

Landowner Conservation Incentives

*...A Synthesis of Resource, Landowner
And Demographic Data*

Prepared by



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Introduction

It is simple enough to suggest that, as a matter of public policy, the State of Idaho should have incentives that would support conservation actions on private lands. These incentives, if they are to be effective should, first, offer farmers, ranchers and private timber owners with an alternative to selling their lands in the face of rapidly rising land values. Much of the habitat that fish and wildlife need to support parts of their complex life cycles is found on private lands across the state. We can only maintain that habitat if we help protect the traditional land uses that have been compatible with it. Second, the incentive should protect important fish, wildlife and environmental values, as measured by key habitats, quality water, security areas or migration corridors, among others.

At one time, Idaho did, in fact, have a tax credit that helped offset the costs of actions on private lands for many water quality or wildlife habitat improvements. That statute has since expired and there are but a few state-level programs that currently offer conservation incentives to private landowners. However while it may be simple to propose a new conservation incentive program, the state's experience with previous programs coupled with discussions over a potential new one, raises sharp questions. Among them are:

- What constitutes important conservation values?
- Where are these values found on private lands?
- What are the threats to these values and how can we measure their magnitude?
- Who owns these lands and what are they used for?
- Are there demographic characteristics that may indicate what types of incentives might be valuable and effective?
- What might be the total costs of an incentive program and where should it be targeted to be most effective?

These are difficult questions, where there is scant data to provide answers. However, these are the questions that political and opinion leaders will and should ask as the concept of landowner conservation incentives progresses. The object of this study, conducted on behalf of the Nature Conservancy in support of this discussion, to help answer these questions.

Methodology

Data exists to both describe various conservation values and to summarize changes in demographics or measures of development which might threaten those values. There is also data that summarizes private land ownership, where it is and the use to which the land has been dedicated. The challenge in this project was to describe each set of data in compatible terms so that it can be evaluated in a consistent manner for specific locations. The medium through which to do this is ArcView GIS software.

Land ownership data, while available from a number of sources is almost entirely tabular, acres of privately owned land by county, for example. This data, while useful, cannot be displayed spatially, i.e., a map of all the privately owned land in a county that equates to the tabular acreage. Without spatial data, there is no mechanism through which ArcView can link other coverages, including conservation values, development data or demographic information. To overcome this shortcoming, we used the USGS “GAP” vegetative cover and land use data for Idaho which we joined with the Idaho Department of Water Resources “land ownership in Idaho” data to produce a map with accompanying tabular data to show privately owned forests, rangelands and farmlands. Appendix I shows this data summarized for each county, as summarized in Table 1.

Table 1. Summary of Private Land Ownership and Uses, Idaho

Land Ownership and Categories (Acres)					% of Total Private Land			
Total Private Land	Agricultural Land	Private Forest	Private Range Land	Private Riparian	Agricultural Land	Private Forest	Private Range Land	Private Riparian
16,147,866	7,161,225	3,219,477	5,167,732	456,106	44.3	19.9	32.0	2.8

To this data, we joined numerous other data sets to arrive at county and state level measures of development, conservation values and demographic information. This allowed us to extract previously unavailable data, such as the number of miles of anadromous streams on private lands across the state or the acres of crucial elk winter range in each county. The basic data on conservation values, development and demographics included the following:

- Anadromous drainages and miles of streams
- Rural land assessments
- Population and population changes
- New residential construction
- Crucial habitat for elk
- Threatened, endangered and candidate species
- Use of “Farm Bill” conservation programs
- Farm lands, farm size and ownership
- Major rivers

- Domestic wells
- Major roads
- Numbers of second homes
- Vertebrate species richness

Data from each of these categories are displayed in the appendices. The major findings and highlights of the data and the analysis of it are summarized in a Powerpoint presentation which is included as a part of this final report.

Findings

1. While nearly two-thirds of Idaho is land managed by public agencies, much of the public land is either remote or high elevation. Private lands in the state typically occupy lower elevation lands and arable valley bottoms, the lands that early settlers recognized as valuable for home, farms and ranches and homesteaded.
2. As shown in Table 1, private lands include a mix of forests, rangelands and farms, as well as those that have been urbanized over the years.
3. Idaho has a wide variety of wildlife, with many fish and wildlife species with complex life cycles requiring a variety of habitat and conditions. For example, elk spend the summer months in the high mountains, but must head for warmer and less snowy valleys during the winter. Salmon and steelhead migrate to Idaho to spawn in either mountain streams or in rivers that often flow through private lands. Longbill Curlew live most of their lives near the coast but come to Idaho each spring to mate and raise their broods in agricultural areas.
4. The vast majority of Idaho's private lands remain in the hands of farmers and ranchers or timberland owners. These lands have readily identifiable fish and wildlife values and the stewardship of these lands has helped maintain and protect these values over the years.
5. Our state has experienced tremendous growth, particularly over the past two decades. People have flocked to our state, not only greatly expanding existing urban areas into previously rural lands, but also building homes in rural areas. Demand and prices for rural land have increased commensurately, greatly exceeding the value of this land for its traditional uses. The owners of rural lands and their families find these prices attractive and there has been a significant loss of farm, forest and ranch land as it is converted to rural residences and smaller rural tracts that no longer can be managed as profitable farms or ranches.
6. Inevitably, population growth and the conversion of rural lands from their traditional uses have impacted fish and wildlife values unfavorably. Subdivisions block historic big game migration patterns. Sediment from roads and construction sites find its way into spawning streams. The size of relatively intact,

undeveloped “patches” of rural lands has decreased along with security areas needed for such critical times as elk calving.

Conclusions

It is obvious that this report stops short of any response to the undeniable problems that unrestricted growth poses for Idaho’s fish, wildlife and open spaces. That was not the charge given to the authors by the sponsors. However, the report does highlight the problems and provides some insight on where they might be most acute. Hopefully, it will also help initiate the kinds of discussion among the state’s policy makers that can lead to ways in which the inevitable growth can be accommodated while minimizing the threats to the very conservation values that make Idaho so attractive to so many. Failure to achieve this threatens not only our fish and wildlife, but also the lifestyles that our people cherish.

Appendices

I. Private Lands

II. Population

III. Farm Data

IV. New Dwellings

V. Domestic Wells

VI. Rural Land Assessments

VII. Second Homes

VIII. River Miles

IX. Elk Range

X. Farm Bill Conservation Programs

XI. T&E Species

Appendix I. Private Lands

Private Land Ownership and Use by County

	Land Ownership and Categories					% of Total Private Land			
	Total Private Land	Agricultural Land	Private Forest	Private Range Land	Private Riparian	Agricultural Land	Private Forest	Private Range Land	Private Riparian
ADA	340,329	97,919	1,288	154,045	2,728	28.8	0.4	45.3	0.8
ADAMS	271,402	35,050	90,879	129,084	15,217	12.9	33.5	47.6	5.6
BANNOCK	375,035	152,526	35,585	190,729	6,704	40.7	9.5	50.9	1.8
BEAR LAKE	319,029	121,846	11,994	149,257	27,719	38.2	3.8	46.8	8.7
BENEWAH	376,283	60,178	243,356	57,698	12,203	16.0	64.7	15.3	3.2
BINGHAM	616,786	469,164	35,958	147,552	15,742	76.1	5.8	23.9	2.6
BLAINE	321,108	89,011	13,296	200,832	15,954	27.7	4.1	62.5	5.0
BOISE	231,017	4,875	91,652	122,636	9,541	2.1	39.7	53.1	4.1
BONNER	455,177	22,661	311,694	85,180	20,948	5.0	68.5	18.7	4.6
BONNEVILLE	571,694	369,724	50,584	121,826	16,356	64.7	8.8	21.3	2.9
BOUNDARY	227,440	64,134	119,426	34,633	4,532	28.2	52.5	15.2	2.0
BUTTE	168,753	97,479	1,754	64,882	6,516	57.8	1.0	38.4	3.9
CAMAS	225,566	113,091	3,958	104,411	4,071	50.1	1.8	46.3	1.8
CANYON	360,261	295,444	0	23,295	7,309	82.0	0.0	6.5	2.0
CARIBOU	520,744	318,571	43,327	151,569	17,297	61.2	8.3	29.1	3.3
CASSIA	714,635	446,969	16,973	255,513	3,304	62.5	2.4	35.8	0.5
CLARK	308,292	105,326	5,277	199,404	3,700	34.2	1.7	64.7	1.2
CLEARWATER	528,293	28,117	381,037	97,697	12,252	5.3	72.1	18.5	2.3
CUSTER	179,639	89,803	7,726	58,841	29,408	50.0	4.3	32.8	16.4
ELMORE	471,554	151,332	15,344	296,740	10,138	32.1	3.3	62.9	2.1
FRANKLIN	274,494	159,854	19,270	84,318	7,659	58.2	7.0	30.7	2.8
FREMONT	383,116	235,225	25,273	106,241	16,011	61.4	6.6	27.7	4.2
GEM	205,274	59,413	2,111	136,304	5,322	28.9	1.0	66.4	2.6
GOODING	193,732	164,693	0	31,166	943	85.0	0.0	16.1	0.5
IDAHO	821,284	190,873	397,809	166,015	17,993	23.2	48.4	20.2	2.2
JEFFERSON	325,030	298,261	319	33,011	2,251	91.8	0.1	10.2	0.7
JEROME	231,730	209,940	0	26,513	451	90.6	0.0	11.4	0.2
KOOTENAI	498,914	72,454	277,610	113,255	13,123	14.5	55.6	22.7	2.6
LATAH	543,372	190,591	201,050	117,949	16,283	35.1	37.0	21.7	3.0
LEMHI	242,393	113,707	12,938	89,855	30,902	46.9	5.3	37.1	12.7
LEWIS	281,910	157,843	83,579	26,018	6,809	56.0	29.6	9.2	2.4
LINCOLN	163,196	121,649	0	45,345	1,323	74.5	0.0	27.8	0.8
MADISON	228,407	201,001	4,520	14,768	6,212	88.0	2.0	6.5	2.7
MINIDOKA	232,429	224,516	0	8,887	512	96.6	0.0	3.8	0.2
NEZ PERCE	494,620	205,473	137,238	113,130	8,223	41.5	27.7	22.9	1.7
ONEIDA	348,202	199,074	7,775	141,069	4,776	57.2	2.2	40.5	1.4
OWYHEE	580,078	190,312	92,287	300,151	17,810	32.8	15.9	51.7	3.1
PAYETTE	185,099	86,161	5	93,196	2,620	46.5	0.0	50.3	1.4
POWER	429,341	277,904	11,688	181,444	1,973	64.7	2.7	42.3	0.5
SHOSHONE	361,197	62	293,088	47,126	9,936	0.0	81.1	13.0	2.8
TETON	191,511	152,476	15,377	12,499	8,833	79.6	8.0	6.5	4.6
TWIN FALLS	576,839	388,773	2,101	179,077	2,817	67.4	0.4	31.0	0.5
VALLEY	251,811	58,175	142,485	27,540	19,631	23.1	56.6	10.9	7.8
WASHINGTON	520,850	69,575	11,846	424,031	12,053	13.4	2.3	81.4	2.3
Totals	16,147,866	7,161,225	3,219,477	5,164,732	456,105	44.3	19.9	32.0	2.8

Source: GIS Analysis of USGS Idaho GAP Data

Appendix II. Population

County Population Estimates, 1996-2005

County	1-Jul-96	1-Jul-97	1-Jul-98	1-Jul-99	1-Apr-00	1-Jul-00	1-Jul-01	1-Jul-02	1-Jul-03	1-Jul-04	1-Jul-05
Ada	266,290	274,325	284,946	294,292	300,904	303,060	312,785	319,721	325,326	332,545	344,727
Adams	3,693	3,572	3,531	3,517	3,476	3,467	3,439	3,475	3,472	3,503	3,591
Bannock	74,026	74,635	74,864	75,527	75,565	75,593	76,552	76,900	77,129	77,941	78,155
Bear Lake	6,375	6,384	6,345	6,390	6,411	6,425	6,422	6,300	6,320	6,253	6,176
Benewah	8,943	8,991	9,116	9,092	9,171	9,195	9,025	9,007	9,018	9,017	9,218
Bingham	40,852	41,072	41,413	41,550	41,735	41,812	42,253	42,352	42,927	43,187	43,739
Blaine	17,707	18,081	18,265	18,521	18,991	19,126	19,767	20,292	20,691	21,024	21,166
Boise	5,543	5,816	6,005	6,344	6,670	6,746	6,921	7,054	7,239	7,379	7,535
Bonner	34,179	34,986	35,634	36,262	36,835	37,027	37,307	38,210	39,160	39,832	40,908
Bonneville	79,459	80,123	80,798	81,576	82,522	82,897	83,844	85,239	87,164	89,733	91,856
Boundary	9,596	9,633	9,589	9,721	9,871	9,927	9,871	9,980	10,177	10,416	10,619
Butte	3,023	3,002	2,935	2,892	2,899	2,899	2,861	2,925	2,851	2,826	2,808
Camas	953	923	947	1008	991	981	1011	1,038	1,035	1,014	1,050
Canyon	113,744	118,124	122,382	126,720	131,441	133,092	139,147	145,493	151,881	157,883	164,593
Caribou	7,371	7,286	7,411	7,287	7,304	7,309	7,388	7,239	7,198	7,224	7,131
Cassia	21,190	21,283	21,162	21,425	21,416	21,413	21,552	21,551	21,536	21,381	21,324
Clark	858	891	948	988	1022	1027	972	957	911	937	943
Clearwater	9,173	9,099	9,049	9,033	8,930	8,895	8,630	8,463	8,449	8,382	8,373
Custer	4,552	4,466	4,321	4,336	4,342	4,340	4,270	4,165	4,124	4,118	4,077
Elmore	25,647	27,168	28,269	28,889	29,130	29,088	29,091	29,212	28,711	28,840	28,634
Franklin	10,481	10,772	11,050	11,233	11,329	11,364	11,498	11,800	11,855	12,154	12,371
Fremont	11,502	11,724	11,883	11,840	11,819	11,792	11,835	11,892	12,168	12,320	12,242
Gem	14,052	14,422	14,803	15,052	15,181	15,219	15,442	15,580	15,782	15,962	16,273
Gooding	13,392	13,741	13,854	13,970	14,155	14,201	14,223	14,232	14,333	14,398	14,461
Idaho	15,187	15,414	15,418	15,515	15,511	15,473	15,461	15,514	15,448	15,622	15,697
Jefferson	18,327	18,380	18,692	18,982	19,155	19,228	19,347	19,777	20,229	20,827	21,580
Jerome	17,294	17,495	17,933	18,079	18,342	18,440	18,473	18,691	18,934	19,304	19,638
Kootenai	96,590	100,108	102,717	106,346	108,685	109,539	111,792	114,282	117,589	122,447	127,668
Latah	34,808	35,023	34,811	34,908	34,935	34,858	35,017	34,819	34,897	35,036	34,714

Lemhi	8,084	8,095	8,070	7,944	7,806	7,745	7,674	7,751	7,756	7,840	7,909
Lewis	3,854	3,856	3,811	3,754	3,747	3,746	3,621	3,724	3,742	3,713	3,750
Lincoln	3,860	3,917	3,910	3,991	4,044	4,057	4,163	4,230	4,299	4,318	4,545
Madison	26,271	26,920	27,349	27,293	27,467	27,421	27,365	28,820	29,725	30,226	30,975
Minidoka	20,559	20,495	20,244	20,350	20,174	20,098	19,552	19,435	19,332	19,189	19,014
Nez Perce	37,052	37,375	37,395	37,482	37,410	37,387	36,986	37,165	37,655	37,730	37,931
Oneida	3,901	4,023	4,064	4,115	4,125	4,129	4,173	4,131	4,125	4,146	4,209
Owyhee	9,842	10,110	10,285	10,429	10,644	10,692	10,920	10,928	11,099	11,020	11,073
Payette	19,531	19,792	20,029	20,374	20,578	20,635	20,840	21,196	21,475	21,577	22,197
Power	7,695	7,680	7,778	7,623	7,538	7,516	7,558	7,533	7,508	7,717	7,753
Shoshone	14,058	14,051	13,974	13,813	13,771	13,747	13,448	13,073	12,977	12,882	13,157
Teton	5,116	5,286	5,496	5,705	5,999	6,108	6,436	6,812	7,058	7,208	7,467
Twin Falls	60,998	62,201	63,020	63,844	64,284	64,349	64,569	65,446	67,046	68,083	69,419
Valley	7,804	7,893	7,796	7,652	7,651	7,642	7,692	7,608	7,761	7,947	8,332
Washington	9,651	9,887	10,018	10,010	9,977	9,975	9,969	9,961	9,999	10,039	10,098
State of Idaho	1,203,083	1,228,520	1,252,330	1,275,674	1,293,953	1,299,680	1,321,162	1,343,973	1,368,111	1,395,140	1,429,096

Source: U.S. Census Bureau

Appendix III. Farm Data

Comparison of Farm Size and Ownership, by County, 1997 and 2002

County	Total Acres	Number of Farms			Farm Ac. As % of Total	Land in Farms				Full Owners		Avg. Income per Farm	
		1997	2002	Change		1997	2002	Change	Change as a % of Total	1997	2002	1997	2002
Ada	675,194	1483	1420	-63	33.1	239,500	223,388	-16,112	-7	1,089	1,105	5,922	12,283
Adams	873,330	330	316	-14	22.5	206,441	196,461	-9,980	-5	212	226	4,901	6,256
Bannock	712,511	795	1030	235	50.1	312,376	357,104	44,728	14	547	841	4,619	10,661
Bear Lake	621,684	451	424	-27	34.0	224,592	211,530	-13,062	-6	256	295	4,043	5,320
Benewah	496,684	274	241	-33	27.7	134,674	137,791	3,117	2	183	175	12,574	36,939
Bingham	1,340,630	1339	1273	-66	61.3	812,881	821,163	8,282	1	822	879	10,521	101,189
Blaine	1,692,660	223	224	1	13.3	213,391	225,936	12,545	6	162	187	12,728	28,285
Boise	1,217,574	95	89	-6	4.1	49,178	50,074	896	2	73	73	4,093	2,766
Bonner	112,108	605	743	138	81.0	98,912	90,858	-8,054	-8	464	609	6,113	7,996
Bonneville	1,195,825	909	963	54	40.0	463,598	477,784	14,186	3	580	697	6,979	13,008
Boundary	812,036	369	432	63	9.4	78,152	76,506	-1,646	-2	254	331	8,141	7,419
Butte	1,429,022	225	197	-28	8.5	133,908	121,331	-12,577	-9	150	155	10,644	10,967
Camas	687,972	102	106	4	19.5	126,901	134,168	7,267	6	52	66	18,923	33,946
Canyon	377,402	2214	2233	19	72.1	367,543	271,992	-95,551	-26	1,388	1,601	10,408	15,081
Caribou	1,130,247	479	490	11	37.8	496,560	426,973	-69,587	-14	291	329	5,652	11,411
Cassia	1,642,525	797	692	-105	45.3	656,665	744,260	87,595	13	457	450	16,897	44,560
Clark	1,129,366	84	85	1	15.7	212,568	177,822	-34,746	-16	56	57	20,518	22,764
Clearwater	1,575,298	249	193	-56	4.5	77,750	70,724	-7,026	-9	165	144	7,597	10,799
Custer	3,152,285	300	285	-15	4.2	138,956	131,571	-7,385	-5	218	206	2,403	4,109
Elmore	1,969,647	355	364	9	17.6	353,897	346,034	-7,863	-2	233	250	25,060	25,686
Franklin	425,878	732	792	60	57.2	250,783	243,805	-6,978	-3	509	611	3,285	6,823
Fremont	1,194,724	554	518	-36	24.1	341,149	287,494	-53,655	-16	338	340	8,281	10,101
Gem	360,049	644	802	158	61.4	184,740	221,200	36,460	20	453	643	5,573	7,803
Gooding	467,700	749	663	-86	41.7	222,747	194,827	-27,920	-13	537	502	13,895	17,882
Idaho	5,430,325	755	663	-92	11.8	656,449	638,640	-17,809	-3	428	391	8,367	7,426

Jefferson	700,853	888	784	-104	43.6	336,890	305,305	-31,585	-9	555	544	6,186	13,762
Jerome	383,895	774	635	-139	48.5	198,569	186,319	-12,250	-6	500	457	6,999	16,514
Kootenai	796,877	740	828	88	19.4	142,649	154,217	11,568	8	550	672	6,835	7,285
Latah	689,058	768	890	122	49.4	351,871	340,115	-11,756	-3	490	637	6,355	9,189
Lemhi	2,921,062	336	303	-33	5.9	185,175	173,578	-11,597	-6	215	205	2,080	3,572
Lewis	306,588	206	177	-29	70.6	200,129	216,562	16,433	8	79	85	3,663	13,997
Lincoln	771,538	303	280	-23	16.6	136,972	127,853	-9,119	-7	223	214	6,451	15,157
Madison	301,776	526	479	-47	63.0	223,866	189,990	-33,876	-15	301	306	12,114	9,149
Minidoka	486,159	763	694	-69	47.0	209,586	228,459	18,873	9	420	444	9,278	25,707
Nez Perce	543,411	453	441	-12	63.2	351,803	343,462	-8,341	-2	238	269	14,583	34,210
Oneida	768,214	417	428	11	47.3	276,387	363,152	86,765	31	281	312	9,323	3,664
Owyhee	4,913,910	629	571	-58	11.6	691,113	571,051	-120,062	-17	367	373	16,362	20,810
Payette	260,811	648	639	-9	59.3	150,637	154,562	3,925	3	481	467	5,024	16,010
Power	899,562	359	344	-15	47.3	439,491	425,221	-14,270	-3	190	202	13,279	22,770
Shoshone	1,685,706	65	46	-19	0.3	5,492	4,310	-1,182	-22	47	41	3,915	25,165
Teton	288,233	301	302	1	43.2	138,331	124,613	-13,718	-10	169	187	3,309	4,818
Twin Falls	1,232,017	1612	1297	-315	35.8	460,179	441,121	-19,058	-4	989	823	8,362	15,072
Valley	2,353,806	141	156	15	2.8	70,957	65,501	-5,456	-8	92	111	9,398	6,059
Washington	930,244	549	495	-54	50.8	432,592	472,465	39,873	9	353	336	9,927	6,510
Totals	51,956,396	25590	25027	-563	22.6	12,057,000	11,767,292	-289,708	-2	16,457	17,848	391,580	730,900

Source: US Agricultural Census, 2002

Appendix IV. New Dwellings

New Dwelling Units for Selected Areas							
General Area	1999	2000	2001	2002	2003	2004	2005
Bonnars Ferry	6	0	5	7	4	4	21
Kootenai Co.	1326	1301	1190	1234	1551	2026	2195
Grangeville	4	10	7	1	11	4	9
Lewiston	195	196	134	159	167	144	163
Moscow	137	190	181	281	163	358	348
Shoshone Co.	64	56	36	38	31	111	92
Sandpoint/Priest River	94	31	42	26	60	149	71
St. Maries	4	6	1	2	5	4	5
Boise Valley	5732	5158	6017	5891	6624	7613	9417
Twin Falls Area	437	371	442	632	916	770	1088
Sun Valley	319	377	315	231	243	362	319
Payette-Weiser	111	46	86	20	31	37	59
Valley Co.	157	156	157	196	244	687	592
Emmett	164	146	137	165	145	155	241
Mountain Home	94	179	104	80	182	217	253
Pocatello	683	499	538	610	624	819	933
SE Idaho	89	83	75	68	65	75	71
Mini-Cassia	201	153	151	148	109	103	115
Idaho Falls	636	439	762	1588	1426	1106	1215
Lemhi	88	48	51	62	49	47	87
St. Anthony	426	361	345	442	590	649	787
Total	10967	9806	10776	11881	13240	15440	18081

Source: Wells Fargo Bank

Appendix V. Domestic Wells

Numbers of New Domestic Wells by County, 1996-2005

County	<u>1996</u>	<u>1997</u>	<u>1998</u>	<u>1999</u>	<u>2000</u>	<u>2001</u>	<u>2002</u>	<u>2003</u>	<u>2004</u>	<u>2005</u>
Ada	274	242	285	269	468	475	454	400	381	306
Adams	51	62	45	63	140	97	105	79	80	82
Bannock	99	79	73	72	102	84	81	106	47	42
Bear Lake	34	31	20	31	47	49	29	55	15	6
Benewah	77	60	72	74	65	83	105	87	94	33
Bingham	169	145	144	165	164	162	281	404	249	125
Blaine	85	79	92	75	111	143	111	118	125	81
Boise	131	125	89	105	121	120	129	104	136	134
Bonner	467	341	383	418	497	457	514	626	604	294
Bonneville	111	116	130	134	203	220	315	391	260	66
Boundary	62	31	55	44	71	65	56	96	20	39
Butte	10	9	8	9	23	18	38	58	54	14
Camas	31	24	21	17	31	38	27	40	21	57
Canyon	442	464	467	611	521	605	595	550	600	646
Caribou	21	21	16	12	35	71	21	51	18	16
Cassia	91	89	84	70	73	92	118	129	85	85
Clark	12	2	10	8	15	17	4	15	8	0
Clearwater	72	35	55	62	42	70	88	76	90	43
Custer	75	46	74	47	60	73	56	87	58	68
Elmore	81	70	87	77	84	145	131	88	107	72
Franklin	44	76	44	62	66	59	59	79	44	7
Fremont	102	74	120	91	113	157	224	311	180	73
Gem	134	163	138	165	141	123	159	190	168	162
Gooding	74	70	63	74	85	57	89	129	189	235
Idaho	197	199	175	183	191	280	242	302	156	157
Jefferson	128	133	132	128	165	177	290	292	280	175
Jerome	102	56	99	85	83	82	103	150	224	266
Kootenai	271	258	345	337	366	375	441	553	405	225
Latah	117	113	93	83	156	97	150	186	93	58
Lemhi	72	60	59	80	91	116	157	124	85	55
Lewis	7	13	18	3	32	14	15	18	16	6
Lincoln	26	58	36	35	49	65	64	73	98	92
Madison	80	67	90	61	70	107	140	152	100	47
Minidoka	63	54	54	59	50	51	78	92	60	82
Nez Perce	59	38	50	73	114	76	115	146	57	44
Oneida	35	52	53	50	41	42	46	53	22	8
Owyhee	96	106	105	85	83	62	100	121	99	77
Payette	115	116	94	96	82	86	133	98	120	92
Power	10	6	8	14	4	1	10	22	9	3
Shoshone	40	26	19	29	21	34	14	20	6	25
Teton	88	68	76	83	161	193	153	105	91	44
Twin Falls	203	209	209	244	169	155	197	217	223	253
Valley	160	179	162	149	281	246	258	304	469	318
Washington	76	69	56	90	83	69	90	111	84	59
Totals	4,694	4,334	4,508	4,722	5,570	5,808	6,585	7,408	6,330	4,772

Source: Idaho Dept. of Water Resources

Appendix VI. Rural Land Assessments

Assessed Valuations, Rural Subdivisions, 1995-2005											
County	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005
Ada	385,422,602	346,265,764	389,273,173	413,970,173	480,094,413	481,487,200	571,203,700	671,313,900	780,457,000	893,166,200	839,682,700
Adams	19,234,442	23,420,588	24,189,512	23,502,894	20,999,091	21,678,762	27,609,419	28,050,567	30,375,880	29,644,242	32,001,381
Bannock	20,707,743	23,036,829	25,554,599	28,668,226	31,444,428	33,510,840	37,864,606	40,524,270	44,550,807	49,440,127	56,008,623
Bear Lake	10,553,432	10,618,882	16,444,507	17,048,108	17,466,026	24,113,137	26,611,335	27,319,511	31,412,428	33,829,617	35,181,027
Benewah	23,020,928	24,744,097	31,101,614	31,106,386	32,502,963	32,821,678	34,972,314	35,716,844	35,833,153	36,077,785	36,155,864
Bingham	10,572,456	10,827,501	11,195,727	11,241,366	17,171,513	19,169,484	19,882,960	20,385,943	20,433,685	20,931,447	25,461,211
Blaine	400,873,420	437,772,993	525,141,125	603,362,487	636,438,103	689,414,513	855,003,622	987,498,097	984,881,213	1,253,723,839	1,620,122,330
Boise	56,498,195	63,208,396	66,031,005	68,439,510	70,141,559	91,183,034	99,782,380	116,423,120	116,970,630	125,420,633	132,284,410
Bonner	320,453,715	365,922,015	392,101,321	409,698,122	413,086,460	419,664,002	430,708,514	451,688,378	476,381,640	515,302,696	736,669,092
Bonneville	42,818,822	47,193,262	53,353,148	62,639,675	66,344,786	76,814,295	80,420,822	83,973,917	91,657,652	94,640,532	102,071,730
Boundary	5,968,863	7,668,484	9,397,770	10,050,125	10,274,822	12,555,170	12,330,880	10,885,689	11,212,804	11,171,900	16,352,551
Butte	109,815	108,065	107,165	141,390	141,390	141,390	134,190	135,190	134,850	134,590	139,970
Camas	3,451,752	5,856,003	11,037,251	12,344,242	11,261,582	12,911,698	13,504,234	14,566,259	14,895,412	14,235,828	14,592,731
Canyon	98,029,920	120,244,105	136,370,777	146,705,001	154,524,477	170,786,445	192,145,667	211,521,621	233,877,024	258,823,093	281,119,907
Caribou	5,317,023	5,308,704	5,383,716	5,666,223	5,806,529	5,861,534	6,238,879	9,106,852	8,938,282	9,535,614	9,586,047
Cassia	4,425,338	5,416,502	5,945,497	6,706,046	7,343,055	7,414,358	7,888,715	8,071,805	8,096,230	8,231,240	8,528,752
Clark		-	79,025	79,025	79,025	79,025	79,025	79,025	79,025	79,025	79,025
Clearwater	4,124,901	4,481,378	4,516,174	8,386,331	8,959,023	7,962,592	9,382,550	9,325,472	9,055,960	10,009,814	10,075,402
Custer	19,824,077	20,416,428	22,559,394	27,268,618	29,635,130	29,396,888	33,676,431	32,032,386	31,201,711	32,268,202	35,786,050
Elmore	20,376,907	23,868,520	25,214,317	28,622,631	33,402,389	41,254,717	45,168,075	47,921,417	51,153,337	52,785,842	59,166,277
Franklin	953,515	1,152,292	1,230,278	1,559,761	3,554,567	4,394,161	4,909,806	5,125,451	5,520,550	5,921,667	6,416,195
Fremont	60,793,723	78,635,041	93,740,422	127,985,066	137,742,521	161,796,557	167,776,064	182,582,565	183,706,820	190,460,690	176,689,650
Gem	11,354,865	14,937,513	16,155,188	17,206,509	18,208,675	18,934,775	19,445,340	22,062,962	23,062,050	25,511,110	27,206,560
Gooding	6,441,591	7,781,638	8,547,439	8,279,014	9,188,867	9,493,341	9,690,753	9,652,066	9,594,232	9,854,345	9,722,380
Idaho	22,326,597	39,794,062	44,914,689	46,683,895	51,090,213	52,900,122	56,796,638	58,479,357	59,998,473	61,579,355	51,067,869
Jefferson	5,883,516	7,375,597	9,604,586	11,440,508	12,923,709	14,266,427	21,355,288	22,070,402	23,159,970	26,809,280	27,933,671
Jerome	6,852,362	8,578,231	9,442,690	12,965,262	15,268,932	15,815,163	16,823,630	16,618,621	16,956,258	17,374,821	17,870,930
Kootenai	514,833,474	574,495,644	641,327,000	633,150,298	634,314,687	639,271,395	670,114,500	720,491,541	793,637,946	914,817,915	1,358,866,446
Latah	5,787,248	7,440,870	9,458,681	9,967,427	9,993,520	10,314,813	12,542,788	12,455,021	13,379,405	13,709,567	12,791,904
Lemhi	25,156,115	31,651,091	35,533,432	34,682,931	34,658,268	33,728,045	33,985,174	34,803,909	37,291,741	38,220,994	40,449,479
Lewis	1,046,615	1,395,996	1,326,714	1,329,824	1,336,627	1,314,349	1,185,014	1,215,060	1,366,020	1,358,020	1,379,010
Lincoln	92,857	241,707	1,598,257	2,148,155	2,265,639	3,212,176	3,928,734	4,226,925	8,028,160	7,813,310	8,226,720
Madison	2,759,293	3,955,972	4,518,513	5,076,196	5,734,411	6,200,880	11,309,923	11,375,726	11,725,122	11,797,827	13,474,945
Minidoka	4,137,179	4,942,912	5,377,863	5,892,101	8,863,595	9,517,804	9,590,482	9,278,081	9,651,767	8,963,229	9,471,151
Nez Perce	3,983,967	5,529,419	6,973,118	7,031,476	7,799,102	11,518,155	12,481,382	12,318,949	14,011,908	10,447,553	11,514,283
Oneida	558,385	922,675	1,168,089	1,317,684	2,374,015	2,787,889	3,635,837	2,897,049	2,834,742	3,781,818	4,215,359
Owyhee	2,046,821	2,351,654	3,008,357	4,401,931	5,759,411	6,319,010	6,405,575	9,064,808	7,854,966	8,225,533	8,809,077
Payette	6,933,294	7,794,164	10,388,486	10,555,826	10,976,754	11,602,611	11,780,405	13,436,730	13,593,640	14,870,570	15,014,680
Power	2,702,475	2,823,862	2,859,839	3,410,795	3,776,874	3,783,723	4,312,434	4,247,628	4,339,797	5,071,236	5,059,227
Shoshone	10,242,710	11,724,790	12,607,700	12,818,130	12,912,910	13,598,460	13,743,620	13,448,970	13,450,410	13,846,390	15,201,860
Teton	55,569,301	67,336,734	66,603,582	70,322,680	73,107,767	75,251,202	96,361,400	130,489,387	158,765,245	160,878,547	145,571,896
Twin Falls	25,289,169	26,767,230	32,005,520	36,173,884	36,966,921	42,691,743	47,683,369	53,252,079	55,187,340	60,410,022	59,244,866
Valley	292,447,612	332,595,765	342,007,725	346,264,306	354,103,166	370,141,092	387,350,524	423,039,215	429,925,459	563,126,460	831,759,708
Washington	1,732,187	1,844,560	1,991,597	2,106,748	2,511,756	4,495,481	3,824,762	5,685,929	6,339,996	6,550,621	6,633,650
Total	\$2,521,709,222	\$2,788,447,935	\$3,117,386,582	\$3,328,416,986	\$3,502,549,671	\$3,701,570,136	\$4,131,641,760	\$4,584,858,694	\$4,884,980,740	\$5,630,853,146	\$6,915,656,596

Source: Idaho State Tax Commission

Assessed Valuations, Rural Residential Tracts, 1995-2005

County	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005
Ada	86,953,466	76,045,260	88,487,510	101,390,585	118,743,683	119,902,100	164,322,600	178,756,400	198,238,200	209,654,600	220,970,800
Adams	7,710,274	9,594,880	10,088,337	8,667,057	7,930,374	8,127,251	7,703,181	7,515,530	7,334,411	7,290,262	7,502,415
Bannock	10,571,691	10,980,690	12,893,942	15,764,078	19,948,706	23,411,409	24,295,326	25,523,705	32,779,364	38,711,858	43,058,724
Bear Lake	2,706,969	2,776,851	2,852,304	3,901,862	3,962,979	4,006,080	4,658,159	6,347,643	21,480,443	22,098,133	25,214,623
Benewah	13,588,537	16,507,564	21,963,008	21,510,888	23,108,131	24,203,402	27,034,195	28,849,872	30,888,366	33,325,953	39,946,659
Bingham	24,914,680	26,699,228	27,209,316	28,307,229	42,515,542	43,822,745	44,658,728	46,017,755	60,738,809	62,111,580	63,412,722
Blaine	65,442,057	64,600,453	92,371,512	88,553,099	95,433,678	99,762,786	113,765,161	135,680,076	132,953,148	166,574,991	226,742,685
Boise	19,617,320	20,752,493	20,788,768	21,188,053	21,199,280	27,004,089	40,391,628	47,616,020	47,283,542	50,035,731	51,955,640
Bonner	186,238,483	211,860,146	220,858,792	224,365,874	235,137,268	240,631,641	244,156,545	252,822,888	264,488,052	281,712,140	367,186,638
Bonneville	34,170,212	34,475,869	34,888,027	36,387,607	36,066,629	36,686,385	37,396,001	38,110,183	43,300,931	45,482,410	46,027,160
Boundary	26,126,507	35,385,089	42,684,431	39,760,237	44,836,568	43,022,312	42,820,136	42,790,089	41,512,508	42,498,805	59,569,727
Butte	1,476,321	1,633,079	1,745,719	1,925,883	2,086,037	2,145,975	2,297,692	2,607,059	2,977,194	3,004,359	3,110,089
Camas	364,406	591,624	1,097,728	1,965,576	1,924,251	1,991,200	2,168,909	2,392,872	2,364,511	2,672,595	2,811,423
Canyon	87,868,025	91,836,939	98,385,552	105,909,777	119,761,250	133,892,899	137,749,946	168,071,651	175,174,211	193,966,276	200,656,537
Caribou	2,636,905	2,724,623	2,821,164	2,940,490	3,622,310	3,668,744	3,722,072	3,837,457	3,912,079	4,883,483	4,894,117
Cassia	12,814,038	16,370,114	16,963,314	17,533,751	18,109,379	18,535,056	19,056,150	19,456,902	19,992,751	20,263,718	20,557,548
Clark	142,145	163,885	217,752	207,284	210,192	209,324	271,150	269,180	266,580	260,307	235,306
Clearwater	14,761,388	18,319,776	19,673,654	20,015,358	19,821,346	20,528,614	19,698,772	17,740,365	19,718,625	22,107,222	22,324,177
Custer	20,512,664	22,978,280	24,273,068	27,252,503	31,229,517	32,544,895	37,447,090	43,469,347	44,564,448	45,267,393	59,219,650
Elmore	9,017,647	10,491,787	11,335,935	12,460,052	15,002,946	17,888,185	19,323,595	20,074,066	22,634,032	23,651,828	27,417,594
Franklin	3,724,976	4,209,849	4,603,134	5,169,874	14,989,614	15,967,856	16,582,652	16,876,457	17,421,179	17,552,040	17,631,026
Freumont	7,023,859	13,021,102	18,162,463	27,012,721	35,044,299	35,537,375	34,913,388	35,155,798	42,688,091	43,410,430	45,173,415
Gem	27,561,438	39,518,770	44,292,856	46,520,673	52,068,015	55,059,309	57,923,962	64,611,051	73,611,910	83,159,820	93,838,280
Gooding	7,152,599	8,008,096	9,302,585	10,163,731	11,829,099	12,876,746	13,354,989	13,758,146	14,445,511	15,355,501	15,718,728
Idaho	37,768,681	44,970,160	48,548,833	51,525,187	53,500,899	58,911,876	62,527,411	67,527,551	69,705,020	73,327,679	74,894,008
Jefferson	25,497,667	26,087,036	26,423,386	26,883,068	27,341,331	27,934,690	38,536,904	39,117,420	39,172,199	39,832,511	40,580,145
Jerome	10,316,943	12,642,480	13,030,945	16,689,785	20,578,819	21,769,406	22,849,244	23,456,341	23,686,353	24,400,473	26,745,238
Kootenai	321,770,908	349,320,030	399,124,882	394,057,086	393,744,292	408,848,750	412,782,752	415,522,177	441,524,574	490,747,881	711,528,729
Latah	11,881,268	22,757,153	23,138,117	24,108,409	25,741,961	27,724,354	31,640,662	34,500,180	37,643,859	38,381,910	40,826,376
Lemhi	32,044,889	41,432,348	45,072,228	43,048,789	42,004,665	41,131,609	40,302,109	41,374,060	42,759,696	42,387,870	42,248,874
Lewis	2,788,777	3,310,154	3,827,995	4,215,164	4,505,655	4,613,383	4,471,705	4,645,242	4,624,107	4,700,800	4,774,240
Lincoln	153,819	185,785	213,690	216,070	207,820	398,986	666,022	674,840	1,319,846	1,398,770	1,544,270
Madison	7,543,187	7,966,670	14,697,535	14,944,583	15,439,686	15,732,091	20,597,065	20,983,093	21,269,150	25,097,362	25,027,001
Minidoka	11,172,669	14,103,748	15,437,158	16,217,231	20,478,420	26,579,710	27,447,206	28,014,509	30,127,934	26,795,348	27,239,962
Nez Perce	20,451,372	22,144,897	26,955,343	28,198,358	29,886,609	32,511,268	34,711,010	35,658,160	36,137,812	37,328,963	38,571,600
Oneida	2,080,387	2,499,130	3,076,543	3,195,101	3,407,521	3,620,969	6,520,134	7,178,111	7,376,970	7,489,359	7,789,331
Owyhee	3,121,452	3,430,950	3,818,683	4,255,023	5,097,283	5,335,783	5,601,183	5,540,169	5,742,670	6,715,300	7,614,300
Payette	23,949,225	24,429,532	25,841,381	26,845,858	33,449,613	34,483,914	35,154,674	43,399,930	44,504,202	45,376,320	46,201,440
Power	1,014,540	2,645,934	3,036,620	3,085,132	3,649,126	3,585,800	3,527,687	3,498,087	3,446,023	4,431,667	4,526,602
Shoshone	11,573,410	12,487,500	13,117,680	13,595,780	13,450,050	14,015,330	13,845,720	13,584,980	13,779,190	13,944,490	17,045,538
Teton	15,868,441	16,083,055	16,056,109	19,852,131	20,426,485	21,209,585	32,529,772	47,106,242	53,502,368	51,922,367	57,016,149
Twin Falls	39,477,570	44,496,639	45,861,696	59,650,120	60,706,519	62,990,372	68,507,073	71,321,804	73,376,876	76,690,571	79,234,134
Valley	46,623,437	56,805,321	62,603,398	64,805,104	67,348,307	72,758,218	74,979,910	83,895,958	82,991,214	104,095,490	131,998,540
Washington	5,369,723	5,394,353	6,543,940	6,793,861	8,512,471	9,461,952	10,722,261	14,516,197	15,680,422	16,229,030	16,676,410
Total	\$1,303,564,972	\$1,452,739,322	\$1,624,387,033	\$1,691,056,082	\$1,824,058,625	\$1,915,044,424	\$2,063,632,531	\$2,219,865,563	\$2,369,139,381	\$2,566,345,596	\$3,067,258,570

Appendix VII. Second Homes

Total Housing Units and Growth in Second Homes by County

County	1990 Total Housing Units	2000 Total Housing Units	Annual % Growth	1990 Second Homes	2000 Second Homes	Annual % Growth	1990 Second Homes % of Total	2000 Second Homes % of Total
Ada	80,849	118,516	4.7	204	483	13.7	0.3	0.4
Adams	1,778	1,982	1.1	263	332	2.6	14.8	16.8
Bannock	25,694	29,102	1.3	191	260	3.6	0.7	0.9
Bear Lake	2,934	3,268	1.1	484	729	5.1	16.5	22.3
Benewah	3,731	4,238	1.4	327	349	0.7	8.8	8.2
Bingham	12,664	14,303	1.3	147	103	-3.0	1.2	0.7
Blaine	9,500	12,186	2.8	2906	3723	2.8	30.6	30.6
Boise	2,894	4,349	5.0	1341	1442	0.8	46.3	33.2
Bonner	15,152	19,646	3.0	3728	3764	0.1	24.6	19.2
Bonneville	26,049	30,484	1.7	489	377	-2.3	1.9	1.2
Boundary	3,242	4,095	2.6	79	128	6.2	2.4	3.1
Butte	1,265	1,290	0.2	12	38	21.7	0.9	2.9
Camas	481	601	2.5	130	137	0.5	27.0	22.8
Canyon	33,137	47,965	4.5	160	251	5.7	0.5	0.5
Caribou	2,867	3,188	1.1	243	257	0.6	8.5	8.1
Cassia	7,212	7,862	0.9	50	101	10.2	0.7	1.3
Clark	502	521	0.4	178	125	-3.0	35.5	24.0
Clearwater	3,805	4,144	0.9	203	293	4.4	5.3	7.1
Custer	2,437	2,983	2.2	504	747	4.8	20.7	25.0
Elmore	8,430	10,527	2.5	454	494	0.9	5.4	4.7
Franklin	3,240	3,872	2.0	125	168	3.4	3.9	4.3
Fremont	5,961	6,890	1.6	2205	2336	0.6	37.0	33.9
Gem	4,725	5,888	2.5	40	36	-1.0	0.8	0.6
Gooding	4,800	5,505	1.5	56	90	6.1	1.2	1.6
Idaho	6,346	7,537	1.9	605	790	3.1	9.5	10.5
Jefferson	5,353	6,287	1.7	35	53	5.1	0.7	0.8
Jerome	5,886	6,713	1.4	38	47	2.4	0.6	0.7
Kootenai	31,964	46,607	4.6	3325	3002	-1.0	10.4	6.4
Latah	11,870	13,838	1.7	115	99	-1.4	1.0	0.7
Lemhi	3,752	4,154	1.1	461	459	0.0	12.3	11.0
Lewis	1,681	1,795	0.7	55	53	-0.4	3.3	3.0
Lincoln	1,386	1,651	1.9	13	36	17.7	0.9	2.2
Madison	6,133	7,630	2.4	66	70	0.6	1.1	0.9
Minidoka	7,044	7,498	0.6	19	31	6.3	0.3	0.4
Nez Perce	14,463	16,203	1.2	164	219	3.4	1.1	1.4
Oneida	1,496	1,755	1.7	62	114	8.4	4.1	6.5
Owyhee	3,332	4,452	3.4	151	303	10.1	4.5	6.8
Payette	6,520	7,949	2.2	29	59	10.3	0.4	0.7
Power	2,701	2,844	0.5	13	29	12.3	0.5	1.0
Shoshone	6,923	7,057	0.2	301	380	2.6	4.3	5.4
Teton	1,645	2,632	6.0	285	355	2.5	17.3	13.5
Twin Falls	21,158	25,595	2.1	126	212	6.8	0.6	0.8
Valley	6,640	8,084	2.2	3760	4342	1.5	56.6	53.7
Washington	3,685	4,138	1.2	37	62	6.8	1.0	1.5
State	413,327	527,824	2.8	24179	27478	1.4	5.8	5.2

Source: U.S. Census Bureau

Appendix VIII. River Miles

River Miles on Private Lands, by County

County	Private Lands Inside Anadromous Drainages (Acres)	Major Rivers Flowing Through Private Land (miles)
ADA	0	34
ADAMS	82,096	76
BANNOCK	0	62
BEAR LAKE	0	95
BENEWAH	0	50
BINGHAM	0	113
BLAINE	5,905	75
BOISE	0	73
BONNER	0	39
BONNEVILLE	0	91
BOUNDARY	0	77
BUTTE	0	58
CAMAS	0	40
CANYON	0	52
CARIBOU	0	99
CASSIA	0	111
CLARK	0	84
CLEARWATER	523,660	29
CUSTER	91,806	120
ELMORE	0	84
FRANKLIN	0	44
FREMONT	0	86
GEM	0	24
GOODING	0	52
IDAHO	821,259	141
JEFFERSON	0	38
JEROME	0	5
KOOTENAI	0	43
LATAH	267,407	41
LEMHI	234,256	154
LEWIS	281,910	4
LINCOLN	0	78
MADISON	0	43
MINIDOKA	0	21
NEZ PERCE	421,142	48
ONEIDA	0	59
OWYHEE	0	81
PAYETTE	0	26
POWER	0	14
SHOSHONE	40,276	100
TETON	0	33
TWIN FALLS	0	45
VALLEY	8,885	59
WASHINGTON	0	68

Source: GIS Analysis of Ownership, Hydrology Files

Appendix IX. Elk Range

Crucial Elk Habitat by County				
County	Elk Crucial Summer Range (acres)	Elk Crucial Winter Range (acres)	Elk Crucial Summer on Private Lands	Elk Crucial Winter on Private Lands
ADA	0	24,345	0	19,329
ADAMS	0	208,460	0	132,910
BANNOCK	19,269	0	11,368	0
BEAR LAKE	124,597	13,222	2,973	8,489
BENEWAH	0	10,654	0	9,847
BINGHAM	5,364	20,222	1,573	17,829
BLAINE	338,043	42,483	19,353	13,249
BOISE	595	78,987	0	63,769
BONNER	0	0	0	0
BONNEVILLE	382,930	301,147	77,314	182,505
BOUNDARY	0	0	0	0
BUTTE	10,621	341,691	136	30,088
CAMAS	222,034	29,370	27,789	5,448
CANYON	0	0	0	0
CARIBOU	290,678	6,192	23,995	2,783
CASSIA	0	0	0	0
CLARK	92,086	274,849	19,381	71,518
CLEARWATER	19	230,565	0	5,728
CUSTER	1,279,584	447,284	7,862	19,690
ELMORE	213,487	113,788	30,575	39,016
FRANKLIN	93,383	0	1,759	0
FREMONT	296,341	168,945	52,879	55,691
GEM	0	122,964	0	67,731
GOODING	6,086	15,609	14	3,087
IDAHO	134	1,520,583	1	307,939
JEFFERSON	0	66,072	0	28,494
JEROME	0	0	0	0
KOOTENAI	0	0	0	0
LATAH	0	0	0	0
LEMHI	859,372	305,247	6,236	10,713
LEWIS	0	36,298	0	34,161
LINCOLN	0	7,185	0	305
MADISON	0	41,419	0	24,780
MINIDOKA	0	0	0	0
NEZ PERCE	0	123,029	0	87,591
ONEIDA	20,066	6,414	8,234	208
OWYHEE	0	0	0	0
PAYETTE	0	58,022	0	29,087
POWER	11,168	0	4,082	0
SHOSHONE	37	95,738	8	10,635
TETON	0	30,814	0	16,411
TWIN FALLS	0	0	0	0
VALLEY	279,757	27,062	348	5,795
WASHINGTON	0	582,420	0	369,266

Source: Rocky Mountain Elk Foundation

Appendix X. Farm Bill Conservation Programs

FY 2005 Farm Bill Conservation Program Summary

Counties	WHIP		EQUIP	
	Requests	Contracts	Requests	Contracts
Ada	0	0	8	5
Adams	0	0	1	1
Bannock	0	0	30	14
Bear Lake	2	1	18	10
Benewah	0	0	10	5
Bingham	0	0	84	38
Blaine	1	1	11	3
Boise	0	0	3	2
Bonner	0	0	15	9
Bonneville	4	2	20	12
Boundary	0	0	7	7
Butte	1	1	7	2
Camas	0	0	5	2
Canyon	1	0	32	12
Caribou	0	0	30	14
Cassia	0	0	30	11
Clark	0	0	12	3
Clearwater	1	0	12	12
Custer	1	0	12	4
Elmore	0	0	9	4
Franklin	8	3	30	11
Fremont	0	0	82	25
Gem	1	0	32	23
Gooding	0	0	14	10
Idaho	2	0	9	7
Jefferson	2	0	53	11
Jerome	0	0	13	6
Kootenai	0	0	9	8
Latah	1	1	8	5
Lemhi	0	0	32	8
Lewis	0	0	19	11
Lincoln	2	0	72	12
Madison	4	1	35	11
Minidoka	0	0	19	13
Nez Perce	0	0	8	7
Oneida	0	0	59	7
Owyhee	0	0	31	14
Payette	0	0	13	3
Power	0	0	24	16
Shoshone	0	0	0	0
Teton	17	9	18	5
Twin Falls	0	0	38	14
Valley	1	0	5	3
Washington	1	0	19	14
State Totals	50	19	998	414

Source: NRCS

Appendix XI. T&E, Candidate Species

Endangered, Threatened and Candidate Species by County																																		
Counties	Mammals					Fish					Birds		Invertebrates						Plants					Candidate Species										
	Gray Wolf	Woodland Caribou	Grizzly Bear	N. Idaho Ground Squirrel	Canada Lynx	Kootenai River White Sturgeon	Bull Trout	Sockeye Salmon	Spring/Summer Chinook Salmon	Fall Chinook Salmon	Steelhead Trout	Bald Eagle	Whooping Crane	Utah Valvata	Snake River Physa snail	Bliss Rapids Snail	Idaho Springsnail	Banbury Springs Snail	Bruneau Hot spring Snail	MacFarlane's Four-o'clock	Water Howellia	Ute Ladies Tresses	Howell's Spectacular Thelypody	Spalding's Catchfly	Christ's Paintbrush	Spotted Frog	Slender Moonwort	Idaho Ground Squirrel	Yellow-billed Cuckoo	Slick Spot Peppergrass				
Ada	1				1		1					1																			1	1		
Adams	1			1	1			1				1																						
Bannock	1											1																						
Bear Lake	1				1							1																						
Benewah	1				1			1				1																						
Bingham	1											1																						
Blaine	1				1			1				1																						
Boise	1				1			1				1																						
Bonner	1	1	1		1			1				1																						
Bonneville	1				1							1																						
Boundary		1	1		1	1	1					1																						
Butte	1				1			1				1																						
Camas	1				1			1																										
Canyon	1											1																						
Caribou	1				1							1																						
Cassia	1											1		1	1																			
Clark	1		1		1							1																						
Clearwater	1		1		1			1		1	1	1																						
Custer	1				1		1	1		1	1	1																						
Elmore	1				1			1				1																						
Franklin	1											1																						
Fremont	1		1		1							1																						
Gem	1							1				1																						
Gooding	1											1		1	1			1																
Idaho	1				1		1	1		1	1	1								1	1	1												
Jefferson	1				1							1																						
Jerome	1				1							1		1	1																			
Kootenai	1				1			1				1																						
Latah	1				1			1				1																						
Lemhi	1				1		1	1		1	1	1																						
Lewis	1						1	1		1	1																							
Lincoln	1																																	
Madison	1											1																						
Minidoka	1											1		1	1																			
Nez Perce	1				1		1	1			1	1	1																					
Oneida	1				1																													
Owyhee	1						1					1			1	1																		
Payette	1						1					1																						
Power	1				1							1			1																			
Shoshone	1		1		1		1					1																						
Teton	1		1		1							1																						
Twin Falls	1				1							1																						
Valley	1				1	1			1	1	1	1																						
Washington	1				1			1				1																						

Source: Id. F&G Conservation Data Center and U.S. F&WS

