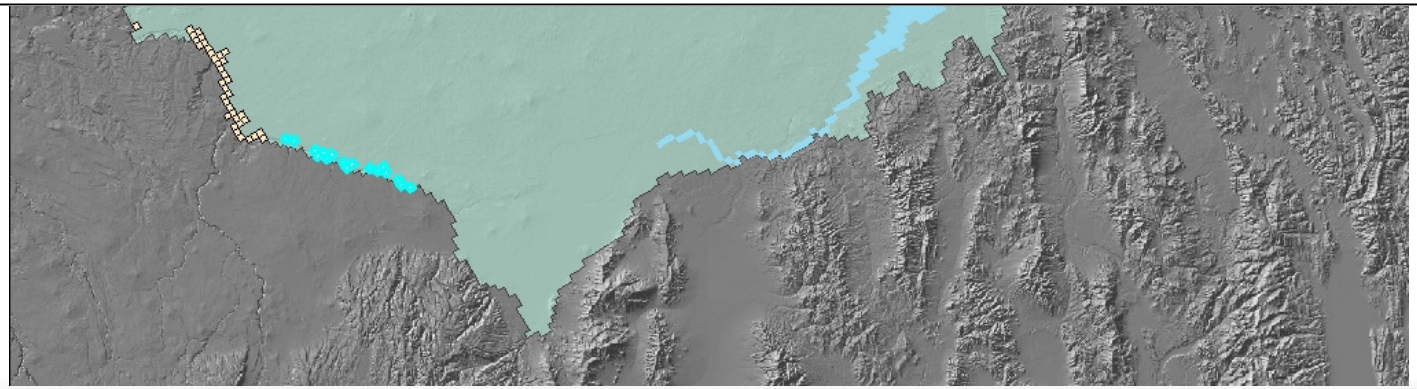
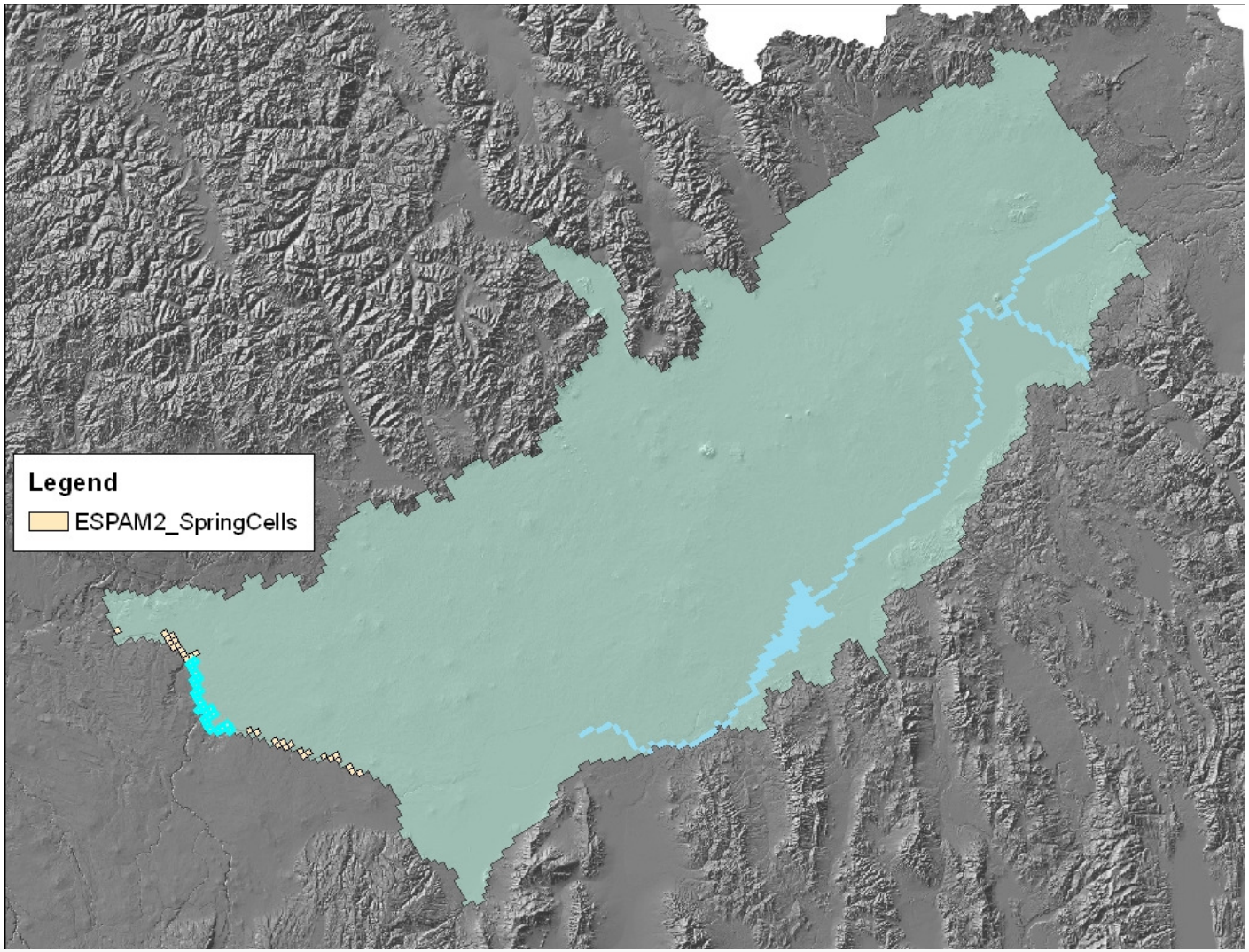




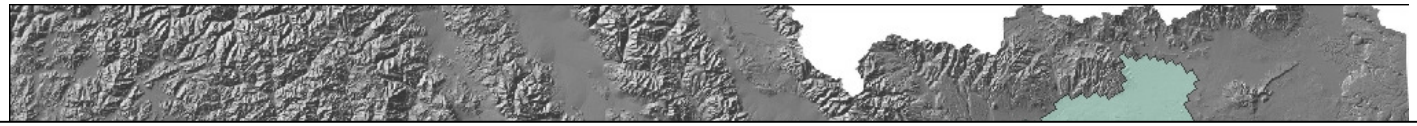


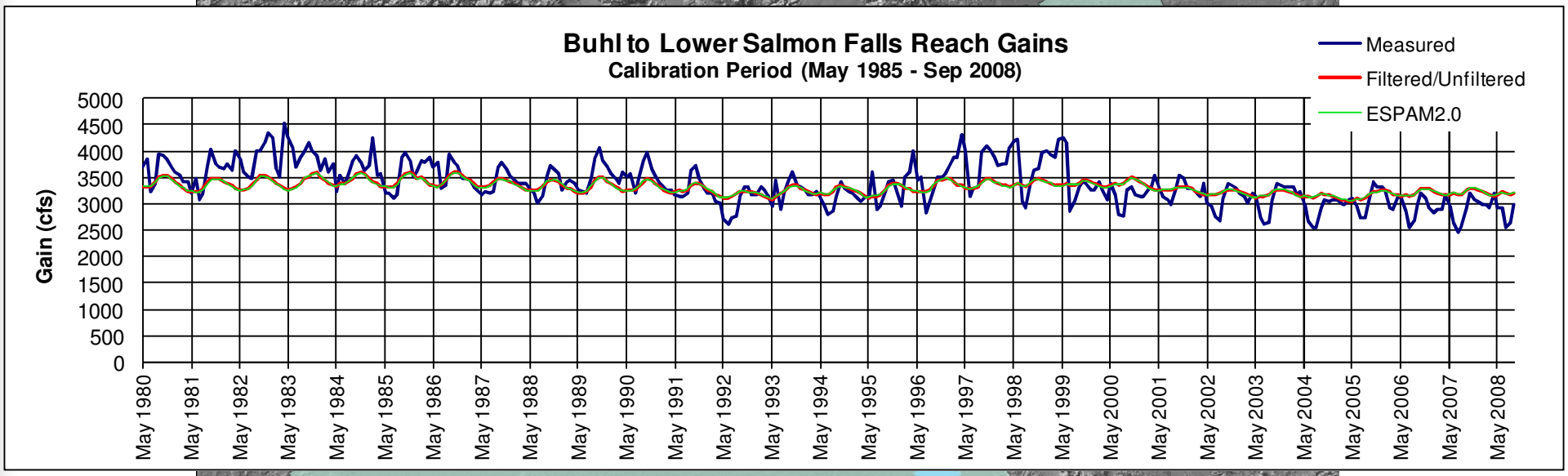
Buhl-Lower Salmon Falls

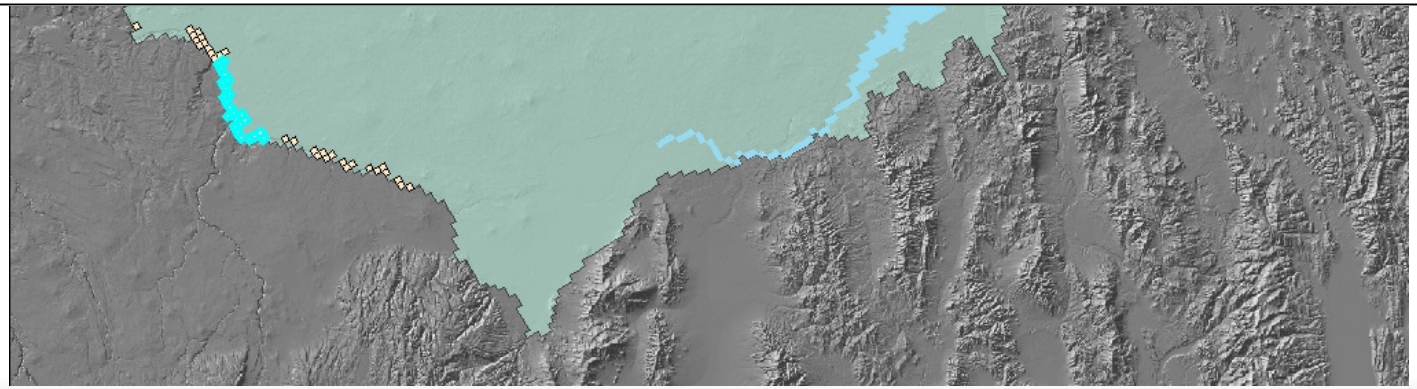


IDAHO Department of Water Resources

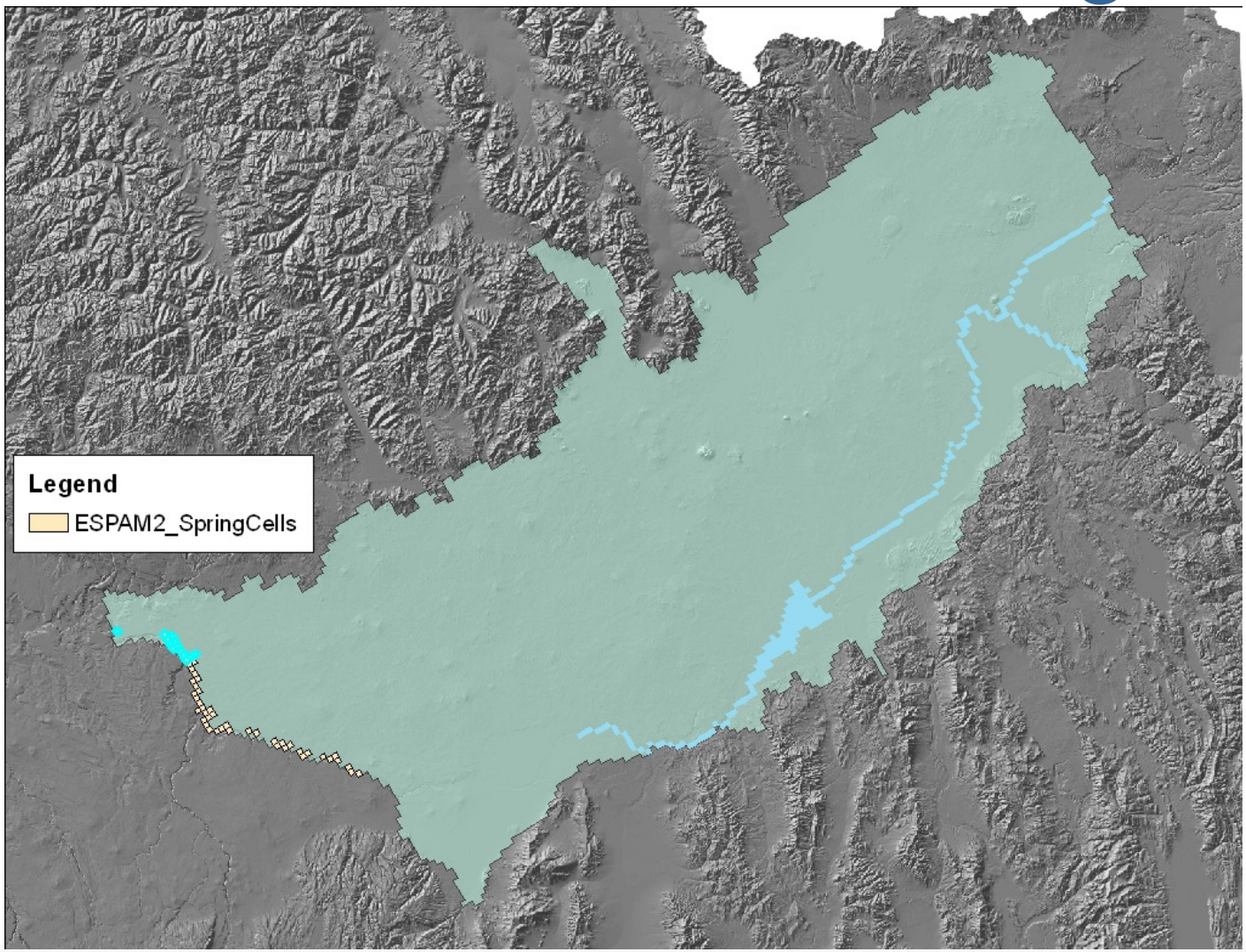
Buhl-Lower Salmon Falls





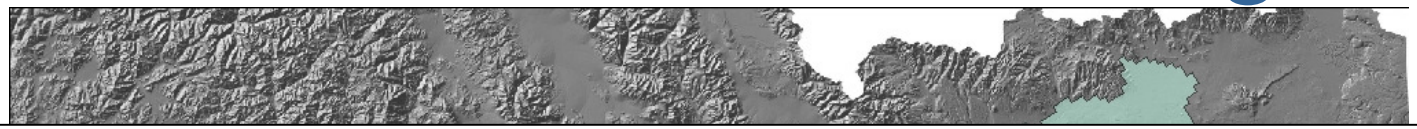


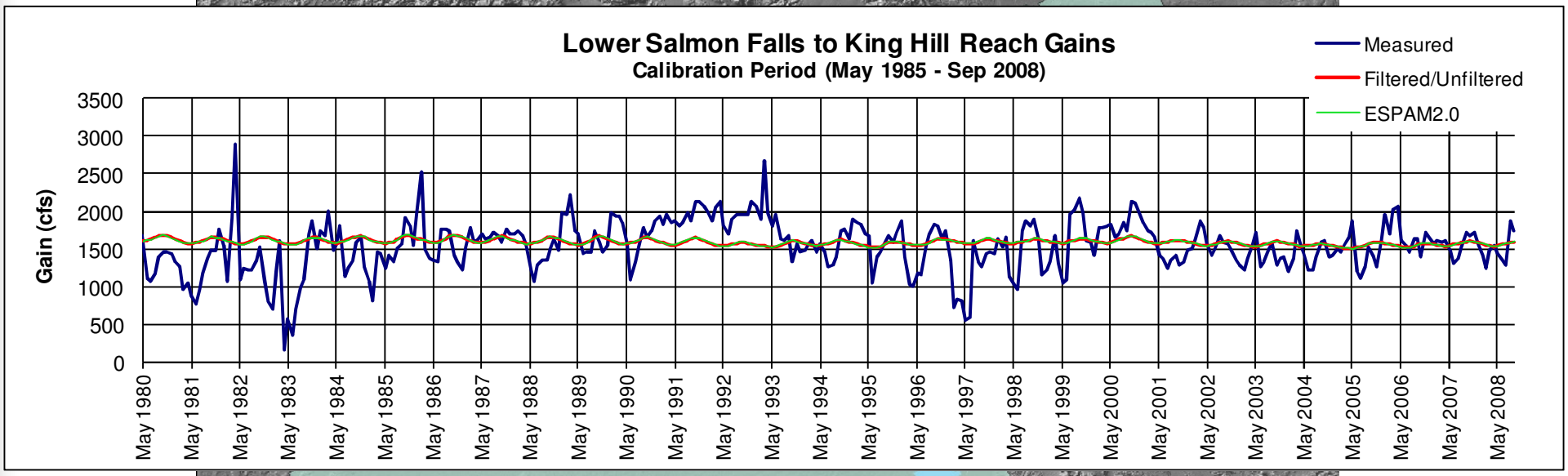
Lower Salmon Falls-King Hill

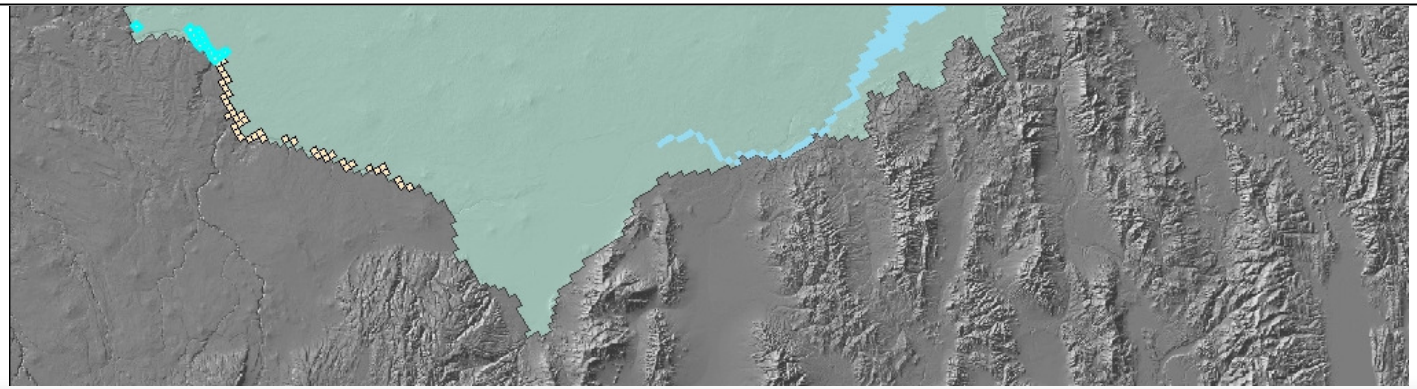


IDAHO Department of Water Resources

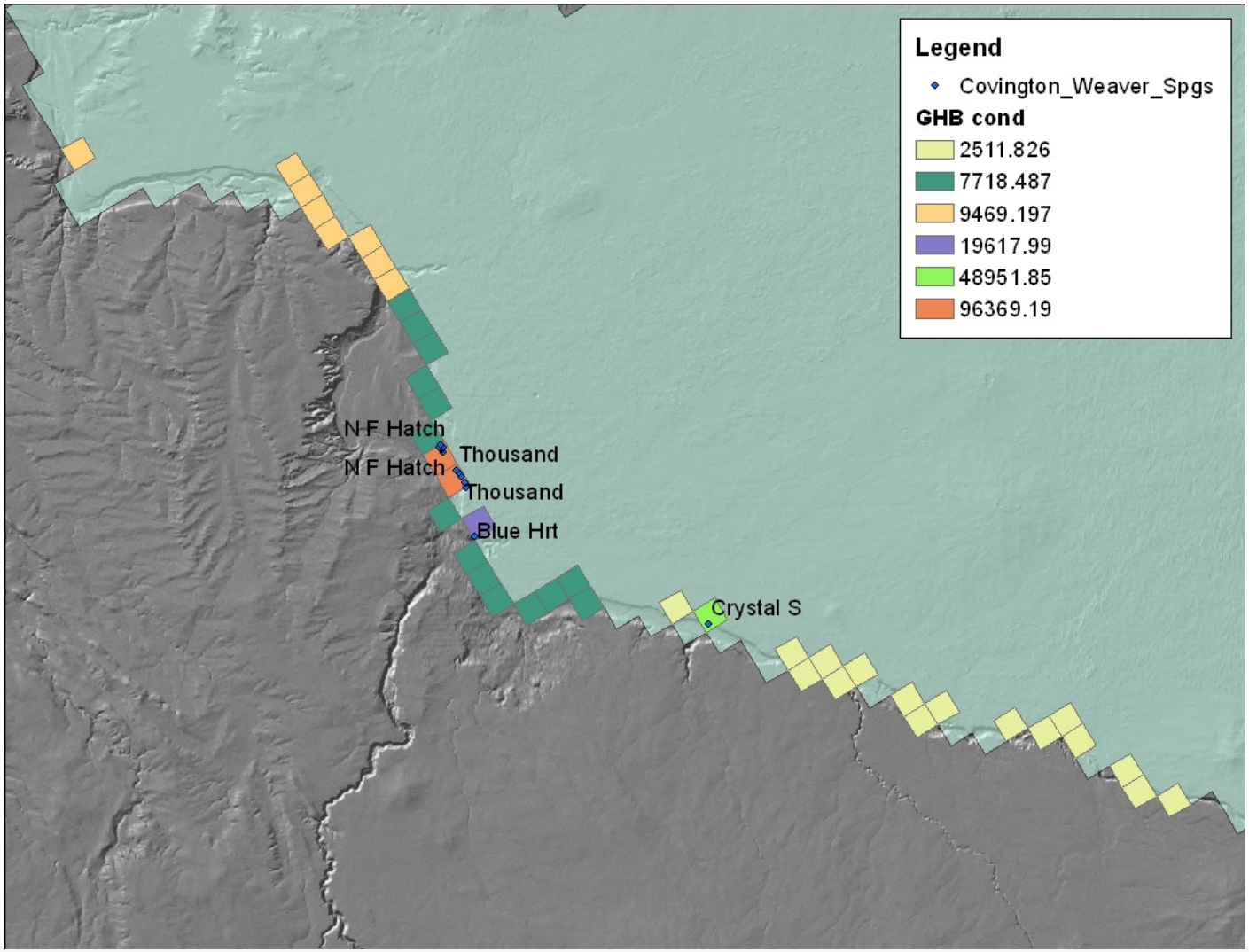
Lower Salmon Falls-King Hill





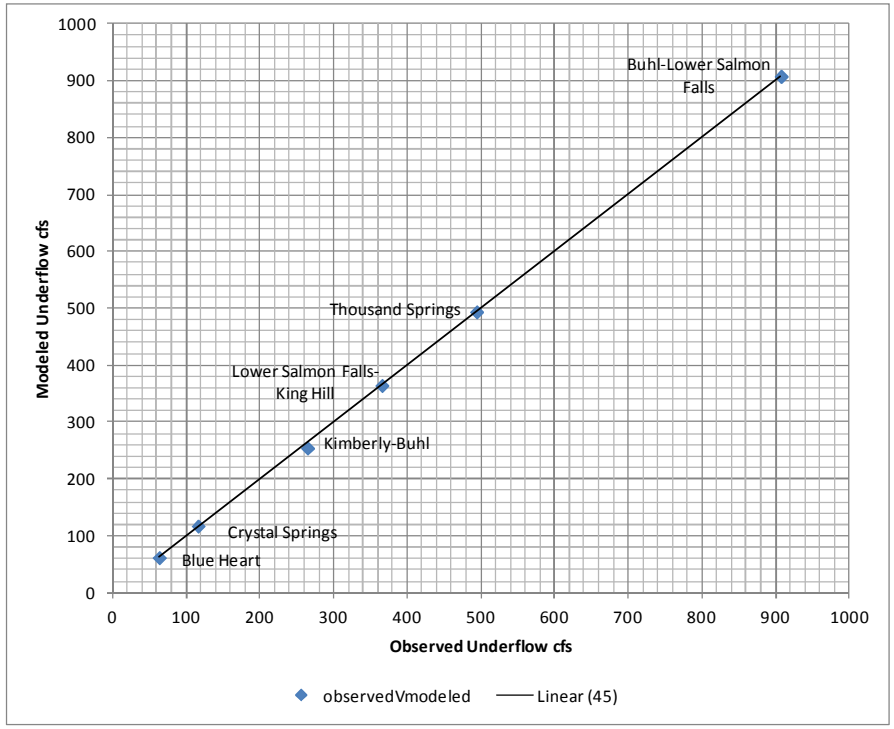


Base Flow

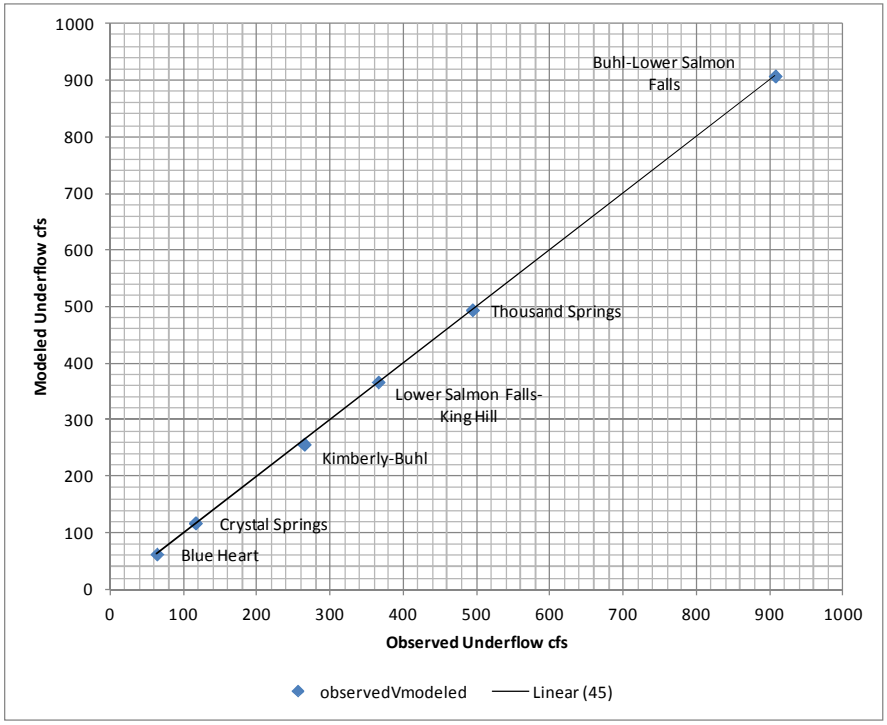

Legend
Covington_Weaver_Spgs
GHB cond
2511.826
7718.487
9469.197
19617.99
48951.85
96369.19
N F Hatch
Thousand
N F Hatch
Thousand
Blue Hrt
Crystal S

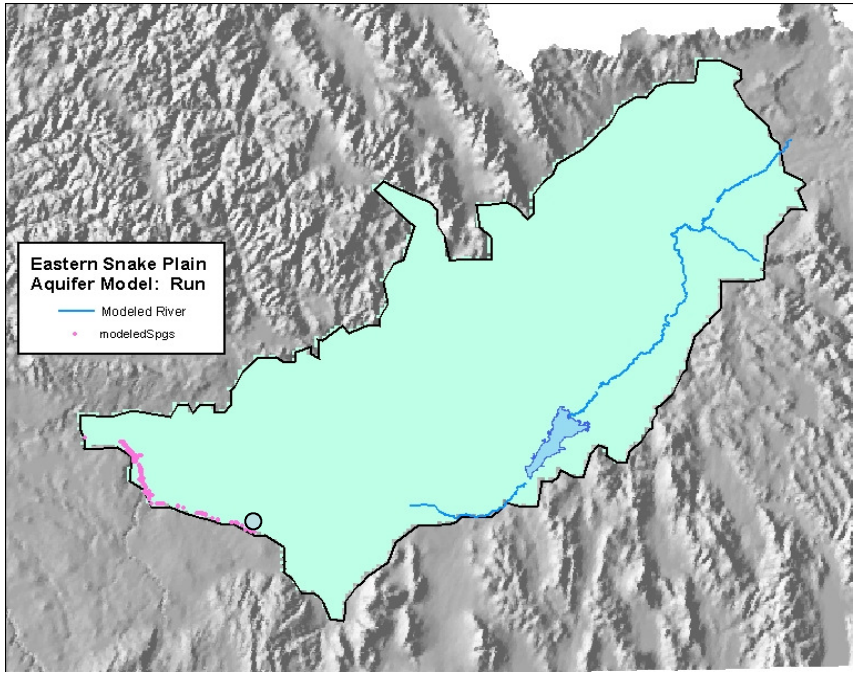
Base Flow

ESPAM02



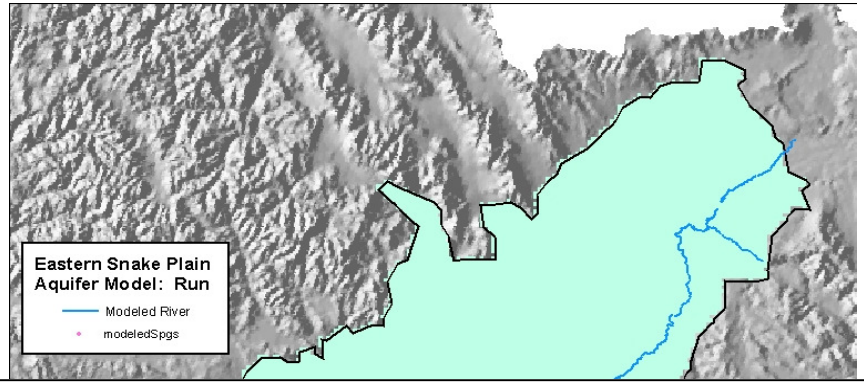
Filtered/Unfiltered

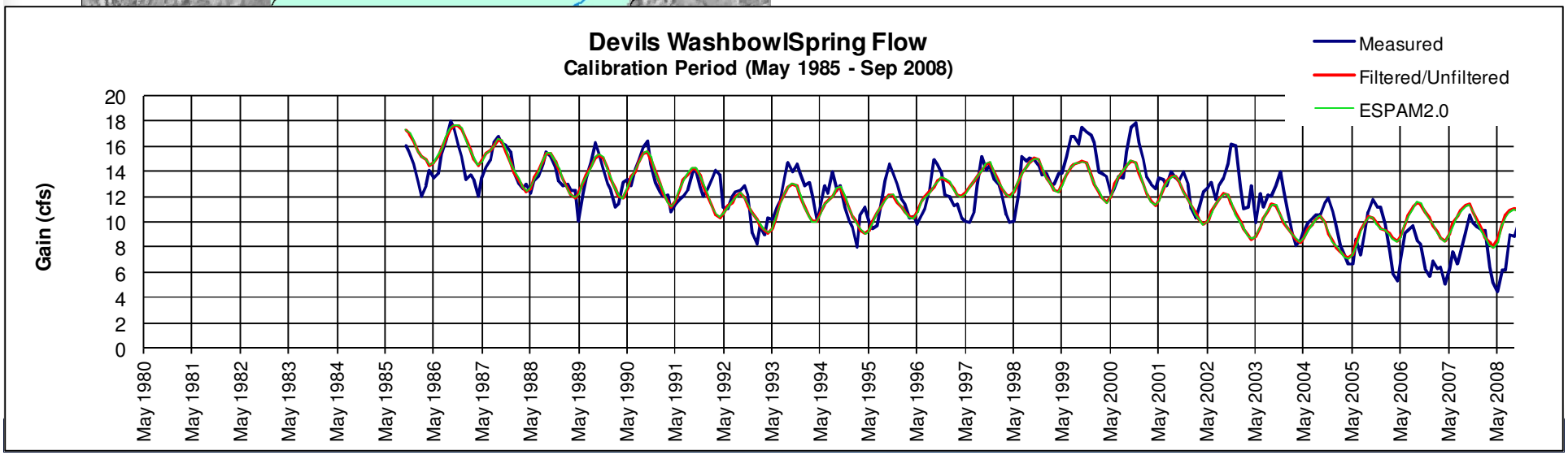


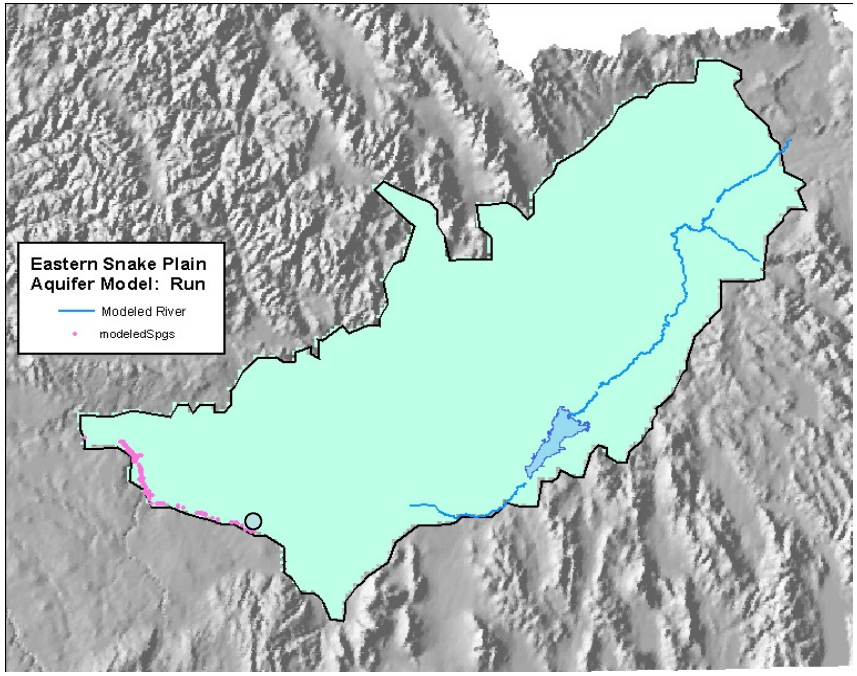


- Devils Washbowl

- Devils Washbowl

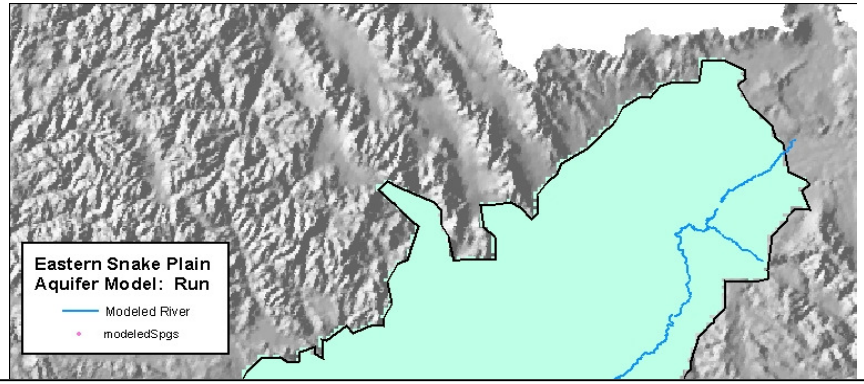


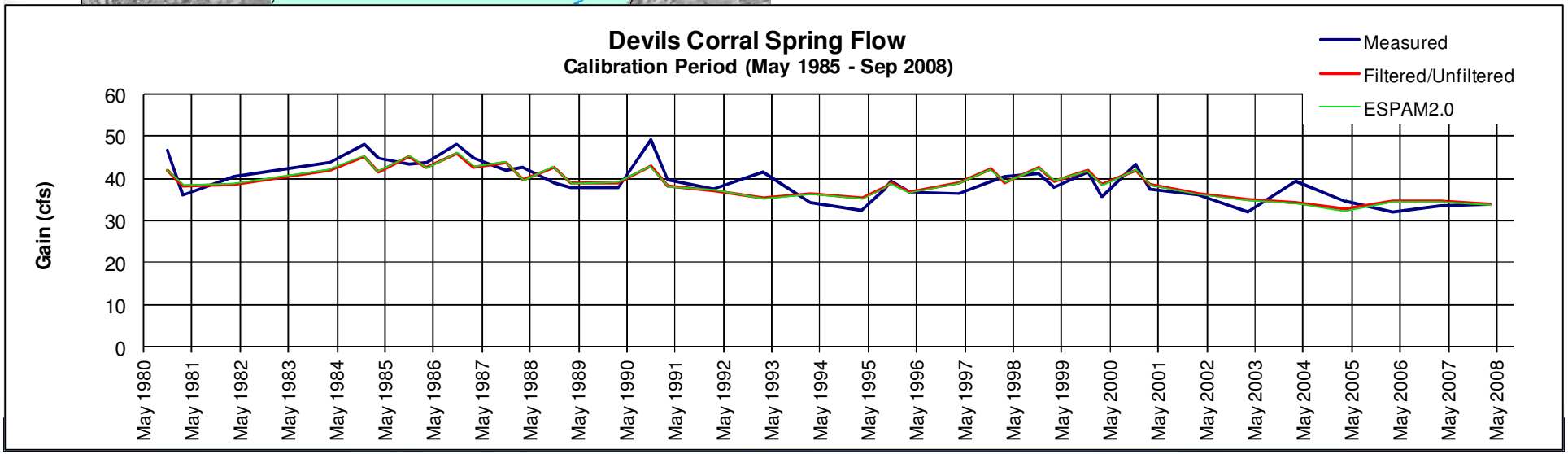


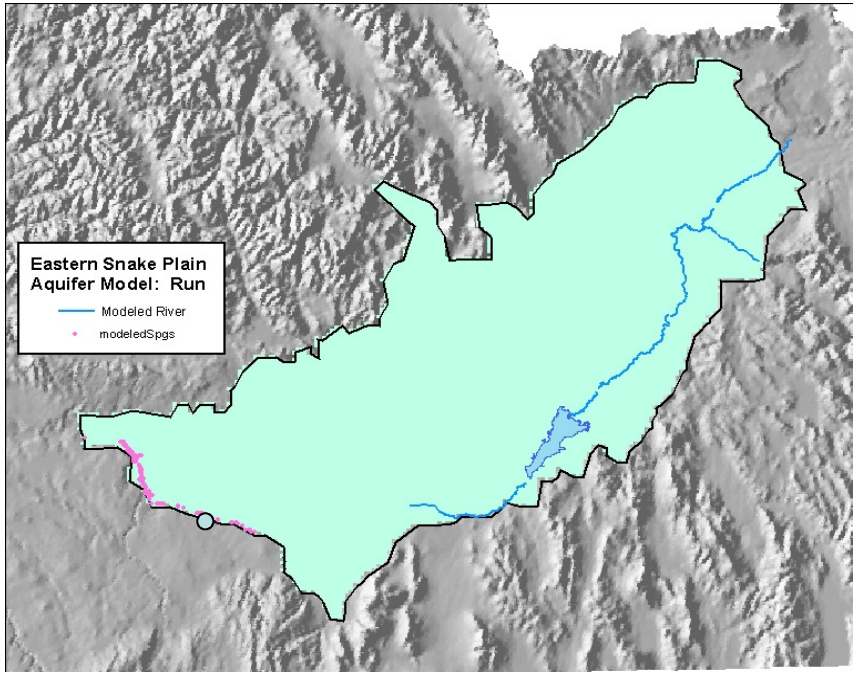


- Devils Corral

- Devils Corral

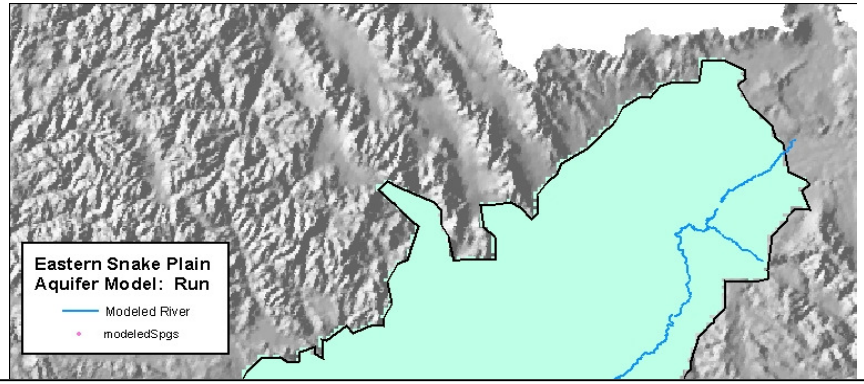


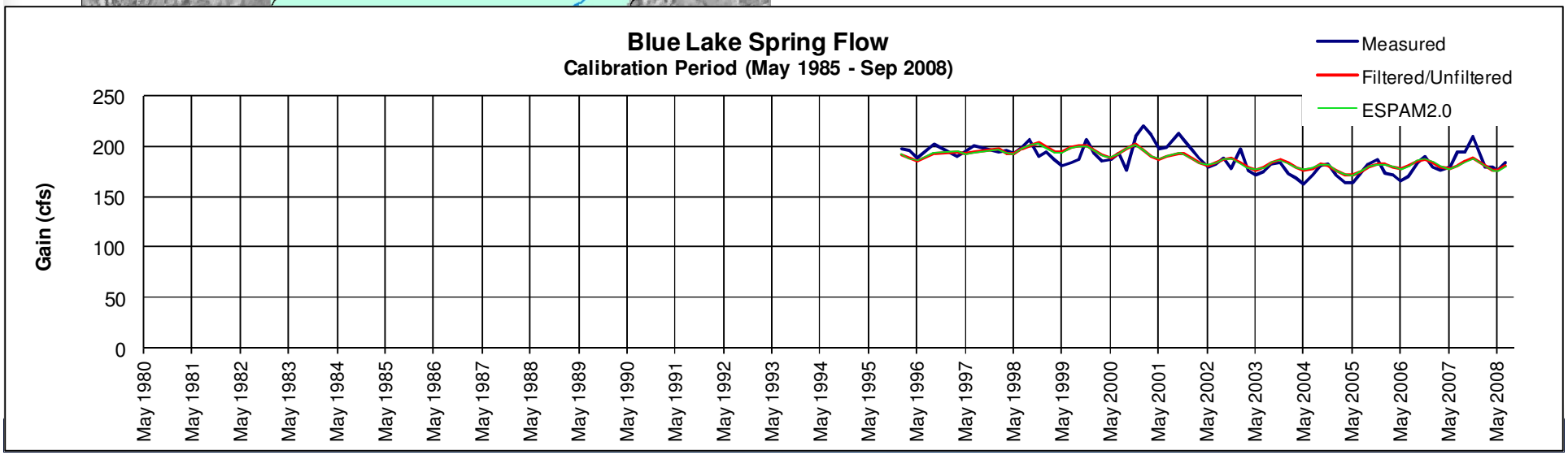



Eastern Snake Plain
Aquifer Model: Run
Modeled River
modeledSpgs

- Blue Lakes

- Blue Lakes


Eastern Snake Plain
Aquifer Model: Run
Modeled River
modeledSpgs


Blue Lake Spring Flow
Calibration Period (May 1985 - Sep 2008)
Measured
Filtered/Unfiltered
ESPAM2.0
Gain (cfs)
250
200
150
100
50
0
May 1980
May 1981
May 1982
May 1983
May 1984
May 1985
May 1986
May 1987
May 1988
May 1989
May 1990
May 1991
May 1992
May 1993
May 1994
May 1995
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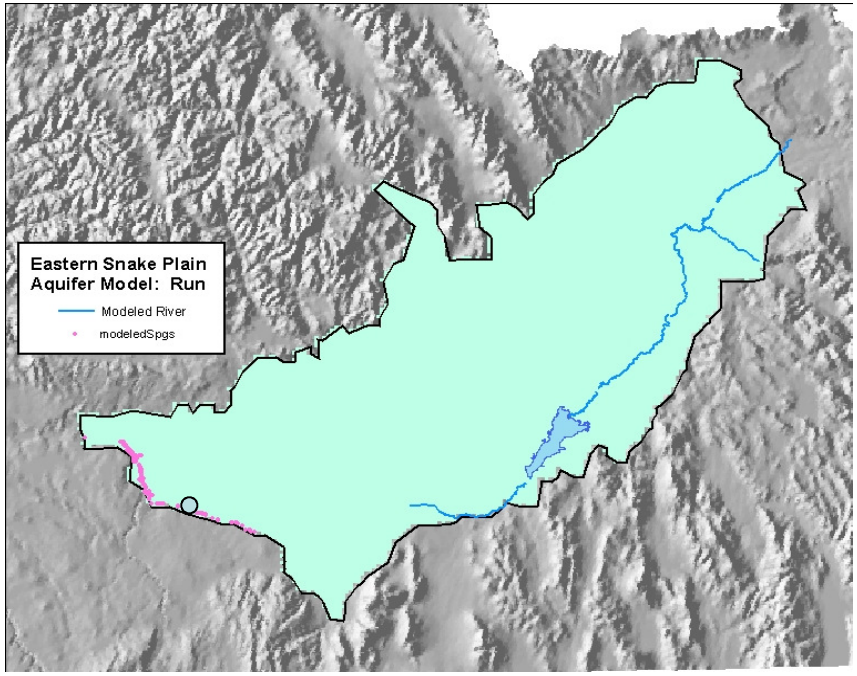
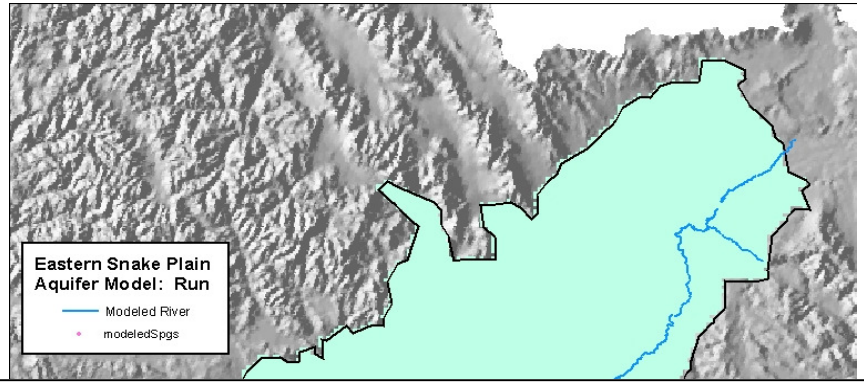
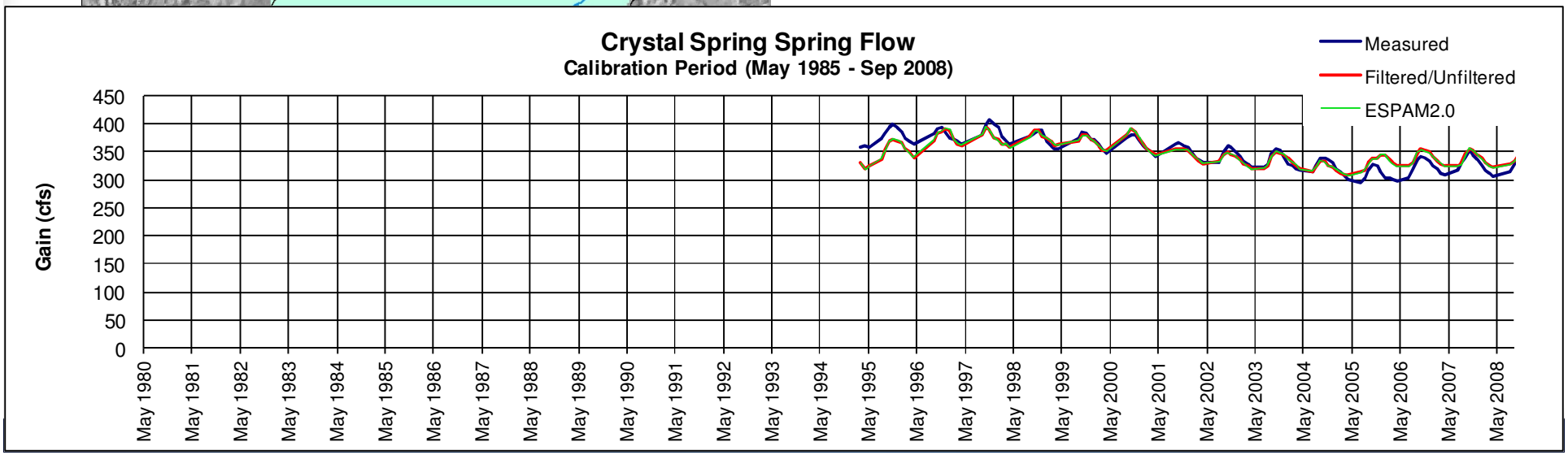
May 2004
May 2005
May 2006
May 2007
May 2008

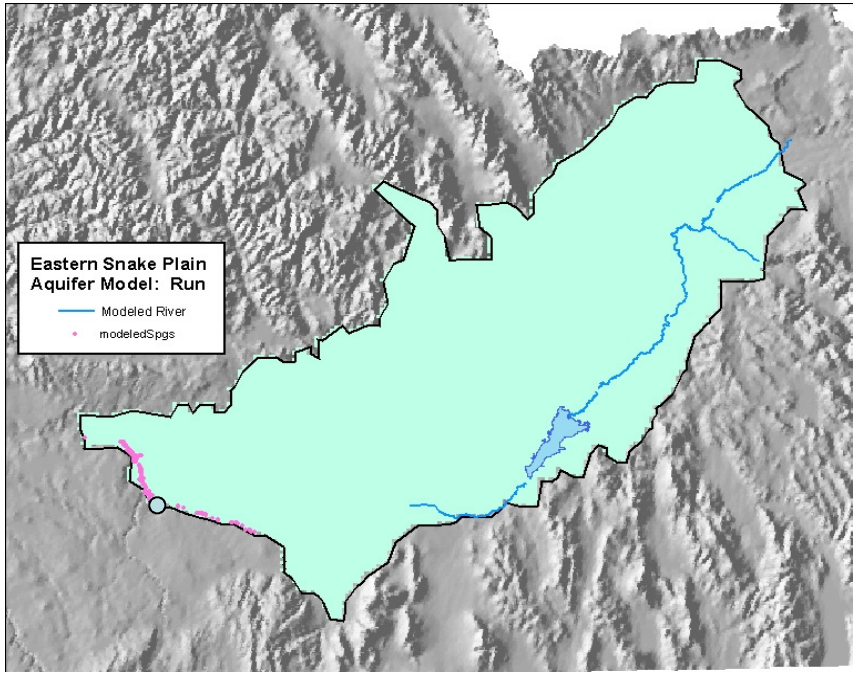


- Crystal Springs

- Crystal Springs

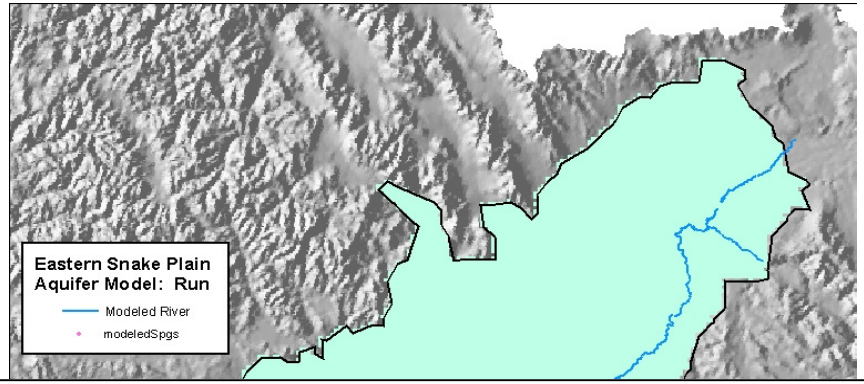


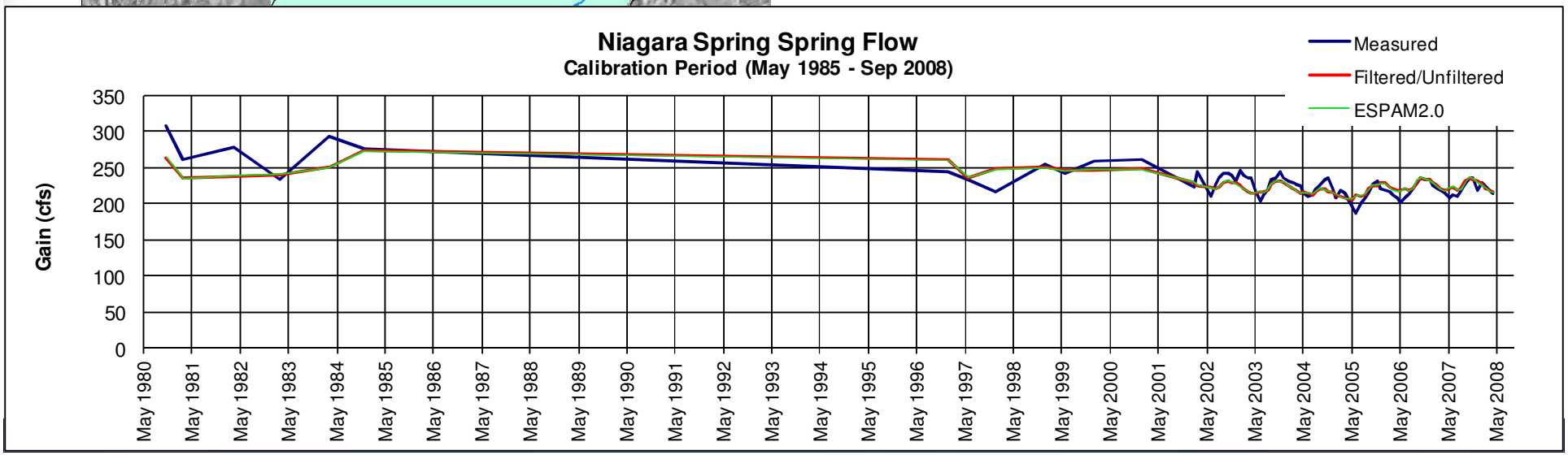



Eastern Snake Plain
Aquifer Model: Run
Modeled River
modeledSpgs

- Niagara

- Niagara


Eastern Snake Plain
Aquifer Model: Run
Modeled River
modeledSpgs


Niagara Spring Spring Flow
Calibration Period (May 1985 - Sep 2008)
Measured
Filtered/Unfiltered
ESPAM2.0
Gain (cfs)
350
300
250
200
150
100
50
0
May 1980
May 1981
May 1982
May 1983
May 1984
May 1985
May 1986
May 1987
May 1988
May 1989
May 1990
May 1991
May 1992
May 1993
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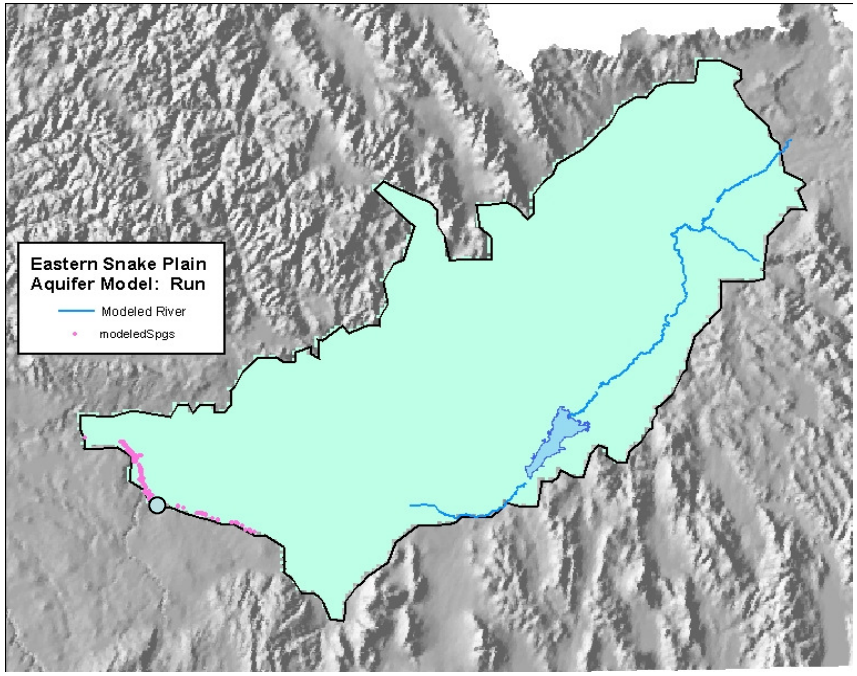
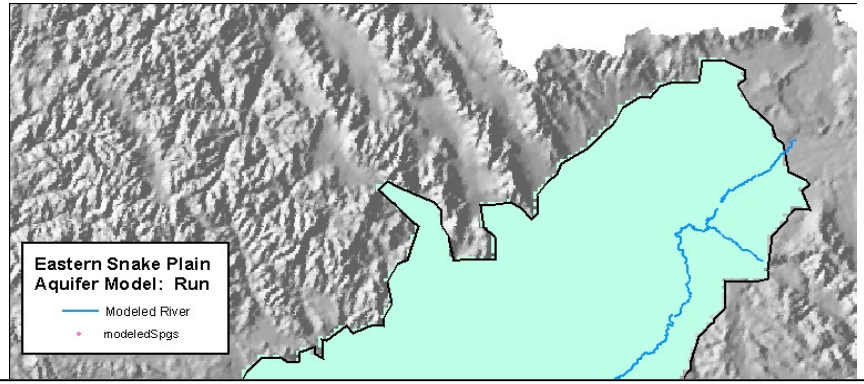
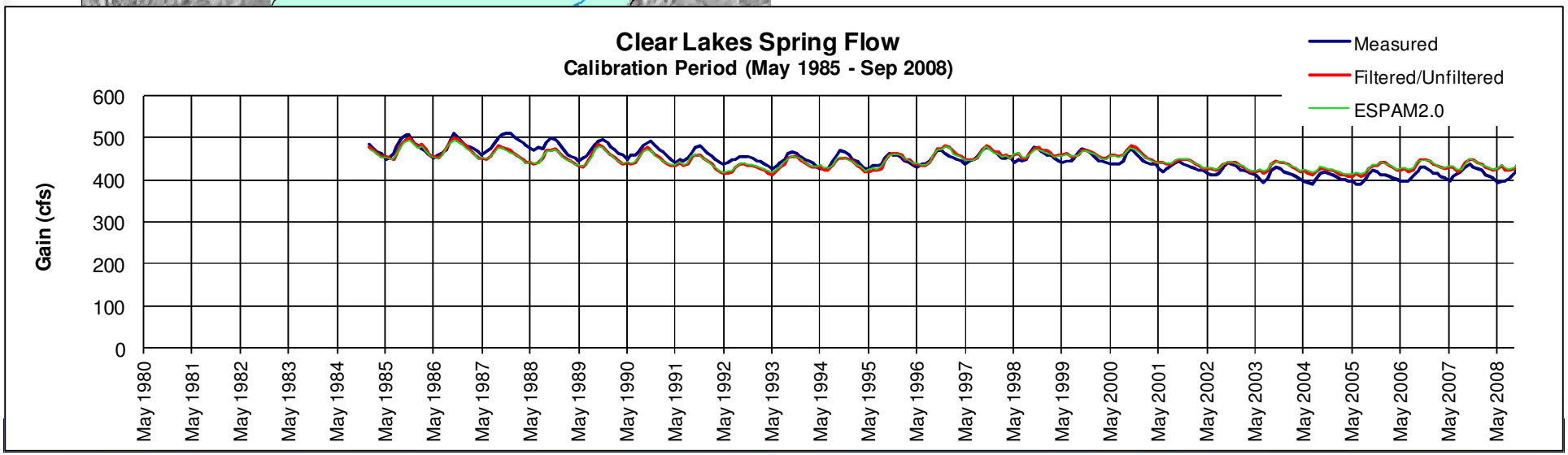
May 2004
May 2005
May 2006
May 2007
May 2008


Eastern Snake Plain
Aquifer Model: Run
Modeled River
modeledSpgs

- Clear Lakes

- Clear Lakes


Eastern Snake Plain
Aquifer Model: Run
Modeled River
modeledSpgs


Clear Lakes Spring Flow
Calibration Period (May 1985 - Sep 2008)
Measured
Filtered/Unfiltered
ESPAM2.0
Gain (cfs)
600
500
400
300
200
100
0
May 1980
May 1981
May 1982
May 1983
May 1984
May 1985
May 1986
May 1987
May 1988
May 1989
May 1990
May 1991
May 1992
May 1993
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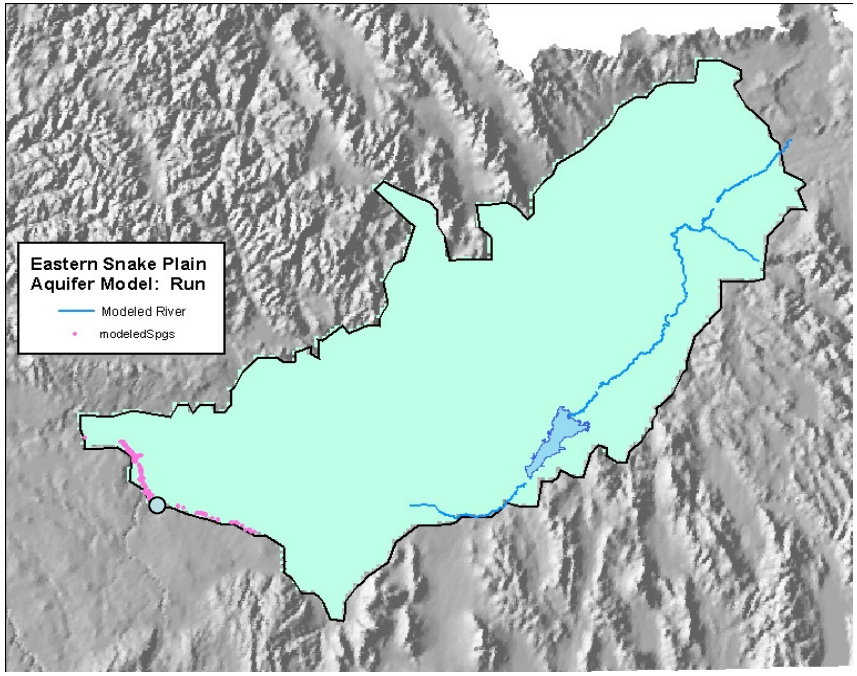
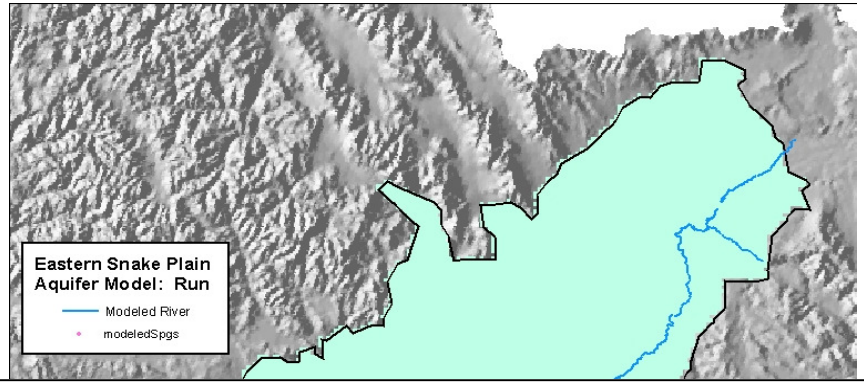
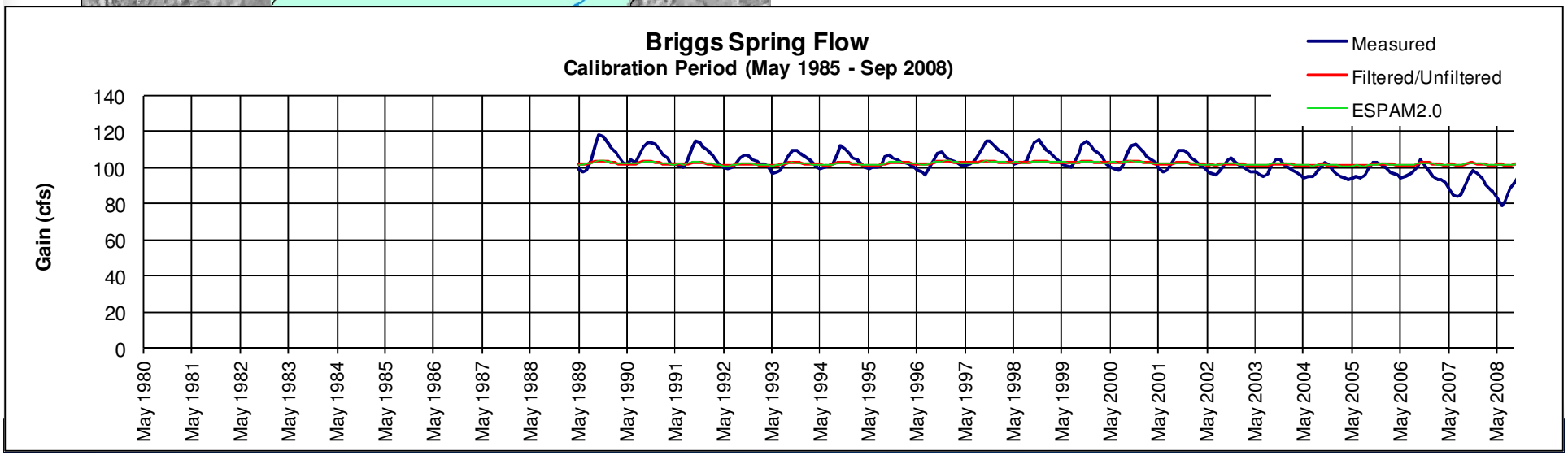
May 2004
May 2005
May 2006
May 2007
May 2008

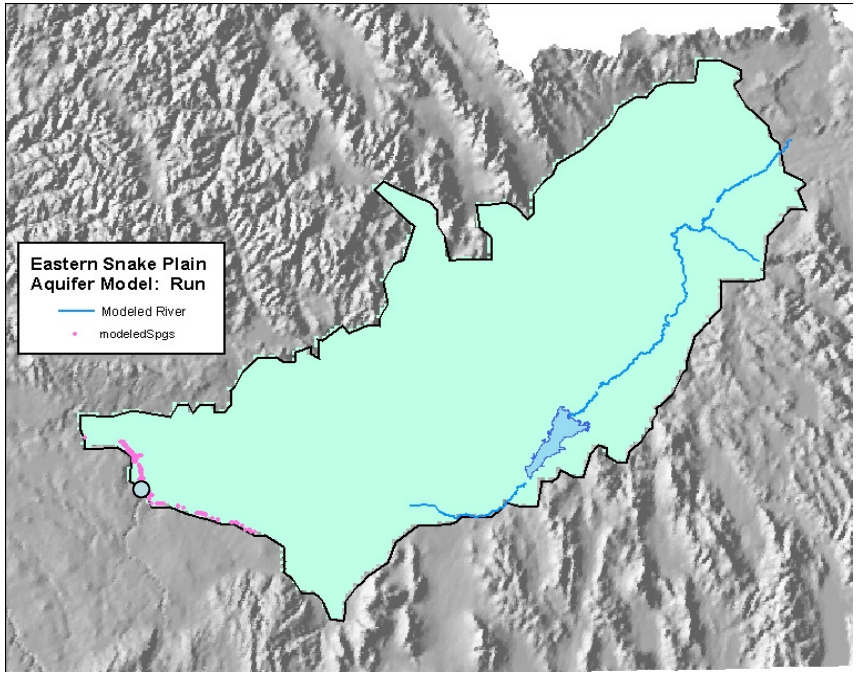


- Briggs Spring

- Briggs Spring

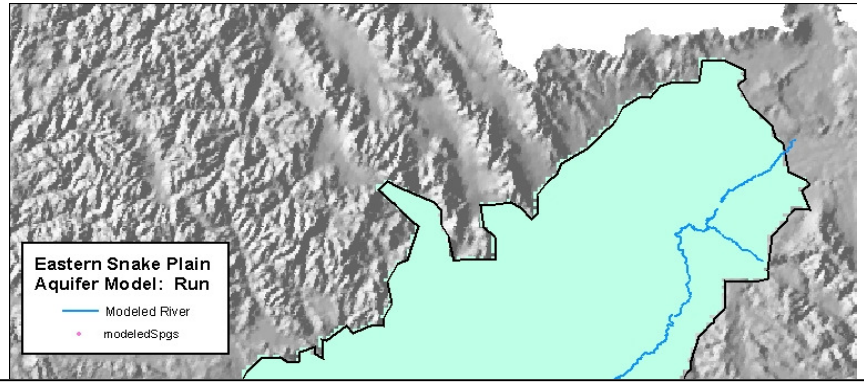


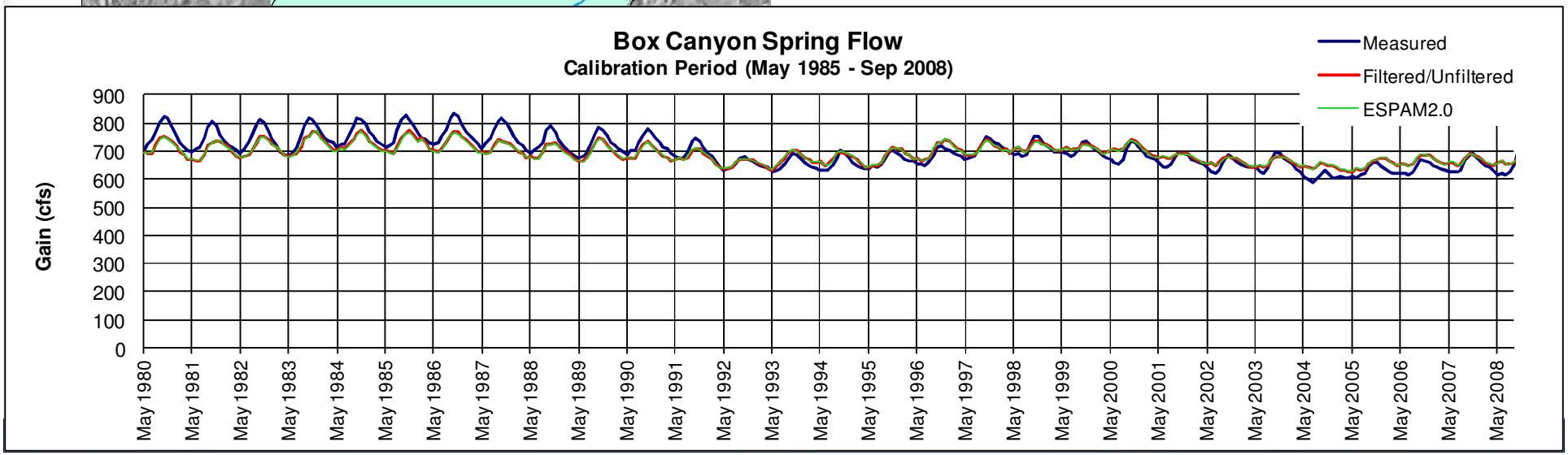


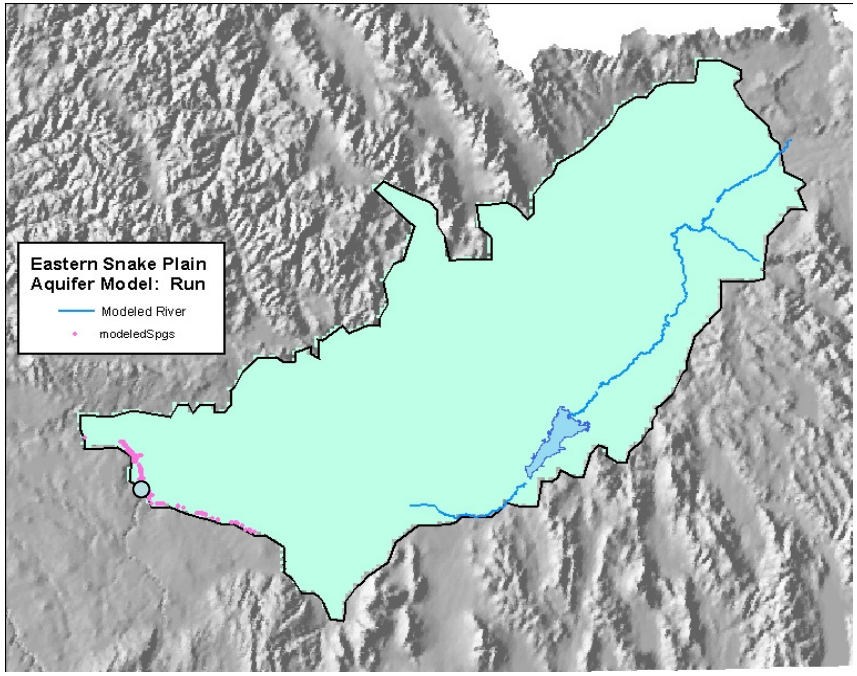


- Box Canyon Spring

- Box Canyon Spring

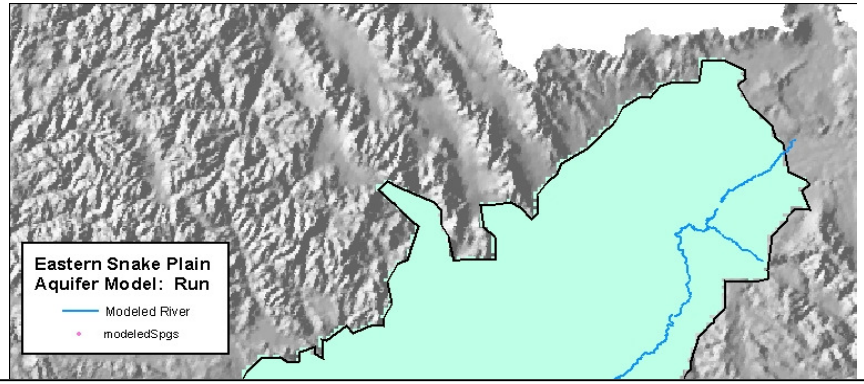


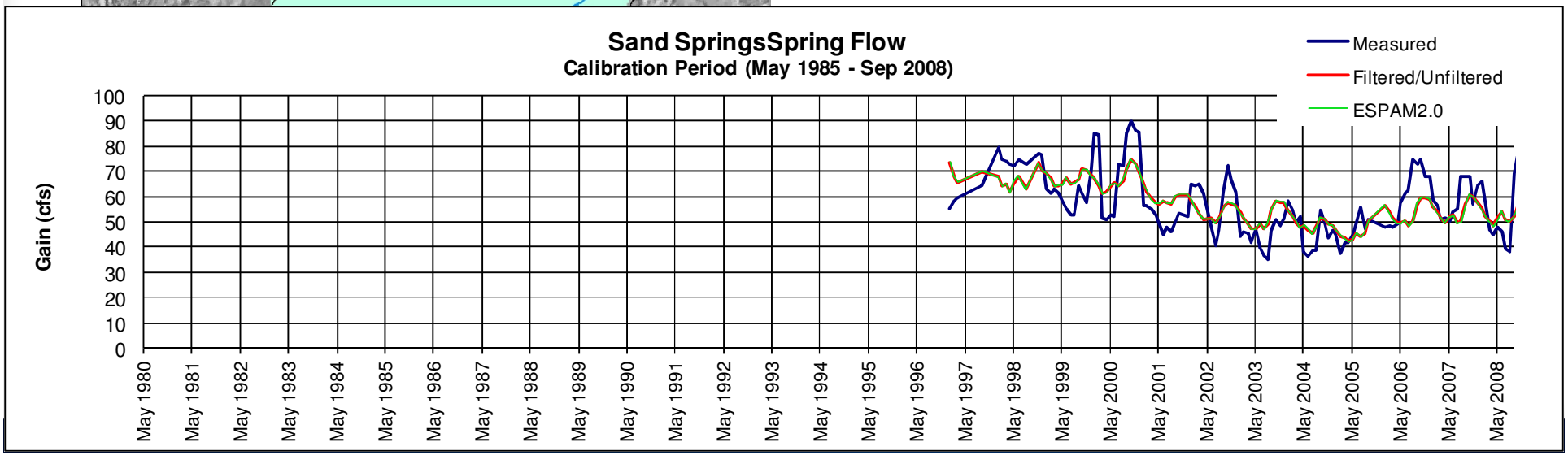


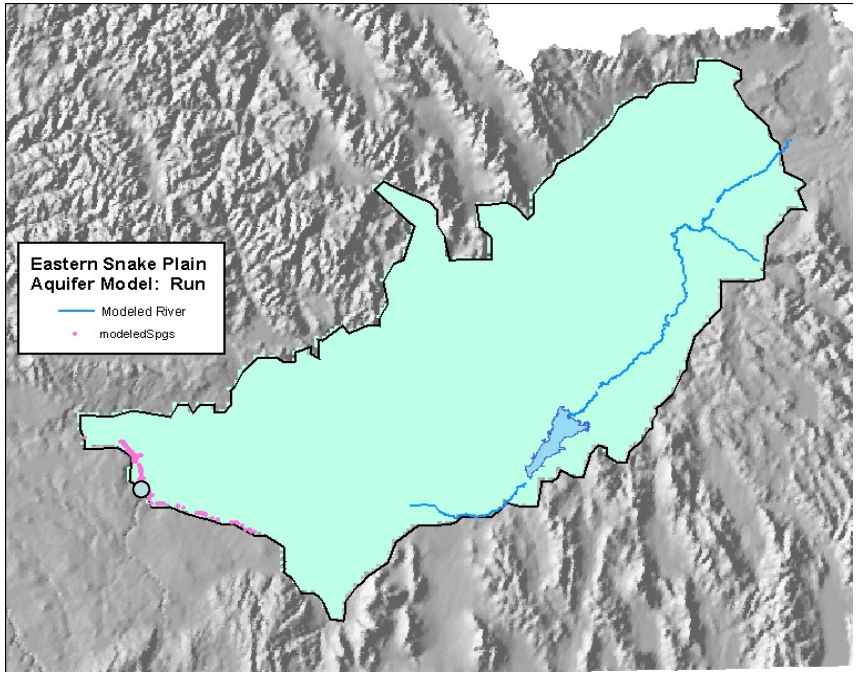


- Sand Springs

- Sand Springs

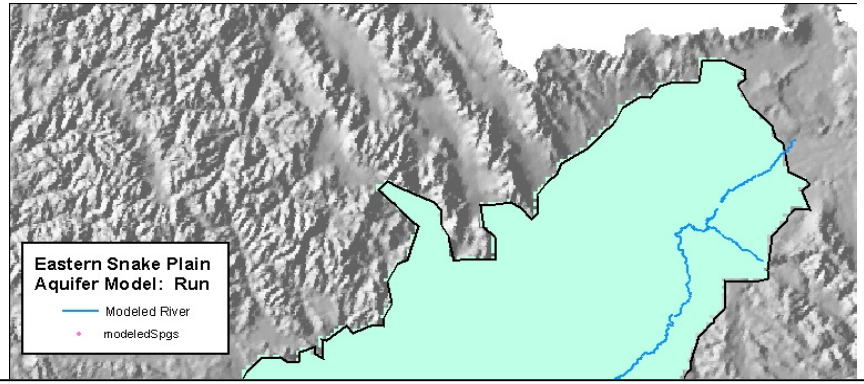


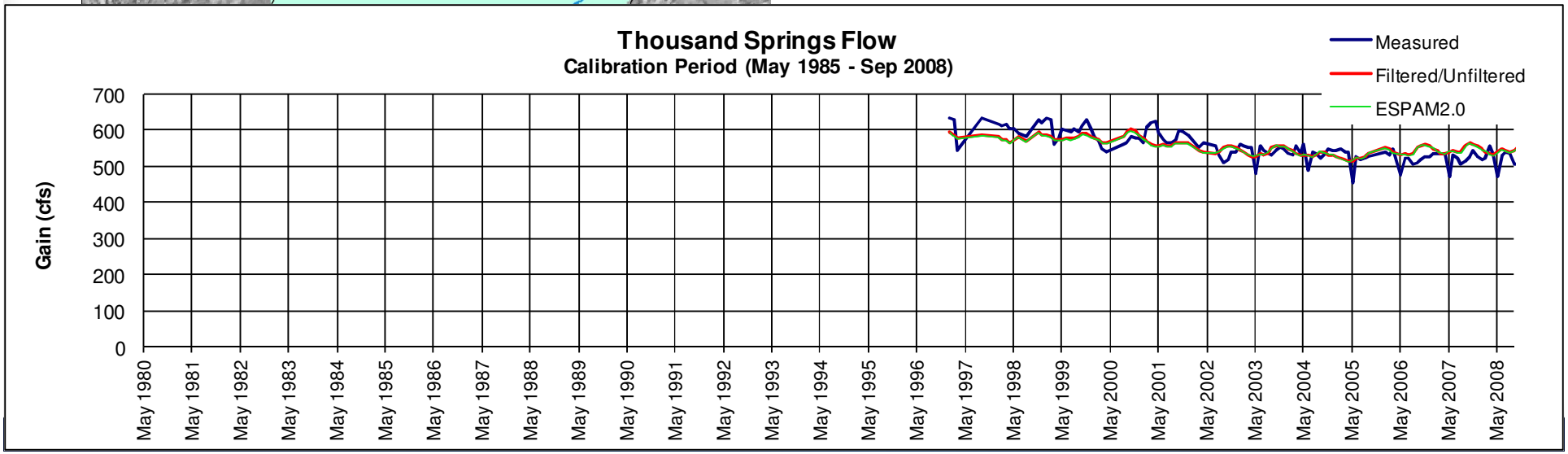


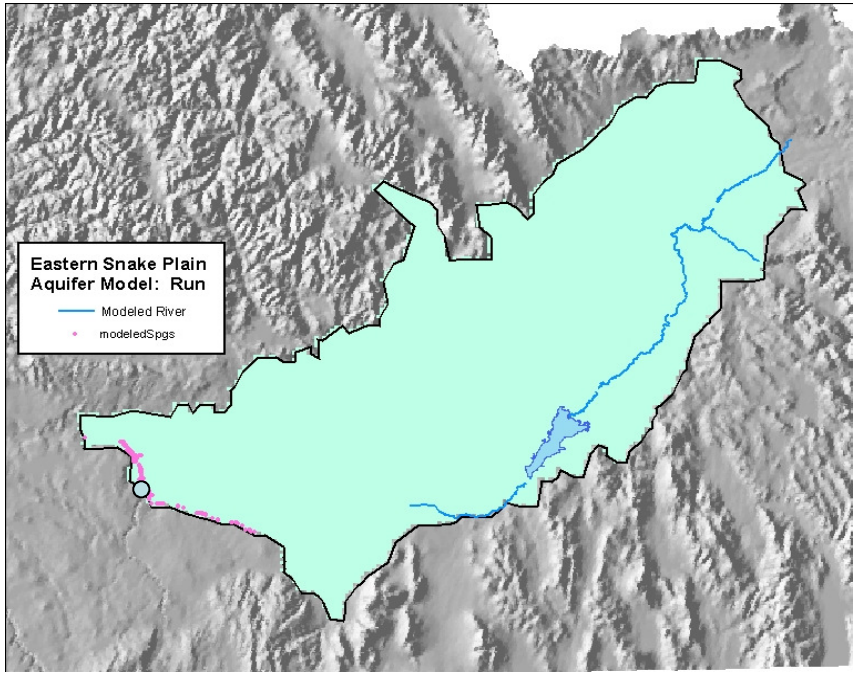


- Thousand Springs

- Thousand Springs

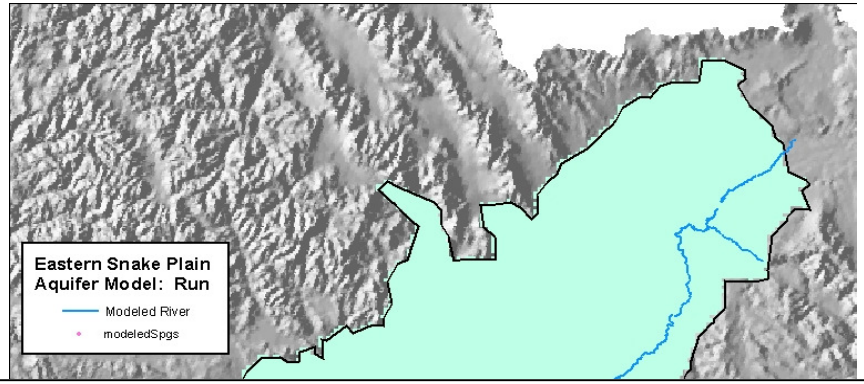


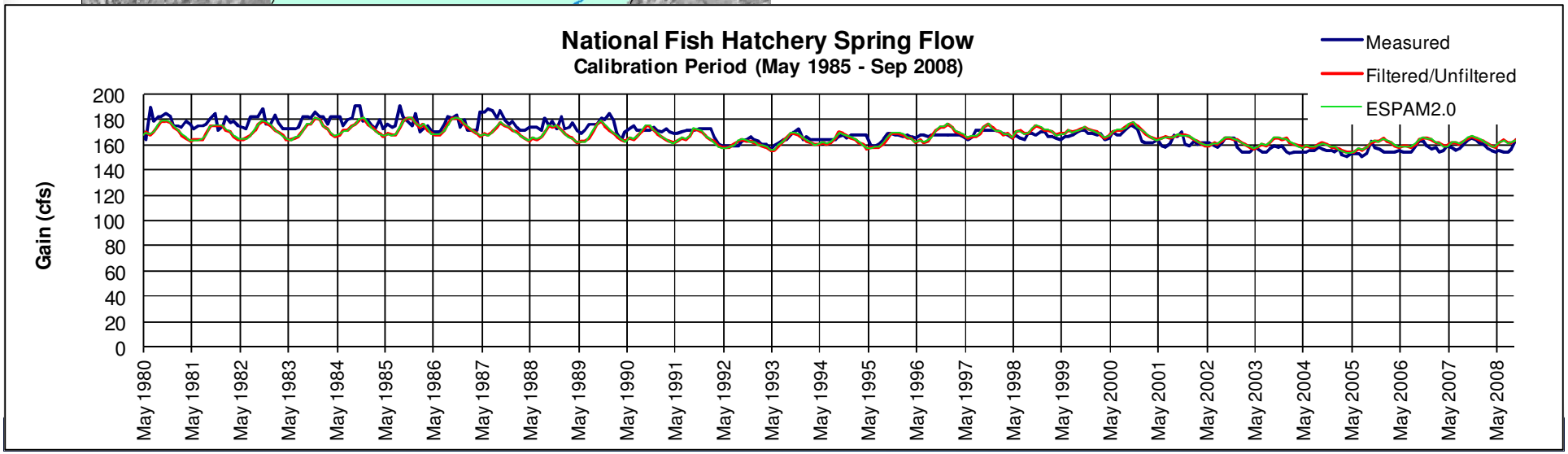


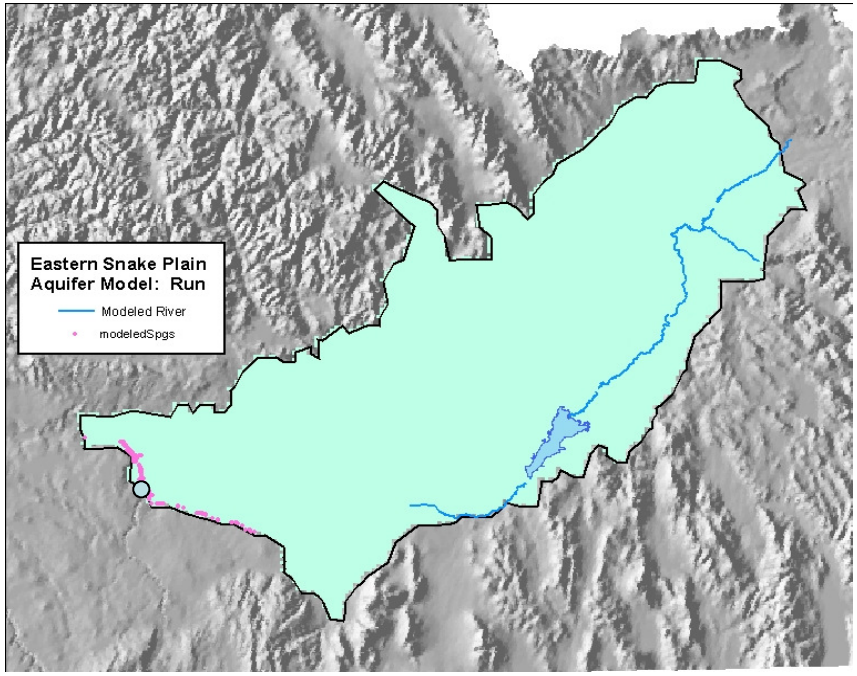


- Ntl Fish Hatchery

- Ntl Fish Hatchery

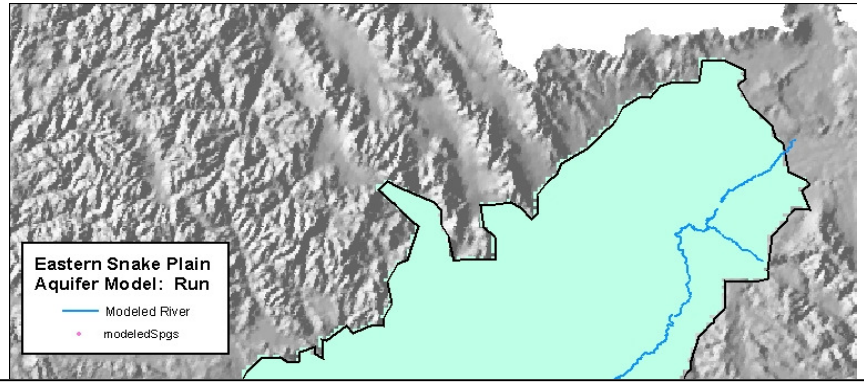


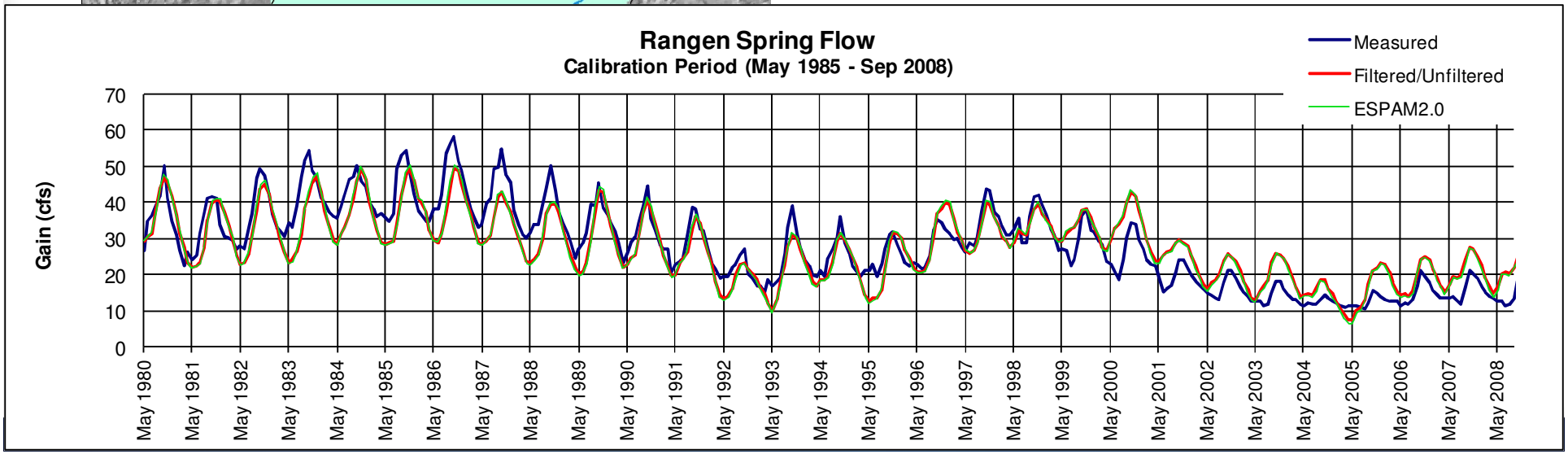


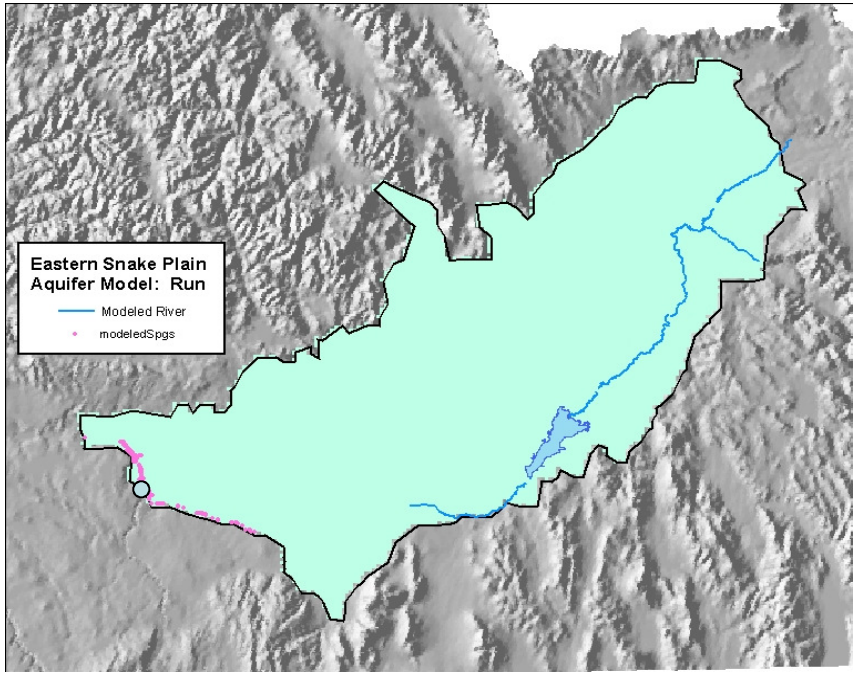


- Rangen Spring

- Rangen Spring

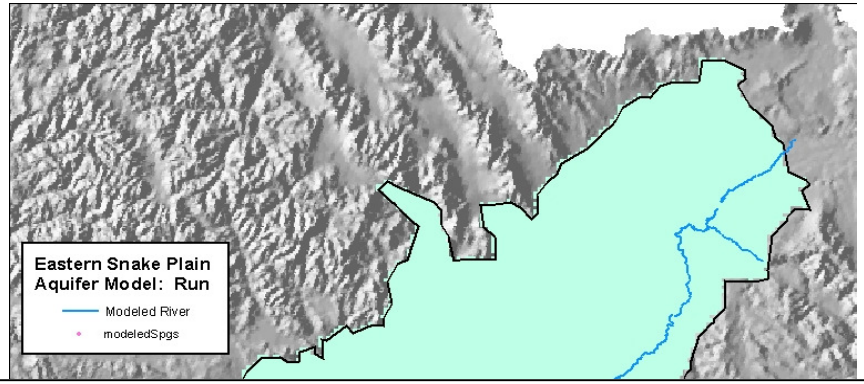


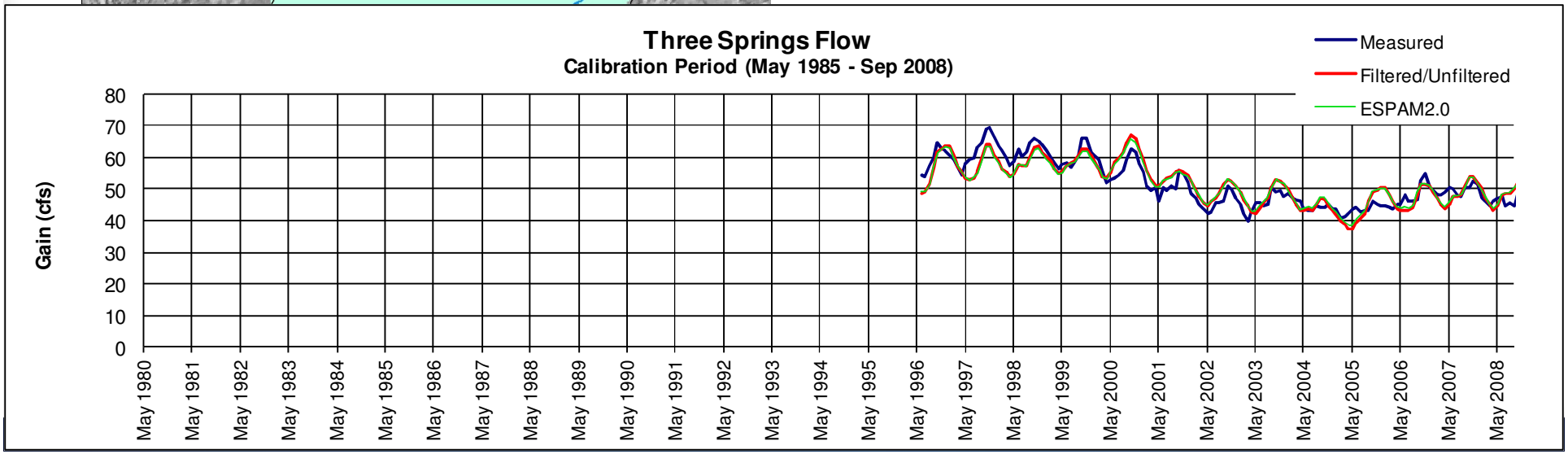


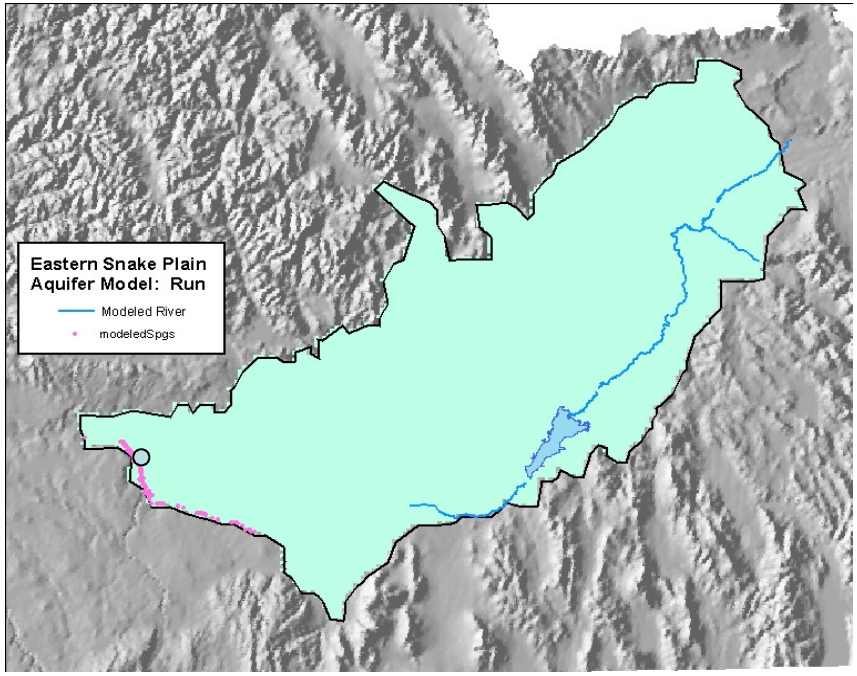


- Three Springs

- Three Springs

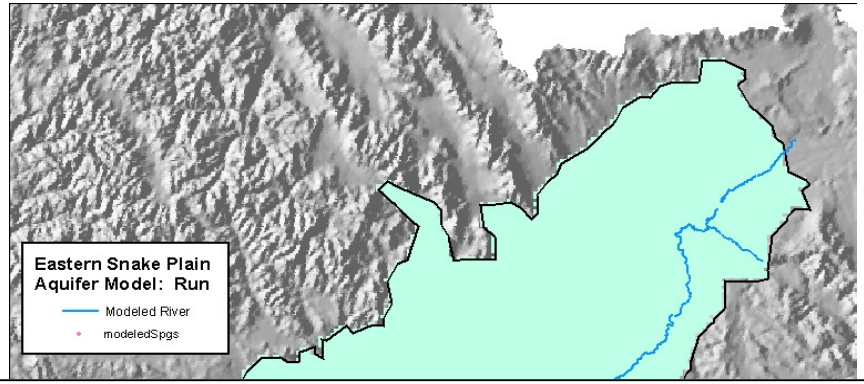


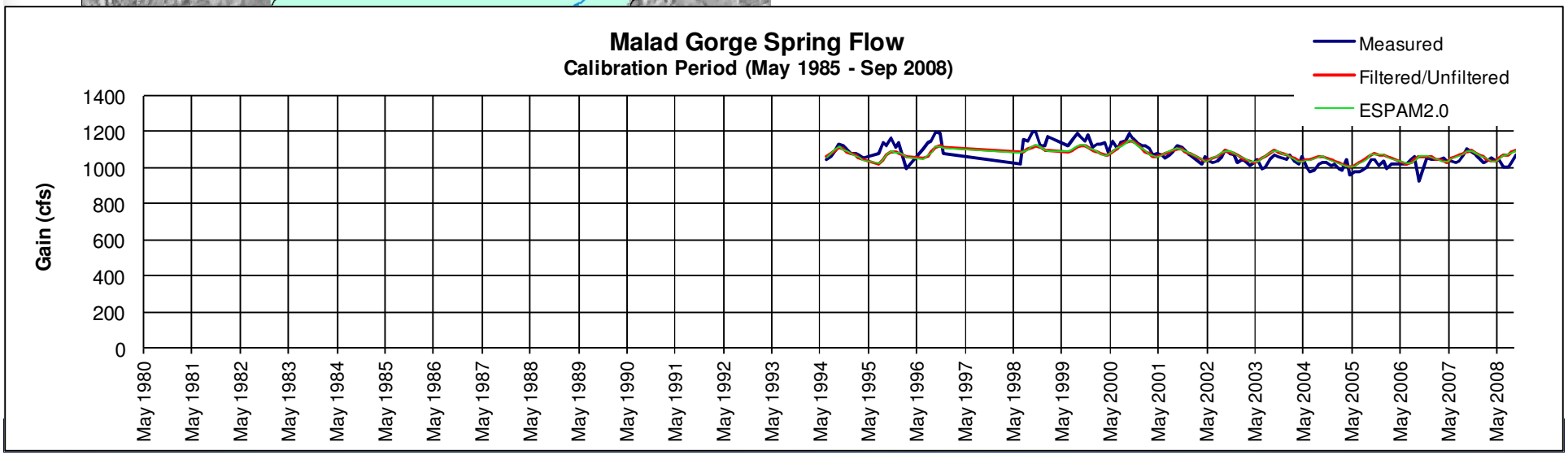


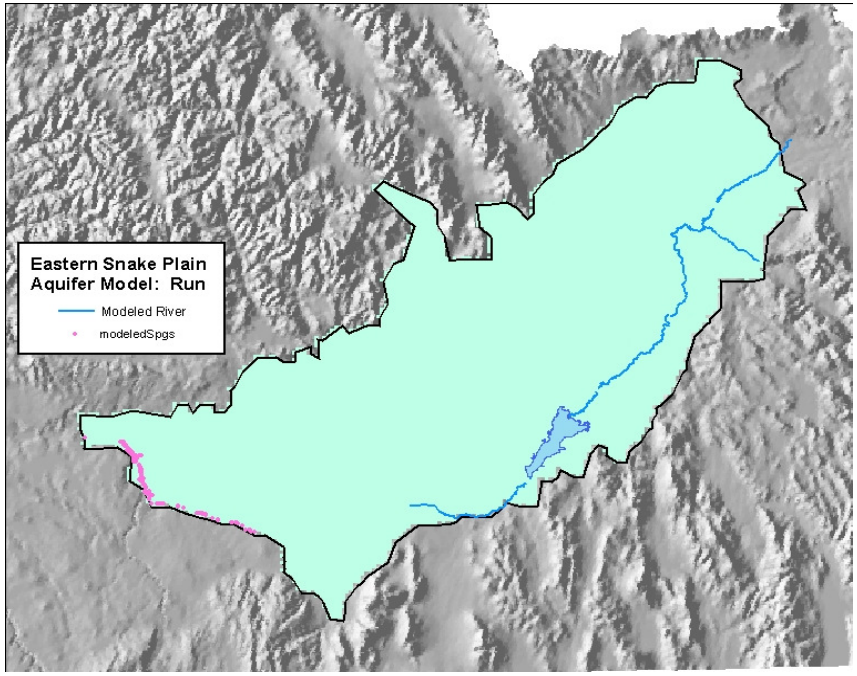

Eastern Snake Plain
Aquifer Model: Run
Modeled River
modeledSpgs

- Malad

- Malad


Eastern Snake Plain
Aquifer Model: Run
Modeled River
modeledSpgs

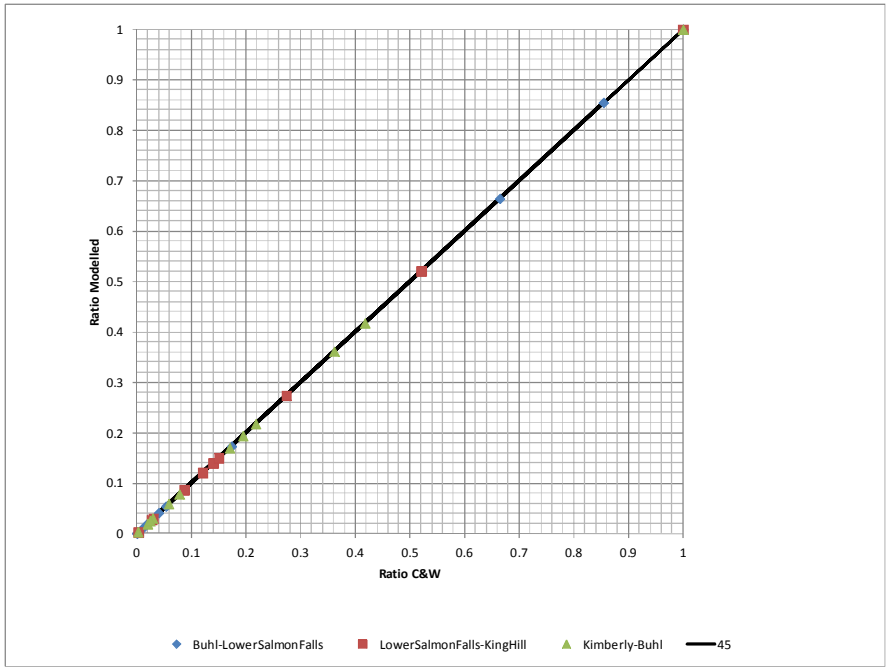

Malad Gorge Spring Flow
Calibration Period (May 1985 - Sep 2008)
Measured
Filtered/Unfiltered
ESPAM2.0
Gain (cfs)
1400
1200
1000
800
600
400
200
0
May 1980
May 1981
May 1982
May 1983
May 1984
May 1985
May 1986
May 1987
May 1988
May 1989
May 1990
May 1991
May 1992
May 1993
May 1994
May 1995
May 1996
May 1997
May 1998
May 1999
May 2000
May 2001
May 2002
May 2003
May 2004
May 2005
May 2006
May 2007
May 2008



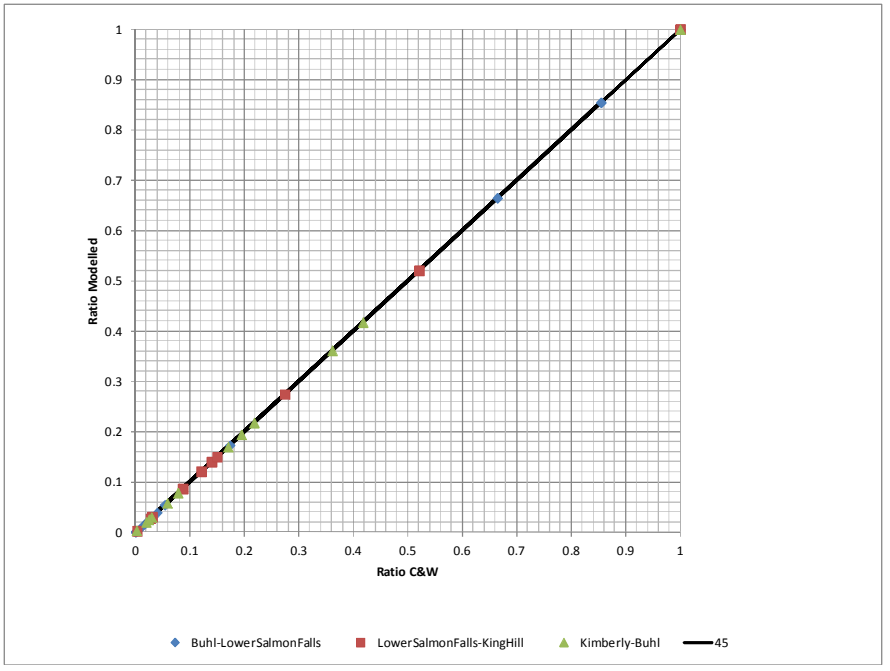
- Group C Springs

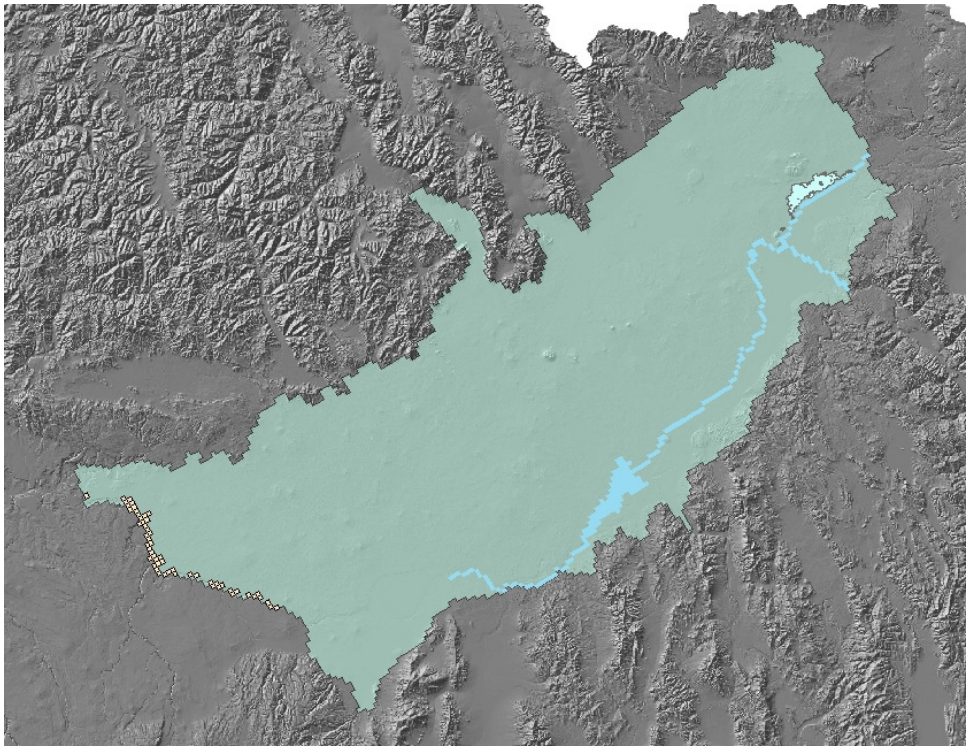
Base Flow

ESPAM02

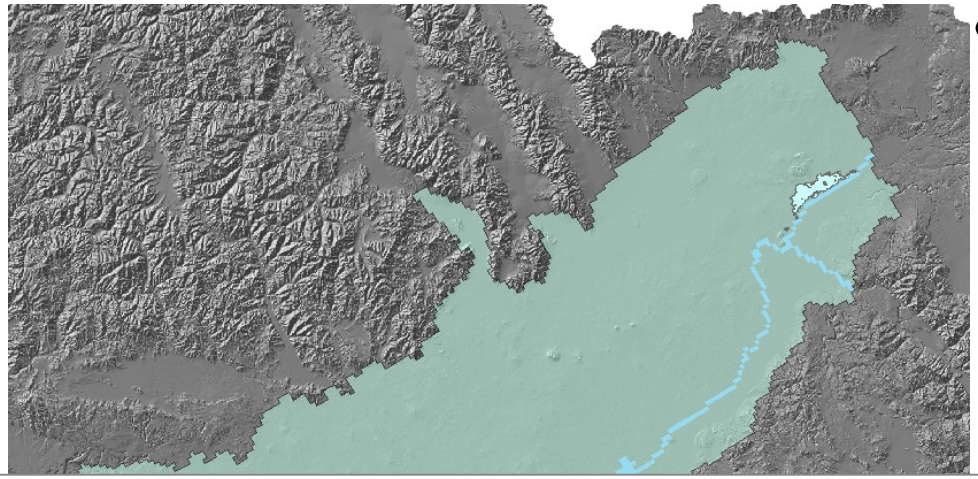


Filtered/Unfiltered

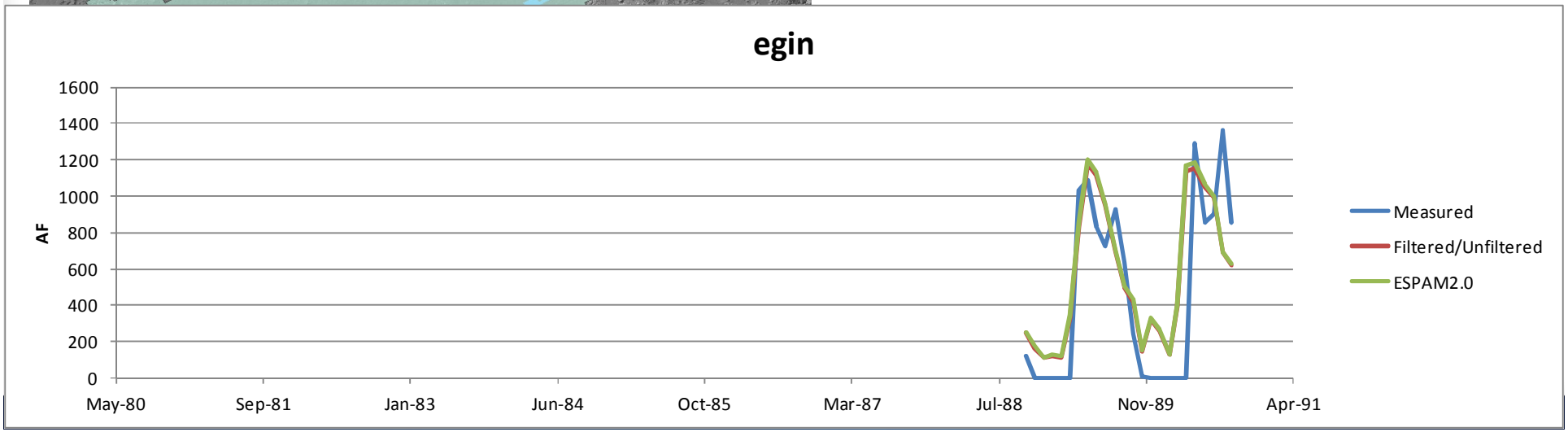


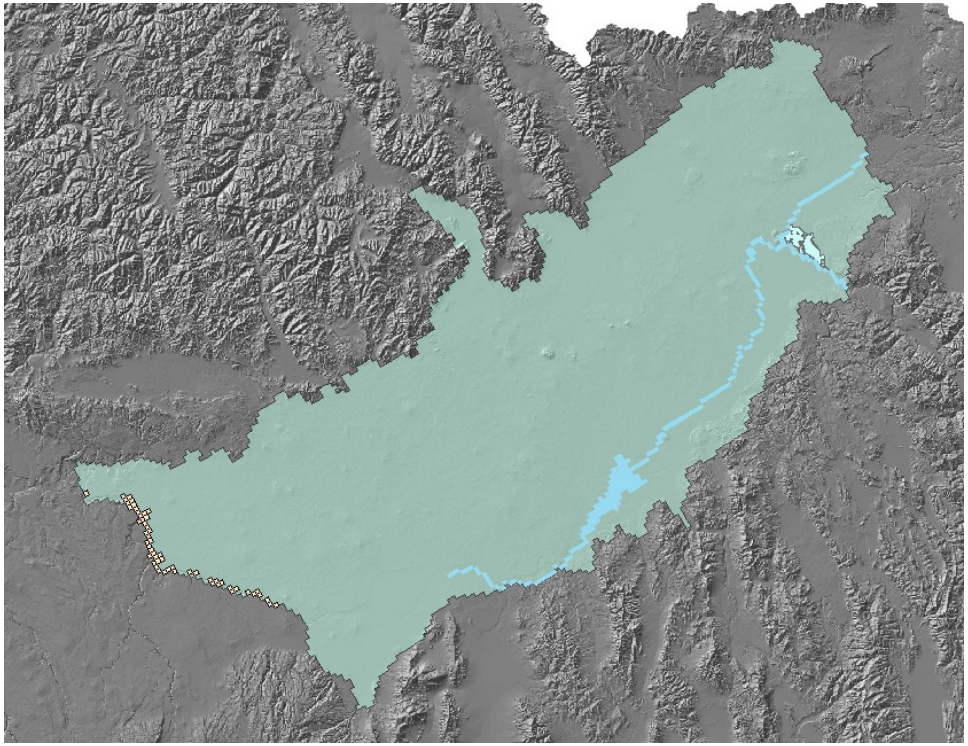


- Egin returns

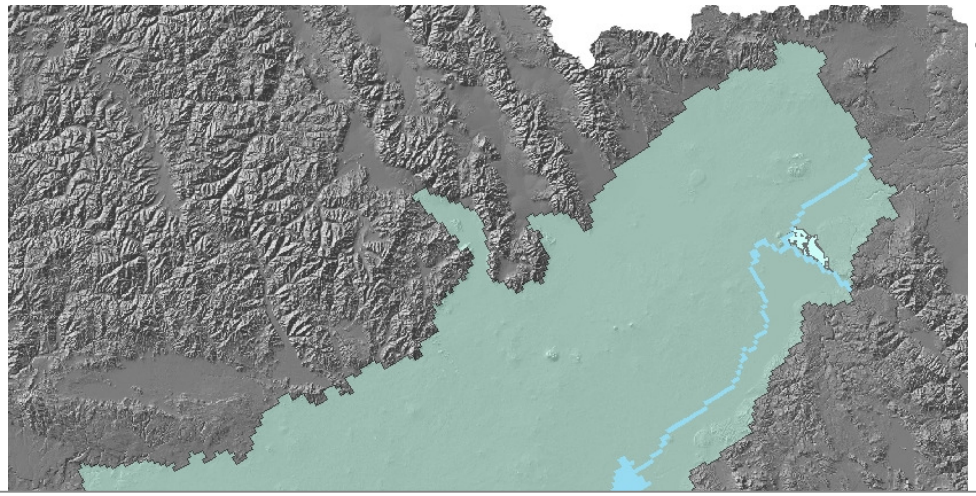


- Egin returns

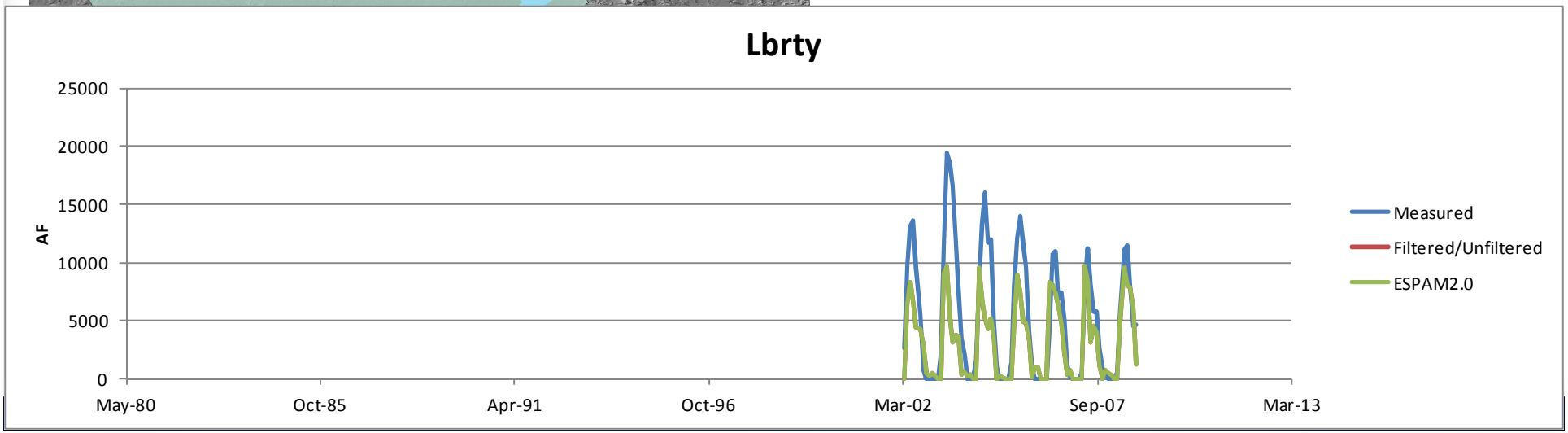


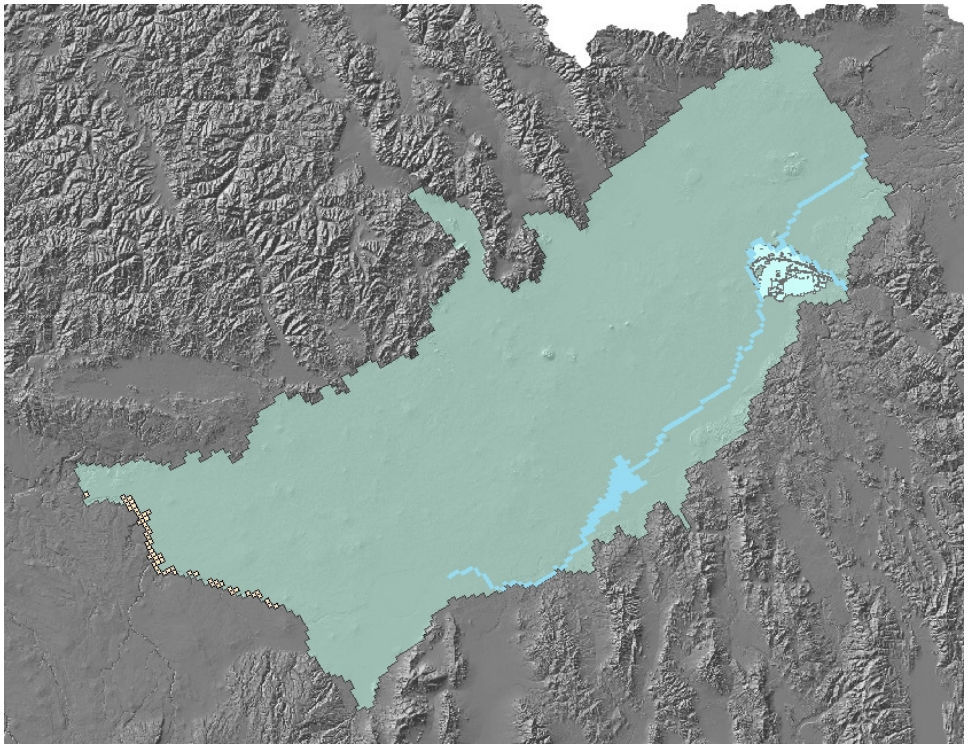


- Liberty returns

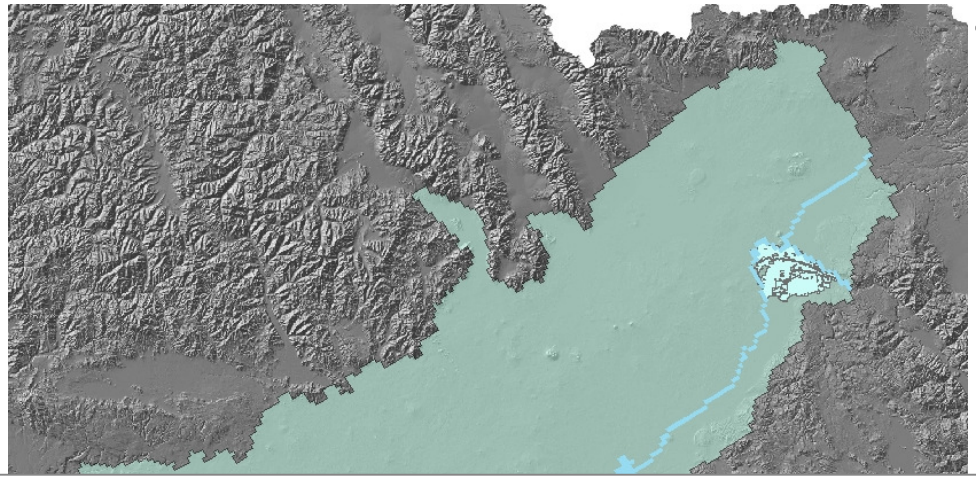


- Liberty returns

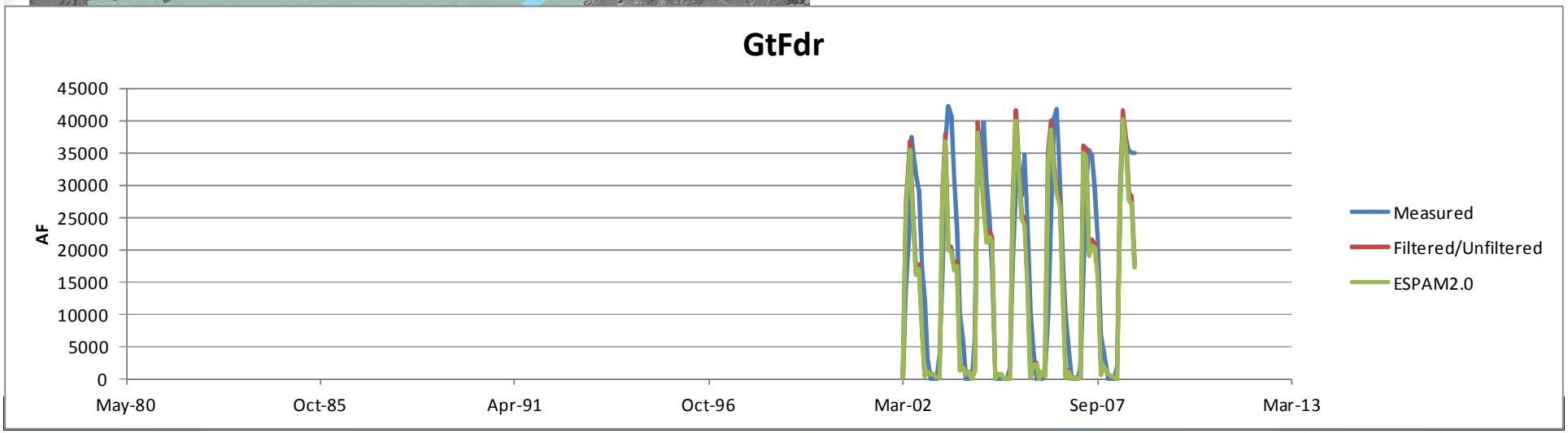


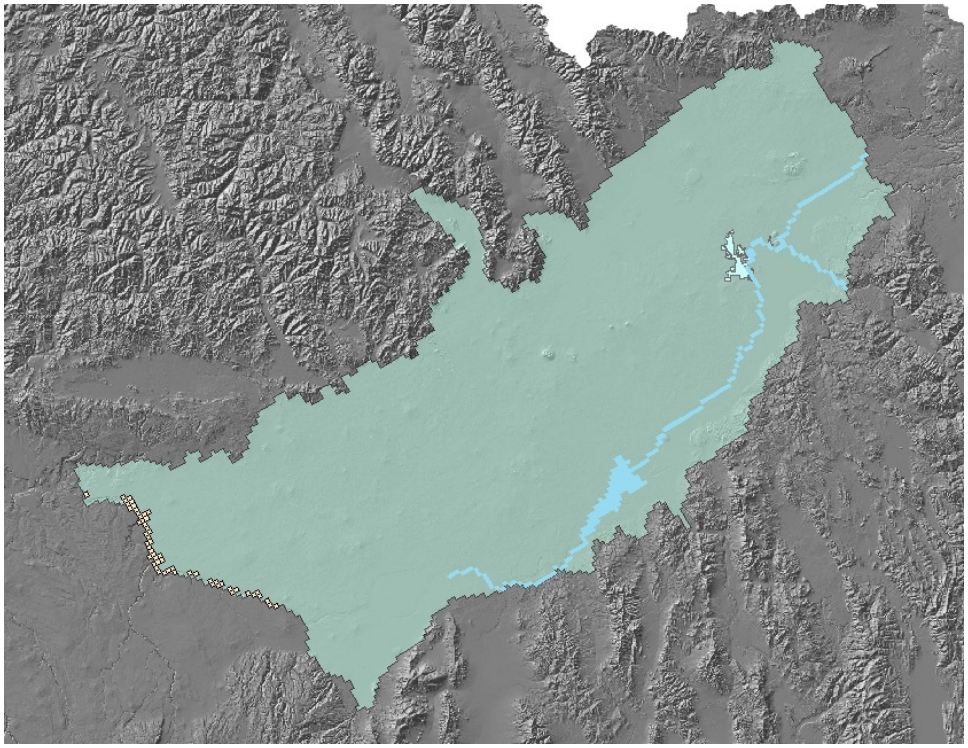


- Great Feeder Group returns

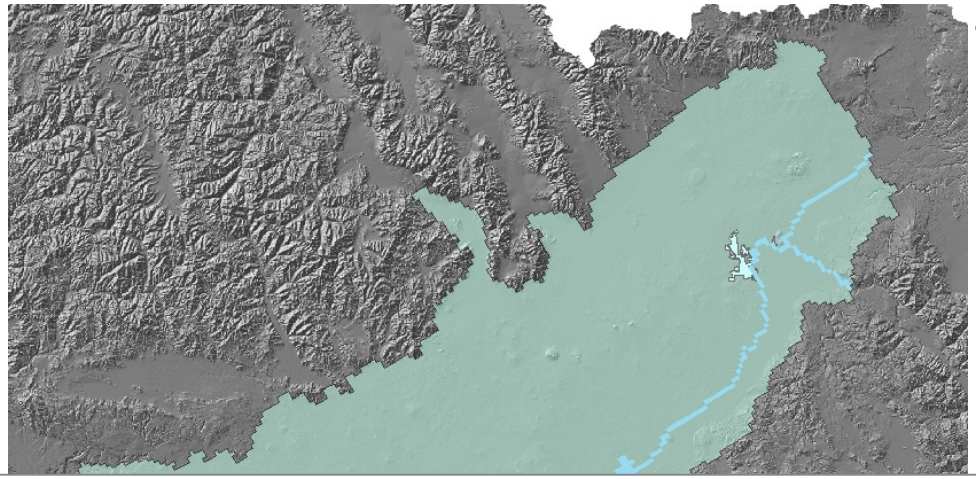


- Great Feeder Group returns

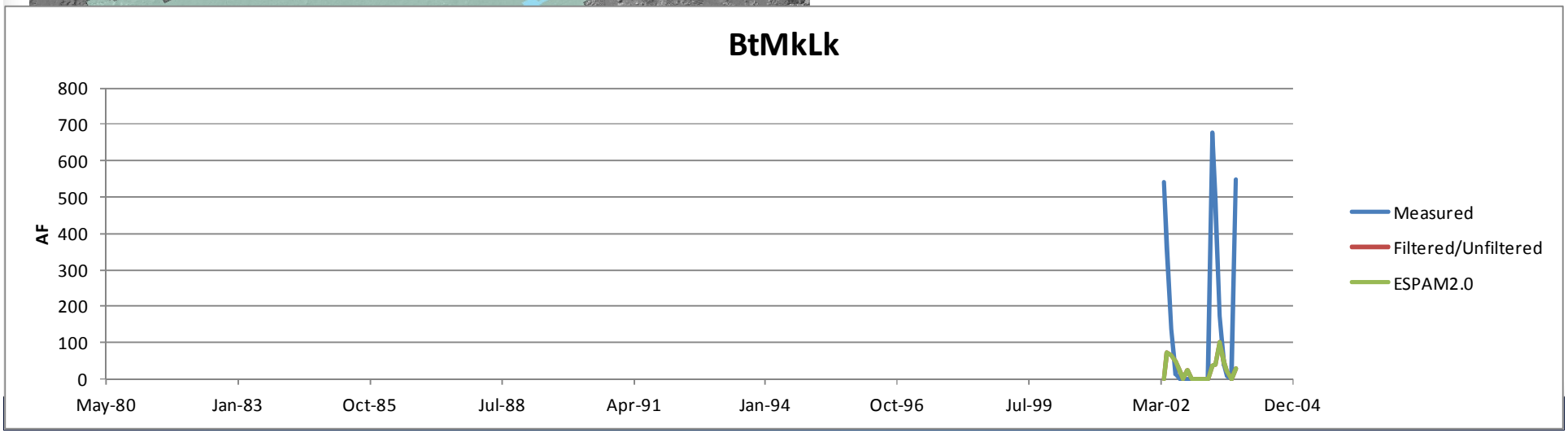


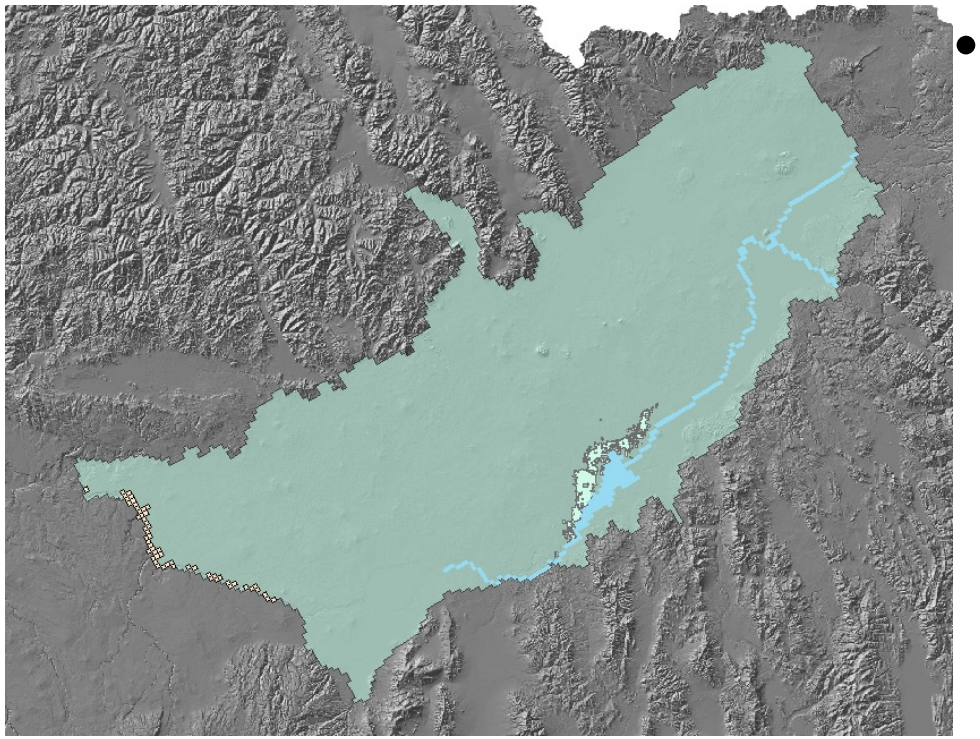


- Butte-Market Lake returns

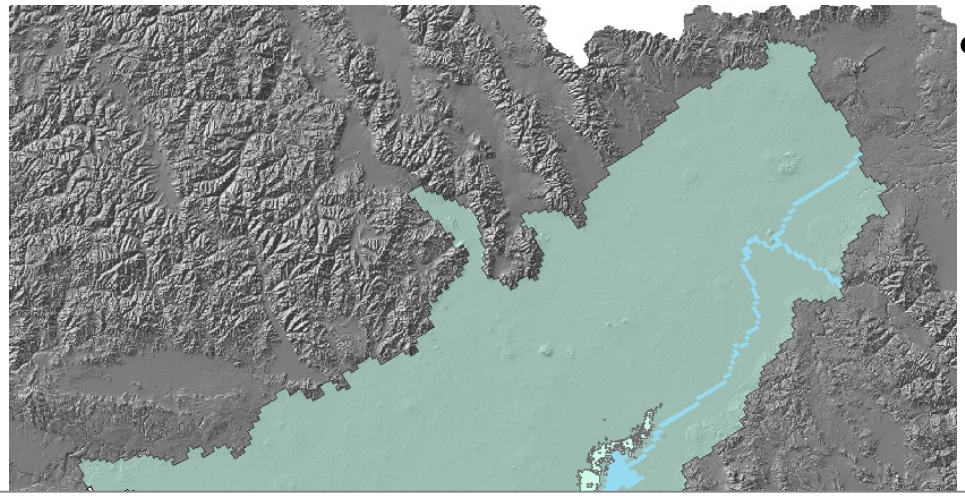


- Butte-Market Lake returns

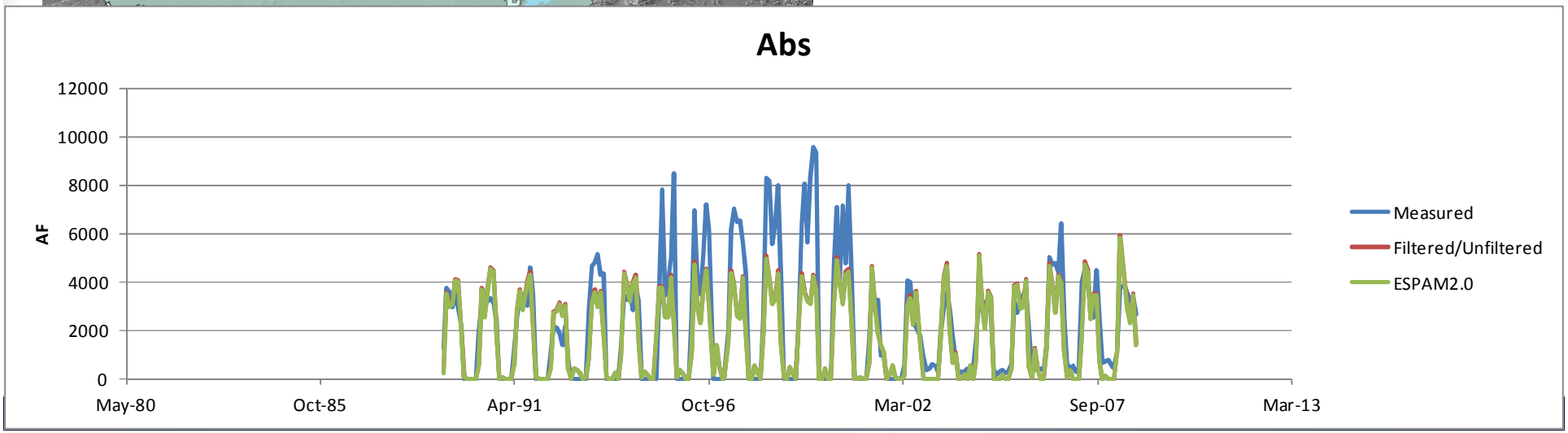


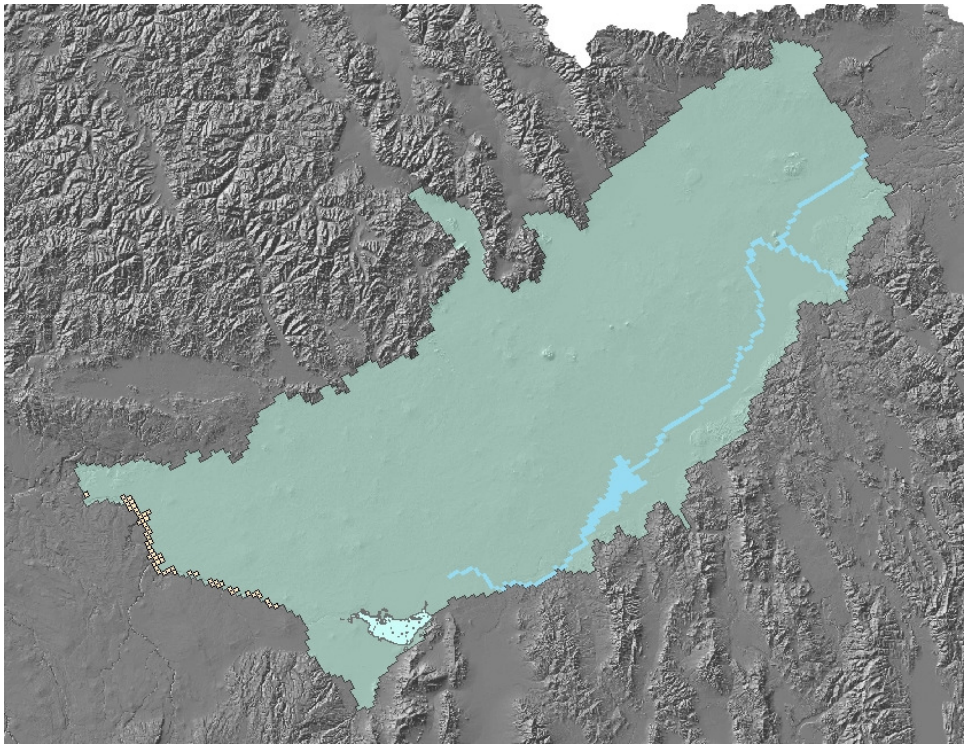


- Aberdeen-Springfield returns

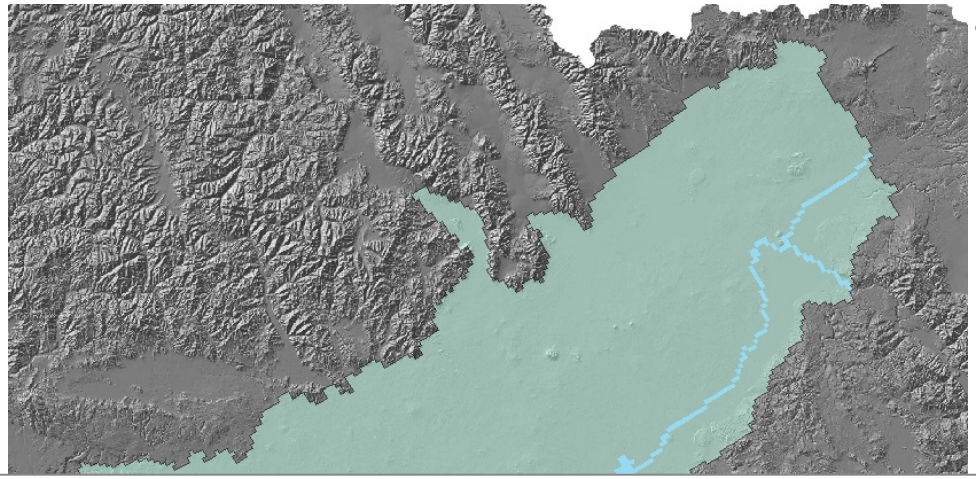


- Aberdeen-Springfield returns

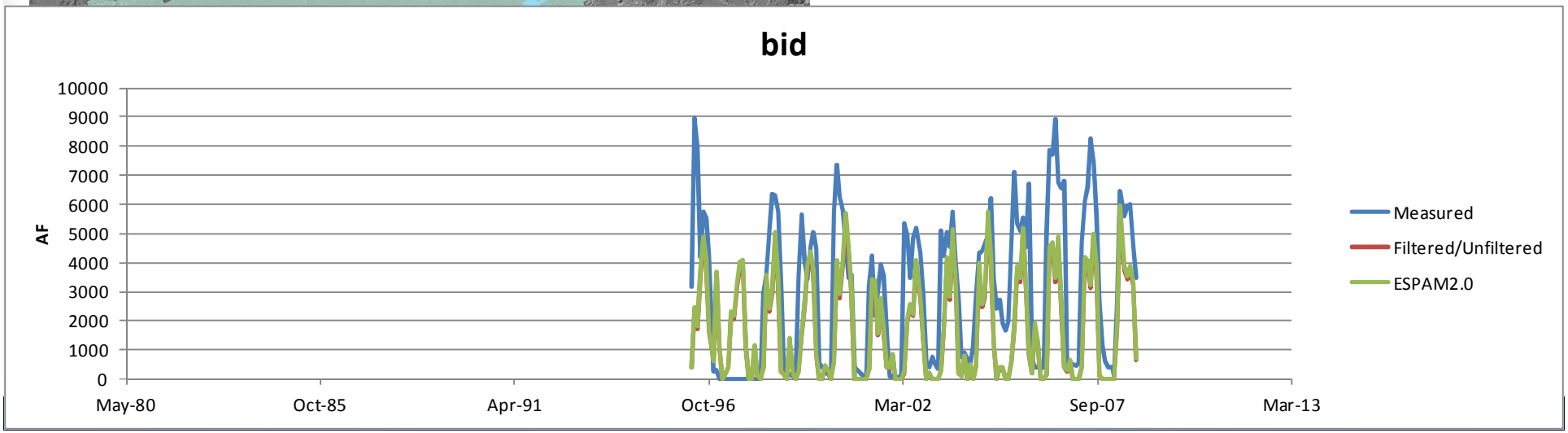


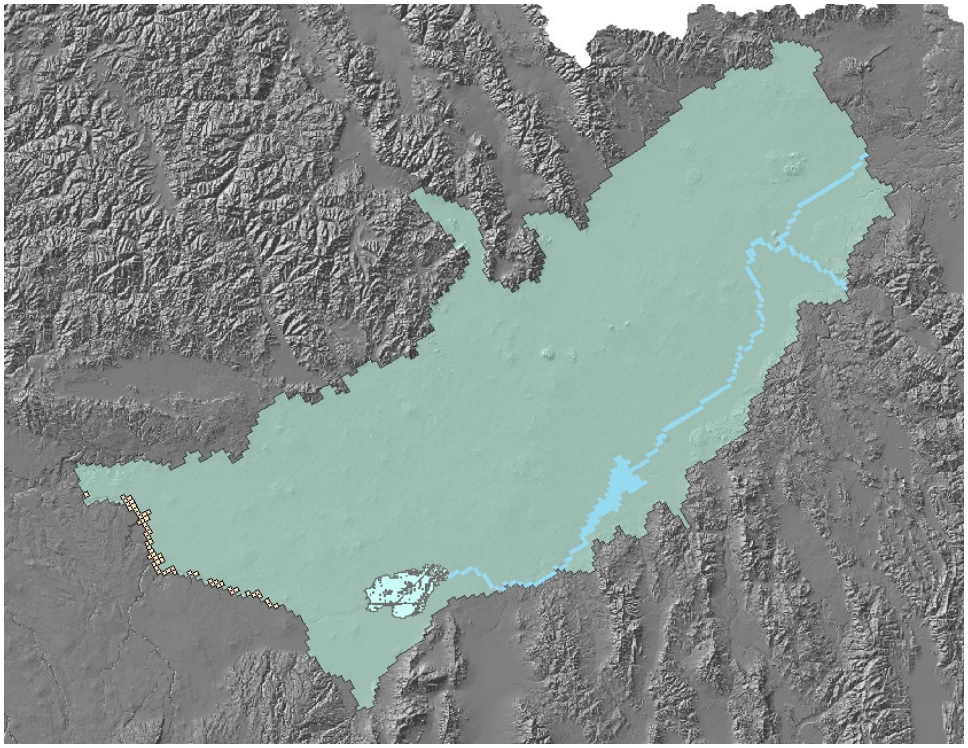


- Burley Irrigation District returns

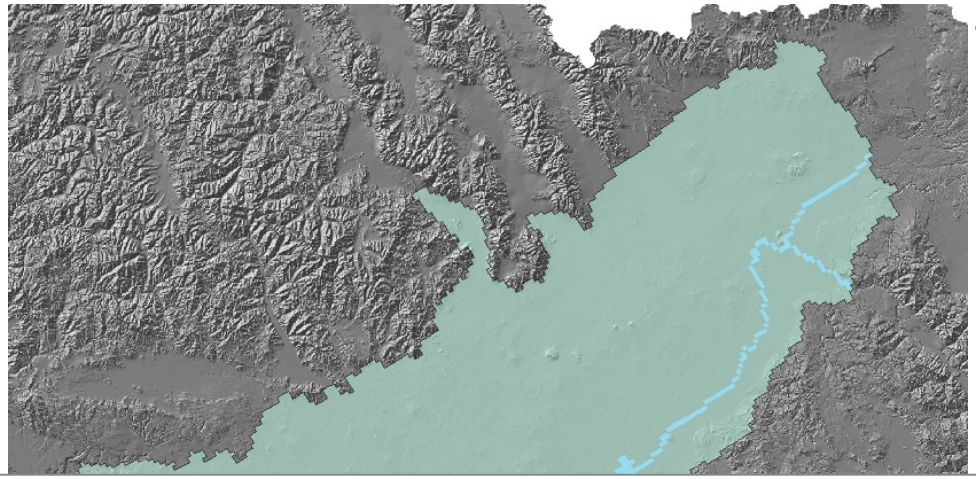


- Burley Irrigation District returns

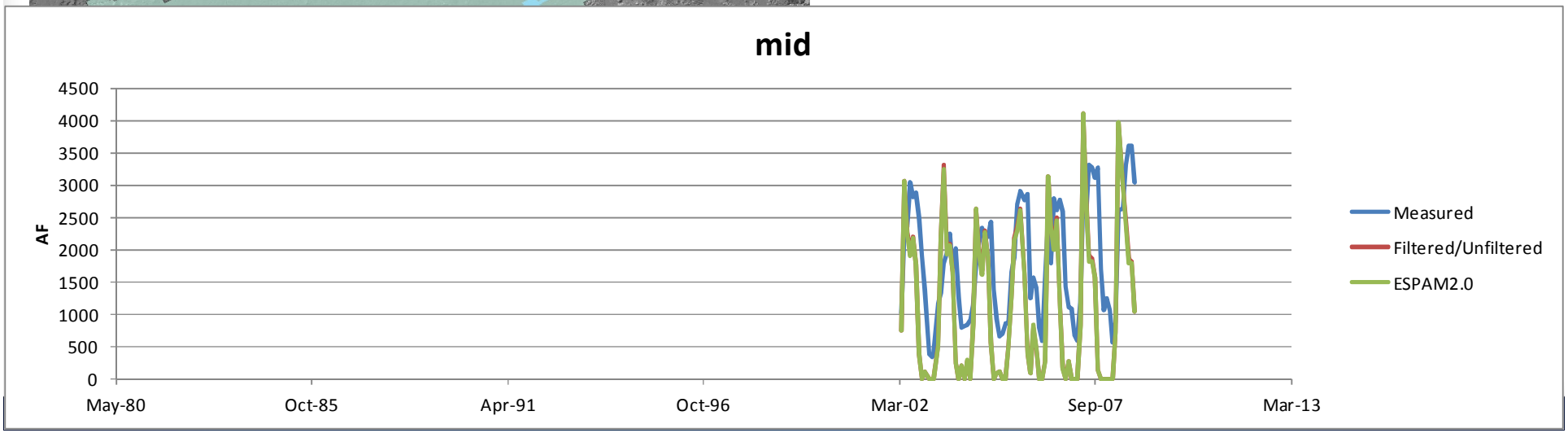


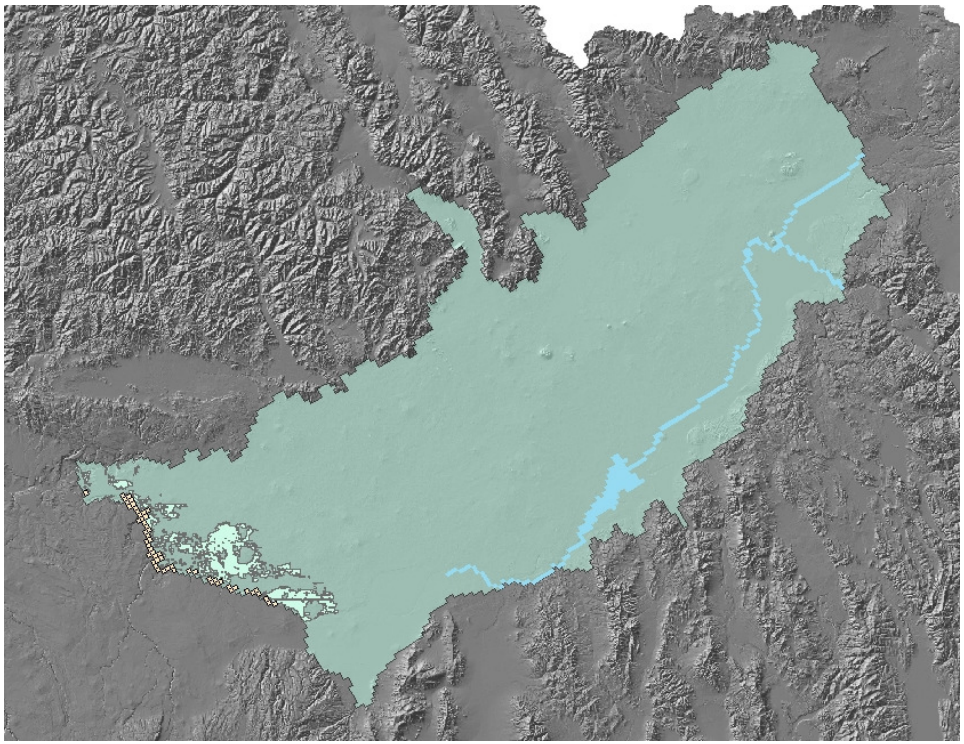


- Minidoka Irrigation District returns

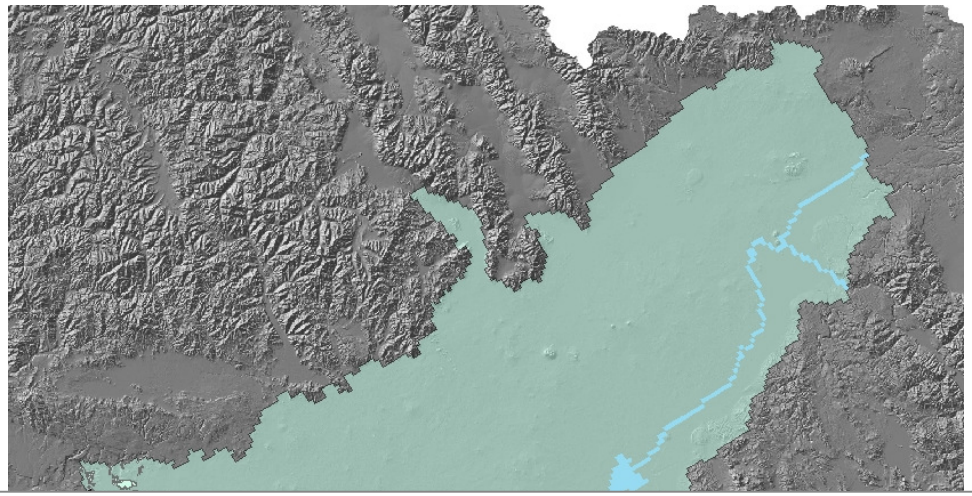


- Minidoka Irrigation District returns

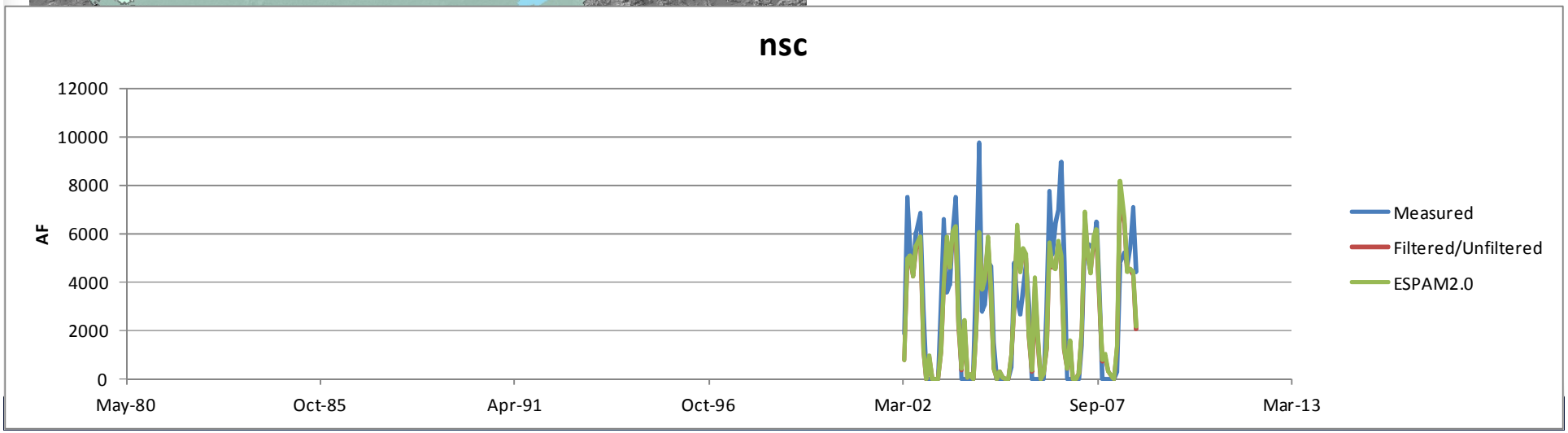




- North Side Canal Co returns



- North Side Canal Co returns



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