

Enterprise Anderson Groundwater Sustainability Agency (EAGSA)

Board Members:

Melissa Hunt (City of Anderson)

James Smith (Bella Vista Water District)

Irwin Fust (Clear Creek Community Services District)

Leonard Moty (Shasta County)

Brenda Haynes (Anderson Cottonwood Irrigation District)

Adam McElvain (City of Redding)

AGENDA

August 11, 2:00 PM

City of Anderson Council Chambers
1887 Howard Street, Anderson, CA 96007

And

Virtually through MSTeams
(see email invitation for details)

1. PLEDGE OF ALLEGIANCE

2. CALL TO ORDER

James Smith, Chair, will call the meeting to order and introduce items.

3. PUBLIC COMMENT ON ITEMS NOT APPEARING ON AGENDA

The Board will receive public comments on items not appearing on the agenda and within the jurisdiction of the Agency. The Board will not take any action on items presented during public comments.

4. APPROVAL OF MINUTES FROM PREVIOUS EAGSA BOARD MEETING

The Board will motion to approve the minutes from the December 12, 2019, EAGSA Board meeting. (See Attachment 1)

5. CONSIDER RESOLUTION 2020-01 APPROVAL OF CONTRACT AMENDMENT WITH CH2M/JACOBS FOR ADDITIONAL GRANT FUNDING

The Board to authorize the City of Redding to execute an amendment to the Consulting and Professional Services Contract with CH2M/Jacobs for additional grant funding awarded (See Attachment 2)

6. GROUNDWATER SUSTAINABILITY PLANNING UPDATE

CH2M/Jacobs will present a groundwater sustainability plan (GSP) technical update including GSP preparation (specifically Chapters 2 and 3 of the Anderson Subbasin GSP, currently available for review by the Board and Public) status of modeling efforts, and next steps. CH2M/Jacobs will also provide a brief update on public outreach.

7. ADJOURNMENT

ATTACHMENT 1

MINUTES – EAGSA BOARD MEETING DECEMBER 12, 2019

Enterprise Anderson Groundwater Sustainability Agency

MINUTES

December 12, 2019

City of Anderson Council Chambers
1887 Howard Street – Anderson, CA 96007

CALL TO ORDER

2:00 p.m.: The meeting was called to order by Chair James Smith from Bella Vista Water District.

INTRODUCTION OF BOARD MEMBERS

Each member of the Board of Directors stated their name and the name of the organization they represent as follows:

Melissa Hunt – City of Anderson
Irwin Fust - Clear Creek Community Services District
Brenda Haynes - Anderson Cottonwood Irrigation District
James Smith - Bella Vista Water District
Leonard Moty – County of Shasta

Absent - Erin Resner – City of Redding

PUBLIC COMMENT ON ITEMS NOT APPEARING ON AGENDA

None.

MINUTES

By motion made, seconded (Haynes/Hunt), and carried by a 5-0 vote, the Board approved the minutes of the October 24, 2019.

Vote: AYES: Board Members Haynes, Hunt, Fust, Moty and Chair Smith.
NOES: None.
ABSTAIN: None.
ABSENT: Resner.

APPROVAL OF EAGSA BOARD MEETING DATES FOR 2020

By motion made, seconded (Hunt/Fust), and carried by a 5-0 vote, the Board approved the meeting dates for 2020 (April 14, August 11, December 8).

Vote: AYES: Board Members Hunt, Fust, Haynes Moty and Chair Smith.
NOES: None.
ABSTAIN: None.
ABSENT: Resner.

GROUNDWATER SUSTAINABILITY PLANNING UPDATE

Lyna Black and Nate Brown from CH2M/Jacobs presented a groundwater sustainability plan (GSP) technical update including GSP preparation, status on integrated flow model, and next steps. CH2M/Jacobs also provided a brief update on public outreach and Chapter 1 of the Groundwater Sustainability Plan.

ADJOURNMENT

2:39 p.m. The EAGSA Board adjourned until April 14, 2020.

James Smith, Chair

ATTEST:

Christy White, Deputy City Clerk/Clerk of the Board

ATTACHMENT 2

STAFF REPORT & RESOLUTION 2020-01

**AMENDMENT TO THE CONSULTING AND PROFESSIONAL SERVICES CONTRACT WITH CH2M/JACOBS
FOR ADDITIONAL GRANT FUNDING AWARDED**

AGENDA ITEM

TO: Enterprise-Anderson Groundwater Sustainability Agency Board of Directors
FROM: EAGSA Management Committee
DATE: August 11, 2020
SUBJECT: Amendment to the Consulting and Professional Services Contract with CH2M/Jacobs for Additional Grant Funding Awarded

RECOMMENDATION:

Adopt Resolution 2020-01 authorizing the City of Redding to execute an amendment to the Consulting and Professional Services Contract with CH2M/Jacobs for the addition of Proposition 68 SGWP grant funds (See Attached Resolution 2020-01).

BACKGROUND:

The EAGSA authorized the City of Redding to apply for and administer grant funds awarded through the 2017 Groundwater Sustainability Plans and Project Solicitation under the Proposition 1 Sustainable Groundwater Planning Grant (SGWP) program. In November 2018, on behalf of the EAGSA, the City of Redding entered into a grant agreement with the California Department of Water Resources (DWR) to administer these funds for the development of the Groundwater Sustainability Plans (GSP) for the Anderson and Enterprise Subbasins and for the installation of a monitoring well.

In December 2018, the EAGSA board authorized the City to enter into a Consulting and Professional Services Agreement with CH2M/Jacobs for the development of the GSPs and to site and design a monitoring well.

On October 24, 2019 the EAGSA Board of Directors approved Resolution 2019-01 Authorizing the City of Redding to submit a grant application for additional funding pursuant to the Proposition 68 SGM Grant Program Planning – Round 3 Grant Solicitation, and additional funding was awarded in mid-March 2020. The additional funding will be used to augment GSP development and public outreach activities required under SGMA.

FISCAL IMPACTS:

The work funded by the SGWP Grant includes the preparation of the GSPs and the construction of a multi-completion monitoring well to enhance the monitoring network within the Enterprise or Anderson subbasins.

ALTERNATIVE ACTION:

The EAGSA Board has the option of selecting from one of the following alternatives:

1. Amend the Consulting and Professional Services Contract with CH2M/Jacobs for Additional Grant Funding Awarded to prepare the GSPs for the Anderson and Enterprise subbasins, and to also site and design a multi-completion monitoring well.

2. Not amend the Consulting and Professional Services Contract with CH2M/Jacobs for Additional Grant Funding Awarded and provide alternative direction to EAGSA staff.

CONCLUSION

The EAGSA is responsible for completion of the GSPs for each subbasin by January 31, 2022 in accordance with SGMA regulations. Under SGMA, these basins should reach sustainability within 20 years of implementing their sustainability plans. The selection of amending the Consulting and Professional Services Contract with CH2M/Jacobs for Additional Grant Funding Awarded will allow the preparation of these plans so the EAGSA can proceed with fulfilling its regulatory obligations.

Resolution No. 2020- 01

A RESOLUTION OF THE ENTERPRISE-ANDERSON GROUNDWATER SUSTAINABILITY AGENCY AUTHORIZING THE CITY OF REDDING TO EXECUTE AN AMENDMENT TO THE CONSULTING AND PROFESSIONAL SERVICES CONTRACT WITH CH2M/JACOBS FOR THE ADDITION OF PROPOSITION 68 SGWP GRANT FUNDS

WHEREAS, on September 16, 2014, Governor Brown enacted the Sustainable Groundwater Management Act of 2014 (“SGMA”) which required the formation of a Groundwater Sustainability Agency (“GSA”) that will be responsible for implementing provisions of SGMA; and

WHEREAS, the overlying members of the Redding Area Groundwater Basin formed the Enterprise-Anderson Groundwater Sustainability Agency (“EAGSA”), whom will be responsible for submitting a Groundwater Sustainability Plan (“GSP”) to the California State Water Resources Control Board (“SWRCB”) by January 31, 2022; and

WHEREAS, the DWR is administering the Sustainable Groundwater Planning Grant Program (“SGWP”) to provide funds to develop groundwater plans and projects, and the EAGSA authorized the City of Redding to apply for and administer SGWP funds on behalf of the GSA; and

WHEREAS, on November 9, 2018, the Department of Water Resources (“DWR”) executed a grant agreement with the City of Redding for the use of these funds towards the development of the GSPs for the Anderson and Enterprise Subbasins; and

WHEREAS, the EAGSA authorized the City of Redding to apply for and administer additional SGWP funding pursuant to the Proposition 68 SGM Grant Program Planning – Round 3 Grant Solicitation, and on April 30, 2020 the DWR executed an amendment to the grant agreement with the City of Redding for the award of the Proposition 68 SGWP grant funds; and

NOW, THEREFORE, BE IT RESOLVED, by the EAGSA Board of Directors, that the City of Redding is hereby authorized to execute an amendment to the Consulting and Professional Services Contract with CH2M/Jacobs for additional grant funding awarded under the Round 3 of the Sustainable Groundwater Management Grant Program’s Planning Grant.

I HEREBY CERTIFY that the foregoing resolution was introduced, read and adopted at a meeting of the EAGSA Board of Directors on the 11th day of August 2020 by the following vote:

AYES: BOARD MEMBERS:
NOES: BOARD MEMBERS:
ABSENT: BOARD MEMBERS:
ABSTAIN: BOARD MEMBERS

James Smith, Chair

ATTEST:

Christy White, City Clerk/Clerk of the Board

Groundwater Sustainability Planning Update

EAGSA Board Meeting

August 11, 2020

Discussion items

- Public outreach update
- GSP technical update
 - TSS application submittal
 - GSP preparation
 - Status update on integrated flow model
 - Next steps for GSP development

Public outreach update

- Public outreach related to GSP Chapter review is ongoing
 - Interested parties are notified when chapters are available on the EAGSA website*
 - Reminders are sent when the comment period is closing
- Public workshop originally scheduled for Fall 2020 will be rescheduled
 - Goal will be to optimize availability of technical content for public input, while ensuring sufficient time to incorporate feedback into GSP
 - Targeting late 2020 or early 2021
- Development of targeted stakeholder briefings is ongoing
 - Shasta Tehama Watershed Coalition – including EAGSA in their upcoming newsletter
 - CDFW
 - Redding Rancheria – attempt to reschedule meeting initially planned for April 2020
 - The Nature Conservancy – in conversation with TNC representative

* <https://www.cityofredding.org/departments/public-works/eagsa>

GSP technical update: TSS application submittal

- Enterprise monitoring well location was selected during 22-Jul Management Committee (MC) meeting
- Plan to submit TSS well service application to DWR by 14-Aug



GSP technical update: GSP preparation

Completed
In Progress

GSP Chapter	Enterprise Subbasin Review Status	Anderson Subbasin Review Status
Ch.1 – Introduction	<ul style="list-style-type: none"> • MC Completed Nov-2019 • Board Review Completed Jan-2020 • Public Review Completed May-2020 	<ul style="list-style-type: none"> • MC Completed Apr-2020 • Board/Public Review Completed May-2020
Ch.2 – Plan Area	<ul style="list-style-type: none"> • MC Completed Jun-2020 • Board/Public Review Completed Jun-2020 (2 comments) 	<ul style="list-style-type: none"> • MC Completed Jul-2020 • Board/Public Review In Progress (Due 14-Aug-2020)
Ch.3 – Basin Setting	<ul style="list-style-type: none"> • MC Completed Jun-2020 • Board/Public Review Completed Jun-2020 (0 comments) 	<ul style="list-style-type: none"> • MC Completed (Jul-2020) • Board/Public Review In Progress (Due 14-Aug-2020)

MC = Management Committee

Other chapters will be submitted for your review in early 2021.

GSP technical update: Coordination with Management Committee

- Began working through Sustainable Management Criteria (SMC)

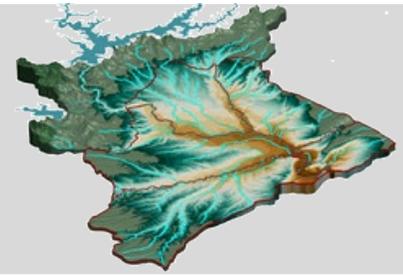


- 22-Jul we began discussion of chronic GW-level lowering SMC
- 19-Aug to discuss subsidence, seawater intrusion, and GW storage SMC
- Sep to discuss GW quality and interconnected surface water SMC

- MC developed a preliminary working draft Sustainability Goal

To maintain a locally managed, economically viable, sustainable groundwater resource for existing and future beneficial use in Shasta County by continuing existing management and operation within the sustainable yield or by modification of existing management to address unforeseen future conditions.

GSP technical update: Status update on the integrated flow model

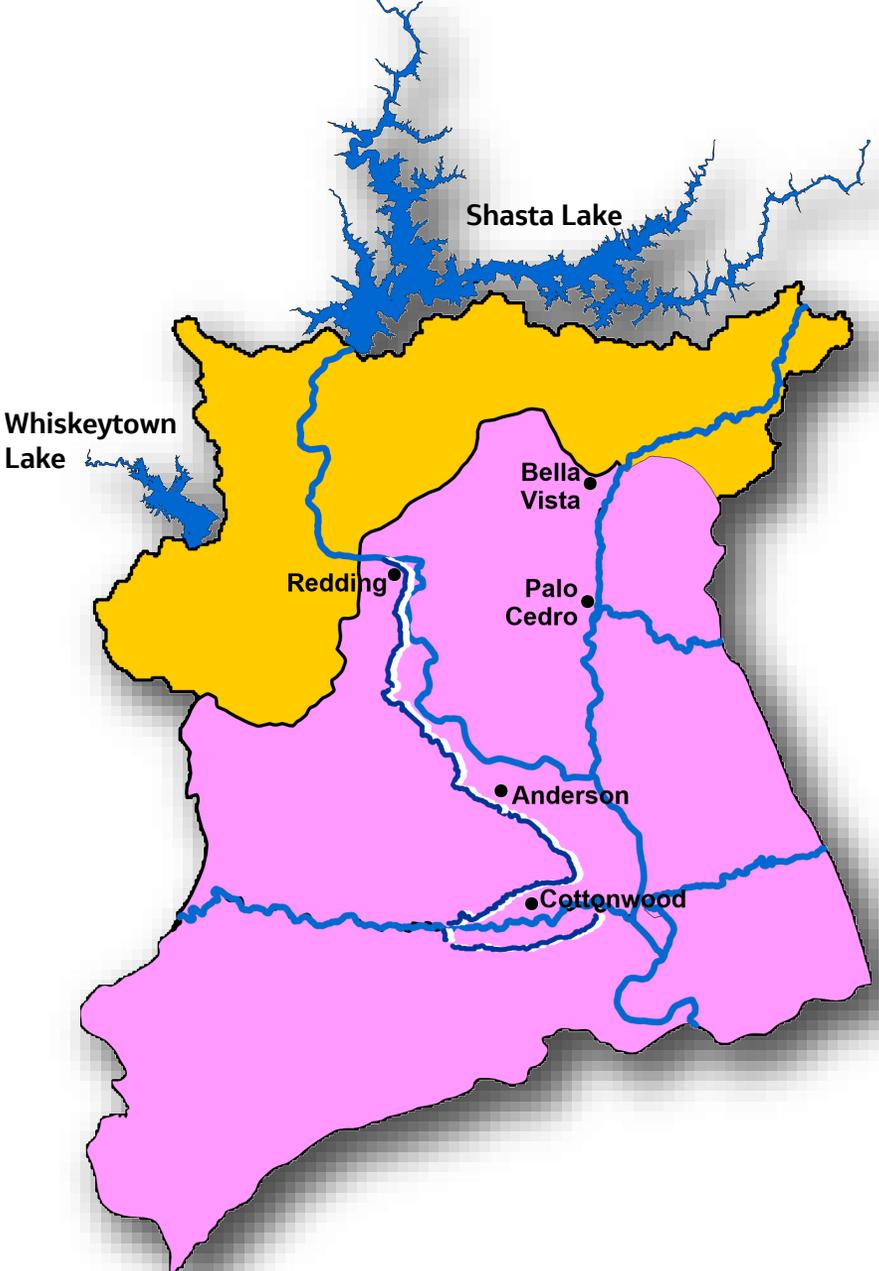
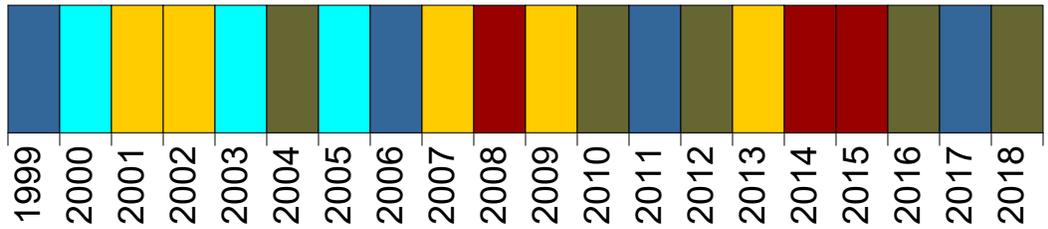


Overview of integrated flow model

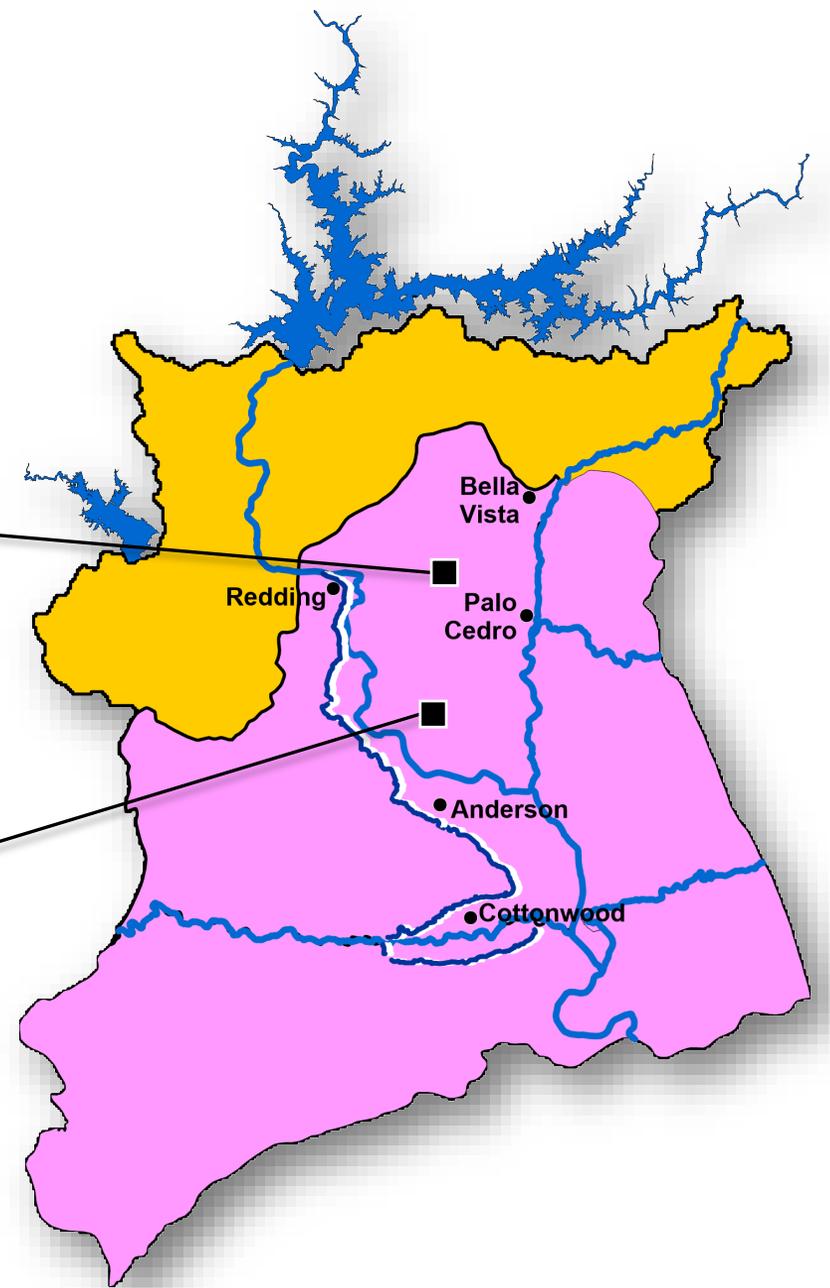
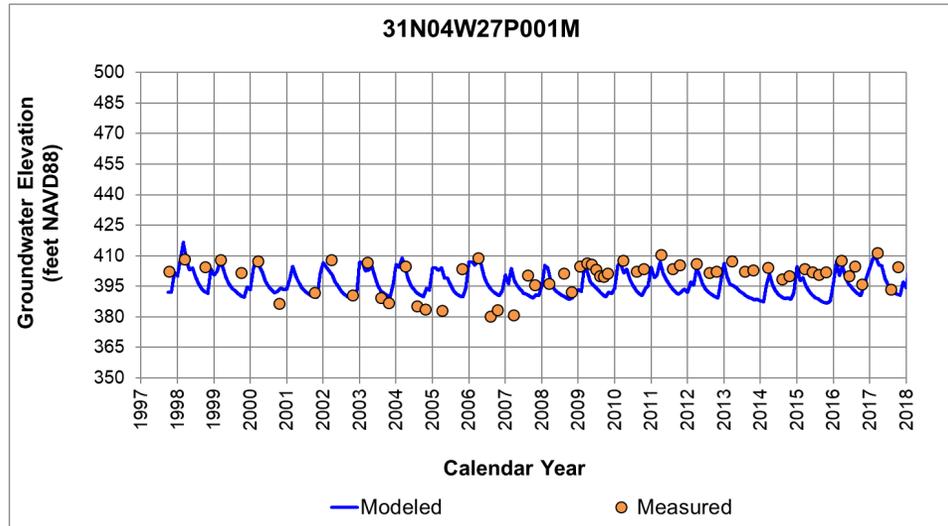
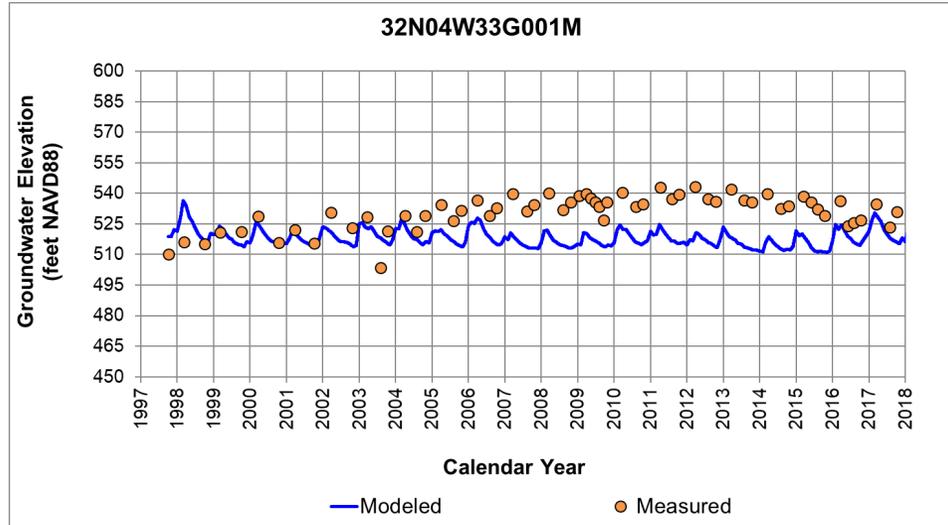
- Model domain
 - Represents Redding Area Groundwater Basin and local purveyor service areas
 - Incorporates estimated inflows from watershed surrounding
- Model timeframe
 - Historical: WY 1999 thru WY 2018 (20 years)
 - Future: WY 2019 thru WY 2068 (50 years)

Sacramento Valley Water Year Index

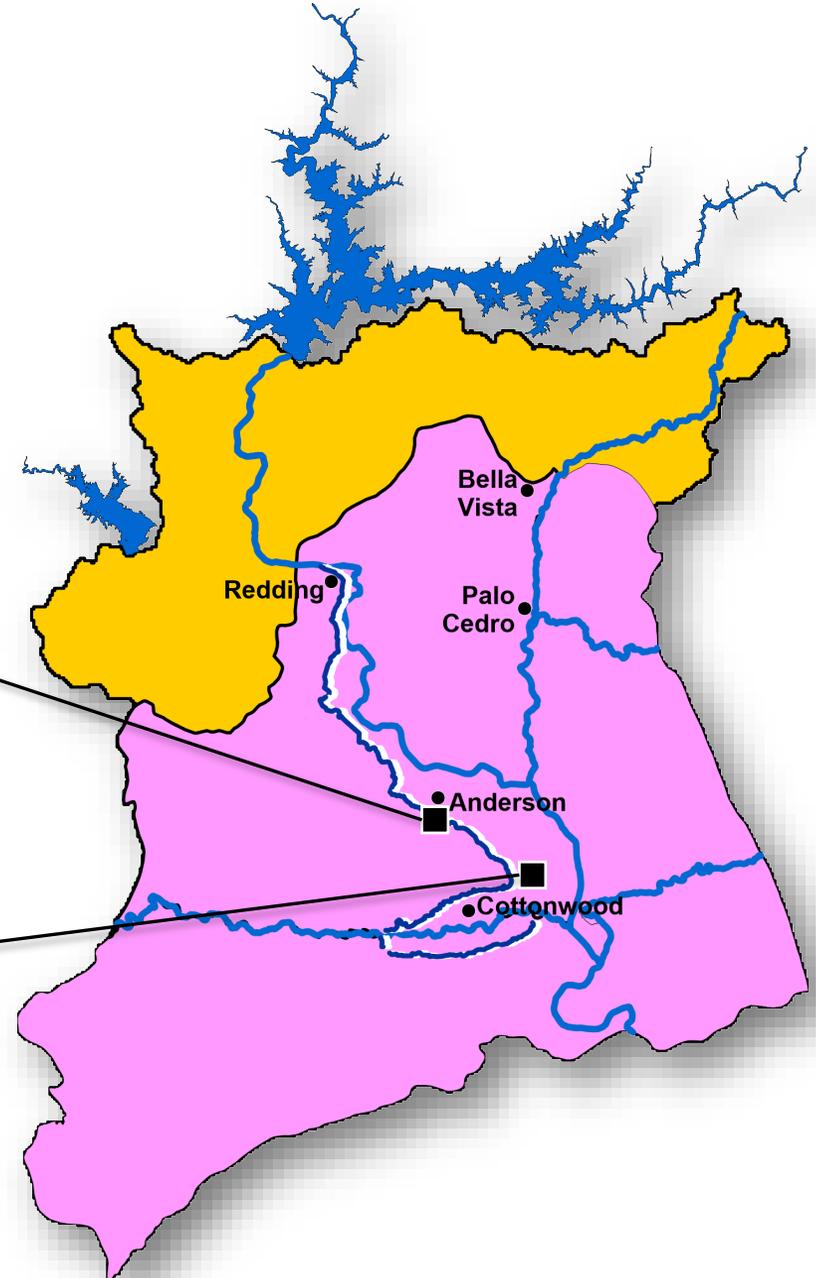
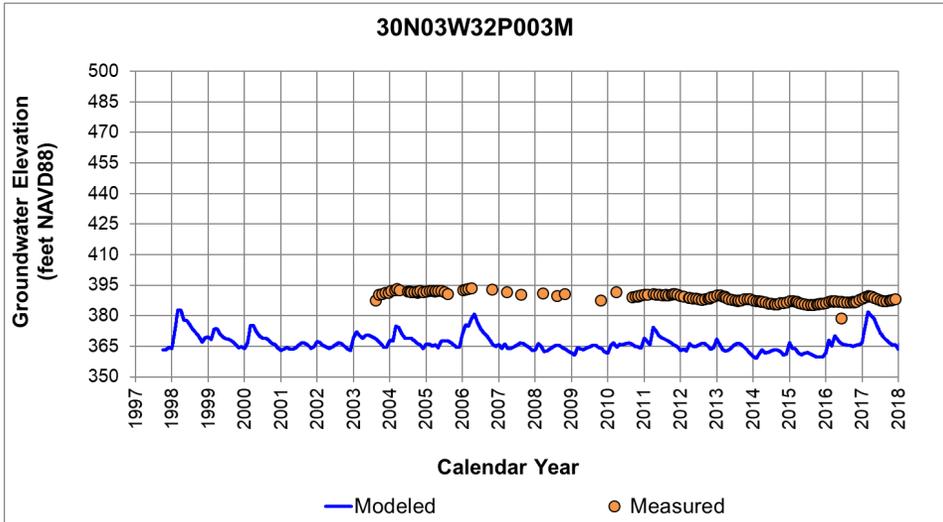
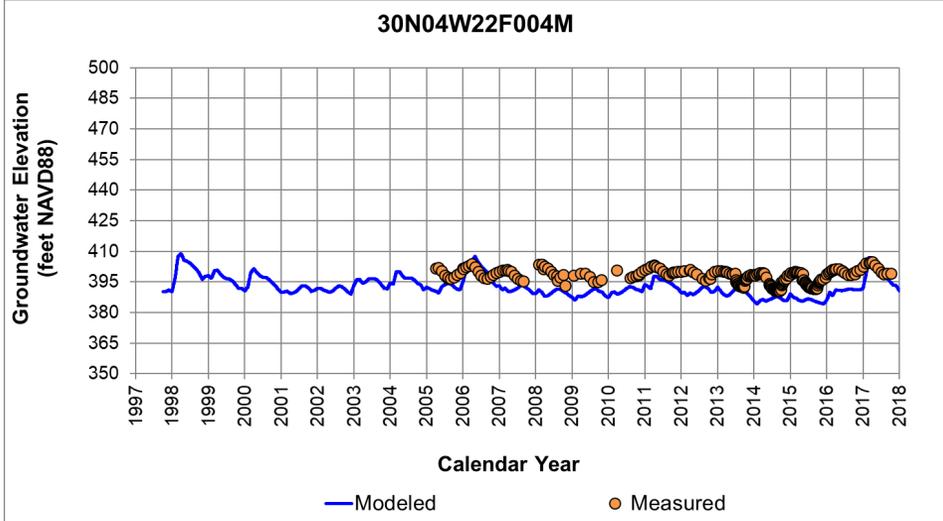
- Wet (W)
- Above Normal (AN)
- Below Normal (BN)
- Dry (D)
- Critical (C)



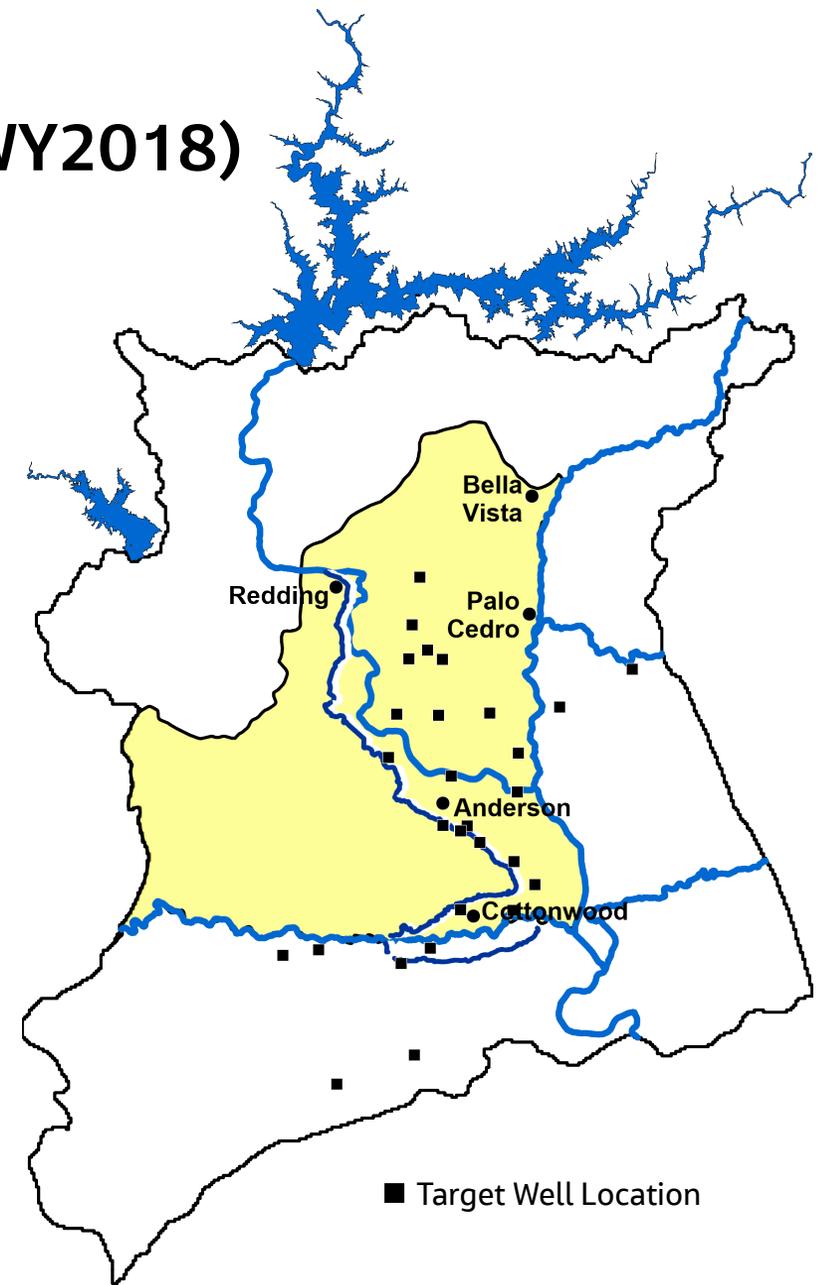
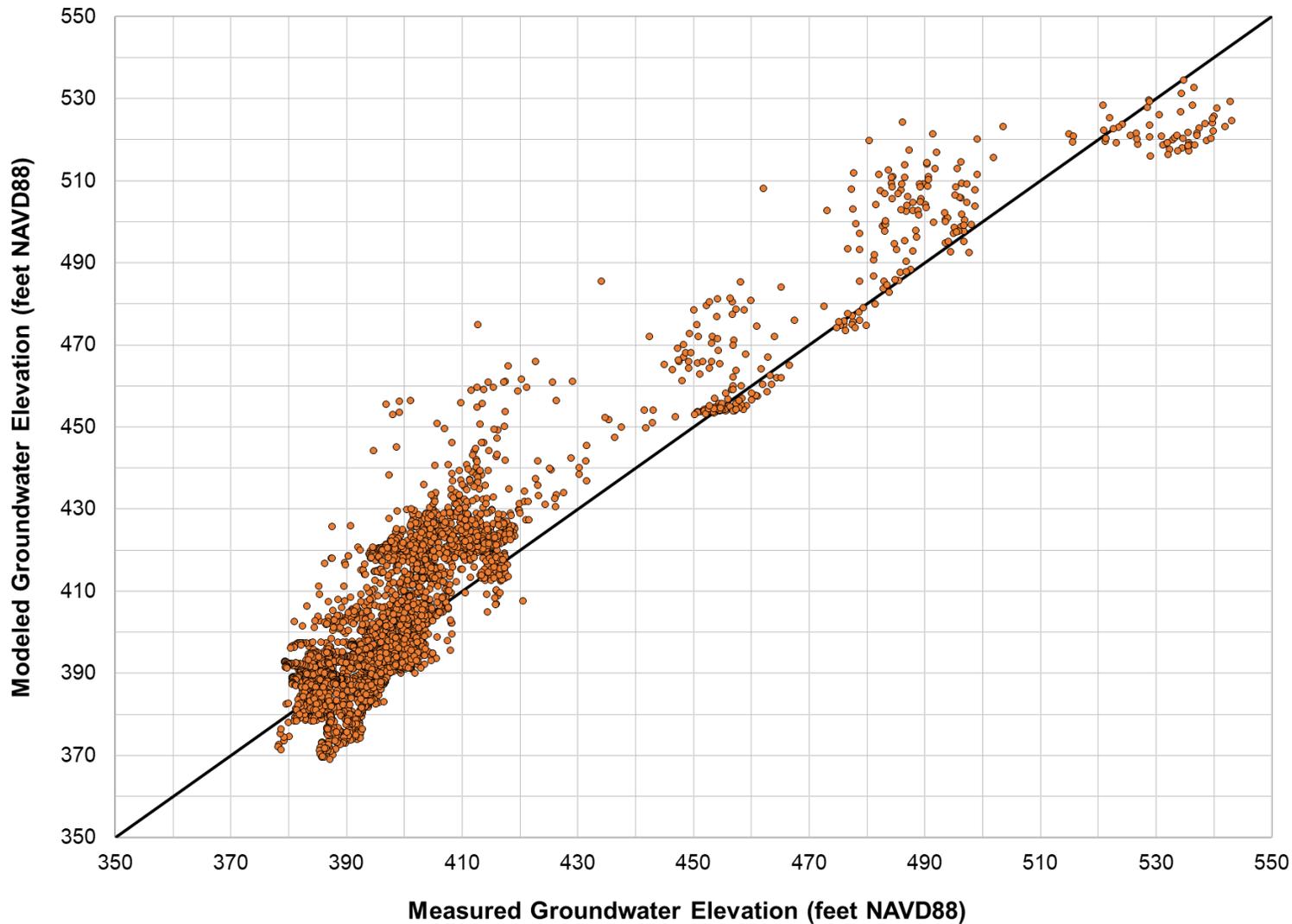
Calibration status: Example GW-level hydrographs



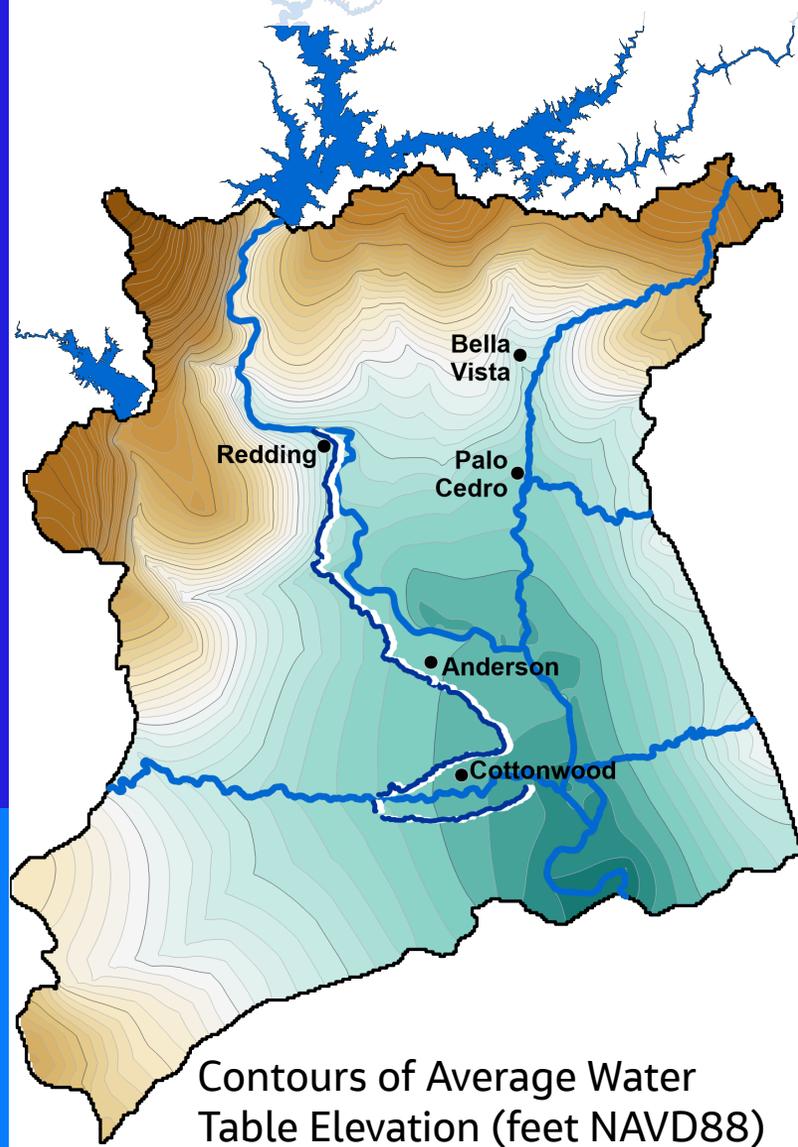
Calibration status: Example GW-level hydrographs (cont)



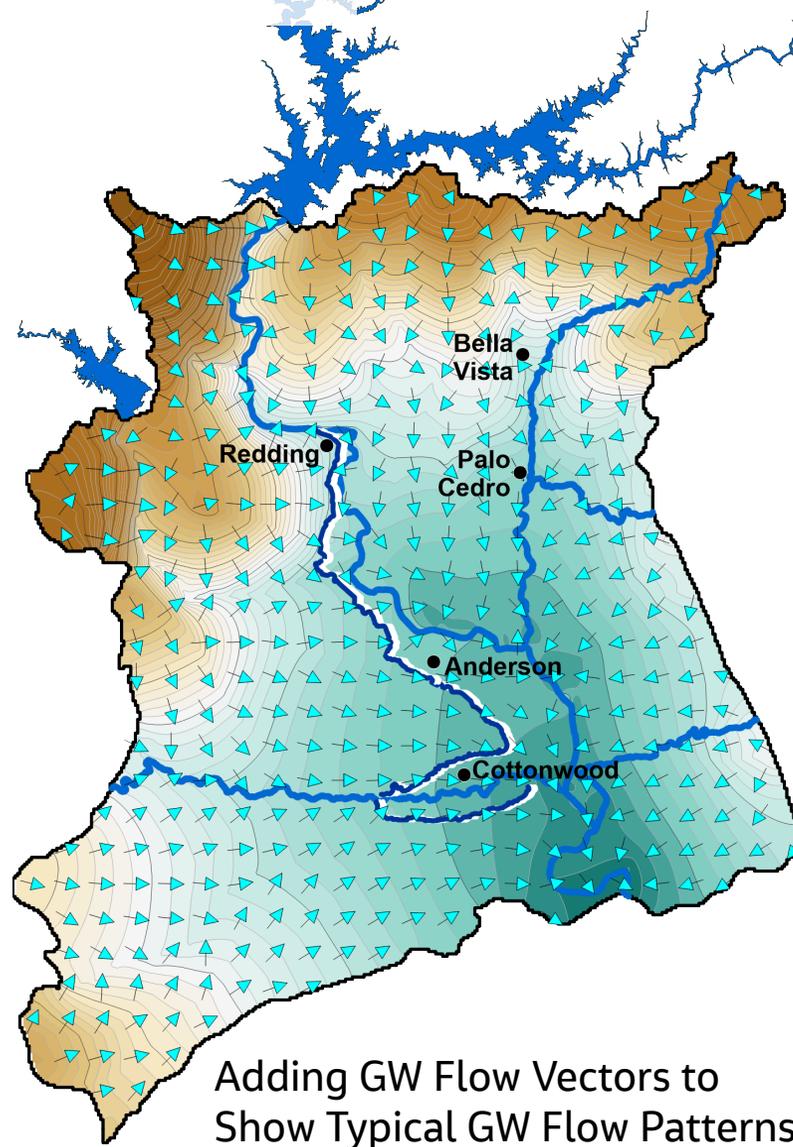
Calibration status: GW elevations (all locations and times WY1999 thru WY2018)



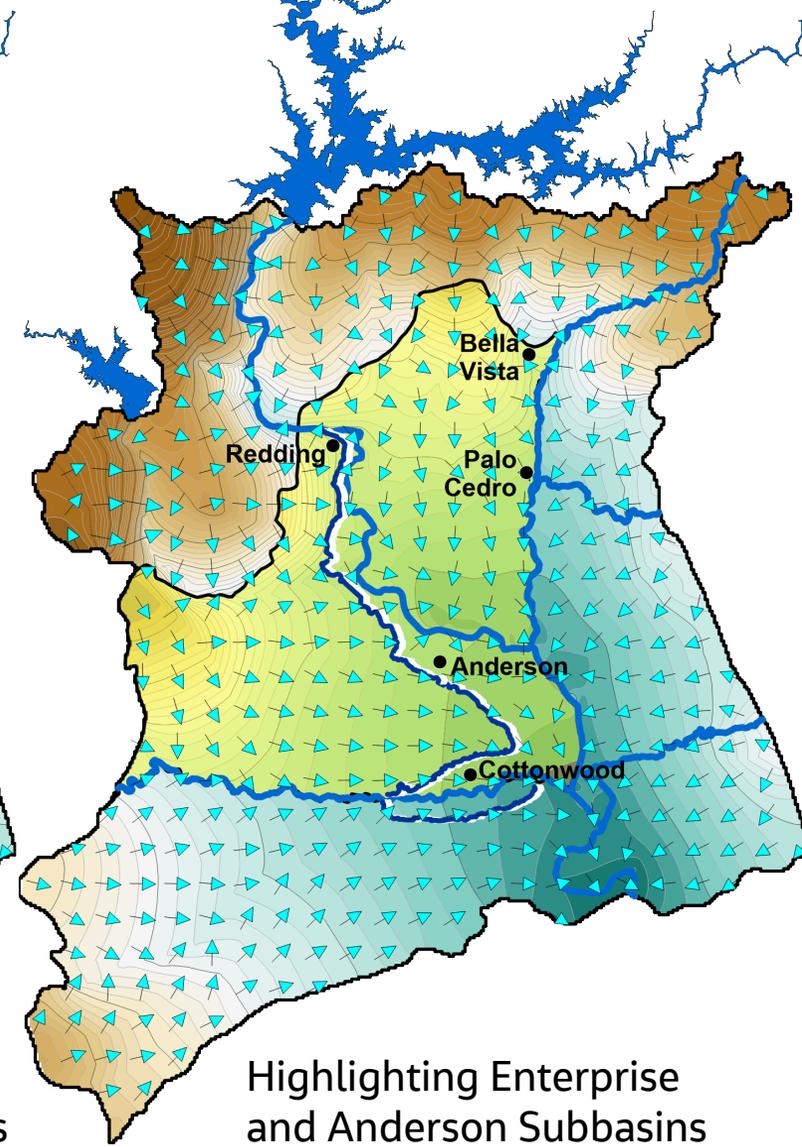
Modeled average GW flow patterns



Contours of Average Water Table Elevation (feet NAVD88)

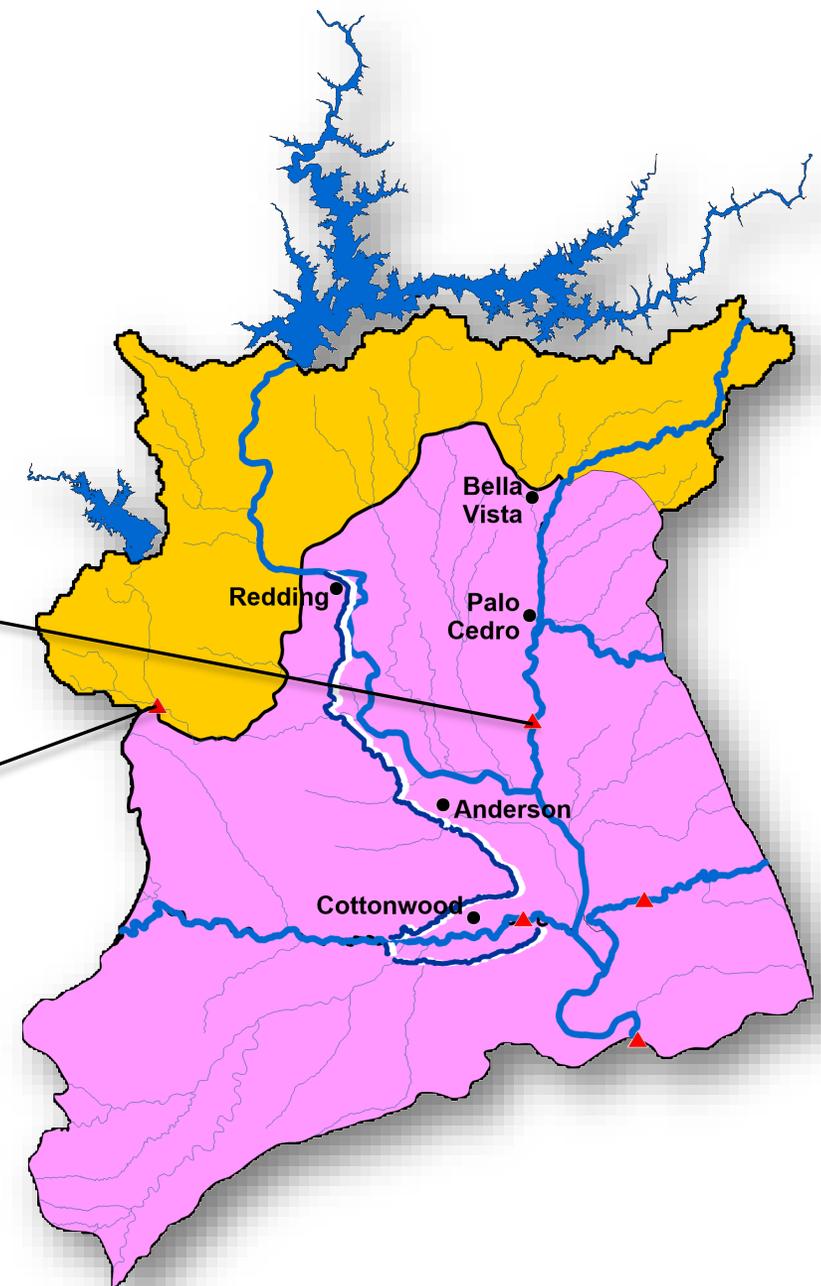
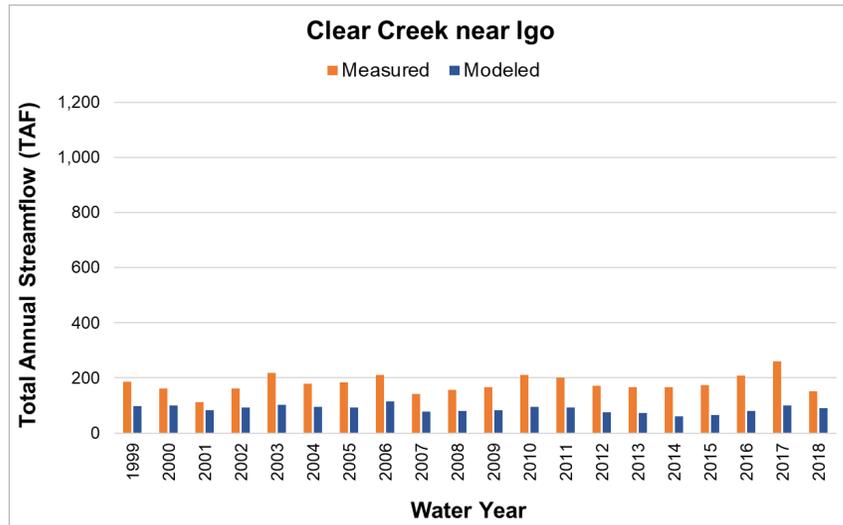
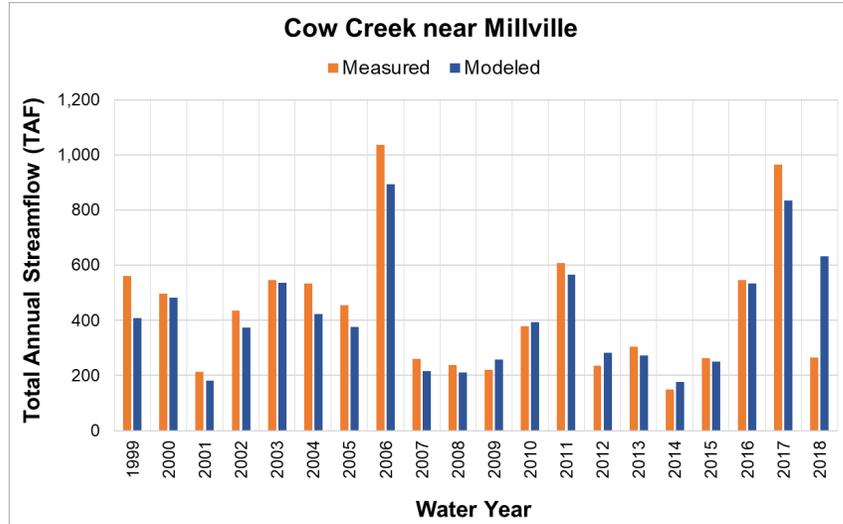


Adding GW Flow Vectors to Show Typical GW Flow Patterns

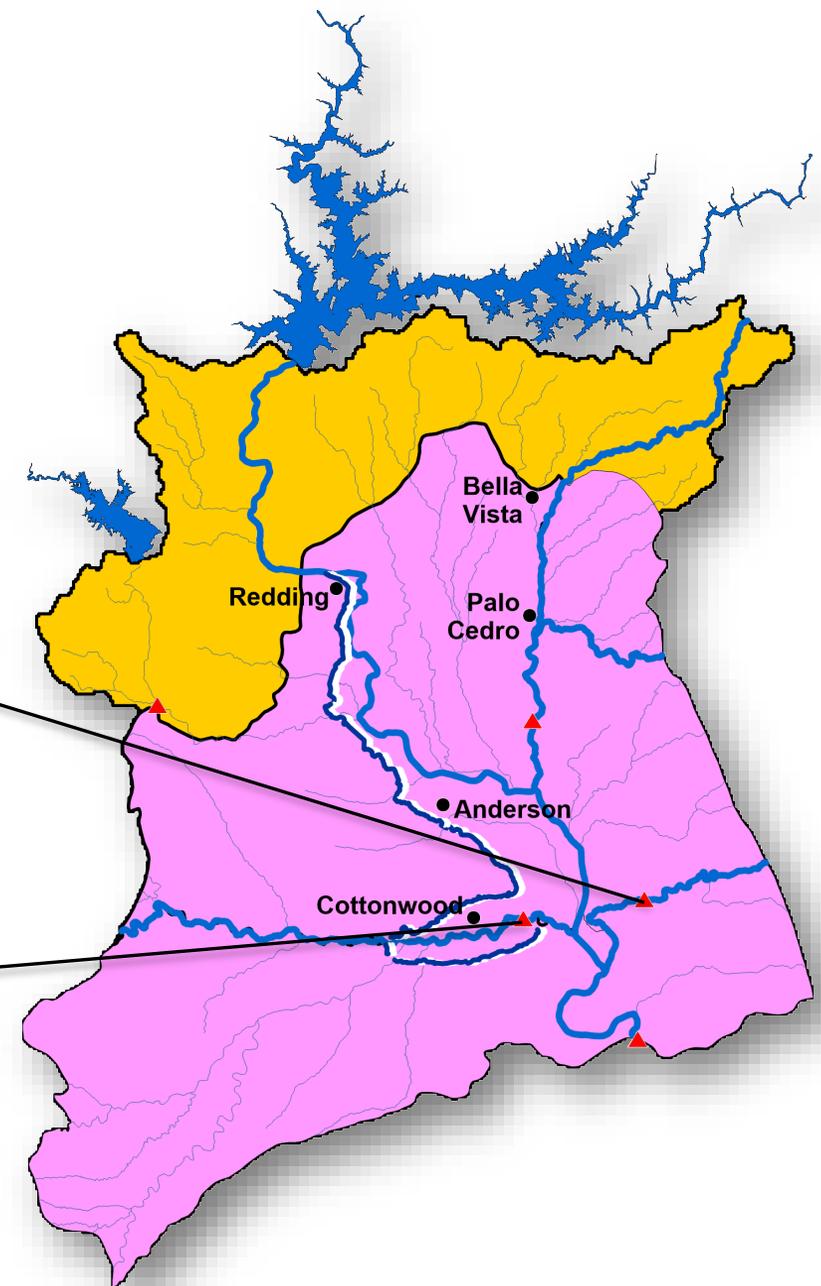
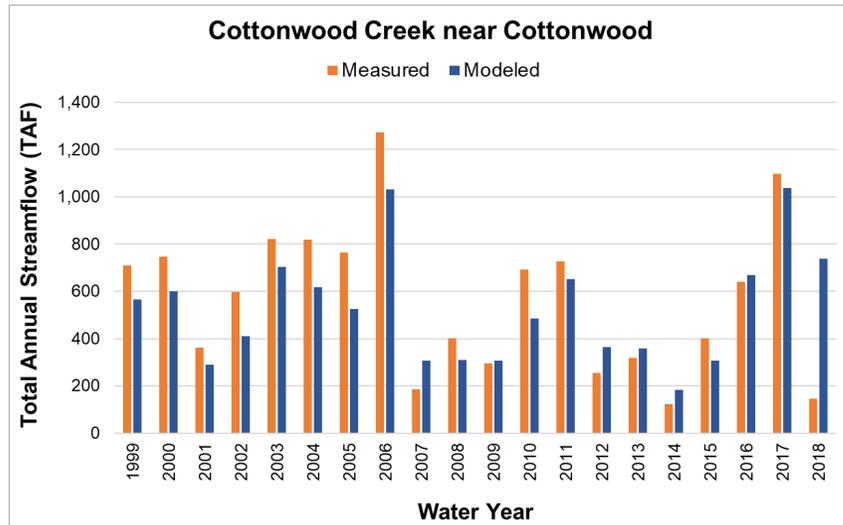
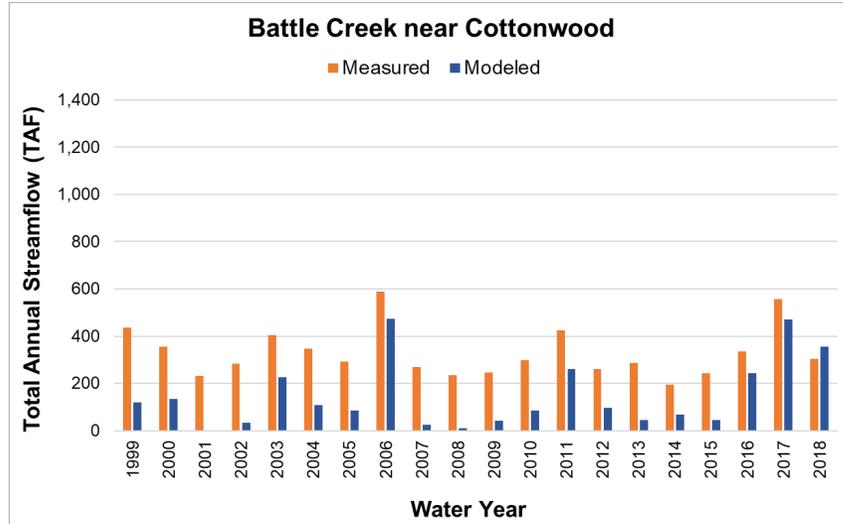


Highlighting Enterprise and Anderson Subbasins

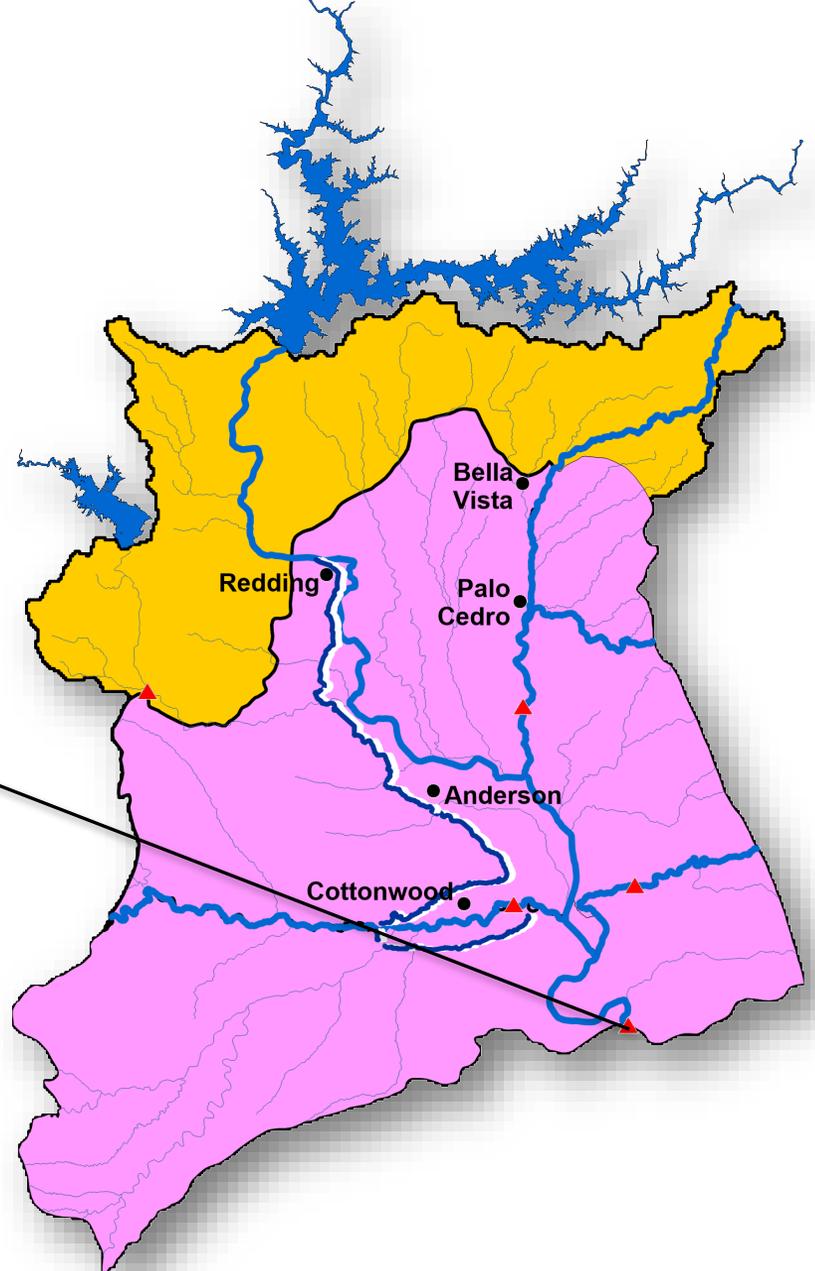
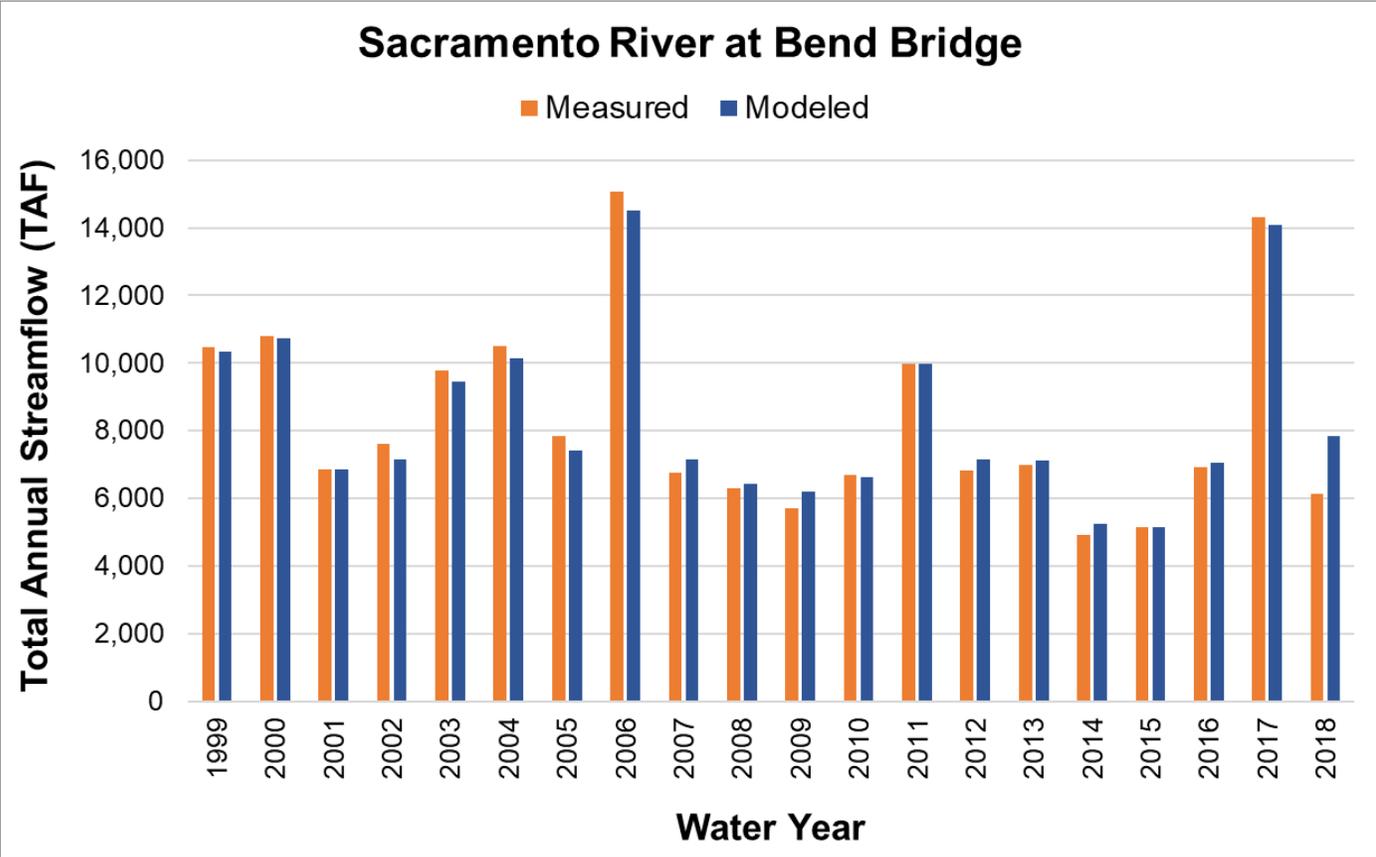
Calibration status: Example stream hydrographs



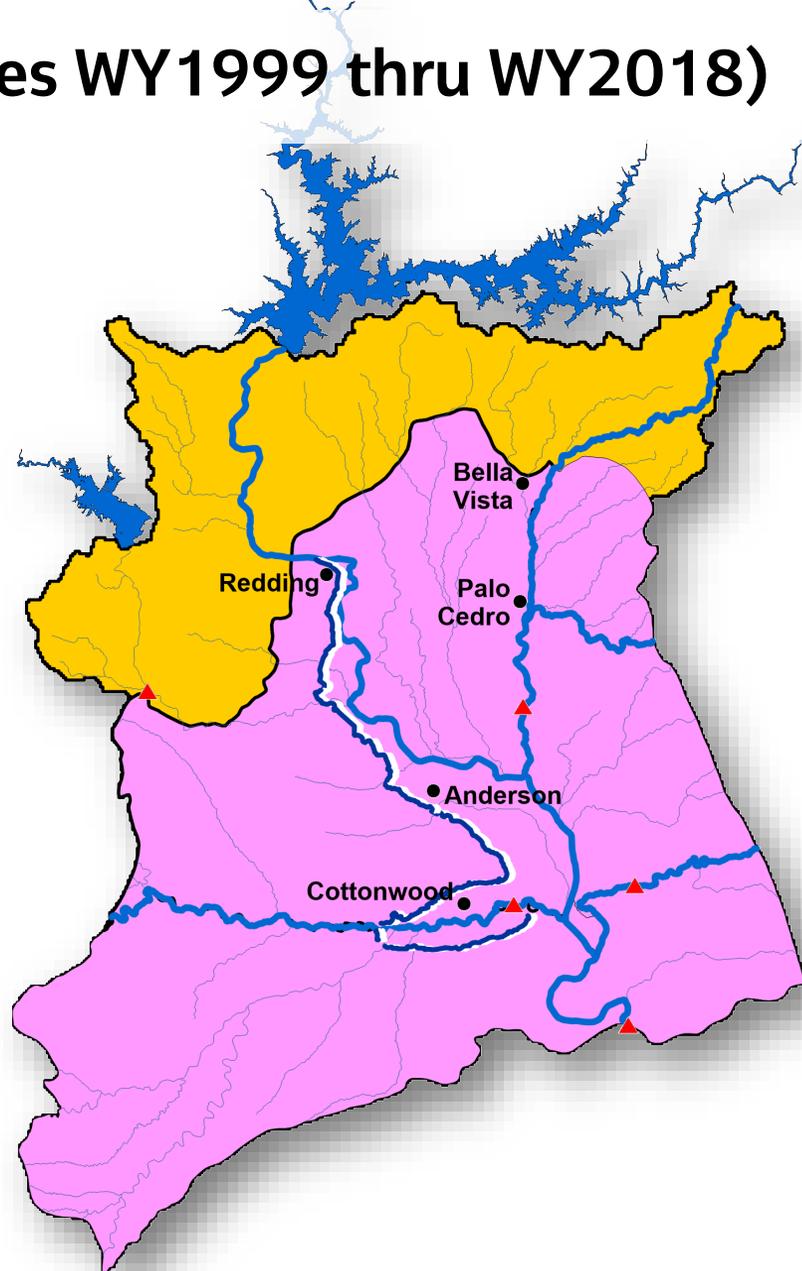
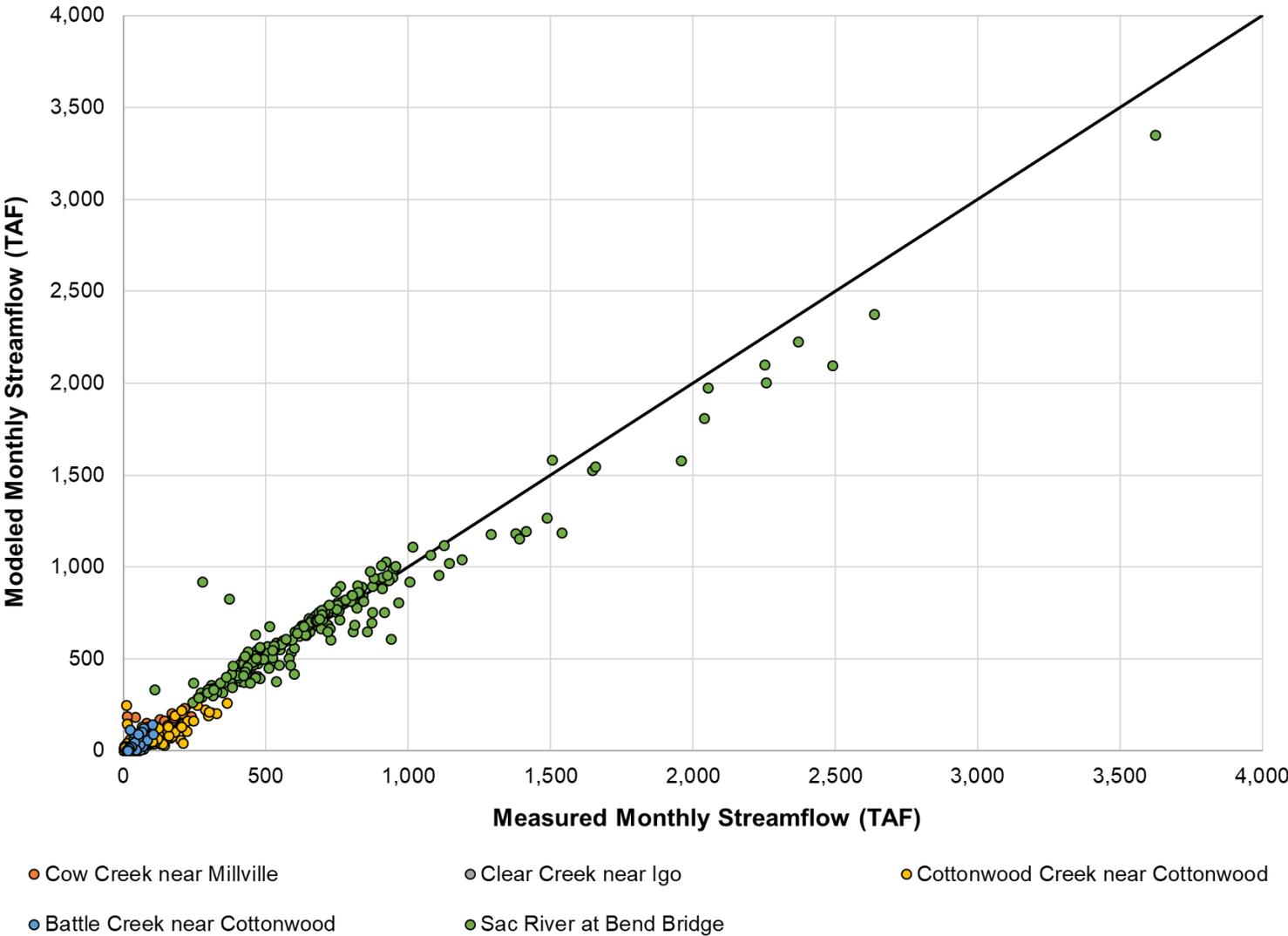
Calibration status: Example stream hydrographs (cont)



Calibration status: Example stream hydrographs (cont)



Calibration status: Streamflows (all locations and times WY1999 thru WY2018)



GSP technical update: Next steps for GSP development

- Outreach
 - Schedule public workshop (4Q20 or 1Q21)
 - Continue to develop targeted stakeholder briefing materials
- Integrated flow model
 - Prepare preliminary draft historical water budgets for local water purveyors' reviews (Aug)
 - Process hydrologic data for the 50-year planning period (WY 2019 thru WY 2068) (Aug/Sep)
 - Begin simulating hypothetical increased GW pumping to help develop SMC (Aug/Sep)
 - Begin writing technical appendix to document the modeling effort (Sep)
- Continue coordinating with MC to develop SMC for each SI (Aug-Jan)



- Begin writing subsequent chapters of GSPs (Sep/Oct)