

# **Appendix A**

## **Text of the Herger-Feinstein Quincy Library Group Forest Recovery Act**

# Herger-Feinstein Quincy Library Group Forest Recovery Act

Passed October 1998

Title IV

The Herger-Feinstein Quincy Library Group Forest Recovery Act

Sec. 401. Pilot Project for Plumas, Lassen, and Tahoe National Forests to Implement Quincy Library Group Proposal. (a) Definition. -- For purposes of this section, the term “Quincy Library Group-Community Stability Proposal” means the agreement by a coalition of representatives of fisheries, timber, environmental, county government, citizen groups, and local communities that formed in northern California to develop a resource management program that promotes ecologic and economic health for certain Federal lands and communities in the Sierra Nevada area. Such proposal includes the map entitled “QUINCY LIBRARY GROUP Community Stability Proposal”, dated October 12, 1993, and prepared by VESTRA Resources of Redding, California.

(b) Pilot Project Required. --

(1) Pilot Project and Purpose. -- The Secretary of Agriculture (in this section referred to as the “Secretary”), acting through the Forest Service and after completion of an environmental impact statement (a record of decision for which shall be adopted within 300 days), shall conduct a pilot project on the Federal lands described in paragraph (2) to implement and demonstrate the effectiveness of the resource management activities described in subsection (d) and the other requirements of this section, as recommended in the Quincy Library Group-Community Stability Proposal.

(2) Pilot Project Area. -- The Secretary shall conduct the pilot project on the Federal lands within the Plumas National Forest, Lassen National Forest, and the Sierraville District of Tahoe National Forest in the State of California designated as “Available for Group Selection” on the map entitled “QUINCY LIBRARY GROUP Community Stability Proposal”, dated October 12, 1993 (in this section referred to as the “pilot project area”). Such map shall be on file and available for inspection in the appropriate offices of the Forest Service.

(c) Exclusion of Certain Lands, Riparian Protection and Compliance. --

(1) Exclusion. -- All spotted owl habitat areas and protected activity centers located within the pilot project area designated under subsection (b)(2) will be deferred from resource management activities required under subsection (d) and timber harvesting during the term of the pilot project.

(2) Riparian Protection. --

(A) In General. -- The Scientific Analysis Team guidelines for riparian system protection described in subparagraph (B) shall apply to all resource management activities conducted under subsection (d) and all timber harvesting activities that occur in the pilot project area during the term of the pilot project.

(B) Guidelines Described. -- The guidelines referred to in subparagraph (A) are those in the document entitled “Viability Assessments and Management Considerations for Species Associated with Old-Growth Forests in the Pacific Northwest”, a Forest Service research document dated March 1993 and coauthored by the Scientific Analysis Team, including Dr. Jack Ward Thomas.

(C) Limitation. -- Nothing in this section shall be construed to require the application of the Scientific Analysis Team guidelines to any livestock grazing in the pilot project area during the term of the pilot project, unless the livestock grazing is being conducted in the specific location at which the Scientific Analysis Team guidelines are being applied to an activity under subsection (d).

(3) Compliance. -- All resource management activities required by subsection (d) shall be implemented to the extent consistent with applicable Federal law and the standards and guidelines for the conservation of the California spotted owl as set forth in the California Spotted Owl Sierran Province Interim Guidelines or the subsequently issued guidelines, whichever are in effect.

(4) Roadless Area Protection. -- The Regional Forester for Region 5 shall direct that any resource management activity required by subsection (d)(1) and (2), all road building, all timber harvesting activities, and any riparian management under subsection (d)(4) that utilizes road construction or timber harvesting shall not be conducted on Federal lands within the Plumas National Forest, Lassen National Forest, and the Sierraville District of the Tahoe National Forest that are designated as either “Off Base” or “Deferred” on the map referred to in subsection (a). Such direction shall be effective during the term of the pilot project.

(d) Resource Management Activities. -- During the term of the pilot project, the Secretary shall implement and carry out the following resource management activities on an acreage basis on the Federal lands included within the pilot project area designated under subsection (b)(2):

(1) Fuelbreak Construction. -- Construction of a strategic system of defensible fuel profile zones, including shaded fuelbreaks, utilizing thinning, individual tree selection, and other methods of vegetation management consistent with the Quincy Library Group-Community Stability Proposal, on not less than 40,000, but not more than 60,000, acres per year.

(2) Group Selection and Individual Tree Selection. -- Utilization of group selection and individual tree selection uneven-aged forest management prescriptions described in the Quincy Library Group-Community Stability Proposal to achieve a desired future condition of all-age, multistory, fire resilient forests as follows:

(A) Group Selection. -- Group selection on an average acreage of .57 percent of the pilot project area land each year of the pilot project.

(B) Individual Tree Selection. -- Individual tree selection may also be utilized within the pilot project area.

(3) Total Acreage. -- The total acreage on which resource management activities are implemented under this subsection shall not exceed 70,000 acres per year.

(4) Riparian Management. -- A program of riparian management, including wide protection zones and riparian restoration projects, consistent with riparian protection guidelines in subsection (c)(2)(B).

(e) Cost-Effectiveness. -- In conducting the pilot project, Secretary shall use the most cost-effective means available, as determined by the Secretary, to implement resource management activities described in subsection (d).

(f) Funding. --

(1) Source of Funds. -- In conducting the pilot project, the Secretary shall use, subject to the relevant reprogramming guidelines of the House and Senate Committees on Appropriations --

(A) those funds specifically provided to the Forest Service by the Secretary to implement resource management activities according to the Quincy Library Group-Community Stability Proposal; and

(B) year-end excess funds that are allocated for the administration and management of Plumas National Forest, Lassen National Forest, and the Sierraville Ranger District of Tahoe National Forest.

(2) Prohibition on Use of Certain Funds. -- The Secretary may not conduct the pilot project using funds appropriated for any other unit of the National Forest System.

(3) Flexibility. -- Subject to normal reprogramming guidelines, during the term of the pilot project, the forest supervisors of Plumas National Forest, Lassen National Forest, and Tahoe National Forest may allocate and use all accounts that contain year-end excess funds and all available excess funds for the administration and management of Plumas National Forest, Lassen National Forest, and the Sierraville Ranger District of Tahoe National Forest to perform the resource management activities described in subsection (d).

(4) Restriction. -- The Secretary or the forest supervisors, as the case may be, shall not utilize authority provided under paragraphs (1)(B) and (3) if, in their judgement, doing so will limit other nontimber related multiple use activities for which such funds were available.

(5) Overhead. -- The Secretary shall seek to ensure that of amounts available to carry out this section --

(A) not more than 12 percent is used or allocated for general administration or other overhead; and

(B) at least 88 percent is used to implement and carry out activities required by this section.

(6) Baseline Funds. -- Amounts available for resource management activities authorized under subsection (d) shall at a minimum include existing baseline funding levels.

(g) Term of the Pilot Project. -- The Secretary shall conduct the pilot project until the earlier of: (1) the date on which the Secretary completes amendment or revision of the land and resource management plans directed under and in compliance with subsection (i) for the Plumas National Forest, Lassen National Forest, and Tahoe National Forest; or (2) five years after the date of the commencement of the pilot project.

(h) Consultation. --

(1) The statement required by subsection (b)(1) shall be prepared in consultation with interested members of the public, including the Quincy Library Group.

(2) Contracting. -- The Forest Service, subject to the availability of appropriations, may carry out any (or all) of the requirements of this section using private contracts.

(i) Corresponding Forest Plan Amendments. -- Within 2 years after the date of the enactment of this Act, the Regional Forester for Region 5 shall initiate the process to amend or revise the land and resource management plans for Plumas National Forest, Lassen National Forest, and Tahoe National Forest. The process shall include preparation of at least one alternative that --

(1) incorporates the pilot project and area designations made by subsection (b), the resource management activities described in subsection (d), and other aspects of the Quincy Library Group-Community Stability Proposal; and

(2) makes other changes warranted by the analyses conducted in compliance with section 102(2) of the National Environmental Policy Act of 1969 (42 U.S.C. 4332(2)), section 6 of the Forest and Rangeland Renewable Resources Planning Act of 1974 (16 U.S.C. 1604), and other applicable laws.

(j) Status Reports. --

(1) In General. -- Not later than February 28 of each year during the term of the pilot project, the Secretary shall submit to Congress a report on the status of the pilot project. The report shall include at least the following:

(A) A complete accounting of the use of funds made available under subsection (f)(1)(A) until such funds are fully expended.

(B) A complete accounting of the use of funds and accounts made available under subsection (f)(1) for the previous fiscal year, including a schedule of the amounts drawn from each account used to perform resource management activities described in subsection (d).

(C) A description of total acres treated for each of the resource management activities required under subsection (d), forest health improvements, fire risk reductions, water yield increases, and other natural resources-related benefits achieved by the implementation of the resource management activities described in subsection (d).

(D) A description of the economic benefits to local communities achieved by the implementation of the pilot project.

(E) A comparison of the revenues generated by, and costs incurred in, the implementation of the resource management activities described in subsection (d) on the Federal lands included in that pilot project area with the revenues and costs during each of the fiscal years 1992 through 1997 for timber management of such lands before their inclusion in the pilot project area.

(F) A proposed schedule for the resource management activities to be undertaken in the pilot project area during the 1-year period beginning on the date of submittal of the report.

(G) A description of any adverse environmental impacts from the pilot project.

(2) Limitation on Expenditures. -- The amount of Federal funds expended on each annual report under this subsection shall not exceed \$125,000.

(k) Final Report. --

(1) In General. -- The Secretary shall establish an independent scientific panel to review and report on whether, and to what extent, implementation of the pilot project under this section achieved the goals stated in the Quincy Library Group-Community Stability Proposal, including improved ecological health and community stability. The membership of the panel shall reflect expertise in diverse disciplines in order to adequately address all of those goals.

(2) Preparation. -- The panel shall initiate such review no sooner than 18 months after the first day of the term of the pilot project under subsection (g). The panel shall prepare the report in consultation with interested members of the public, including the Quincy Library Group. The report shall include, but not be limited to, the following:

(A) A description of any adverse environmental impacts resulting from implementation of the pilot project.

(B) An assessment of watershed monitoring data on lands treated pursuant to this section. Such assessment shall address the following issues on a priority basis: timing of water releases; water quality changes; and water yield changes over the short- and long-term in the pilot project area.

(3) Submission to the Congress. -- The panel shall submit the final report to the Congress as soon as practicable, but in no case later than 18 months after completion of the pilot project.

(4) Limitation on Expenditures. -- The amount of Federal funds expended for the report under this subsection, other than for watershed monitoring, shall not exceed \$350,000. The amount of Federal funds expended for watershed monitoring under this subsection shall not exceed \$175,000 for each fiscal year in which the report is prepared.

(l) Relationship to Other Laws. -- Nothing in this section exempts the pilot project from any Federal environmental law.

(m) Loans for Demonstration Projects for Wood Waste or Low-Quality Wood Byproducts.-

(1) Evaluation of Loan Advisability. -- The Alternative Agricultural Research and Commercialization Corporation established under section 1658 of the Food, Agriculture, Conservation, and Trade Act of 1990 (7 U.S.C. 5902) (in this section referred to as the "Corporation") shall evaluate the advisability of making commercialization assistance loans under section 1661 of such Act (7 U.S.C. 5905) to support a minimum of 2 demonstration

projects for the development and demonstration of commercial application of technology to convert wood waste or low-quality wood byproducts into usable, higher value products.

(2) Location of Demonstration Projects. -- If the Corporation determines to make loans under this subsection to support the development and demonstration of commercial application of technology to convert wood waste or low-quality wood byproducts into usable, higher value products, the Corporation shall consider making one loan with regard to a demonstration project to be conducted in the pilot project area and one loan with regard to a demonstration project to be conducted in southeast Alaska.

(3) Eligibility Requirements. -- To be eligible for a loan under this subsection, a demonstration project shall be required to satisfy the eligibility requirements imposed by the Corporation under section 1661 of the Food, Agriculture, Conservation, and Trade Act of 1990 (7 U.S.C. 5905).

Sec. 402. Short Title. Section 401 of this title may be cited as the “Herger-Feinstein Quincy Library Group Forest Recovery Act”.





# **Appendix B**

## **A Brief History of the Herger-Feinstein Quincy Library Group Pilot Project**

## **Herger-Feinstein Quincy Library Group Forest Recovery Act Background**

In October 1998, Herger-Feinstein Quincy Library Group Forest Recovery Act (HFQLG Act) became law as part of the Department of the Interior and Related Agencies Appropriations Act. The HFQLG Act requires the Forest Service to conduct a pilot project on the Lassen and Plumas National Forests, and Sierraville District of the Tahoe National Forest. The Pilot Project area covers approximately 1.5 million acres in the three national forests and is designed to test and demonstrate the effectiveness of fuels and vegetation management activities to meet ecologic, economic, and fuel reduction objectives. These activities include fuelbreaks, group selection, and individual tree selection (ITS). A Record of Decision (ROD) and the Final Environmental Impact Statement (FEIS) for Pilot Project implementation were released in August 1999. The Record of Decision implementing the HFQLG legislation:

- Treats 40,000 to 60,000 acres annually through the creation of fuelbreaks called Defensible Fuel Profile Zones (DFPZs); and 8,700 acres per year through small group selection harvest.
- Estimates the pilot project will produce 286 million board feet (MMBF) annually of sawtimber and 227,000 bone dry tons (317,800 ccf) of biomass.
- Protects streamside and aquatic ecosystems within the Pilot Project area through the use of Scientific Analysis Team guidelines for riparian and watershed protection.
- Provides guidelines that address important environmental concerns, such as species viability and measures designed to protect California spotted owl habitat.

The Sierra Nevada Forest Plan Amendment (SNFPA) was approved in January 2001. This decision restricted implementation of some HFQLG treatments. Quincy Library Group (QLG) subsequently filed a lawsuit in March 2003 against the Forest Service, seeking to set aside the SNFPA decision. This lawsuit was dropped after the release of the Sierra Nevada Supplemental EIS and ROD signed January 2004, which allowed for full implementation of the HFQLG Pilot Project.

In response to a lawsuit filed by Californians for Alternatives to Toxics concerning the DFPZs, the Forest Service prepared a Supplemental EIS and ROD signed July 2003 addressing DFPZ maintenance. This maintenance is now analyzed for every project.

Authorization for an Administrative Study is included in the decisions. The intent of the Study, led by Pacific Southwest Research Station scientists, is to examine the effects of silvicultural treatments, including group selection provisions, of HFQLG on California spotted owl habitat and population dynamics.

### **Current Situation**

**A five-year extension** to the HFQLG Pilot Project was included in the FY03 Interior and Related Agencies Appropriations Act. The new termination date is scheduled for the end of FY99.

**Pilot Project Accomplishments** – Between FY99 and FY04, the Pilot Project accomplished 165 vegetation management projects consisting of 119,218 acres of DFPZs; 5,032 acres of group

selection; and 1,991 acres of individual tree selection. Riparian restoration occurred on 3,400 acres.

**Full Implementation** – Annual funding at \$43.8 million would allow for full implementation, and produce approximately 378,000 CCF (or 189 MMBF) and treat 68,800 acres. Congressional funding has been \$26.2 million annually. In FY2005, an additional \$4.8 million was made available from agency carryover in prior years. Costs for planning and implementation have increased from the original estimates in the HFQLG EIS due to inflation and litigation.

**HFQLG Projects Under Litigation** – In October 2004, the Sierra Nevada Protection Campaign and two other environmental groups filed a lawsuit against the Meadow Valley Environmental Assessment (Plumas National Forest) in the Eastern District Court. The Court ruled in favor of the Forest Service and the Meadow Valley Project was allowed to proceed. An appeal was filed this summer in the 9<sup>th</sup> Circuit Court and is currently pending. Implementation of several projects across the Pilot Project area have been affected by current litigation related to Categorical Exclusions, notice and comment, and appeal regulations.



# **Appendix C**

## **Fiscal Year 2005 Project Specific Expenditures**

<b>Lassen National Forest</b>					
<b>FY05 HFQLG Pilot Project Expenditures</b>					
<b>Project Name</b>	<b>Personnel Cost</b>	<b>Travel Transfer-of-Station</b>	<b>Contract/ Material/ Supplies</b>	<b>Fleet</b>	<b>Total</b>
44 CAL	600	0	0	0	600
44 HOG	7,467	0	0	23	7,490
44 HOLLOW	48	0	0	0	48
44 LONG	25,896	0	0	1,137	27,033
ASPEN ASSEMENT	65,376	2,014	15,692	2,322	85,405
ASPEN ENHANCEMENT	65,496	843	2,375	2,016	70,731
BACKBONE	455,489	34,274	209,152	36,330	735,245
BATTLE	38,327		6,556	645	45,527
BIZZ	32,187	0	40	2,068	34,295
BLACKS	192,518	968	215,832	10,331	419,650
BRIDGE	577			37	614
BUGLE	26,426	852	2,990	1,190	31,458
BULL	155,732	913	25,120	2,364	184,129
BUZZARD	57,225	3,023	38,258	3,195	101,701
CABIN	14,193	0	23	0	14,215
CALDERA	50,914	0	33,065	2,385	86,364
CAMP TEN	14,345			2,121	16,466
CAMPBELLS	41,749	12,734	30,525	5,737	90,744
CASTLE	106,066	1,782	112,275	7,498	227,620
CHAMPS/GOOCH	712	0	722	0	1,435
CHERRY HILL	2,900	0	0	1,750	4,650
CREEKS	472,046	2,632	152,440	12,658	639,777
DEEP RED	81,482	1,751	50,044	6,844	140,121
DEER CREEK	19,562	0	3,986	185	23,733
DFPZ	129	0	1,944	0	2,073
EBBY	214,396	9,700	45,462	11,501	281,059
ELK	28,490			1,113	29,602
FOX FARM	130,804	965	3,713	5,998	141,479
GOOCH	218,031	8,028	66,037	17,198	309,294
GORDON	76,200	1,465	533	5,562	83,758
HUMBOLDT	15,926	2,498	28,238	5,352	52,014
JACKS	998	0	0	0	998
KONOS	11,473	0	0	0	11,472
KYBOS	157,303	3,532	53,096	6,530	220,461
LAKE JONES	9,411	976	997	1,767	13,150
LITTLE HARVEY	1,415	0	9,721	0	11,136
LYONS	235,655	678	6,918	19,077	262,328

<b>Lassen National Forest</b>					
<b>FY05 HFQLG Pilot Project Expenditures</b>					
<b>Project Name</b>	<b>Personnel Cost</b>	<b>Travel Transfer-of-Station</b>	<b>Contract/ Material/ Supplies</b>	<b>Fleet</b>	<b>Total</b>
MCKENZIE	83,381	285	369	5,215	89,250
MINERAL	37,477		116,374	1,677	155,528
NORTH 49	401,682	6,571	191,906	34,466	634,624
NORTH COBLE	47,197	663	288	4,333	52,479
NORTH DUSTY	210	0	0	0	210
PAN HANDLE	59,895	0	855	12	60,761
PATTERSON	48,868	1,548	41	6,238	56,695
PEGLEG	3,837	0	0	0	3,837
PITTVILLE	128,929		204	2,109	131,243
PRATTVILLE	504				504
PROGRAM MANAGEMENT	310,151	37,800	14,842	6,727	369,521
RAILROAD	78,826	1,630	16,564	7,000	104,019
RAVINE	35,552	2,332	799	1,175	39,857
ROBBERS	50	0	758	23	831
ROCKY ASPEN	3,169	0	9,767	0	12,936
ROUND	99	0	147	0	245
RUFFA	51,667	443	46,578	3,261	101,949
SCOUT CAMP	39,809	0	0	550	40,359
SHOOTER	8,057	0	29,655	0	37,712
SIGNAL	76,717	1,112	1,611	2,670	82,109
SILVER	13,087	0	22,528	550	36,165
SOUTH BUNCH	188,827	6,092	99,573	22,755	317,247
SOUTH SIDE	7,187	0	0	0	7,188
SOUTH STATION	208,401		511,264	7,839	727,503
SUMMITT	64,537	225	0	6,661	71,423
SUSAN RIVER	57,889	6,271	38,469	9,386	112,015
SWAIN	248	0	0	0	248
T-REX	8,531	0	428	0	8,959
URSA	34,078	0	5,217	824	40,119
WARNER	19,097	0	187	1,949	21,234
NORTH CRATER WEST	21,150	981	0	1,468	23,599
WEST DUSTY	3,765	0	0	970	4,735
WEST SHORE	8,659	0	1,836	1,148	11,644
WHITE HORSE	263	0	21,741	0	22,004
YOUNG PINE	77,446	2,787	735	7,068	88,037
<b>TOTAL</b>	<b>5,880,021</b>	<b>205,091</b>	<b>2,393,577</b>	<b>341,433</b>	<b>8,820,115</b>

Dollars have been rounded.

<b>Plumas National Forest</b>					
<b>FY05 HFQLG Pilot Project Expenditures</b>					
<b>Project Name</b>	<b>Personnel Cost</b>	<b>Travel Transfer-of-Station</b>	<b>Contracts/ Materials/ Supplies</b>	<b>Fleet</b>	<b>Total</b>
ANTLOPE BORDER	11,773	0	0	1,674	13,447
ASPEN ENCHANCEMENT	8,480	81	653	2,577	11,790
BALD MOUNTAIN	234,401	24,532	45,387	14,039	318,359
BALD ONION	18,268		33	2,122	20,423
BASIN	136,011	7,013	103,825	15,495	262,344
BECK WATER ANALYSIS	12,089	81	883	616	13,669
BERRY CREEK	369	0	0	1,109	1,478
BIG BEND	0	0	0	564	564
BLAKEMORE	0	0	98	0	98
BRUSH CREEK	80,272	661	80,532	4,931	166,396
BUCK	1,919	0	100	0	2,019
CRYSTAL	44,614	336	18,802	9,514	73,267
CUT-OFF	11,529	475	14,741	2,334	29,079
DIAMOND	336,411	15,069	977,111	16,519	1,345,111
DOTTA	1,840	0	7	727	2,574
EMPIRE	1,095,007	73,693	1,106,408	36,991	2,312,099
FLEA	221,039	43,474	359,032	12,520	636,065
FREEMAN	285,117	76,647	93,091	15,175	470,031
GREENFLAT	26,525	0	461	5,425	32,410
GRIZZ	127,276	16,783	435,641	1,715	581,415
HAPPY JACK	528,680	9,126	36,648	26,023	600,475
HASKINS OAK	0	0	0	3,670	3,670
HUMBUG	30,634	553	879	4,731	36,798
HUNGRY	9,310	0	964,762	710	974,782
INGALLS	0	0	11,131	2,024	13,155
JURA	34,260	637	3,452	1,754	40,103
KINGSBURY RUSH	62,548	992	4,922	1,991	70,452
LAST CHANCE	44,139	547	352,529	6,109	403,323
LOWER SLATE	40,201	0	22,040	2,149	64,390
LUCKY S	425	0	0	0	425
MABIE	84,477	775	187,034	11,258	283,544
MEADOW VALLEY	206,535	10,896	24,100	13,435	254,967
MYLF STUDY	4,812	0	85,448	282	90,542
POISON	6,153	0	1,134	7,223	14,510
PROJECT MANAGEMENT	441,435	54,956	522,256	3,908	1,022,556
RAPID ASSESSMENT	311	0	0	928	1,239



<b>Plumas National Forest</b>					
<b>FY05 HFQLG Pilot Project Expenditures</b>					
<b>Project Name</b>	<b>Personnel Cost</b>	<b>Travel Transfer-of-Station</b>	<b>Contracts/ Materials/ Supplies</b>	<b>Fleet</b>	<b>Total</b>
RED CLOVER	37,548	2,070	14,719	4,547	58,882
RED MT ARKANSAS	6,010	0	0	648	6,658
RIDGE	0	0	0	71	71
RODGERS	10,613	459	33,369	932	45,374
ROSS	22,482	0	1,595	6,265	30,343
SCHNEIDER	17,620	0	13,601	2,400	33,621
SLAPJACK	635,367	41,840	357,137	22,066	1,056,409
SOUTH FORK	12,273	0	25,613	1,745	39,631
SPANISH CAMP	59,749	0	641	2,885	63,276
STONEY RIDGE	19,891	0	0	2,382	22,275
STRAWBERRY	101,732	457	399,837	5,537	507,563
SUGAR	228,840	40,139	506,170	20,619	795,768
UPPER INDIAN CREEK	1,875	0	0	738	2,613
UPPER SLATE	19,735	0	15,467	1,666	36,868
WATDOG	490,865	14,792	234,850	14,543	755,051
WATERS	44,383	106	1,500	4,794	50,783
<b>TOTAL</b>	<b>5,855,843</b>	<b>437,190</b>	<b>7,057,639</b>	<b>322,080</b>	<b>13,672,755</b>

Dollars have been rounded.

<b>Sierraville Ranger District of the Tahoe National Forest</b>					
<b>FY05 HFQLG Pilot Project Expenditures</b>					
<b>Project Name</b>	<b>Personnel Cost</b>	<b>Travel Transfer-of-Station</b>	<b>Materials/Contracts/Supplies</b>	<b>Fleet</b>	<b>Total</b>
BASQUE	0	0	606	0	606
BEAK	13,288	627	8,331	0	22,246
BITS	10,410	541	24	1,129	12,103
BOSQUE	16,221	0	2,490	223	18,934
CAMINO	49,629	0	3,063	6,730	59,421
CHECKMATE	146,690	1,834	2,924	4,087	155,535
CLAW	21,561	362	3,133	1,658	26,714
EASTFORK FOLCHI	16,437	221	2,202	446	19,306
EURO	45,614	768	80,934	7,315	134,631
FLETCHER	5,489	0	145	5,266	10,900
FRANC	64,554	225	1,291	1,674	67,744
HOTSPRINGS	5,272	949	62	0	6,283
JADE	0	0	0	3,245	3,245
LAHONTAN	23,054	0	0	2,640	25,693
LIRA	108,978	60	12,506	3,666	125,209
MANO	0	0	68	0	68
MARMALADE	0	0	165	0	165
MASTICONDO	633	0	0	0	633
MERRIL DAVIES	12,399	0	16,649	669	29,717
MONTEZ	5,474	0	0	0	5,474
PEARL	0	0	318	0	318
PERAZZO	18,796	933	2,398	1,618	23,745
PIECES	8,821	0	25	1,442	10,288
ROOK	128,053	0	14,806	8,590	151,449
SIERRA BROOKS	0	0	83,040	0	83,040
SIERRAVILLE UB	11,293	0	1,818	932	14,043
SKIPPY	25,641	0	2	2,714	28,358
SMITHNECK	8,412	0	9,897	446	18,755
STEWART	0	0	208	0	208
TORO	33,154	1,901	404,872	2,464	442,390
TRANSITION	341,546	22,483	103,714	16,780	484,522
TRELA	60,769	2,556	5,043	9,084	77,452
VACA	7,772	0	0	0	7,772
WHEELER	3,081	0	0	0	3,081
ZINGRIA	58,920	0	1,459	110	60,489
<b>TOTAL</b>	<b>1,258,289</b>	<b>33,944</b>	<b>977,048</b>	<b>82,928</b>	<b>2,352,205</b>

Dollars have been rounded.

<b>HFQLG STAFF</b>					
<b>FY05 HFQLG Pilot Project Expenditures</b>					
<b>Project Name</b>	<b>Personnel Cost</b>	<b>Travel Transfer-of-Station</b>	<b>Materials/Contracts/Supplies</b>	<b>Fleet</b>	<b>Total</b>
ANNUAL REPORT	2,181	0	0	0	2,181
HFQLG MONITORING	533,743	8,252	329,818	16,519	888,331
IMPLEMENTATION STAFF	297,997	9,911	14,349	854	323,111
<b>TOTAL</b>	<b>833,921</b>	<b>18,163</b>	<b>344,167</b>	<b>17,373</b>	<b>1,213,623</b>

Dollars have been rounded.



# **Appendix D**

## **Program of Work**

**Fiscal Year 2005**

**Fiscal Year 2006 (As of February 2006)**

**Fiscal Years 2007 through 2009 (As of February 2006)**

FY05 HFQLG Accomplished Program of Work							
Forest	Appr. DFPZ Ac.	Appr. Burn Ac.	Appr. GS Ac.	Appr. ITS Ac	Appr. Sawlog CCF	Appr. Biomass CCF	
Lassen	8,745	2,272	439	1,225	55,678	81,778	
Plumas	6,570	1,017	1,353	1,102	79,374	35,205	
Tahoe	2,277	192			2,334	5,943	
<b>Pilot Project</b>	<b>17,592</b>	<b>3,481</b>	<b>1,792</b>	<b>2,327</b>	<b>137,386</b>	<b>122,926</b>	

FY06 HFQLG Proposed Vegetation Program of Work								
Forest	Proposed DFPZ Ac.	Proposed BURN Ac.	Proposed ITS Ac.	Proposed GS Ac.	Total Ac.	Est. Sawlog CCF	Est. Biomass CCF	Total CCF
Lassen	10,736	850	587	1,284	13,457	67,436	54,565	122,001
Plumas	13,607	2,525	2,804	1,107	20,043	87,365	88,271	175,636
Tahoe	3,304	726	121	183	4,334	18,399	11,852	30,251
<b>Pilot Project</b>	<b>27,647</b>	<b>4,101</b>	<b>3,512</b>	<b>2,574</b>	<b>37,834</b>	<b>173,200</b>	<b>154,688</b>	<b>327,888</b>

FY07 HFQLG Outyear Vegetation Program of Work								
Forest	Proposed DFPZ Ac.	Proposed BURN Ac.	Proposed ITS Ac.	Proposed GS Ac.	Total Ac.	Est. Sawlog CCF	Est. Biomass CCF	Total CCF
Lassen	21,331	1,915	3,367	2,133	28,746	110,664	72,943	183,607
Plumas	14,992	7,110	10,601	4,074	36,777	140,900	75,125	216,025
Tahoe	1,045	0	100	125	1,270	4,825	8,125	12,950
<b>Pilot Project</b>	<b>37,368</b>	<b>9,025</b>	<b>14,068</b>	<b>6,332</b>	<b>66,793</b>	<b>256,389</b>	<b>156,193</b>	<b>412,582</b>

FY05 HFQLG Program of Work Accomplishments										
PROJECT	FOREST	DISTRICT	AAA F.Y.	Appr. DFPZ Ac.	Appr. Burn Ac.	Appr. GS Ac.	Appr. ITS Ac	Appr. Sawlog CCF	Appr. Biomass CCF	Contract Type
CASTLE	Lassen	Almanor	2005	383	0	146	321	16,473	10,346	TS
YELLOW	Lassen	Almanor	2005	615	0	173	489	14,425	11,747	TS
URSA DFPZ	Lassen	Almanor	2005	228	0	95	415	7,950	1,947	TS
PANHANDLE DFPZ	Lassen	Almanor	2005	275	0	25	0	3,915	2,992	TS
LYONS DFPZ VM	Lassen	Eagle Lake	2005	1,554	0	0	0	7,466	16,968	TS
MCKENZIE DFPZ VM	Lassen	Eagle Lake	2005	16	0	0	0	317	253	TS
KYBOS DFPZ VM	Lassen	Eagle Lake	2005	1,436	0	0	0	2,130	6,128	TS
RAILROAD DFPZ VM	Lassen	Eagle Lake	2005	708	0	0	0	2,557	4,863	TS
DOW/SIGNAL UNDERBURN	Lassen	Eagle Lake	2005		544	0	0	0	0	FA
T-REX FUELS REDUCTION	Lassen	Eagle Lake	2005	185	0	0	0	0	0	FA
GORDON UNDERBURN	Lassen	Eagle Lake	2005		928	0	0	0	0	FA
STATION #2 PCT	Lassen	Hat Creek	2005	1,531	0	0	0	445	26,534	STS
BLACKS RIDGE MAST	Lassen	Hat Creek	2005	500	0	0	0	0	0	SC
PITTVILLE DFPZ	Lassen	Hat Creek	2005	50	0	0	0	0	0	FA
RED SHOE PCT/ MASTICATE	Lassen	Hat Creek	2005	173	0	0	0	0	0	SC
SOUTH STATION DFPZ	Lassen	Hat Creek	2005	50	0	0	0	0	0	FA
SOUTH STATION DFPZ UB05	Lassen	Hat Creek	2005	500	0	0	0	0	0	FA
STATION #3 PCT	Lassen	Hat Creek	2005	541	0	0	0	0	0	SC
BLACKS RIDGE DFPZ UB05	Lassen	Hat Creek	2005	0	800	0	0	0	0	FA
<b>FY05 Lassen Accomplishment</b>				<b>8,745</b>	<b>2,272</b>	<b>439</b>	<b>1,225</b>	<b>55,678</b>	<b>81,778</b>	

FY05 HFQLG Program of Work Accomplishments										
PROJECT	FOREST	DISTRICT	AAA F.Y.	Appr. DFPZ Ac.	Appr. Burn Ac.	Appr. GS Ac.	Appr. ITS Ac	Appr. Sawlog CCF	Appr. Biomass CCF	Contract Type
MABIE DFPZ-ITEM 2	Plumas	Beckwourth	2005	348				1,188	1,475	STS
WATDOG	Plumas	Feather River	2005	1,989	0	254		26,322	6,534	TS
BRUSH CREEK FHP DFPZ	Plumas	Feather River	2005		107			0	0	FA
ARARAT GS	Plumas	Feather River	2005	0	0	181	100	11,182	0	TS
BUCKHORN GS	Plumas	Feather River	2005	0	0	466	31	19,921	0	TS
BALD MOUNTAIN	Plumas	Feather River	2005	0	0	87	96	5,350	0	TS
GREENFLAT UB05 DFPZ	Plumas	Mt. Hough	2005	0	306	0	0	0	0	FA
SOLOMON MP THIN	Plumas	Mt. Hough	2005	974	0	288	777	9,562	16,014	TS
BUTTERFLY MP THIN	Plumas	Mt. Hough	2005	302	0	33	0	1,696	6,410	TS
PEPPARD MP THIN	Plumas	Mt. Hough	2005	0	0	44	98	2,821	1,430	TS
SPANISH UB05 DFPZ	Plumas	Mt. Hough	2005	0	604	0	0	0	0	FA
HUNGRY DFPZ	Plumas	Mt. Hough	2005	2,500	0	0	0	0	0	SC
GREENHORN MP THIN	Plumas	Mt. Hough	2005	457	0	0	0	1,332	3,342	TS
<b>FY05 Plumas Accomplishment</b>				<b>6,570</b>	<b>1,017</b>	<b>1,353</b>	<b>1,102</b>	<b>79,374</b>	<b>35,205</b>	
CAMINO DFPZ	Tahoe	Sierraville	2005	637	0	0	0	2,334	5,943	STS
CASTLE DFPZ / GS	Tahoe	Sierraville	2005							STS
LEMON PILE BURING	Tahoe	Sierraville	2005		49					
ZINGIRA	Tahoe	Sierraville	2005		143					
COTTONWOOD	Tahoe	Sierraville	2005	315						SC
TORO DFPZ G	Tahoe	Sierraville	2005	815						SC
CUTTHROAT DFPZ	Tahoe	Sierraville	2005	510						SC
<b>FY05 Tahoe Accomplishment</b>				<b>2,277</b>	<b>192</b>	<b>0</b>	<b>0</b>	<b>2,334</b>	<b>5,943</b>	
<b>FY05 Pilot Project Total Accomplishment</b>				<b>17,592</b>	<b>3,481</b>	<b>1,792</b>	<b>2,327</b>	<b>137,386</b>	<b>122,926</b>	



FY06 HFQLG Pilot Project Proposed Vegetation Program of Work												
PROJECT	FOREST	DISTRICT	FY	Proposed DFPZ Ac.	Proposed BURN Ac.	Proposed ITS Ac.	Proposed GS Ac.	Total Ac.	Est. Sawlog CCF	Est. Biomass CCF	Total CCF	Cont. Type
HUMBOLDT	Lassen	Almamor	2006	366	0	0	254	620	7,254	4,836	12,964	TS
RUFFA	Lassen	Almamor	2006	900	0	187	220	1,307	15,000	6,000	22,527	TS
FOX FARM DFPZ	Lassen	Almamor	2006	684	0	0	0	684	4,866	5,732	11,282	TS
WARNER UB 06	Lassen	Almamor	2006	0	244	0	0	244	0	0	244	FA
BATTLE UB 05	Lassen	Almamor	2006	0	106	0	0	106	0	0	106	FA
ROBBERS DFPZ	Lassen	Almamor	2006	998	0	0	0	998	2,125	3,186	6,309	TS
				2,948	350	187	474	3,959	29,245	19,754	53,432	
CALDERA DFPZ VM	Lassen	Eagle Lake	2006	1,080	0	0	0	1,080	2,491	5,811	8,302	TS
BUGLE DFPZ & GS	Lassen	Eagle Lake	2006	800	0	0	100	900	4,900	7,400	12,300	TS
CHAMPS GROUP #1	Lassen	Eagle Lake	2006	0	0	0	100	100	1,200	1,200	2,400	TS
LOGS TS	Lassen	Eagle Lake	2006	720	0	0	100	820	3,000	4,800	7,800	TS
FIN DFPZ	Lassen	Eagle Lake	2006	600	0	0	50	650	2,225	3,850	6,075	SC
CABOOSE DFPZ	Lassen	Eagle Lake	2006	550	0	0	0	550	1,375	2,750	4,125	TS
BULL DFPZ VM	Lassen	Eagle Lake	2006	1,038	0	0	0	1,038	3,000	4,000	7,000	TS
				4,788	0	0	350	5,138	18,191	29,811	48,002	
FORTY NINER TS	Lassen	Hat Creek	2006	2,700	0	400	460	3,560	20,000	5,000	25,000	TS

FY06 HFQLG Pilot Project Proposed Vegetation Program of Work												
PROJECT	FOREST	DISTRICT	FY	Proposed DFPZ Ac.	Proposed BURN Ac.	Proposed ITS Ac.	Proposed GS Ac.	Total Ac.	Est. Sawlog CCF	Est. Biomass CCF	Total CCF	Cont. Type
NORTH COBLE DFPZ UB06	Lassen	Hat Creek	2006	0	500	0	0	500	0	0	0	FA
PITTVILLE DFPZ HAND THIN, PILE, 06	Lassen	Hat Creek	2006	100	0	0	0	100	0	0	0	FA
REDFUEL THIN TS	Lassen	Hat Creek	2006	200	0	0	0	200	0	0	0	TS
<b>FY06 Lassen Total</b>				<b>3,000</b>	<b>500</b>	<b>400</b>	<b>460</b>	<b>4,360</b>	<b>20,000</b>	<b>5,000</b>	<b>25,000</b>	
<b>FY06 Lassen Total</b>				<b>10,736</b>	<b>850</b>	<b>587</b>	<b>1,284</b>	<b>13,457</b>	<b>67,436</b>	<b>54,565</b>	<b>122,001</b>	
BLAKEMORE DFPZ	Plumas	Beckwourth	2006	0	135	0	0	135	0	0	0	FA
STOUKEY T.S.	Plumas	Beckwourth	2006	500	0	500	49	1,049	10,600	0	10,600	
OLD SLOAT	Plumas	Beckwourth	2006	260	0	0	0	260	0	500	500	
BUCK UB DFPZ 2006	Plumas	Beckwourth	2006	300	300	0	0	600				FA
HAPPY JACK DFPZ/GS	Plumas	Beckwourth	2006	2,500	0	0	7	2,507	1,400	1,100	2,500	STS
RED CLOVER DFPZ-NEW	Plumas	Beckwourth	2006	300	300	0	0	600	0	0	0	FA
FREEMAN DFPZ/GS	Plumas	Beckwourth	2006	2,500	0	800	175	3,475	30,000	2,000	32,000	STS
				6,360	735	1,300	231	8,626	42,000	3,600	45,600	
SLAPJACK DFPZ/GS	Plumas	Feather River	2006	3,755	0	148	219	4,122	21,500	36,000	57,500	STS

FY06 HFQLG Pilot Project Proposed Vegetation Program of Work												
PROJECT	FOREST	DISTRICT	FY	Proposed DFPZ Ac.	Proposed BURN Ac.	Proposed ITS Ac.	Proposed GS Ac.	Total Ac.	Est. Sawlog CCF	Est. Biomass CCF	Total CCF	Cont. Type
WATDOG 2006	Plumas	Feather River	2006	809	940	0	0	1,749	0	0	0	SC
				4,564	940	148	219	5,871	21,500	36,000	57,500	
EMPIRE DFPZ	Plumas	Mt. Hough	2006	1,130	0	0	0	1,130	0	0	0	STS
GREENFLAT UB06 DFPZ	Plumas	Mt. Hough	2006	0	300	0	0	300	0	0	0	FA
CANYON DAM	Plumas	Mt. Hough	2006	670	0	0	0	670	3,000	5,000	8,000	TS
SQUIRREL MP THIN	Plumas	Mt. Hough	2006	0	0	856	324	1,180	9,245	12,450	21,695	TS
PSW PLOTS	Plumas	Mt. Hough	2006	100	0	0	23	123	2,000	0	2,000	
REFUGE MP THIN	Plumas	Mt. Hough	2006	783		500	310	1,593	9,620	31,221	40,841	TS
SPANISH UB06 DFPZ	Plumas	Mt. Hough	2006	0	250	0	0	250	0	0	0	FA
HUNGRY UB06 DFPZ	Plumas	Mt. Hough	2006	0	300	0	0	300	0	0	0	FA
				2,683	850	1,356	657	5,546	23,865	48,671	72,536	
<b>FY06 Plumas Total</b>				<b>13,607</b>	<b>2,525</b>	<b>2,804</b>	<b>1,107</b>	<b>20,043</b>	<b>87,365</b>	<b>88,271</b>	<b>175,636</b>	
FRANC DFPZ	Tahoe	Sierraville	2006	840	0	0	71	911	6,799	4,736	11,535	TS
ZINGIRA-	Tahoe	Sierraville	2006	0	726	0	0	726	0	0	0	
TRELA ITS	Tahoe	Sierraville	2006	90	0	85	0	175	2,300	850	3,150	TS
TOPAZ DFPZ	Tahoe	Sierraville	2006	1,221	0	36	0	1,257	0	0	0	SC
KORUNA DFPZ / GS	Tahoe	Sierraville	2006	333	0	0	22	355	1,300	1,766	3,066	STS

FY06 HFQLG Pilot Project Proposed Vegetation Program of Work												
PROJECT	FOREST	DISTRICT	FY	Proposed DFPZ Ac.	Proposed BURN Ac.	Proposed ITS Ac.	Proposed GS Ac.	Total Ac.	Est. Sawlog CCF	Est. Biomass CCF	Total CCF	Cont. Type
LIRA DFPZ	Tahoe	Sierraville	2006	820	0	0	90	910	8,000	4,500	12,500	TS
<b>FY06 Tahoe Total</b>				<b>3,304</b>	<b>726</b>	<b>121</b>	<b>183</b>	<b>4,334</b>	<b>18,399</b>	<b>11,852</b>	<b>30,251</b>	
<b>FY06 Pilot Project Total</b>				<b>27,647</b>	<b>4,101</b>	<b>3,512</b>	<b>2,574</b>	<b>37,834</b>	<b>173,200</b>	<b>154,688</b>	<b>327,888</b>	

FY07 HFQLG Pilot Project Outyear Vegetation Program of Work												
PROJECT	FOREST	DISTRICT	FY	Proposed DFPZ Ac.	Proposed BURN Ac.	Proposed ITS Ac.	Proposed GS Ac.	Total Ac.	Est. Sawlog CCF	Est. Biomass CCF	Total CCF	Cont. Type
BEAR CUB DFPZ	Lassen	Almamor	2007	434	0	0	0	434	0	0	0	SC
LAKES DFPZ	Lassen	Almamor	2007	1,700	0	1,000	0	2,700	9,000	8,400	17,400	TS
LOST LAKE	Lassen	Almamor	2007	684	0	568	183	1,435	16,789	11,193	27,982	TS
HUMBOLDT SERVICE	Lassen	Almamor	2007	150	0	0	0	150	0	0	0	TS
LOST LAKE SERVICE	Lassen	Almamor	2007	460	0	215	0	675	0	0	0	TS
YELLOW SERVICE	Lassen	Almamor	2007	114	0	9	0	123	0	0	0	SC
ROBBERS DFPZ FORCE ACCOUNT	Lassen	Almamor	2007	350	0	0	0	350	0	0	0	FA
GRAYS PEAK DFPZ	Lassen	Almamor	2007	300	0	0	0	300	300	300	600	STS
YOUNG PINE #2	Lassen	Almamor	2007	245	0	0	0	245	150	150	300	SC
FOX FARM DFPZ SERVICE	Lassen	Almamor	2007	0	0	0	0	0	0	0	0	SC
CASTLE SERVICE	Lassen	Almamor	2007	70	0	55	0	125	0	0	0	SC
RUFFA DFPZ SC	Lassen	Almamor	2007	57	0	0	0	57	0	0	0	SC
SCOTT GS	Lassen	Almamor	2007	0	0	0	170	170	3,000	2,800	5,800	TS
LAKES GS	Lassen	Almamor	2007	0	0	0	130	130	4,000	2,340	6,340	TS
SCOTT DFPZ	Lassen	Almamor	2007	1,050	0	750	0	1,800	8,000	2,460	10,460	TS
				5,614	0	2,597	483	8,694	41,239	27,643	68,882	

FY07 HFQLG Pilot Project Outyear Vegetation Program of Work												
PROJECT	FOREST	DISTRICT	FY	Proposed DFPZ Ac.	Proposed BURN Ac.	Proposed ITS Ac.	Proposed GS Ac.	Total Ac.	Est. Sawlog CCF	Est. Biomass CCF	Total CCF	Cont. Type
WINDY HANDTHIN & PILE	Lassen	Eagle Lake	2007	500	0	0	0	500	0	0	0	FA
SWAINS FUELS REDUCTION	Lassen	Eagle Lake	2007	327	0	0	0	327	0	0	0	SC
MIXED FRUIT MASTICATION	Lassen	Eagle Lake	2007	500	0	0	0	500	0	0	0	SC
BUTLER TS	Lassen	Eagle Lake	2007	800	0	0	200	1,000	4,400	6,400	10,800	TS
WACK HANDTHIN & PILE	Lassen	Eagle Lake	2007	500	0	0	0	500	0	0	0	FA
RIM TS	Lassen	Eagle Lake	2007	400	0	300	50	750	7,100	6,450	13,550	TS
PICKLE TS	Lassen	Eagle Lake	2007	800	0	0	200	1,000	4,400	6,400	10,800	TS
POCO TS	Lassen	Eagle Lake	2007	800	0	0	200	1,000	4,400	6,400	10,800	TS
CHOP CHOP MASTICATION	Lassen	Eagle Lake	2007	500	0	0	0	500	0	0	0	SC
CHOOCH UNDERBURN	Lassen	Eagle Lake	2007		500	0	0	500	0	0	0	FA
HOOK DFPZ	Lassen	Eagle Lake	2007	1,150	0	100	0	1,250	5,925	8,750	14,675	TS
BIG JACKS DFPZ UB07	Lassen	Hat Creek	2007	6,277	500	400	650	7,827	26,225	34,400	60,625	
N 49 PLANTATION #1	Lassen	Hat Creek	2007	1,000	0	0	0	1,000	0	0	0	FA
BACKBONE TS	Lassen	Hat Creek	2007	2,000	0	0	700	2,700	22,000	5,500	27,500	TS
PITTVILLE DFPZ UB07	Lassen	Hat Creek	2007	0	300	0	0	300	0	0	0	FA

FY07 HFQLG Pilot Project Outyear Vegetation Program of Work												
PROJECT	FOREST	DISTRICT	FY	Proposed DFPZ Ac.	Proposed BURN Ac.	Proposed ITS Ac.	Proposed GS Ac.	Total Ac.	Est. Sawlog CCF	Est. Biomass CCF	Total CCF	Cont. Type
SPRINGS PLANTATION	Lassen	Hat Creek	2007	1,500	0	0	0	1,500	0	0	0	SC
CABIN PLANTATION TS	Lassen	Hat Creek	2007	240	0	0	0	240	0	0	0	TS
BIG JACKS DFPZ UB06	Lassen	Hat Creek	2007	0	500	0	0	500	0	0	0	FA
N 49 PLANTATION #2	Lassen	Hat Creek	2007	1,500	0	0	0	1,500	0	0	0	SC
STATION #4	Lassen	Hat Creek	2007	1,000	0	0	0	1,000	0	0	0	SC
CABERNET TS	Lassen	Hat Creek	2007	200	0	0	0	200	1,200	400	1,600	TS
SHOOTER TS	Lassen	Hat Creek	2007	2,000	0	370	300	2,670	20,000	5,000	25,000	TS
CABIN DFPZ UB06	Lassen	Hat Creek	2007	0	115	0	0	115	0	0	0	FA
				9,440	1,415	370	1,000	12,225	43,200	10,900	54,100	
<b>FY07 Lassen Total</b>				<b>21,331</b>	<b>1,915</b>	<b>3,367</b>	<b>2,133</b>	<b>28,746</b>	<b>110,664</b>	<b>72,943</b>	<b>183,607</b>	
GRIZ DFPZ/GS	Plumas	Beckwourth	2007	1,000	0	1,000	350	2,350	10,000	1,500	11,500	STS
SIEGFRIED UB DFPZ	Plumas	Beckwourth	2007	0	2,300	0	0	2,300	0	0	0	SC
FREEMAN SC	Plumas	Beckwourth	2007	1,000	0	0	0	1,000		2,000	2,000	
HAPPY JACK II	Plumas	Beckwourth	2007	700	0	300	35	1,035	3,000	1,100	4,100	
JORDAN UB07 DFPZ	Plumas	Beckwourth	2007	0	1,000	0	0	1,000	0	0	0	SC
				2,700	3,300	1,300	385	7,685	13,000	4,600	17,600	
FLEA DFPZ/GS	Plumas	Feather River	2007	1,480	910	319	400	3,109	15,400	4,425	19,825	STS

FY07 HFQLG Pilot Project Outyear Vegetation Program of Work												
PROJECT	FOREST	DISTRICT	FY	Proposed DFPZ Ac.	Proposed BURN Ac.	Proposed ITS Ac.	Proposed GS Ac.	Total Ac.	Est. Sawlog CCF	Est. Biomass CCF	Total CCF	Cont. Type
SLAPJACK UNDERBURN	Plumas	Feather River	2007	0	850	0	0	850	0		0	
SUGARBERRY 1	Plumas	Feather River	2007	0	0	330	714	1,044	35,600	3,600	39,200	
SUGARBERRY 2	Plumas	Feather River	2007	0	0	0	327	327	14,400		14,400	
KEDDIE RIDGE EIS	Plumas	Mt. Hough	2007	1,480	1,760	649	1,441	5,330	65,400	8,025	73,425	
BOUNDARY	Plumas	Mt. Hough	2007	1,425	0	1,613	287	3,325	6,000	6,000	12,000	
MUD	Plumas	Mt. Hough	2007	1,425	900	1,613	287	4,225	10,000	10,000	20,000	
FANT	Plumas	Mt. Hough	2007	1,425	0	1,613	287	3,325	4,000	4,000	8,000	
WILDCAT	Plumas	Mt. Hough	2007	1,425	0	1,613	287	3,325	10,000	10,000	20,000	TS
EMPIRE UB FY07	Plumas	Mt. Hough	2007	0	250	0	0	250	0	0	0	FA
SPANISH UB07 DFPZ	Plumas	Mt. Hough	2007	0	300	0	0	300	0	0	0	FA
GREENFLAT UB07 DFPZ	Plumas	Mt. Hough	2007	0	600	0	0	600	0	0	0	SC
<b>FY07 Plumas Total</b>				<b>10,812</b>	<b>2,050</b>	<b>8,652</b>	<b>2,248</b>	<b>23,762</b>	<b>62,500</b>	<b>62,500</b>	<b>125,000</b>	
CASTLE DFPZ / GS	Tahoe	Sierraville	2007	675	0	0	75	750	2,625	3,375	6,000	STS
MONTEZ ITS / GS	Tahoe	Sierraville	2007	100	0	100	20	220	1,200	2,750	3,950	TS



FY07 HFQLG Pilot Project Outyear Vegetation Program of Work												
PROJECT	FOREST	DISTRICT	FY	Proposed DFPZ Ac.	Proposed BURN Ac.	Proposed ITS Ac.	Proposed GS Ac.	Total Ac.	Est. Sawlog CCF	Est. Biomass CCF	Total CCF	Cont. Type
ROOK DFPZ / GS	Tahoe	Sierraville	2007	270	0	0	30	300	1,000	2,000	3,000	STS
FY07 Tahoe Total				1,045	0	100	125	1,270	4,825	8,125	12,950	
FY07 Pilot Project Total				37,368	9,025	14,068	6,332	66,793	256,389	156,193	412,582	

FY05 HFQLG Riparian Program of Work Accomplishments									
Project	Forest	District	Rd. Miles Elim.	Cossing Elim	Crossing Rest.	Sawlog ccf	Biomass ccf	Acres Restored	
ROCKY ASPEN ENHANCEMENT	Lassen	Eagle Lake				687	1560	141	
LITTLE HARVEY ASPEN ENH.	Lassen	Eagle Lake				681	1550	138	
MCKENZIE ASPEN ENHANCEMENT	Lassen	Eagle Lake				4619	3688	247	
<b>FY05 Lassen Total</b>								<b>526</b>	
ROSS RANCH MEADOW IMPROVEMENT	Plumas	Beckwourth	1		2				
UPPER LAST CHANCE WATERSHED	Plumas	Beckwourth						80	
DOOLEY CREEK	Plumas	Beckwourth		2	3			80	
SCHNIDER CREEK RESTORATION	Plumas	Mt. Hough						1	
DEANES VALLEY STREAM RESTORATION	Plumas	Mt. Hough						10	
<b>FY05 Plumas Total</b>			<b>1</b>	<b>2</b>	<b>5</b>			<b>171</b>	
MERRILL/DAVIES STREAM IMPROVEMENT	Tahoe	Sierraville						10	
PERAZZO MEADOWS	Tahoe	Sierraville						65	
CHECKMATE - BALD RIDGE	Tahoe	Sierraville						64	
<b>Tahoe Total</b>								<b>139</b>	
<b>FY05 Pilot Project</b>			<b>1</b>	<b>2</b>	<b>5</b>	<b>5987</b>	<b>6798</b>	<b>836</b>	

FY06 HFQLG Pilot Project Proposed Riparian Program of Work									
PROJECT	FOREST	DISTRICT	FY	Prop Road Miles Elim	Proposed Crossings Elim	Proposed Crossings Rest	Proposed Acres Rest		
DEER CREEK DECOMMISSIONING	Lassen	Almanor	2006	2	3	3			
BATTLE WATERSHED IMPROVEMENT	Lassen	Almanor	2006	12					
HOLE IN THE GROUND	Lassen	Almanor	2006	2					
ROCKY GULCH	Lassen	Almanor	2006				1		
FY06 Lassen Total				16	3	3	1		
ROSS RANCH MEADOW PHASE 2	Plumas	Beckwourth	2006				5		
ROGERS AND JORDAN ROAD RELOCATION	Plumas	Beckwourth	2006	3			9		
CLARKS CREEK ASPEN RESTORE	Plumas	Beckwourth	2006				50		
WESTSIDE LAKE DAVIS STREAM REST.	Plumas	Beckwourth	2006				15		
LAST CHANCE FORD	Plumas	Beckwourth	2006				1		
FY06 Plumas Total				3			79		
ANTELOPE/SMITHNECK WATERSHED PLAN	Tahoe	Sierraville	2006				20		
CARMEN	Tahoe	Sierraville	2006						
SOUTH PERRAZO UPLAND WATERSHED	Tahoe	Sierraville	2006				6		
PERRAZO MEADOW RESTORATION	Tahoe	Sierraville	2006						
DAVIES CREEK	Tahoe	Sierraville	2006				35		
EURO ROADS	Tahoe	Sierraville	2006				300	40	
FY06 Tahoe Total							361	40	
FY06 Pilot Project Total				19	3	44	441		

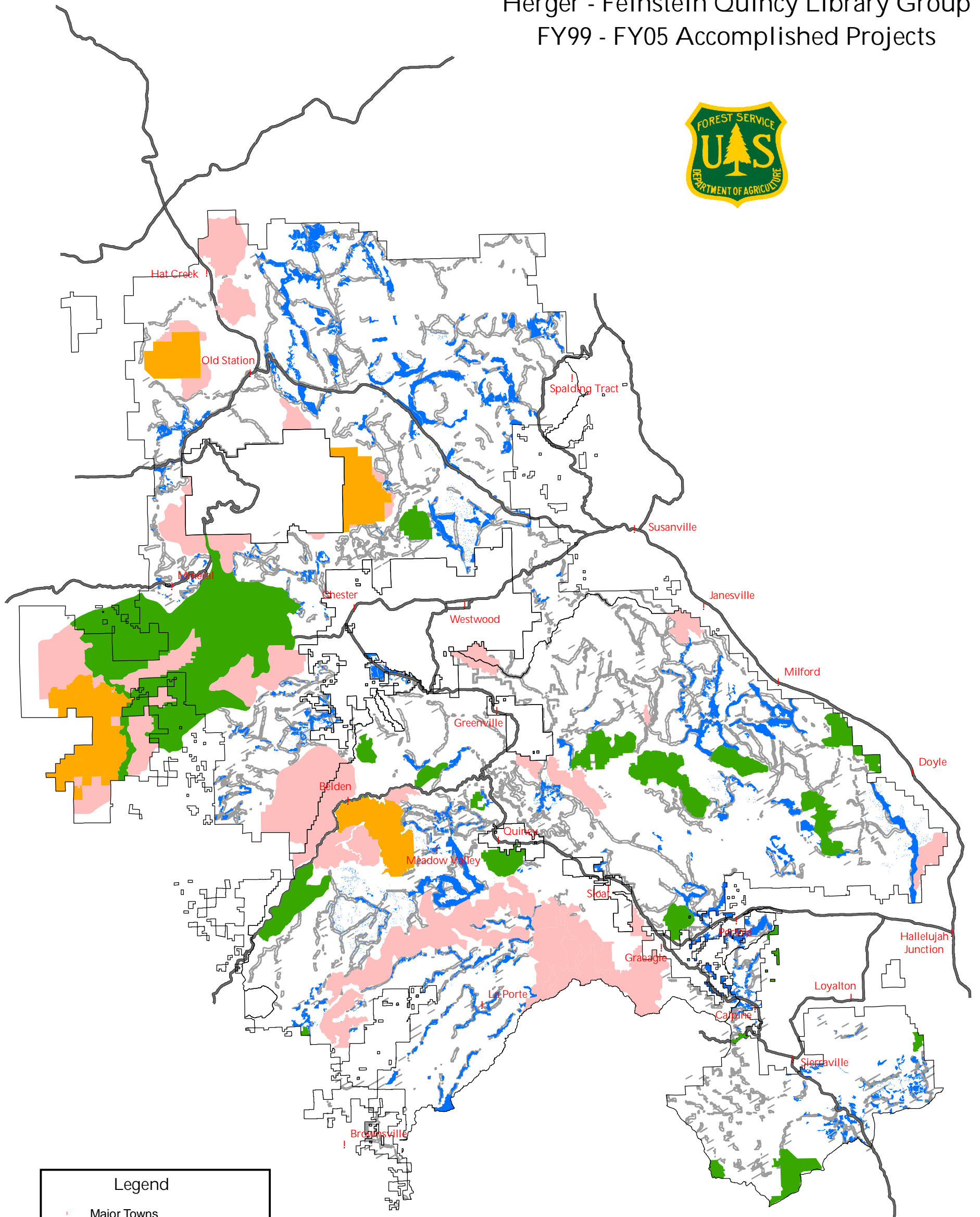
FY07 HFQLG Pilot Project Proposed Riparian Program of Work								
PROJECT	FOREST	DISTRICT	FY	Prop Road Miles Elim	Proposed Crossings Elim	Proposed Crossings Rest	Proposed Acres Rest	
CAT ASPEN ENHANCEMENT RR	Lassen	Eagle Lake	2007				220	
RESCUE AE TS RR	Lassen	Eagle Lake	2007				600	
SPROUT AE TS RR	Lassen	Eagle Lake	2007				600	
DANCING AE TS RR	Lassen	Eagle Lake	2007				550	

# Appendix E

## Maps



# Appendix E. Herger - Feinstein Quincy Library Group FY99 - FY05 Accomplished Projects

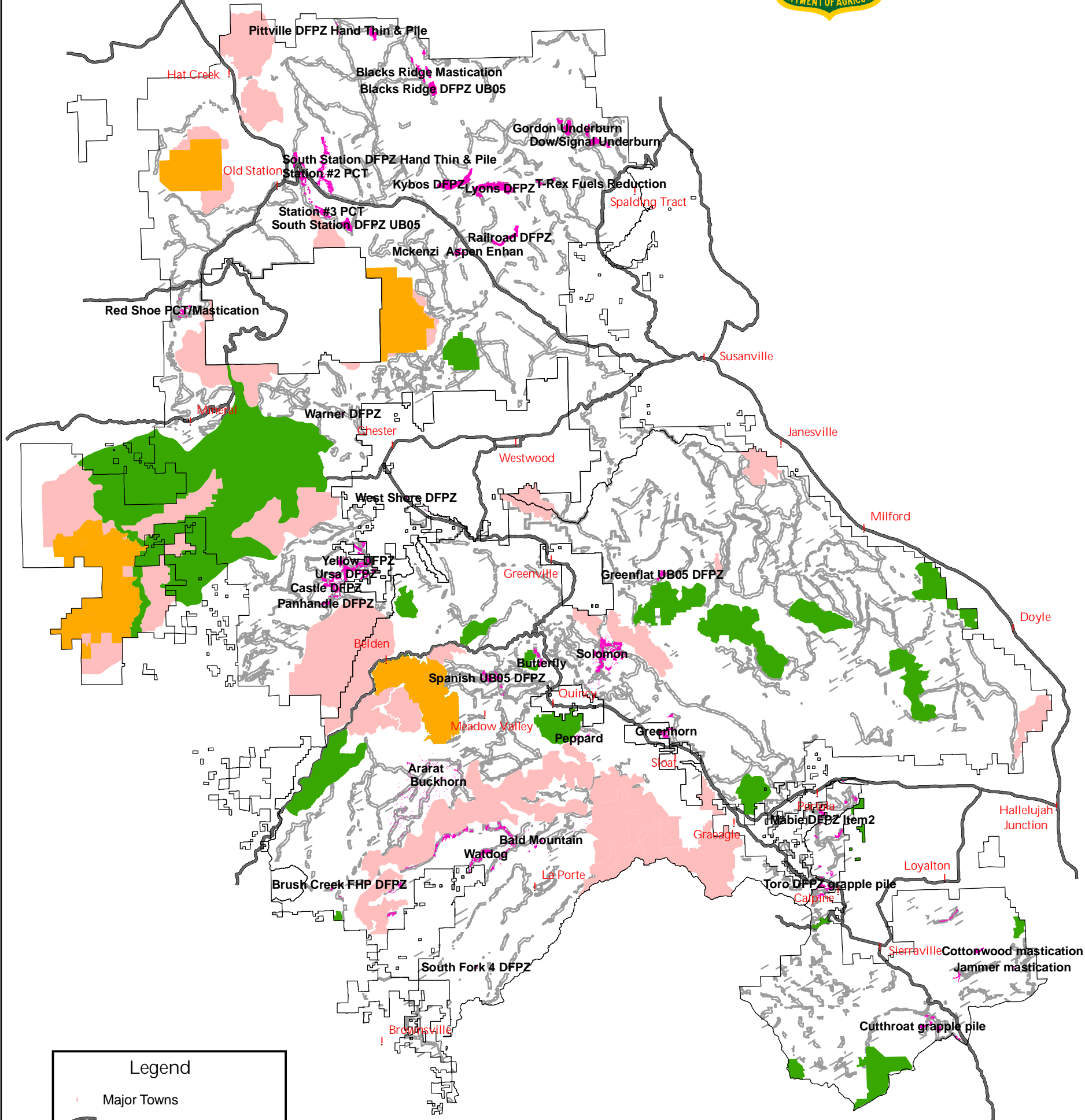


**Legend**

- Major Towns
- Major Roads
- Wilderness
- HFQLG FEIS DFPZ Network
- FY99 - FY05 Accomplishments
- HFQLG Offbase / Deferred
- Deferred
- Offbase

HFQLG GIS  
27 Feb 06

# Appendix E. Herger - Feinstein Quincy Library Group FY05 Accomplished Projects



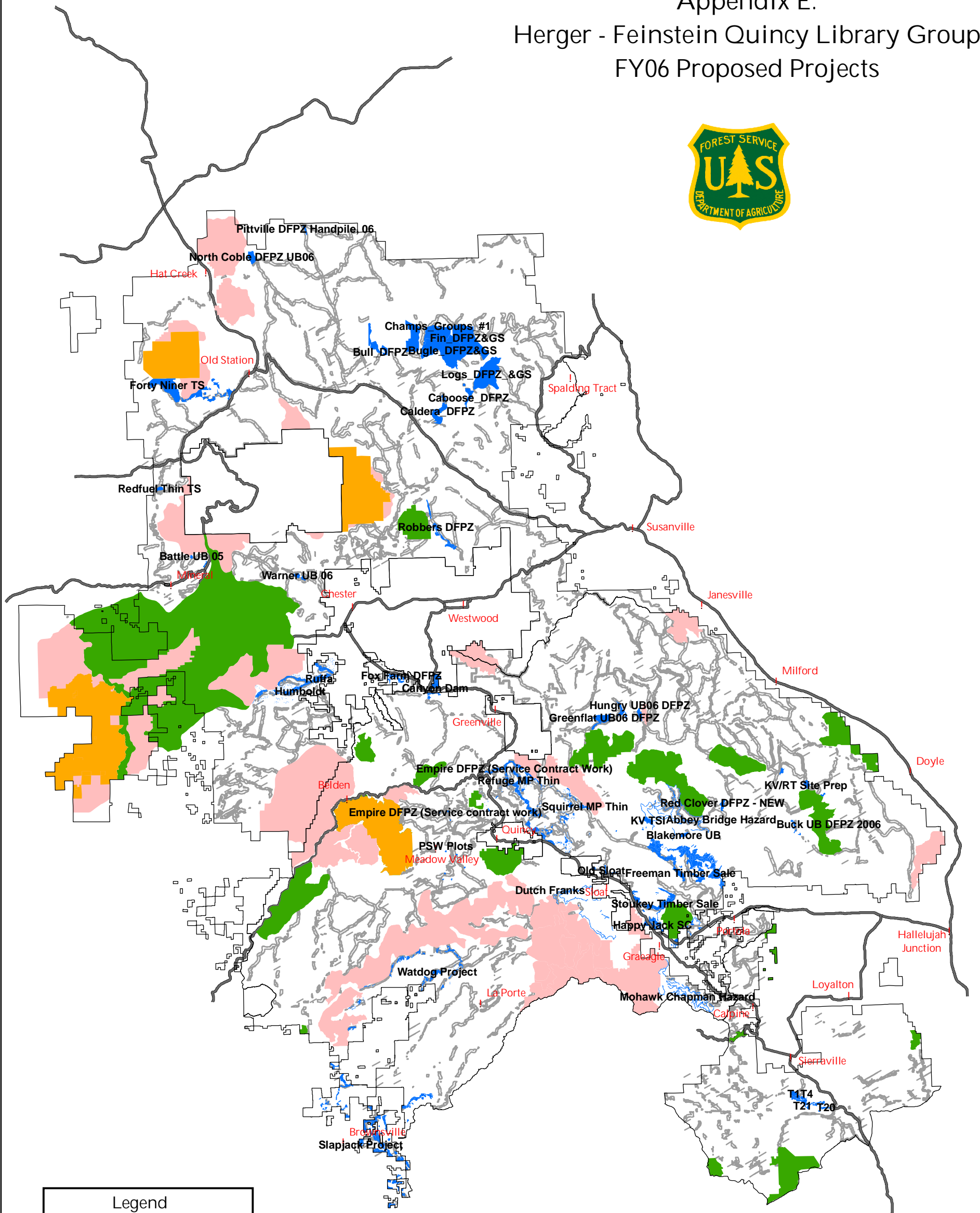
**Legend**

- Major Towns
- Major Roads
- Wilderness
- HFQLG FEIS DFPZ Network
- FY05 Accomplishments
- HFQLG Offbase / Deferred
- Deferred
- Offbase

HFQLG GIS  
27 Feb 06



# Appendix E. Herger - Feinstein Quincy Library Group FY06 Proposed Projects



**Legend**

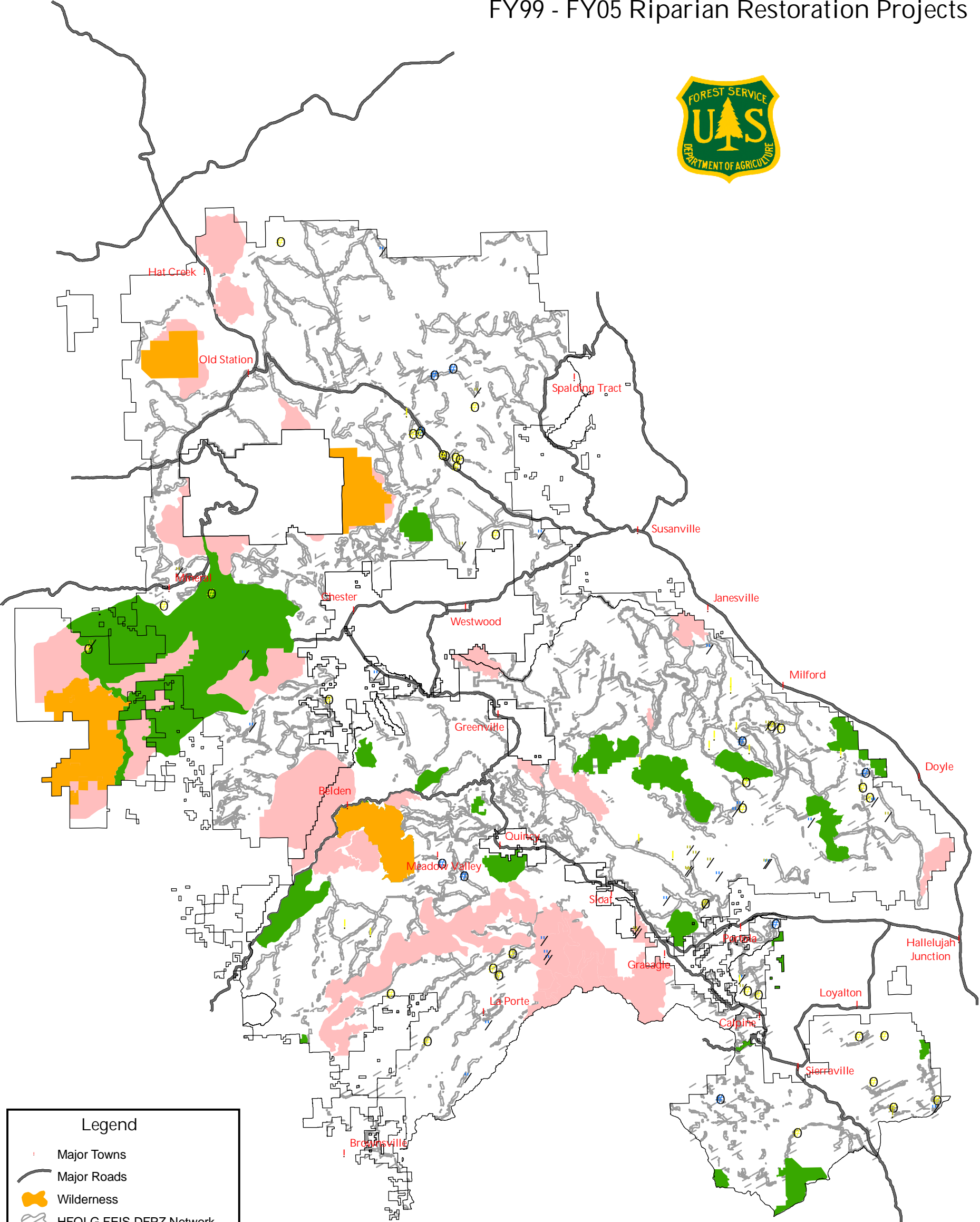
- Major Towns
- Major Roads
- Wilderness
- HFQLG FEIS DFPZ Network
- FY06 Proposed Projects
- HFQLG Offbase / Deferred
- Deferred
- Offbase

Scale: 0 1.5 3 6 9 12 Miles

HFQLG GIS  
27 Feb 06

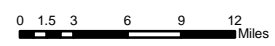
Appendix E.

Herger - Feinstein Quincy Library Group  
FY99 - FY05 Riparian Restoration Projects

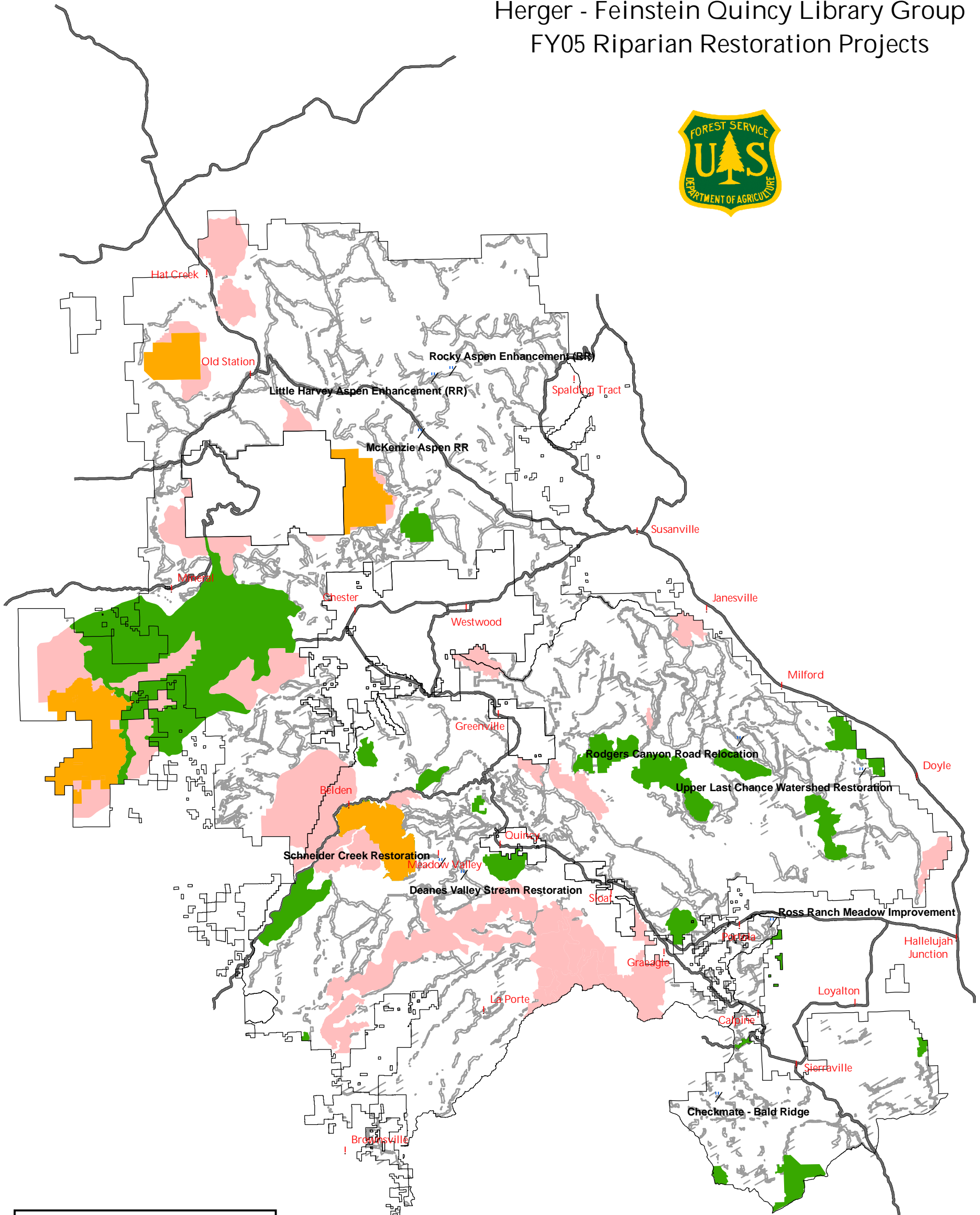


Legend

- Major Towns
- Major Roads
- Wilderness
- HFQLG FEIS DFPZ Network
- Riparian Restoration
  - FY00
  - FY01
  - FY02
  - FY03
  - FY04
  - FY05
- HFQLG Offbase / Deferred
  - Deferred
  - Offbase



# Appendix E. Herger - Feinstein Quincy Library Group FY05 Riparian Restoration Projects



**Legend**

- Major Towns
- Major Roads
- Wilderness
- HFQLG FEIS DFPZ Network
- FY05 Riparian Restoration Projects
- HFQLG Offbase / Deferred
- Deferred
- Offbase

0 1.25 2.5 5 7.5 10 Miles

HFQLG GIS  
27 Feb 06

# Appendix F

## HFQLG Socioeconomic Report Appendices



Prepared for the USDA Forest Service by:



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January 31, 2006

## Status of HFQLG Socioeconomic Monitoring

The following is a summary of HFQLG monitoring efforts to date and those planned for the future. The objectives for socioeconomic monitoring should be:

1. Supply socioeconomic information and analysis for the Annual Status Report to Congress pursuant to Section 401(j)(1)(D), described in the introduction.
2. Supply socioeconomic information and recommendations to the scientific panel pursuant to Section 401(k)(1) described below.

§401(k)(1): The Secretary [of the U.S. Department of Agriculture] shall establish an independent scientific panel to review and report on whether, and to what extent, implementation of the pilot project under this section achieved the goals stated in the Quincy Library Group-Community Stability Proposal, including ... community stability.

### Monitoring History

Originally, the HFQLG Implementation Team collected annual spending data and contracted with the Center for Economic Development to use IMPLAN models to predict the economic benefits to the area that resulted from this spending. Through internal discussions and meetings with a citizen group, the HFQLG Implementation Team decided that monitoring data must be, “empirical” rather than, “theoretical”, in the annual Status Report to Congress. Therefore, the Implementation Team decided not to have CED run an economic impact analysis, but rather, to use monitoring resources to study socioeconomic indicators as they become available.

In 2003, Congress extended the Pilot Project to FY09. This allowed time to determine a better socioeconomic monitoring strategy, as well as time to collect better data for the scientific panel to analyze at the end of the project. In FY05, the HFQLG Implementation Team contracted with Jack Faucett Associates with support from CED to continue the socioeconomic monitoring study.

Data originally collected for the HFQLG Act Environmental Impact Statement was to be used as a baseline for socioeconomic monitoring. Unfortunately, this information may not be the most useful to the scientific panel. A more reliable analysis requires some information be collected at a later time, and other information be collected through annual surveys. There are two types of data that can be used as a socioeconomic indicator: secondary data and survey data.

### **Secondary Data**

Official economic and demographic estimating organizations, such as the California Department of Finance and the U.S. Department of Commerce update their historic data annually. Therefore, for the scientific panel, it will not be necessary to collect data every year because future data revisions will render data collected in the past moot. Ideally, this information would not be collected until FY10, when the most accurate information available throughout the time frame for implementation of the HFQLG Act will be available.

### **Survey Data**

Survey data will be necessary for the scientific panel in two cases:

1. Current data will not be available in the future: Historical data for the Forest Products Industry Roster may not be available in the future. If forest product businesses shut down, it will be difficult to survey owners to obtain employment data. As a result, the Forest Products Industry Roster is currently being surveyed annually.
2. Future secondary data will not be available in time for the Final Status Report to Congress: There is one scenario where this may happen. If substantial activity in implementing the Pilot Project does not occur until FY08 or FY09, a survey will be necessary to collect enough business and household data for the scientific panel to use in FY10. Normally, economic data is not available until 1.5 to two years in the future (i.e., 2004 data will be available in mid-to late-2006). Secondary data for 2008 may not be available for 2009 and certainly will not be available at the community level in time for the Final Status Report to Congress in 2010. In this case, a business and household survey may be necessary to collect data for the scientific panel to analyze.

### **Future Monitoring Plan**

Two issues have been identified this year as necessary for analysis starting with the FY06 socioeconomic monitoring report. First, data from the FY99 Forest Products Industry Roster survey needs to be re-tabulated to make the data consistent with subsequent surveys and the tables in the Forest Products Industry Roster Survey indicator. Second, mills in the Pilot Project Area and the remainder of the Sierra Cascade Province, including those that have shut down, need to be identified as having small-log and/or large-log capacity because implementation of the Pilot Project is intended to provide a steady stream of both types of logs, while implementation thus far may not have accomplished that goal.

The long-term intent of the HFQLG Act to create a sustained forestry management effort that would, among other benefits, contribute to the socioeconomic status of Pilot Project Area communities. In order for the Act's intent to be measured, socioeconomic indicators for a year with substantially increased activity should be compared to a year with little or no activity. Fiscal

years 2005 and 1999 could serve as these respective benchmarks.

**Potential Challenges**

In order to effectively measure socioeconomic change resulting from implementation of the HFQLG Act, the influence of other factors on the local economy will have to be accounted for. For example, if an overwhelming event or catastrophe occurs in the region, the selected indicators will not accurately capture the effects of the Pilot Project.

## Forest Products Industry Roster

### Forest Products Industry Establishments in the Bieber Community Area

Business Name	Category	Address	City	Zip+4	Contact	Phone
Del Logging Inc	Conventional logging and biomass	101 Punksin Center Rd	Bieber	96009-0246	Leanna Hawkins	294-5522
Graham logging	Logging and trucking	661525 Bunselmeier Rd	Bieber	96009-0555	Gary Graham	294-5237
Mc Garr Timber Falling	Logging	P O Box 186	Bieber	96009-0186	Adonica Mc Garr	294-5737
Pit River Contracting	Mechanical piling		Bieber	96009	John Britton	294-5757
*Kent House Logging	Logging	P O Box 187	Bieber	96009-0187		294-5244

\*Probably working in forest products industry, but unable to contact in 2005.

### Forest Products Industry Establishments in the Burney Community Area

Business Name	Category	Address	City	Zip+4	Contact	Phone
Burney Forest Power	Power generation from wood chips	35586-B Hwy 299E	Burney	96013	Milton Schultz	335-5104
Burney Mountain Power	Power generation from wood chips	Highway 299 & Energy Drive	Burney	96173	Charlie Knight	224-3300
Bzb Logging	Conventional logging	37373 Blue Bird Ln	Burney	96013-1332	Lonnie Blunt	335-3939
Carpenter Trucking	Lumber (log) trucking, local	P O Box 71	McArthur	96056-0071	Larry Carpenter	336-5256
Claude C Morris	Forestry services- fuels reduction	530-100 Little Valley Rd	McArthur	96056-7600	Claude Morris	336-6232
Claude Carpenter	Lumber and log trucks					336-5256
Connective Operating Services company	Power generation from wood chips	35586-B Hwy 299E	Burney	96013	Don Binger	335-5104
Fred Ryness & Associates	Forestry services-RPF	20277 Marquette St	Burney	96013-4471	Fred Ryness	335-4324
Hatcreek Construction	Construction	24339 Hwy 89 N	Burney	96013		335-5501
Impact Resources Lic	Logging	19787 Cinder Pit Rd	Burney	96013-1292	Tony Welander	335-4065
J & S Developments Inc	Log hauling	P O Box 2526	Burney	96013-2526	Jon Eilts	335-3601
Ron Andrews Logging Inc	Forestry services - water truck	7517 Mohegan CT 5	Fall River Mills	96028-0644	Ronald Andrews	221-6722
Ron Taylor & Sons Logging Co	Mechanical and conventional logging	Highway 299 E	McArthur	96056-0401	Ron Taylor	336-6283
Shasta Green		Hwy 299 E	Burney	96013		335-4924
Sierra Pacific Industries	Sawmill	Hwy 299 E	Burney	96013-2677	Ed Fisher	335-3681
Todd Sloat Bio Consultant	Forestry services		Fall River Mills			336-5436
Warner Enterprises Inc	Mechanical logging	1577 Beltline Rd	Cassel	96016-0188	Paul Warner	241-4000
Witherspoon Logging	Conventional logging	20341 Grogan St	Burney	96013-2182	Doug Witherspoon	335-2937
*B&BE logging	Conventional logging	P.O. 1305	Burney	96013	Ellie Rashe	335-5153
*David Hinds	Forestry services	528-575 Benzel Ln	McArthur	96056-8667	David Hinds	336-5956
*Fletcher Forest Products Inc	Logging-Logging camps and contractors	28435 Metzger Rd	Fall River Mills	96028-9735	Kenneth Fletcher	336-6263
*J & S Developments Inc	Log hauling	P O Box 2526	Burney	96013-2526	Jon Eilts	335-3601



*Lc Beebe Jr Trucking	Log and chip hauling	21690 Oregon St	Burney	96013-9784	335-4965
*Randy Starr Timber Falling	Logging	39900 Jim Brewster Rd	Fall River Mills	96028-9741	336-6762
*Tubit Enterprises Inc	Conventional and mechanical logging	21640 S Vallejo St	Burney	96013-1019	Douglas Lindgren 335-5085

\*Probably working in forest products industry, but unable to contact in 2005

### Forest Products Industry Establishments in the Susanville Community Area

Business Name	Category	Address	City	Zip+4	Contact	Phone
Bevins John	Fire fighting services, forest	708-755 Wingfield Rd E	Janesville	96114-9671	John Bevins	253-2188
Charlie Shere	Fire prevention services, forest	945 Patute Ln Apt Q	Susanville	96130-6000	Charlie Shere	257-6588
Cross My Heart Ranch	Fire fighting services, forest	707-335 Wingfield Rd E	Janesville	96114-9646	Fred Mallery	253-2630
Evergreen Resource Management	Consulting		Susanville			909-337-2840
Hester Karon	Fire fighting services, forest	472-900 Chappuis Ln	Litchfield	96117	Karon Hester	254-6240
Hidden Valley Ranch	Fire prevention services, forest	P O Box 538	Susanville	96130-0538	John Fitzgerald	257-3659
Honey Lake Power	Electricity production from wood chips		Wendell	96136		221-8797
Leann Smith	Forestry services	701-090 Richmond Rd E	Susanville	96130-5012	Leann Smith	251-5384
Schroeder Logging Inc	Conventional and mechanical logging	P O Box 820	Janesville	96114-9606	Catherine Schroeder	253-3511
T & T Truss Components	Wooden trusses		Susanville	96130-8958	Joanne Tinnin	257-6366
*Butler Forest Products	Logging	502 main St	Susanville			257-8362
*Tracy J Porter	Fire fighting services, forest	697-000 Hwy 36 N 8	Susanville	96130	Tracy Porter	257-3502

\*Probably working in forest products industry, but unable to contact in 2005

### Forest Products Industry Establishments in the Westwood Community Area

Business Name	Category	Address	City	Zip+4	Contact	Phone
Alderman	Forest management services	P O Box 760	Westwood	96137-0760	David Alderman	256-2254
Holt Logging Inc	Conventional and mechanical logging	Hwy 36 & Delwood	Westwood	96137-0789	Tim Holt	256-3104
Medici Logging Inc	Conventional and mechanical logging	Hwy 36	Westwood	96137-0969	Roger Medici	256-3177
Mt Lassen Power	Electricity production from wood chips	County Road A-21	Westwood	96137		256-3155
*Diversified Timber	Logging	P O Box 1173	Westwood	96137-1173	Laura Palmer	258-6339

\*Probably working in forest products industry, but unable to contact in 2005

### Forest Products Industry Establishments in the Chester Community Area

Business Name	Category	Address	City	Zip+4	Contact	Phone
Cancilla Trucking	Log and chip hauling	660 B Main St	Chester	96020-1310	Dennis Cancilla	258-3496
Collins Pine Company	Sawmill & power generation	500 Main St	Chester	96020-0796	Mary Beth Collins	258-2111
David Alderman	Forest management services				David Alderman	
David Van Meter Logging	Mechanical logging and biomassing	741 Main St	Chester	96020	David Van Meter	258-3007

### Forest Products Industry Establishments in the Greenville Community Area

Business Name	Category	Address	City	Zip+4	Contact	Phone
Dianne Mccombs			Greenville	95947	Dianne Mccombs	284-6614
Indian Head Logging	Logging	P.O. Box 306	Greenville	95947	Warren Gorbette	284-6292
Thayer, David	Logging	29649 Hwy 89	Canyonadam	95923		284-6505
Thomas Rahn	Forestry services - fire fighting	5797 N Valley Rd	Greenville	95947-9800	Thomas Rahn	284-6542
*Winnigham Forest Management	Forestry services	7250 Diamond Mountain Rd	Greenville	95947-9641	Danny Winnigham	258-9530

\*Probably working in forest products industry, but unable to contact in 2005

### Forest Products Industry Establishments in the Quincy Community Area

Business Name	Category	Address	City	Zip+4	Contact	Phone
Brian Wayland Consulting Forester	Forestry services-RPF	118 Clough St	Quincy	95971-0374	Brian Wayland	283-1921
Jim Marty	Survival exams, RPF - THP consulting	P.O. Box 859	Quincy	95971		283-0630
Jones Bob	Forestry services	371 3rd St	Quincy	95971-3052	Bob Jones	283-2921
Pew Forest Products Shop	Biomass removal	100 Bresciani Ln	Quincy	95971		284-7882
Professional Slashbusting Svcs	Forestry services-fuels reduction	1088 Pioneer Rd	Quincy	95971-4238	Chet Burgess	283-2160
Sierra Pacific Industries	Sawmill & power generation	1538 Lee Rd	Quincy	95971-0750	Randy Lilburn	283-2820
Thompson's Flameproofing	Local trucking	591 Bucks Lake Rd	Quincy	95971-1179	Tim Thompson	283-1778
Windward Forestry	Forestry services	P O Box 4100	Quincy	95971-4100	Stephen Windward	283-4473

### Forest Products Industry Establishments in the Portola Community Area

Business Name	Category	Address	City	Zip+4	Contact	Phone
Bill Banka Forestry Consulting	RPF, THP consulting	79746 Panoramic Rd	Portola	9612	Bill Banka	832-5123
Collier & Jacobson Water Transport	Local trucking, without storage	356 W Sierra St	Portola	96122-1708	Ron Jacobson	832-4868
Fischer, John	Fire prevention services	P.O. Box 384	Blairsden	96103		836-2282
Graeagle Timber	Logging	1 Apache Dr	Blairsden	96103-0006	Peter Thill	836-2751
Sierra Valley Truss Company-Pearson Bros Inc	Prefabricated wood buildings	190 Industrial Way	Portola	96122-1390	William Pearson	832-5159
Wirta Logging	Conventional and mechanical logging	P.O. Box 1356	Portola	96122		832-1054
*Raymond, Robert	Forestry services	345 Upper Main	Clio	96106		836-1339

\*Probably working in forest products industry, but unable to contact in 2005

### Forest Products Industry Establishments in the Loyalton Community Area

Business Name	Category	Address	City	Zip+4	Contact	Phone
Hood Logging	Logging-Logging camps and contractors	63051 Hwy 49	Loyalton	96118-1107	Edward Hood	993-1410

L Gallagher Trucking	Log hauling	511 S Lincoln	Sierraville	96126	994-3354
RB Logging & Firewood	Logging	140 Lincoln St	Sierraville	96126-0215	994-3606
Sierra Pacific Industries	Power generation	Railroad Ave	Loyalton	96118-0208	993-4402
Timberline Logging	Conventional logging	712 Main St	Loyalton	96118-0583	993-4263

### Forest Products Industry Establishments in the Nine Counties Surveyed – Outside Pilot Project Area

Business Name	Category	Address	City	Zip+4	Contact	Phone
Aero Union Corporation	Forestry services	747 Fortress	Chico	95973		896-3040
Aero Union Inc	Fire fighting services	100 Lockheed Ave	Chico	95973	Terry Unsworth	896-3000
Allen Jacobs and Associates	Resource consulting		Chico			343-1947
Alpine Land Info Svcs	Forestry services	5520 Mountain View Dr	Redding	96049-4789	Randy McCabe	222-8100
Amundson Tom Timber Filing Cntr	Logging-Timber, cut at logging camp	14615 River Oaks Dr	Red Bluff	96080-9338	Thomas Amundson	529-0504
Arroyo Chico Resources						894-3320
Associated Arborists						521-5694
Atchley timber falling	Forestry services	1169 De Moll Dr	Redding	96002-3223	Joseph Atchley	223-0846
Beckett Logging	Logging	13650 Oak Run Rd	Oak Run	96069-9624	David Beckett	472-3630
Berryman Trucking	Log hauling	1229 Feather Ave	Oroville	95965-4214	Mr. William Berryman	533-3275
Best, Roland	Lumber and timber trucking	P.B. Box 48	Anderson			945-5182
Big Hill Logging & Rd Building	Conventional and helicopter logging	915 Hutchins Dr	Gridley	95948-9451	Macarthur Siller	846-4848
Bigelow Land and Timber	Conventional logging & tree service	P.O. Box 2751	Oroville			589-1000
Bob Bowman	Fire fighting services, forest	Star Rte Hwy 495	Sierra City	96125	Bob Bowman	862-1319
Borden Mfg	Wooden frame maker	6240 Grange Rd	Cottonwood	96022-1030	Ralph Borden	824-6864
Boucher Joel Trail Rcnstrction	Forestry services - trail construction	15 Lake St	Sierra City	96125-0124	Joel Boucher	862-1339
Bracken Trucking	Log hauling	23000 Bracken Ln	Red Bluff	96080-8869	Terry Bracken	527-4155
Cadwallader, Roger	Fire fighting services, forest	1354 4th Ave	Corning			824-2643
Ca-Mil Trucking	Equipment hauling	3035 Twin Vw	Redding	96099-2008	Bruce Miller	245-0127
Chapman Tika	Forestry services	134 Rutherford Ln	Oroville	95966-9314	Tika Chapman	534-3500
Chris' Forest Products	Bark & mulch processing	PO Box 2137	Paradise			877-7774
Continental Resource Solution	Rpf	1615 continial	Redding	96099-0218	Brad Seaburg	246-2455
Crane Mills	Logging-Logging camps and contractors	P O Box 318	Corning	96021-0318	Robert Crane	824-5427
Cumpton Trucking Inc	Lumber hauling	13565 Highway 36 E	Red Bluff	96080-8840	Lawrence Cumpton	527-4102
Dan Kennedy Timber Consultant	Timber estimating services	800 Cynthia Ln	Paradise	95969-2552	Daniel Kennedy	872-1651
Dave Dial Logging	Logging					478-0456
Debbie Partida	Fire fighting services, forest	149 Inglewood Dr	Oroville	95966-7120	Debbie Partida	533-9224
Del Terra Inc	Surveying	1168 Industrial St	Redding	96002		241-8050

Denco	Timber valuation services	2771 Old Stage Rd	Oak Run	96069-0024	Dennis Strawn	472-3270
Earl R Lee Timber	Timber falling	977 Central Park Dr		95969-3347	Earl Lee	872-2596
Elam Oliver Land & Timber	Logging	P O Box 5213	Oroville	95966-0213		533-8224
Enplan	Environmental consulting	1840 Churn Creek Rd.	Redding	96002	Craig Carter	221-0440
Fire Behavior Predictive Services	Fire prevention services	2060 Amanda Way	Chico		James Wills	896-0644
Firestorm Wildland Fire Suppre	Fire fighting services	P O Box 495	Chico	95927-0495	James Wills	898-8153
Foresters Co-Op	Forestry services		Grass Valley	95945	Tom Amesbury	273-8326
Foster & Sons Trucking	Log hauling	10780 Whispering Pines Ln	Nevada City	95959-1818	Ronne Foster	265-2153
Franklin Logging	Logging	11906 Wilson Way	Bella Vista	96008-1303	Ralph Franklin	549-4924
Froome Jim Logging	Logging	12630 Wilder Rd	Red Bluff	96080-9758	James Froome	529-0287
Galloway Consulting	Resource consulting		Chico			343-8327
Greg Caldwell Logging	Logging-Logging camps and contractors	2251 Alden Ave	Redding	96002-2336		222-1163
Harrison George Timber Falling	Timber falling	12444 McCourtney Rd	Grass Valley	95945-0198	George Harrison	272-7959
Havers Survey Stakes	Wooden stakes	7540 cutler avenue	Orland	95963	Julie bracauz	865-0105
Herrick, Tom	Fire fighting services	4082 Via Maria Lane	Chico			899-3705
High Sierra Fire Inc	Forestry services	2847 Foxglove Ln	Redding	96001-5713	Jerry Vice	243-7222
Howell It Is	Forestry		Gridley			846-7962
J&J Logging	Logging	320 Black Bart Rd	Oroville	95966-8984	Joey Jackson	589-0385
Jackson and Wright Enterp	Conventional logging	1845 Mount Ida Rd	Oroville		Jerold Wright	589-1720
James Filmore Timber Fall	Forestry services	20391 Jellys Ferry Rd	Anderson	96007-9718	James Filmore	365-4620
James L Morgan	Forestry services	4080 Hildale Ave	Oroville	95966-9502	James Morgan	589-0999
Jennings, Dan	Fire prevention services	241 Apple Valley	Chico	95973		345-8891
Jim Dias Trucking Inc	Equipment hauling	7540 Cutler Ave.	Orland	95963	Jim Dias	345-8114
John L Smith & Sons Land Cirng	Logging	13320 Orton Rd	Grass Valley	95945-8612	John Smith	273-8832
John Wheeler Logging Inc	Conventional, cable, and mechanical logging	13570 State Highway 36 E	Red Bluff	96080-0339	Dave Holder	527-2993
Jones & Wagenfuhr Logging	Conventional logging	3700 Marguerite Ave	Corning	96021-9651	Tom Jones	824-2547
K M Snodgrass Trucking	Wood chip hauling, now hauls logs	1511 Keko St	Oroville	95965-4230	K Snodgrass	533-4700
Kennie C Knowles Trucking	Lumber hauling	3411 S Market St	Redding	96099-4732	Kennie Knowles	243-1366
Knox Logging	Forestry services	P.O. Box 155	Doyle		Ramond Knox	827-3380
Kubich Forest Products	Log hauling	10972 Mountaineer Trl	Grass Valley	95945-8517	Mark Kubich	272-3226
Kubich Lumber	Sawmills and planing mills, general	11099 Mountaineer Trl	Grass Valley	95945-8517	Dave Kubich	272-8540
Lassen Forest Products	Bark & mulch processing	22829 Casale Rd	Red Bluff	96080-1502	Pete Brunello	527-7677
Lawrence Jones	Fire fighting water truck	6601 Stoney Dr	Redding	96002-9653	Lawrence Jones	378-0646
Lawson Enterprises Inc	Wood chip hauling	35 Southview Dr	Oroville		Mark Lawson	533-3871
Leo Murrer	Forestry services	P O Box 548	Red Bluff	96080-0548	Leo Murrer	529-6628
Levy David Forestry	Forestry services	305 Railroad Ave Ste 7	Nevada City	95959-2854	David Levy	273-4578



Linnet, Shirley	Forestry services	20205 Hucklebury	Corning	518-5370
Lolas Fire Wtr & Tankard Svc	Fire prevention services, forest	P O Box 522	Forest Ranch	Lola Spees-Finley 873-3867
Lonnie Johnson & Son Inc	Lumber hauling	2965 Louis Ave	Oroville	95966-9336 Lawrin Johnson 533-3369
Loren D Stocks	Timber, cut at logging camp	214 White Rd	Red Bluff	96080-2920 Loren Stocks 527-1480
Louisiana-Pacific Corporation	Mfg wooden l beams	11500 Reading Rd	Red Bluff	96080-9745 Richard Rist 527-4343
Mayo Lumber and Millwork	Sawmills and planing mills, general	P O Box 3550	Shasta Lake	96019 Michael Mayo 275-8394
McCollum Tree Service	Forestry services	1337 Bruce Street	Chico	Robert McCollum 343-9726
Monty Bettendorf Enterprizes	Sawdust and waste hauling from mills	20348 Lords Ln	Redding	96003-8106 365-1954
Moss Lumber Co Inc	Truss manufacturing	5321 Eastside Rd	Redding	96099-1450 Gregory Moss 244-0700
Mountain Clearing and Brushing	Forestry services-Fuels reduction	10031 Joerschke Dr Suite F	Grass Valley	95945 Hollas Day 273-8370
Mountineers Fire Crews	Forestry services-fire suppression	3777 Meadow View Dr C	Redding	96002-9767 Thomas Wesley 365-9128
Natures Bounty	Forestry services - cone collection	1824 Heller Ln	Redding	96001-4424 Bruce Hughes 243-9010
Neubert Milling Lumber	General-Planing mills	250 Romano Ranch Rd	Sierra City	96125-0096 Richard Neubert 862-1348
North State Resources inc	Consulting	5000 Bechelli Ln, Suite 203	Redding	96002 222-5347
PA & PA Enterprises	Timber falling	7580 Humboldt Rd	Forest Ranch	95942-9719 Paul Adams 873-6932
Pacific Oroville Power Inc	Electricity production from wood chips	3050 S 5th Ave	Oroville	95965 224-3300
Pacific Wood Fuel	Sawmills and planing			532-0832
Petrey Logging Inc	Logging camps and contractors	P O Box 1517	Shasta Lake	96019-1517 Wayne Logan 275-3273
Phillips Transport	Lumber (log) trucking, local	935 Sunrise Dr	Red Bluff	96080-2835 Eddie Phillips 529-0741
Premdor Wood Products	Door manufacturing	22885 South Ave	Corning	96021-0285 Stan Figgins 824-2121
Randy Vasques	Forestry		Oroville	95966 Randy Vasques 534-5229
Richard Halcome	Logging camps and contractors	35269 Deer Flat Rd	Shingletown	96088-9544 Richard Halcome 474-1714
Richards, Roy	Forestry services	17985 Hooker Cr	Cottonwood	347-3152
Rick Everett Contracting	Fire fighting services, forest	29185 Park Rd	Round Mountain	96084 Rick Everett 337-6854
Rick Russell	Forestry services	715 Oleta Dr	Redding	96003-2222 Rick Russell 242-6254
Rios, John	Fire fighting services	860 E 16th	Chico	879-9318
Robert Vaughan	Logging	240 Mount Ida Rd	Oroville	95966-7711 Robert Vaughan 533-6259
Robinson Enterprises Inc	Conventional logging	293 Lower Grass Valley Rd	Nevada City	95959-3101 Mowell Robinson 265-5844
Rod Short Logging	Logging	2658 Oak Knoll Way	Oroville	95966-7105 Rod Short 532-0287
Ron Ramsey	Sawmills and planing mills, general	20491 Woodpecker Ravine Rd	Grass Valley	95945-8825 Ron Ramsey 477-9456

Ronda K Holmes	Forestry services	9173 Irish Creek Ln	Redding	96001-9747	Ronda Holmes	244-4502
Rudy Mendoza	Forestry services	5034 Kevin Ln	Shasta Lake	96019-9741	Rudy Mendoza	275-8467
Sanders Trucking	Local trucking, without storage	23640 Gyle Rd	Gerber	96035-9609	Dewight Sanders	824-3809
Saya Company	Forestry services	P O Box 3145	Grass Valley	95945-3145	Joanne Jenkins	274-8266
Seizer Forest Products Inc	Sawmill	1980 Kusel Rd	Oroville	95966-9528	Terry Dunn	534-8100
Shasta Land Management		1229 South St	Redding	96002		225-8900
Shasta Lumber Transport, C S	Lumber and log hauling	4401 Indian Ave	Shasta Lake	96079-1106	Calvin Stanley	275-3349
Stanley Inc						
Sierra Pacific Industries	Sawmill	3025 South 5 <sup>th</sup> Avenue	Oroville		Mark Lathrop	532-6630
Sierra Pacific Industries	Millwork	11400 Reading Rd	Red Bluff	96080-8460	Greg Thom	529-5108
Sierra Pacific Industries	Sawmill	19758 Riverside Ave	Anderson	96007-1939	Jerry Harrington	378-8350
Sierra Pacific Industries	Sawmill	19794 Riverside Ave	Redding	96049-6028	A Emmerson	378-8000
Sierra Pacific Industries	Sawmill	3735 El Cajon Ave	Shasta Lake	96019-9211	Darrell Dearman	275-8851
Sierra Pacific Industries	Forestry division		Anderson	96040		
Sierra Timber Products Inc	Conventional and mechanical logging	206 Sacramento St # 201	Nevada City		Frank Pendola	271-0768
Siskiyou Forest Products	Lumber remanufacturing		Anderson	96007		378-6980
Skoverski Logging	Conventional logging	12212 Robinson Rd	North San Juan	95960-0183	John Skoverski	292-3393
Sound Forest Technologies Lic	Forestry services- Reforestation	7036 Westside Rd Ste 103	Redding	96099-7068	Randy McDaniel	535-365-1000
Sound Stud, Siller Brothers Inc	Sawmill	2497 Latona Rd	Anderson	96007-1488	Andrew Siller	365-0112
Spar Tree Forestry Inc	Cable logging	16748 Excelsior Ditch	Nevada City	95959	James Miller	265-8733
Stan Leach Timber Incorporated	Logging	P O Box 280	French Gulch	96033-0280	Stan Leach	359-2249
Stephen R Paul	Forestry services	P O Box 310	Round Mountain	96084-0310	Stephen Paul	337-6294
Striebel, Jody	Forestry services	24683 Dale Road	Corning			824-1681
Summit Forestry Svc	Forestry services- RFP	16178 Greenhorn Rd	Grass Valley	95945		272-8242
Susan E Partida	Fire fighting services, forest	149 Inglewood Dr	Oroville	95966-7120	Susan Partida	533-5622
Tahoe Sugarpine Co	Forestry services- thinning	1847 Robinson St	Oroville	95966-0663	Randolph Vasquez	534-5229
Timber Pros	Logging	15106 Oak Meadow Rd	Penn Valley	95946-9363	Larry Beaver	477-2475
Tom Patrick and Son	Forestry services	2042 Neptune Ter	Redding	96002-3009	Tom Patrick	226-9210
Torgie Tree Topplers Inc	Timber falling	215 Hill St	Grass Valley	95945-6312	Eric Torgirson	273-2525
Trinity River Lumber co	Sawmill	680 Cal Oak Rd	Oroville	95965-9621		532-0621
Western Coal and Timber		PMB 203, P.O. Box 1502	Red Bluff	96080		589-5245
Westgate Hardwoods Inc	Millwork	2300 Park Ave Ste B	Chico	95928-6787	Ivan Hoath	893-0411

Wheeler Shasta/ Wheeler Hudson	Electricity production from wood chips	20811 Industrial Road	Anderson	96007	Jerry Robenstine	365-9172
Wildland Fire Management	Forestry services-Fire prevention	11543 Via Vis	Nevada City	95959-9639	David Nelson	265-3933
William M Chrisman	Logging	P O Box 58	Berry Creek	95916-0058	William Chrisman	589-3472
Woolery Logging/Violetti Brothers Logging Co	Conventional logging	1397 Montgomery Rd	Red Bluff	96080-1502	Gary Violetti	529-2121
*A W Beeson & Associates Inc	Forestry services	13320 Evergreen Dr	Nevada City	95959-9642	Allan Beeson	265-5489
*Amanda S Evans	Forestry services	851 Mission De Oro Apt. 102	Redding	96003	Amanda Evans	223-3314
*Barry Brown Inc	Fire fighting services, forest	2205 Hilltop Dr 6014	Redding	96002-0511	Barry Brown	541-915- 4200
*Bevan Chilcott Enterprises	Logging		Redding	96003-9656	Bevan Chilcott	223-5528
*Bill Elam Jr Logging	Local trucking, without storage	5440 Old Olive Hwy	Oroville	95966-8809	William Elam	589-2251
*Bob Havens Trucking	Lumber and log hauling	16655 Evergreen Rd	Cottonwood	96022-1439	Bob Havens	347-6126
*Brummer Dan Consulting Forester	Fire prevention services, forest		Redding	96001-4917	Dan Brummer	246-3325
*Caster Forestry Consultants	Forestry services	1614 Continental St	Redding	96001-1133	Paul Caster	241-1293
*Charles Stauff c&m	Reforestation services		Redding	96002-9794	Charles Stauff	221-4866
*Chip Lighthouse Company	Logging		Redding	96003-4142	Ed Coontjer	243-3805
*Dasilva Brothers Timber	Log hauling	19175 Terry Rd	Cottonwood	96022-9387		347-5453
*Dennis Elliott Logging	Logging	13596 Gracie Rd	Nevada City	95959-1942	Dennis Elliott	272-0755
*Eastside Logging Inc	96022-1140	530-251-2524	Cottonwood			
*Eric Taylor	Logging camps and contractors		Redding			244-6160
*Forest Granite Inc	Logging	1700 Market St	Redding	96001-1932	William Potter	244-8474
*Forestry Professional Svcs	Grass valley	10055 Round Valley Rd			Terry Rogers	268-2725
*Frutado AG Construction	Forestry services	P.O. Box 1435	Corning		Tony Shwan Furtado	824-1102
*Gerspacher Brothers Logging	Logging	2903 Neal Rd	Paradise	95969-6169	Mathew Gerspacher	872-8711
*Independent Check Scaling	Logging-Logging camps and contractors	5887 Fagan Dr	Redding	96001-4603	Robert Foote	246-2278
*Isringhausen Logging & Eqp	Logging	18887 River Ranch Rd	Anderson	96007-9492	F Isringhausen	243-4990
*J & K Logging Incorporate	Conventional logging	4850 Caterpillar Rd	Redding	96003-1402	Nicole McCollum	247-3200
*Jane Kane Logging	Logging camps	22940 Adobe Rad	Cottonwood			347-3661
*Joe D Smalles Forestry Inc	Rfp	5050 Cohasset Rd Bldg 5a	Chico	95927-0398	Joe Smalles	898-8000
*John Dittes	Consulting		Chico			895-0439
*Klamath Wildlife Services		1760 Kenyon Drive	Redding	96001		244-5632
*Lansing Thornton Silvscript	Forestry services	13908 Bear Mountain Rd	Redding	96003-7813	Lansing Thornton	275-0626

*Lapast Inc	Logging	6536 Oak Bottom	Anderson	Anthony Cramer	365-4800
*Larry Harrington	Cone collection	481 1/2 6th ave	Chico	Larry Harrington	899-1953
*Lasha Trucking	Log and chip hauling	9871 Deschutes Rd	Palo Cedro	Delmar Scott	547-5577
*Latona Lumber Co, Wisconsin-California Forest Pkts	Sawmill	19214 Latona Rd	Anderson	William Berry	241-8310
*Mason Bruce & Girard Inc	Forestry services-RPF	1615 Continental St 100	Redding	Brad Seaberg	246-2455
*Matt Anchoordoguy Co	Fire prevention services, forest	4030 Rowles Rd	Vina	Matt Anchoordoguy	839-2292
*McCaffree Logging	Logging-Logging camps and contractors	14624 Deerhaven Ln	Nevada City	Patrick McCaffree	265-3930
*Mora Reforestation, La Sierrita Reforestation Services, Salvador Birrada Reforestation Services	Forestry services-reforestation	2640 Green Meadows Ln	Corning	Hilda Lucatero	824-4101
*North West Logging	Logging-Logging and log hauling		Redding	Ms.Robbie Cattanach	245 0290
*Penland Enterprises	Forestry services	P O Box 303	Big Bend	Randy Penland	337-6471
*Pyro Silviculture				Michael Resain	238-8766
*Robbie Cattanach Trucking	Lumber hauling	7211 Sands Ln	Redding	Robbie Cattanach	245-0290
*Robert W Thurman				Robert Thurman	357-4117
*Shasta Paper Company	Paper mills	21091 Hawes Rd	Anderson	Gary Haden	378-6200
*Simonis Logging	Logging-Logging camps and contractors	22509 Knollwood Dr	Palo Cedro	Walter Simonis	547-4226
*Taylor Richard C. Trucking	Log and chip hauling	19919 Alexander Ave	Anderson	Richard Taylor	365-6173
*Thomes Creek Logging Inc	Logging-Logging camps and contractors	10971 Oak Run Rd	Palo Cedro	David Slagle	547-3131
*Thurman, Robert W.	Forestry services	16939 Blue Horse	Anderson		357-4117
*Tim Weston Falling	Forestry services	19370 Executive	Corning		824-1559
*Top Dog Timber Falling	Forestry services	10925 W River St	Truckee	Ralph Rosellen	582-9331
*Tree Care Unlimited		P.O. Box 711	Berry Creek		521-9325
*West Mountain Timber	Forestry services	222 Rio Bravo Ct	Corning		824-1845
*Winegar Jim, Winegar Jim Trckg Palo Cedro	Chip hauling	9481 Cedro Ln	Palo Cedro	James Winegar	547-4810
*Wisconsin-California Forest Pkts	Sawmill	8013 E Side Rd	Redding	William Berry	241-8310
*Wolverton Trucking Inc	Log hauling	4659 Rhonda Rd	Anderson	Norman Wolverton	365-4050

\*Probably working in forest products industry, but unable to contact in 2004





# **Appendix G**

## **Plumas Lassen Study Owl Module**

# California Spotted Owl Module: 2005 Annual Report

## Principal Investigators:

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## Research Team:

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## Introduction

Knowledge regarding the effects of fuels and vegetation management on California spotted owls (*Strix occidentalis occidentalis*; CSOs) and their habitat is a primary information need for addressing conservation and management objectives in Sierra Nevada forests. The specific research objectives of the California spotted owl module as identified and described in the Plumas-Lassen Study (PLS) Plan are:

1. What are the associations among landscape fuels treatments and CSO density, distribution, population trends and habitat suitability at the landscape-scale?
2. What are the associations among landscape fuels treatments and CSO reproduction, survival, and habitat fitness potential at the core area/home range scales?
3. What are the associations among landscape fuels treatments and CSO habitat use and home range configuration at the core area/home range scale?
4. What is the population trend of CSO in the northern Sierra Nevada and which factors account for variation in population trend?
5. Are barred owls increasing in the northern Sierra Nevada, what factors are associated with their distribution and abundance, and are they associated with reduced CSO territory occupancy?
6. Does West Nile Virus affect the survival, distribution and abundance of California spotted owls in the study area?

Current information on the distribution and density of CSOs across the HFQLG study area is required to provide the data necessary to build predictive habitat models and provide baseline population information against which we will assess post-treatment changes in CSO populations and habitat. Our focus in 2005 was to complete collection of CSO surveys and continue banding

to provide the required baseline information to meet the objectives of Research Questions 1-4 identified above. Complete landscape inventory surveys were conducted across 11 survey areas in 2005 (Figure 1). Details on survey methods are described in the study plan. Efforts were made to monitor the pair and reproductive status of each owl, and to capture, uniquely color-mark, and collect blood samples from each individual owl. Capture and color-marking is necessary to estimate survival and population trend, and to assess exposure to West Nile Virus (WNV)(Research Question #6). We also recorded all barred and hybrid barred-spotted owls encountered in the study area and synthesized all existing barred owl records for the northern Sierra Nevada to address Research Question #5.

## Results

**CSO Numbers, Reproductive Success, and Density:** A total of 103 territorial CSO sites were documented in 2005 across the study area (Figure 2). This total consisted of 76 confirmed pairs, 17 unconfirmed pairs (i.e., one member of pair confirmed as territorial single plus single detection of opposite sex bird), and 10 territorial single CSOs (single owl detected multiple times with no pair-mate detected). Seventeen pairs successfully reproduced in 2005 (22% of confirmed pairs). A total of 26 fledged young were documented (1.53 young per successful nest).

We estimated the crude density of CSOs based on the number of territorial owls detected in each of the 11 survey areas during 2005 surveys at the Treatment Unit and Cal-Planning Watershed spatial scales (Table 1, Figure 3). The estimated crude density across the study area was 0.068 territorial owls/km<sup>2</sup> (Table 1). Estimated mean crude density across 60 CAL-Planning Watersheds that were completely surveyed was 0.070 territorial owls/km<sup>2</sup> (Figure 3).

**Table 1. Crude density of territorial California spotted owls across survey areas on the Plumas National Forest in 2005. Locations of survey areas are identified in Figure 1.**

Survey Area	Size (km <sup>2</sup> )	Crude Density of Territorial CSOs
SA-2	182.5	0.132 /km <sup>2</sup>
SA-3	218.5	0.082 /km <sup>2</sup>
SA-4	238.3	0.050 /km <sup>2</sup>
SA-5	260.3	0.069 /km <sup>2</sup>
SA-7	210.4	0.062 /km <sup>2</sup>
SA-1A	190.5	0.058 /km <sup>2</sup>
SA-1B	130.4	0.023 /km <sup>2</sup>
SA-11	180.0	0.044 /km <sup>2</sup>
SA-12	192.4	0.094 /km <sup>2</sup>
SA-13	193.4	0.072 /km <sup>2</sup>
SA-14	331.2	0.063 /km <sup>2</sup>
SA-15	317.4	0.060 /km <sup>2</sup>
Total Study Area	2,645.3	0.068 /km <sup>2</sup>

**Vegetation Sampling – Nest Plots:** Vegetation plots were measured at eighty CSO nest territories in 2005. Vegetation plots were centered on nest CSO nest trees were measured using the national Forest and Inventory Assessment (FIA) protocol. The FIA protocol is used nationally by the USDA Forest Service for inventorying and monitoring vegetation. Use of the FIA sampling protocol will facilitate monitoring of vegetation and development of CSO habitat models that can be used as adaptive management planning tools. Habitat models are currently being evaluated that can be used to assess projected changes in CSO nesting habitat suitability under varying fuels and vegetation treatment scenarios.

**Banding, Blood Sampling, West Nile Virus Monitoring:** Eighty-three owls were captured and banded in 2005. This included 50 new CSOs (i.e., owls banded for the first time) and 33 recaptures. Blood samples were collected from 76 individuals and screened at the University of California, Davis for West Nile Virus antibodies. None of the 76 individuals tested positive for WNV antibodies in 2005.

**Barred and Spurred (spotted/barred hybrid) Distributional Records:** We detected the presence of 1 barred owl and 3 spurred owls during 2005 surveys within the overall study area. Our synthesis and update of barred-spurred owl records through 2005 based on Forest Service and California Department of Fish and Game databases indicates that there are a minimum of 33 individual site records across the northern Sierra Nevada (Figure 4). The first barred owl in the region was reported in 1989. Twenty-one of the 33 site-records were recorded and known occupied between 2002-2005. The pattern of records suggests that barred/spurred owls have been increasing in the northern Sierra Nevada between 1989-2005.

**California Spotted Owl Diet:** A single survey plot was established at a CSO nest or roost location at each CSO territory on the Plumas National Forest in 2003-2005. Systematic searches for pellets and prey remains were conducted in each plot during each year. A total of 2256 pellets have been collected over the three years (2003 = 606; 2004 = 812; 2005 = 838). To date 1418 pellets have been sorted and all prey items identified to species or taxonomic group when species identification could not be ascertained. Mammals comprised the dominant taxonomic group identified in the diet. The three most frequently detected species were the dusky-footed woodrat (detected in 43% of pellets), northern flying squirrel (detected in 39% of pellets), and *Peromyscus* species (detected in 27% of pellets)(Table 2).

**Current Research: 2005-2006:** In addition to continuing field surveys in 2006 designed to address our six research questions, our emphasis will broaden to focus on the development of predictive habitat relationship models as described in the module study plan. Baseline information collected in 2002-2005 forms the foundation for this phase of the research. These models should be completed in Winter 2005-2006. We also are expanding the scope of our study to fully collaborate and integrate our work with the ongoing Lassen Demographic study. This collaboration and integration will broaden the base of CSO distributional and demographic information that can be used to develop predictive habitat models for our use in an adaptive management framework and to directly monitor implementation of the HFQLG project.

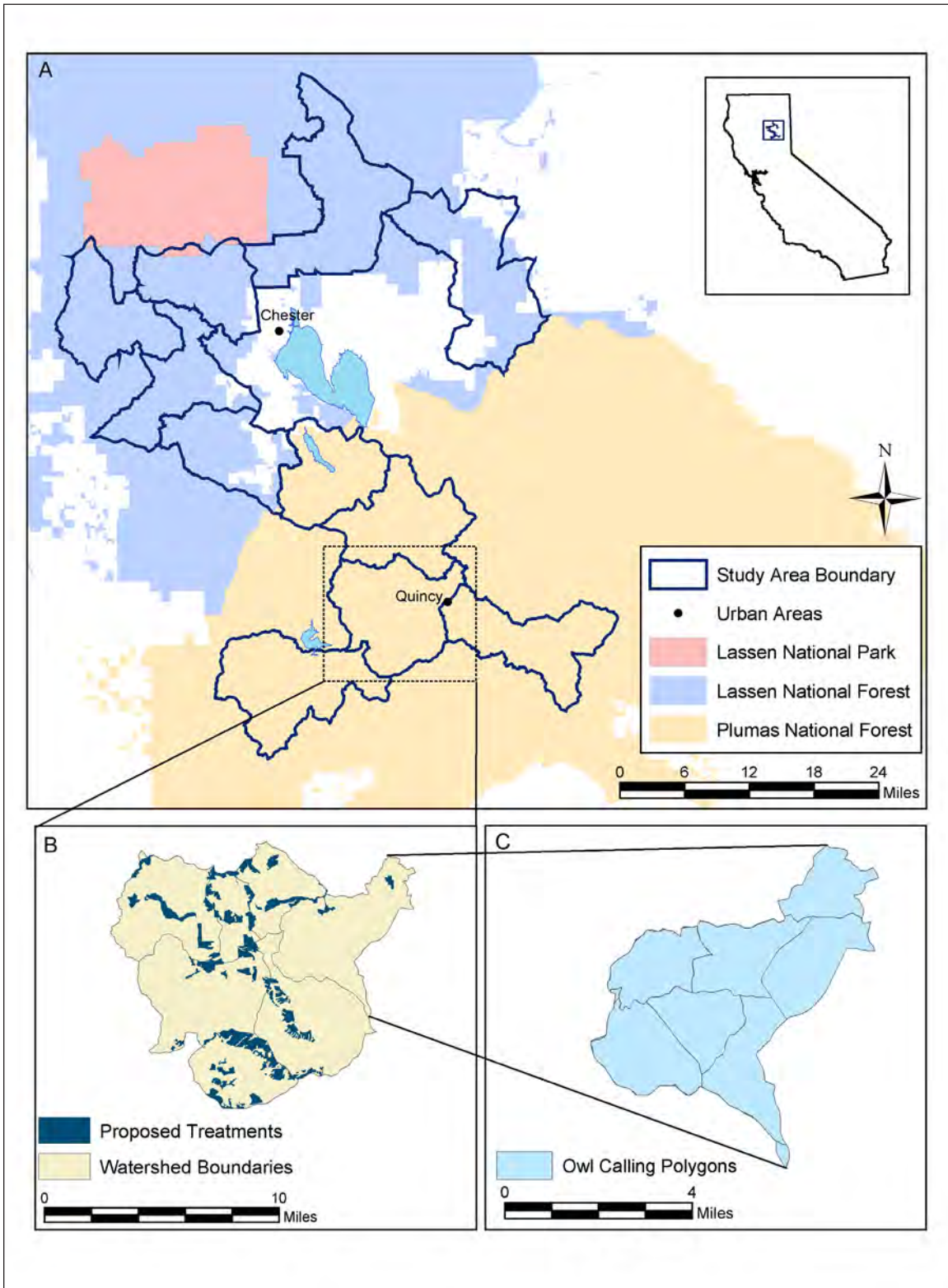


Figure 1. (A) Location of CSO Survey Plots surveyed in 2005. (B) Example of original survey plot consisting of multiple Cal-Planning watersheds. (C) Example of Primary Sampling Units for surveying for CSOs. See text and study plan for further details .



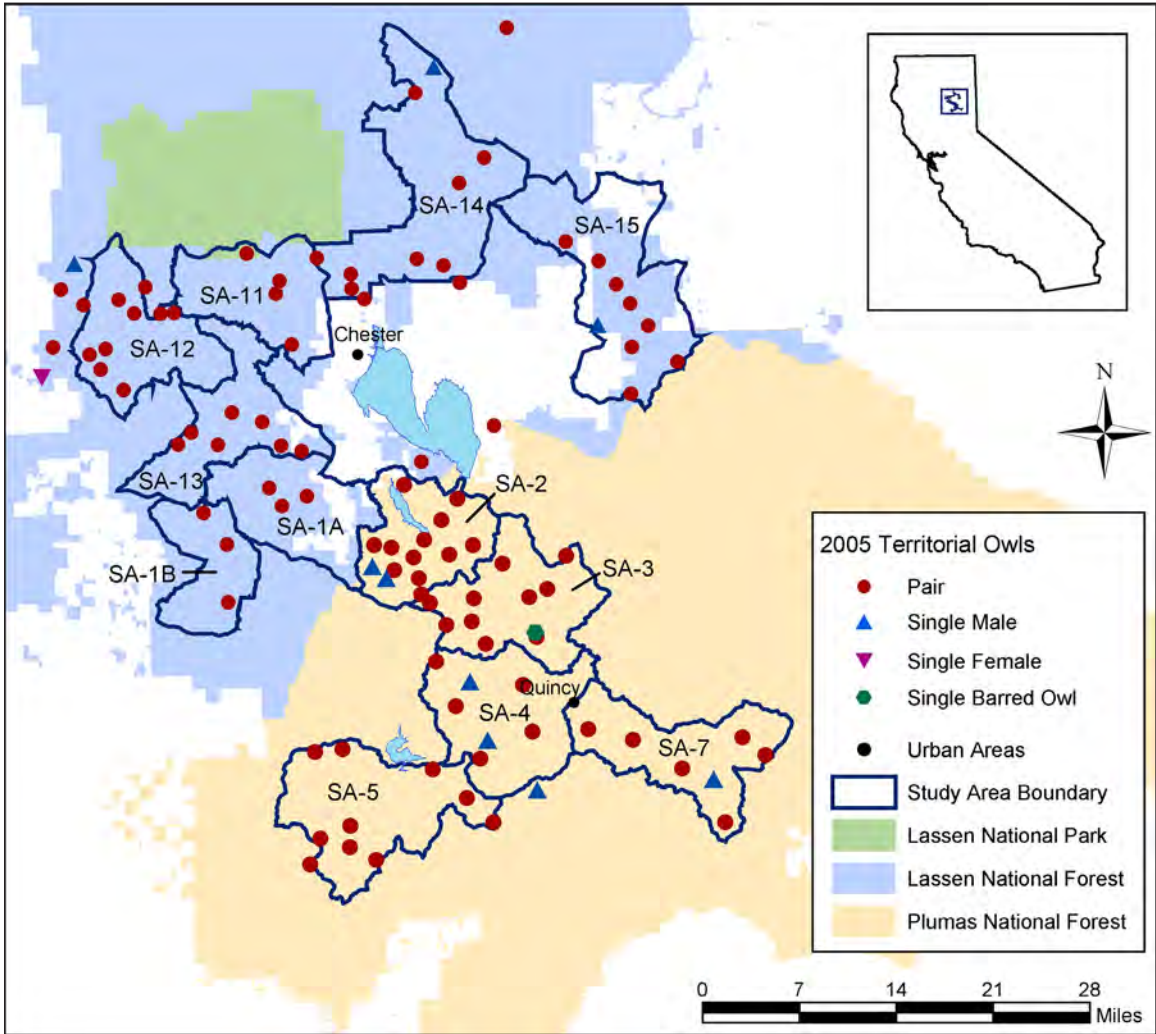


Figure 2. Distribution of California spotted owl territories within CSO survey plots across the Plumas National Forest, 2005.

Figure 3a.

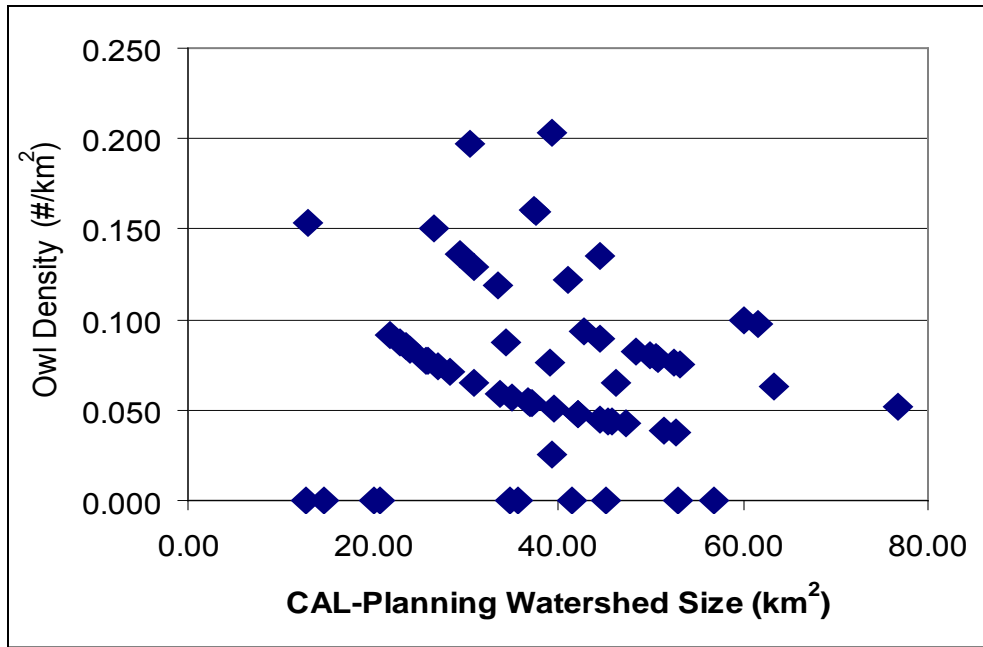


Figure 3b.

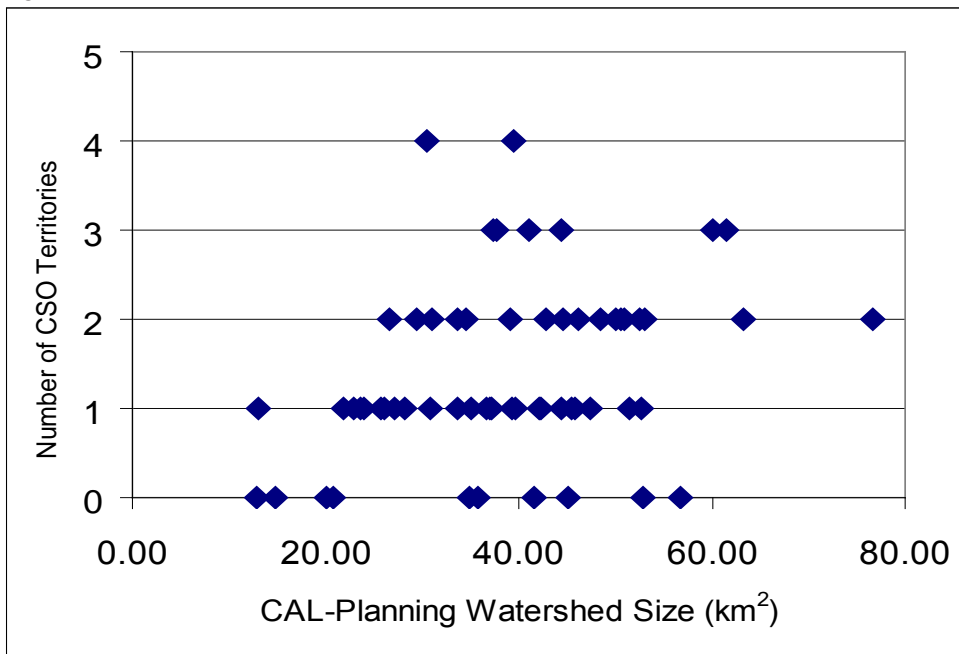


Figure 3. (a) Estimated crude density of territorial California spotted owls across CAL-Planning Watersheds, and (b) number of California spotted territories across CAL-Planning Watersheds on the Plumas National Forest during 2005.



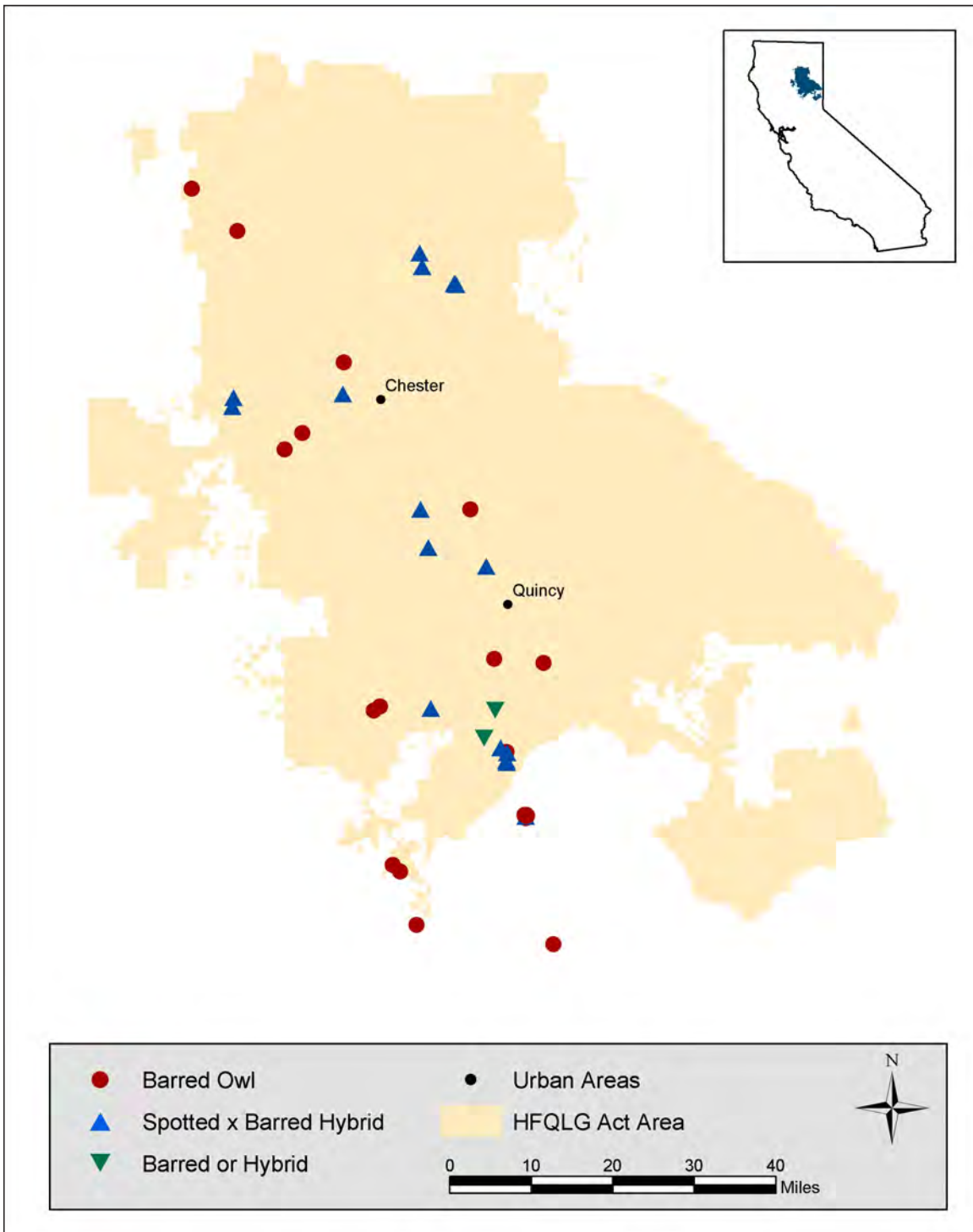


Figure 4. Distribution of Barred and Sparrred (Spotted-Barred hybrids) Owls between 1989-2005 within the HFQLG Project area.

Table 2. Prey species occurrences in California spotted owl pellets collected on the Plumas National Forest 2003-2004.

Prey Species	Number of 2003 Pellets Containing Taxon (n=606)	Percentage of 2003 Pellets Containing Taxon	Number of 2004 Pellets Containing Taxon (n=812)	Percentage of 2004 Pellets Containing Taxon	Total Number of Pellets Containing Taxon (n=1418)	Total Percentage of Pellets Containing Taxon
<b>Mammals</b>	<b>581</b>	<b>95.87</b>	<b>797</b>	<b>98.15</b>	<b>1378</b>	<b>97.18</b>
Dusky-footed woodrat (Neotoma fuscipes)	287	47.36	318	39.16	605	42.67
Northern flying squirrel (Glaucomys sabrinus)	254	41.91	298	36.70	552	38.93
Deer mouse (Peromyscus spp.)	145	23.93	237	29.19	382	26.94
Unidentified mouse (Peromyscus spp. or Mus musculus)	16	2.64	32	3.94	48	3.39
California red-backed vole (Clethrionomys californicus)	11	1.82	11	1.35	22	1.55
Meadow voles (Microtus spp.)	12	1.98	32	3.94	44	3.10
Unidentified vole	6	0.99	6	0.74	12	0.85
Pocket gopher (Thomomys bottae)	26	4.29	73	8.99	99	6.98
Chipmunk (Tamias spp.)	6	0.99	32	3.94	38	2.68

**Table 2. Prey species occurrences in California spotted owl pellets collected on the Plumas National Forest 2003-2004.**

Prey Species	Number of 2003 Pellets Containing Taxon (n=606)	Percentage of 2003 Pellets Containing Taxon	Number of 2004 Pellets Containing Taxon (n=812)	Percentage of 2004 Pellets Containing Taxon	Total Number of Pellets Containing Taxon (n=1418)	Total Percentage of Pellets Containing Taxon
Western harvest mouse (Reithrodontomys magalotis)	0	0.00	1	0.12	1	0.07
Shrew (Sorex spp.)	22	3.63	40	4.93	62	4.37
Broad-footed mole (Scapanus latimanus)	23	3.80	89	10.96	112	7.90
Large bat (e.g., Eptesicus spp.)	8	1.32	13	1.60	21	1.48
Small bat (e.g., Myotis spp.)	10	1.65	8	0.99	18	1.27
Unidentified rabbit or hare (family Leporidae)	1	0.17	11	1.35	12	0.85
Unidentified large rodent (comparable to a woodrat)	15	2.48	28	3.45	43	3.03
Unidentified small rodent (comparable to a mouse)	30	4.95	56	6.90	86	6.06
Unidentified mammal	3	0.50	2	0.25	5	0.35
Unidentified vertebrate (may include non-mammals)	8	1.32	15	1.85	23	1.62

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Prey Species	Number of 2003 Pellets Containing Taxon (n=606)	Percentage of 2003 Pellets Containing Taxon	Number of 2004 Pellets Containing Taxon (n=812)	Percentage of 2004 Pellets Containing Taxon	Total Number of Pellets Containing Taxon (n=1418)	Total Percentage of Pellets Containing Taxon
<b>Birds</b>	<b>59</b>	<b>9.74</b>	<b>104</b>	<b>12.81</b>	<b>163</b>	<b>11.50</b>
Unidentified bird (unknown size)	4	0.66	4	0.49	8	0.56
Unidentified large bird (e.g., American robin)	23	3.80	38	4.68	61	4.30
Unidentified medium bird (e.g., western tanager)	15	2.48	31	3.82	46	3.24
Unidentified small bird (e.g., pine siskin)	12	1.98	20	2.46	32	2.26
Steller's jay (Cyanocitta stelleri)	2	0.33	5	0.62	7	0.49
Northern flicker (Colaptes auratus)	3	0.50	6	0.74	9	0.63
<b>Insects</b>	<b>82</b>	<b>13.53</b>	<b>145</b>	<b>17.86</b>	<b>231</b>	<b>16.29</b>
Long-horned beetle (Ergates spp.)	46	7.59	61	7.51	107	7.55
Giant lacewing (Polystoechotes lineata)	11	1.82	25	3.08	36	2.54