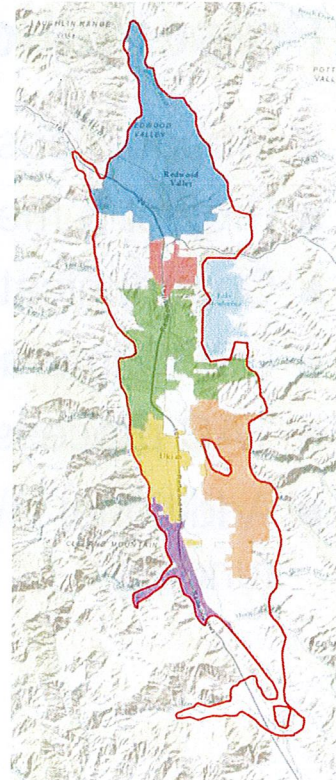


PHASE 2 OF UKIAH VALLEY BASIN GROUNDWATER SUSTAINABILITY PLAN DEVELOPMENT



UVBGSA meeting, Ukiah, September 13, 2018



Meeting Agenda

Ukiah Valley Basin Groundwater Sustainability Agency

1:30 P.M. - Thursday, September 13, 2018 Mendocino County Board of Supervisors
Chambers, 501 Low Gap Road, Room 1070, CA 95482

Groundwater Sustainability Plan: kickoff meeting:

1. Introductions
2. Presentation of the project team
3. Overall Project Schedule, including near term activities/deliverables
4. Overall meeting schedule
5. Communication plan
 - a. DWR
 - b. Draft of Communication Plan outline including communication with GSA, with TAC, with stakeholders, with public
6. TAC review: regular process and process for Phase 1 reports
7. Interaction with USGS effort
8. Potential for additional DWR funding through Technical Support Services (TSS)
9. Next meeting

Presentation Overview

- Introductions
- Project & meeting schedule
- Communication Plan
- USGS interaction
- TAC process
- Additional DWR funding



3

Our Team

LARRY
WALKER



ASSOCIATES

GEI



Consultants



SCIConsultingGroup

4

Project Team



5

Keys to success

Our GOAL: GSP accepted by DWR and local stakeholders

- Effective communication and community involvement
- On time, effective, and successful deliverables
- Tools (database, models) useful into the future
- Effective coordination with USGS modeling effort



6

Communication Plan

- Develop initial Project and Meetings Schedule
 - Meeting(s) with GSA
 - Set goals and desired outcomes
 - Develop Initial Message Points
 - Describe GSA decision making process
- Review Outreach efforts to date
 - Identify key stakeholders
 - Conduct interviews with identified stakeholders



7

Communication Plan

- Identify special work groups
- Refine Message Points for stakeholder involvement and public outreach
- Refine Meetings Schedule
- Develop Public Outreach Element
 - Website
 - Community meetings
 - Digital Communications
 - Media outreach activities
- Evaluation and Assessment Element



8

Communication Plan: Key Stakeholders

Groundwater Sustainability Agency (GSA) Board of Directors

County of Mendocino	Carre Brown
City of Ukiah	Douglas F. Crane
Russian River Flood Control	Alfred White
Upper Russian River Water Agency	Jerry Cardoza
Tribal Seat	Brandi Brown
Agricultural Seat	Zachary Robinson

Technical Advisory Committee (TAC) Members

County of Mendocino
City of Ukiah
Russian River Flood Control
Upper Russian River Water Agency
Tribal Representative
Agriculture Representative

Local Stakeholders

Sonoma County Water Agency
Mendocino County Resource
Conservation District
California Land Stewardship
Institute
Domestic Well Owners

9

Communication Plan: Local Key Stakeholders

Private Water Companies:

City of 10,000 Buddhas
Rogina Water Company
Yokayo Water Systems

Public Water Systems:

Upper Russian River Water Agency
Redwood Valley County Water District
Millview County Water District
Willow County Water District
Calpella County Water District

Ukiah Valley Basin Residents

Public at-large; Citizen Groups
Disadvantaged Communities in UVB

Non-governmental Organizations

Environmental/Environmental Justice/Other

California Native American Tribes

Redwood Valley Rancheria
Coyote Valley Reservation
Pinoleville Pomo Nation
Potter Valley Rancheria
Guidiville Rancheria
Hopland Reservation

Agriculture

Mendocino County Farm Bureau
Mendocino County Wine Growers
Association
Pears
Cannabis
Other agricultural landowners

Inland Water and Power Commission

10

Communication Plan: State and Federal Stakeholders

State

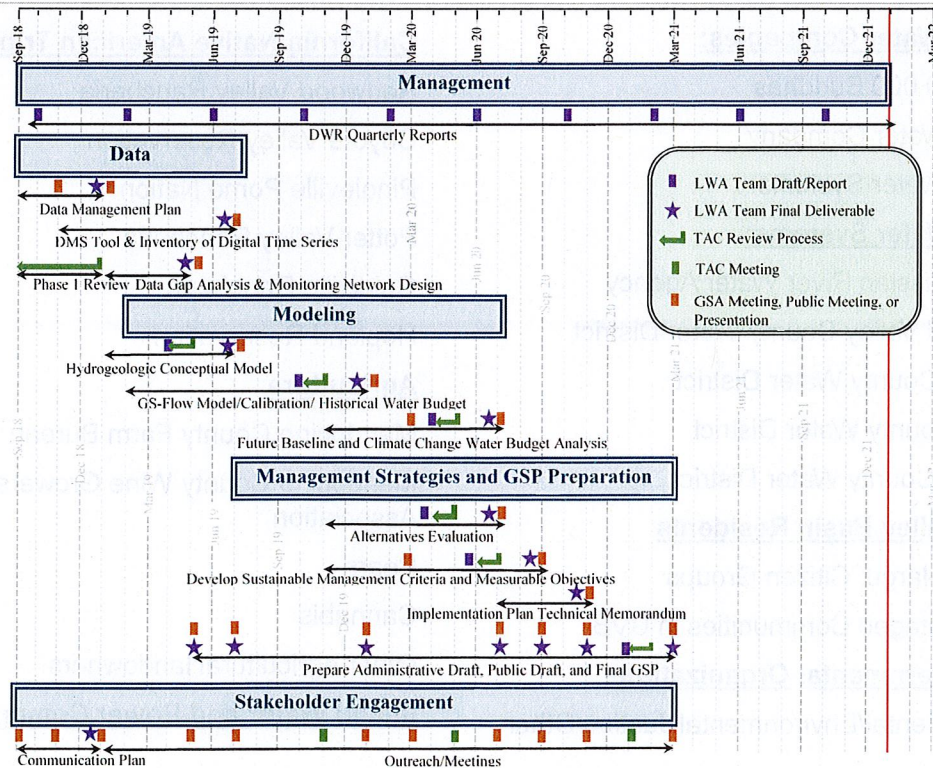
UC Davis Cooperative Extension
 Department of Water Resources (DWR)
 North Coast Regional Water Quality Control Board
 California Department of Fish and Wildlife (CDFW)

Federal

US Army Corps of Engineers
 US Fish and Wildlife Service (USFWS)
 NOAA Fisheries
 Forest Service

11

Project schedule



12

Important Dates and Deliverables

UVBGSA Important Dates for Deliverables



Technical Advisory Committee Deliverable Schedule

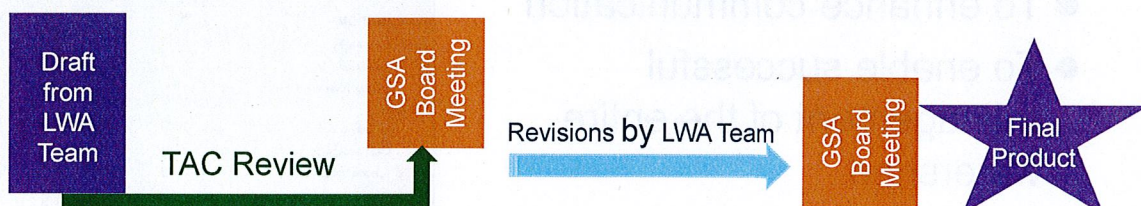


13

TAC process

■ Typical regular process

- Product (Tech Memo, Report, GSP Chapter) sent to TAC 1 month prior to upcoming meeting for review (Month 0).
- Comments received from the TAC in the upcoming meeting, presentation conducted if necessary (Month 1).
- Comments implemented and final product presented at the next meeting with GSA (Month 3).



14

TAC process

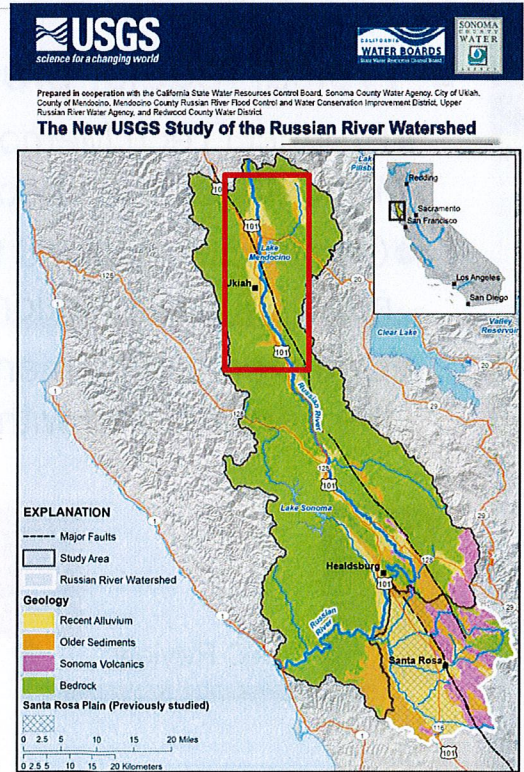
■ Review of Phase 1 reports

Document Title	Related GSP Deliverable	Total Length	Sections for Review	Most Important Sections
Initial Groundwater Sustainability Plan Hydrogeologic Conceptual Model (IHCM)	HCM	20 Pages (354 Pages with Appendices)	Sections 1-8 (20 pages)	Sections 2 - 8
Initial Groundwater Sustainability Plan Preliminary Water Budget Study	Water Budget/Modeling	18 Pages (95 with Appendices)	Sections 1-6 (18 pages)	Sections 1.2 & 6
Preliminary Sustainable Management Criteria	Sustainable Management Criteria	18 Pages	Section 2 & 3 (5 pages)	Sections 2.7 & 3.1.6
Data Gap Analysis	DMS/Data Gap	13 Pages (38 with Appendices)	Section 1-6 (10 pages)	Sections 2, 3, and 6; and probably 4 & 5

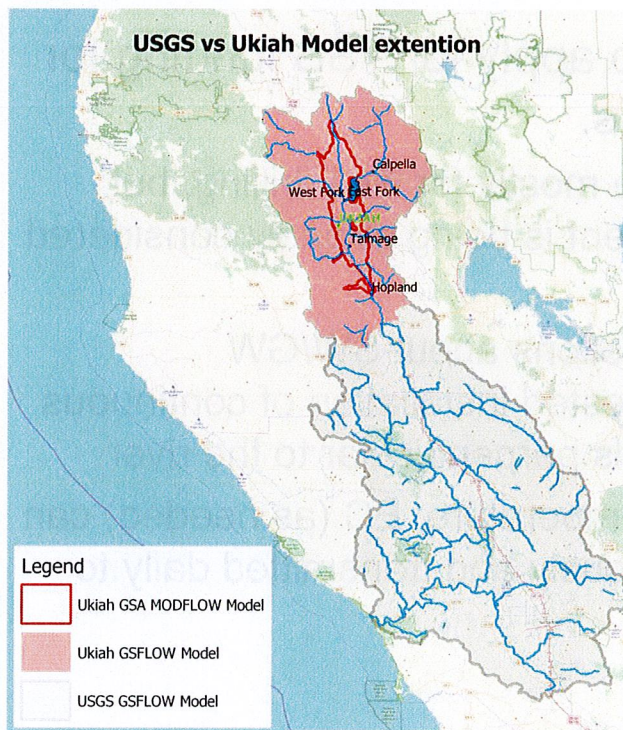
15

Coordination with neighboring basins and ongoing efforts

- Develop tools that can easily be integrated and shared with neighboring basins
- Provide clear assumptions and documentation of data, models & scenarios
 - To enhance communication
 - To enable successful management of the entire watershed



Models: existing and future



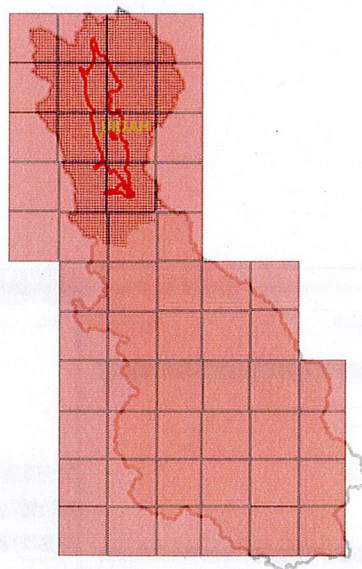
1. Ukiah Valley Groundwater Basin groundwater model: existing MODFLOW model will be modified to be easily incorporated into the larger USGS effort
2. Ukiah watershed: GSFLOW model to be developed
3. Russian River watershed: GSFLOW model under development by USGS

MODFLOW: groundwater flow model

GSFLOW: PRMS+MODFLOW, used to represent surface water/groundwater interactions

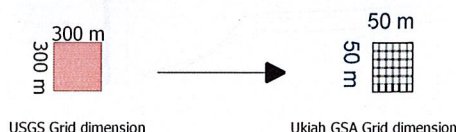
17

How will the models interact?



Ukiah Valley model → much finer resolution to better represent local knowledge

The two models will align → easy exchange of information

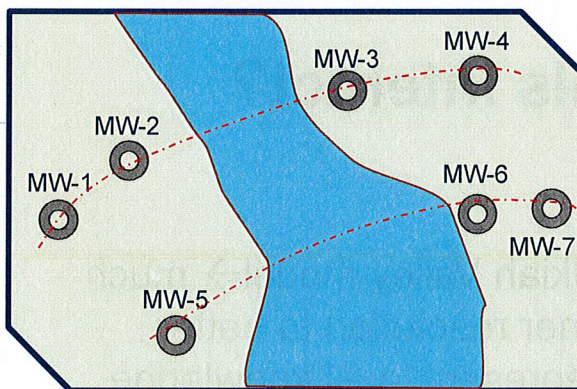


18

DWR TSS

- Working with DWR to apply for TSS funding for Pressure Transducers.
 - TSS funding available mostly for well drilling, but installation of equipment is being strongly considered by DWR
 - To better answer questions about SW/GW interactions, we suggested installation of continuous measurements in wells perpendicular to the river
 - Groundwater level, temperature, EC (as needed) can be measured continuously and transmitted daily to website

19



Suggested set up



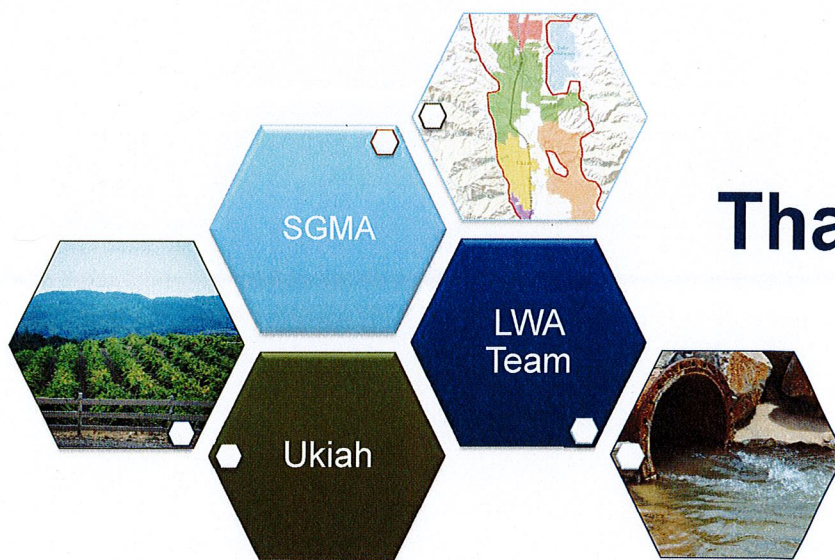
20

Next steps

- Working with TAC on phase 1 review
- Draft Data Management Plan
- Draft communication plan
 - Schedule and content of meetings
 - Stakeholder identification
- Agreement with USGS on sharing data and information
- Develop application for Technical Support Services

21

Questions?



Thank you!

22

