



**Board of Directors Meeting**  
**Thursday, February 21, 2019**  
**City Council Chambers, Fillmore City Hall**  
**250 Central Avenue, Fillmore, CA 93015**

**MINUTES**

**Directors Present**

Director Kelly Long, Chair  
Director Ed McFadden, Vice Chair/Secretary/Treasurer  
Director Lynn Edmonds  
Director Gordon Kimball  
Director Glen Pace

**Directors Absent**

Director Candice Meneghin

**Staff Present**

Anthony Emmert, executive director  
Wayne Lemieux, legal counsel  
Kris Sofley, clerk of the board

**Public Present**

Matt Carpenter, Fivepoint NLF  
Emilio Cervantes, Jr., Fivepoint NLF  
Dan Detmer, UWCD  
Erin Gorospe, UWCD  
Tim Moore, DBS&A  
Tony Morgan, DBS&A  
George Reid  
Steve Zimmer

**1. Call to Order – First Open Session 5:15p.m.**

Chair Long called the meeting to order at 5:15p.m. She stated that, at the advice of legal counsel, the Executive Session would be moved to the end of the agenda discussions, with the Second Open Session occurring immediately after the end of Executive Session.

**4. Pledge of Allegiance**

Chair Long asked Vice Chair McFadden to lead the group in the Pledge of Allegiance.

**5. Directors Roll Call**

Director Edmonds, Director Kimball, Director Long, Director McFadden, and Director Pace all answered to the roll call. Director Meneghin was absent.

**6. Public Comments**

Chair Long asked if there were any public comments; none were offered.

**7. Approval of Agenda**

**Motion**

Chair Long asked if there were any questions or comments regarding the proposed changed to the agenda. None were offered.

Motion to approve the agenda with the change of moving items 2 Executive (Closed) Session and 3 Second Open Session to the end of the agenda discussions, Vice Chair McFadden; Second, Director Pace. Voice vote: five ayes (Edmonds, Kimball, Long, McFadden, Pace), none opposed, one absent (Meneghin). Motion carries 5/0/1.

**8. Director Announcements/Board Communications**

**Information Item**

Director Kimball reported that on January 29, at the joint Fillmore and Piru Pumpers Associations membership meeting, Mauricio Guardado presented the concept of an Article 21 fund to purchase supplemental water. Director Kimball said a lively discussion followed and it appeared that people were mostly in favor of exploring this further. At the February 12 Fillmore Pumpers Association meeting, Director Kimball was asked to bring the Article 21 concept to the GSA and to include it in the preparation of the agency's groundwater sustainability plan (GSP). Director Kimball said the question seemed to be if Article 21 water is available at the same time that the basins are full, how beneficial is the purchase to fee payers.

Chair Long asked if by fee he meant the fee paid to the Pumpers Association or the fee paid to the GSA. Director Kimball responded that it would have to be a fee paid to the GSA as the Pumpers Association does not represent all the pumpers in the basin. Director Edmonds asked about creating a reserve fund. Chair Long said this topic should be added to a future agenda for further discussion. Vice Chair McFadden said he believed it would be an assessment. Director Kimball said the group didn't really discuss how it would work, but there was strong support from the pumpers and their direction was to evaluate the concept as part of the GSP development process, and that it would require millions of dollars. Mr. Emmert said Article 21 water purchases typically cost about \$200 an acre foot, more or less. Vice Chair McFadden asked how bringing in outside water would

impact the basins. Chair Long said these are really good questions, but really needed to be on a future agenda to continue the discussion. Director Kimball added the sooner the discussion occurs, the more efficiently it can be evaluated. He also stated that the Piru Pumpers Association did not have a quorum at its meeting but the association would also address the concept at a future meeting.

Chair Long asked if there were any other reports or comments. None were offered.

## 9. **Executive Director Update** **Information Item**

Executive Director Mr. Emmert reported that the Department of Water Resources (DWR) had scheduled a kickoff meeting with staff on Thursday, February 28, which would be led by DWR's Eddie Pech, who serves as grant manager for the DWR. Chair Long said he was a very friendly person. Mr. Emmert said he had been very helpful in trying to structure the grant to benefit the GSA. He also reported that staff and the GSA's consultant DBS&A also had a kickoff meeting on January 31 to work through the details of the grant tasks and GSP development. Mr. Emmert said that staff is continuing to build the GSA's stakeholder list and thanked Chair Long for providing her list of area contacts to be included in outreach. He said the GSA had also received a list of disadvantage communities' contacts from the County and discussed several other ideas including a list of property owners and pumpers to establish the GS Stakeholders list. He said he was looking to schedule a meeting for the ad hoc stakeholders committee and was getting things together so they would have all the items they needed to discuss.

Director Edmonds said that she wrote and administered grants throughout her career and asked if the GSA was prepared for ongoing grant solicitation.

Mr. Emmert said the grant from DWR to prepare the GSPs were the first ones received by the new agency, and that the DWR grant covers a good chunk of costs. He said the design and construction of groundwater monitoring wells was pushed to the end of the project schedule, and that the big pill was to collect matching funds, and additional grants may be considered from there, as the GSPs have to be updated every five years and may require supplemental funds.

Chair Long added that Candice Meneghin was also very involved in grants and was looking at different grant opportunities that may be appropriate based on the GSA's projects and outside of the DWR. She added that if a grant meets the goals of the GSA and the Board agrees, those opportunities should be considered. Vice Chair McFadden said that the DWR grant was the heavy lifting and perhaps a reduced maintenance assessment could be considered once the initial GSPs are approved. Chair Long added that once the GSA gets

the job done, she expected the fees to be lowered. Mr. Emmert added that the Board could then also meet quarterly or semiannually, too.

**10. Legal Counsel Update**  
**Information Item**

Legal Counsel Mr. Lemieux said he had no updates at this time.

**11. Groundwater Sustainability Plans Development Update**  
**Information Item**

Mr. Morgan of Daniel B. Stephens and Associates reported that his team is continuing to work on the Stakeholder Outreach plan, and how it will be executed is the next big item. He added that this was a discussion which would be initiated with the ad hoc committee and then the full Board. Mr. Emmert asked if that would be in March and Mr. Morgan responded that preliminary plans could be discussed by Dave Ceppos, from Sacramento State, a member of the DBS&A team. Mr. Morgan said he gives a nice presentation and is responsive to the Board of Directors of the GSA while also meeting the requirements per SGMA. He added that he has seen Mr. Ceppos' presentations to several boards and it is good basic information. He said he would invite Mr. Ceppos to present at the March Board meeting.

Director Edmonds stated that she had heard from Bob Carson that Chiquita Canyon landfill was leaking contaminated water into the groundwater basin. Chair Long said that the FPB GSA, as required by SGMA, had reached out to other GSAs above and below its basins as part of its outreach effort. Mr. Morgan said as part of that outreach to other groups, he had already spoken with Tara Bravo who was handling stakeholder outreach for the Santa Clarita GSA. Vice Chair McFadden said intense stakeholder outreach is expected and Mr. Morgan said he would make sure his team covered that to DWR and SGMA specifications.

**12. CONSENT CALENDAR**

**12A Approval of Minutes**

The Board will consider approving the Minutes from the Board Meeting of January 18, 2019.

**12B Approval of Warrants**

The Board will consider approving the following invoices for payment:

OMLO, for December Legal Services, \$760.

OMLO, for January Legal Services, \$1,426.

Fillmore Post Office, one year post office box rental, \$234.

UWCD, financial, administrative and technical support, \$19,005.99

## **12C Monthly Financial Report**

The Board will receive a monthly profit and loss statement and balance sheet for the FPB GSA from UWCD's accounting staff.

Director Pace mentioned that in the UWCD invoice included in 12B for the period of October through December 2018, the salary rate for the executive assistant showed an overtime rate that was the same as the regular pay rate and should be corrected. UWCD's Erin Gorospe said she would correct the error, which amounted to about a \$300 increase in the amount charged.

Motion to approve the Consent Calendar, Vice Chair McFadden; Second Director Kimball. Voice vote: five ayes (Edmonds, Kimball, Long, McFadden, Pace); none opposed; one absent (Meneghin). Motion carries unanimously 5/0/1.

## **13. ACTION ITEMS**

### **13A Election of Board Officers**

#### **Motion**

The Board members had a brief discussion of changing officers before deciding to stay the course for 2019 with Chair Long and Vice Chair, Secretary and Treasurer McFadden. Mr. Lemieux said that, according to Roberts Rules there doesn't need to be a second to the nominations as the Board decided to continue with the same officers.

## **14. INFORMATION ITEMS**

### **14A Presentation on United Water Conservation District's Groundwater Model**

#### **Information Item**

The Board received a presentation from United Water Conservation District's Supervising Hydrogeologist Dan Detmer on the expansion of the District's groundwater model to the Fillmore and Piru Basins. (see attached presentation)

Chair Long asked if stakeholder engagement could begin while tech work was being done. Mr. Detmer said that when UWCD staff have an example of what the cross-sections look like, that may make for a better presentation to stakeholders. Mr. Emmert asked Mr. Detmer to discuss who staff expect to work with the agency's consultant. Mr. Detmer said that that staff and DBS&A are working together and Mr. Morgan added that his firm was in general agreement with UWCD on how it is approaching the mapping.

Mr. Emmert mentioned third party review. Mr. Detmer said that UWCD did groundwater model development on the Oxnard Plain and Fox Canyon GMA convened an expert panel to review and advise staff on the model. Mr. Detmer said the panel reported its approval and cited the robustness of the groundwater model and confirmed the calibrations used. A similar review is intended of the model for the Fillmore and Piru basins model. Mr. Detmer said staff does its best to produce useful tools.

Chair Long expressed her appreciation for Fox Canyon GMA's validation of UWCD's groundwater model and said it seems to be accepted by DWR and she appreciates staff's due diligence.

Mr. Detmer said staff takes this very seriously. He also mentioned that the UWCD website posted the model documents and expert panel report and that Fox Canyon GMA hired independent reviewers to evaluate the groundwater model and staff has every intention to continue that validation process.

Chair Long said that protected the GSA from legal issues. Mr. Detmer added that the consultant to Fox Canyon GMA was Dudek. Vice Chair McFadden asked if Mr. Detmer could continue to update the Board on the groundwater modeling and Mr. Emmert asked how often the Board would like to be updated. Mr. Detmer suggested he would continue to update the Board as each milestone is met.

**2. EXECUTIVE (Closed) SESSION 6:35p.m.**

**2A Conference with Legal Counsel-Anticipated Litigation**

Conference with legal counsel; Government Code sec 54956.9; potential litigation: two cases.

**3. Second Open Session 6:52p.m.**

**3A Oral Report Regarding Executive (Closed) Session  
Information Item**

The GSA's Legal Counsel Mr. Lemeiux reported that the Board took no action in Executive Session as defined under the Brown Act.

**FUTURE TOPICS FOR BOARD DISCUSSION**

Chair Long asked that staff report back to the Board on the numbers of pumpers added to the GSA as a result of the final and approved Basin Boundary Modifications, and Director Kimball asked if, after approval of the boundary modification, staff intended to bill those new additions for the two week period in January. Chair Long also asked staff to provide

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At 6:53p.m., the Chair adjourned to the next Regular Board Meeting on Thursday, March 21, 2019, or call of the Chair.

ATTEST: Kelly Long  
Kelly Long, Chair, FPB GSA Board of Directors

I certify that the above is a true and correct copy of the minutes of the Fillmore and Piru Basins Groundwater Sustainability Agency's Board of Directors meeting of February 21, 2019.

ATTEST: Kris Sofley  
Kris Sofley, Clerk of the Board



## BOARD MEETING

February 21, 2019 @ 5:00pm

City Council Chambers, Fillmore City Hall

250 Central Avenue, Fillmore, CA 93015

Name: Tim Moore

Organization: DBS&A

Phone: \_\_\_\_\_

E-mail: \_\_\_\_\_

Name: Matt Carpenter

Organization: Firepoint NLF

Phone: \_\_\_\_\_

E-mail: \_\_\_\_\_

Name: Tony Morgan

Organization: DBS&A

Phone: \_\_\_\_\_

E-mail: \_\_\_\_\_

Name: Don Detmer

Organization: \_\_\_\_\_

Phone: \_\_\_\_\_

E-mail: \_\_\_\_\_

Name: George Ruff

Organization: \_\_\_\_\_

Phone: \_\_\_\_\_

E-mail: \_\_\_\_\_

Name: \_\_\_\_\_

Organization: \_\_\_\_\_

Phone: \_\_\_\_\_

E-mail: \_\_\_\_\_

Name: Emilio Carrantes Jr.

Organization: Firepoint NLF

Phone: \_\_\_\_\_

E-mail: \_\_\_\_\_

Name: \_\_\_\_\_

Organization: \_\_\_\_\_

Phone: \_\_\_\_\_

E-mail: \_\_\_\_\_

Name: Steve Zimmer

Organization: \_\_\_\_\_

Phone: \_\_\_\_\_

E-mail: \_\_\_\_\_

Name: \_\_\_\_\_

Organization: \_\_\_\_\_

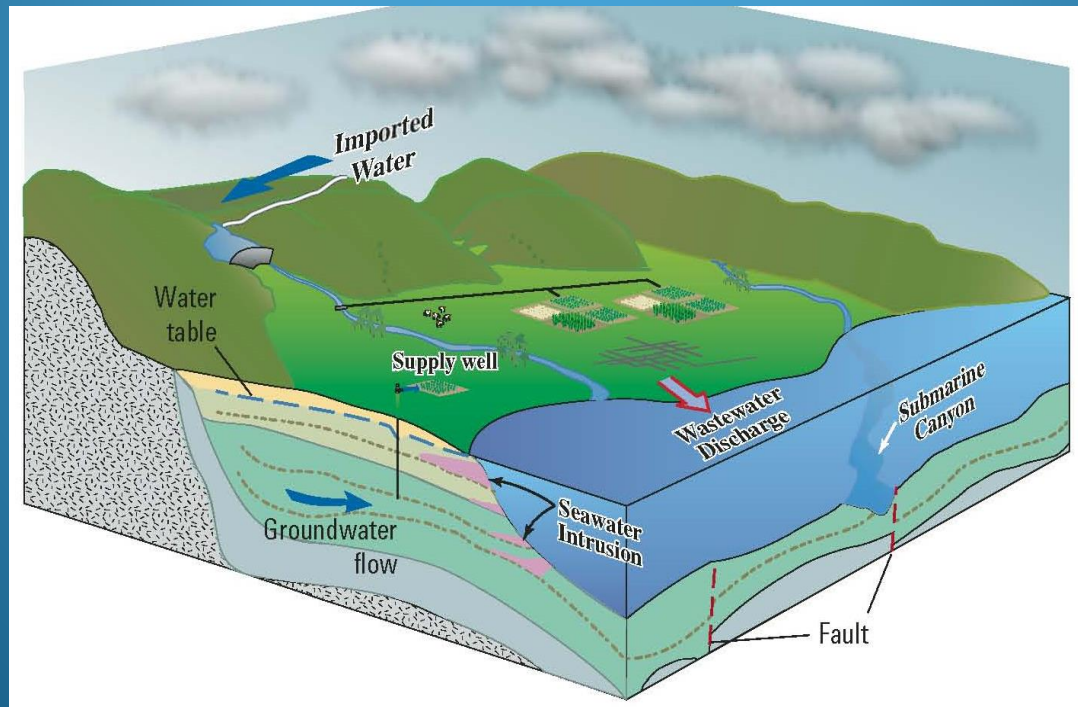
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# UWCD Groundwater Model Development

FPBGSA Board Meeting, February 21, 2019



## Who We Are:

United Water Conservation District is a public agency that encompasses about 214,000 acres of central Ventura County.



## The District's mission statement is:

*United Water Conservation District shall manage, protect, conserve, and enhance the water resources of the Santa Clara River, its tributaries and associated aquifers, in the most cost-effective and environmentally balanced manner.*

# UWCD Groundwater Model

- United helped fund the USGS Santa Clara-Calleguas groundwater flow model in 1990s
- Used for various project evaluations and 2007 Fox Canyon GMA Management Plan Update
- Staff recognized need for an improved model to guide policy decisions.
- UWCD Board asked for development of a new model that could address aquifer-specific questions
- Basin Conceptual Model (BCM) development was initiated in 2013, Dr. Jason Sun hired in fall 2013

# UWCD Groundwater Model

- SGMA (2015) requires Groundwater Sustainability Plans for basins
- Groundwater flow models useful for:
  - Determination and analysis of water budgets (sustainable yield)
  - Evaluating the effectiveness and impacts of potential water management scenarios, such as
    - Changing the volume or distribution of pumping
    - New water supply projects
    - Groundwater-surface water interactions
    - Future climate conditions

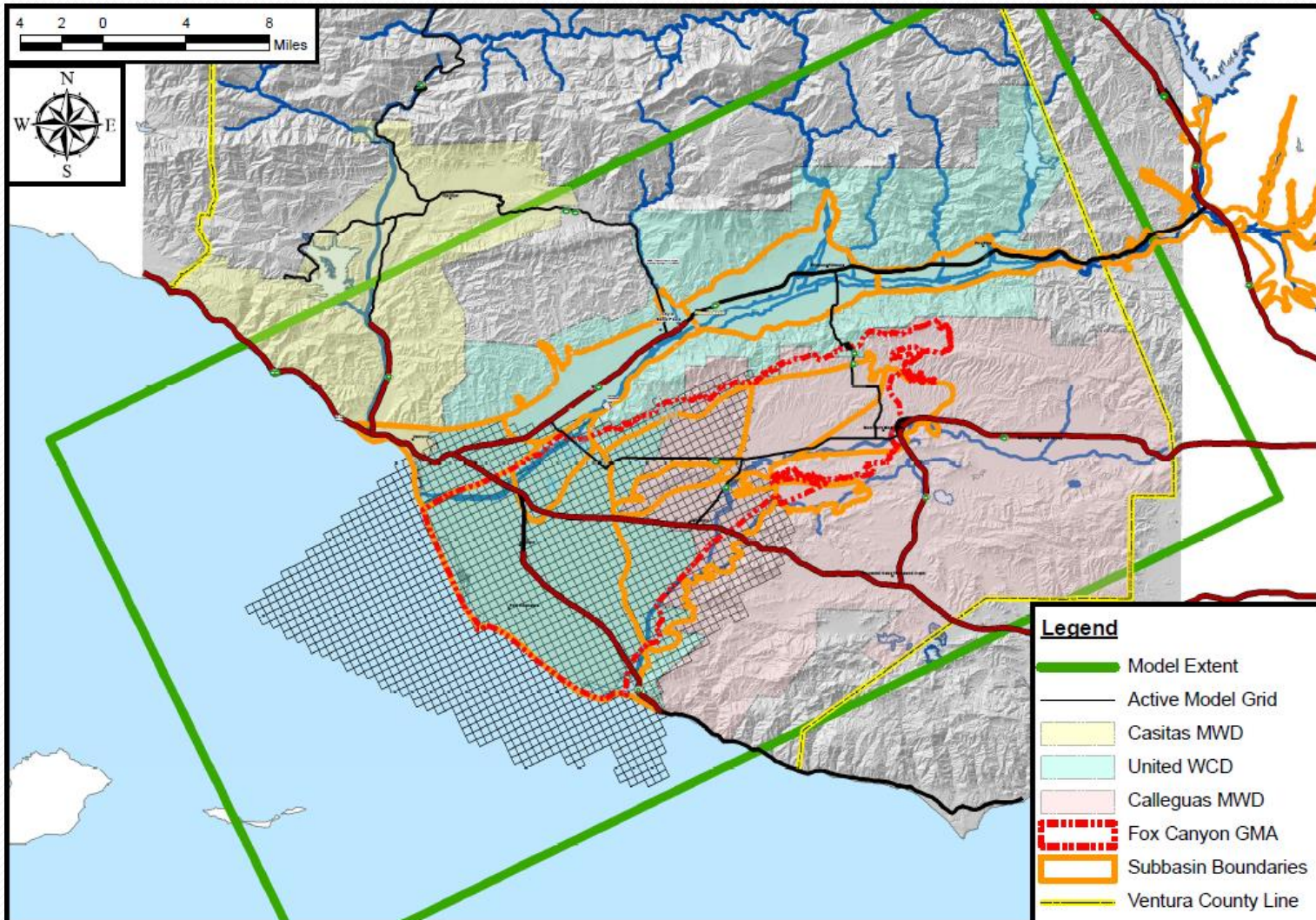
# Hydrogeologic Conditions

A conceptual model of the basins is required before a numerical model can be developed, which includes

- Mapping of hydrostratigraphic units (geologic framework)
- Sources of recharge, including precipitation and streamflow sourcing from outside the model domain
- Consumptive use of water within the model domain
- Groundwater and surface water discharge

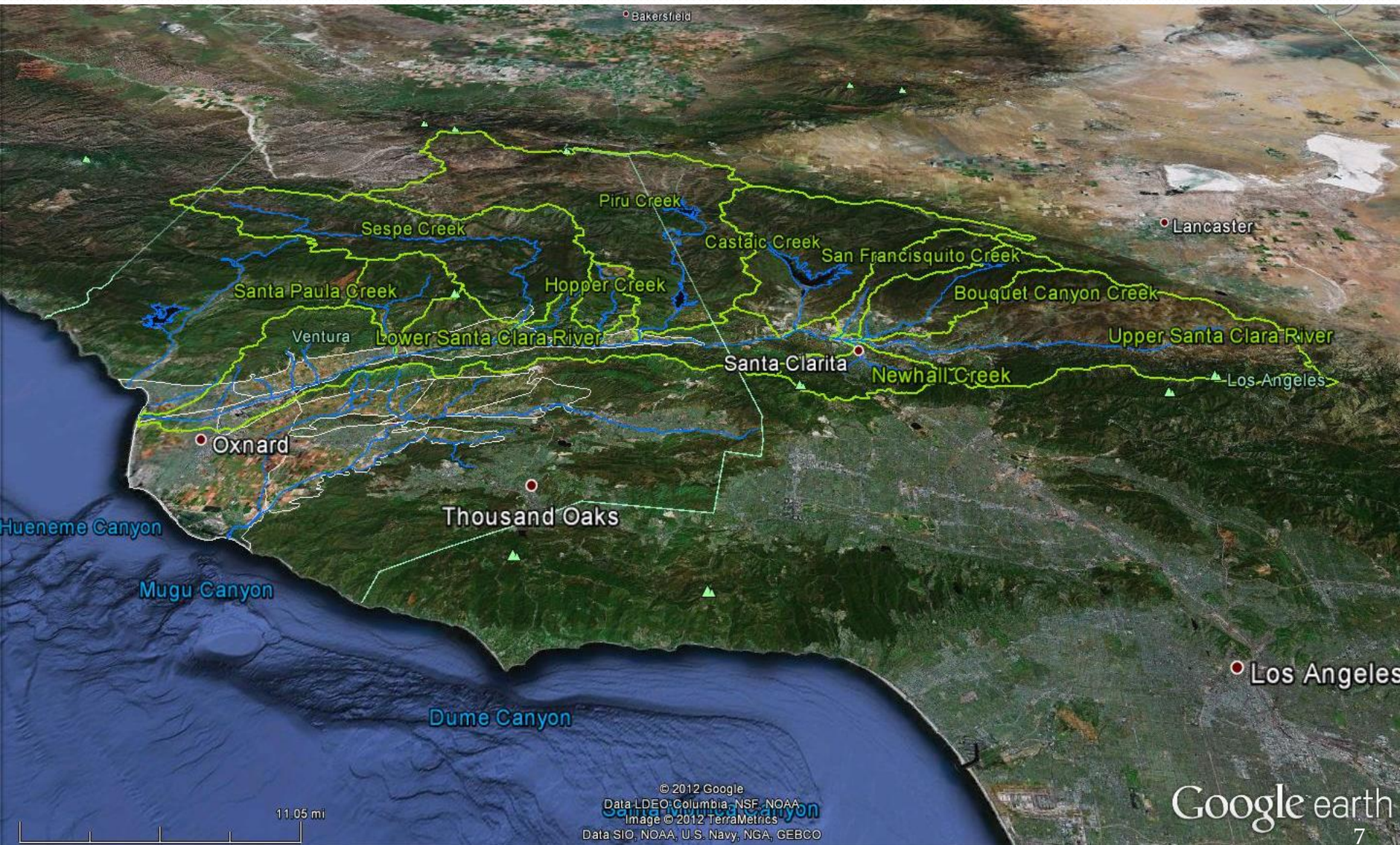


# Model Domain and Grid

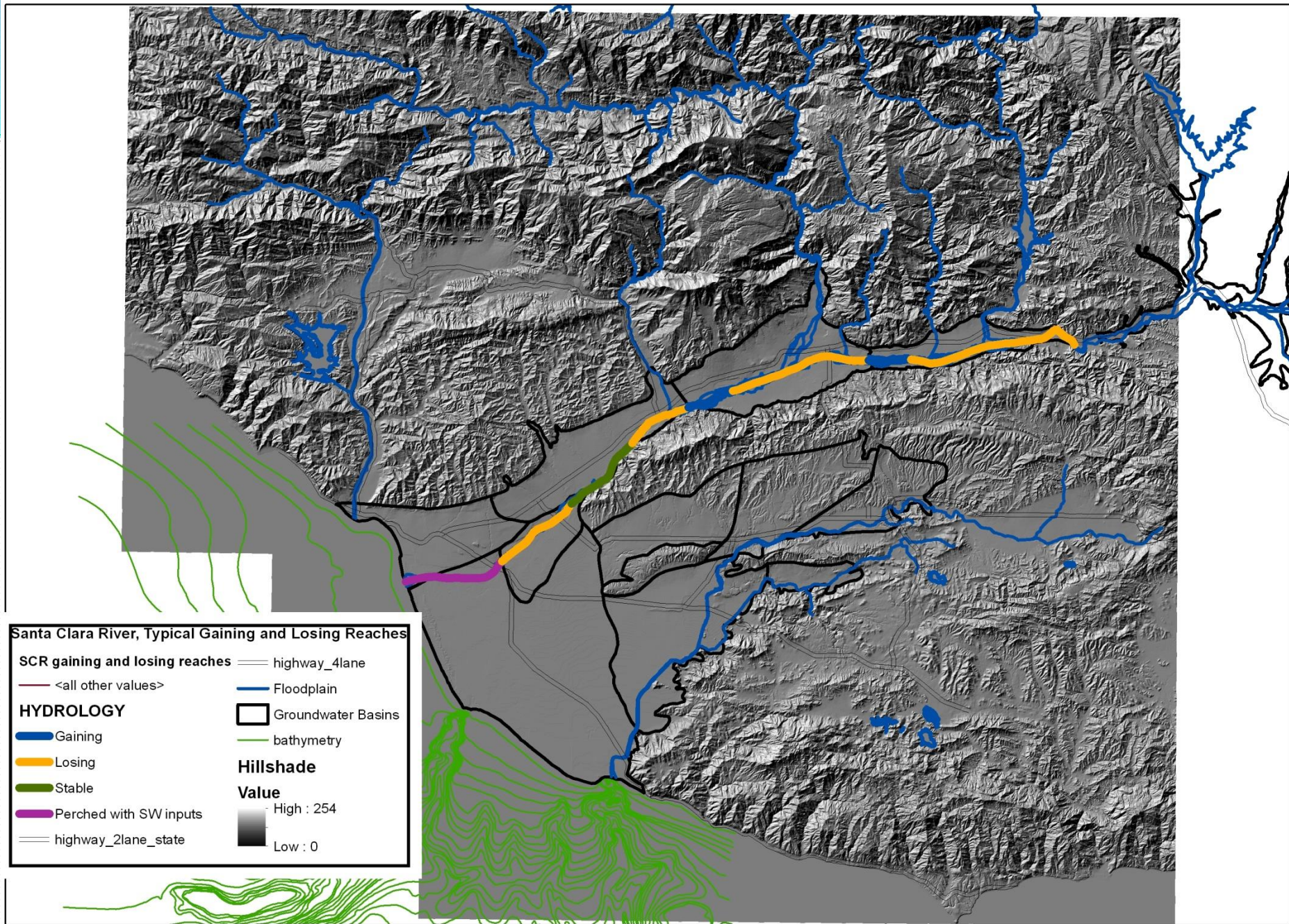




# Sub-watersheds of the SCR

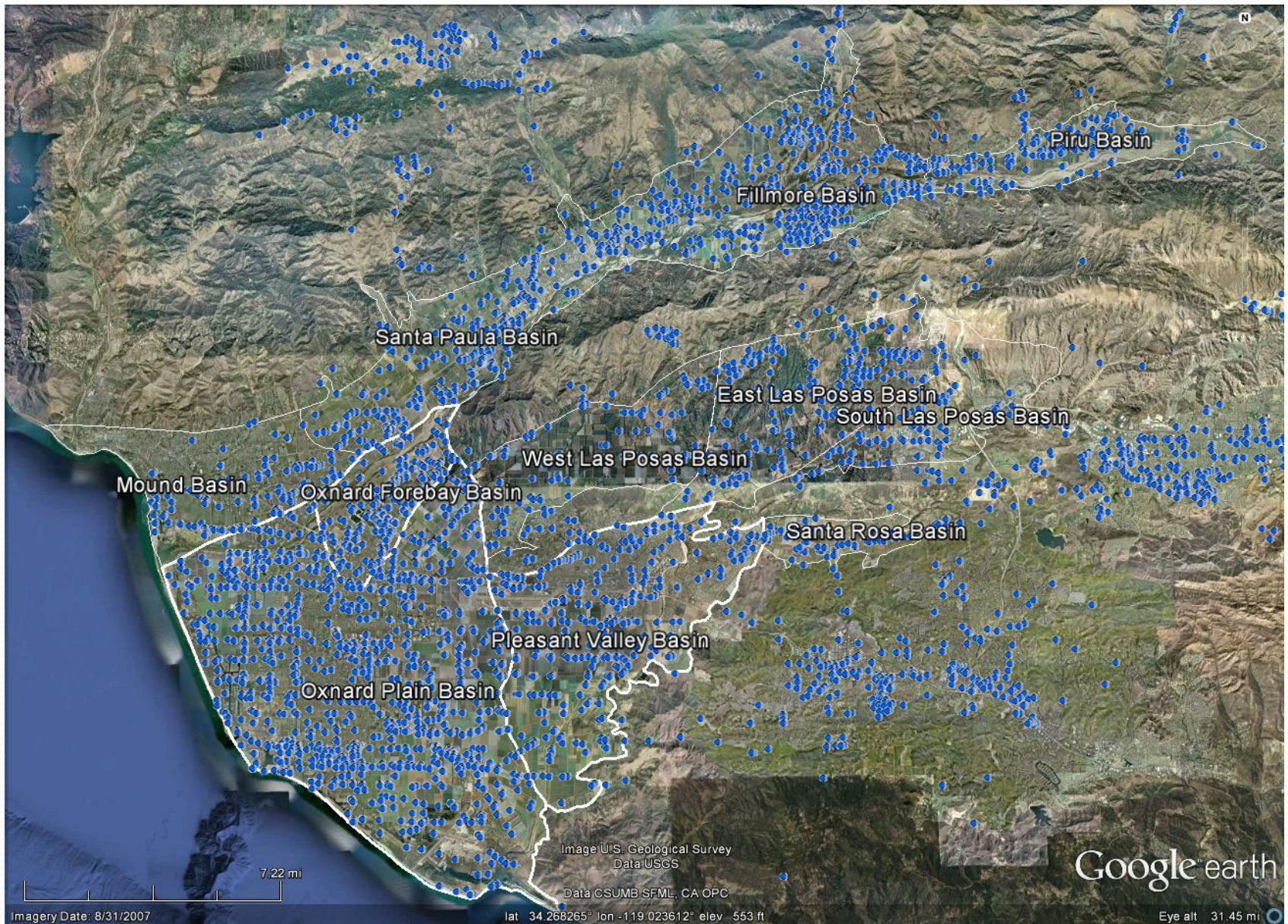






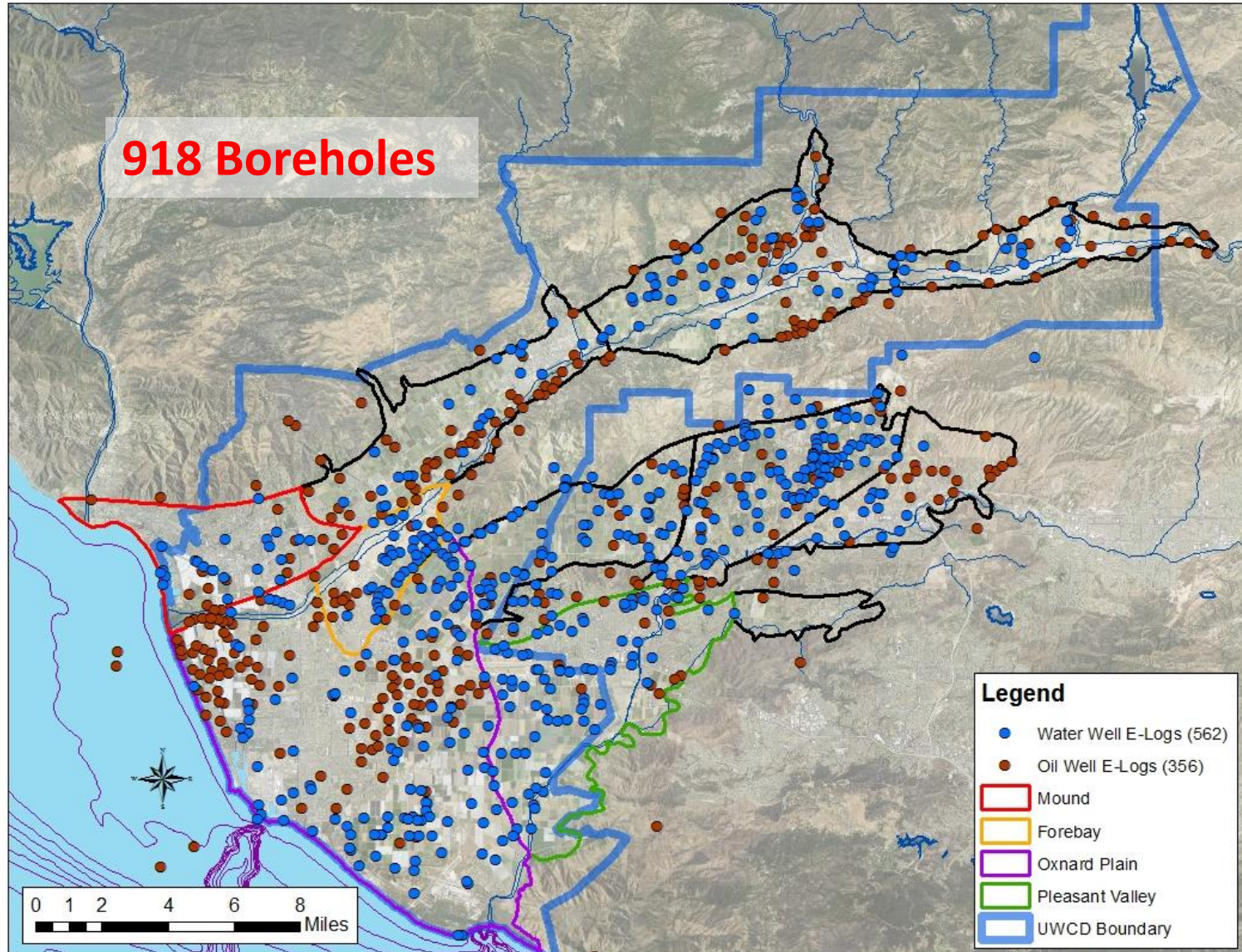


# Water Wells- All Historic Wells



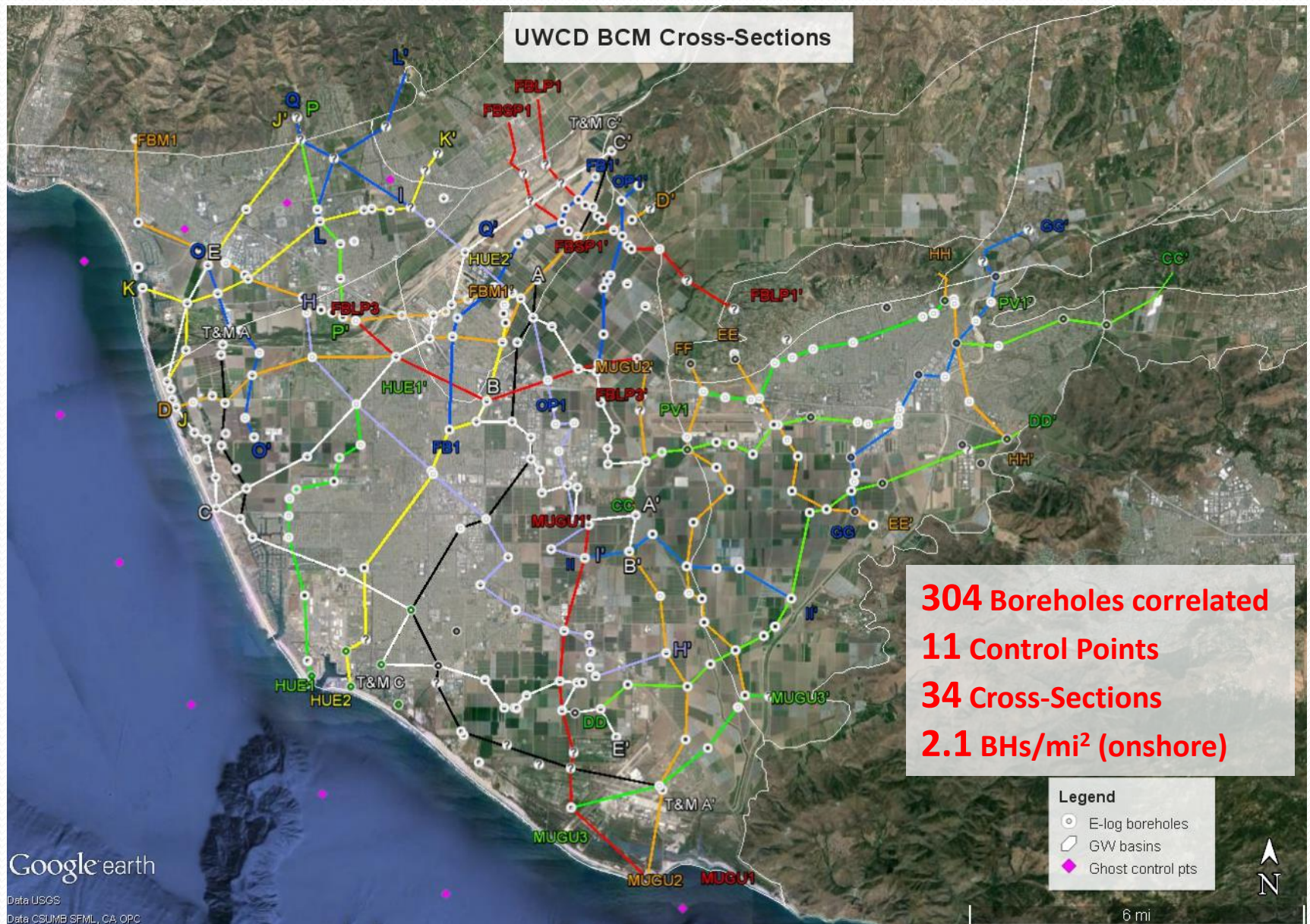


# UWCD E-Log Archive (RockWorks)



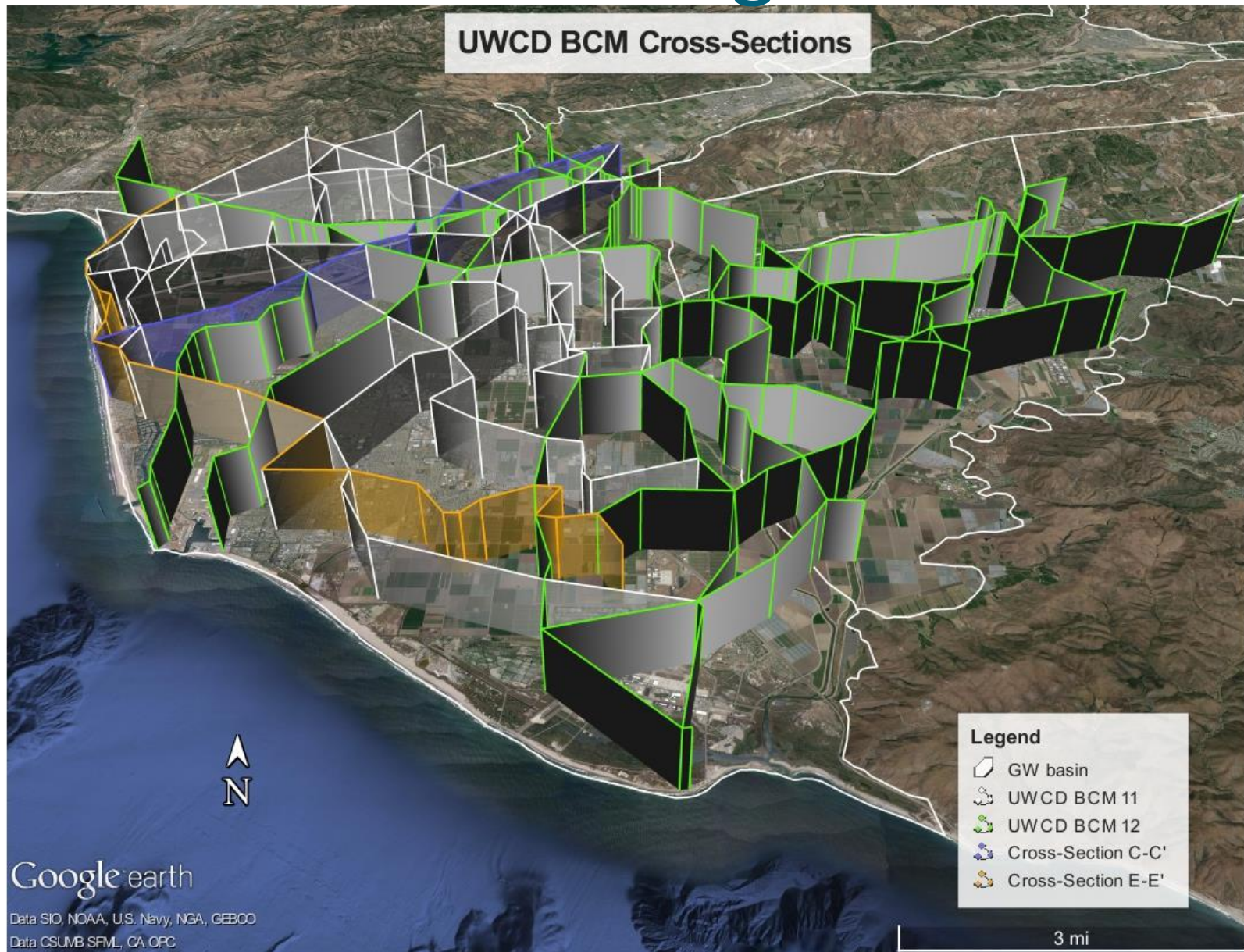


# BCM 12 Section Lines





# BCM 12 “Fence Diagrams”



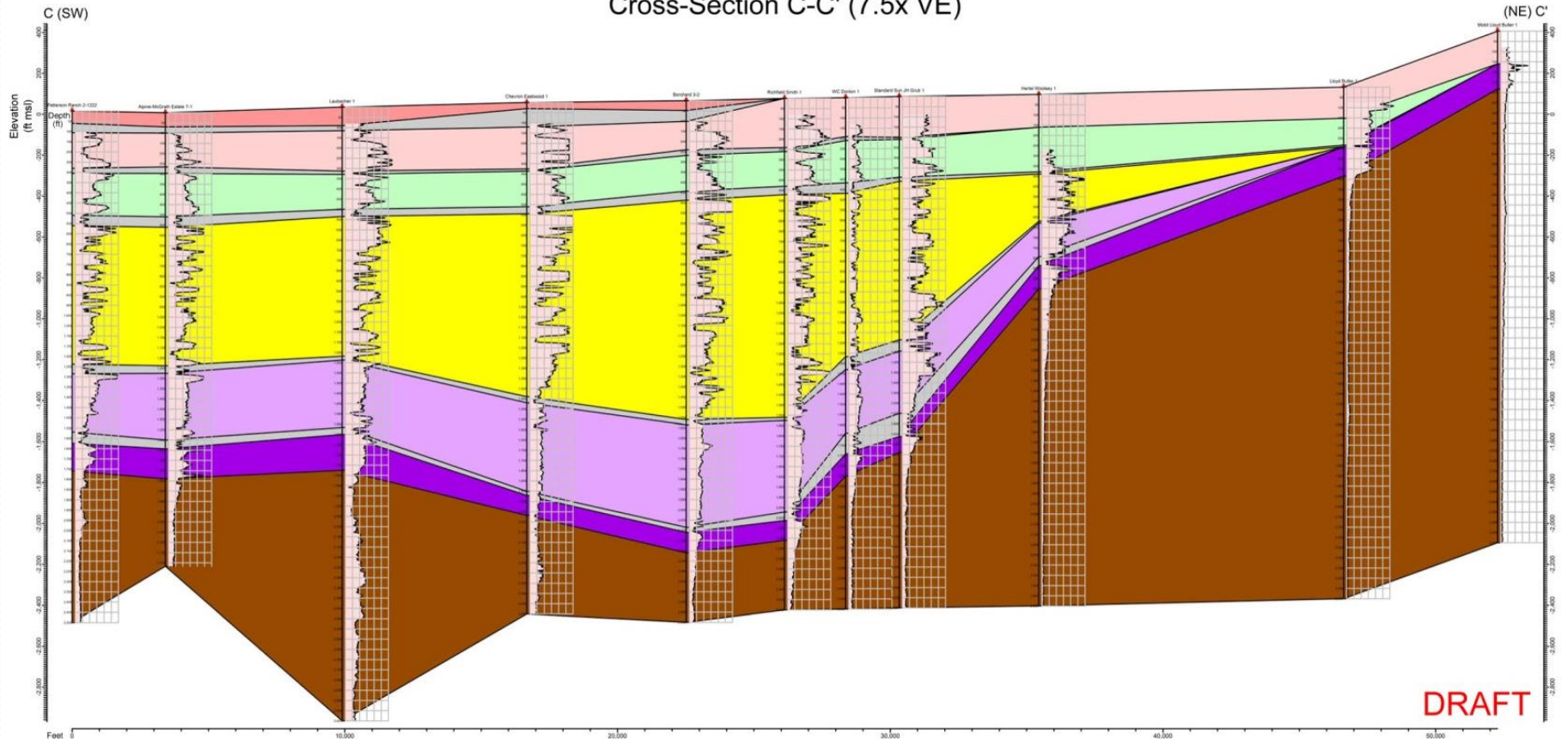
# Pick aquifers and aquitards

Hollywood  
Beach Area

South  
Mountain

Stratigraphy	
Aquitard	
Semi Perched Aquifer	
Oxnard Aquifer	
Mugu Aquifer	
Hueneme Aquifer	
Fox Canyon Aquifer - main (upper)	
Fox Canyon Aquifer - basal	
Santa Barbara and/or other Formation	
Grimes Canyon Aquifer	
Volcanics	

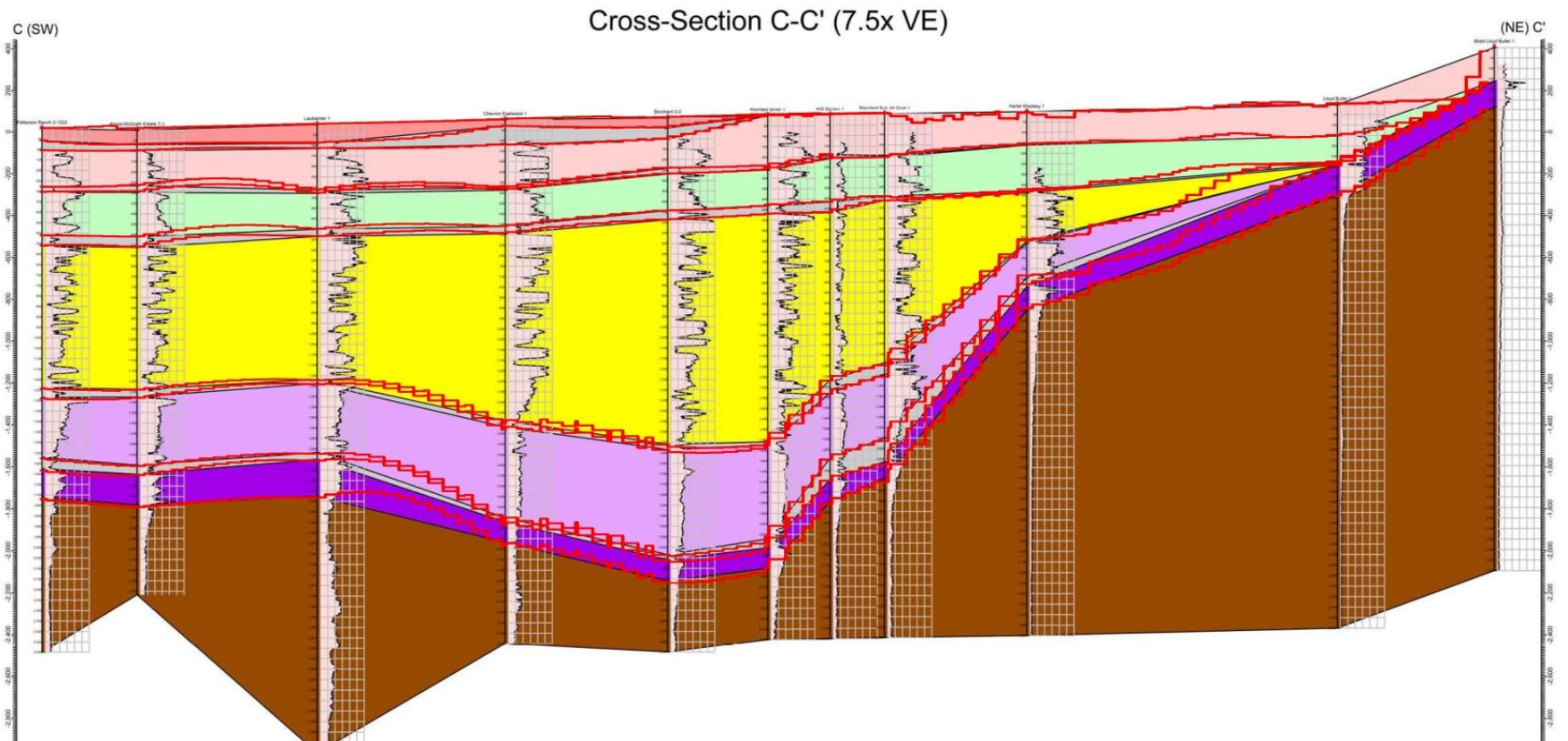
Cross-Section C-C' (7.5x VE)





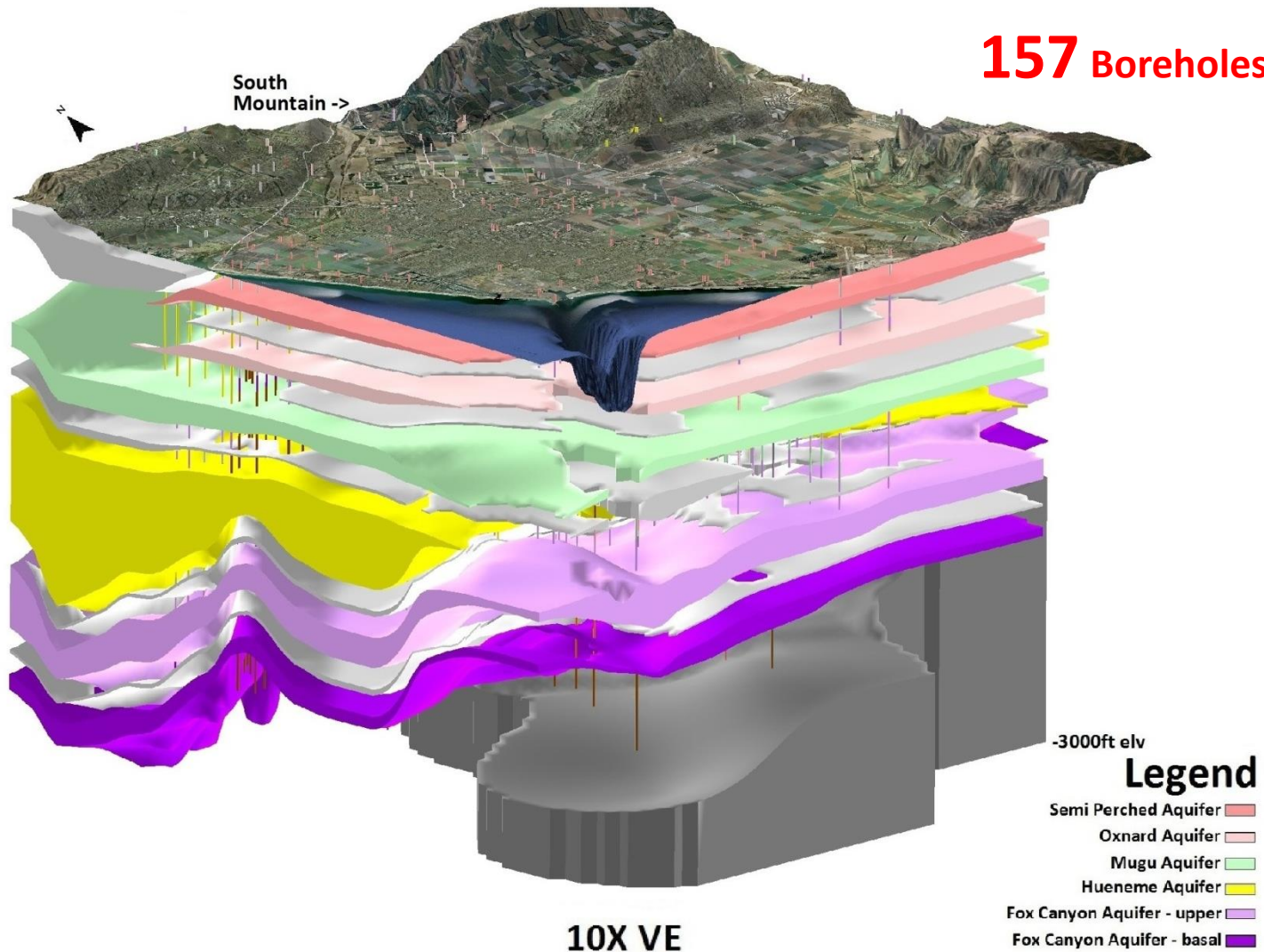
# Generate surfaces, fit to grid cells

Stratigraphy	
Aquitard	
Semi Perched Aquifer	
Oxnard Aquifer	
Mugu Aquifer	
Hueneme Aquifer	
Fox Canyon Aquifer - main (upper)	
Fox Canyon Aquifer - basal	
Santa Barbara and/or other Formation	
Grimes Canyon Aquifer	
Volcanics	



## UWCD: Conceptual Model BCM 11

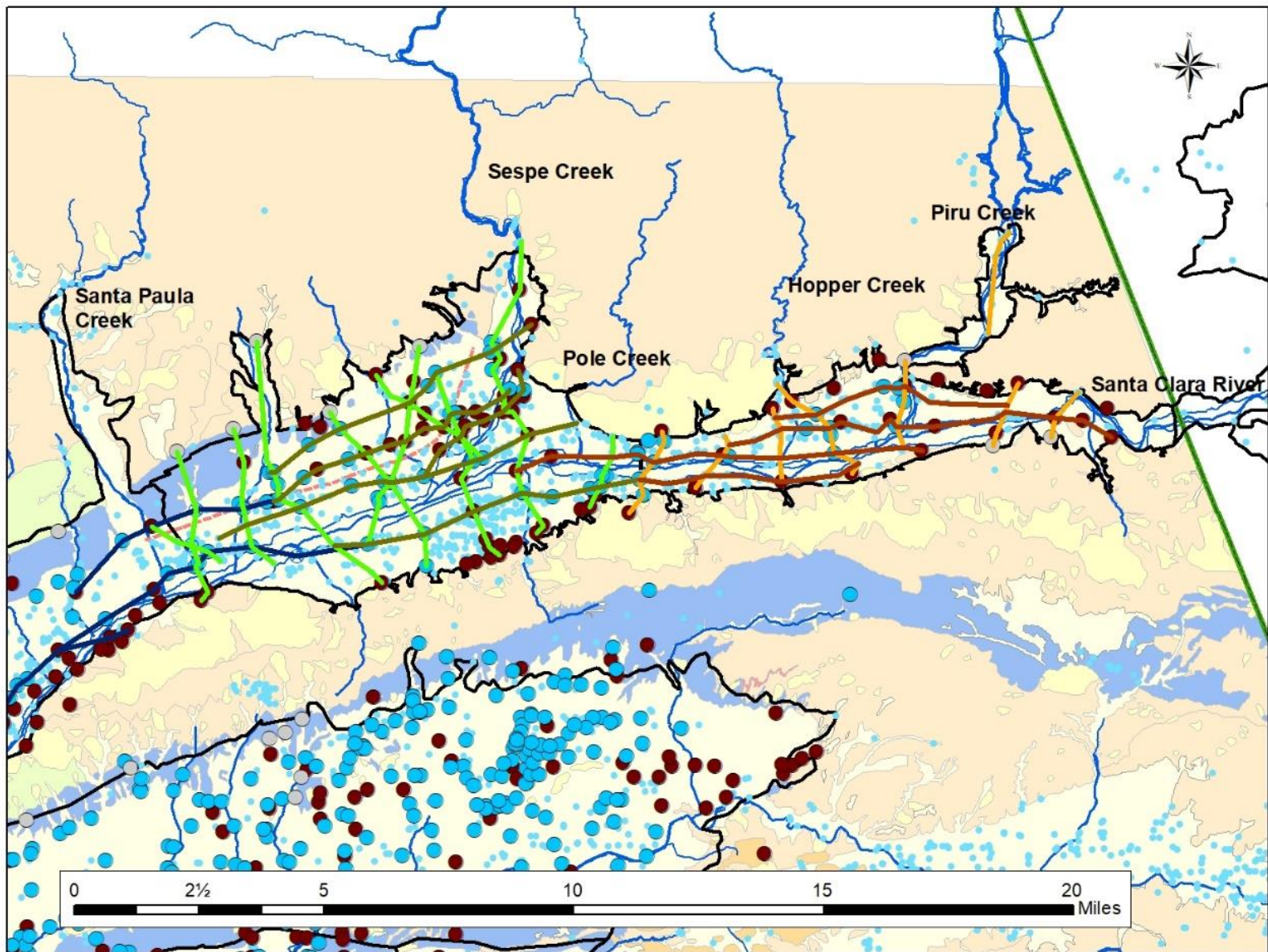
**157** Boreholes

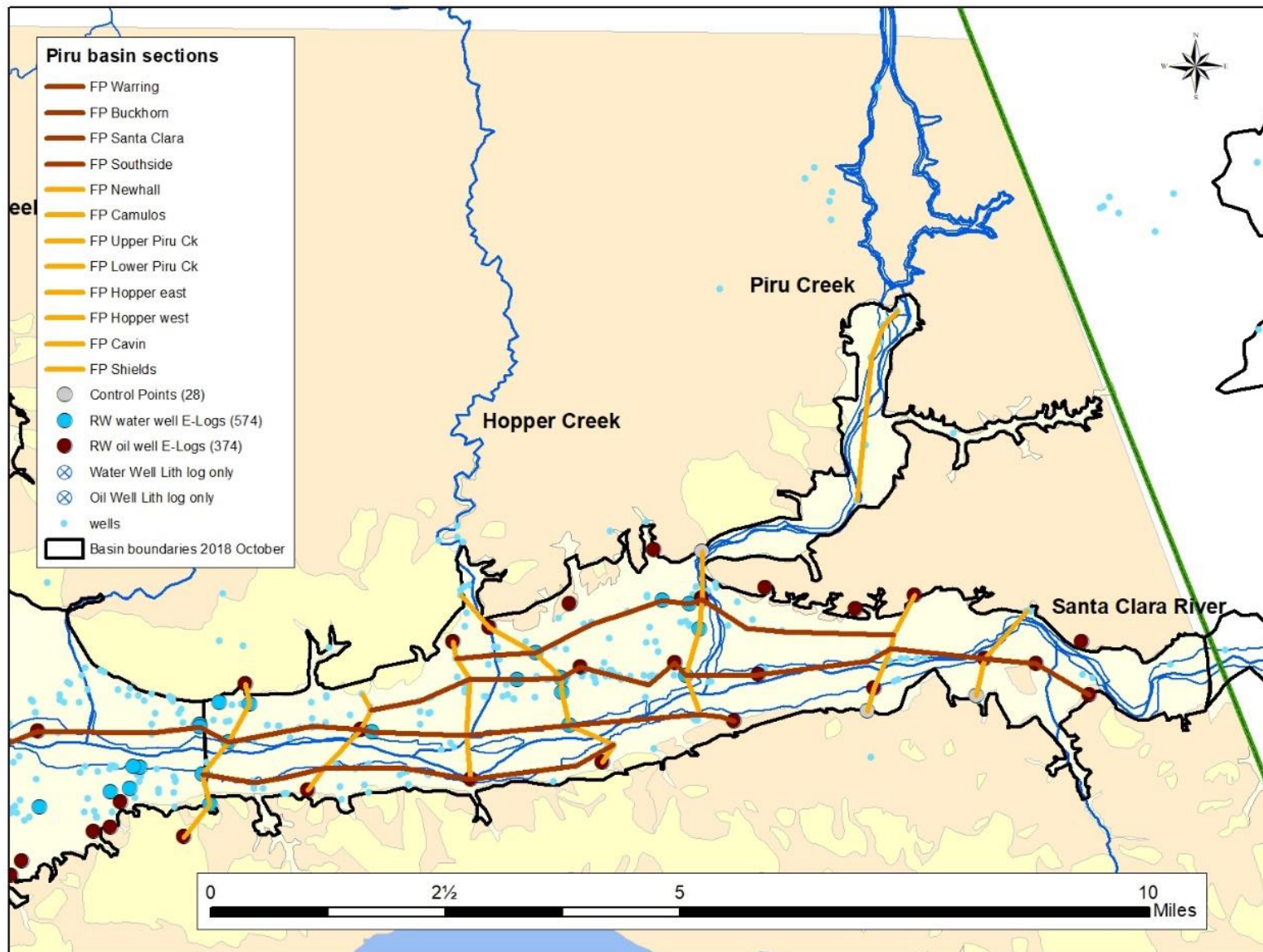


# Model Development Process

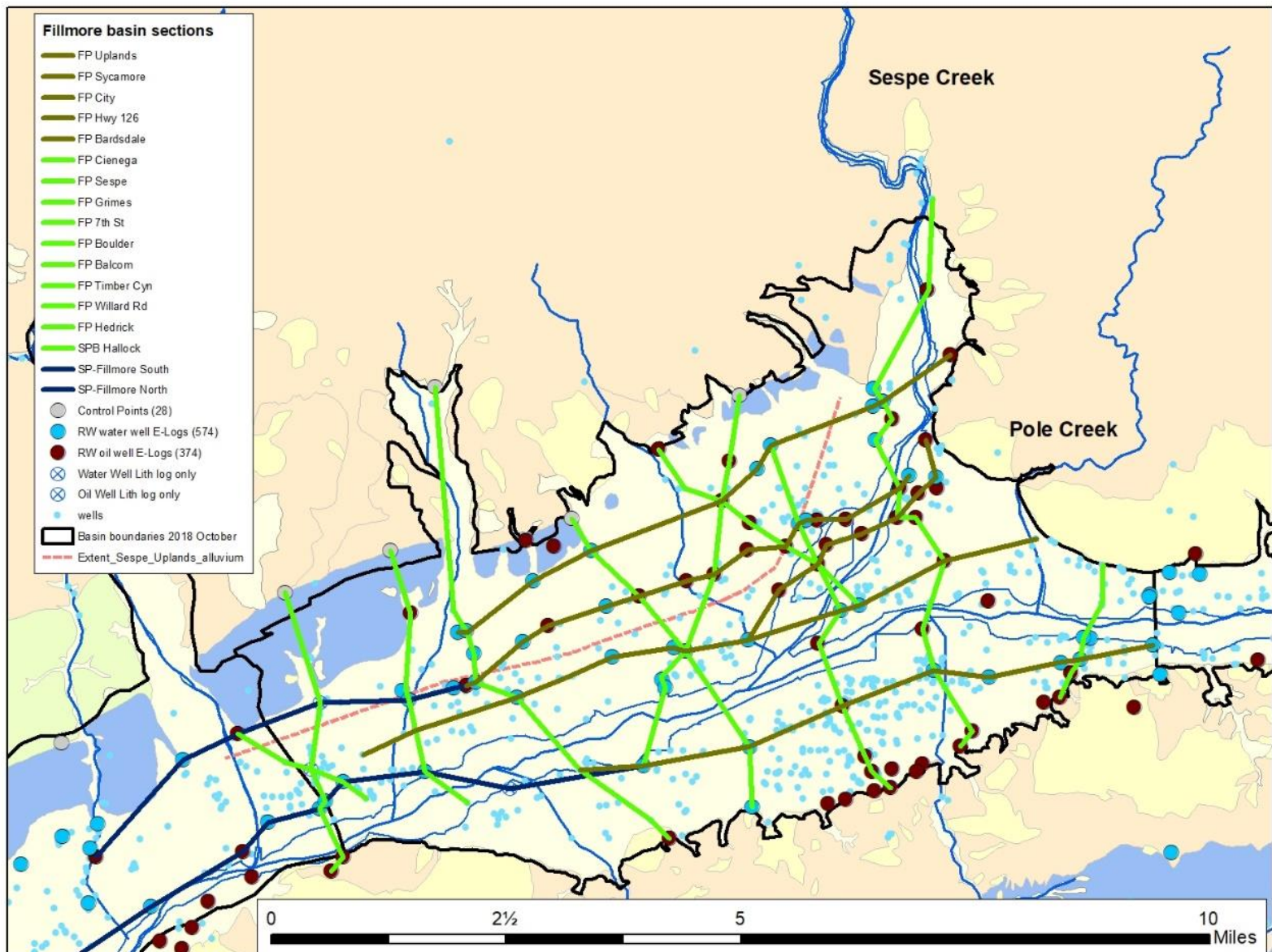
- Understand hydrogeologic conditions
- Develop conceptual model for basin framework and SW-GW interactions
- Model construction
  - Discretization
  - Input parameters
  - Boundaries/stresses
  - Select software packages
- Model calibration and validation
- Publish model documentation
- Use model (historical or assumed future conditions)











# Questions?