

Monthly Update

Plumas Demonstration Project, Soil Moisture Station Users Guide, Plumas Grant Projects & Budget Update

October 19, 2026

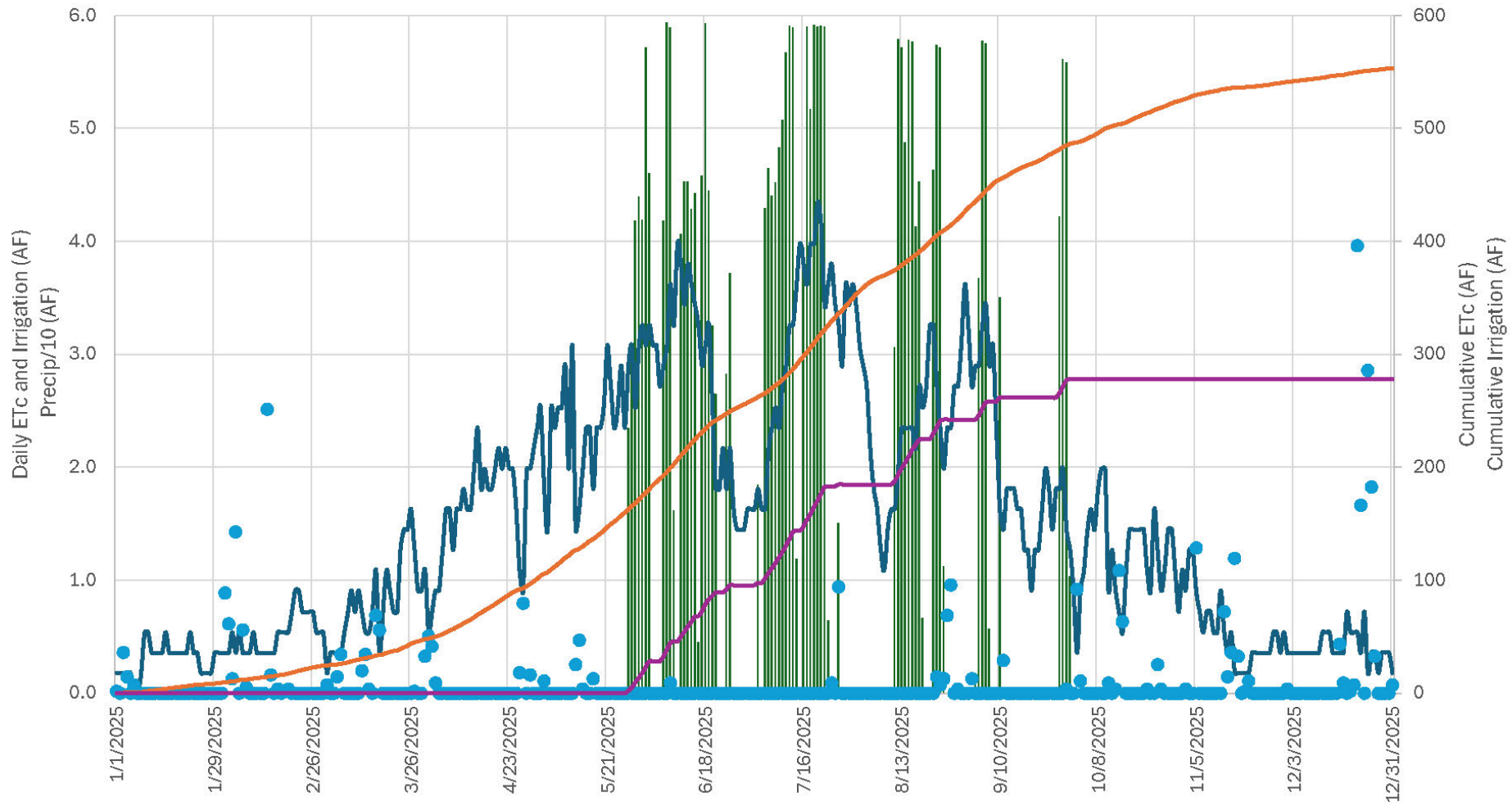


Plumas Irrigation Efficiency Demonstration Project Update

Project Goal and Monitoring Requirements

- Goal
 - Compare the efficiency of conventional MESA systems to LEPA/LESA high-efficiency sprinkler systems
- Study Interval
 - 2025 MESA
 - 2026 High-Efficiency
- Method
 - Monitoring will involve flow meter monitoring at pivot heads, and monitoring of soil moisture before and after system conversion using soil moisture systems. Combined, flow meters will provide information on water use during the study interval, and soil moisture monitoring will allow for comparison of moisture content and retention using LEPA and LESA systems relative to conventional MESA systems.
- Demonstration Locations
 - DS Ranch, Bar One, Roberti

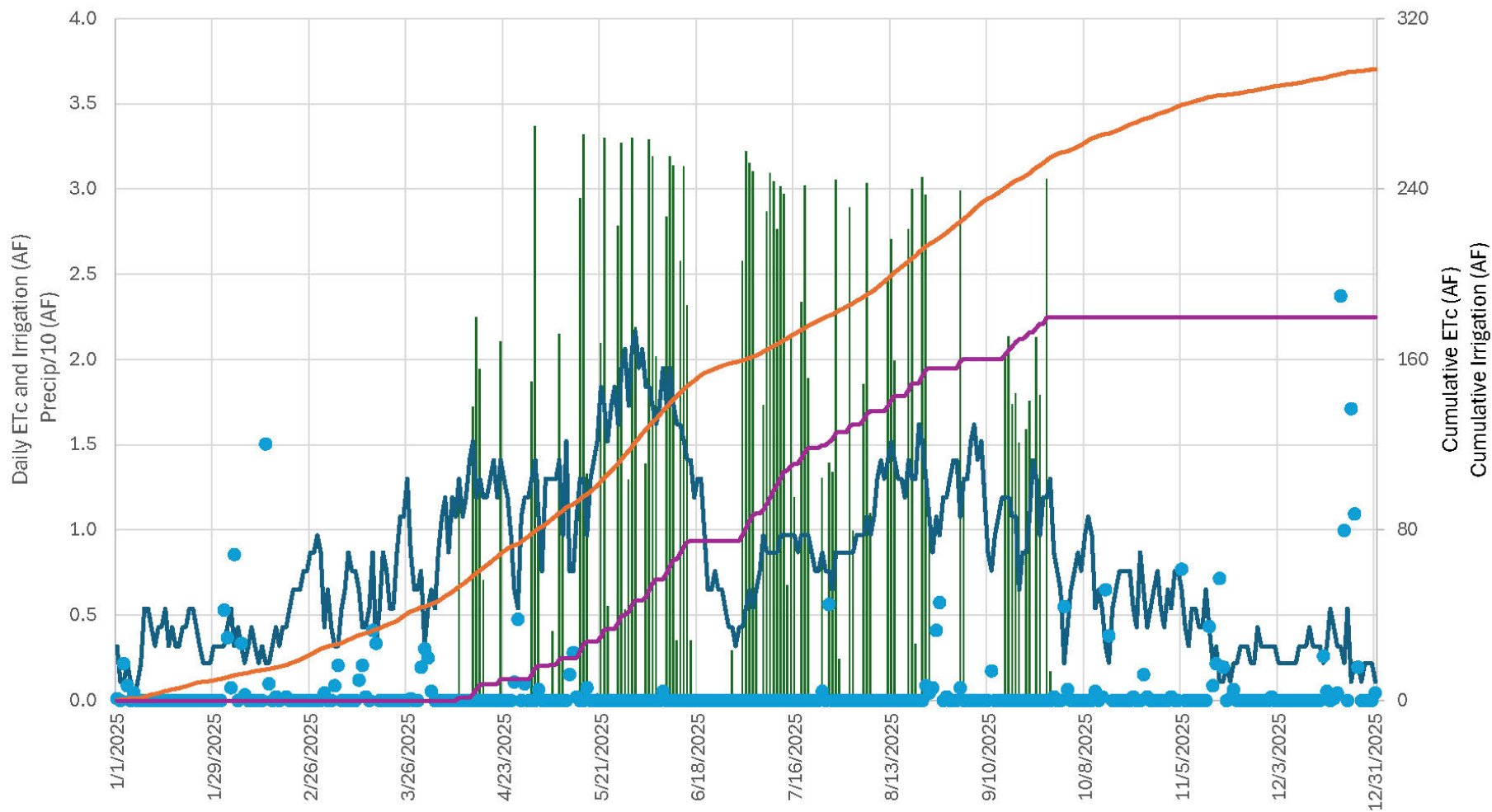
2025 Daily Measured Data DS Ranch Pivot 11 (217 ac)



10/19/2026

Irrigation (AF) Daily ETc (AF) Precip/10 (AF) Cumulative ETc (AF) Cumulative Irrig (AF)

2025 Measured Data Bar One Indian Pivot (130 ac)



10/19/2026

Irrigation (AF) Daily ETc (AF) Precip/10 (AF) Cumulative ETc (AF) Cumulative Irrig (AF)

Sierra Valley Soil Moisture Station Management Guide

Version: October 16, 2026



10/16/2026

10/19/2026



Soil Moisture Station Management Guide Outline

- Equipment & Vendors Used in Sierra Valley
- Recommended Station Installation
- General Soil Moisture Station Operation
 - Viewing Data
 - Composite Soil Moisture Sensors
 - Data Interpretation
 - Spring Start Up
- Vendor Specific Guides
 - Agsense 365
 - IrriMax/NeatMon

6/26/2024

10/19/2026



Plumas Watershed Forum Grant Project Budget Update

Plumas Grant Budget Update

Line		Amount	Notes
1)	Budget available as of September 1, 2026	\$ 467,790	From District at last Board meeting
2)	Updated Project Cost Estimates Board Conditionally approved August & September	\$ 358,000	August and September Board approved project totals were, \$372K
3)	Estimates of New October Projects	\$61,000	See table in next slide for project breakdown
4)	Remaining Budget	\$48,790	Proposed Rainfall-Runoff Monitoring or other to be determined

3) New Efficiency Projects for Discussion

PROJECT	MATERIAL/INSTALL	TOTAL	STATUS
Roberti Pivot 16 Orbitor Sprinkler Package	Material		Approved through Ad Hoc
	Installation	\$0	NA – Owner Install
Roberti Pivot 16 Well Sand Separator	Material	\$9,059	
	Installation	\$12,000	
Bar One HQ Pivot Well VFD	Material	\$29,346	October Board Agenda Item
	Installation	\$10,000	Stetson Estimate, once quoted will be brought to Ad hoc
Soil Moisture Station Improvements	Material&Install	\$6,687	October Board Agenda Item
GSP GW monitoring dataloggers	Material	up to \$4,000	October Board Agenda Item Dataloggers to support Jay Huberts monitoring efforts

Rainfall-Runoff Monitoring Study

- The rainfall-runoff relationship determined through this monitoring will quantify the available non-gaged surface water along the northern rim of the valley, which can then be applied in assessing direct recharge and or in-lieu recharge projects in this region
 - \$30,250 Equipment costs including weir, dataloggers, and measuring devices
 - \$20,900 Professional Fees
 - \$51,150 Total
- Installation and monitoring on Diamond G Ranch



Monitoring Locations on Diamond G

