

Tule Subbasin
Sustainable Groundwater Management Act
GSAs Technical Advisory Committee Meeting

July 18, 2018

LTRID Office Conference Room
1300 (1:00 p.m.)

Agenda

1. Public Comment
2. Additions or Deletions to the Agenda
3. Notes of the 18 June 2018 MOU Representatives Meeting (attached)
4. Coordination Agreement
 - Status of Draft Revisions
5. Hydrogeologist
 - Model Development Status
 - Preparation of Basin Setting and Monitoring Networks for GSPs
 - Meetings with Other Subbasins
 - Thomas Harder & Co. Invoice No. 12, Groundwater Flow Model Development (attached)
6. Groundwater Sustainable Plans
 - Sustainable Management Criteria Discussion
7. Subbasin Grant
 - Tulare County Grant Status
 - Subbasin Prop 1 Grant Status
8. Budget, Financial Report & Funding Status
 - WY 2018 Budget Comparison
 - Financial Report
9. Next Meeting
 - Proposed Next GSA Technical Advisory Committee Meeting 15 August 2018 @ 1400

Tule Subbasin

Minutes of the Sustainable Groundwater Management Act
GSA Technical Advisory Committee Meeting
June 18, 2018

The Tule Sub-Basin GSA Technical Advisory Committee Representatives, met on June 18, 2018 in the conference room of Lower Tule River Irrigation District in Tipton, CA. The meeting was called to order by Mr. Schafer at 1:05 pm with the following in attendance:

Alpaugh GSA

Bruce Howarth

Coordinator

R. L. Schafer

Delano Earlimart Irrigation District GSA

Dale Brogan, Representative

Secretary

David DeGroot

Eastern Tule JPA GSA

Steve Etchegaray, Representative

Michael Reed, Representative

Steve Drumright, Representative

Steve Dalke, Representative

Sean Geivet, Representative

Attorney

James Koontz, Peltzer & Richardson

Consultant

Thomas Harder, Thomas Harder & Co.

Lower Tule River Irrigation District GSA

Mike Faria, Representative

Vincent Sola, Alt. Representative

Eric Limas, Alt. Representative

Dan Vink, Alt. Representative

Department of Water Resources

Mike McKenzie, Representative

Others Present

Natasha Raychman

Kathy Wood Mclaughlin

Mitch Partovi

Carole Combs

Brandon Eisen

Dee Jaspar

Tim Gobler

Don Wright

Lee Waddle

Armando Leal

Mary Schafer

Pixley Irrigation District GSA

Mike Pitigliano, Representative

Eric Limas, Alt. Representative

Dan Vink, Alt. Representative

Tri-County GSA

Mark Grewal, Representative

Deanna Jackson, Representative

Mr. Schafer provided a copy of an Agenda for the meeting and no additions or deletions were requested.

Public Comment:

No public comments were provided.

Minutes:

The minutes of the Tule Subbasin GSA Technical Advisory Committee meeting of 16 May 2018, by motion of Representative Bruce Howarth, seconded by Representative Mike Pitigliano, and unanimously carried, were approved.

Coordination Agreement:

The attorneys representing the GSAs met and agreed to review and provide comments to the Draft Sustainable Groundwater Management Act Coordination Agreement. After each attorney has provided comments, Attorney Jim Koontz will compile the comments and provide a summary of the outstanding issues to be discussed.

Hydrogeologist:

Hydrogeologist Thomas Harder stated the groundwater flow model continues to be calibrated for evaluation of initial scenarios for the subbasin to determine existing overdraft. Upon completion this summer, the groundwater flow model will be presented to the GSA representatives and each GSA will be requested to provide future scenarios for the GSA to achieve sustainability as analyzed by the flow model.

Preparation of the Basin Setting and Monitoring Networks sections for the Subbasin, under preparation by Mr. Harder, are underway and a draft for use by the GSA in preparation of their GSPs is anticipated during August/September 2018. Each of these drafts can be used as templates for each GSA to include within their GSP.

Mr. Harder stated that he continues discussions with the adjacent Subbasin hydrogeologists to coordinate data along the boundary of the Tule Subbasin.

A copy of the Thomas Harder and Company Groundwater Flow Model Development Invoice No. 11 was provided to the representatives, which was accepted for payment.

Groundwater Sustainability Plans (GSPs)

Thomas Harder provided a presentation summarizing the Sustainable Management Criteria as outlined in the Department of Water Resources Best Management Practice. The overview included discussion to establish a subbasin sustainability goal that is acceptable to each GSA. After much discussion, the GSA representatives agreed to continue evaluating the sustainability goal, the minimum thresholds, and the measureable objectives to be set by each GSA and coordinated among the entire subbasin.

Tule Subbasin Grants

David De Groot reported that the final report to conclude the deliverables required under the Tulare County Grant agreement continues in coordination with DWR and County staff, anticipated final submittal for reimbursement is expected during summer 2018.

David De Groot also stated that the Proposition 1 Grant application was awarded for funding for \$1.5 million which includes four principle projects; the Tule Subbasin Groundwater Flow Model, development of a Groundwater Monitoring Network plan of shallow monitoring wells, development of a Land Subsidence Monitoring (benchmark) network with installation of extensometers, and development of LandSAT METRIC data for years 1991 – 2016 for the entire Tule Subbasin. The final scope of work, deliverables, schedule, and budgets have been submitted to DWR to be included in the final contract, expected to be finalized during Summer 2018.

Budget, Financial Report & Funding Status

The 2018 fiscal year budget comparison for the Tule Subbasin SGMA MOU Group as of 31 April 2018 was presented. Expenditures for the period, October 1, 2017 through April 30, 2018 were \$340,095.78 and 54.3% of the 2018 fiscal year budget of \$626,500.

A copy of the June 16, 2018 Financial Report was distributed to the representatives. The Report identified a May 16, 2018 cash balance of \$66,144.49, cash receipts of \$110,280.63 and cash disbursements of \$60,405.28 during May 2018, leaving a cash balance as of June 16, 2018 of \$116,019.84, with unpaid assessments of \$0.00 and outstanding bills of \$37,283.59, or a net balance as of May 16, 2018 of \$78,736.25.

After detailed review of the financial statement and bill presented for payment, Representative Bruce Howarth moved to accept the financial statement and pay the bills presented. The motion was seconded by Representative Mike Pitigliano and unanimously carried.

Next Meeting

The next GSA Technical Advisory Committee meeting is set for Wednesday July 18, 2018 at 2:00 pm in the conference room of the Lower Tule River Irrigation District office.

Adjournment

The Technical Advisory Committee meeting was adjourned at 3:53 p.m.

Respectfully Submitted:

David De Groot - Secretary



July 2, 2018

DCTRA: Tule Subbasin MOU Group
Attn: Mr. Eric Limas
357 E. Olive Avenue
Tipton, California 93272

Re: Invoice No. 12 for Hydrogeological Consulting Services to Develop a Groundwater Flow Model for the Tule Subbasin MOU Group

Dear Mr. Limas,

Attached is Invoice No. 12 for hydrogeological consulting services to develop a groundwater flow model of the Tule Subbasin in support of complying with the Sustainable Groundwater Management Act (SGMA). This work is being conducted per my Consulting Agreement with the Tule Subbasin MOU Group dated 16-Nov-16 and our scope of work and cost estimate dated 28-Jun-17.

The total balance due for this billing period is **\$24,356.75** as shown in the attached Table 1.

I appreciate the opportunity to provide consulting services to the Tule Subbasin MOU Group. If you have any questions, don't hesitate to contact me at (714) 779-3875.

Sincerely,

Thomas Harder, P.G., C.HG.
Principal Hydrogeologist

cc: R.L. Schafer

Thomas Harder & Co.
1260 N. Hancock, Suite 109
Anaheim, California 92807
(714) 779-3875

Invoice No. 12
 Hydrogeological Services - Groundwater Flow Model Development
 Re: Tule Subbasin MOU Group

Terms: Per Contract Dated 16-Nov-16 and Scope of Work dated 28-Jun-17

Billing Period: 30-Apr-18 to 1-Jun-18

Task Description	Principal Hydro-geologist \$120/hr				Staff Hydro-geologist \$100/hr		Graphics \$85/hr		Clerical \$65/hr		Total Labor this Invoice	Expenses this Invoice	Total Cost this Invoice	Budget	Spent to Date	Balance
	Hydro-geologist \$120/hr	Hydro-geologist \$120/hr	Hydro-geologist \$100/hr	Hydro-geologist \$100/hr	Graphics \$85/hr	Clerical \$65/hr	Hydro-geologist \$100/hr	Hydro-geologist \$100/hr	Graphics \$85/hr	Clerical \$65/hr						
1 Supplemental Data Acquisition											\$0.00		\$0.00	\$ 10,160	\$10,650.00	(\$490.00)
2 Model Design and Construction											\$0.00		\$0.00	\$ 50,940	\$50,930.00	\$10.00
3 Input File Development											\$0.00		\$0.00	\$ 88,160	\$88,155.00	\$5.00
4 Model Calibration/Sensitivity											\$0.00		\$0.00	\$ 50,480	\$52,420.00	(\$1,940.00)
5 Analysis of Sustainable Yield Using the Model	23	27	6.25								\$8,005.00		\$8,005.00	\$ 46,080	\$40,785.00	\$5,295.00
6 Model Report	4	38.75	1	6.75							\$6,043.75		\$6,043.75	\$ 45,200	\$16,083.75	\$29,116.25
7 Project Management and Meetings	16.25		0.5								\$2,975.00	\$218.00	\$3,193.00	\$ 36,600	\$38,043.74	(\$1,443.74)
Budget Amendment No. 1																
GSA Specific Water Budgets											\$0.00		\$0.00	\$ 25,950	\$26,660.00	(\$710.00)
Budget Amendment No. 2																
Support for Coordination Agreement and Grant Funding Application											\$0.00		\$0.00	\$ 10,000	\$29,105.00	(\$19,105.00)
Budget Amendment No. 3																
Prepare a Subbasin-Wide Monitoring Plan	10.75	39	5								\$7,115.00		\$7,115.00	\$ 34,560	\$10,460.00	\$24,100.00

Budget Amendment No. 4 (Approved 5/16/18)

Task Description	Principal Hydro-geologist \$180/hr	Project Hydro-geologist \$120/hr	Staff Hydro-geologist \$100/hr	Graphics \$85/hr	Clerical \$65/hr	Total Labor this Invoice	Expenses this Invoice ¹	Total Cost this Invoice	Budget	Spent to Date	Balance	
Additional support for coordination												
Agreement (Budget Party Addresses Out-of-Scope Work Billed to Amendment 2)	7.75					\$1,395.00		\$1,395.00	\$ 28,945	\$6,235.00	\$22,710.00	
Budget Amendment No. 5 (Approved 5/16/18)												
Prepare Standard Basin Setting Section for Each GSP						\$0.00		\$0.00	\$ 16,710	\$0.00	\$16,710.00	
Budget Amendment No. 6 (Approved 5/16/18)												
Prepare Standard Monitoring Networks Section for Each GSP						\$0.00		\$0.00	\$ 6,340	\$0.00	\$6,340.00	
Total This Invoice												
										\$24,138.75	\$218.00	\$24,356.75
Total Authorized Budget										\$ 446,385	\$ 3,740	\$ 450,125
Total Previously Billed										\$ 337,055.00	\$ 1,880.74	\$ 338,935.74
Total Billed to Date										\$ 361,193.75	\$ 2,098.74	\$ 363,292.49
Remaining Balance										\$ 85,191.25	\$ 1,641.26	\$ 86,832.51

