



Fiscal Year 2011
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	21,000	6,634,429
CALIFORNIA	0	1,242,638
COLORADO	20,000	4,131,619
IDAHO	0	8,423,901
MONTANA/DAKOTAS	0	6,460,627
NEVADA	0	17,616,786
NEW MEXICO	0	9,504,104
OREGON/WASHINGTON	114,651	7,833,075
UTAH	40,000	13,530,054
WYOMING	0	10,404,544
BLM TOTAL	195,651	85,781,777

/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) /b/	Seedings /c/	Ephemeral /d/	Annual Grassland /e/	Annual Invasive/Exotic /f/	Uncategorized /g/
ARIZONA	11,425,818	6,634,429	2,948	2,222,847	0	0	2,565,594
CALIFORNIA	7,912,236	1,242,638	63,325	1,133,946	471,987	138,863	4,861,477
COLORADO	7,880,594	4,131,619	251,115	0	0	0	3,497,860
IDAHO	11,527,558	8,423,901	1,501,459	0	0	349,416	1,252,782
MONTANA/DAKOTAS	8,164,302	6,460,627	126,787	0	0	0	1,576,888
NEVADA	44,206,486	17,616,786	794,429	351,490	0	0	25,443,781
NEW MEXICO	12,764,434	9,504,104	2,000	0	0	1,200	3,257,130
OREGON/WASHINGTON	13,577,959	7,833,075	952,066	0	0	0	4,792,818
UTAH	21,514,810	13,530,054	1,252,649	0	0	45,442	6,686,665
WYOMING	17,569,131	10,404,544	1,749	0	0	50	7,162,788
BLM TOTAL	156,543,328	85,781,777	4,948,527	3,708,283	471,987	534,971	61,097,783

/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	1,242,638	39,579	260,892	553,489	388,678
COLORADO	4,131,619	401,367	1,306,140	1,503,399	920,713
IDAHO	8,423,901	197,080	2,092,660	3,472,164	2,661,997
MONTANA/DAKOTAS	6,460,627	580,245	4,255,732	1,538,489	86,161
NEVADA	17,616,786	741,433	6,761,796	8,047,070	2,066,487
NEW MEXICO	9,504,104	506,856	2,386,358	3,810,845	2,800,045
OREGON/WASHINGTON	7,833,075	99,639	2,229,811	4,568,917	934,708
UTAH	13,530,054	1,609,731	4,160,273	6,027,842	1,732,208
WYOMING	10,404,544	2,809,820	3,953,670	3,083,250	557,804
BLM TOTAL	85,781,777	7,517,415	30,264,146	35,159,853	12,840,363

/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 2011

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	16%	3%	21%	45%	31%
COLORADO	52%	10%	32%	36%	22%
IDAHO	73%	2%	25%	41%	32%
MONTANA/DAKOTAS	79%	9%	66%	24%	1%
NEVADA	40%	4%	38%	46%	12%
NEW MEXICO	74%	5%	25%	40%	29%
OREGON/WASHINGTON	58%	1%	28%	58%	12%
UTAH	63%	12%	31%	45%	13%
WYOMING	59%	27%	38%	30%	5%
BLM TOTAL	55%	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	11,425,818	2,080,165	3,608,645	636,472	5,100,536
CALIFORNIA	7,912,236	378,927	122,108	59,409	7,351,792
COLORADO	7,880,594	1,143,910	1,605,670	532,840	4,598,174
IDAHO	11,527,558	2,186,253	5,530,540	1,125,781	2,684,984
MONTANA/DAKOTAS	8,164,302	1,584,600	1,575,903	378,577	4,625,222
NEVADA	44,206,486	2,864,525	13,664,080	7,049,181	20,628,700
NEW MEXICO	12,764,434	1,814,534	3,971,225	462,444	6,516,231
OREGON/WASHINGTON	13,577,959	2,110,431	7,224,661	1,754,734	2,488,133
UTAH	21,514,810	6,522,017	11,661,343	2,936,080	395,370
WYOMING	17,569,131	3,002,904	6,956,059	1,838,530	5,771,638
BLM TOTAL	156,543,328	23,688,266	55,920,234	16,774,048	60,160,780

/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	11,425,818	202	4,988,532	146	3,417,695	471	2,970,414	1	49,177
CALIFORNIA	684	7,912,236	169	4,376,520	177	2,405,281	338	1,130,435	0	0
COLORADO	2,419	7,880,594	620	5,595,766	390	1,124,383	1,407	1,159,925	2	520
IDAHO	2,178	11,527,558	793	8,133,190	618	2,874,060	763	518,891	4	1,417
MONTANA/DAKOTAS	5,206	8,164,302	751	2,959,938	1,743	4,256,109	2,710	920,035	2	28,220
NEVADA	795	44,206,486	274	29,707,841	274	9,248,649	233	4,905,663	14	344,333
NEW MEXICO	2,281	12,764,434	612	7,068,925	846	4,340,944	823	1,354,565	0	0
OREGON/WASHINGTON	2,027	13,577,959	471	8,515,550	409	4,309,304	1,145	753,017	2	88
UTAH	1,390	21,514,810	501	11,796,308	389	7,663,192	491	1,923,079	9	132,231
WYOMING	3,530	17,569,131	840	10,800,510	803	5,054,112	1,883	1,700,432	4	14,077
BLM TOTAL	21,330	156,543,328	5,233	93,943,080	5,795	44,693,729	10,264	17,336,456	38	570,063

/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 /a/	Acres	Allotments	Acres	Allotments	Acres	Allotments	Acres
ARIZONA	630	9,329,360	87	1,493,593	45	533,623	24	337,288
CALIFORNIA	346	6,502,472	119	3,535,330	74	1,566,298	31	148,720
COLORADO	1,312	6,819,139	357	2,556,191	105	747,611	224	1,157,277
IDAHO	1,010	8,784,102	449	5,995,533	129	406,789	36	1,000,569
MONTANA/DAKOTAS	2,546	5,801,145	301	1,374,173	238	936,570	664	1,026,104
NEVADA	692	43,343,722	201	14,962,977	42	1,586,035	34	2,210,051
NEW MEXICO	1,481	10,846,483	216	1,392,592	163	752,859	230	655,013
OREGON/WASHINGTON	1,405	13,960,151	281	6,372,150	15	273,039	58	406,157
UTAH	1,311	20,657,392	333	8,335,126	64	1,047,063	50	819,320
WYOMING	1,879	15,663,126	520	9,828,727	152	3,008,593	134	1,553,744
BLM TOTAL	12,612	141,707,092	2,864	55,846,392	1,027	10,858,480	1,485	9,314,243

/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	11,425,818	278	5,295,874	542	6,129,944
CALIFORNIA	684	7,912,236	210	6,032,937	474	1,879,299
COLORADO	2,419	7,880,594	546	4,623,956	1,873	3,256,638
IDAHO	2,178	11,527,558	367	5,218,542	1,811	6,309,016
MONTANA/DAKOTAS	5,206	8,164,302	1,066	4,200,566	4,140	3,963,736
NEVADA	795	44,206,486	314	25,922,138	481	18,284,348
NEW MEXICO	2,281	12,764,434	355	4,667,359	1,926	8,097,075
OREGON/WASHINGTON	2,027	13,577,959	365	7,701,776	1,662	5,876,183
UTAH	1,390	21,514,810	505	11,601,140	885	9,913,670
WYOMING	3,530	17,569,131	488	7,933,644	3,042	9,635,487
BLM TOTAL	21,330	156,543,328	4,494	83,197,932	16,836	73,345,396

/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	23	93,154	2	98,040	0	0	1	50	26	191,244
CALIFORNIA	14	292,445	2	23,743	1	26,823	3	17,595	20	360,606
COLORADO	114	531,119	3	59,537	1	5,009	11	75,231	129	670,896
IDAHO	126	238,313	1	5,363	1	98,662	10	1,595	138	343,933
MONTANA/DAKOTAS	76	161,622	16	8,626	11	32,827	11	26,190	114	229,265
NEVADA	25	1,129,746	11	520,897	6	552,544	12	679,507	54	2,882,694
NEW MEXICO	237	860,439	2	3,383	2	493	4	32,568	245	896,883
OREGON/WASHINGTON	20	109,693	0	0	0	0	1	37,199	21	146,892
UTAH	66	739,823	6	88,792	1	28,238	10	43,094	83	899,947
WYOMING	54	286,734	1	118,114	6	26,235	3	8,677	64	439,760
BLM TOTAL	755	4,443,088	44	926,495	29	770,831	66	921,706	894	7,062,120

/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	650	8,170,142	11	337,551	18	266,156	7	27,817	686	8,801,666	134	2,624,152	820	11,425,818
CALIFORNIA	365	2,636,057	71	1,811,088	18	355,317	61	603,483	515	5,405,945	169	2,506,291	684	7,912,236
COLORADO	1,652	4,589,551	205	1,519,028	1	5,009	263	1,093,381	2,121	7,206,969	298	673,625	2,419	7,880,594
IDAHO	1,050	3,095,266	300	4,081,822	48	633,676	218	1,102,769	1,616	8,913,533	562	2,614,025	2,178	11,527,558
MONTANA/DAKOTAS	4,292	6,564,465	363	970,291	32	102,309	313	418,669	5,000	8,055,734	206	108,568	5,206	8,164,302
NEVADA	299	14,987,463	97	9,864,777	19	1,154,094	55	2,164,813	470	28,171,147	325	16,035,339	795	44,206,486
NEW MEXICO	981	4,272,178	76	456,185	17	9,227	99	221,016	1,173	4,958,606	1,108	7,805,828	2,281	12,764,434
OREGON/WASHINGTON	823	6,032,580	134	2,466,885	22	98,419	130	644,020	1,109	9,241,904	918	4,336,055	2,027	13,577,959
UTAH	915	11,203,502	160	3,532,908	10	385,468	70	1,498,269	1,155	16,620,147	235	4,894,663	1,390	21,514,810
WYOMING	1,325	7,713,832	246	4,625,275	77	609,692	172	1,021,088	1,820	13,969,887	1,710	3,599,244	3,530	17,569,131
BLM TOTAL	12,352	69,265,036	1,663	29,665,810	262	3,619,367	1,388	8,795,325	15,665	111,345,538	5,665	45,197,790	21,330	156,543,328

/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.