

Plumas Watershed Forum

**Plumas County Flood Control & Water Conservation District
California Department of Water Resources
State Water Project Contractors**



Annual Report

Fiscal Year 2005-2006

Plumas Watershed Forum

Annual Report 2005-2006 Fiscal Year

May 22, 2007

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Plumas Watershed Forum

Part I - Overview

The watershed for California's State Water Project encompasses the mountains and waterways around the Feather River, most of which lie within Plumas County. The State Water Project is the nation's largest state-built water and power development and conveyance system. Planned, designed, constructed and now operated and maintained by the California Department of Water Resources, this unique facility provides water supplies for 23 million Californians and 755,000 acres of irrigated farmland.

The Plumas Watershed Forum was formed on May 5, 2003, as part of a larger settlement agreement resolving a lawsuit related to the State Water Project. The Department of Water Resources, the Plumas County Flood Control and Water Conservation District, and the 28 other State Water Project Contractors created the Watershed Forum to implement watershed management and restoration activities for the mutual benefit of Plumas County and the State Water Project.

The Watershed Forum is funded by the Department of Water Resources, with a commitment of \$1 million dollars per year for the first four years (2003 through 2006), which was paid into the Forum on schedule. Depending on whether a new environmental impact report is successfully completed for certain changes to the water supply contracts between the Department of Water Resources and the State Water Project Contractors, the funding will be extended for an additional four years. The new EIR is expected to be released for public review and comment in early to mid-2007.

The following sections of this report provide a review of activities and projects undertaken by the Watershed Forum, reports of past expenditures and a budget for the current fiscal year, and the agendas and minutes from meetings of the Forum and its Technical Advisory Committee.

For more information, please visit the following websites or contact Plumas County or DWR staff at the addresses below. The Plumas County web page provides information about the Watershed Forum and specific projects that have been implemented. The Department of Water Resources web page includes the settlement agreement which created the Watershed Forum, as well as the Feather River Watershed Management Strategy, the document that was created to guide the Forum's watershed investments.

Plumas County – Plumas Watershed Forum

<http://www.countyofplumas.com/publicworks/watershed/index.htm>

California Department of Water Resources – Monterey Agreement Overview

<http://www.montereyamendments.water.ca.gov/>

**Plumas County Flood Control and
Water Conservation District**
1834 East Main Street
Quincy, CA 95971
(530) 283-6268

**Northern District
California Department of Water Resources**
2440 Main Street
Red Bluff, CA 96080
(530) 529-7342

Plumas Watershed Forum Timeline

- 6/20/03 – First Settlement payment (\$1,000,000)
- 7/28/03 – First Watershed Forum Meeting – *Adopted Bylaws*
- 8/13/03 – Watershed Forum Meeting
- 11/7/03 – First TAC Meeting
- 1/9/04 – TAC Meeting
- 1/27/04 – Watershed Forum Meeting
- 3/15/04 – TAC Meeting
- 5/14/04 – Watershed Forum Meeting – *Adopted Feather River Management Strategy*
- 6/21/04 – Second Settlement Payment (\$1,000,000)
- 6/18/04 – Deadline for Submittal of Initial Project Proposal

- 8/6/04 – Deadline for Submittal of Final Project Proposal
- 8/20/04 – TAC Meeting
- 8/31/04 – Watershed Forum Meeting
- 9/10/04 – TAC Meeting
- 10/26/04 – Watershed Forum Meeting – *Adopted Process for Awarding Grant Money*
- 12/15/04 – Request for Concept Proposals
- 1/21/05 – Deadline for Submittal of Initial Project Proposals
- 2/22/05 – TAC Meeting
- 4/1/05 – Deadline for Submittal of Final Project Proposals
- 4/28/05 – AC Meeting
- 5/23/05 – Watershed Forum Meeting
- 6/17/05 – Third Settlement Payment (\$1,000,000)

- 10/25/05 – Watershed Forum Meeting – *Adopted Project Administration Policy, Cost Share Policy, and Unspent Fund Policy; Approved First Annual Report*
- 12/14/05 – Request for Concept Proposals
- 1/20/06 – Deadline for submittal of Initial Project Proposals
- 2/17/06 – TAC Meeting
- 2/24/06 – CORE TAC
- 3/31/06 – Deadline for Submittal of Final Project Proposals
- 4/28/06 – CORE TAC
- 5/15/06 – Pre-recommendation Project Tours
- 5/23/06 – Forum Meeting on Full Proposals including approval or other disposition
- 6/15/06 – Fourth Settlement Payment (\$1,000,000)

- 10/23/2006 – Project Tours to View Results of Restoration Construction
- 10/24/2006 – Watershed Forum Meeting

Summary of Projects & Expenditures

Project	\$ Approved	Expend to 06/30/2006	Unspent Reserved	Available for Other Use	Notes
Majority "A" Funds					
2003					
Plumas Corp Veg. management	75,000	22012.17	0	52987.83	see pg.2 First Annual Rpt
UC Extension Sulphur Creek data collection	3,000	3,000	0		
Sierra Valley Flood Study	475,000	0	0	reallocate Lake Davis WT	see pg.6 First Annual Rpt
EcoSystem Science (FR Mangmnt Strategy)	27,780	27259		21	see pg 6 First Annual Rpt
2004					
2004 Legislative Watershed Education Day	500	500	0		
Sierra Valley Flood Study 10/26/04	13,260	0	0	reallocate Lake Davis WT	see pg.6 First Annual Rpt
SVGMD monitoring wells	151,700	120,984.24	applied to 2005 proj	715.76	see pg.4 First Annual Rpt
CRM- Charles Creek restoration	35,000	35,000	0		
USFS Beckwourth Road relocation	63,500	59,466.01	4,033.99		
CRM - Charles & Hosselkus Creeks	115,000	9,893.28	70,106.72	\$35,000 Agmnt w/ USFS	see Oct 2006 Annual Rpt
USFS - Charles Ck lo H2O xing		0.00	35,000.00		see Oct 2006 Annual Rpt
2005					
FR College -habitat improvement	92,543	80,432.42	12110.58		
SVGMD - well enhancement	30,000	8195.96	21,804.04		
Plumas Geohydrology - Red Clover	25,000	2601.65	25,398.35		see Oct 2006 Annual Rpt
USFS Aspen Restoration	84,500	1499.41	83,000.59		
CRM - monitoring	25,000	13,936.05	11,063.95		
CRM- Jordan Flat Restoration	64,000	63,994.98	5.02		
Lake Davis Water Treatment Facility	488,260	0	488,260	0	see Oct 2006 Annual Rpt
2006					
CRM - Dixie Creek Restoration	56,000	0	56,000		
CRM - Ferris Fields Restoration	86,000	0	86,000		
CRM - Meadow Valley Silver Creek	51,000	0	51,000		
CRM - Meadow Vallet Spanish Creek	147,000	0	147,000		
CRM - Little Last Chance Creek Restoration	115,000	0	115,000		
USFS - Ramelli Ditch Restoration	85,000	0	85,000		
Plumas Geohydrology - Red Clover	3,000	0	added to 2005 proj		
			1290783.24		

Summary of Projects & Expenditures

Project	\$ Approved	Expend to 06/30/2006	Unspent Reserved	Available for Other Use	Notes
Minority "B" Funds					
2003					
GLRID (GrizzlyLakeResort Improvement Dst)	100,000	100,000	0		
Lake Davis pike eradication	20,000				20,000 see pg. 3 First Annual Rpt
2004					
Plumas Geohydrology - isotope	23,000	21,386.31	1,613.69		
CRM - monitoring & coordination	70,000	70,000	0		
SV RCD capacity building	25,000	24,826.57	0	173.43	
FR RCD Capacity building	17,750	17,750	0		
Plumas Corp	50,000	19,856.85	0.00	30143.15	
PUSD Watercourse Education	34,000	30,958.07	0	3041.93	
2005					
Lake Davis Water Treatment Facility	250,000	0	0		
Ecosystem Science (IRWM Plan)	100,000	100035.01	0		
SV RCD capacity building	25,000	21,427	3,573		
FR RCD Capacity building	30,000	8092	21908		
Plumas Geohydrology-forest canopy	21,000	7654.67	13,345.33		
Plumas Corp	75,000	40,138.85	10,604.16	24,256.99	invoice rcd too late for paymnt
CRM - outreach & awareness	33,368	2086.15	31,281.85		
CRM - project coord & development	50,000	34,317.26	15,682.74		
2006					
Plumas Corp- cont. upland veg management	30,000	0.00	30,000		approved BOD 4/11/2006
			128,009		

Part II – Summary of Activities

An overall goal of the Watershed Forum is to have complete projects. To protect the interests of the Flood Control District, Department of Water Resources and the State Water Project Contractors and to ensure funded projects are completed in a timely and transparent manner, CORE TAC (management staff from the three agencies) met during the summer of 2005 to develop policies and clarify responsibilities.

Plumas County Flood Control District administers projects on behalf of the Watershed Forum. CORE TAC collaborated to produce a Project Administration Policy and refine contract language to create clear goals and expectations for the project proponents and the Flood Control District. The administrative responsibilities of the District include reviewing project designs, entering into project funding agreements, monitoring project progress, inspecting fieldwork to verify completion and dispersing Forum funds.

Project proponents seek funding from many sources so a project the Forum funds may have multiple sponsors. When a sponsor other than the Forum pulls out or reduces their support there is a danger the project will not be completed as designed and the Watershed Forum does not want to fund incomplete projects. A Cost Share Reduction Policy was developed to ensure the Forum has the opportunity to reevaluate their support of any project that loses more than 25 percent of funding support.

Funding awards are based on cost estimates provided by the project proponents and funds are allocated to specific budget line items. Occasionally projects are completed for less than the projected cost. An Unspent Fund Policy was developed to ensure any funds remaining when a project is completed are not used to enhance or expand the scope of the approved project without the Forum's knowledge and approval.

At the October meeting Forum members looked ahead and discussed how the potential interruption in funding could impact the work being done using Watershed Forum funds. The Forum approved a schedule for project solicitation and review with the caveat that there probably would not be enough money to fund every applicant and urged representatives from capacity building projects to make sure they had bridging mechanisms in place to cover any interruption in funding.

In the spring the third round of proposals were received and evaluated by the Technical Advisory Committee (TAC). The TAC concluded that nine projects should be classified as capacity building or education, two as monitoring and seven as treatment or restoration. Capacity building and education projects are activities that work indirectly toward the goals of the Forum or address secondary priorities of the Feather River Watershed Management Strategy; these projects are funded using Minority or "B" funds. Treatment/restoration projects are funded using Majority or "A" funds; monitoring projects have been funded from either fund. A mid-year budget evaluation clarified there would be little or no uncommitted "B" funds available for project funding and the total of the treatment/restoration requests exceeded the amount of uncommitted "A" funds.

Because this would be the first time the Watershed Forum would not have enough money to fund all projects they received proposals on, the CORE TAC felt it was important to offer CORE TAC and Forum members an opportunity to visit proposed project sites and hear from the project managers before making recommendations or funding decisions. Flood Control District arranged transportation and lunch for the tour and key project people were available on site to explain their project and answer questions.

During the May Watershed Forum meeting the following projects were recommended for Majority "A" funding by the TAC and approved by the Forum:

- \$51,000 to Feather River CRM for the Meadow Valley Silver Creek Restoration: to minimize erosion of the gully, capture sediment, and reconnect the inset channel with the mid-terrace floodplain using log jams, boulder vanes, raised riffles, scour holes, transplanted vegetation and bank reshaping.
- \$147,000 to Feather River CRM for the Meadow Valley Spanish Creek Restoration: to minimize erosion, improve sediment transport and improve onsite and downstream conditions by reducing the deposition of bedload.
- \$85,000 to USFS for Ramelli Ditch Restoration: ensures a safe and reliable supply of irrigation water while reducing sedimentation.
- \$115,000 to Feather River CRM for the Little Last Chance Creek Restoration: to reduce erosion while stabilizing the banks within the gully and raising the level of the channel
- \$56,000 to Feather River CRM for the Dixie Creek Restoration: a demonstration project for adjacent landowners; restore full function of the floodplain/channel system on a reach of the creek thus preventing additional loss of functional meadow upstream
- \$3,000 to Plumas Geohydrology for Red Clover Baseflow Monitoring: funding allows continuation of field work and data collection during and after the restoration work currently being done
- \$86,000 to Feather River CRM for Ferris Fields Restoration: this is a supplemental project that will provide hydrologic and biologic connection between previously restored reaches of Last Chance Creek. Eliminates the gully, returns the channel to the elevation of the floodplain, improves water quality and riparian area productivity.

In addition to funding the above projects, the Forum approved amending Paragraph 11 of the Bylaws to allow Flood Control District staff to update the names of the specific individual representing each participant group without going to the Forum for approval.

The Forum also again discussed how to best keep the work going in light of Department of Water Resources' confirmation that the interruption in funding was certain. The Forum approved setting aside \$160,000 of the incoming "A" funds; \$60,000 to cover salaries for Flood

Control staff and County Counsel for 2006/2007; \$100,000 to cover contract administration, mid-term report and some monitoring of project expenditures for 2007 - 2010.

Part III – Integrated Regional Water Management

In 2005, the Flood Control District, the County of Plumas, the Plumas National Forest, and the Sierra Valley Groundwater Management District entered a memorandum of understanding to adopt an Integrated Regional Water Management Plan (“IRWM Plan”) for the Upper Feather River Watershed. These four entities form the core partnership of the IRWM program based on their water and land management authority in the region. These entities are all involved in some capacity with the Plumas Watershed Forum, and a number of other public agencies and non-governmental organizations in the region participate in both Forum activities and the IRWM program. Due to the overlapping participants and objectives of the Watershed Form and the IRWM program, an update on the IRWM program is included in this Annual Report.

In 2005, the Flood Control District took the lead in organizing and developing the initial IRWM Plan for the Upper Feather River Watershed using its own staff resources as well as Monterey B funds to obtain the assistance of Ecosystem Sciences Foundation (the same organization that helped the Forum develop the Feather River Watershed Management Strategy).

The IRWM Plan provided a substantial basis for an application for a \$10 million Prop. 50 IRWM implementation grant, which was submitted in the summer of 2005. The grant application for the Upper Feather River Watershed and Water Quality Improvement Project was one of 16 projects that were invited to advance to Step 2 of the application process, and a final decision on grant awards is expected at the end of 2007. The grant proposal was summarized as follows:

The Upper Feather River IRWM partner agencies propose seven projects to enhance all of the designated beneficial uses of the region's rivers and advance the goals of the IRWM program. The projects include stream restoration and erosion control at priority sites in the Plumas National Forest; new wetlands to expand municipal tertiary wastewater treatment; well inventory and capping in Sierra Valley to prevent groundwater contamination; implementing model management practices on two Feather River Land Trust ranches in Sierra and Genesee Valleys; and a modeling program in Sierra Valley to support integrated land and water management decision making. The projects create 37 acres of constructed wetlands, rewater 1,300 acres of desertified meadow, reduce summer water temperatures, improve wastewater treatment, restore 50 miles of degraded perennial streams, and provide essential data and tools for future management decisions.

The entire grant application may be reviewed at the State Water Resources Control Board website:

<https://faast.waterboards.ca.gov/PublicProposalsSearch.asp>

While awaiting the outcome of the Prop. 50 grant, the Flood Control District and the Plumas National Forest have jointly pursued a program related to the connection between water supplies and forest management. In conjunction with the California Hydrologic Research Laboratory at U.C. Davis, the Pacific Southwest, Pacific Northwest, and Rocky Mountain research stations of the Forest Service are working to combine hydrologic modeling and planning techniques that

have been used to evaluate specific stream and meadow restoration projects in the Upper Feather River region with the extensive expertise of the Forest Service in modeling water impacts of upland conditions.

The IRWM partner agencies will begin the first update of the IRWM plan in early 2007. The update will address lessons learned in the early evolution of the IRWM program in California, new statewide program requirements that may be put in place by Proposition 84, coordination and mutual reinforcement between the IRWM Plan and the ongoing Plumas County General Plan update, and developments in the various FERC relicensings currently underway on the North Fork of the Feather River, among other things.

The IRWM Plan is available on the Plumas County website at:

http://www.countyofplumas.com/publicworks/watershed/IRWMP_063005.pdf

Part IV
Financial Reports

2005-2006 A Fund Expenditure Report

2005-2006 B Fund Expenditure Report

Proposed 2006-2007 A Fund Budget

Proposed 2006-2007 B Fund Budget

Plumas Watershed Forum Review of Expenditures 05-06

July 1, 2005 - June 30, 2006

Majority "A" Fund

Beginning Fund Balance	1,252,465.00		1,252,465.81	
Revenue			Revenue	
46611 Revenue from Settlement	500,001.00		500,001.00	
43010 Interest	9,800.00		36,367.95	
Total Assests	1,762,266.00		1,788,834.76	
	Budget	Budget	Expenditures	Expenditures
Expenditures - District Staff				
5100 Regular Wages	38,979.00		116.74	
51020 Other Wages	1,500.00		7,635.01	
51070 UI	195.00		38.90	
51080 Retirement	7,101.00		1,363.70	
51090 Group Insurance	500.00		100.00	
51100 OASDI	2,982.00		595.43	
51110 Workers Comp	3,800.00		115.50	
5111 Comp. Absence	-		-	
Total Salary & Benefits	<u>55,057.00</u>		<u>9,965.28</u>	
Service & Supplies				
52020 Communications	250.00		-	
52170 Miscellaneous	200.00		-	
52180 Office Expense	-		-	
52190 Professional Services/Projects	492,542.00		239,228.20	
USFS -Beckwourth Road Relocation		63,500.00		59,466.01
CRM Charles & Hosselkus		108,000.00		9,101.72
FR College		92,543.00		80,432.42
SVGMD well enhancement		30,000.00		8,195.96
Plumas Geohydrology - Red Clover		25,000.00		2,601.65
USFS -Aspen Restoration		84,500.00		1,499.41
CRM - monitoring		25,000.00		13,936.05
CRM - Jordan Flat		<u>64,000.00</u>		<u>63,994.98</u>
		492,543.00		239,228.20
52370 Publications	2,000.00		120.00	
52420 Rents & Leases	800.00		50.00	
52440 Special Dept. Expenses	100.00		-	
52550 Auditor Fees	900.00		940.36	
52740 Routine Travel	500.00		-	
52750 Special Travel	2,400.00		30.15	
52775 In County Hosting	1,200.00		390.37	
52790 Administration - Director FC&WCD	15,000.00		15,000.00	
Lake Davis Water Treatment Fac	488,260.00			
Uncommitted	703,057.00			
Total Service & Supplies	1,707,209.00		255,759.08	
Total Expenses	1,762,266.00		265,724.36	
Balance			1,523,110.40	
Auditor adjustment			(777.09)	
End Fund Balance			1,522,333.31	

Plumas Watershed Forum Review of Expenditures 05-0

July 1, 2005 - June 30, 2006

Minority "B" Fund

Beginning Fund Balance	434,475.00		434,475.15	
Revenue			Revenue	
46611 Revenue from Settlement	499,999.00		499,999.00	
43010 Interest	6,000.00		8,698.10	
Total Assests	940,474.00		943,172.25	
	Budget	Budget	Expenditures	Expenditures
Expenditures - District Staff				
5100 Regular Wages	38,979.00		116.76	
51020 Other Wages	-		3,854.80	
51070 UI	195.00		12.48	
51080 Retirement	7,101.00		584.32	
51090 Group Insurance	-		373.47	
51100 OASDI	2,982.00		313.91	
51110 Workers Comp	3,800.00		66.83	
51111 Comp. Absence				
5120 Per Diem			600.00	
Total Salary & Benefits	53,057.00		5,922.57	
Service & Supplies				
52020 Communications	1,000.00		395.84	
52170 Miscellaneous	100.00		-	
52180 Office Expense	1,000.00		209.78	
52190 Professional Services/Projects	593,758.00		505,631.57	
Plumas Geohydrology - isotope		10,090.00		8,476.79
CRM - monitoring & coordination		70,000.00		70,000.00
SV RCD - capacity building		40,000.00		40,711.77
FR RCD - capacity building		35,000.00		23,329.00
Plumas Corp -		75,000.00		40,138.85
Plumas Geohydrology - forest canopy		21,000.00		7,654.67
CRM - outreach & awareness		33,668.00		2,086.15
CRM - proj coordination & development		50,000.00		34,317.26
MWH Americas - FERC consultant		48,000.00		33,779.32
Leah Wills		50,000.00		69,047.02
Michael Jackson		40,000.00		49,619.69
John Mills		85,000.00		85,083.38
Maidu Cultural Dev. Gp.		36,000.00		31,493.45
Ecosystem Science				425.26
Plumas Unified School District				8,379.12
Advocation Inc				1,066.15
Reimburse Road				<u>23.67</u>
		593,758.00		<u>505,631.55</u>
52370 Publications	200.00		-	
52420 Rents & Leases	1,000.00		1,000.00	
52440 Special Dept. Expenses	100.00		-	
52550 Auditor Fees	-		-	
52740 Routine Travel	100.00		-	
52750 Special Travel	10,000.00		8,513.09	
Hunter				69.61
Meacher				7,908.86
Morris				145.62
Dennison				<u>389.00</u>
				8,513.09
52775 In County Hosting	100.00		299.12	
52790 Administration - Director FC&WC	3,000.00		3,000.00	
Lake Davis Water Treatment Fac.	250,000.00			
Interfund Transfer - County Counsel	26,588.00		25,000.00	actual transfer was to BOS budget
Uncommitted	471.00			
Total Service & Supplies	887,417.00		544,049.40	
Total Expenses	940,474.00		549,971.97	
Balance			393,200.28	
Auditor Adjustment			1,191.69	unnecessary to track compensated absences
End Fund Balance			394,391.97	

2006-2007 Majority "A" Fund Budget

Beginning Fund Balance	1,522,333		
Revenue			
46611 Revenue from Settlement	0		
43010 Interest	9,800		
Total Assests	1,532,133		
Expenditures - District Staff			
5100 Regular Wages			
51020 Other Wages	57,258	(Hunter and Oglesby and transfers to County Counsel and Board of Supervisors)	
51070 UI	49		
51080 Retirement	1,791		
51090 Group Insurance	0		
51100 OASDI	729		
51110 Workers Comp	173		
51111 Comp. Absence	0		
Total Salary & Benefits	60,000	approved for salaries by Forum May 23 '06	
Service & Supplies			
52020 Communications	250		
52170 Miscellaneous	200		
52180 Office Expense	0		
52190 Professional Services/Projects	1,293,076		
USFS -Beckwourth Road Relocation		4,034	
CRM - Hosselkus		72,399	
USFS Charles Creek Low Water Crossing		35,000	
FR College		12,111	
SVGMD well enhancement		21,804	
Plumas Geohydrology - Red Clover		25,398	\$3000 increase aprvred by Forum May '06
USFS -Aspen Restoration		83,001	
CRM - monitoring		11,064	
CRM - Jordan Flat		5	
CRM - Dixie		56,000	
CRM - Ferris		86,000	
CRM - Meadow Valley Silver Ck		51,000	
CRM - Meadow Valley Spanish		147,000	
CRM - Little Last Chance Ck		115,000	
Lake Davis Water Treatment Facility		488,260	
USFS - Ramelli Ditch		<u>85,000</u>	
		1,293,076	
52370 Publications	2,000		
52420 Rents & Leases	800		
52440 Special Dept. Expenses	100		
52550 Auditor Fees	1,000		
52740 Routine Travel	500		
52750 Special Travel	2,400		
52775 In County Hosting	1,200		
52790 Administration	0		
Total Service & Supplies	1,301,526		
Total Expenses	1,361,526		
Reserved funding for program mgmnt thru 08/09	100,000	Approved by Forum May '06	
Uncommitted funds	70,607		

2006-2007 Minority "B" Fund Budget

Beginning Fund Balance	394,391.00	
Revenue		
46611 Revenue from Settlement	-	
43010 Interest	1,500.00	estimate
Total Assests	395,891.00	
Expenditures - District Staff		
5100 Regular Wages	-	
51020 Other Wages	-	
51070 UI	-	
51080 Retirement	-	
51090 Group Insurance	-	
51100 OASDI	-	
51110 Workers Comp	-	
51300 Per Diem	7,200.00	
Total Salary & Benefits	7,200.00	
Service & Supplies		
52020 Communications	500.00	
52170 Miscellaneous	100.00	
52180 Office Expense	1,000.00	
52190 Professional Services/Projects	380,790.16	
Plumas Geohydrology - isotope	1,614.00	
SV RCD - capacity building	3,573.00	
FR RCD - capacity building	21,908.00	
Plumas Corp -	40,604.16	30,000 approved at April 11, 2006 BOS Meeting; invoice for \$10604.16 submitted 7/20
Plumas Geohydrology - forest canopy	13,345.00	
CRM - outreach & awareness	31,582.00	
CRM - proj coordination & development	15,683.00	
MWH Americas - FERC consultant	20,000.00	
Tom Hunter - FERC consultant	17,000.00	
Leah Wills	56,997.00	
Michael Jackson	38,089.00	
John Mills	71,600.00	
Advocation Inc	12,795.00	
Maidu Cultural Dev, Gp.	<u>36,000.00</u>	
	380,790.16	
52370 Publications	100.00	
52420 Rents & Leases	1,000.00	
52440 Special Dept. Expenses	-	
52550 Auditor Fees	-	
52740 Routine Travel	100.00	
52750 Special Travel	5,000.00	
52775 In County Hosting	100.00	
52790 Administration - Director FC&WCD	-	
Uncommitted	-	
Total Service & Supplies	388,690.16	
Total Expenses	395,890.16	
Balance Available	0.84	

Part V

Agendas and Meeting Minutes

**PLUMAS COUNTY FLOOD CONTROL AND WATER CONSERVATION DISTRICT
PLUMAS WATERSHED FORUM
COUNTY OF PLUMAS, STATE OF CALIFORNIA**

**AGENDA FOR MEETING OF OCTOBER 25, 2005 TO BE HELD AT 10:00 A.M. AT THE
DEPARTMENT OF PUBLIC WORKS CONFERENCE ROOM, 1834 EAST MAIN STREET,
QUINCY, CALIFORNIA**

**WILLIAM N. DENNISON, CHAIRMAN
NANCY L. DAFORNO, CLERK**

www.countyofplumas.com

AGENDA

1. 10:00 A.M. **INTRODUCTIONS**
2. **PUBLIC COMMENT OPPORTUNITY**
Any member of the public may address the Forum on matters which are within the jurisdiction of the Forum. If you are addressing the Forum regarding a matter listed on the agenda, you are requested to hold your comments until the Forum takes up that matter. Please limit your comments to three (3) minutes or less.
3. **PLUMAS WATERSHED FORUM**
 - A. Presentation by Rob Wade: Watershed Education – Feather River Watercourse
 - B. Annual Report
 - C. Budget Reports: 2004/2005 and proposed 2005/2006
 - D. Administrative Policy
 - E. Unspent Funds Policy / Cost Share Policy
 - F. Report and Update by DWR on the Status of the New Monterey Agreement EIR
 - G. 2006: Schedule for Project Solicitation and Review
 - H. Schedule Next Meeting of the Plumas Watershed Forum

ADJOURNMENT

**PLUMAS COUNTY FLOOD CONTROL AND WATER CONSERVATION DISTRICT
PLUMAS WATERSHED FORUM
COUNTY OF PLUMAS, STATE OF CALIFORNIA**

**MEETING OF THE PLUMAS WATERSHED FORUM
COUNTY OF PLUMAS, STATE OF CALIFORNIA
HELD IN QUINCY ON OCTOBER 25, 2005**

1. INTRODUCTIONS

The Forum convenes at 10:00 a.m. with Plumas County Supervisors Rose Comstock, Bill Powers, Robert Meacher, Ole Olsen and Chairman William Dennison present. Members from the Department of Water Resources include Dwight Russell. Members from the State Water Contractors include John Coburn, Tim Quinn, and David Okita. Tom Hurlbutt is absent.

2. PUBLIC COMMENT OPPORTUNITY

None.

3. PLUMAS WATERSHED FORUM

WATERSHED EDUCATION – FEATHER RIVER WATERCOURSE

Robert Wade, Project Coordinator for Plumas Unified School District is present and thanks the Forum for their financial contribution for watershed education. Mr. Wade and students from the 6th Grade Class of Quincy Elementary School take the Forum on a tour of the Feather River Watercourse by presentation of a slide show and comments from the students. Approximately 200 6th graders from Plumas County enjoyed learning about the Feather River watershed by traveling from Plumas County to the Pacific Ocean.

ANNUAL REPORT

Following discussion, motion is made by Forum member Rose Comstock, seconded by Forum member Bill Powers and unanimously carried to approve the Annual Report of the Plumas Watershed Forum for project activities from June 2003 through October 01, 2005. The report covers Forum activities and accomplishments, and expenditures approved by the Forum or Board of Directors of the Plumas County Flood Control and Water Conservation District. At the request of the Forum, all meeting agendas and minutes shall be added to the Annual Report.

The Forum thanks and commends Karen Oglesby for her work on the Annual Report.

BUDGET REPORTS – FY 2004/2005 AND PROPOSED FY 2005/2006

Following discussion by Forum members, motion is made by Forum member Tim Quinn, seconded by Forum member Rose Comstock and unanimously carried to approve the Budget Reports for FY 2004-2005 and the proposed Budget Reports for FY 2005-2006 as submitted and with amendments to include more detailed information under Professional Services and re-name the Contingency line item following a meeting with the County Auditor/Controller. Amendments shall be referred back to the Forum for approval.

Sierra Valley Flood Plain Study

Plumas County continues to work with Army Corps to obtain funding for the Sierra Valley flood plain study. Total cost for the study is estimated at \$488,000. Tom Hunter, Director of Plumas County Flood Control District reports that no funding has been secured. On May 23, 2005 the Forum agreed to reallocate \$488,000 of majority “A” funds allocated towards the Sierra Valley Flood Plain Study to the reconstruction of the Lake Davis Water Treatment Facility. Target for reconstruction of the Treatment Facility is 2006.

Forum members Rose Comstock and Ole Olsen believe that the funding allocated for the Sierra Valley Flood Plain Study is imperative and should be allocated back to the majority “A” funds to fund the project. Following discussion by Forum members and reference to the minutes from May 23, 2005, the Forum agreed to re-consider funding for the Sierra Valley Flood Plain Study and further agreed that the request shall follow the application process.

ADMINISTRATIVE POLICY

Motion is made by Forum member David Okita, seconded by Forum member Dwight Russell and unanimously carried to approve the Project Administration Policy as presented. The subject policy has been reviewed by County Counsel.

UNSPENT PROJECT FUND POLICY

Motion is made by Forum member Bill Powers, seconded by Forum member Tim Quinn and unanimously carried to approve the Unspent Project Fund Policy as presented.

COST SHARE REDUCTION POLICY

Motion is made by Forum member Dwight Russell, seconded by Forum member Tim Quinn and unanimously carried to approve the Cost Share Reduction Policy as presented.

STATUS OF MONTEREY AGREEMENT ENVIRONMENTAL IMPACT REPORT

Forum member, Dwight Russell, representing the Department of Water Resources gives a report and update on the status of the new Monterey Agreement Environmental Impact Report. The Draft Environmental Impact Report will be available to the public by June 30, 2006. Following discussion, Forum member Robert Meacher confirms that there is verbiage within the Settlement Agreement that does allow for the continued funding to Plumas County Flood Control and Water Conservation District with the approval of the State Water Contractors.

2006 PROJECT SOLICITATION AND REVIEW

Motion is made by Forum member Dwight Russell, seconded by Forum member Robert Meacher and unanimously carried to approve the Project Solicitation and Review Schedule for 2006 as presented.

NEXT MEETING OF PLUMAS WATERSHED FORUM

The next meeting of the Plumas Watershed Forum is scheduled for May 23, 2006 at 10:00 a.m. in Quincy, California.

ADJOURNMENT

The Forum adjourns at 12:30 p.m. to meet again on May 23, 2006 at 10:00 a.m. in Quincy, California.

Chairman of the Flood Control District

ATTEST:

Clerk

**PLUMAS COUNTY FLOOD CONTROL AND WATER CONSERVATION DISTRICT
PLUMAS WATERSHED FORUM
COUNTY OF PLUMAS, STATE OF CALIFORNIA**

**AGENDA FOR MEETING OF MAY 23, 2006 TO BE HELD AT 10:00 A.M. AT THE WORK
CONNECTION CONFERENCE ROOM, 1953 EAST MAIN STREET, QUINCY, CALIFORNIA**

ROBERT MEACHER, CHAIRMAN
NANCY L. DAFORNO, CLERK

www.countyofplumas.com

AGENDA

1. 10:00 A.M. **INTRODUCTIONS**
2. **PUBLIC COMMENT OPPORTUNITY**
Any member of the public may address the Forum on matters which are within the jurisdiction of the Forum. If you are addressing the Forum regarding a matter listed on the agenda, you are requested to hold your comments until the Forum takes up that matter. Please limit your comments to three (3) minutes or less.
3. **PLUMAS WATERSHED FORUM**
 - A. Status of Existing Projects
 - B. Report and Update on Financial Situation for Watershed Forum Funding
 - C. Overview and Discussion of Tour Held May 15, 2006
 - D. 2006 Project Proposals and Recommendations for Funding by the CORE Technical Advisory Committee
 - E. Forum Approval of 2006 Projects
 - F. Update Watershed Forum Bylaws
 - G. Schedule Next Meeting of the Plumas Watershed Forum

ADJOURNMENT

**PLUMAS COUNTY FLOOD CONTROL AND WATER CONSERVATION DISTRICT
PLUMAS WATERSHED FORUM
COUNTY OF PLUMAS, STATE OF CALIFORNIA**

**MEETING OF THE PLUMAS WATERSHED FORUM
HELD IN QUINCY ON MAY 23, 2006**

1. INTRODUCTIONS

The Forum convenes at 10:00 a.m. with Plumas County Supervisors Bill Powers, Rose Comstock, William Dennison and Robert Meacher present. Members from the Department of Water Resources include Dwight Russell. Members from the State Water Contractors include David Okita.

2. PUBLIC COMMENT OPPORTUNITY

Dwight Russell, DWR reports that he will continue to work with the Forum after his retirement.

**3. PLUMAS WATERSHED FORUM
STATUS OF EXISTING PROJECTS**

The Forum commends Karen Oglesby for her work on the Watershed Forum website, a portion of the Plumas County Website. Forum members are pleased with the format used for project updates.

WATERSHED FORUM FUNDING

Report and update on financial situation for Watershed Forum Funding. Plumas will receive their fourth payment of \$1m from the Department of Water Resources (DWR) in June 2006.

Motion is made by Forum Member Russell, seconded by Forum Member Dennison and unanimously carried to accept proposal to set aside \$160,000 as specified leaving \$543,000 of "A" funds available to fund projects.

Further discussion is held. Forum Member Dwight Russell confirms that there will be an interruption in funding and recommends Flood Control District not solicit proposals in December 2006. DWR believes they are complying with settlement language by making progress toward getting the EIR document out to the public. The Plumas Flood Control District requests that DWR continue funding while waiting for the EIR document. State Water Project Contractors believe Attorney Antonio Rossman continues to make unreasonable demands in regarding the EIR process. DWR agrees to continue their support of the Upper Feather River through other programs.

PLUMAS WATERSHED FORUM TOUR

Overview and discussion of Tour held on May 15, 2006 in Plumas County. DWR and Contractors agree an on-site visit is beneficial. There is a request for another Tour in October 2006.

PROJECT PROPOSALS FOR 2006

Following discussion, **motion is made by Forum Member Powers, seconded by Forum Member Dennison and unanimously carried to uphold the recommendation of project proposals and recommendations of CORE TAC as follows.**

<u>Project</u>	<u>"A" Funding</u>
Silver Creek – Burney’s	\$ 51,000
Spanish Creek – Kellet’s	\$ 147,000
Ramelli Ditch	\$ 85,000
Little Last Chance Creek	\$ 115,000
Dixie Creek	\$ 56,000
Red Clover Monitoring	\$ 3,000
Ferris Fields	\$ 86,000

AMENDMENT - WATERSHED FORUM BYLAWS

Discussion is held regarding the Watershed Forum Bylaws.

Motion is made by Forum Member Dennison, seconded by Forum Member Powers and unanimously carried to amend the Bylaws, Paragraph 11 – These Bylaws may be amended by unanimous vote of the three participant groups. Updating the names of the specific individual representing each participant group will be done by Plumas Flood Control staff, as directed by each participant group, without Forum approval.

NEXT MEETING OF WATERSHED FORUM

The next meeting of the Plumas Watershed Forum is scheduled for October 24, 2006, Quincy. A Tour, as requested, of Little Last Chance Creek will be held on October 23, 2006.

ADJOURNMENT

The Forum adjourns at 11:50 a.m. to meet again on October 24, 2006.

**PLUMAS WATERSHED FORUM
PLUMAS COUNTY FLOOD CONTROL & WATER CONSERVATION DISTRICT**

**AGENDA FOR
TOUR OF OCTOBER 23, 2006
MEETING OF OCTOBER 24, 2006**

ROBERT MEACHER, CHAIRMAN
NANCY L. DAFORNO, CLERK

www.countyofplumas.com

OCTOBER 23, 2006 - 10:00 A.M. - Public Works, 1834 E. Main Street, Quincy

Note: All members of the Board of Directors have been invited to attend the tour.

10:00 A.M. – Depart Quincy (Plumas County Public Works)

11:30 A.M. – Meet Jim Wilcox, Feather River CRM, at Red Clover Valley to view active restoration work

1:45 P.M. – Ferris Creek (off Last Chance Creek) View restoration work performed at Ferris Flat in 2003 and Ferris Creek in 2004; view work scheduled for 2007

2:30 P.M. – Jordan Flat – View restoration work done in 2005

3:00 P.M. – Begin return trip to Quincy

OCTOBER 24, 2006 - 9:00 A.M. - MINERAL BUILDING, FAIRGROUNDS, QUINCY

1. 9:00 A.M. **INTRODUCTIONS**

2. **PUBLIC COMMENT OPPORTUNITY**

Any member of the public may address the Forum on matters which are within the jurisdiction of the Forum. If you are addressing the Forum regarding a matter listed on the agenda, you are requested to hold your comments until the Forum takes up that matter. Please limit your comments to three (3) minutes or less.

3. **PLUMAS WATERSHED FORUM**

- A. Overview and Discussion of Tour Held October 23, 2006
- B. Annual Report / IRWM Update
- C. Budget Reports: 2005/2006 Expenditures and Proposed 2006/2007 Budget
- D. Report by DWR on the Status of the Monterey EIR
- E. Schedule Next Meeting of the Plumas Watershed Forum

ADJOURNMENT

<p>REASONABLE ACCOMMODATIONS: In compliance with the Americans with Disabilities Act, if you need special assistance to participate in this meeting please contact the Clerk of the Board at (530) 283-6170. Notification 72 hours prior to the meeting will enable the County to make reasonable arrangements to ensure accessibility to this meeting</p>

Part VI
Project Reports

**2006 Annual Progress Report
Forum Project Development and Coordination
(Charles Creek and Hosselkus Creek Funding Agreement)
September 5, 2006**

This is the annual report summary and budget overview for Feather River CRM Coordination (Task 4), under the funding agreement for Watershed Monitoring, FRCRM Coordination (program and project coordination), Hosselkus Creek, and the Last Chance Creek low water crossing project. This report summarizes all work completed for this task. Four quarterly reports and three invoices were submitted for this project from January 2005 through December 2005. The final quarterly report and invoice was sent in January of 2006. Project development work completed for Task 4- FRCRM Coordination included cross sectional surveys and conceptual design development, Technical Advisory Committee meetings to review project design proposals, and continual communication and coordination with landowners and associated stakeholders on the following proposed project areas: Little Last Chance Creek, Big Grizzly Creek, Dixie Creek, Smith Creek, and Long Valley Creek. In addition, LLC landowners were taken on a tour in August of 2005 to see restoration projects implemented by the CRM in the upper Last Chance Creek watershed. This helped them garner a greater understanding of a properly functioning channel.

Thanks to the funding provided through the Plumas Water Forum the development phase of all these projects was accomplished and we were able to complete grant applications for implementation of Smith Creek, Dixie Creek, Long Valley Creek and Little Last Chance Creek projects this spring. The Plumas Water Forum successfully funded Dixie Creek and Little Last Chance Creek projects. Funding through PL-106 Secure Rural Schools was awarded for another area on Little Last Chance Creek and Long Valley Creek. Smith Creek was submitted as part of a larger proposal for the Middle Fork Feather River for Proposition 40 funds. This application made the first review and was recommended for funding in the second round. The CRM will be receiving notice on the outcome of the Prop 40 grant awards by October of 2006. After completion of cross section and GPS surveys on Big Grizzly Creek, CRM staff determined that the site was in relatively good condition. The CRM and Trout Unlimited provided the Grizzly Creek landowner, Sierra Health Foundation, with recommendations to assist them in their goal to offer recreational accessibility to the site.

The following is a breakdown of total costs billed for FRCRM Coordination (Task 4):

Salary and overhead	\$33,601.80
Travel to field	<u>\$ 1,398.20</u>
Total	\$35,000.00

Total cumulative costs for project development and coordination was \$35,000 out of a total budget of \$35,000 (Task 4).

**2006 Annual Progress Report
Forum Watershed Monitoring
(Charles Creek and Hosselkus Creek Funding Agreement)
September 6, 2006**

This is the annual report and budget overview for Watershed Monitoring (Task 5) under the Charles Creek and Hosselkus Creek Project Funding Agreement for Watershed Monitoring, FRCRM Coordination (program and project coordination), Hosselkus Creek, and the Last Chance Creek low water crossing project. This report summarizes all work completed for this task. Five quarterly reports and invoices were submitted for this project from January 2005 through March 2006. The final quarterly report and invoice was sent in April 2006. Monitoring work completed for Task 5- Watershed Monitoring included our subcontractor servicing our permanent continuous monitoring stations at Notson, Flourney, DWR Weir, Wolf Creek, Doyle Crossing, Million Dollar Bridge, Big Flat, and Spanish Creek. Semi-annually servicing includes updating of the station data file (daily, hourly, measurement history and rating); updating the hourly temperature and flow files for data summary; and reconciling measurements with stage shifts and station performance. In addition, equipment maintenance and preparing stations for winter conditions was done. Other work involved CRM staff taking monthly flow measurements at various locations in Indian and American valleys, completing data input and summarizing the information for the annual Watershed Monitoring Report (submitted with the fifth and final quarterly report and given to all members of the Monitoring TAC.), planning and holding the Annual Monitoring Technical Advisory Committee Meeting, attending the State Water Quality Control Board's Non-Point Source Pollution Biannual Conference, and updating monitoring information on the FR-CRM website.

The breakdown of total costs billed for watershed monitoring is as follows:

Salary and overhead	\$21,840.33
Subcontracts	\$ 8,923.14
Supplies & Materials	\$ 2,329.21
Conference Regist.	\$ 150.00
Travel	<u>\$ 1,757.32</u>
Total	\$35,000.00

Final total cumulative costs were \$35,000, out of a total budget of \$35,000 for Task 5 (Monitoring).

**2006 Annual Progress Report
Project Development and Monitoring (Four Creeks)
Funding Agreement 05-150
September 6, 2006**

This is the annual report and budget overview for the Monitoring portion of Funding Agreement 05-150 for Project Development and Monitoring (Four Creeks). This report summarizes all Monitoring work completed to date under this agreement. Two quarterly reports and invoices have been submitted for this project from January 2006 through June 2006. Work accomplished includes working on grant proposals to secure future funding sources for monitoring efforts; completing 2005 data input and summarizing information for the annual 2005 Watershed Monitoring Report; finalizing and printing the 2005 annual Watershed Monitoring Report (which was submitted with the first quarterly report); planning and holding the Annual Monitoring Technical Advisory Committee meeting in April, at which the report was distributed; collecting flow measurements at various locations throughout the Feather River watershed in American, Indian and Mohawk Valleys and inputting data; and updating monitoring information on the Feather River CRM website.

The breakdown of total costs billed for monitoring through June 2006 is as follows:

Salary and overhead	\$19,142.37
Travel	\$ 829.00
Subcontract (high flow mstrmnt./equip repair)	\$ 3,149.16
Equipment Repair/Mtnc.	\$ 1,113.35
Materials/Supplies	<u>\$ 228.77</u>
TOTAL	\$24,462.65

Total cumulative costs to date are \$24,462.65 out of a total budget of \$25,000 for the Monitoring portion of Funding Agreement 05-150.

The high flows of early 2006 required a lot more measurements than our usual once a month visits to each monitoring site. These were the highest flows we have recorded since our data collection began in the late 1990's. Due to these unexpected high flow events and the need to collect this valuable data, we have expended our funds more quickly than anticipated. We currently have a remaining balance of \$537.35 for the Monitoring portion of Funding Agreement 05-150. In order to see the value of those efforts made during the high flow events, the year's flow data from each station needs to be analyzed and then summarized for the 2006 Annual Monitoring Report. To date we have completed quarterly station downloads, monthly and event flow calibrations, and mid-year data correction. However, work remains to be done in order to bring those monitoring efforts to a close for the year. We recently submitted a letter of request for additional funds to complete our monitoring efforts for the 2006 water year. We estimate a need of \$5,800 in additional funding to complete monitoring efforts for 2006. The Plumas Water Forum has generously supported watershed monitoring over the past two years with grant funds. We are making every effort to stretch the Forum's monitoring funds as far as we possibly can. Your consideration of this request is greatly appreciated. We thank-you for your continued support of monitoring efforts within the Feather River Watershed.

2006 Annual Progress Report
Hosselkus II
(Charles Creek and Hosselkus Creek Funding Agreement)
September 5, 2006

This is the annual report and budget update for the Hosselkus Creek (Task 3) project covered under the Charles Creek and Hosselkus Creek Funding Agreement for Watershed Monitoring, FRCRM Coordination (program and project coordination), Hosselkus Creek, and the Last Chance Creek low water crossing projects. This report summarizes all work completed through September 30, 2006 on this project. Five quarterly reports and invoices have been submitted for this project. Work completed on this project includes completing all CEQA and NEPA environmental documentation and processing, submitting applications and receiving permits from the Army Corp of Engineers, State Water Quality Control Board, and California Dept. of Fish & Game, meeting with CDF&G staff to discuss issuance of the Streambed Alteration Permit, re-configuring the conceptual design based on discussion/meetings with the landowner after changes from the 2005-06 high winter flows, holding two field Technical Advisory Committee meetings to review and finalize project design proposals (Feb. 2005 and June 2006), advertising and awarding the construction contract in July of 2006 (the contract was awarded to Hat Creek Construction of Burney, CA). Construction is scheduled to begin October 2, 2006. Due to delays in completing the NEPA process with the U.S. Forest Service, the project timeline was amended in September of 2005 to postpone construction until the fall of 2006. The following is a breakdown of total cumulative costs billed to this project to date:

Salary and overhead	\$ 8,413.29
Travel	\$ 122.24
Permits	\$ 1,297.75
Advertising	\$ 60.00
TOTAL	\$ 9,893.28

Total cumulative costs to date are \$9,893.28, with a remaining balance of \$70,106.72 out of a total budget of \$80,000 for Task 3 (Hosselkus Creek).

**2006 Annual Progress Report
Jordan Flat Project
Funding Agreement 05-175
September 5, 2006**

This is the annual report and budget overview for funding agreement #05-175, for the Jordan Flat Project. Project construction was completed in October 2005. Two quarterly reports and invoices were submitted for this project from June 2005 through December 2005. The final quarterly report and invoice was submitted in January 2006. Work completed on this project consisted of eliminating 1,000 feet of gully on Last Chance Creek and 80 feet at the mouth of Jordan Creek using the pond and plug technique to restore the floodplain function in Jordan Flat meadow. All plugs were revegetated with locally collected native grass seed. In addition, 2.5 miles of fence construction was completed to protect the project area from cattle use. Continued monitoring of the project will occur, as part of our overall program within the Feather River watershed. We will keep you updated as the project area re-vegetates and the restored function of the floodplain re-establishes the meadow hydrology. The breakdown of total costs billed to this project is as follows:

Contract Cost	\$51,000.00
Workforce Cost	\$11,000.00
Monitoring Cost	<u>\$ 1,994.98</u>
Total	\$63,994.98

Total cumulative costs were \$63,994.98, out of a total budget of \$64,000.00.

**2006 Annual Progress Report
Feather River Watershed Public Awareness Campaign
Funding Agreement 05-200
September 5, 2006**

This annual report summarizes work completed for the Feather River Watershed Public Awareness Campaign, Funding Agreement 05-200. Two quarterly reports and invoices have been submitted for this project from October 2005 through June 2006. Work completed to date includes obtaining materials and presenters for the Headwaters Festival held in October 2005, the development of a Feather River Watershed draft information brochure targeted for landowners and community members, working with a graphic designer on the Feather River illustrative watershed map, and holding three outreach and education activities. On May 13, 2006, we partnered with Plumas National Forest at the Children's Faire and presented a hands-on insect booth providing live aquatic insects for close-up viewing, interactive information on how insects see, and helping attendees create take-home glowing insects. The next activity was a community storm drain stenciling project in Portola, in recognition of Watershed Awareness Month on May 20th. This project was very successful, with eighteen volunteers stenciling 51 storm drains. It was a fun and rewarding event for participants with good press coverage. City of Portola and Trout Unlimited were partners in this project. Then on June 17th we presented close up look at live aquatic insects and their adaptations at Birds, Barns and BBQ in Sierra Valley. The breakdown of total costs billed through June 30, 2006 on Funding Agreement 05-200 is as follows:

Contract Preparation	\$ 0.00
Graphic Designers/Printers	\$ 930.18
Project Coordination	\$2,950.00
Festival Presenter Stipends	\$ 950.00
CRM Staff Oversight	\$1,500.00
Material & Supplies	\$ 750.44
Monitoring	\$ 50.00
Other- Travel/Postage	\$ 211.60
Indirect	<u>\$ 164.22</u>
TOTAL	\$7,506.44

Total cumulative costs to date are \$7,506.44 out of a total budget of \$33,668.

Sierra Valley Resource Conservation District

Summary of 2006-2007 Annual Report

Prepared for: Plumas County Audit Department
Prepared by: Miriam Tynan, District Manager, SVRCD
Dated: September 19, 2006

SUMMARY OF WORKPLAN

1. BOARD OF DIRECTORS/OFFICERS

Board of Director's: Gary Romano – Chairperson, Alan Abrams – Vice Chairperson, Treasurer's – Gary Romano and Byrd Harrison, no other changes in Board of Directors.

2. CONTRACTORS

Watershed Coordinator: Gabe Miller, hired in February 2006.

District Manager: Miriam Tynan, hired in October 2005.

3. ACTIVITIES OF 2006

- The SVRCD acted as the HOST AGENCY for the 2006 Annual Sierra Valley Barns, Birds, and Barbecue.
- The District Manager along with WC was able to coordinate with a diverse group of organizations, along with local businesses, and landowners. Some of the accomplishments included:
- Creation of a new SVRCD educational display Board, educating visitors about the SV watershed and that of the RCD as well.
- The event generated over \$1,500 for local ranchers involved, this was not offered last year.
- Over 20 Vendors participated at the Market Place. (examples: DFG booth on endangered species: Sandhill cranes, Weeds Management Group- displayed noxious weed information and Plant specimens, & Feather River CRM display: watershed restoration projects in the area).
- Over 300 visitors attended the event, 274 visitors attended the Sierra Valley Native Plant/Wildflower Walk, the Evening Birdwatch and the five tours of working ranches: Roberti's Ranch, Goss Ranch, Bar One Ranch, Harvey Ranch & Infinity Farm.
- Certified Farmers Market, which sold fresh produce, veggies and demonstrations.
- Showcased local art gallery with over 100 entries of photographs & paintings.
- Provided educational brochures on the local agriculture industry, wildlife and cultural history of the Sierra Valley Watershed.
- Received over \$ 10,000 in donations that sponsored the event, (Sponsorships, donations & at the last minute The High Sierra RCD was able to find us \$2,500.00 in grant funds).
- Over 70 volunteers assisted with the event, which we were very glad to have on our team.
- SVRCD will retain 25% for hosting the event, which offset their labor expenses.

- SVRCD has additionally set aside \$2,600 to help jump start next year's event. The BBB event has finished its second year, and has begun to lay the foundation for a successful track record for agriculture and nature tourism activities in California and other neighboring states.
- The District Manager was able to find an office that saved the SVRCD \$225.00 per month. But, due to the lack of Monterey funds for the year 2007, we will not be able to keep the office. We will have to close the office and, work at home as long as the funds we have secured in our bank account last.
- The SVRCD was able to secure the Land lease Contract with the Department of Fish and Game; this will be money that is much needed by the RCD.
- The SVRCD and the UFRWG are trying to join together to create their own Water Coalition and remove themselves from the Sacramento Valley Water Coalition, and yet meet the States Water Discharge requirements.
- The Watershed Coordinator and The District Manager will be diligently working on securing funds for future grants/projects, which will assist the landowners in the SV. We also hope to be doing work with the elementary schools, and teaching children their importance of their environment and what conservation is all about.
- The current WC began sorting through the previous WC reports and data that was gathered. WC is compiling a workable list of recommendations from SVCRM, and the Watershed Assessment Report. This is the beginning of the first of three phases, which will help structure data & recommendations into a working document; this will ultimately give a clear direction for the SVRCD and begin construction of the Watershed Action Plan. The completion of phase one will be a summary of all the findings from both SVCRM & WAR. Phase II is the inclusion of key information from UCCE & those of USFS out of Tahoe, Department of Fish & Game & Feather River CRM. Phase III will have the completed summaries collected into one file from all the studies done surrounding the Sierra Valley by May of 2007.
 1. Recently approved by the National Sustainable Agriculture Information Service (ATTRA) to provide a workshop on sustainable agriculture for ranchers & farmers in Sierra Valley. Some of the elements covered during September 29, 2006: Provide vital information on Sustainable Beef production
 2. (Certified Organic)
 3. Water monitoring updates from Upper Feather River W. Coalition
 4. Niche marketing (grass-fed)
 5. ATTRA services available
 6. The educational workshop will involve support from UCCE, NRCS, and the FRLT
- The Upper Feather River Watershed Group (UFRWG) continues to face the challenges of coalition requirements and those especially with the revenue that is needed to belong to the Sacramento Valley Water Quality Coalition. Two meetings took place the month of March to discuss possible solutions. The WC discussed methods used to monitor water quality. To facilitate a better understanding of water quality, the WC would be willing assist the group with the purchase of testing equipment, from previous funds obtained through the TRI-

RCD. The SVRCD will purchase equipment to be stored and used for education and informational use on water quality in the SV. The WC recognizes the opportunity to work alongside local Ranchers and has taken steps to research and obtain equipment from other key agencies such as the UCCE & FRCRM. As the meetings continue, needs of the Ag community will present themselves more clearly and WC will be able utilize the information for future project direction and the Watershed Action Plan (WAP)

- The Proposition 50 Agricultural Water Quality Program Grant obtained in 2005 was designed to address the issue of irrigated agriculture lands meeting the water quality requirements set by the RWQCB. In order for the project to be a success the cooperation of variety stakeholders is needed. This provides the WC & District Manager an opportunity to collaborate with participants such as: Upper Feather River Watershed Group, Feather River RCD, Plumas-Sierra Cattlemen's Association, California Cattlemen's Association, Plumas-Sierra Farm Bureau, Plumas-Sierra Ag Commissioner, Plumas-Sierra District Conservationist for USDA Natural Resources Conservation Service, and the Sac Valley Coalition. Currently the WC attended a stakeholder meeting with UCCE, Upper Feather River Watershed Group (UFRWG) and FRRCD. The focus was to see if the UFRWG could use the Prop 50 agreement to meet some of the requirements for the Sacramento Valley's Coalition monitoring for RWQCB's Conditional Ag Discharge Wavier Program. The UFRWG decided to utilize the data collected under the Prop 50 Grant. Once the beginning phase of the Prop 50 Grant gets under way it will begin collecting 4 main desired results: 1) Compilation of comprehensive information on existing irrigation Ag. Operations, and known water quality impacts from those operations, 2) implementation of an ambient water quality monitoring program to better define and understand water quality impacts from irrigation operations, 3) share information collected in 1 & 2 above for the ag. Community, the RWQCB, and other watershed stakeholders in order to facilitate good decision making, and 4) establishment of a process by which individual farm owners/managers can evaluate their current operations, identify problems or concerns, and plan for any needed management improvements. This collection of information will allow the WC to better understand the needs of the Sierra Valley Watershed and apply those into SVRCD action plan.
- The WC participated in NRCS EQUIP meeting to develop new ranking criteria to assist with the selection process for private landowner projects next year. This Local Ranking Criteria was developed by the Local Working Group to address the top 6 locally identified issues affecting ranchers and forested landowners in Plumas and Sierra counties. The WC realizes the importance of EQUIP funds and will create an informational brochure for the local landowners and will add this to list of funding sources.
- Currently the WC is in the process of using EQUIP funds to pursue potential project for next year.



Board of Directors: Phil Noia ♦ Rick Leonhardt ♦ John Schramel ♦ Mike Kossow ♦ Phil Bresciani ♦ David Nelson

July 7, 2006

Watershed Forum
c/o
Dept. of Public Works
1834 E Main St.
Quincy, CA 95971

Subject: PROGRESS REPORT covering 1/1/06 – 6/23/06

For the first half FY 2006, the Feather River Resource Conservation District (FRRCD) has been working on a variety of tasks under the Watershed Forum funds. Below is a summary of tasks done following the outline of budget categories.

Contract Preparation/Development: The FRRCD met with landowners and viewed possible projects to fund. Three landowners were recently selected and approved for project funding out of nine applicants. These projects are to begin when we have finished drafting up our landowner agreement.

Contract Administration/Grant Management: TAC and Forum meetings were attended. Correspondence was made to the Watershed Forum regarding related issues and round two funding. Correspondence took place with current project clients as well as with interested landowners and possible clients. A ranking criteria worksheet was developed for ranking incoming RCD project proposals. A landowner agreement is currently being drafted with the help of a CPA, to be used between the RCD and landowners with RCD projects approved for funding.

Workforce Cost: Secretarial and administrative work done consists of the following:

- Process mail, payroll, prep for meetings, maintain documents and files
- FRRCD Ranking Criteria and Landowner Agreement
- Help landowners with applications and project maps

- Personnel training on budgets and financial reports
- RC&D and RCD cluster meetings
- Grant searches and writing
- FRRCD emblem, project sign, and website
- Proposal solicitation invitation letters, application forms, news articles and brochures
- Project visits, documentation and photo monitoring

Monitoring: Project visits were made to the Kearns property and to Feather River College to obtain photo documentation of project progress. Photos were edited and organized.

Items that the FRRCD plans to charge for before FY 2006 ends are the FRC fencing project, workshop, fair booth, monitoring of projects, publications, reports, and additional secretarial/administrative duties.

Andrea Oilar
Project Manager
Feather River RCD

Plumas Corporation

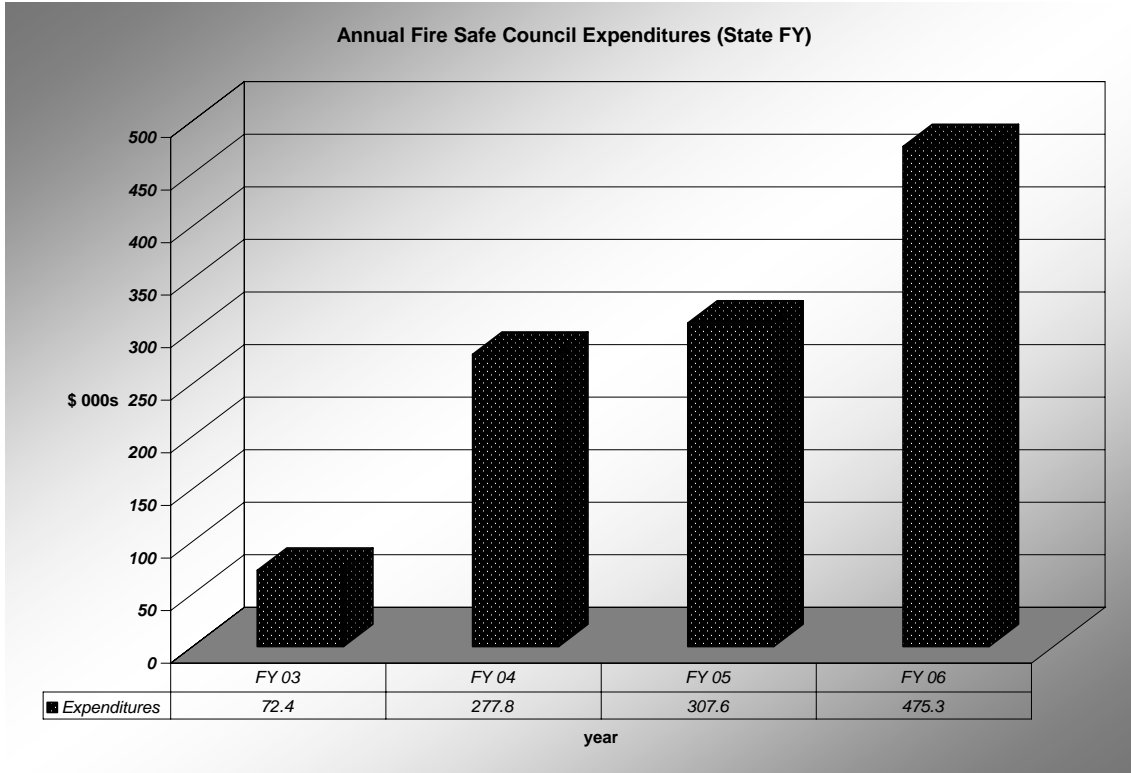
Plumas Watershed Forum Annual Upland Vegetation Report 7/05-6/06

General

Plumas Watershed Forum funds have been used from 7/1/03 through 6/30/06 by Plumas Corporation to carry out activities in a variety of ‘upland vegetation’ program areas. Previous efforts included specific research projects in regards to the stream restoration efforts of the Feather River CRM as well as a deliverables to the Forum of a bibliography of forest thinning scientific literature. During (State fiscal year) 2005-2006, Forum funds continued used as ‘capacity building’ funds for Plumas County Fire Safe Council and Quincy Library Group efforts at Plumas Corporation. In this context, capacity building includes Fire Safe Council coordination and project development. During the ‘05-‘06 year, \$40,471 in Forum funding was expensed. During the 7/03-6/06 period, more than \$101,500 of Forum funds have been expensed for these “Upland Vegetation” purposes.

A. Plumas County Fire Safe Council Activities

The mission of the Plumas County Fire Safe Council (formed in 1998) is:
To reduce the loss of natural and manmade resources caused by wildfire through pre-fire activities. The Fire Safe Council maintains a website with all project information <www.plumasfiresafe.org>. Forum funding has resulted in significant and increasing leveraging of non-Forum resources at the Plumas County Fire Safe Council, since that support began in 2003. Fuels reduction projects on more than 3,000 acres around Plumas County communities are funded and at some stage of implementation. Resources leveraged amount to well over \$3,000,000. The following chart shows those non-Forum expenditures since the work was accelerated in FY ‘03:



Forum funding for this capacity building has resulted in hazardous fuels reduction projects in all areas of the so-called ‘wildland–urban interface’ (WUI) throughout Plumas County. Projects are being planned, are underway or have been completed in every populated area of the county. Currently, project funding is available through 2008, but coordination/development funding has not yet been secured beyond 6/30/07.

**Communities with Plumas County Fire Safe Council Initiated
And Funded Hazardous Fuels Reduction Projects
Underway/Complete
June 2006**

Community	Lead Entity	Adjacent or Extended WUI	Approximate Acres	Status 6/06
Almanor West	PCFSC	A	36	17 complete, 19 in planning
Canyon Dam	PNF	A	900	EA approved.
C Road	PCFSC	A	117	35 acres complete, remainder underway
Camp Layman	PNF	A	50	Complete
Delleker North	PCFSC	A	131	Complete
Eastern Plumas	PCFSC	A	175	In Planning
Genesee Red Clover	PCFSC	A	107	90 % complete
Genesee Red Clover FS	PNF	A	50	In Planning
Grizzly Creek Rd.	PCFSC	E	121	In Planning
Graeagle	PCFSC	A	200	In Planning
Greenhorn	PCFSC	A	30	In Planning
Gold Mountain	PCFSC	A	320	In Planning
Indian Falls	PCFSC	A	40	90 % Complete
LaPorte Pines	PNF	A	75	In Planning
Little Grass Valley	PCFSC	A	111	In Planning
Long Valley	PCFSC	A	160	90 % Complete
Massack	PCFSC	E	160	In Planning
Plumas Eureka	PNF	A	50	Complete
Quincy	PCFSC	A	12	Complete
Whitehawk	PCFSC	E	121	In Planning

The Fire Safe projects have received funding from a number of sources at the local, state and federal levels. This has enabled PCFSC to carry out a wide variety of projects, including educational, individual home defensible space projects, community level thinning projects as well as thinning projects in cooperation with the two local electrical utilities and the USDA Forest Service (cross-jurisdictional projects). Attached to this report is the update on those projects through June 2006. The primary publication during FY 06 was the *Hazardous Fuel*

Reduction Demonstration Final Report, which is attached and also available at <http://www.plumasfiresafe.org/Documents/Demo%20Project%20Rpt.pdf>.

The report details the initial fuel reduction thinning experiences in the WUI, including the outreach efforts, types of projects undertaken, as well as costs and revenues of the various projects.

A recap of the Delleker North project is also attached. That project was completed in the spring of 2006. At 131 acres, is the largest completed by the Fire Safe Council to date. The initial project financial plan was to thin 50 acres for the awarded \$50,000 federal grant (\$1,000 per acre for all costs). 131 acres were actually thinned (\$1,068 per acre). The total expense though 6/29/06 was \$140,000. This was equal to project revenues (including the \$50,000 initial grant). The net cost per acre to the federal treasury was \$382. This project demonstrates the basic cost effectiveness of carrying out such community fire safe activities in this manner in the Sierra, where there are:

- suitable, but not prohibitive, environmental analyses and safeguards,
- excessive trees, leading to unsafe wildfire conditions,
- an adequate supply of relatively smaller (<24" diameter) trees,
- an available, trained and equipped harvesting infrastructure,
- regular terrain and
- available lumber mills and biomass electric generators to purchase the small material.

These revenue producing projects are only a portion of the fuels reduction activities carried out so far. All revenues, to date, have been used in the specific project area where the revenues were generated. There have been no "retained earnings" for future fire safe projects, due to federal contract limitations. Non-revenue generating projects have been carried out at Quincy, Camp Layman, Indian Falls and Plumas Eureka.

B. Quincy Library Group (QLG) Activities

Forum funds were used to continue Plumas Corporation involvement in the variety of efforts surrounding QLG. QLG is the largest ongoing federal fuels reduction effort in the U.S. The intention is to develop a network of Defensible Fuel Profile Zones (DFPZs) or linear thinned areas along roads and ridge tops. This is an initial first step towards making the federal forests more fire resilient. The QLG act, passed in 1998, calls for development of a DFPZ system of approximately 250,000 acres on 2.5 million acre of federal forests on the Lassen, Plumas and Tahoe National Forests. Approximately 100,000 acres have been accomplished to date.

USDA Forest Service continued its implementation of the Herger Feinstein Quincy Library Group Act. The official and unofficial websites describing activities are <www.qlg.org> and <http://www.fs.fed.us/r5/hfqlg/>. Attached is a brief USFS summary of QLG related activity in Federal FYs '05 and '06. 25,000 acres of QLG related forest fuels reduction was accomplished by USFS on the three national forests in federal fiscal year 2005. An additional 58,000 acres

were planned to be accomplished in the fiscal year ending 9/30/06 (as of 1/06). Plumas NF was expected to provide 36,000 of those treated acres.

Three significant developments took place during the 7/05-6/06 period: in the Courts, at the Agencies and most importantly, on- the-ground.

1. Ninth Circuit Upholds Meadow Valley Projects

The Meadow Valley (west of Quincy) thinning project's environmental reviews had been challenged in federal court. In April of 2005, the USFS' environmental analysis had been upheld by the Sacramento District Court. The appeal of that decision was denied by the Ninth Circuit Court (San Francisco) on January 19, 2006. The decision <http://www.qlg.org/pub/miscdoc/mvsuit/1-19-06%20Decision.pdf> found that the Forest Service's environmental review was sufficient and allowed the suite of thinning projects in Meadow Valley to be carried out.

2. US Fish and Wildlife Service Finding on Spotted Owl

The most controversial species of concern in the Sierran forests has been the California Spotted Owl (CASPO). Its condition and success has been the subject of numerous scientific analyses and legal controversies. Under the federal Endangered Species Act, the US Department of Interior's Fish and Wildlife Service is charged with the oversight of terrestrial species, such as the CASPO. The USFWS issued a landmark finding in May of 2006 that the owl should not be on the endangered species list. The 91 page review is at: http://www.qlg.org/pub/miscdoc/Spotted_Owl_Finding.pdf.

The finding was that the owl populations are "stationary" in the Sierra and that fuels reduction work (including QLG activities) can have a beneficial effect on owl survivability.

3. Meadow Valley Thinning Activity

The Meadow Valley sale is a 6,400 acre project surrounding the community of Meadow Valley, west of Quincy. Since the favorable federal court rulings, the Meadow Valley projects have been carried out on approximately 3,000 acres, resulting in significant socioeconomic benefit as well as a more fire resilient and less dense forest. These were the first projects carried out in the QLG area, to date, under the revisions in the Sierra Nevada 'Framework' promulgated by USDA Forest Service in 2004.

Annual Progress Report
For the
Clark's Creek Aspen Enhancement and Ecosystem Restoration Project
Collection Agreement #: 0511-06-CO-003

US Forest Service
Plumas National Forest
Beckwourth Ranger District

Submitted by: Joel Schultz
09/22/06

January 2006 – A progress report and Bill for Collection was submitted to Plumas County Public Works for the amount of \$1,260.13. The bill was for work performed in support of the Clark's Creek Aspen Project. Specifically work performed was for archeology surveys. Copies of timesheets were enclosed showing hours charged to account number NFXN03 for the surveys.

July 2006- A progress report and Bill for Collection was submitted to Plumas County Public Works for the amount of \$239.28. Specifically for work performed on Northern goshawk contract survey preparation. A copy of the timesheet was enclosed showing hours charged to account number NFXN03 for the contract preparation. The contract has been awarded and surveys are currently being conducted.

General Progress – To date we have completed archeology, fish and amphibian surveys. We have completed the first of a two year survey for Northern goshawk. Rare plant surveys are currently being conducted by our botany department. This project has been submitted for Fiscal Year 2007 in the Forest Service's Program of Work database. A Proposed Action is being developed and should go out for public review within the next two months.

On September 1st, we modified the collection agreement (Modification NO.1) to extend the expiration date of the original agreement from November 1, 2006 to June 30, 2008.

Sincerely,

Joel Schultz
Beckwourth District Biologist
836-7160

Feather River College
RIPARIAN PROTECTION PROJECT
Second Annual Progress Report
November 2006

Brief Scope of Work

FRC has been provided funding through the Plumas Watershed Forum to improve the native pasture and wetlands on the campus, while managing livestock. The underlying goal of the project is to improve water quality to Spanish Creek and the riparian habitat, and to offer educational opportunities for FRC students and the community.

Assessment of Project Progress

The majority of project tasks have been completed and are in utilization at this time.

Task Status:

- a. The insulation of culverts has not been completed, but should be completed by the end of December 2006.
- b. We are still working on the drainage system for winter runoff. This work entails ditch construction, and the lining of some ditches with 2" leach rocks, which should be completed Spring 2007.
- c. We completed a pasture condition report in May 2006, which was performed by Natural Resource Conservation Service (NRCS) personnel. They performed a pasture condition assessment on the four of the five pastures currently being used to graze horses at the FRC Horse Facility.
- d. We continue to take chronological photographs to accurately document the condition of our property.
- e. We are continuing with our five-year monitoring of water quality through Henrici Water Lab. Water samples are taken March, June and November. Our first analysis was November 1, 2005. The 2006 Analysis Report will be available December 1, 2006.
- f. We are utilizing the college's 52-acre facility in our new agriculture courses—Ranch Management, Introduction to Agriculture Business, Introduction to Agriculture Structure Technology—to demonstrate pasture and wetlands management, livestock management, and various grazing practices.

Feather River College
RIPARIAN PROTECTION PROJECT
Second Annual Progress Report
November 2006

Statement of Funds

Water sampling and temperature monitoring will continue through November 2007. We plan to complete the culverts in Fall 2006. In Spring 2007 we will begin to plant trees and shrubs along the ditch corridors and weed control. Signage will be installed in Spring 2007.

Allocated Funds	\$92,453.00
Reimbursed to Date	\$90,230.67
Remaining Balance as of Nov. 1, 2006	\$2,222.33
Labor, pasture water system (Ralph Schroeder)	\$200.00
Culvert cost share (NRCS)	\$600.00
Vegetation: trees and shrubs cost share (NRCS)	\$300.00
Signage (Lee Cross)	\$800.00
Contingency for above expenses	\$322.33
Projected Ending Balance as of Nov. 1, 2007	0

Summary to Date

The college is seeing significant improvement to its pasture and wetlands. We are making progress in obtaining useful data for tracking and analyzing the water quality in our watershed. It is our goal to complete the project as per contract by November 1, 2007. However, we will continue to monitor water quality through 2010.

After another year of restricting livestock grazing within our fenced-off areas, we are beginning to see the effectiveness of our "plant" water filtration system through the spread of healthy native vegetation.

We continue to create new and better runoff/drainage systems in our riparian areas that focus on water quality and filtration, primarily filtration of manure from our livestock. We are also concentrating on controlling filtering runoff from other areas of campus such as the Fish Hatchery and the total campus watershed. Our goal is to improve the quality of water that is coming from the college's facility into Spanish Creek.

We are utilizing this watershed project in the college's environmental and agriculture curriculums to demonstrate various best management practices. The monitoring of water and wildlife will be an ongoing permanent practice. We are also continuing to develop our grazing management plan with NRCS Allen Bower, Range Management Specialist.

Plumas Watershed Forum Project Update
Rodgers Creek Road Relocation

Plumas National Forest

October 19, 2006

This project has furthered the effort of the Plumas National Forest to move roads out of the riparian zones of Last Chance Creek and its tributaries. To relocate 3.9 miles of roadway situated adjacent to Rodgers Creek, 1.4 miles of new construction and 1.0 mile of reconstruction were implemented well upslope of the stream. From road 26N15, a new tie road was constructed to join with a reconstructed non-system road and traverse southeast to a segment of 26N15 that was relocated away from Rodgers Creek in 2000. This road construction work was completed in fall 2005.

These new roads will allow the additional decommissioning of 2.2 miles of road that is currently situated within the riparian corridor of Rodgers Creek. In 2006, State of California Off-Highway Motor Vehicle (OHV) Recreation Division restoration grant funds were received to fund the decommissioning work. That work will be performed by Plumas National Forest staff and equipment during the 2007 construction season.

Additionally, this project consisted of 0.8 miles of new road that was constructed upslope of Last Chance Creek, replacing and allowing the obliteration of 0.9 miles of road 26N28 that currently runs through the riparian corridor of Last Chance Creek. That decommissioning work will also be performed during the 2007 construction season using the same State of California OHV restoration grant funds.

All of the \$63,500 of Plumas Watershed Forum funds were expended in 2005 per the application workplan to fund the road construction contract.

Joe Hoffman
Plumas NF Watershed Program Manager

Other Progress Reports

Last Chance Creek Low Water Crossing – U.S. Forest Service

This project raised a primary road crossing Last Chance Creek to help raise and maintain the upstream water table at the level of the meadow. The project also included constructions of a drop structure downstream of the road crossing to stabilize the river channel. Construction was completed in the fall of 2006. The project was jointly funded by the Forum (\$35,000) and the Forest Service (\$40,000).

Ferris Fields – Feather River CRM

This project, which is scheduled for construction in the summer of 2007, will apply the pond and plug technique to 4,500 feet of Last Chance Creek to eliminate gully conditions and connect previously restored segments of the creek.

Between April 1 and June 30, 2006, cross sectional data was collected for the conceptual design. Between July 1 and September 30, 2006, collection of cross sectional data was completed, the data was analyzed, and the final project design was developed and reviewed by staff. Project expenditures through September 30, 2006, were \$7,869.06.

Last Chance Baseflow Monitoring

This project was intended to develop better methods of measuring how much baseflow can be attributed to meadow recharge compared to upland recharge, particularly in relation to stream restoration projects. To overcome the limitations inherent in physical stream flow measurements, this project utilizes environmental tracers to help eliminate problems with probabilistic data noise inherent in physical flow measurements in differentiating between stream water and groundwater. The methods is being tested in three different stream reach settings with varying complexities and varying levels of surface-to-groundwater interaction.

The First Interim Report was submitted in April 2005 and the Second Interim Report was submitted in February 2006. Data collection and analysis is continuing, and the final report is in preparation.

Sierra Valley Groundwater Management District - Aquifer Testing

This project consisted of three aquifer tests to be conducted (1) in the southwestern part of Sierra Valley near Sattley, (2) east of Beckwourth, and (3) north of Loyalton. The three aquifer tests, along with about ten additional aquifer tests performed at different times since 1982, were to be used to determine aquifer characteristics and predict the effects of continued groundwater pumping on groundwater levels in certain areas. Where

well interference is a significant problem, possible mitigating measures include development of well spacing criteria for new wells.

As of January 2006, Ken Schmidt, the contract geohydrologist for the Sierra Valley Groundwater Management District, has reviewed aquifer test results and pump tests collected by his staff, prepared plots of well locations, drawdown, and recovery data, and prepared a draft report.

Red Clover Monitoring

This is a monitoring project conducted by Plumas Geohydrology with the objective of assessing baseflow augmentation due to stream restoration in a meadow that is affected by an adjacent ground water discharge area. The project focuses on Red Clover Valley, which has been the site of a number of past restoration projects, including an expansive Cal-FED funded project that was completed in the fall of 2006.

In March 2006, the contract with Plumas Geohydrology was extended to include additional field data collection in the summer and fall of 2006. The new contract calls for completion of the project and submittal of a final report by the end of September 2007.

Forest Canopy Interception Study

This project is a field study assessing the utility of environmental isotopes in water to determine the effect of forest canopy density on soil moisture abundance and baseflow. The project includes verification and refinement of the results of a 1997 preliminary throughfall field study, using comparatively simple field technology; examining evaporation loss during forest canopy interception and infiltration through forest litter and soil using the naturally occurring environmental isotopes deuterium and oxygen-18 in water; and examining the extent to which the isotope signatures induced by evaporation in the forest canopy and in soil waters can be recognized in baseflow.

Through the middle of 2006, progress on this project includes preparation and setup of throughfall collection stations, collection of throughfall samples, collection of surface water samples, data entry and analysis, photography of canopy densities, isotope sampling and soil core sampling, and laboratory analysis.