

Bureau of Land Management

Rangeland Inventory, Monitoring
and Evaluation Report

Fiscal Year 2020

Table 1. Cumulative Monitored Rangeland Trend*

STATE	a. Total Public Land Acres	b. Up	c. Static	d. Down	e. Undetermined
Arizona	11,081,396	1,572,928	2,057,050	322,389	5,476,507
California	5,997,178	649,300	684,863	94,956	1,412,631
Colorado	7,607,836	790,205	2,370,370	111,644	3,464,232
Idaho	10,882,199	1,737,519	5,683,894	1,001,039	2,018,882
Montana/Dakotas	7,839,020	1,043,266	5,657,825	330,943	1,037,069
Nevada	12,462,565	769,776	2,924,274	1,974,315	18,451,579
New Mexico	41,823,517	2,016,177	4,320,713	745,786	4,928,231
Oregon/Washington	13,438,659	2,825,079	6,496,410	1,893,592	1,150,449
Utah	21,260,380	5,362,176	11,684,634	3,088,734	1,147,044
Wyoming	17,270,398	3,042,891	6,461,533	1,807,144	5,895,552
BLM TOTAL	149,663,147	19,809,317	48,341,566	11,370,542	44,982,176

Description of Monitored Rangeland Trend Data (Table 1)
a. Total BLM acres within grazing allotments. BLM lands outside of current grazing allotments are excluded. *Rangeland trend is the change over time in the kind, proportion, or amount of plant species on an area of rangeland. 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 information varies in age based on when the vegetation 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. Up: monitored vegetation trend is moving towards desired conditions. c. Static: monitoring data show no discernible trend toward or away from desired conditions. d. Down: Monitored trend is moving away from desired conditions. e. Undetermined: areas where monitoring data cannot be collected (for example on rock outcrop areas), monitoring data have not yet been collected, or or monitoring data have not been repeatedly collected over time yet to determine trend.

Table 2: Allotment Categorization

	a. Total		b. Category I		c. Category M		d. Category C		e. Uncategorized	
STATE	Allotments	Acres	Allotments	Acres	Allotments	Acres	Allotments	Acres	Allotments	Acres
ARIZONA	807	11,081,396	201	4,904,260	182	3,531,533	422	2,574,700	2	70,903
CALIFORNIA	638	5,997,177	159	3,731,604	174	1,804,492	303	459,456	2	1,625
COLORADO	2,213	7,607,836	635	5,619,587	420	1,205,916	1,157	781,821	1	512
IDAHO	2,057	10,882,199	766	7,753,837	607	2,631,253	679	489,243	5	7,866
MONTANA/DAKOTAS	5,056	7,839,020	620	2,685,015	1,722	4,163,345	2,712	990,385	2	275
NEVADA	757	41,823,517	263	27,141,334	262	9,041,703	207	4,706,701	25	933,779
NEW MEXICO	2,191	12,462,565	593	6,803,800	822	4,352,540	772	1,297,578	4	8,646
OREGON/WASHINGTON	1,875	13,438,659	424	8,386,534	381	4,318,321	1,069	733,798	1	6
UTAH	1,374	21,260,380	447	11,939,262	407	6,984,816	510	2,106,059	10	230,243
WYOMING	3,481	17,270,398	829	10,607,129	794	5,012,791	1,848	1,639,788	10	10,689
BLM TOTAL	20,449	149,663,147	4,937	89,572,364	5,771	43,046,709	9,679	15,779,529	62	1,264,544

Description of Allotment Categorization Data (Table 4)

Grazing allotments are categorized as Improve (I), Maintain (M), or Custodial (C) for prioritization purposes. This categorization is usually completed 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.

- a. Total** number of allotments, and the BLM acreage within these allotments. Source of these data is BLM's Rangeland Administration System.
- b.** The number of Category I allotments, and BLM acreage within these allotments. Category I allotments have the objective of "Improve the current resource condition."
- c.** The number of Category M allotments, and BLM acreage within these allotments. Category M allotments have the objective of "Maintain the current resource condition."
- d.** The number of Category C allotments, and BLM acreage within these allotments. Category C allotments have the objective of "Custodially manage the existing resource values."
- e. The number of** allotments that have not been assigned to category I, M or C, and the BLM acreage within these allotments.

The source of these data are the BLM Rangeland Administration System (RAS) and BLM corporate GIS database. There are 845 allotments in RAS that are not in the GIS database and therefore are not included in this report.

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 3. Monitoring of Grazing Allotments

STATE	a. Allotments in which monitoring studies are established		b. Allotments in which Monitoring Data were Collected During the Reporting Year.		c. Allotments in which Monitoring Data were Evaluated During the Reporting Year /c/		d. Allotments in which Decisions were Issued During the Reporting Year.	
	Allotments	Acres	Allotments	Acres	Allotments	Acres	Allotments	Acres
Arizona	709	10,504,101	245	5,070,426	11	167,690	23	283,185
California	261	4,557,177	39	942,970	6	418,481	20	49,658
Colorado	1,473	7,073,895	416	2,524,834	46	162,636	186	369,135
Idaho	1,668	10,841,404	542	6,243,813	44	209,598	34	453,357
Montana/Dakotas	2,750	7,071,831	243	978,864	190	625,835	539	1,145,118
Nevada	715	44,437,033	182	16,546,027	5	222,469	9	325,470
New Mexico	1,707	11,706,803	268	3,027,458	108	495,877	197	1,027,516
Oregon/Washington	806	11,625,937	306	5,757,103	6	20,398	23	292,015
Utah	1,346	21,086,941	358	9,983,687	22	311,905	33	530,072
Wyoming	2,301	16,404,523	627	7,079,885	102	3,004,525	268	2,373,727
BLM TOTAL	13,736	145,309,645	3,226	58,155,067	540	5,639,414	1,332	6,849,251

Description of Grazing Allotment Monitoring Data (Table 3)
a. The number of allotments, and their BLM acreage, in which at least one monitoring study has been established. Monitoring studies include actual use monitoring, utilization monitoring, trend monitoring, weather/climate monitoring, and supplementary monitoring (BLM Manual Handbook H-4400-1). Source of these data is field office records.
b. The number of allotments, and their BLM acreage, in which monitoring data were collected during the reporting year. Monitoring data include actual use data, utilization data, trend data, weather/climate data, supplemental data, and use supervision data (BLM Manual Handbook H-4400-1). Source of these data is field office records.
c. The number of allotments, and their BLM acreage in which a land health standards evaluation report was completed 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 4: Allotment Management Plans (AMP) or Other Applicable Activity Plans Intended to Serve as the Functional Equivalent of Allotment Management Plans

STATE	Total (a)		With AMP or Equivalent (b)		Without AMP or Equivalent (c)	
	Allotments	Acres	Allotments	Acres	Allotments	Acres
ARIZONA	807	11,081,396	297	5,372,018	510	5,709,378
CALIFORNIA	638	5,997,177	219	5,012,594	419	984,584
COLORADO	2,213	7,607,836	668	4,938,033	1,545	2,669,802
IDAHO	2,057	10,882,199	408	5,535,929	1,649	5,346,271
MONTANA/DAKOTAS	5,056	7,839,020	1,092	4,147,815	3,964	3,691,206
NEVADA	757	41,823,517	412	28,672,697	345	13,150,821
NEW MEXICO	2,191	12,462,565	365	4,773,925	1,826	7,688,640
OREGON/WASHINGTON	1,875	13,438,659	397	8,020,718	1,478	5,417,941
UTAH	1,374	21,260,380	557	10,774,101	817	10,486,279
WYOMING	3,481	17,270,398	579	8,944,529	2,902	8,325,869
BLM TOTAL	20,449	149,663,147	4,994	86,192,357	15,455	63,470,790

Description of AMP/Activity Plans Data (Table 4)

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.

(a) Total number of allotments, and the BLM acreage within these allotments. Source of these data is BLM's Rangeland Administration System.

(b) 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.

(c) 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 5. Fundamentals of Land Health.

Fundamentals of Land Health (FLH), as described in 43 Code of Federal Regulations Subpart 4180.1 are determined to be critical to sustaining functioning ecosystems. The Fundamentals of Land Health 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. To evaluate the achievement of the land health fundamentals, each BLM adminisitrative state or Resource Advisory Council area identified a set of land health standards and related indicators. In total, 19 sets of land health standards are used across BLM lands to evaluate land health. Lands that are evaluated and found to be achieving applicable land health standards are considered to also be attaining the associated fundamentals of land health.

A. Upland Watershed Function

Upland Watershed Function is a Fundamental of Land Health that relates to the physical functioning of the upland portions of watersheds and is focused on upland soils and their ability to capture, store, and release moisture associated with normal precipitation events. The Upland Watershed Function Fundamental of Land Health is defined as: Watersheds are in, or are making significant progress toward, properly functioning physical condition, including their upland, riparian-wetland, and aquatic components; soil and plant conditions support infiltration, soil moisture storage, and the release of water that are in balance with climate and landform and maintain or improve water quality, water quantity, and timing and duration of flow.

	a. Public land achieving fundamental	Public Land Not Achieving Fundamental						h. Public Land Where Fundamental Does Not Apply	i. Public Land Unevaluated
		b. Significant Factor is Undetermined	c. Significant Factor is Non-BLM or Not BLM Authorized	d. Current management or disturbances affect land health	e. Causal factor(s) under BLM control but ways to make significant progress unknown or not currently feasible.	f. Actions taken to address significant causal factors	g. Making Significant Progress Toward Achieving		
FIELD OFFICE	Acres	Acres	Acres	Acres	Acres	Acres	Acres	Acres	Acres
Arizona	4,037,695	271,030	279,843	62,801	-	85,994	53,556	-	6,833,957
California	376,936	10,872	-	-	-	25,336	-	-	662,068
Colorado	5,020,338	4,288	467,588	202,256	89,201	415,030	57,871	16,290	607,720
Idaho	2,784,616	11,134	26,814	48,968	0	57,593	12,897	19	3,338,077
Montana/Dakotas	6,475,795	29,573	42,542	61,053	51,510	431,250	57,513	18,498	1,111,603
Nevada	5,107,319	550,978	0	1,938,014	0	24,302	0	0	14,473,632
New Mexico	8,798,710	4,116	189,843	41,413	10,700	68,121	227,884	0	3,918,988
Oregon/Washington	3,030,296	-	978	-	70,082	89,280	-	79,772	175,909
Utah	7,060,175	-	403,228	-	4,739	668,431	-	279	11,394,962
Wyoming	3,963,869	25,740	86,095	9,679	13,054	11,547	44,253	14,938	726,898
STATE TOTAL	46,655,749	907,731	1,496,931	2,364,184	239,286	1,876,885	453,974	129,795	43,243,814

Reporting Definitions for the Upland Watershed Function Fundamental (Table 5A)
a. Acres of upland areas that have been evaluated and are achieving the upland watershed function fundamental of land health.
b. Acres of uplands that have been evaluated and are not achieving the upland watershed function fundamental of land health, but causal factor has not been determined.
c. Acres of uplands that have been evaluated and are not achieving the upland watershed function fundamental of land health, the causal factor(s) has been determined, but is not under BLM's control.
d. Acres of uplands that have been evaluated and are not achieving the upland watershed function fundamental of land health, the causal factor(s) of the non-achievement are under BLM control and ways to address the causal factors are known and feasible, no actions have been taken yet.
e. Of the lands that have been evaluated for land health, acres that are not achieving the upland watershed function fundamental of land health where the causal factor(s) are under BLM control, yet ways to treat the causes and improve conditions are not known, are too costly to implement, or are not feasible with present technology.
f. Acres that have been evaluated and are not achieving the upland watershed function fundamental of land health where the significant causal factor(s) are under BLM control, and BLM has taken actions that are expected to result in significant progress toward achievement.
g. Of the lands that have been evaluated for land health, the acreage of lands that are not achieving the upland watershed function fundamental of land health but monitoring data indicate significant progress (upward trend) toward achieving the fundamental is occurring.
h. Of the lands that have been evaluated for land health, the acreage of lands that the upland watershed function fundamental of land health is not applicable to (e.g. riparian areas and waterbodies).
i. Acreage of lands that have not been evaluated for achievement of the upland watershed function fundamental of land health.

TABLE 5. Fundamentals of Land Health.

Fundamentals of Land Health (FLH), as described in 43 Code of Federal Regulations Subpart 4180.1 are determined to be critical to sustaining functioning ecosystems. The Fundamentals of Land Health 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. To evaluate the achievement of the land health fundamentals, each BLM administrative state or Resource Advisory Council area identified a set of land health standards and related indicators. In total, 19 sets of land health standards are used across BLM lands to evaluate land health. Lands that are evaluated and found to be achieving applicable land health standards are considered to also be attaining the associated fundamentals of land health.

B. Riparian Watershed Function

Riparian Watershed Function is the fundamental that relates to the physical functioning of the riparian-wetland portions of watersheds. Riparian components of watersheds that are achieving this fundamental are in properly functioning physical condition, including their upland, riparian-wetland, and aquatic components; soil and plant conditions support infiltration, soil moisture storage, and the release of water that are in balance with climate and landform and maintain or improve water quality, water quantity, and timing and duration of flow.

	a. Public land achieving fundamental		Public Land Not Achieving Fundamental												h. Public Land Where Fundamental Does Not Apply	i. Public Land Unevaluated
			b. Significant Factor is Undetermined		c. Significant Factor is Non-BLM or Not BLM Authorized		d. Current management or disturbances affect land health		e. Causal factor(s) under BLM control but ways to make significant progress unknown or not currently feasible.		f. Actions taken to address significant causal factors		g. Making Significant Progress Toward Achieving			
FIELD OFFICE	Acres	Miles	Acres	Miles	Acres	Miles	Acres	Miles	Acres	Miles	Acres	Miles	Acres	Miles	Acres	Acres
Arizona	402,090	195	413	8	350	17	25	8	-	0	0	0	0	6	6,653,262.00	2,764,912.00
California	114	28	-	-	-	2	-	-	-	0	36	2	0	0	33,936.00	381,579.00
Colorado	392,294	2,089	37	61	4,206	85	299	23	46	2	20919	122	834	96	2,176,679.52	65,285.45
Idaho	15,371	579	86	97	31,943	54	14,078	46	-	0	58	84	2749	60	3,746,771.00	2186299
Montana/Dakotas	13,133	2,653	794	411	69	43	147	31	32	12	861	173	65	73	8,207,059.00	54,219.00
Nevada	21	88	18	20	-	-	32	22	-	0	2	5	3	6	0.00	9,456,176.00
New Mexico	23,150	384	-	-	828	10	6	26	36	0	44	5	32	2	2,915,795.00	5,389.00
Oregon/Washington	1170	235	0	0	0	10	0	0	0	8	3	10	0	49	3241022	28269
Utah	1,237	941	393	257	1	1	-	-	2	12	180	83	23	30	3705115	280,598.00
Wyoming	144,036	4,072	-	-	27	3	-	0	0	2	508	49	273	2	986,054.00	157,974
BLM TOTAL	992,616	11,264	1,741	854	37,423	226	14,586	156	116	37	22,611	532	3,979	324	31,665,694	15,380,700

Reporting Definitions for the Riparian Watershed Fundamental (Table 5B)
a. Acres of lentic/wetland areas and the miles of lotic riparian areas that have been evaluated and are achieving the riparian watershed function fundamental of land health.
b. Acres of lentic/wetland areas and the miles of lotic riparian areas where the riparian watershed function fundamental of land health was not achieved, but significant causal factors are undetermined.
c. Acres of lentic/wetland areas and the miles of lotic riparian areas where the watershed function fundamental of land health were not achieved, but significant causal factor(s) are not within BLM's control.
d. Acres of lentic/wetland areas and the miles of lotic riparian areas where the riparian watershed function fundamental of land health was not achieved and the significant causal factor(s) for non-achievement has been determined, is within BLM control and ways to address the causal factor(s) are known and feasible, but no actions have been taken to make progress towards achievement.
e. Acres of lentic/wetland areas and the miles of lotic riparian areas where the riparian watershed function fundamental of land health was not achieved, and the significant causal factor(s) for non-achievement are under BLM control, yet ways to address the causal factors to made significant progress towards achievement are not known, are too costly to implement, or are not feasible with present technology.
f. Acres of lentic riparian areas and the miles of lotic riparian areas where the riparian watershed function fundamental of land health was not achieved and significant causal factor(s) of the non-achievement are under BLM control, but BLM has taken actions that are expected to result in significant progress toward achievement.
g. Acres of lentic riparian areas and the miles of lotic riparian areas where the riparian watershed function fundamental of land health was not achieved, but monitoring data indicate significant progress (upward trend) toward achieving the fundamental is occurring.
h. Public land acres within completed land health evaluation areas where the riparian watershed function fundamental of land health does not apply (e.g. uplands).
i. Acres not yet evaluated for achievement of the riparian watershed function fundamental of land health.

TABLE 5. Fundamentals of Land Health

Fundamentals of Land Health (FLH), as described in 43 Code of Federal Regulations Subpart 4180.1 are determined to be critical to sustaining functioning ecosystems. The Fundamentals of Land Health 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. To evaluate the achievement of the land health fundamentals, each BLM administrative state or Resource Advisory Council area identified a set of land health standards and related indicators. In total, 19 sets of land health standards are used across BLM lands to evaluate land health. Lands that are evaluated and found to be achieving applicable land health standards are considered to also be attaining the associated fundamentals of land health.

D. Water Quality

In areas where the water quality fundamental is achieved, water quality complies with State water quality standards and achieves established BLM management objectives such as meeting wildlife needs.

	a. Public land achieving fundamental		Public Land Not Achieving Fundamental												h. Public land where fundamental does not apply	i. Public land unevaluated
			b. Significant Factor is Undetermined		c. Significant Factor is Non-BLM or Not BLM Authorized		d. Current management or disturbances affect land health		e. Causal factor(s) under BLM control but ways to make significant progress unknown or not currently feasible.		f. Actions taken to address significant causal factors		g. Making Significant Progress Toward Achieving			
STATE	Acres	Miles	Acres	Miles	Acres	Miles	Acres	Miles	Acres	Miles	Acres	Miles	Acres	Miles	Acres	Acres
Arizona	609,009	99	-	9	25,262	-	25	-	-	0	0	0	6589	0	7,258,375.00	3705345
California	1,452	25	6	7	-	1	-	-	-	0	12	0	0	0	33,936.00	1791
Colorado	770,958	6,532	5	16	2,329	313	-	2	5,797	13	245	136	0	0	121,734.00	446406
Idaho	282,288	792	14,340	14	247,341	86	9,831	34	-	31	16491	13	221	46	477,951.00	2667460
Montana/Dakotas	14,223	2,452	66	64	69	43	154	32	32	12	1012	195	65	73	8,207,059.00	51959
Nevada	19	72	-	-	-	-	26	-	-	0	0	2	0	0	840,165.00	13855998
New Mexico	871,058	279	1,916	9,789	823	119	-	6	35	0	25281	5	32	2	1,408,024.00	656504
Oregon/Washington	2193	242	0	0	0	2	0	0	0	9	1	10	0	47	3239351	177020
Utah	1,211	924	392	257	-	2	-	-	2	12	180	83	23	30	5,909,402.00	512,303
Wyoming	195,798	4,067	-	-	16	1	-	-	-	-	-	1	0	0	934,234.69	158,493
BLM TOTAL	2,748,209	15,484	16,725	10,156	275,840	566	10,036	74	5,866	78	43,222	445	6,930	198	28,430,232	22,233,278

Reporting Definitions for the Water Quality Fundamental (Table 5D)
a. Acres of lentic/wetland areas and the miles of lotic riparian areas that have been evaluated and are achieving the water quality fundamental of land health.
b. Acres of lentic/wetland areas and the miles of lotic riparian areas where the water quality fundamental of land health was not achieved, but significant causal factors are undetermined.
c. Acres of lentic/wetland areas and the miles of lotic riparian areas where the water quality fundamental of land health was not achieved, but significant causal factor(s) are not within BLM's control.
d. Acres of lentic/wetland areas and the miles of lotic riparian areas where the water quality fundamental of land health was not achieved and the significant causal factor(s) for non-achievement has been determined, is within BLM control and ways to address the causal factor(s) are known and feasible, but no actions have been taken to make progress towards achievement.
e. Acres of lentic/wetland areas and the miles of lotic riparian areas where the water quality fundamental of land health was not achieved, and the significant causal factor(s) for non-achievement are under BLM control, yet ways to address the causal factors to made significant progress towards achievement are not known, are too costly to implement, or are not feasible with present technology.
f. Acres of lentic riparian areas and the miles of lotic riparian areas where the water quality fundamental of land health was not achieved and significant causal factor(s) of the non-achievement are under BLM control, but BLM has taken actions that are expected to result in significant progress toward achievement.
g. Acres of lentic riparian areas and the miles of lotic riparian areas where the water quality fundamental of land health was not achieved, but BLM has taken action on the causes of non-achievement, and BLM has monitoring data that shows that the action(s) taken are indicate making significant progress (upward trend) toward achieving.
h. Public land acres within completed land health evaluation areas where the water quality fundamental of land health does not apply (e.g. uplands).
i. Acreage of lands that have yet to be evaluated for achievement of the water quality fundamental of land health.

TABLE 5. Fundamentals of Land Health.

Fundamentals of Land Health (FLH), as described in 43 Code of Federal Regulations Subpart 4180.1 are determined to be critical to sustaining functioning ecosystems. The Fundamentals of Land Health 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. To evaluate the achievement of the land health fundamentals, each BLM administrative state or Resource Advisory Council area identified a set of land health standards and related indicators. In total, 19 sets of land health standards are used across BLM lands to evaluate land health. Lands that are evaluated and found to be achieving applicable land health standards are considered to also be attaining the associated fundamentals of land health.

C. Ecological Processes

This fundamental of land health is achieved when ecological processes, including the hydrologic cycle, nutrient cycle, and energy flow, are maintained, or there is significant progress toward their attainment, in order to support healthy biotic populations and communities.

	a. Public land achieving fundamental		Public Land Not Achieving Fundamental												h. Public land where fundamental does not apply	i. Public land unevaluated
			b. Significant Factor is Undetermined		c. Significant Factor is Non-BLM or Not BLM Authorized		d. Current management or disturbances affect land health		e. Causal factor(s) under BLM control but ways to make significant progress unknown or not currently feasible.		f. Actions taken to address significant causal factors		g. Making Significant Progress Toward Achieving			
STATE	Acres	Miles	Acres	Miles	Acres	Miles	Acres	Miles	Acres	Miles	Acres	Miles	Acres	Miles	Acres	Acres
Arizona	3,888,931	14	415928	0	237,853	17	16,029	0	81,628	0	4,306	0	53,556	0	0	6,810,714
California	384,252	332,037	0	0	4,607	0	0	0	0	0	216,304	0	4,607	0	0	379,788
Colorado	4,789,124	0	3689	0	492,442	0	300,904	0	115,197	0	449,431	0	122,908	0	40,360	735,800
Idaho	1,595,698	544	26149	12	223,369	15	45,582	0	0	0	166,971	57	637,168	16	17,701	3,354,865
Montana/Dakotas	6,507,032	2,647	30334	393	31,336	31	60,766	12	51,358	12	432,262	174	57,585	73	234	1,116,483
Nevada	567,886	67	0	0	0	0	1,938,014	22	0	0	24,302	0	0	0	0	14,473,632
New Mexico	8,798,710	0	4116	9,787	180,056	0	41,413	0	10,700	0	295,121	0	227,884	0	0	3,918,988
Oregon/Washington	3,090,333	0	0	0	3,196	0	0	89,272	86,997	0	86,997	0	0	0	0	175,909
Utah	7,061,259	941	393	206	403,229	1	0	0	4,739	0	668,611	83	23	30	0	9,922,209
Wyoming	3,909,220	78	43835	0	4,680	1	6,039	26,708	24,964	46,261	24,964	0	46,261	0	16,690	729,298
BLM TOTAL	40,592,445	336,328	524,444	10,398	1,580,768	65	2,408,747	116,014	375,583	46,273	2,369,269	314	1,149,991	119	74,985	41,617,686

Reporting Definitions for the Ecological Processes Fundamental (Table 5C)
a. Acres and miles that have been evaluated and found to be achieving the ecological processes fundamental of land health.
b. Acres and miles that have been evaluated and found to not be achieving the ecological processes standard, but the significant causal factor(s) has not been determined.
c. Acres and miles that have been evaluated and found to not be achieving the ecological processes standard where the significant causal factor(s) has been determined, but is not under BLM's control.
d. Acres and miles that have been evaluated and found to not be achieving the ecological processes fundamental of land health, the causal factor(s) of the non-achievement are under BLM control and ways to address the significant causal factors are known and feasible, but no actions have been taken to initiate significant progress towards achievement.
e. Acres and miles that have been evaluated and found to not be achieving the ecological processes fundamental of land health where the causes of the non-achievement are under BLM control, yet ways to treat the causes and improve conditions are not known, are too costly to implement, or are not feasible with present technology.
f. Acres and miles that have been evaluated and found to not be achieving the ecological processes fundamental of land health where the significant causal factor(s) of the non-achievement are under BLM control, and BLM has taken actions that are expected to result in significant progress toward achievement
g. Acres and miles that have been evaluated and found to not be achieving the ecological processes fundamental of land health, but monitoring data indicate significant progress (upward trend) toward achieving the fundamental is occurring.
h. Acres within completed land health evaluation areas where the ecological processes fundamental of land health does not apply.
i. Public land acres that have yet to be evaluated for achievement of the ecological processes fundamental of land health.

TABLE 5. Fundamentals of Land Health.

Fundamentals of Land Health (FLH), as described in 43 Code of Federal Regulations Subpart 4180.1 are determined to be critical to sustaining functioning ecosystems. The Fundamentals of Land Health 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. To evaluate the achievement of the land health fundamentals, each BLM administrative state or Resource Advisory Council area identified a set of land health standards and related indicators. In total, 19 sets of land health standards are used across BLM lands to evaluate land health. Lands that are evaluated and found to be achieving applicable land health standards are considered to also be attaining the associated fundamentals of land health.

E. Habitat Quality for Threatened and Endangered and Special-Status Species

The habitat quality fundamental is achieved when habitats are restored or maintained for Federal threatened and endangered species, Federal proposed or candidate threatened and endangered species and other special status species.

	a. Public land achieving fundamental		Public Land Not Achieving Fundamental												h. Public land where fundamental does not apply	i. Public land unevaluated
			b. Significant Factor is Undetermined		c. Significant Factor is Non-BLM or Not BLM Authorized		d. Current management or disturbances affect land health		e. Causal factor(s) under BLM control but ways to make significant progress unknown or not currently feasible.		f. Actions taken to address significant causal factors		g. Making Significant Progress Toward Achieving			
STATE	Acres	Miles	Acres	Miles	Acres	Miles	Acres	Miles	Acres	Miles	Acres	Miles	Acres	Miles	Acres	Acres
Arizona	1,465,320	62	36,952	4	115,372	13	16,004	8	0	0	81,688	0	53,556	6	2,000,926	8,533,083
California	264,749	900	0	0	0	0	0	0	0	0	0	0	0	0	15,676	379,788
Colorado	4,829,548	0	6,789	0	485,598	0	180,985	0	25,412	0	249,658	0	38,473	0	492,203	601,128
Idaho	1,203,882	516	4,030	0	307,342	8	3,421	1	0	0	64,536	39	525,760	32	0	0
Montana/Dakotas	6,517,629	2,656	31,573	411	62,214	42	40,630	29	51,599	12	428,977	206	57,911	73	86	1,128,065
Nevada	16,908	28	550,978	38	0	0	1,938,014	10	0	0	24,302	0	7,450	0	0	14,473,632
New Mexico	7,895,223	18	1,916	9,787	86,344	0	0	0	10,200	0	54,029	0	227,584	0	1,055,704	3,886,279
Oregon/Washington	2,758,755	0	0	0	6,113	0	0	0	192,880	0	311,869	0	0	0	0	176,878
Utah	5,271,324	874	0	206	419,881	1	0	0	531	0	1,956,402	69	2,239	17	2,030	11,369,652
Wyoming	3,929,324	78	43,835	0	89,759	2	4,640	0	27,217	0	12,720	6	21,769	0	16,154	729,298
BLM TOTAL	34,152,662	5,132	676,073	10,446	1,572,624	66	2,183,694	48	307,839	12	3,184,181	320	934,742	128	3,582,779	41,277,802

Reporting Definitions for the Habitat Quality Fundamental (Table 5E)
a. Acres of upland and wetland habitat and the miles of riparian habitats that have been evaluated and are achieving the habitat quality fundamental of land health.
b. Acres of upland and wetland habitat and the miles of riparian habitats where the habitat quality fundamental of land health was not achieved, but significant causal factors are undetermined.
c. Acres of upland and wetland habitat and the miles of riparian habitats where the habitat quality fundamental of land health were not achieved, but significant causal factor(s) are not within BLM's control.
d. Acres of upland and wetland habitat and the miles of riparian habitats where the habitat fundamental of land health was not achieved and the significant causal factor(s) for non-achievement has been determined, is within BLM control and ways to address the causal factor(s) are known and feasible, but no actions have been taken to make progress towards achievement.
e. Acres of upland and wetland habitat and the miles of riparian habitats where the habitat quality fundamental of land health was not achieved, and the significant causal factor(s) for non-achievement are under BLM control, yet ways to address the causal factors to made significant progress towards achievement are not known, are too costly to implement, or are not feasible with present technology.
f. Acres of upland and wetland habitat and the miles of riparian habitats where the habitat quality fundamental of land health was not achieved and significant causal factor(s) of the non-achievement are under BLM control, but BLM has taken actions that are expected to result in significant progress toward achievement.
g. Acres of upland and wetland habitat and the miles of riparian habitats where the habitat quality fundamental of land health was not achieved, but BLM has taken action on the causes of non-achievement, and BLM has monitoring data that shows that the action(s) taken are indicate making significant progress (upward trend) toward achieving.
h. Public land acres within completed land health evaluation areas where the habitat quality fundamental of land health does not apply.
i. Acreage of lands that have yet to be evaluated for achievement of the water quality fundamental of land health.