

APPENDICES

APPENDIX A - LAND OWNERSHIP OF UTAH TABLES

Table 1. Utah counties ranked by size.

COUNTY RANK	COUNTY	AREA (ACRES)	AREA (SQUARE MILES)
1	SAN JUAN COUNTY	5,075,066	7,930
2	TOOELE COUNTY	4,663,000	7,286
3	MILLARD COUNTY	4,375,799	6,837
4	BOX ELDER COUNTY	4,306,769	6,729
5	GARFIELD COUNTY	3,331,074	5,205
6	UINTAH COUNTY	2,882,433	4,504
7	EMERY COUNTY	2,859,982	4,469
8	KANE COUNTY	2,627,474	4,105
9	GRAND COUNTY	2,356,835	3,683
10	JUAB COUNTY	2,179,759	3,406
11	IRON COUNTY	2,113,375	3,302
12	DUCHESNE COUNTY	2,077,014	3,245
13	BEAVER COUNTY	1,654,466	2,585
14	WAYNE COUNTY	1,577,474	2,465
15	WASHINGTON COUNTY	1,556,231	2,432
16	UTAH COUNTY	1,370,107	2,141
17	SEVIER COUNTY	1,227,086	1,917
18	SUMMIT COUNTY	1,202,657	1,879
19	SANPETE COUNTY	1,024,901	1,601
20	CARBON COUNTY	949,848	1,484
21	WASATCH COUNTY	773,294	1,208
22	CACHE COUNTY	750,161	1,172
23	RICH COUNTY	694,756	1,086
24	SALT LAKE COUNTY	515,360	805
25	PIUTE COUNTY	489,675	765
26	DAGGETT COUNTY	462,201	722
27	WEBER COUNTY	421,973	659
28	DAVIS COUNTY	406,321	635
29	MORGAN COUNTY	390,679	610
	STATE OF UTAH	54,315,768	84,868

Source: State of Utah Automated Geographic Reference Center (area calculations generated in ArcGIS 9.3 using Hawth's Analysis Tools).

Table 2. Land ownership by county (reported in acres).

COUNTY	BUREAU OF LAND MANAGEMENT	BLM WILDERNESS	U.S. FOREST SERVICE	USFS WILDERNESS	NATIONAL PARK SERVICE
BEAVER COUNTY	1,138,604	0	138,960	0	0
BOX ELDER COUNTY	1,078,816	0	90,356	11,900	2,215
CACHE COUNTY	131	0	230,948	54,830	0
CARBON COUNTY	421,042	0	30,264	0	0
DAGGETT COUNTY	114,180	0	257,783	0	0
DAVIS COUNTY	287	0	38,852	0	0
DUCHESNE COUNTY	207,817	0	431,641	290,578	0
EMERY COUNTY	2,061,995	0	211,980	0	2,098
GARFIELD COUNTY	1,490,972	0	1,021,059	25,248	461,626
GRAND COUNTY	1,544,237	5,069	56,695	0	76,470
IRON COUNTY	963,906	0	236,123	7,069	8,846
JUAB COUNTY	1,439,563	0	98,421	18,891	0
KANE COUNTY	1,633,238	21,292	123,483	0	469,027
MILLARD COUNTY	3,010,180	0	367,933	0	0
MORGAN COUNTY	733	0	16,534	0	0
PIUTE COUNTY	166,074	0	196,357	0	0
RICH COUNTY	171,513	0	52,219	0	0
SALT LAKE COUNTY	1,970	0	60,798	36,915	0
SAN JUAN COUNTY	2,076,843	0	403,863	46,021	588,838
SANPETE COUNTY	135,356	0	391,639	0	0
SEVIER COUNTY	205,175	0	732,548	0	4,468
SUMMIT COUNTY	722	0	359,195	161,890	0
TOOELE COUNTY	1,804,872	99,428	136,109	25,156	0
UINTAH COUNTY	1,367,917	0	269,682	0	51,886
UTAH COUNTY	104,424	0	446,987	38,572	254
WASATCH COUNTY	2,016	0	431,953	0	0
WASHINGTON COUNTY	632,470	3,667	344,930	50,237	131,892
WAYNE COUNTY	892,550	0	160,080	0	297,760
WEBER COUNTY	41	0	55,118	0	0
STATE OF UTAH	22,667,643	129,456	7,392,510	767,308	2,095,382

Source: State of Utah Automated Geographic Reference Center (area calculations generated in ArcGIS 9.3 using Hawth's Analysis Tools).
 Note: Area calculations may not sum to the total of county area in Table 1, because calculations are based on two different datasets.

Table 2 (continued). Land ownership by county (reported in acres).

COUNTY	DEPARTMENT OF DEFENSE	U.S. FISH & WILDLIFE SERVICE	STATE TRUST LANDS	STATE SOVEREIGN LAND	STATE WILDLIFE RESERVES
BEAVER COUNTY	0	0	155,117	0	11,925
BOX ELDER COUNTY	205,548	55,178	178,030	719,539	43,090
CACHE COUNTY	0	0	16,996	0	20,768
CARBON COUNTY	0	0	108,184	0	16,503
DAGGETT COUNTY	0	0	29,530	0	11,075
DAVIS COUNTY	5,825	0	19	237,192	2,000
DUCHESNE COUNTY	0	0	54,359	0	90,622
EMERY COUNTY	9	0	335,161	2,958	9,549
GARFIELD COUNTY	0	0	157,394	1,431	1,589
GRAND COUNTY	2,527	0	344,657	14,543	8,538
IRON COUNTY	0	0	131,638	0	8,130
JUAB COUNTY	207	17,975	168,423	0	14,379
KANE COUNTY	0	0	99,821	3,822	264
MILLARD COUNTY	0	0	377,948	0	27,144
MORGAN COUNTY	0	0	80	0	7,516
PIUTE COUNTY	0	0	57,037	0	4,898
RICH COUNTY	0	0	47,383	35,675	2,437
SALT LAKE COUNTY	0	0	294	26,890	3,244
SAN JUAN COUNTY	0	0	260,598	6,278	0
SANPETE COUNTY	0	0	31,817	0	28,880
SEVIER COUNTY	0	0	42,291	0	3,701
SUMMIT COUNTY	0	0	8,621	0	17,623
TOOELE COUNTY	1,576,379	0	257,096	240,508	1,670
UINTAH COUNTY	0	7,681	238,733	9,307	23,511
UTAH COUNTY	15,627	0	46,453	95,216	43,193
WASATCH COUNTY	0	0	17,015	0	38,619
WASHINGTON COUNTY	0	0	77,489	0	848
WAYNE COUNTY	0	0	168,921	8	778
WEBER COUNTY	408	0	738	60,711	29,386
STATE OF UTAH	1,806,529	80,834	3,411,845	1,454,078	471,879

Table 2 (continued). Land ownership by county (reported in acres).

COUNTY	STATE PARKS	OTHER STATE	PRIVATE	TRIBAL
BEAVER COUNTY	212	0	209,624	0
BOX ELDER COUNTY	12,152	11	1,909,546	0
CACHE COUNTY	682	0	425,653	0
CARBON COUNTY	3,831	0	369,898	125
DAGGETT COUNTY	0	0	49,609	0
DAVIS COUNTY	24,544	0	97,601	0
DUCHESNE COUNTY	7,404	0	601,723	392,871
EMERY COUNTY	3,529	326	232,337	38
GARFIELD COUNTY	1,345	105	170,306	0
GRAND COUNTY	3,413	11	102,508	198,109
IRON COUNTY	294	0	754,780	2,503
JUAB COUNTY	81	22	376,951	44,835
KANE COUNTY	5,969	0	270,503	0
MILLARD COUNTY	14	0	591,323	1,186
MORGAN COUNTY	2,477	0	363,338	0
PIUTE COUNTY	120	0	65,189	0
RICH COUNTY	964	0	384,458	0
SALT LAKE COUNTY	573	32	377,459	7,184
SAN JUAN COUNTY	1,074	0	411,918	1,279,323
SANPETE COUNTY	240	0	436,212	756
SEVIER COUNTY	1,143	133	236,330	1,297
SUMMIT COUNTY	1,860	0	652,679	0
TOOELE COUNTY	1,008	0	501,341	19,374
UINTAH COUNTY	4,235	0	435,627	473,796
UTAH COUNTY	134	0	579,248	0
WASATCH COUNTY	31,251	0	249,276	3,164
WASHINGTON COUNTY	10,166	201	275,941	28,190
WAYNE COUNTY	0	0	57,377	0
WEBER COUNTY	590	0	274,981	0
STATE OF UTAH	119,304	841	11,463,739	2,452,750

Table 3. Major land ownership categories by county (reported in acres and percent of total county area).

COUNTY	FEDERAL		STATE		PRIVATE		TRIBAL	
	ACRES	PERCENT	ACRES	PERCENT	ACRES	PERCENT	ACRES	PERCENT
BEAVER COUNTY	1,277,563	77.2	167,254	10.1	209,624	12.7	0	0.0
BOX ELDER COUNTY	1,444,013	33.5	952,822	22.1	1,909,546	44.3	0	0.0
CACHE COUNTY	285,909	38.1	38,446	5.1	425,653	56.8	0	0.0
CARBON COUNTY	451,306	47.5	128,519	13.5	369,898	38.9	125	0.0
DAGGETT COUNTY	371,963	80.5	40,605	8.8	49,609	10.7	0	0.0
DAVIS COUNTY	44,964	11.1	263,756	64.9	97,601	24.0	0	0.0
DUCHESNE COUNTY	930,036	44.8	152,385	7.3	601,723	29.0	392,871	18.9
EMERY COUNTY	2,276,083	79.6	351,524	12.3	232,337	8.1	38	0.0
GARFIELD COUNTY	2,998,904	90.0	161,864	4.9	170,306	5.1	0	0.0
GRAND COUNTY	1,684,997	71.5	371,162	15.7	102,508	4.3	198,109	8.4
IRON COUNTY	1,215,943	57.5	140,062	6.6	754,780	35.7	2,503	0.1
JUAB COUNTY	1,575,058	72.3	182,905	8.4	376,951	17.3	44,835	2.1
KANE COUNTY	2,247,041	85.5	109,876	4.2	270,503	10.3	0	0.0
MILLARD COUNTY	3,378,114	77.2	405,106	9.3	591,323	13.5	1,186	0.0
MORGAN COUNTY	17,267	4.4	10,073	2.6	363,338	93.0	0	0.0
PIUTE COUNTY	362,431	74.0	62,054	12.7	65,189	13.3	0	0.0
RICH COUNTY	223,733	32.2	86,459	12.4	384,458	55.3	0	0.0
SALT LAKE COUNTY	99,683	19.3	31,033	6.0	377,459	73.2	7,184	1.4
SAN JUAN COUNTY	3,115,565	61.4	267,950	5.3	411,918	8.1	1,279,323	25.2
SANPETE COUNTY	526,995	51.4	60,937	5.9	436,212	42.6	756	0.1
SEVIER COUNTY	942,191	76.8	47,268	3.9	236,330	19.3	1,297	0.1
SUMMIT COUNTY	521,807	43.4	28,104	2.3	652,679	54.3	0	0.0
TOOELE COUNTY	3,641,945	78.1	500,281	10.7	501,341	10.8	19,374	0.4
UINTAH COUNTY	1,697,166	58.9	275,786	9.6	435,627	15.1	473,796	16.4
UTAH COUNTY	605,863	44.2	184,996	13.5	579,248	42.3	0	0.0
WASATCH COUNTY	433,968	56.1	86,885	11.2	249,276	32.2	3,164	0.4
WASHINGTON COUNTY	1,163,197	74.8	88,703	5.7	275,941	17.7	28,190	1.8
WAYNE COUNTY	1,350,390	85.6	169,706	10.8	57,377	3.6	0	0.0
WEBER COUNTY	55,567	13.2	91,425	21.7	274,981	65.2	0	0.0
STATE OF UTAH	34,939,663	64.3	5,457,946	10.0	11,463,739	21.1	2,452,750	4.5

Source: State of Utah Automated Geographic Reference Center (area calculations generated in ArcGIS 9.3 using Hawth's Analysis Tools).
 Note: Area calculations may not sum to the county areas reported in Table 1, because calculations are based on two different datasets.

Table 4. Bureau of Land Management districts and resource management areas/field offices.

BLM DISTRICT	FIELD OFFICE/ RESOURCE MANAGEMENT AREA	TOTAL AREA (ACRES)	BLM LAND WITHIN MANAGEMENT AREA (ACRES)	PERCENT BLM LAND
CANYON COUNTRY DISTRICT	MOAB	2,856,078	1,844,712	64.6
	MONTICELLO	4,582,951	1,784,813	38.9
COLOR COUNTRY DISTRICT	CEDAR CITY	3,754,797	2,104,218	56.0
	KANAB	2,912,228	555,268	19.1
	RICHFIELD	5,480,117	2,127,106	38.8
	ST. GEORGE	1,574,146	630,600	40.1
GREEN RIVER DISTRICT	PRICE	3,802,983	2,480,563	65.2
	VERNAL	5,421,367	1,689,914	31.2
WEST DESERT DISTRICT	FILLMORE	6,555,558	4,449,743	67.9
	SALT LAKE	15,495,075	3,266,722	21.1
GSENM	GSENM	1,880,467	1,866,001	99.2

Table 5. Areas of Critical Environmental Concern by county.

COUNTY	ACEC
BOX ELDER	Blue Springs Wildlife Habitat Area
	Central Pacific Railroad Grade
	Donner Creek/Bettridge Creek
	Salt Wells Wildlife Habitat Area
CACHE	Laketown Canyon (Rich County)
DAGGETT	Browns Park (Uintah County)
	Red Creek Watershed
DUCHESNE	Lears Canyon
	Pariette Wetlands (Uintah County)
EMERY	Big Flat Tops
	Bow Knot Bend
	Copper Globe
	Dry Lake Archaeological District
	I-70 Scenic Corridor
	Lower San Rafael Canyon
	Middle San Rafael Canyon
	Muddy Creek
	Muddy Creek Tomsich Butte
	Pictographs
	San Rafael Reef North
	San Rafael Reef South
	Segers Hole
	Sids Mountain
	Swasey Cabin
	Temple Mountain Historic District
Upper San Rafael Canyon	

COUNTY	ACEC
GRAND	Negro Bill Canyon
JUAB	Rockwell Natural Area
KANE	Water/South Fork Indian Canyon
MILLARD	Fossil Mountain
	Gandy Mountain Caves
	Gandy Salt Marsh
	Pavant Butte
	Tabernacle Hill Lava Field
Wah Wah Mountains	
RICH	Laketown Canyon (Cache County)
SAN JUAN	Alkali Ridge
	Bridger Jack Mesa
	Butler Wash
	Cedar Mesa
	Dark Canyon
	Hovenweep
	Indian Creek
	Lavender Mesa
	Scenic Highway Corridor
Shay Canyon	
TOOELE	Bonneville Salt Flats
	Horseshoe Springs

Source: Bureau of Land Management.

Note: Some ACECs occur in more than one county.

Table 5 (continued). Areas of Critical Environmental Concern by county.

COUNTY	ACEC
UINTAH	Browns Park (Daggett County)
	Lower Green River
	Ninemile Canyon (Duchesne County)
	Ninemile Canyon (Uintah County)
	Pariette Wetlands (Duchesne County)
	Red Mountain-Dry Fork Complex
WASHINGTON	Beaver Dam Slope
	Canaan Mountain
	Little Creek Mountain
	Lower Virgin River
	Red Bluff
	Red Mountain
	Santa Clara Gunlock
	Santa Clara Land Hill
	Upper Beaver Dam Wash
	Warner Ridge/Fort Pearce
WAYNE	Beaver Wash Canyon
	Gilbert Badlands
	North Caineville Mesa
	South Caineville Mesa

Table 6. Outstanding Natural Areas by county.

COUNTY	OUTSTANDING NATURAL AREA
GARFIELD	Calf Creek Recreation Site
	Deer Creek Recreation Site
	Devils Garden Outstanding Natural Area
	Escalante Canyons Outstanding Natural Area
	North Escalante Canyon Outstanding Natural Area
	Phipps-Death Hollow Outstanding Natural Area
	The Gulch Outstanding Natural Area
	Wolverine Petrified Wood Natural Area
KANE	Dance Hall Rock Historic Site
	No Mans Mesa Research Natural Area

Source: Bureau of Land Management.

Table 7. Wilderness Study Areas by county.

COUNTY	WILDERNESS STUDY AREA
BEAVER	White Rock Range
	Wah Wah Mountains (Millard County)
CARBON	Jack Canyon
	Desolation Canyon (Emery & Grand Counties)
DAGGETT	Diamond Breaks
	West Cold Springs
EMERY	Desolation Canyon (Carbon & Grand Counties)
	Crack Canyon
	Devils Canyon
	Link Flats Instant Study Area
	Mexican Mountain
	Muddy Creek
	San Rafael Reef
	Sids Cabin 202
	Sids Mountain
	Turtle Canyon
	North Horseshoe Canyon (Wayne County)
GARFIELD	Devils Garden Instant Study Area
	Escalante Canyons Tract 1
	Fiddler Butte
	Little Rockies
	Mt. Hillers
	Mt. Pennel
	North Escalante Canyons/The Gulch
	Phipps-Death Hollow Instant Study Area
	Steep Creek
	The Blues
	Carcass Canyon (Kane County)
	Mud Spring Canyon (Garfield County)
	Bull Mountain (Wayne County)
	Death Ridge (Kane County)
Scorpion (see Kane County)	
French Spring-Happy Canyon (Wayne County)	
Mt. Ellen-Blue Hills (Wayne County)	
GRAND	Desolation Canyon (Carbon & Emery Counties)
	Black Ridge Canyon West
	Coal Canyon
	Floy Canyon
	Flume Canyon
	Lost Spring Canyon
Mill Creek Canyon	

Source: Bureau of Land Management.

Note: Some WSAs occur in more than one county.

Table 7 (continued). Wilderness Study Areas by county.

COUNTY	WILDERNESS STUDY AREA	COUNTY	WILDERNESS STUDY AREA	
GRAND	Negro Bill Canyon	SAN JUAN	South Needles	
	Spruce Canyon		Squaw/Papoose Canyon	
	Westwater Canyon	TOOELE	Deep Creek Mountains (Juab County)	
	Behind the Rocks (San Juan County)		North Stansbury Mountains	
IRON	Spring Creek Canyon	UINTAH	Book Cliffs Mountain Browse Instant Study Area	
JUAB	Fish Springs		Bull Canyon	
	Rockwell		Daniels Canyon	
	Scott's Basin		Winter Ridge	
	Deep Creek Mountains (Tooele County)	WASHINGTON	Beartrap Canyon	
KANE	Burning Hills		Canaan Mountain (Kane County)	
	Canaan Mountain (Washington County)		Cottonwood Canyon	
	Carcass Canyon (Grand County)		Cougar Canyon	
	Death Ridge (Garfield County)		Deep Creek	
	Escalante Canyons Tract 5 Instant Study Area		Goose Creek Canyon	
	Fiftymile Mountain		Joshua Tree Instant Study Area	
	Moquith Mountain		LaVerkin Creek Canyon	
	Mud Spring Canyon (Kane County)		Red Butte	
	North Fork Virgin River		Red Mountain	
	Orderville Canyon		Red Mountain 202	
	Paria-Hackberry		Taylor Creek Canyon	
	Paria-Hackberry 202		The Watchman	
	Parunuweap Canyon		WAYNE	Bull Mountain (Garfield County)
	Scorpion (Garfield County)			Dirty Devil
	The Cockscomb			Fremont Gorge
	Wahweap	French Spring-Happy Canyon (Garfield County)		
MILLARD	Conger Mountain	Mt. Ellen-Blue Hills (Garfield County)		
	Howell Peak	North Horseshoe Canyon (Emery County)		
	King Top	South Horseshoe Canyon		
	Notch Peak			
	Swasey Mountain			
	Wah Wah Mountains (Beaver County)			
SAN JUAN	Behind the Rocks (Grand County)			
	Bridger Jack Mesa			
	Butler Wash			
	Cheese Box Canyon			
	Cross Canyon			
	Dark Canyon Instant Study Area Complex			
	Fish Creek Canyon			
	Grand Gulch Instant Study Area Complex			
	Indian Creek			
	Mancos Mesa			
	Mule Canyon			
	Road Canyon			

Table 8. Ranger districts by national forest in Utah (legend corresponds to Figure 2.4).

NATIONAL FOREST	LEGEND	RANGER DISTRICT
ASHLEY NATIONAL FOREST	A1	DUCHESNE
	A2	FLAMING GORGE
	A3	ROOSEVELT
	A4	VERNAL
CARIBOU NATIONAL FOREST	C1	WESTSIDE
DIXIE NATIONAL FOREST	D1	CEDAR CITY
	D2	ESCALANTE
	D3	PINE VALLEY
	D4	POWELL
FISHLAKE NATIONAL FOREST	F1	BEAVER
	F2	FILLMORE
	F3	FREMONT
	F4	RICHFIELD
	F5	TEASDALE
MANTI-LA SAL NATIONAL FOREST	M1	FERRON
	M2	MOAB
	M3	MONTICELLO
	M4	PRICE
	M5	SANPETE
SAWTOOTH NATIONAL FOREST	S1	MINIDOKA
UINTA-WASATCH-CACHE NATIONAL FOREST	U1	EVANSTON
	U2	HEBER
	U3	KAMAS
	U4	LOGAN
	U5	MOUNTAIN VIEW
	U6	OGDEN
	U7	PLEASANT GROVE
	U8	SALT LAKE
	U9	SPANISH FORK

Source: United States Forest Service (USFS).

APPENDIX B - PHYSIOGRAPHY OF UTAH TABLE

Table 1. Descriptions of Level III Omernik (EPA) Ecoregions occurring in Utah.
For more information: http://www.epa.gov/wed/pages/ecoregions/ut_eco.htm.

LEVEL III ECOREGION	ENVIRONMENTAL PROTECTION AGENCY (EPA) DESCRIPTION
CENTRAL BASIN AND RANGE	The Central Basin and Range Ecoregion is characterized by a mosaic of xeric basins, scattered low and high mountains, and salt flats. Compared to the Snake River Basin and Northern Basin and Range regions to the north, the region is hotter and contains higher and a greater density of mountains that have perennial streams and ponderosa pine forests at higher elevations. Also, there is less grassland and more shrubland, and the soils are mostly Aridisols rather than dry Mollisols. The region is not as hot as the Mojave and Sonoran Basin and Range ecoregions and it has a greater percent of land that is grazed.
COLORADO PLATEAUS	Rugged tableland topography is typical of the Colorado Plateau ecoregion. Precipitous side-walls mark abrupt changes in local relief, often from 300 to 600 meters. The region is more elevated than the Wyoming Basin to the north and therefore contains a far greater extent of pinyon-juniper woodlands. However, the region also has large low lying areas containing saltbrush-greasewood (typical of hotter drier areas), which are generally not found in the higher Arizona/New Mexico Plateau to the south where grasslands are common.
MOJAVE BASIN AND RANGE	This ecoregion contains scattered mountains which are generally lower than those of the Central Basin and Range. Potential natural vegetation in this region is predominantly creosote bush, as compared to the mostly saltbrush-greasewood and Great Basin sagebrush of the ecoregion to the north, and creosote bush-bur sage with large patches of palo verde-cactus shrub and saguaro cactus in the Sonoran Basin and Range to the south. Most of this region is federally owned and there is relatively little grazing activity because of the lack of water and forage for livestock. Heavy use of off-road vehicles and motorcycles in some areas has caused severe wind and water erosion problems.
NORTHERN BASIN AND RANGE	This ecoregion consists of arid tablelands, intermontane basins, dissected lava plains, and widely scattered low mountains. The bulk of the region is covered by sagebrush steppe vegetation. The ecoregion is drier and less suitable for agriculture than the Columbia Plateau, it is higher and cooler than the Snake River Basin to the east, and contains a lower density of mountain ranges than the adjacent Central Basin and Range ecoregion to the south. Much of the region is used as rangeland.
SOUTHERN ROCKIES	The Southern Rockies are composed of high elevation, steep rugged mountains. Although coniferous forests cover much of the region, as in most of the mountainous regions in the western United States, vegetation, as well as soil and land use, follows a pattern of elevational banding. The lowest elevations are generally grass or shrub covered and heavily grazed. Low to middle elevations are also grazed and covered by a variety of vegetation types including Douglas fir, ponderosa pine, aspen, and juniper oak woodlands. Middle to high elevations are largely covered by coniferous forests and have little grazing activity. The highest elevations have alpine characteristics.
WASATCH AND UINTA MOUNTAINS	This ecoregion is composed of a core area of high, precipitous mountains with narrow crests and valleys flanked in some areas by dissected plateaus and open high mountains. The elevational banding pattern of vegetation is similar to that of the Southern Rockies except that aspen, chaparral, and juniper-pinyon and oak are more common at middle elevations. This characteristic, along with a far lesser extent of lodgepole pine and greater use of the region for grazing livestock in the summer months, distinguish the Wasatch and Uinta Mountains ecoregion from the more northerly Middle Rockies.
WYOMING BASIN	This ecoregion is a broad intermontane basin dominated by arid grasslands and shrublands and interrupted by high hills and low mountains. Nearly surrounded by forest covered mountains, the region is somewhat drier than the Northwestern Great Plains to the northeast and does not have the extensive cover of pinyon-juniper woodland found in the Colorado Plateaus to the south. Much of the region is used for livestock grazing, although many areas lack sufficient vegetation to support this activity. The region contains major producing natural gas and petroleum fields.

APPENDIX C - LIVESTOCK GRAZING IN UTAH TABLES

Table 1. AUMs of livestock grazing licensed by the BLM in the state of Utah (1940-2008).

YEAR	CATTLE AND HORSE AUMs LICENSED BY THE BLM	SHEEP AND GOAT AUMs LICENSED BY THE BLM	TOTAL AUMs LICENSED BY THE BLM
1940	891,000	1,858,000	2,749,000
1945	945,000	1,562,000	2,507,000
1950	1,085,000	1,276,000	2,361,000
1955	1,047,000	1,055,000	2,102,000
1960	811,000	949,000	1,760,000
1965	706,821	699,955	1,406,776
1970	684,540	587,992	1,272,532
1975	677,661	418,681	1,096,342
1980	564,025	249,575	813,600
1985	691,049	284,998	976,047
1990	482,754	218,658	701,412
1995	666,555	201,608	868,163
2000	674,394	159,321	833,715
2005	503,701	118,785	622,486
2008	548,926	126,596	675,522

Sources: Bureau of Land Management (BLM) Rangeland Administration System (RAS), Public Land Statistics (1996-2008), BLM Facts and Figures (1981-1994).

Table 2. AUMs of livestock grazing permitted by the BLM in the state of Utah (1996-2008).

YEAR	ACTIVE PREFERENCE AUMs	SUSPENDED AUMs	LICENSED AUMs
1996	1,285,528	319,773	798,881
1997	1,278,515	352,897	798,881
1998	1,272,628	352,952	890,741
1999	1,261,822	347,263	880,091
2000	1,246,639	340,715	833,715
2001	1,234,136	347,876	678,393
2002	1,236,840	333,749	703,067
2003	1,230,244	332,308	439,185
2004	1,222,517	333,659	544,458
2005	1,238,877	327,782	622,486
2006	1,239,786	324,140	686,627
2007	1,225,890	323,783	711,160
2008	1,209,929	319,110	675,522

Sources: Bureau of Land Management (BLM) Rangeland Administration System (RAS), Public Land Statistics (1996-2008).

Table 3. AUMs of livestock grazing authorized by the USFS in the state of Utah (1988-2008).

YEAR	CATTLE AUMs	HORSE AUMs	SHEEP AUMs	TOTAL AUMS
1988	472,521	3,607	200,793	674,819
1992	401,939	5,167	172,693	579,799
1994	424,345	2,201	126,300	552,846
1995	424,202	2,076	126,300	552,578
1996	393,180	1,999	98,199	493,378
1997	419,198	1,899	102,652	523,748
1998	419,198	1,819	102,652	523,668
2000	447,660	753	101,618	550,031
2001	431,590	951	103,353	535,895
2002	389,866	1,149	99,501	490,516
2003	268,643	750	55,910	325,303
2004	364,506	1,179	82,876	448,561
2005	395,619	1,215	84,292	481,126
2006	396,015	868	102,377	499,260
2007	396,952	7,387	123,633	527,972
2008	475,591	1,152	137,524	614,267

Sources: Report of the Forest Service (1988-2008), Grazing Statistical Summary Reports (2000-2008).

APPENDIX D - RECREATION IN UTAH TABLES

Table 1. Other recreational destinations in Utah.

OTHER UTAH RECREATIONAL DESTINATIONS
Bonneville Salt Flats
Boulder Mountain
Canyon Rims Recreation Area
Canyons of the Escalante
Cleveland Lloyd Dinosaur Quarry
Four Corners
Grand Gulch Primitive Area
Great Salt Lake
Henry Mountains
Jarvie Property
Labyrinth Canyon/Green River
Mill Canyon/Copper Ridge
Monument Valley
Mule Canyon
Nine Mile Canyon/Rock Art
Paria Canyon/Paria River
Pariette Wetlands
Uinta Mountains
Parowan Gap
Pony Express Trail
San Rafael Swell
Sand Flats Moab Slickrock
Transcontinental Railroad
Westwater Canyon/Colorado River

Table 2. Utah river rafting destinations.

UTAH RIVER RAFTING DESTINATIONS
Cataract Canyon
Desolation Canyon
Dolores River
Fisher Towers
Green River
Labyrinth Canyon
Lodore Canyon
Provo River
San Juan River
Sevier River
Split Mountain
Stillwater Canyon
Virgin River
Weber River
Westwater Canyon
White River
Yampa River

Table 3. Utah ski resorts.

UTAH SKI RESORTS
Alta Ski Resort
Beaver Mountain
Brian Head Resort
Brighton Resort
Deer Valley Resort
Park City Mountain Resort
Powder Mountain Resort
Snowbasin Resort
Snowbird Resort
Solitude
Sundance Resort
The Canyons Resort
Wolf Mountain Resort

Table 4. National scenic byways in Utah.

NATIONAL SCENIC BYWAYS
Dinosaur Diamond Prehistoric Highway
Flaming Gorge - Uintas National Scenic Byway
Highway 12 Scenic Byway
Logan Canyon Scenic Byway
Nebo Loop Scenic Byway
The Energy Loop: Huntington/Eccles Canyon Scenic Byway
Trail of the Ancients

Table 5. State of Utah scenic byways.

UTAH SCENIC BYWAYS
Bear Lake Scenic Byway
Beaver Canyon Scenic Byway
Bicentennial Highway
Big Cottonwood Canyon Scenic Byway
Brian Head-Panguitch Lake
Capitol Reef Country Scenic Byway
Cedar Breaks Scenic Byway
Dead Horse Point Mesa Scenic Byway
Fishlake Scenic Byway
Indian Canyon Scenic Byway
Indian Creek Corridor Scenic Byway
Kolob Fingers Road Scenic Byway
Little Cottonwood Canyon Scenic Byway
Markaquant High Plateau Scenic Byway
Mirror Lake Scenic Byway
Monument Valley to Bluff Scenic Byway
Mt. Carmel Scenic Byway
Ogden River Scenic Byway
Potash-Lower Colorado River Scenic Byway
Provo Canyon Scenic Byway
Upper Colorado River Scenic Byway
Zion Park Scenic Byway