

Proposed New Gages for the Yuba-Feather Forecast- Coordinated Operations Program



Boone Lek
November 18, 2005





- **Yuba-Feather River Forecast-Coordinated Operations (F-CO) Program**
- **Proposed New Gages**
- **Current Status of Gages**



F-CO Program

- Funded by Proposition 50
- Multiple Agencies Involvement
 - Yuba County Water Agency
 - National Weather Services
 - US Army Corps of Engineers
 - DWR
- Objective: to meet flow targets at key downstream points on the Feather River during high water events.
 - Coordinated Operations of Oroville and New Bullard Bar Facilities
 - Improved Inflow Forecasting
 - New Gages



Proposed New Gages

Basin	Precipitation Gages	Stream Gages	Snow Pillows	Preliminary Cost Estimate
Feather River	Greenville RS	MF Feather R nr Clio	Harkness Flat	\$100,000
	Hamilton Branch FS	WB Feather R nr Paradise		
	Stirling City RS	South Honcut Creek		
	Paradise FD			
Yuba-Bear	Bowman Dam	NF Yuba above NBB	Robinson Cow Camp	\$100,000
	Colgate PH	Dry Creek nr Wheatland		
	Downieville RS			
	Grass Valley			
	Sierra City			
	Camp Far West			
	Bear R nr Wheatland			
	MF Yuba R at Our House			

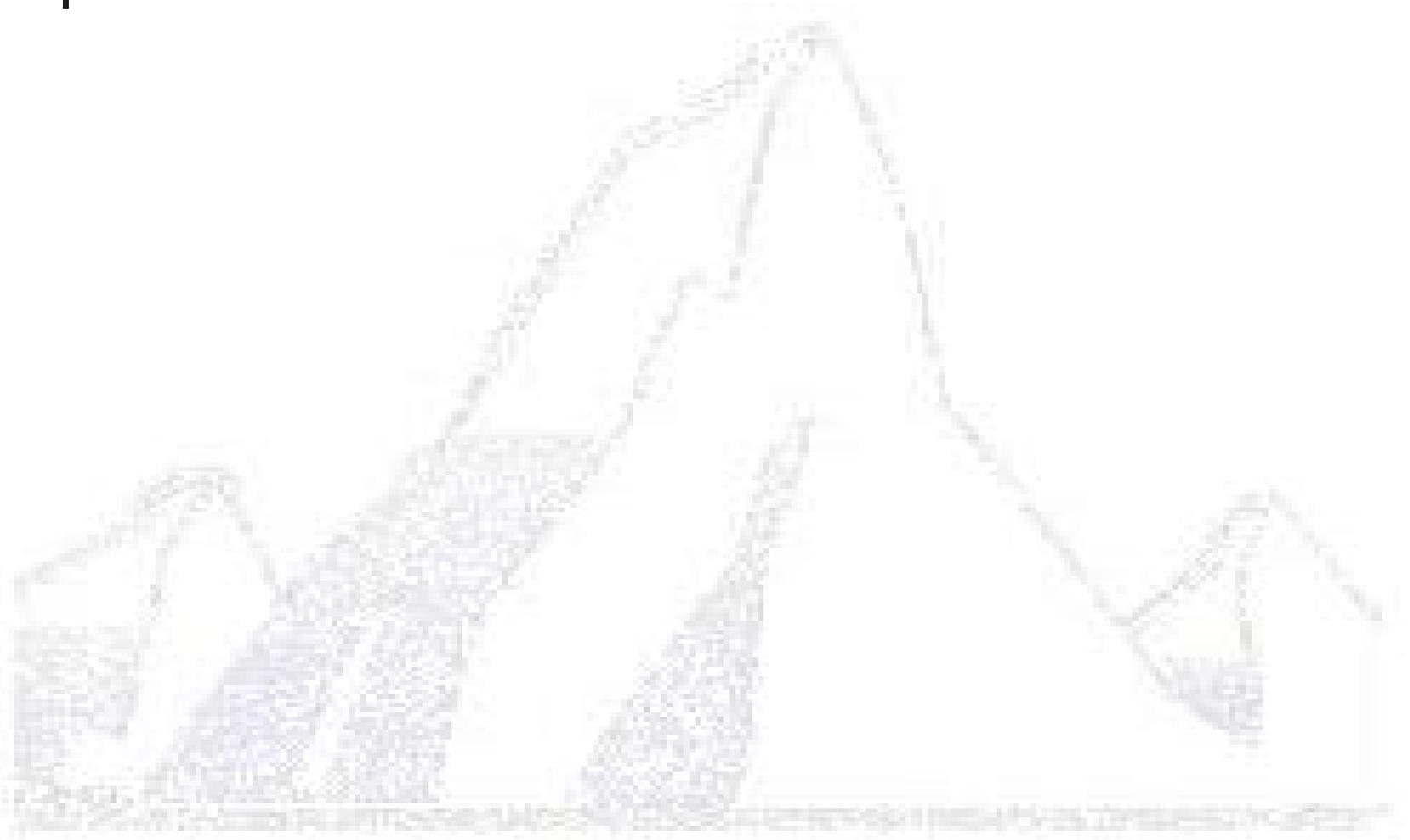


Current Status

Basin	Precipitation Gages	Stream Gages	Snow Pillows	Preliminary Cost Estimate
Feather River	Greenville RS	MF Feather R nr Clio	Harkness Flat	\$100,000
	Hamilton Branch FS	WB Feather R nr Paradise		
	Stirling City RS	South Honcut Creek		
	Paradise FD			
Yuba-Bear	Bowman Dam	NF Yuba above NBB	Robinson Cow Camp	\$100,000
	Colgate PH	Dry Creek nr Wheatland		
	Downieville RS			
	Grass Valley			
	Sierra City			
	Camp Far West			
	Bear R nr Wheatland			
	MF Yuba R at Our House			

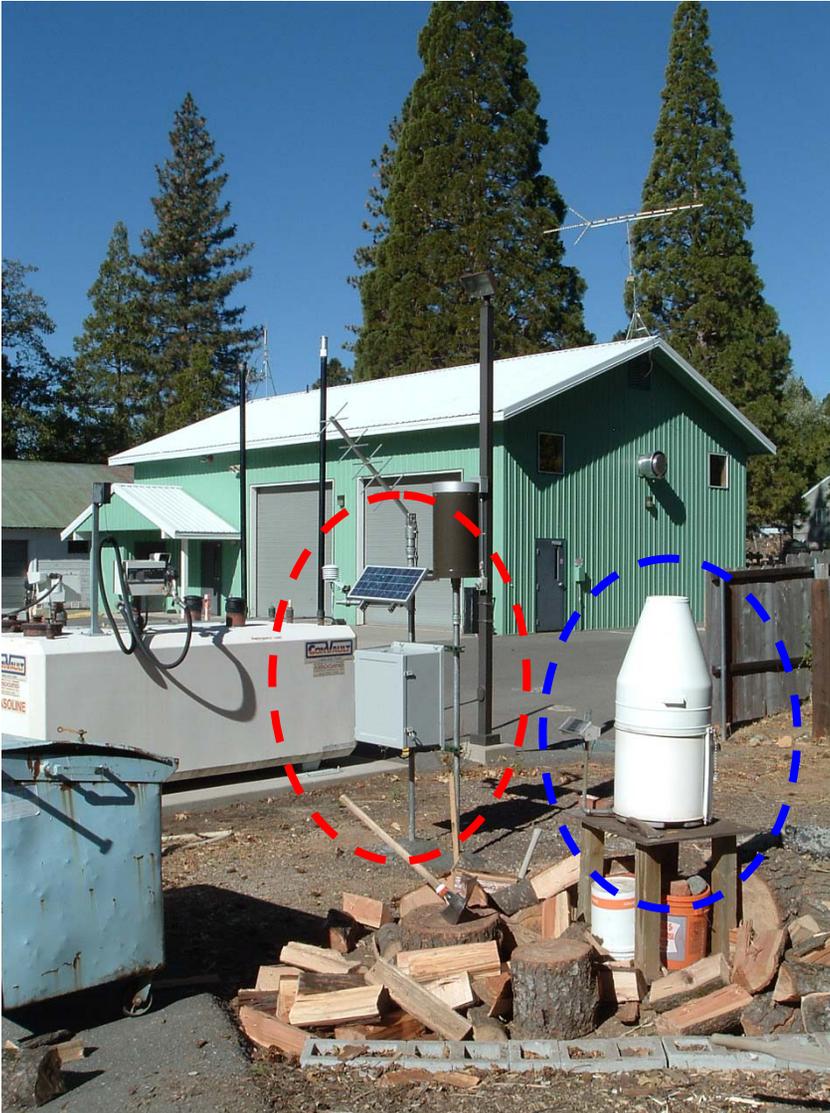


Installed Precip. Gages





Stirling City RS





Paradise FD



Old



New



Bowman Dam



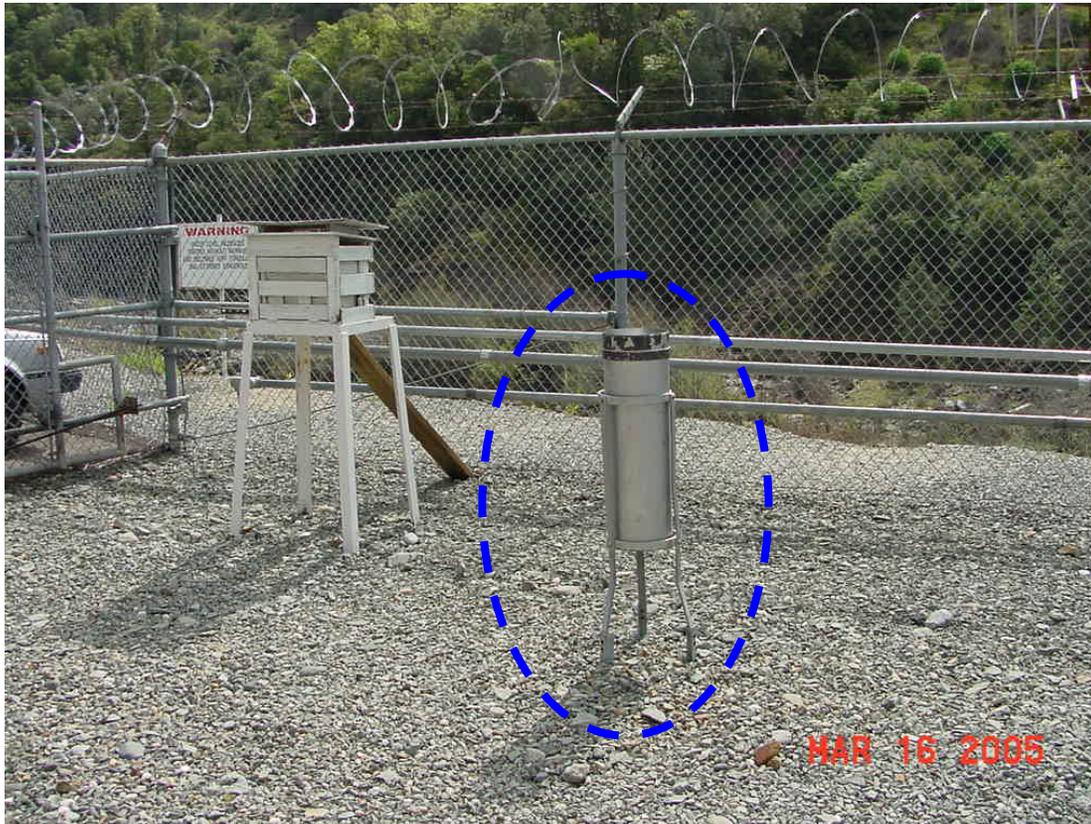
Old



New



Colgate PH



Old



New

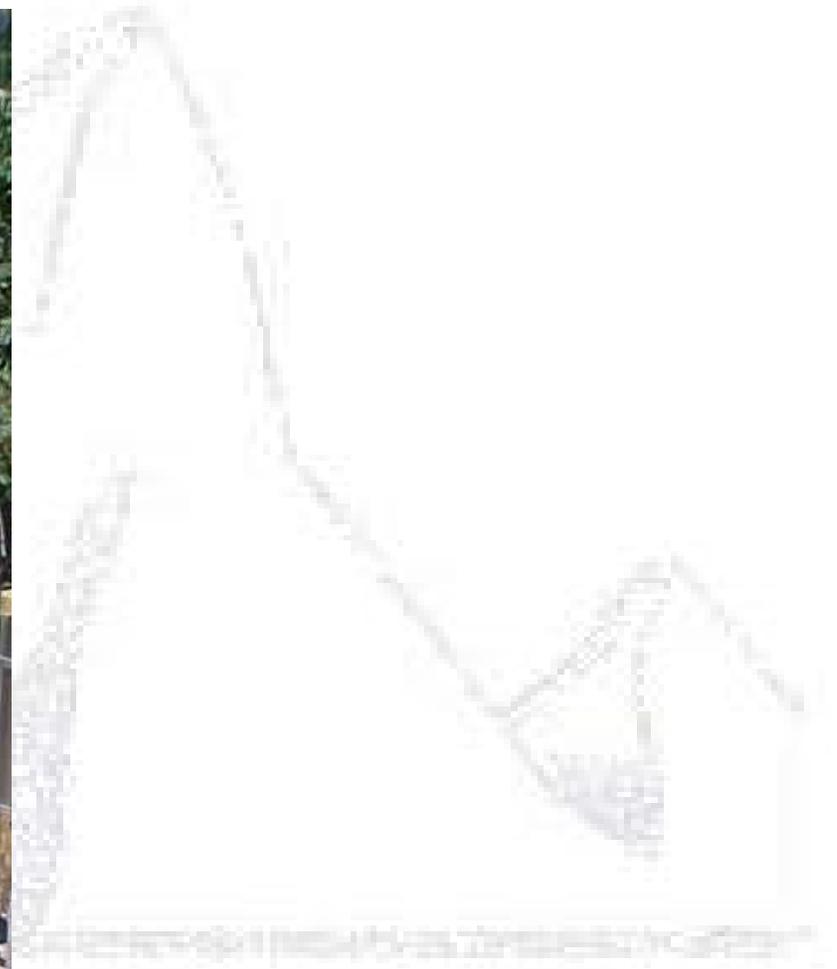


Downieville RS





Grass Valley





Sierra City

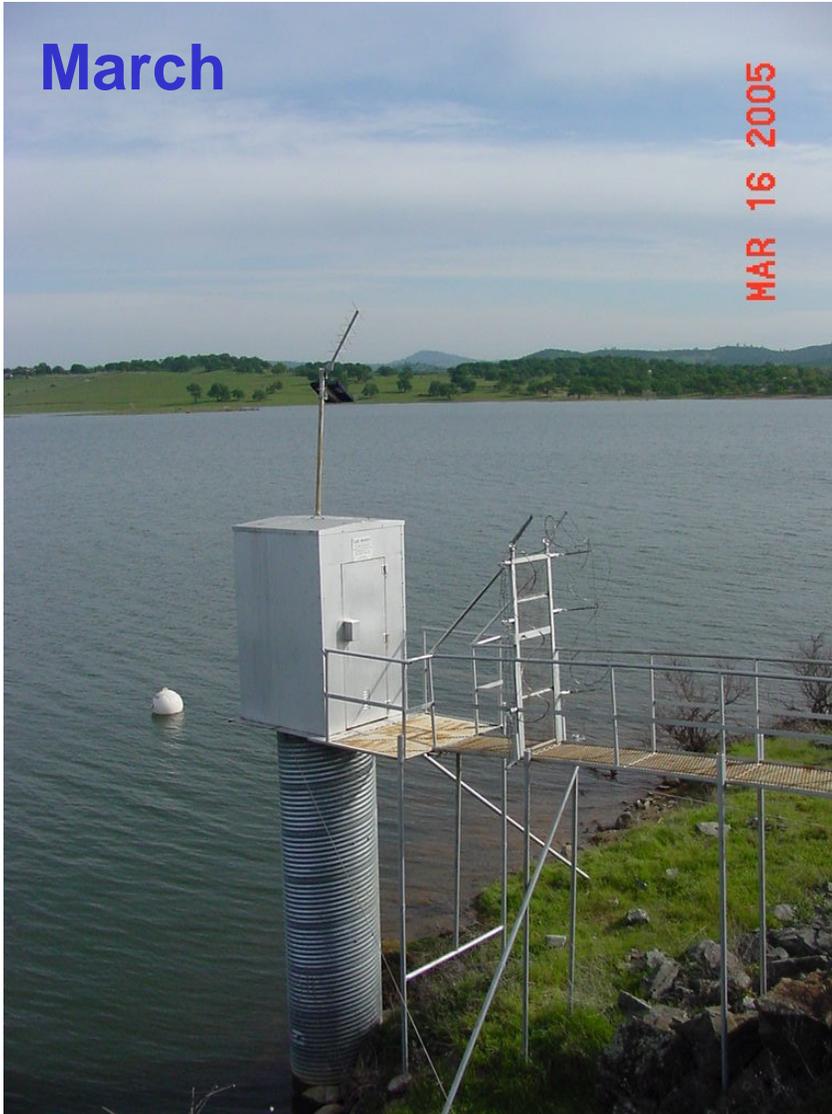




Camp Far West

March

MAR 16 2005



September



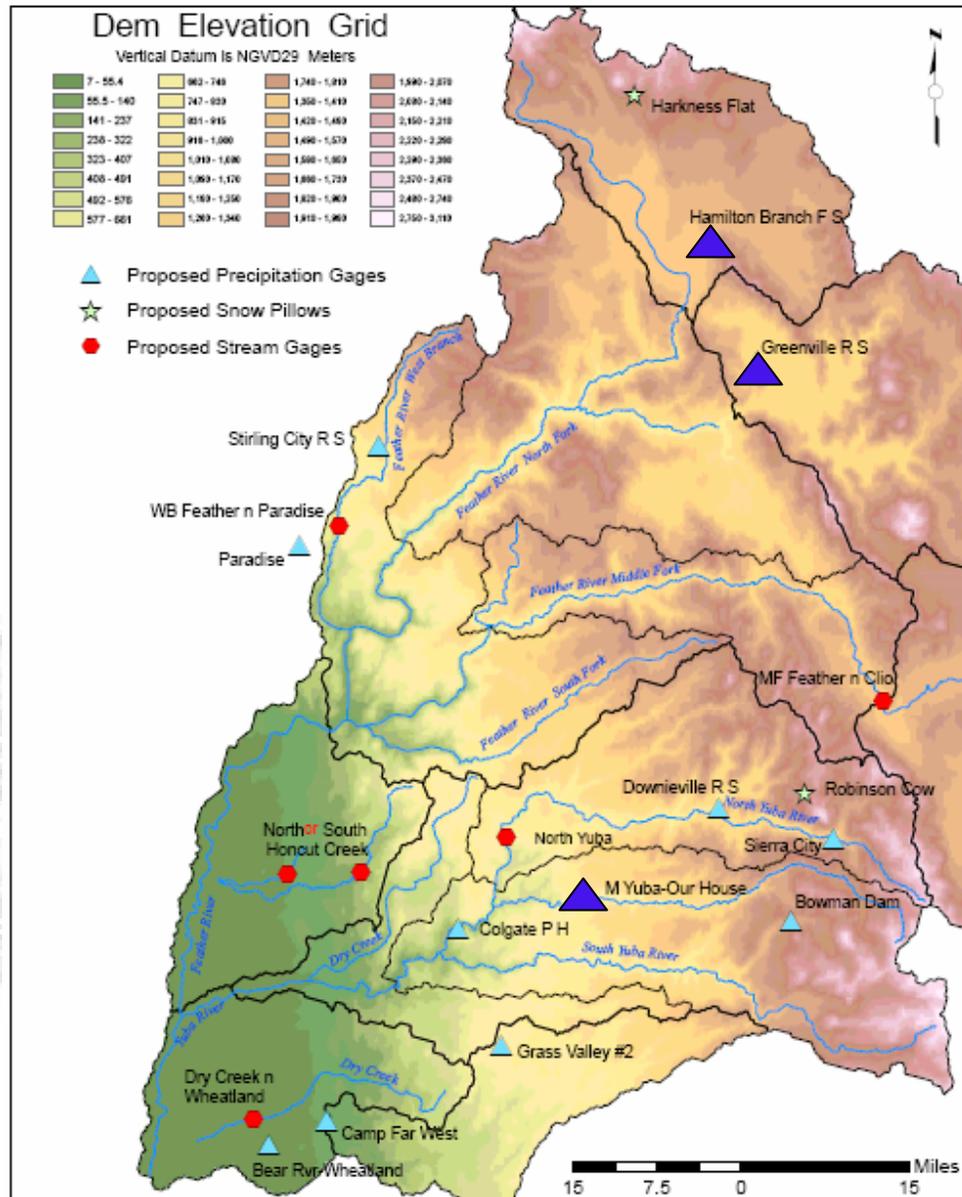


Bear River near Wheatland





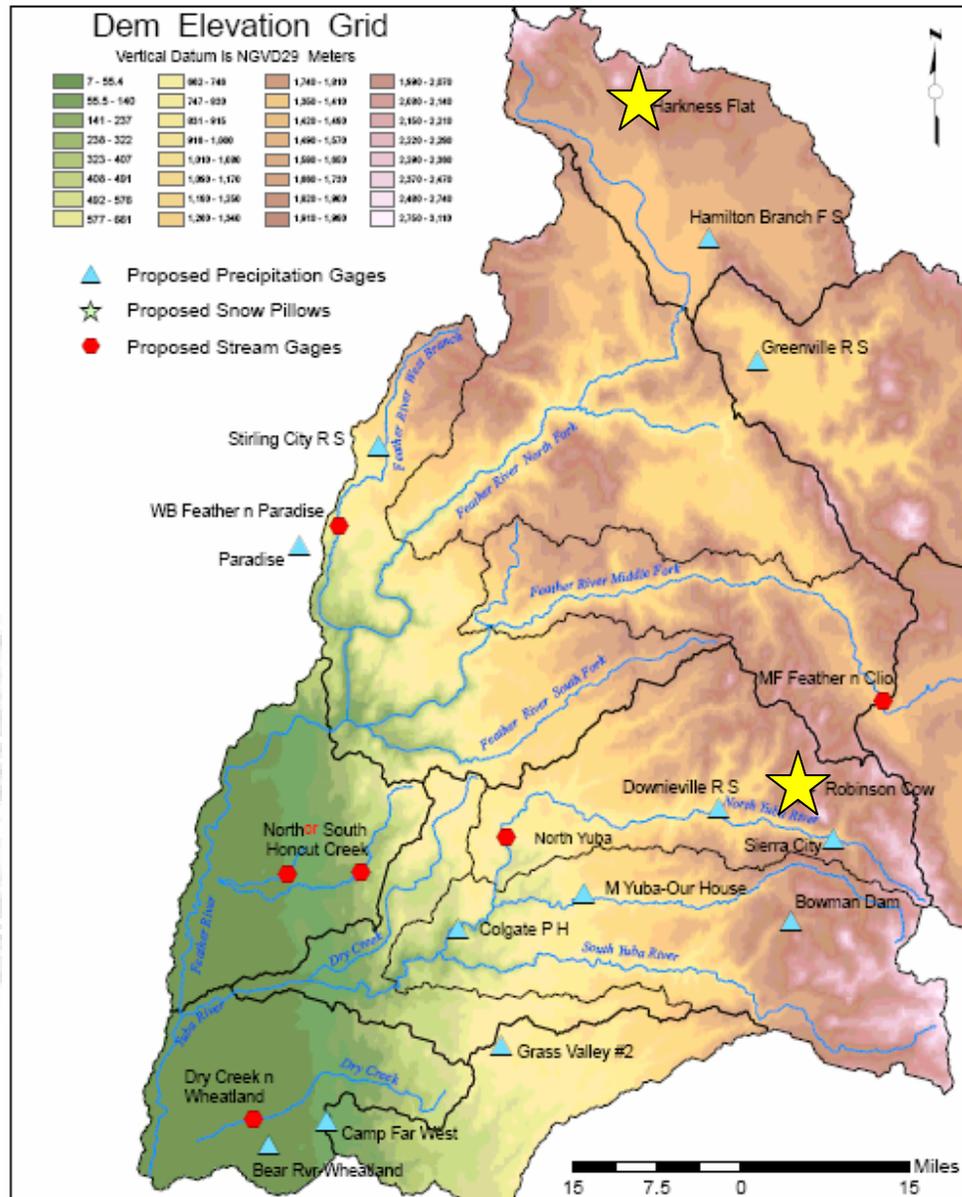
Uninstalled Precip. Gages



MBK Engineers, 2005



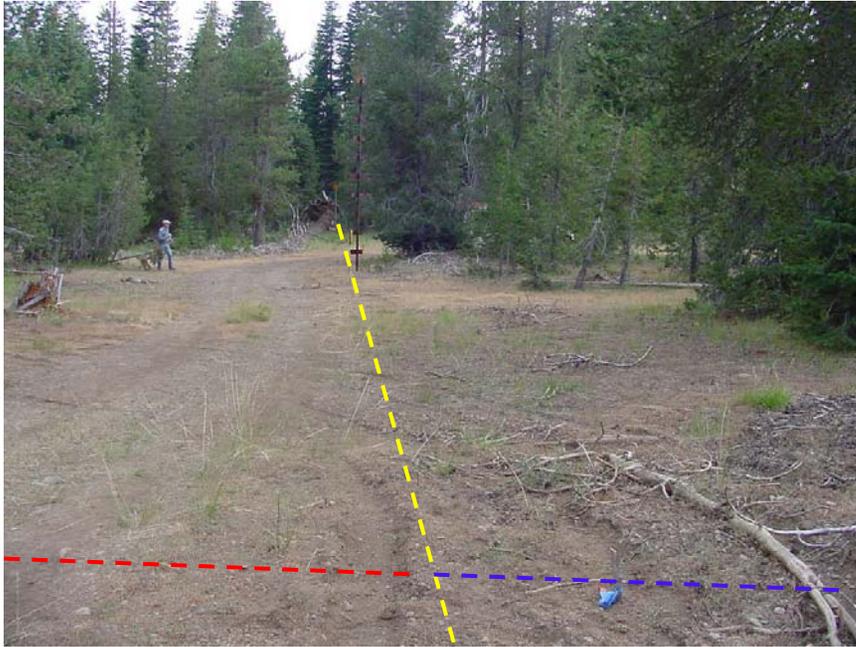
Snow Pillows



MBK Engineers, 2005

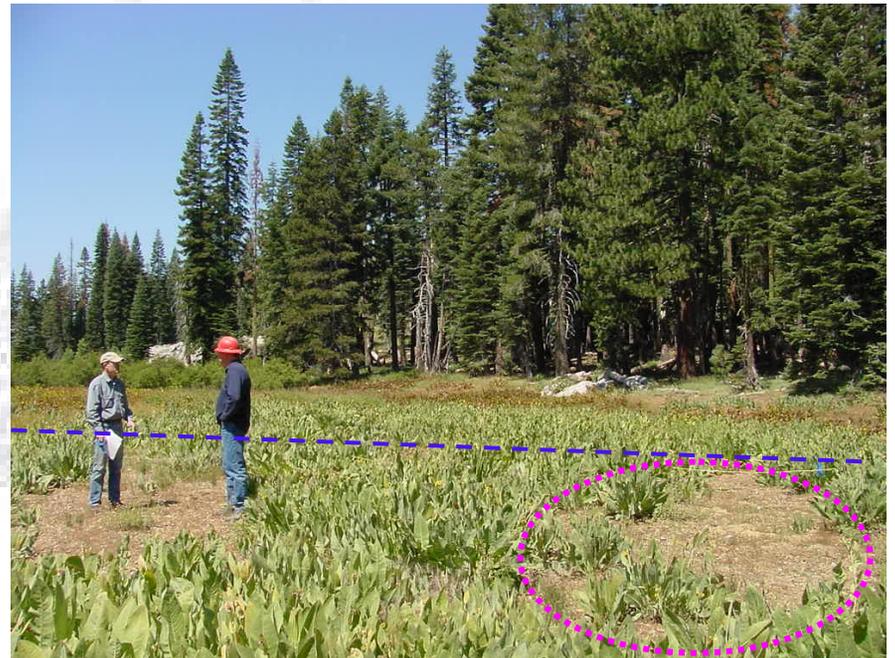
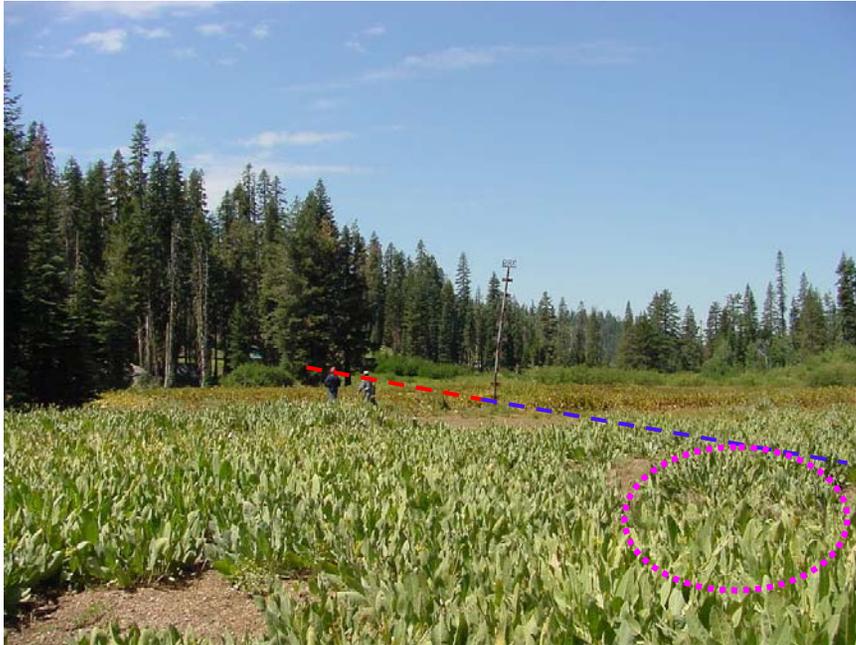


Harkness Flat



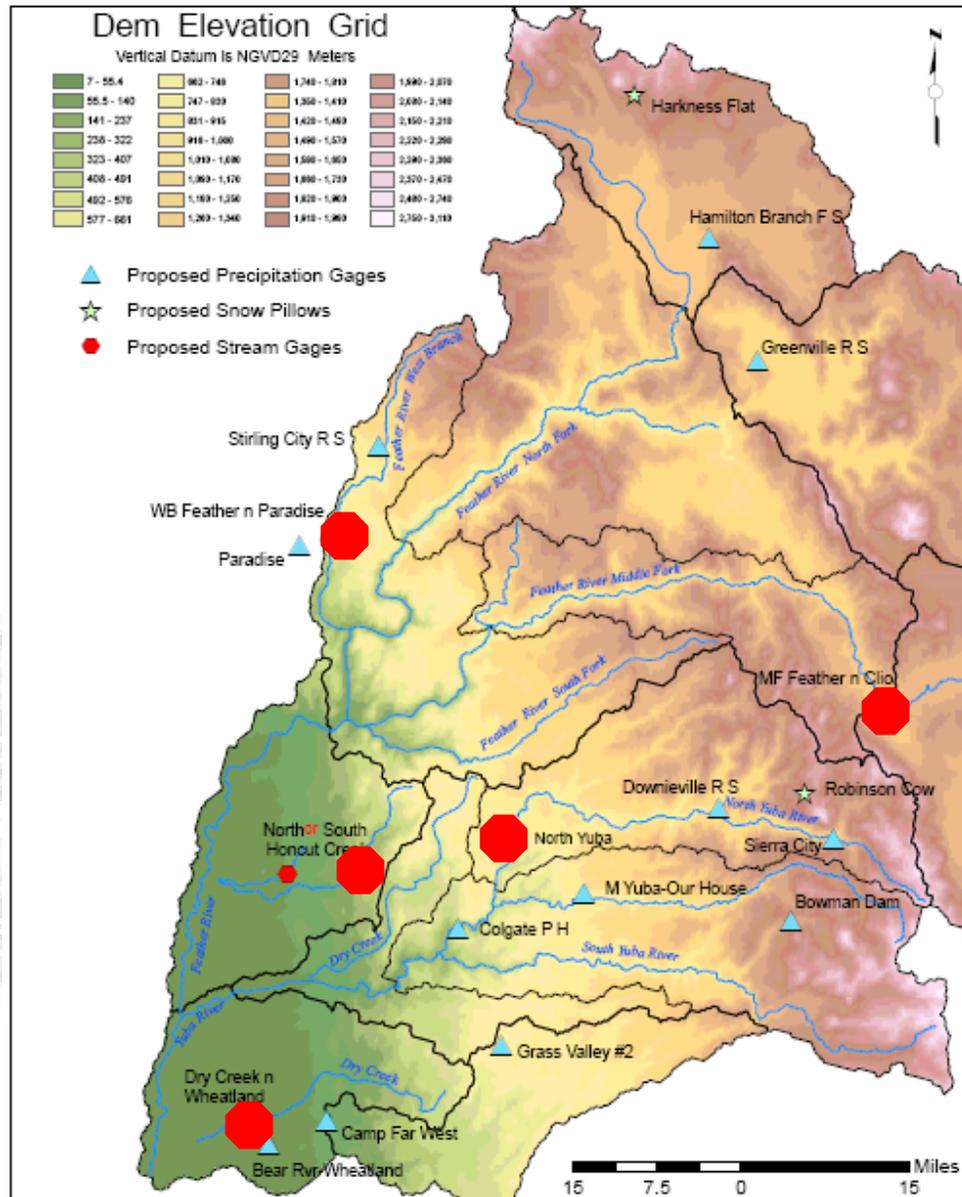


Robinson Cow Camp





Stream Gages



MBK Engineers, 2005



Summary of All Gages

- Precipitation Gages
 - 9 of 12 installed (1 transmitting to CDEC)
 - Installation of Remaining 3 to be Completed by Winter

- Snow Pillows
 - Permits submitted
 - Installation by Summer 2006

- Stream Gages
 - Yuba-Bear gages—YCWA (NF Yuba installed)
 - Feather R gages—DWR (installation by Fall 2006)



CDEC website: <http://cdec.water.ca.gov>

Questions?