



Fiscal Year 2012
Rangeland Inventory, Monitoring, and
Evaluation 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	0	6,634,429
CALIFORNIA	0	1,242,138
COLORADO	18,490	4,110,114
IDAHO	35,000	8,405,686
MONTANA/DAKOTAS	0	6,450,929
NEVADA	1,873,202	19,489,988
NEW MEXICO	0	9,505,641
OREGON/WASHINGTON	40,728	7,831,427
UTAH	88,538	13,574,592
WYOMING	0	10,404,544
BLM TOTAL	2,055,958	87,649,488

/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. Source of these data is field office records.

TABLE 2

A. Rangeland Inventories

STATE	Total Acres Available to be Inventoried /a/	Ecological Site Inventory (ESI)			Annual Grassland /e/	Annual Invasive/Exotic /f/	Uncategorized /g/
		/b/	Seedings /c/	Ephemeral /d/			
ARIZONA	11,415,550	6,634,429	2,948	2,274,100	0	0	2,504,073
CALIFORNIA	7,202,990	1,242,138	63,325	1,038,600	471,987	138,863	4,248,077
COLORADO	7,878,064	4,110,114	251,155	0	0	0	3,516,795
IDAHO	11,506,012	8,405,686	1,519,674	0	0	349,416	1,231,236
MONTANA/DAKOTAS	8,189,495	6,450,929	126,787	0	0	0	1,611,779
NEVADA	43,376,326	19,489,988	794,429	351,490	0	0	22,740,419
NEW MEXICO	12,838,827	9,505,641	2,000	0	0	2,800	3,328,386
OREGON/WASHINGTON	13,577,520	7,831,427	955,359	0	0	0	4,790,734
UTAH	21,639,320	13,574,592	1,252,649	0	0	45,442	6,766,637
WYOMING	17,568,819	10,404,544	1,749	0	0	50	7,162,476
BLM TOTAL	155,192,923	87,649,488	4,970,075	3,664,190	471,987	536,571	57,900,612

/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; and 2) acres yet to be inventoried and cannot be categorized into any of the categories in this table.

B. Ecological Site Inventory Seral Status

STATE	Total ESI or SVIM acres /a/	Potential Natural Community /b/	Late Seral /c/	Mid Seral /d/	Early Seral /e/
ARIZONA	6,634,429	531,665	2,856,814	2,554,388	691,562
CALIFORNIA	1,242,138	39,079	260,892	553,489	388,678
COLORADO	4,110,114	402,367	1,318,022	1,457,684	932,041
IDAHO	8,405,686	197,080	2,089,229	3,467,602	2,651,775
MONTANA/DAKOTAS	6,450,929	574,214	4,253,786	1,537,613	85,316
NEVADA	19,489,988	914,400	7,230,231	8,807,721	2,537,636
NEW MEXICO	9,505,641	506,856	2,524,313	3,673,962	2,800,510
OREGON/WASHINGTON	7,831,427	101,309	2,234,356	4,561,021	934,741
UTAH	13,574,592	1,616,730	4,177,592	6,039,119	1,741,151
WYOMING	10,404,544	2,809,820	3,953,670	3,083,250	557,804
BLM TOTAL	87,649,488	7,693,520	30,898,905	35,735,849	13,321,214

/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 2012

STATE	Percent Acres Inventoried	PERCENT BY ECOLOGICAL STATUS /a/			
		Potential Natural Community	Late Seral	Mid Seral	Early Seral
ARIZONA	58%	8%	43%	39%	10%
CALIFORNIA	17%	3%	21%	45%	31%
COLORADO	52%	10%	32%	35%	23%
IDAHO	73%	2%	25%	41%	32%
MONTANA/DAKOTAS	79%	9%	66%	24%	1%
NEVADA	45%	5%	37%	45%	13%
NEW MEXICO	74%	5%	27%	39%	29%
OREGON/WASHINGTON	58%	1%	29%	58%	12%
UTAH	63%	12%	31%	44%	13%
WYOMING	59%	27%	38%	30%	5%
BLM TOTAL	56%	9%	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 /a/

STATE	Total Federal /b/	Up	Static	Down	Undetermined
ARIZONA	11,415,550	2,204,627	3,828,205	512,098	4,870,620
CALIFORNIA	7,202,990	401,895	116,233	149,277	6,535,585
COLORADO	7,878,064	1,293,499	1,873,805	494,832	4,215,928
IDAHO	11,506,012	2,186,253	5,529,637	1,125,781	2,664,341
MONTANA/DAKOTAS	8,189,495	1,483,859	1,762,560	409,374	4,533,702
NEVADA	43,376,326	2,864,525	13,664,080	7,049,181	19,798,540
NEW MEXICO	12,838,827	1,748,204	4,127,888	384,455	6,578,280
OREGON/WASHINGTON	13,577,520	2,100,168	7,231,473	1,749,091	2,496,788
UTAH	21,639,320	6,255,317	11,261,687	2,816,704	1,305,612
WYOMING	17,568,819	2,995,710	6,954,189	1,838,459	5,780,461
BLM TOTAL	155,192,923	23,534,057	56,349,757	16,529,252	58,779,857

/a/ 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.

/b/ These data are the BLM acres which lie within grazing allotments.

TABLE 4

Allotment Categorization /a/

STATE	Total		Category I		Category M		Category C		Uncategorized	
	Allotments	Acres	Allotments	Acres	Allotments	Acres	Allotments	Acres	Allotments	Acres
ARIZONA	820	11,415,550	192	4,864,610	183	3,757,065	444	2,744,698	1	49,177
CALIFORNIA	681	7,202,990	163	3,928,571	183	2,402,731	335	871,688	0	0
COLORADO	2,416	7,878,064	622	5,593,167	389	1,124,421	1,404	1,159,956	1	520
IDAHO	2,175	11,506,012	791	8,114,782	618	2,871,688	760	518,125	6	1,417
MONTANA/DAKOTAS	5,222	8,189,495	749	2,950,194	1,746	4,278,080	2,725	933,001	2	28,220
NEVADA	798	43,376,326	271	28,856,529	275	9,255,781	236	4,864,535	16	399,481
NEW MEXICO	2,282	12,838,827	615	7,096,890	845	4,381,531	820	1,353,228	2	7,178
OREGON/WASHINGTON	2,028	13,577,520	471	8,515,770	409	4,309,307	1,146	752,355	2	88
UTAH	1,393	21,639,320	503	11,910,561	391	7,678,083	489	1,918,445	10	132,231
WYOMING	3,531	17,568,819	839	10,762,678	801	5,049,948	1,887	1,742,116	4	14,077
BLM TOTAL	21,346	155,192,923	5,216	92,593,752	5,840	45,108,635	10,246	16,858,147	44	632,389

/a/ 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		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/	
	Allotments	Acres	Allotments	Acres	Allotments	Acres	Allotments	Acres
ARIZONA	777	9,338,079	127	2,879,867	58	806,675	15	293,115
CALIFORNIA	343	6,258,518	119	2,903,907	63	692,138	44	280,031
COLORADO	1,351	6,887,059	220	2,414,327	93	1,255,157	134	410,358
IDAHO	1,001	10,071,880	507	6,809,010	110	780,462	12	112,614
MONTANA/DAKOTAS	2,551	5,812,830	390	1,438,379	271	830,104	556	1,255,692
NEVADA	692	43,343,722	201	14,962,977	42	1,586,035	13	644,378
NEW MEXICO	1,504	10,853,828	254	1,660,881	166	691,805	177	438,791
OREGON/WASHINGTON	1,470	12,077,381	184	3,415,548	2	399	70	188,664
UTAH	1,312	20,653,394	331	8,575,664	64	1,700,833	58	555,434
WYOMING	1,933	16,960,632	487	9,750,283	171	1,736,987	109	1,530,688
BLM TOTAL	12,934	142,257,323	2,820	54,810,843	1,040	10,080,595	1,188	5,709,765

/a/ The number of allotments, and their BLM acreage, in which at least one monitoring study has been established. Source of these data is field office records.

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

/c/ The number of allotments, and their BLM 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/ The number of allotments, and their BLM acreage, in which grazing management decisions were issued during the reporting year. Source of these data is BLM's Rangeland Administration System.

TABLE 6

Allotment Management Plans (AMP) or Other Applicable Activity Plans Intended to Serve as the Functional Equivalent of Allotment Management Plans /a/

STATE	Total /b/		With AMP or Equivalent /c/		Without AMP or Equivalent /d/	
	Allotments	Acres	Allotments	Acres	Allotments	Acres
ARIZONA	820	11,415,550	279	5,324,410	541	6,091,140
CALIFORNIA	681	7,202,990	208	5,364,830	473	1,838,160
COLORADO	2,416	7,878,064	567	4,676,733	1,849	3,201,331
IDAHO	2,175	11,506,012	370	5,220,206	1,805	6,285,806
MONTANA/DAKOTAS	5,222	8,189,495	1,080	4,209,776	4,142	3,979,719
NEVADA	798	43,376,326	323	26,110,458	475	17,265,868
NEW MEXICO	2,282	12,838,827	353	4,657,845	1,929	8,180,982
OREGON/WASHINGTON	2,028	13,577,520	367	7,709,379	1,661	5,868,141
UTAH	1,393	21,639,320	508	11,610,730	885	10,028,590
WYOMING	3,531	17,568,819	498	7,932,699	3,033	9,636,120
BLM TOTAL	21,346	155,192,923	4,553	82,817,066	16,793	72,375,857

/a/ 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 prescribe the manner in which, and the 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.

/b/ These data are the total number of allotments, and the BLM acreage existing within these allotments, for the BLM. Source of these data is BLM's Rangeland Administration System.

/c/ The number of allotments, and their BLM acreage, that have an AMP or other applicable activity plan intended to serve as the functional equivalent of an AMP. Source of these data is BLM's Rangeland Administration System.

/d/ The number of allotments, and their BLM acreage, that do not have an AMP or other applicable activity plan intended to serve as the functional equivalent of an AMP. Source of these data is BLM's Rangeland Administration System.

TABLE 7

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

STATE	Category A. Rangelands meeting all standards or making significant progress toward meeting the standards /c/		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) /d/		Category C. Rangelands not meeting all 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) /e/		Category D. Rangelands not meeting all standards or making significant progress toward meeting the standards due to causes other than livestock grazing /f/		Category E. Total number of allotments that have been assessed /g/	
	Allotments	Acres	Allotments	Acres	Allotments	Acres	Allotments	Acres	Allotments	Acres
ARIZONA	26	177,421	5	106,540	0	0	7	127,850	38	411,811
CALIFORNIA	22	220,068	2	111,126	0	0	0	0	24	331,194
COLORADO	140	306,328	4	5,578	17	50,742	55	220,438	216	583,086
IDAHO	123	435,585	6	82,414	0	0	7	16,616	136	534,615
MONTANA/DAKOTAS	93	223,205	3	14,871	20	63,335	5	37,115	121	338,526
NEVADA	5	112,324	5	291,905	7	1,423,225	1	90,193	18	1,917,647
NEW MEXICO	201	935,244	2	14,092	1	2,647	6	4,885	210	956,868
OREGON/WASHINGTON	4	40,033	0	0	0	0	1	37,199	5	77,232
UTAH	29	672,570	2	18,099	0	0	0	0	31	690,669
WYOMING	76	898,878	13	209,710	0	0	88	430,625	177	1,539,213
BLM TOTAL	719	4,021,656	42	854,335	45	1,539,949	170	964,921	976	7,380,861

/a/ 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.

/b/ Current Year Accomplishments are numbers of allotments, and their BLM 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 BLM 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.

/c/ The number of allotments, and their BLM 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.

/d/ The number of allotments, and their BLM 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 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.

/e/ The number of allotments, and their BLM 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 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.

/f/ The number of allotments, and their BLM 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.

/g/ The number of allotments, and their BLM 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/

STATE	Category A. Rangelands meeting all standards or making significant progress toward meeting the standards /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 all 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 /h/	
	Allotments	Acres	Allotments	Acres	Allotments	Acres	Allotments	Acres	Allotments	Acres	Allotments	Acres	Allotments	Acres
ARIZONA	669	8,327,843	11	461,751	21	273,413	13	155,617	714	9,218,624	106	2,196,926	820	11,415,550
CALIFORNIA	377	2,651,503	72	1,812,594	18	353,911	60	601,521	527	5,419,529	154	1,783,461	681	7,202,990
COLORADO	1,748	4,445,525	193	1,623,695	21	98,048	255	1,087,980	2,217	7,255,248	199	622,816	2,416	7,878,064
IDAHO	1,065	3,113,735	298	4,107,820	48	633,676	219	1,094,342	1,630	8,949,573	545	2,556,439	2,175	11,506,012
MONTANA/DAKOTAS	4,322	6,638,979	346	885,678	39	124,999	316	459,298	5,023	8,108,954	199	80,541	5,222	8,189,495
NEVADA	313	14,922,843	112	10,624,076	31	3,159,072	66	11,954,572	522	40,660,563	276	2,715,763	798	43,376,326
NEW MEXICO	1,151	5,191,540	76	458,147	15	9,534	80	213,847	1,322	5,873,068	960	6,965,759	2,282	12,838,827
OREGON/WASHINGTON	825	6,032,979	134	2,466,885	22	98,419	130	644,020	1,111	9,242,303	917	4,335,217	2,028	13,577,520
UTAH	949	12,176,245	147	2,673,807	11	412,662	72	1,523,749	1,179	16,786,463	214	4,852,857	1,393	21,639,320
WYOMING	1,278	6,479,726	265	5,668,252	72	582,882	225	1,409,156	1,840	14,140,016	1,691	3,428,803	3,531	17,568,819
BLM TOTAL	12,697	69,980,918	1,654	30,782,705	298	5,746,616	1,436	19,144,102	16,085	125,654,341	5,261	29,538,582	21,346	155,192,923

/a/ Cumulative Accomplishments are numbers of allotments, and their BLM acreage, that are in various stages of achieving Standards for Rangeland Health, over the entire time span that Standards for Rangeland Health have been assessed. Although Standards for Rangeland Health are now called Land Health Standards and apply to all BLM 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 BLM 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 BLM 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 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 BLM 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 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 BLM 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 BLM 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 BLM acreage, which have not yet been assessed for achievement of land health standards. Source of these data is field office records.

/h/ The total number of allotments, and the BLM acreage existing within these allotments, for the BLM. Source of these data is BLM's Rangeland Administration System.