



Fiscal Year 2010
Rangeland Inventory, Evaluation, and
Monitoring Report

TABLE 1
Ecological Site Inventory

STATE	Acres Inventoried This Fiscal Year using the Ecological Site Inventory (ESI) /a/	Total Acres Inventoried to Date Using the Ecological Site Inventory (ESI) Method or Soil Vegetation Inventory Method (SVIM) /b/
ARIZONA	31,000	6,497,761
CALIFORNIA	0	1,242,638
COLORADO	40,000	3,655,225
IDAHO	0	8,423,854
MONTANA/DAKOTAS	15,000	6,463,733
NEVADA	506,000	17,616,786
NEW MEXICO	0	9,502,467
OREGON/WASHINGTON	242,603	7,821,802
UTAH	90,520	13,478,742
WYOMING	0	10,404,544
BLM TOTAL	925,123	85,107,552

/a/ Acres reported here represent acres inventoried with ESI, and include acres which have been categorized as: 1) Potential Natural Community, 2) Late Seral, 3) Mid Seral, 4) Early Seral, and 5) Unclassified (because they could not be categorized to seral stage). Ecological Site Inventory data are collected using methods found in BLM Technical Reference 1734-7, Ecological Site Inventory, <http://www.blm.gov/nstc/library/1734-7direct.html>. Source of these data is BLM's Management Information System.

/b/ Acres reported here only include acres categorized as to seral stage (Potential Natural Community, Late Seral, Mid Seral, and Early Seral). Unclassified acres are now included in a category of inventory called "Uncategorized", in Table 2A below. Source of these data is field office records.

TABLE 2

A. Rangeland Inventories

	Total Acres	Ecological		Ephemeral /d/	Annual	Annual	Uncategorized /g/
	Available to be Inventoried /a/	Site Inventory (ESI) /b/	Seedings /c/		Grassland /e/	Invasive/Exotic /f/	
ARIZONA	11,425,822	6,497,761	2,138	2,272,541	0	0	2,653,382
CALIFORNIA	7,913,950	1,242,638	65,325	1,639,266	539,186	138,863	4,288,672
COLORADO	7,884,825	3,655,225	229,871	0	0	0	3,999,729
IDAHO	11,564,103	8,423,854	1,791,324	0	0	571,131	777,794
MONTANA/DAKOTAS	8,178,554	6,463,733	126,787	0	0	0	1,588,034
NEVADA	44,852,935	17,616,786	794,429	192,824	0	0	26,248,896
NEW MEXICO	12,776,196	9,502,467	2,000	0	0	1,200	3,270,529
OREGON/WASHINGTON	13,568,252	7,821,802	951,866	0	0	0	4,794,584
UTAH	21,661,724	13,478,742	1,249,383	0	0	45,442	6,888,157
WYOMING	17,606,890	10,404,544	1,749	0	0	50	7,200,547
BLM TOTAL	157,433,251	85,107,552	5,214,872	4,104,631	539,186	756,686	61,710,324

/a/ These data are the BLM acres which lie within grazing allotments. Source of these data is BLM's Rangeland Administration System.

/b/ Same as footnote /b/ in Table 1.

/c/ Acres reported here are for non-native or native seedings. Source of these data is field office records.

/d/ Ephemeral rangelands typically have very low carrying capacity, yet can produce short-lived, abundant forage in response to favorable climatic conditions. Ephemeral rangelands do not produce sufficient forage to allocate for livestock grazing on a sustained yield basis, yet may periodically produce forage suitable for livestock grazing for short periods of time. BLM can designate allotments or areas as ephemeral rangelands and manage them for ephemeral grazing use under the authority of the Ephemeral Range Special Rule applicable for the hot desert regions of Arizona, California, Nevada, and Utah. Source of these data is BLM's Rangeland Administration System.

/e/ Acres categorized as Annual Grassland are the Mediterranean annual rangelands in California, which differ from perennial rangelands because annual plants dominate the vegetation production on a sustained basis. Source of these data is field office records.

/f/ Acres categorized as Annual Invasive/Exotic are rangelands which have transitioned to species such as cheatgrass, medusahead, and red brome, and are dominated by these species to the extent that the rangelands no longer have the capacity to proceed successional to a higher seral status with grazing management alone or without substantial range improvement investment. Source of these data is field office records.

/g/ Acres in Uncategorized include: 1) acres categorized as Unclassified in Ecological Site Inventory in reports previous to Fiscal Year 2004; 2) acres categorized as Professional Judgment in reports previous to Fiscal Year 2004; 3) acres categorized as Other in reports previous to Fiscal Year 2004; and 4) acres yet to be inventoried and cannot be categorized into any of the categories in this table.

B. Ecological Site Inventory Seral Status

	Total ESI acres /a/	Potential Natural Community /b/	Late Seral /c/	Mid Seral /d/	Early Seral /e/
ARIZONA	6,497,761	531,665	2,838,237	2,436,297	691,562
CALIFORNIA	1,242,638	39,579	260,892	553,489	388,678
COLORADO	3,655,225	213,550	1,038,902	1,485,481	917,292
IDAHO	8,423,854	197,060	2,092,660	3,472,164	2,661,970
MONTANA/DAKOTAS	6,463,733	577,175	4,255,873	1,542,349	88,336
NEVADA	17,616,786	741,433	6,761,796	8,047,070	2,066,487
NEW MEXICO	9,502,467	425,072	2,388,116	3,889,576	2,799,703
OREGON/WASHINGTON	7,821,802	93,632	2,207,889	4,585,573	934,708
UTAH	13,478,742	1,602,531	4,136,961	6,016,242	1,723,008
WYOMING	10,404,544	2,809,820	3,953,670	3,083,250	557,804
BLM TOTAL	85,107,552	7,231,517	29,934,996	35,111,491	12,829,548

/a/ Same as footnote /b/ in Table 1.

/b/ Potential Natural Community represents plant species present on ecological sites which are between 76 and 100% similar to the potential natural community or the historic climax plant community for an ecological site. Source of these data is field office records.

/c/ Late Seral represents plant species present on ecological sites which are between 51 and 75% similar to the potential natural community or the historic climax plant community on an ecological site. Source of these data is field records.

/d/ Mid Seral represents plant species present on ecological sites which are between 26 and 50% similar to the potential natural community or the historic climax plant community for an ecological site. Source of these data is field office records.

/e/ Early Seral represents plant species present on ecological sites which are between 0 and 25% similar to the potential natural community or the historic climax plant community on an ecological site. Source of these data is field office records.

PUBLIC LAND STATISTICS TABLE 2-1

PERCENT OF ACRES IN ECOLOGICAL STATUS
BY STATE - FISCAL YEAR 2010

PERCENT BY ECOLOGICAL STATUS /a/

	Percent Acres Inventoried	Potential Natural Community	Late Seral	Mid Seral	Early Seral
ARIZONA	57%	8%	44%	37%	11%
CALIFORNIA	16%	3%	21%	45%	31%
COLORADO	46%	6%	28%	41%	25%
IDAHO	73%	2%	25%	41%	32%
MONTANA/DAKOTAS	79%	9%	66%	24%	1%
NEVADA	39%	4%	38%	46%	12%
NEW MEXICO	74%	4%	25%	41%	29%
OREGON/WASHINGTON	58%	1%	28%	59%	12%
UTAH	62%	12%	31%	45%	13%
WYOMING	59%	27%	38%	30%	5%
BLM TOTAL	54%	8%	35%	41%	15%

/a/ Expressed in degree of similarity of present vegetation to the potential natural, or historic climax, plant community: Potential Natural Community = 76-100% similar, Late Seral = 51-75% similar, Mid Seral = 26-50% similar, Early Seral = 0-25% similar. Ecological status is used to report condition of rangelands to satisfy the condition reporting requirement for rangelands in the Public Rangelands Improvement Act of 1978.

TABLE 3

Cumulative Monitored Rangeland Trend

	Total Federal	Up	Static	Down	Undetermined
ARIZONA	11,436,226	2,080,165	3,608,645	636,472	5,110,944
CALIFORNIA	980,296	417,358	353,146	60,364	149,428
COLORADO	4,320,790	1,138,076	1,168,353	459,862	1,554,499
IDAHO	10,782,155	2,315,469	5,757,477	1,189,466	1,519,743
MONTANA/DAKOTAS	5,723,798	1,393,454	2,620,427	382,391	1,327,526
NEVADA	34,501,451	2,864,525	13,664,080	6,659,682	11,313,164
NEW MEXICO	12,849,955	1,641,770	4,146,825	459,608	6,601,752
OREGON/WASHINGTON	12,505,056	2,102,863	7,227,392	1,759,571	1,415,230
UTAH	22,228,277	6,495,495	11,645,275	2,978,472	1,109,035
WYOMING	16,693,800	2,836,583	7,208,644	1,875,435	4,773,138
BLM TOTAL	132,021,804	23,285,758	57,400,264	16,461,323	34,874,459

Note: Monitored rangeland trend is the change over time in the kind, proportion, or amount of plant species and soil surface conditions on an area of rangeland. The figures represent acreage within grazing allotments. One of the main uses of trend information is the characterization of change in rangeland vegetation relative to desired plant community vegetation management objectives or other vegetation management objectives. Trend characterized as "Up" means that changes in plant species and soils are moving toward achievement of vegetation management objectives. Trend characterized as "Static" means there is no discernible change toward or away from vegetation management objectives. Trend characterized as "Down" means that changes in plant species and soils are moving away from achievement of vegetation management objectives. Trend characterized as "Undetermined" means that vegetation and soils data could not be collected to determine trend (for example on rock outcrop areas) or vegetation and soils data has not yet been collected to determine trend (for example areas that do not have trend studies established), or there is vegetation and soils data that has been collected but has not been repeatedly collected over time yet to determine trend. Trend information varies in age based on when the vegetation and soils data were collected. Up, static, and down trend represents what the trend was at the time the data/information were analyzed/evaluated. Source of these data is field office records.

TABLE 4

Allotment Categorization

STATE	TOTAL		CATEGORY I		CATEGORY M		CATEGORY C		UNCATEGORIZED	
	Allot	Acres	Allot	Acres	Allot	Acres	Allot	Acres	Allot	Acres
ARIZONA	821	11,425,822	202	4,988,532	146	3,417,619	472	2,970,494	1	49,177
CALIFORNIA	688	7,913,950	170	4,373,433	176	2,402,009	342	1,138,508	0	0
COLORADO	2,404	7,884,825	625	5,605,325	392	1,126,006	1,383	1,151,939	4	1,555
IDAHO	2,188	11,564,103	801	8,156,489	616	2,886,525	767	519,672	4	1,417
MONTANA/DAKOTAS	5,211	8,178,554	789	3,452,229	1,718	3,782,162	2,702	915,943	2	28,220
NEVADA	794	44,852,935	280	30,470,567	274	9,229,399	228	4,968,782	12	184,187
NEW MEXICO	2,287	12,776,196	611	7,078,917	847	4,344,212	829	1,353,067	0	0
OREGON/WASHINGTON	2,031	13,568,252	469	8,505,466	407	4,305,422	1,153	757,276	2	88
UTAH	1,408	21,661,724	614	13,153,739	336	6,805,039	449	1,570,715	9	132,231
WYOMING	3,531	17,606,890	845	11,465,256	805	4,434,481	1,877	1,693,076	4	14,077
BLM TOTAL	21,363	157,433,251	5,406	97,249,953	5,717	42,732,874	10,202	17,039,472	38	410,952

Note: Grazing allotments are categorized as I, M, or C, usually during resource management planning. Washington Office Instruction Memorandum 2009-18 directed a review of existing I, M, and C categorization in order to establish priorities for monitoring, evaluations, and grazing management actions. I allotments have the objective of "Improve the current resource condition". M allotments have the objective of "Maintain the current resource condition". C allotments have the objective of "Custodially manage the existing resource values". The intent of categorization is to concentrate funding and on-the-ground management efforts to those allotments where grazing management is most needed to improve resources or resolve resource conflicts. Priority for where grazing management is most needed to improve resources or resolve resource conflicts is I allotments, followed by M allotments, and then C allotments. The numbers of allotments in each category of I, M, and C can vary annually. Allotments can be moved from one category to another as new information becomes available, resource conditions change, or management activities are implemented (Source: BLM Manual 1622--Supplemental Program Guidance for Renewable Resources). Source of these data is BLM's Rangeland Administration System.

TABLE 5

Monitoring of Grazing Allotments

STATE	Cumulative Number of Allotments in which Monitoring Studies have been Established /a/		Allotments in which Monitoring Data were Collected During the Reporting Year /b/		Allotments in which Monitoring Data were Evaluated During the Reporting Year /c/		Allotments in which Decisions were Issued During the Reporting Year /d/	
	Allot	Acres	Allot	Acres	Allot	Acres	Allot	Acres
ARIZONA	619	9,305,041	115	2,206,335	54	397,153	1	13,870
CALIFORNIA	347	6,546,641	142	3,291,286	70	1,837,245	39	890,003
COLORADO	1,305	6,965,756	322	2,572,068	154	1,074,398	259	535,725
IDAHO	995	9,935,408	434	5,452,418	120	769,672	105	595,128
MONTANA/DAKOTAS	2,546	6,158,633	374	1,296,781	150	601,332	497	1,156,420
NEVADA	692	43,484,771	184	14,793,980	41	2,267,080	52	2,607,839
NEW MEXICO	1,448	10,836,259	272	1,924,388	191	1,059,146	134	922,503
OREGON/WASHINGTON	1,404	13,956,845	335	7,500,460	6	38,121	32	682,683
UTAH	1,314	20,607,633	401	9,711,565	114	1,816,171	119	1,200,764
WYOMING	1,848	15,830,975	516	8,654,502	74	1,128,429	108	854,476
BLM TOTAL	12,518	143,627,962	3,095	57,403,783	974	10,988,747	1,346	9,459,411

/a/ Known as Total Established Monitoring Studies, in reports previous to Fiscal Year 2004. The number of allotments, and their acreage, in which at least one monitoring study has been established. Source of these data is field office records.

/b/ Is the number of allotments and their acreage in which monitoring data on resource condition were collected during the reporting year. Source of these data is field office records.

/c/ Is the number of allotments and their acreage in which monitoring data were analyzed and interpreted to evaluate progress toward achieving resource management objectives, during the reporting year. Source of these data is field office records.

/d/ Is the number of allotments in which grazing management decisions were issued during the reporting year. Source of these data is field office records.

TABLE 6

Allotment Management Plans or Other Applicable Activity Plans Intended to Serve as the Functional Equivalent of Allotment Management Plans

Number of Allotments and their Acreage, With and Without Allotment Management Plans or their Equivalent

STATE	TOTAL		With AMP or Equivalent		Without AMP or Equivalent	
	Allot	Acres	Allot	Acres	Allot	Acres
ARIZONA	821	11,425,822	283	5,356,824	538	6,068,998
CALIFORNIA	688	7,913,950	209	5,994,544	479	1,919,406
COLORADO	2,404	7,884,825	547	4,642,532	1,857	3,242,293
IDAHO	2,188	11,564,103	367	5,220,474	1,821	6,343,629
MONTANA/DAKOTAS	5,211	8,178,554	1,030	4,173,296	4,181	4,005,258
NEVADA	794	44,852,935	309	24,785,629	485	20,067,306
NEW MEXICO	2,287	12,776,196	354	4,673,660	1,933	8,102,536
OREGON/WASHINGTON	2,031	13,568,252	367	7,714,544	1,664	5,853,708
UTAH	1,408	21,661,724	501	11,378,652	907	10,283,072
WYOMING	3,531	17,606,890	470	7,687,332	3,061	9,919,558
BLM TOTAL	21,363	157,433,251	4,437	81,627,487	16,926	75,805,764

Note: The development of an Allotment Management Plan or its equivalent for a grazing allotment is discretionary (43 Code of Federal Regulations §4120.2). Allotment Management Plans are documents which prescribe the manner in, and extent to which, livestock grazing is conducted and managed to achieve multiple use, sustained yield, economic, and other needs and objectives as determined through land use plans. Grazing allotments without Allotment Management Plans or their equivalent are still undergoing resource management by the BLM. Source of these data is BLM's Rangeland Administration System.

TABLE 7

Standards for Rangeland Health**A. Current Year Accomplishments /a/**

	CATEGORY A. Rangelands meeting all standards or making significant progress toward meeting the standard /b/		CATEGORY B - Rangelands not meeting all standards or making significant progress toward meeting the standards, but appropriate action has been taken to ensure significant progress toward meeting the standards (livestock is a significant factor) /c/		CATEGORY C - Rangelands not meeting standards or making significant progress toward meeting the standards, and no appropriate action has been taken to ensure significant progress toward meeting the standards (livestock is a significant factor) /d/		CATEGORY D - Rangelands not meeting all standards or making significant progress toward meeting the standards due to causes other than livestock grazing /e/		CATEGORY E - Total number of allotments that have been assessed /f/	
	Allot No.	Acres	Allot No.	Acres	Allot No.	Acres	Allot No.	Acres	Allot No.	Acres
ARIZONA	24	368,257	0	0	0	0	1	7,250	25	375,507
CALIFORNIA	14	374,968	5	261,367	2	2,261	0	0	21	638,596
COLORADO	158	384,282	5	38,310	4	17,821	15	25,428	182	465,841
IDAHO	144	323,020	9	179,913	17	274,997	13	37,306	183	815,236
MONTANA/DAKOTAS	179	488,860	10	14,282	16	22,866	28	33,839	233	559,847
NEVADA	19	635,448	6	229,368	2	142,143	6	469,844	33	1,476,803
NEW MEXICO	208	940,295	5	64,388	1	60	17	31,230	231	1,035,973
OREGON/WASHINGTON	13	56,858	0	0	2	12,974	4	23,192	19	93,024
UTAH	81	956,804	13	144,883	0	0	5	18,205	99	1,119,892
WYOMING	54	200,429	5	8,196	10	128,078	4	65,272	73	401,975
BLM TOTAL	894	4,729,221	58	940,707	54	601,200	93	711,566	1,099	6,982,694

Note: Standards for Rangeland Health are ecologically-based goals that conform with the Fundamentals of Rangeland Health found in 43 Code of Federal Regulations Subpart 4180. Fundamentals of Rangeland Health are fundamental requirements for achieving functional healthy public lands. The Fundamentals, and the Standards for Rangeland Health that conform to the Fundamentals, address the necessary physical components of functional watersheds, ecological processes required for healthy biotic communities, water quality standards, and habitat for threatened and endangered species or other species of special interest.

/a/ Current Year Accomplishments are numbers of allotments, and their acreage, that are in various stages of achieving Standards for Rangeland Health within the current reporting year. Although Standards for Rangeland Health are now called Land Health Standards and apply to all lands rather than just rangelands and just allotments, the evaluation of Standards for Rangeland Health began on BLM lands within grazing allotments and still primarily has been operationally focused on BLM lands within grazing allotments. Eventually, current year accomplishments will reflect achievements on any BLM lands rather than just BLM lands within allotments. Source of these data is field office records.

/b/ The number of allotments, and their acreage, that are either meeting all land health standards or are making significant progress toward meeting all land health standards. Source of these data is field office records.

/c/ The number of allotments, and their acreage, that are not meeting all land health standards, or are not making significant progress toward meeting all land health standards, existing livestock grazing has been determined to be the cause of this non-achievement, and management action has been taken to change livestock grazing to ensure that significant progress toward meeting land health standards will occur. Source of these data is field office records.

/d/ The number of allotments, and their acreage, that are not meeting all land health standards, or are not making significant progress toward meeting all land health standards, existing livestock grazing has been determined to be the cause of this non-achievement, and management action has not yet been taken to change livestock grazing to ensure that significant progress toward meeting land health standards will occur. Source of these data is field office records.

/e/ The number of allotments, and their acreage, that are not meeting all land health standards, or are not making significant progress toward meeting all land health standards, and existing livestock grazing is not the cause of the non-achievement. Source of these data is field office records.

/f/ The number of allotments, and their acreage, which were assessed for achievement of land health standards in the current reporting year. Source of these data is field office records.

B. Cumulative Accomplishments /a/

	CATEGORY A - Rangelands meeting all standards or making significant progress toward meeting the standard /b/		CATEGORY B - Rangelands not meeting all standards or making significant progress toward meeting the standards, but appropriate action has been taken to ensure significant progress toward meeting the standards (livestock is a significant factor) /c/		CATEGORY C - Rangelands not meeting standards or making significant progress toward meeting the standards, and no appropriate action has been taken to ensure significant progress toward meeting the standards (livestock is a significant factor) /d/		CATEGORY D - Rangelands not meeting all standards or making significant progress toward meeting the standards due to causes other than livestock grazing /e/		CATEGORY E - Total number of allotments that have been assessed /f/		CATEGORY F - Total number of allotments that have not been assessed /g/		CATEGORY G - Total number of allotments	
	Allot No.	Acres	Allot No.	Acres	Allot No.	Acres	Allot No.	Acres	Allot No.	Acres	Allot No.	Acres	Allot No.	Acres
ARIZONA	640	8,090,421	11	343,036	18	266,156	6	27,792	675	8,727,405	146	2,698,417	821	11,425,822
CALIFORNIA	363	2,855,858	68	1,699,244	20	626,475	62	626,320	513	5,807,897	175	2,106,053	688	7,913,950
COLORADO	1,647	4,643,128	248	1,639,623	17	105,510	255	1,019,569	2,167	7,407,830	237	476,995	2,404	7,884,825
IDAHO	695	2,876,620	282	4,204,102	48	535,175	201	1,119,353	1,226	8,735,250	962	2,828,853	2,188	11,564,103
MONTANA/DAKOTAS	4,307	6,632,155	350	1,003,117	76	116,833	350	412,084	5,083	8,164,189	128	14,365	5,211	8,178,554
NEVADA	296	15,056,899	97	9,823,820	17	1,012,847	51	2,096,232	461	27,989,798	333	16,863,137	794	44,852,935
NEW MEXICO	740	3,399,815	74	451,854	16	8,893	102	188,160	932	4,048,722	1,355	8,727,474	2,287	12,776,196
OREGON/WASHINGTON	799	5,850,844	117	1,736,531	35	1,014,183	114	494,044	1,065	9,095,602	966	4,472,650	2,031	13,568,252
UTAH	813	10,098,726	132	2,201,380	9	357,230	65	1,473,380	1,019	14,130,716	389	7,531,008	1,408	21,661,724
WYOMING	1,303	7,769,584	241	4,656,552	79	707,137	112	789,274	1,735	13,922,547	1,796	3,684,343	3,531	17,606,890
BLM TOTAL	11,603	67,274,050	1,620	27,759,259	335	4,750,439	1,318	8,246,208	14,876	108,029,956	6,487	49,403,295	21,363	157,433,251

/a/ Cumulative Accomplishments are numbers of allotments, and their acreage, that are in various stages of achieving Standards for Rangeland Health, over the entire span of time that Standards for Rangeland Health have been assessed. Although Standards for Rangeland Health are now called Land Health Standards and apply to all lands rather than just rangelands and just allotments, the evaluation of Standards for Rangeland Health began on BLM lands within grazing allotments and still primarily has been operationally focused on BLM lands within grazing allotments. Eventually, cumulative accomplishments will reflect achievements on any BLM lands rather than just BLM lands within allotments.

/b/ The number of allotments, and their acreage, that are either meeting all land health standards or are making significant progress toward meeting all land health standards. Source of these data is field office records.

/c/ The number of allotments, and their acreage, that are not meeting all land health standards, or are not making significant progress toward meeting all land health standards, existing livestock grazing has been determined to be the cause of this non-achievement, and management action has been taken to change livestock grazing to ensure that significant progress toward meeting land health standards will occur. Source of these data is field office records.

/d/ The number of allotments, and their acreage, that are not meeting all land health standards, or are not making significant progress toward meeting all land health standards, existing livestock grazing has been determined to be the cause of this non-achievement, and management action has not yet been taken to change livestock grazing to ensure that significant progress toward meeting land health standards will occur. Source of these data is field office records.

/e/ The number of allotments, and their acreage, that are not meeting all land health standards, or are not making significant progress toward meeting all land health standards, and existing livestock grazing is not the cause of the non-achievement. Source of these data is field office records.

/f/ The number of allotments, and their acreage, which have been assessed for achievement of land health standards over the entire time span that land health standards have been assessed (1998 to present). Source of these data is field office records.

/g/ The number of allotments, and their acreage, which have not yet been assessed for achievement of land health standards.