

Table 1 - Summary of Monitoring Network Proposed Implementation Budget - Updated February 16, 2022

Monitoring Component	Description	Category Funding & McGinley Task	Updated Budget Estimate (includes expended to date)	Time for Completion	Notes
Water Level Network	Surveying for vertical and elevation accuracy	D 6.3	\$10,000	Q2	GSP Planning, additional surveying for elevations, if needed
	Higher accuracy water level sounder needed by SVGMD	D 6.3		Q1	Higher accuracy sounder for Jay
	Monitoring Guidance Document - Tech Memo*	D 6.1		Q3	Measurement QC Protocols and SOPs
Flow Meters	Engineering, Bidding, Installation Inspections of 20 new flow meters	D 6.3	\$50,000	Q1-Q2	Completion of Meter Replacement Program under Task 6
	Monitoring Guidance Document - Tech Memo*	D 6.1		Q3	Measurement QC Protocols and SOPs
Subsidence Network	Installation of 4 monuments, and surveying for baseline elevation - site selections, field verification and staking, surveying services	D 6.2	\$38,800	Q2	GSP Planning, Specific Locations to be Determined, Property Owner Agreements, including QC Benchmark in Bedrock.
	Monitoring Guidance Document - Tech Memo*	D 6.1		Q3	Measurement QC Protocols and SOPs
GDE Network	Select locations for 4 new shallow monitoring wells at locations with access and within proximity to areas of interpreted GDEs.	D 6.4	\$29,600	Q1-Q2	GSP Planning, Sites and existing wells need to be located and physically inspected for suitability.
	Permitting for access agreements	D 6.5		Q2	Assuming on private land, existing wells
	Equip with transducer for continuous water level recording - high quality vented loggers	D 6.5		Q3	Equipment may include telemetry
	Equipment - need field laptop and connection equipment (blue tooth) for download of data by SVGMD	D 6.5		Q3	Equipment possibly needed for Jay to download
	Monitoring Guidance Document - Tech Memo*	D 6.1		Q3	Measurement QC Protocols and SOPs
Monitoring Network Guidance Document with Protocols		D 6.1	included in above*	Q3	
Estimated Monitoring Network Installation Cost			\$128,400		March 2021 Budget Estimate \$125,160.00

Table 2 - Summary of Management Actions Implementation Proposed Budget Allocation - Updated February 16, 2022

Management Actions	Description	Category Funding	Budget Estimate	Schedule	Notes
GSP Planning and Category Expenditures to Date			\$24,000		
GSP 4.3.1 Irrigation Efficiency Improvements Reallocation and scope and budget to undertake a Pilot Program for LESA and LEPA irrigation systems	Research and Coordination, Preliminary Ranch Identification	D 7 - new	\$5,000	Feb	
	Pilot Program - Program Planning and Equipping Coordination	D 7 - new	\$5,000	March-April	
	Pilot Program - Tests for irrigation season 2022. Identify pivots with similar soils and historical yields - one remains under existing irrigation practices, one is retrofitted with pumping reduced by 10% (other percentages if additional pivots are converted).	D 7 - new	\$53,300	April	Assumes Ranch owner/operator to install all equipment - SVGMD to fund equipment cost, including replacement sprinkler head package, soil moisture sensors, flow meter, and gate valve for adjust flows for each pivot. Hoping there is sufficient budget to equip two pivots with new equipment, with one or two used as baseline (no changes except possible addition of flow meter). This cost estimate represent equipment purchase and coordination / bidding
	Inspections and measurements during pilot operations	D 7 - new	\$14,000	April - Aug	Not sure we will be able to get data for third cutting? Includes monthly updates to the Board
	Preliminary Report at end of second or third cutting	D 7 - new	\$8,000	Aug-Sept	Report to be provided in time for grant funding application (Sept 2022)
	Subtotal - task estimated costs			\$85,300	
Hydrologic Feasibility Evaluations (Preliminary)	GSP 4.3.3 Reoperation of Surface Water Supplies*	D 7	\$36,200	March - July	Little Last Chance Delivery or On-farm Storage Management Changes and Opporunties Review - under existing Frenchmans operations
		D 7 Optional	\$21,600	March - July	Frenchman Reservoir Management / Reoperation Preliminary Review
		D 7 - new		March - July	Lake Davis Water Preliminary Review
	GSP 4.3.4 Off-Stream Storage	D 7	included in above*	March - July	
	GSP 4.3.10 Groundwater Recharge/Managed Aquifer Recharge	D 7	\$16,000	March - August	Initial Feasibility Technial Review for GW Recharge Opporunties by drainage and stream enhancements, including Badenaugh Creek
	One Report addressing all three categories	D 7	\$18,000	August	Report to be provided in time for grant funding application (Sept 2022)
	Subtotal - task estimated costs			\$91,800	
Total Cat. D			\$201,100.00		Initial Budget \$204,500.00
					NOTE:
					<i>All work summarized above needs to be completed by Sept 31, 2022</i>