



J. E. Hall

LAND PLANNING AND CLASSIFICATION REPORT

OF THE
PUBLIC DOMAIN LANDS
IN THE

SUN RIVER - TETON AREA



MONTANA

A MISSOURI RIVER BASIN INVESTIGATION

(FOR ADMINISTRATIVE USE ONLY)

UNITED STATES DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

REGION III
BILLINGS, MONTANA

MARCH 1953

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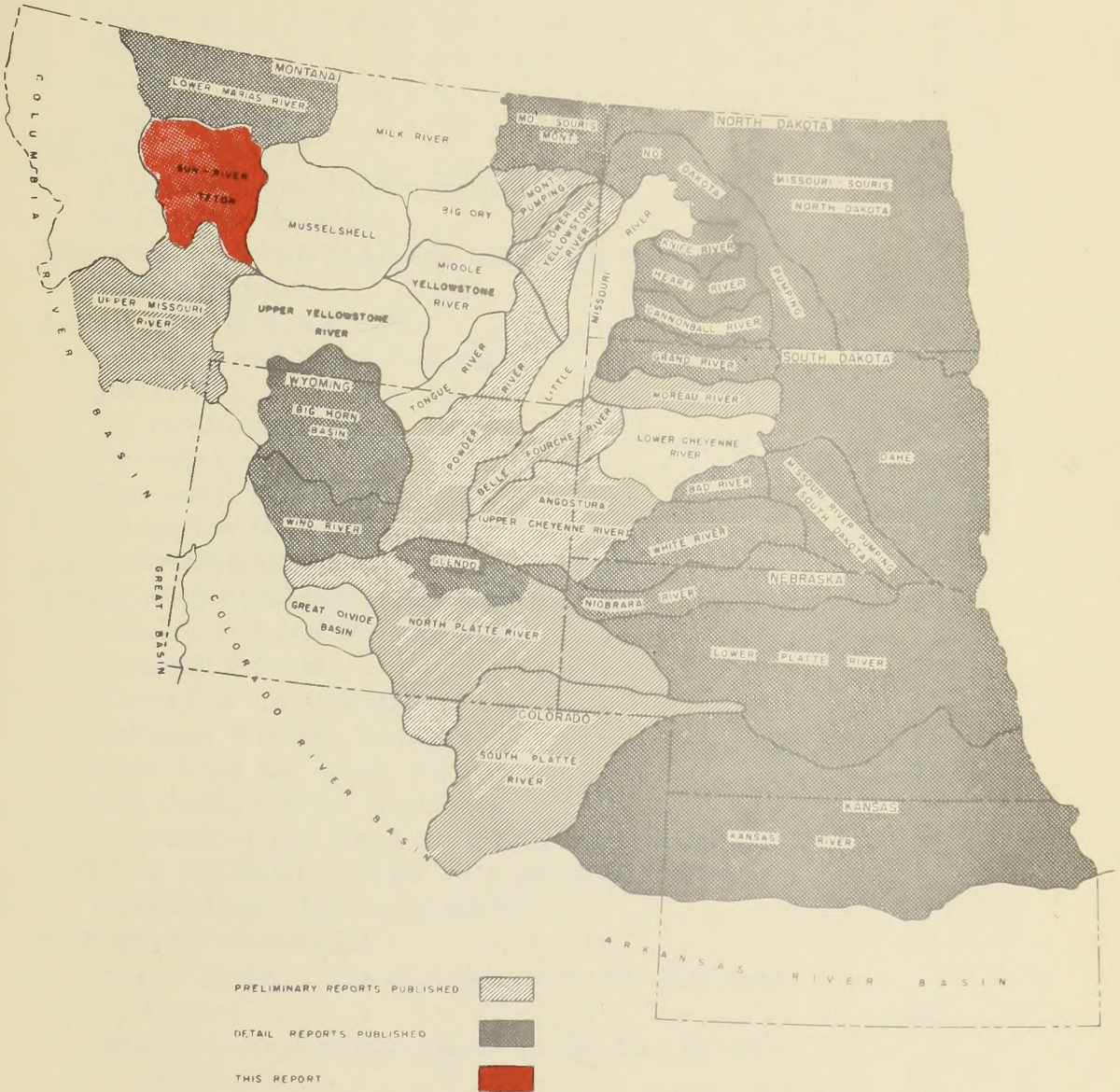
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This report was compiled as a feature of the program of
the Department of the Interior for the development
of the resources of the Missouri River Basin.

PRESENT STATUS OF BUREAU OF LAND MANAGEMENT
STUDIES IN THE MISSOURI RIVER BASIN
(LAND CLASSIFICATION)



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INTRODUCTION

This report presents an analysis of the physical and economic factors of the Sun River-Teton area in west central Montana as they relate to the public domain lands under the administration of the Bureau of Land Management and as a phase of the over-all Missouri River development program. Sufficient information is presented from studies and surveys to consider the specific problems and to make recommendations for the management and tenure of the public domain lands. The purpose of the detailed study of each tract of public domain in this area is to advance their utility for the general public interest and to promote their proper use insofar as they be compatible with proper conservation practice. Public agencies, both Federal and State, which may be interested in obtaining any of these lands to facilitate their public programs, will be apprised of the location, description and classification of these lands by means of this report.

Particular emphasis is given to the determination and appraisal of the administrative, management, and utilization problems as they affect the public lands. The study area has been divided into three subareas: the Marysville subarea, the Sun River subarea, and the Disposal subarea. The Marysville and Sun River areas contain large blocks of public domain lands. These concentrations of public domain and the boundaries of the two areas are shown on the map of the Sun River-Teton area in the appendix of this report. The balance of the report area is considered to be an area of disposal for public domain lands. The Marysville and Sun River areas include most of the public domain on the higher elevations within the study area. The public lands in these two areas have watershed, recreation, wildlife, timber, and mineral values. Land classification within the study area has been limited to the public domain lands. Cultural features, land management areas, drainage and location of the public domain lands are shown on the map and map supplement with this report.

Each isolated tract of public domain was examined in detail, classified, and appraised. A classification report, complete with map and replete with 60 pertinent details of condition and management recommendation, was prepared for each tract. These reports are on file in the Region III office of the Bureau of Land Management. Aerial photographs were used in the study of the public domain and adjacent lands. Basic source data contained in this report were obtained from government agencies and their publications pertaining to the area. The county planning boards and the county officers were the source of much valuable information.

The field reconnaissance and report preparation was accomplished by L. A. Merryfield, Range Conservationist. The report was edited by C. R. Peteler, Range Conservationist. Information regarding mineral resources of the area was provided by W. R. Sholes, Mineral Examiner. Cartography was under the supervision of William C. Anderson, Engineering Draftsman, and the entire study was under the direction of R. D. Nielson, Regional Chief, Division of Lands, Region III, Bureau of Land Management, Billings, Montana. This report has been reviewed by L. E. Fallon, Fred Benson and Alva Gould of the Bureau of Land Management, who are the Area Managers for Montana areas 1, 5 and 6. Other interested agencies have reviewed preliminary copies of the report to permit full coordination and integration of program plans within the report area.

GENERAL DESCRIPTION

Location and Size

The Sun River-Teton area is located in the west central part of Montana and embraces all of Cascade, Lewis and Clark, and Teton Counties, and portions of Chouteau, Judith Basin, Jefferson, and Broadwater Counties. The drainage of the Missouri River from Fort Benton to Canyon Ferry Dam, near Helena, is included in the area. The western boundary is the Continental Divide and the northern boundary is the Teton-Marias River Divide. The eastern limitation is the Musselshell Divide and minor divides north thereof. The southern line is determined by the drainage areas of the Missouri tributaries located below Canyon Ferry Dam.

The gross area of the Sun River-Teton area is 7, 146, 501 acres of which 5, 200, 540 acres is privately owned; 378, 421 acres State lands; 1, 338, 002 is National Forest; 12, 235 is the Benton Lake National Wildlife Refuge; 1, 000 acres Veterans Administration at Fort Harrison, Helena; 4, 145 acres is public domain withdrawn for the Sun River State Elk Range; 2, 147 acres reservoir rights-of-way for the Pishkum and Harvey reservoirs; 3, 324 acres are power site withdrawals; 11, 841 acres reclamation withdrawals and 194, 846 acres unreserved public domain. Montana Grazing District No. V extends into the area. There are 17, 345 acres of public domain lands within this grazing district in Jefferson and Broadwater Counties. All of the area is within the area of responsibility of Montana areas 1, 5 and 6.

Geography

The high plains make up about one-half of the area; mountains and intermountain basins and stream valleys make up the other half. The high plains cover the northern part of the area at the lower elevations. The Rocky Mountains are on the west, south, and southeastern borders of the area. Foothills, with extensive benchlands and plateaus, extend downward from the mountains to the plains. The main range of the Rockies borders the area on the west and the Continental Divide forms the western boundary. Topography varies from the steep mountains west of Helena to rolling and undulating plains with some flat irrigated lands, such as those around Fairfield, on the Sun River Project. The elevation of the area ranges from 2, 800 feet at Loma, where the Teton River enters the Marias, to 8, 878 feet at the top of Scapegoat Mountain in Lewis and Clark County.

The main range of the Rockies outlines the western boundary to the Continental Divide. It has an average elevation of 8,000 feet; the higher peaks rise to almost 9,000 feet. The passes over the divide have elevations of 6,300 to 6,500 feet. The main range consists of saw-tooth ridges and bald peaks. Igneous intrusions occur in the southern part, and the contact zones are locally mineralized. Gold, silver, and lead ores are the chief product of the Marysville and Helena mining district. Placer mining has been carried on in many of the mountain gulches, and some are still being profitably worked.

The Big Belt Mountains, east of Helena, are one of the front ranges of the Rocky Mountains. The main divide forms the boundary line between Lewis and Clark and Meagher Counties. These mountains rise above the plain in Lewis and Clark and Cascade Counties and extend southeast. The average elevation is 7,000 feet and the highest peak is 9,600 feet. Mineralized areas are found locally in association with igneous intrusions. Some rich deposits have been worked in many of the mountain gulches and a few gold bearing quartz veins have been discovered.

The Elkhorn Mountains, also known as the Boulder Range, rise above the Helena basin in the southern part of Lewis and Clark County and extend south into Jefferson and Broadwater Counties. Mineralized districts occur in the vicinity of Rimini and other mining camps in Jefferson and Broadwater Counties. Gold, silver, and lead ores are the chief products of the mines.

The Little Belt Mountains form the southern portion of the eastern boundary. The main divide of these mountains is the boundary between Cascade and Meagher Counties. These mountains cover the southeastern part of Cascade County east of the Smith River. These mountains are highly mineralized in the vicinity of Neihart and Baker. The Little Belts have an average elevation of approximately 7,000 feet. The highest peaks locally are serrated but most of them are well rounded. These mountains are characterized by numerous tracts of park land. Grass often covers the lower southern slopes of the ridges and peaks.

The Mission Mountains lie west of the Missouri River and north of the Dearborn River in the northeastern part of Lewis and Clark County and the western part of Cascade County. These mountains are a spur of the Big Belt Mountains, and their average elevation is less than 6,000 feet, the highest peak rising to 6,300 feet. A number of isolated igneous buttes, often having the appearance of dikes, occur north of the Mission Range and extend almost to Sun River. Birdtail Butte is one of the most conspicuous physical features in the west central part of Cascade County and has an elevation of 5,000 feet. Crown, Square, and Fort Shaw Buttes are also igneous outcrops having elevations of 4,800 feet and rise almost 1,000 feet above the valley of Sun River. South from these buttes igneous dikes often form a wall 25 or 30 feet high across the county.

The Highwood Mountains rise abruptly in the northern and eastern parts of the area. These mountains are a cluster of volcanic peaks. The highest peaks of these mountains, such as Middle and Highwood, attain a height of 7,000 to 7,600 feet. The northeastern portion of the area includes a transitional area between these mountain groups and the rolling drift-covered plains. The salient features here are the Little Belt and Highwood Mountains; the gently sloping plateaus; the rolling, drift-covered plains; and the falls and rapids of the Missouri River.

Drainage

The Missouri River drains 11, 166 square miles and produces an average flow of 3, 317 cubic feet per second from the Sun River-Teton area. The geological survey has records of 33 gaging stations in the area, 4 on the Missouri River and 29 on the tributaries. Summarized records for the four Missouri River stations and those for the principal tributaries are given in the following tabulations:

Stream	Drainage Area Sq. Mi.	Max. Flow C/F/S	Min. Flow C/F/S	Aver. Flow C/F/S	No. of Years
Missouri R., Canyon Ferry	15, 700	---	---	4, 960	14
Missouri R., Craig	17, 600	28, 650	1, 742	5, 090	3
Missouri R., Cascade	18, 300	49, 300	800	6, 500	13
Missouri R., Fort Benton	24, 600	140, 000	320	8, 201	63
Sun River at Vaughn	2, 200	11, 200	20	530	10
Teton R., Ft. Benton	1, 945	5, 660	0	76	3
Smith R., Truly	2, 005	4, 010	0. 2	220	3
Dearborn R., Clemons	122	2, 490	7. 4	104	17
Little Prickly Pear Cr., Canyon Cr.	180	665	0	48	14
Prickly Pear Cr., East Helena	258	535	15	60	4

Rivers of the area are clear mountain streams which usually carry very little sediment. Even the muddy Missouri is a reasonably clear stream above Great Falls and picks up little sediment until it passes Cascade. The badlands, clay and shale formations north and east of Great Falls, furnish considerable sediment to the Missouri River and its tributaries in that area. Waste from the irrigated lands contributes sediment to the streams, but the predominance of hay as a crop minimizes sediment production from this source. Location of streams within the area is shown on the map with this report.

The Sun River is formed in a rugged mountainous area in the northwestern part of Lewis and Clark County. It flows eastward in an entrenched, brush-covered valley which is nearly one-half mile wide and located north of Augusta. It is a swift flowing stream emerging from the mountains in a deep limestone canyon

and emptying into the Missouri River at Great Falls, Montana. This stream is one of the largest branches of the Missouri River in central Montana. The Gibson Reservoir, located a few miles above the diversion dam at the mouth of the canyon, supplies water for the Sun River Irrigation Project in Teton and Cascade Counties.

The Dearborn River is a large perennial stream rising on the Continental Divide and joins the Missouri River in the mountains east of Craig. It emerges from the mountains in a rock-walled canyon, and its narrow valley is deeply entrenched along most of its course.

Little Prickly Pear Creek is a fair-sized perennial stream heading in the Continental Divide, entering Wolf Creek west of the town of Wolf Creek. Its course through the mountains is in deep, wooded canyons and rock-walled gorges. Prickly Pear Creek rises in the Elkhorn Mountains. It flows north and empties into Lake Helena. It carries a fair volume of water and meanders along a stony flood plain which is less than one-fourth mile wide.

The Smith River, also known as Deep Creek, rises on the slopes of the Castle Mountains in Meagher County. The stream crosses the county line in a deep limestone canyon which gives way to a valley about one-half mile wide bordered by high sandstone cliffs. The terraced valley is cut into irregular tracts by the meandering of the stream. This valley starts near the mouth of Hound Creek and continues to the junction with the Missouri River.

The Teton River is formed by the union of the South Fork, the North Fork, Muddy, Willow and Deep Creeks. It is a swift flowing stream emerging from the mountains in a deep limestone canyon. For several miles after leaving the canyon, it flows through a narrow sandstone gorge which later widens out to a brush-covered flat. This river rises along the east slope of the Continental Divide and flows in an easterly direction and empties into the Marias River near Loma, Montana. Belt Creek rises in the Belt Mountains on the north slope of Kings Hill, a few miles north of Neihart, Montana, and enters the Missouri River near Portage.

Climate

The climate of the area ranges from semi-arid in the plains to sub-humid in the foothills, intermountain basins, and in the mountains. The lower plains have a comparatively low rainfall, great temperature extremes, large number of sunshiny days, and a low relative humidity. The midsummer temperatures are not oppressive because of the low humidity, and the winter extremes are not especially severe as the cold waves are not often accompanied by strong winds. The climatic conditions in the mountains vary with the location and elevation. The rainfall generally increases with the elevation. Table 1 gives the average annual rainfall, maximum and minimum temperature, length of growing season, snow depth, and elevation for 16 stations in the area.

The mean average annual temperature ranges from a low of 38.5° at Blackleaf in Teton County to 46.1° in the Missouri Canyon at Holter. The maximum temperature varies from a low of 96° at Blackleaf to a high of 108° at Holter. The minimum ranges from -41° at Canyon Ferry to -51° at Augusta in Lewis and Clark County. January, with an average of 17.1° to 25.3° , is the coldest month, and July, with an average of 60.2° to 68.7° is the warmest. The mean annual precipitation ranges from 10.95 inches at Fort Shaw, near Great Falls, to 24.51 inches at Adel in Cascade County. The average annual rainfall ranges from 8.47 inches in the Helena Valley to 21.31 inches at Chessman Reservoir station in Lewis and Clark County. The average annual snow fall ranges from 32.5 inches at Holter to 107.8 inches at the Big Ox station located near Marysville in Lewis and Clark County. This area is subject to brisk westerly and southwesterly winds which are generally stronger during the early spring months and in dry seasons, and may cause considerable damage to early seeded crops from soil drifting. Warm winds, known as chinooks, occur in this part of the state during the winter months and often melt the accumulated snow on the lower plains. In dry seasons, hot winds rise occasionally and cause serious crop losses on the dryland areas. Hail storms of more or less severity occur locally during the summer months. The dry farming areas of Chouteau, Cascade, and Teton Counties are more subject to hail damage than the rest of the area.

Table 1. - Climatic Summary of the Sun River-Teton Area, Montana

Station	Length of Record Years	Maximum Temper. (deg. F.)	Minimum Temper. (deg. F.)	Growing Season Days (above 32°F)	Average Annual Precip. (inches)	Snow Fall in Depth (inches)	Elevation (ft. m. s.l.)
Lewis and Clark Co.							
Augusta	38	102	-51	104	14.35	49.1	4,076
Big Ox	19	100	-37	97	19.08	107.8	4,800
Canyon Ferry	40	104	-41	132	10.99		3,470
Chessman Res.					21.31		4,200
East Helena	14	104	-45	131	9.39		3,950
Helena	40	103	-42	153	12.54	56.5	4,110
Helena Valley					8.47		3,800
Holter	35	108	-44	133	13.24	32.5	3,416
Sun River Canyon	24	106	-49	117	15.52		4,071
Cascade County							
Adel	40	106	-51	89	24.20	98.3	5,200
Cascade	35	104	-57	120	15.83	52.0	3,378
Great Falls	40	107	-49	139	15.21	44.7	3,330
Teton County							
Blackleaf	12	96	-46	87	16.92	59.6	
Choteau	23	106	-50	112	11.79	50.5	3,810
Fairfield	32	112	-49	124	11.53	38.6	3,983
Jefferson County							
Boulder	22	105	-39	87	12.60	45.8	4,884
Meagher County							
White Sulphur Springs	22	100	-42	108	14.19	54.9	5,187

Soils

The soils of the Sun River-Teton area comprise all the types and series found in northern Montana. They are residual soils derived from the parent formation and transported soils which are created by glacial movement or deposited in the inland lake that covered this area before the rivers broke out of the mountains. For the purpose of this report, they will be divided into four general types: mountain, grazing, cropland, and badlands.

1. Mountain Soils: These are undifferentiated, unclassified, often gravelly and rocky soils. They are usually shallow with rough topography. They are characterized by the parent rock in the particular area. In the Rocky Mountain areas they are mainly limestone soils. In the Elkhorn and part of the Belt Mountains the soils are characterized by coarse, dark sand derived from the granite and igneous rocks. On the west slope of the Highwoods, the soils are derived from a light volcanic ash. A part of these mountain areas are barren rock exposures and escarpments which produce no vegetation. The shallow, rocky areas have scrubby timber trees and weeds. On sites where there has been a substantial deposit of duff and humus, a good top soil has been formed. There are excellent stands of timber trees, brush, weeds and grass, or a combination of all three. Forty-three percent of the area is in the mountain-soils section. A small part of the public domain lands located adjacent to the National Forest are situated on the mountain-soils.

2. Grazing Area Soils: These are characterized by the shallow, gravelly soils on the benches along the Sun, Teton, Dearborn, and Smith Rivers located near the mountains. There may be little or no top soil except what humus the scattered vegetation holds, as found on the gravel benches between Augusta and the Rocky Mountains, and as on the gravel benches around Helena. The soils belong to the gravel and rock phase of the Berthold, Williams, Roy, Avalanche, and Amsterdam soil series. Forty-two percent of the area falls in this classification. Nearly all of the public domain lands are located in the grazing area.

3. Cropland Soils: Croplands consist of 909,250 acres of dryland and 188,350 acres of irrigable land. These soils are silt loam and loam phases of the Scobey, Joplin, Bainville, Morton, Teton, Phillips, and Chouteau soil series. Croplands constitute 15 percent of the total area. The croplands are mostly located in the plains area with minor amounts on benches and in the intermountain basins and valleys.

4. Badlands: Badlands make up less than one-half of one percent of the area. They are located along the Missouri River near Fort Benton and adjacent to the Teton River north of Loma, Montana. These are mostly barren, gullied clay hills and ridges formed by the weathering of the Colorado, Clagget, and Bear Paw shales. These areas have a scanty vegetative cover with a low carrying capacity and erode easily because of the steepness of the slopes and their unstable raw material. They lack any true soil as the parent material itself erodes before a soil can be formed.

Vegetal Cover

The higher peaks and ridges in the mountains lie above the timber line and are generally covered with slide rock or talus. The higher mountain slopes and basins below the alpine sections are well covered with lodgepole pine, common Douglas fir, and Engelmann spruce, with an understudy of brush and weeds. Some bluegrass and pinegrass is found here. Western yellow pine is found at the lower elevations and in some of the intermountain area. Merchantable saw timber is found locally in the mountains, but much of it is inaccessible at this time. The lower mountain slopes east of the Continental Divide, the rough mountains north of the Helena basin to the Dearborn River, and the steep mountains at the head of Hound and Sheep Creek near Cascade, Montana, support a sparse growth of Rocky Mountain juniper, limber pine, scrubby common Douglas fir with bearded bluebunch wheatgrass, bluegrass, pinegrass, and green needlegrass and mountain brush. Quaking aspen is confined to the steep and poorly drained slopes. Willows, chokecherries, serviceberries, and other shrubs form dense thickets in the stream valleys and on many of the canyon slopes. The flood plains of the Missouri, Sun, Teton, Dearborn, and Smith Rivers are covered with groves of cottonwoods and thickets of willows, rose, and snowberry. Upland sedges, red top, and timothy are found in the open parks in timbered mountain areas. The understory in the timbered sections consists mainly of weeds and shrubs. The forage on the higher mountain parks is somewhat more palatable to sheep than to cattle during the three or four months that this section is free from snow.

The tall grasses, such as bluestem wheatgrass, spike and slender wheatgrass, poas, fescues, and prairie junegrass predominate on the higher tablelands, morains and lower grassed-over mountain slopes. The short grasses, such as blue grama, thread-leaf sedge, low fescue, and associated species, are found in the

intermountain basins and lower plains east of the Continental Divide. Wire grass and American slough grass make up a large portion of the vegetation on the wet bottom lands, and black greasewood, Gardner saltbush, inland saltgrass and sedges are typical plants on the poorly drained and saline areas.

Plants poisonous to livestock in the intermountain basins and plains are low larkspur and loco, and on the higher benchlands and foothill section, lupine, meadow death camas, and tall larkspur. Water hemlock and other poisonous plants are found along streams in the mountains. Stock losses from poisonous plants are low in most sections.

The abundance and character of the vegetation is influenced by drought, grazing intensity, hail, and insect infestations. The prevalence of such vegetation as cheat grass, porcupine grass, sweet sage, rabbitbrush, snake weed, and yarrow indicates adverse climatic conditions or poor range management. The carrying capacity of the range for any particular season or area depends on a number of factors. The grazing season varies from less than four months on the high morains and mountain slopes to ten months in the intermountain basin and on the plains.

The plains portion of the area is highly regarded as excellent grazing land. Much of the land in this portion requires only 2 1/2 acres per animal unit month. The land in the other grazing areas occupies less favorable sites and lacks the better soils found on the plains. Bench, plateau, and foothill lands have an average grazing capacity of about 4 1/2 acres. Lower quality sites have less capacity. Grazing capacity diminishes as the altitude increases, mountain grazing areas averaging about ten acres per animal unit month. Nearly all of the public domain lands are relatively poor sites with a grazing capacity ranging from seven to ten acres per animal unit month.

AREA ECONOMY

Economy of the area covers an unusual range for a segment of the Missouri River Basin. Wheat, livestock, metal refining, hydroelectric power production and mining are the leading enterprises and industries in the area. Flour milling, oil refining, paper pulpwood production and lumbering are less important industries. Irrigated crops contribute to the income and are an important source of winter feed for the large livestock production of the area. Governmental activities are particularly important in the regions economy. Great Falls is an important manufacturing, distributing, trade, shipping and cultural center. Helena also is of importance in these respects and in addition is the capital of Montana.

Dry-farmed wheat is produced on the extensive rolling plains in the northeastern portion of the area. The large area of non-irrigated farmland produces excellent crops and makes this one of the leading wheat producing sections of Montana. Cattle and sheep are produced on the range ranches and farms in the area. Much of the irrigated farmland and some of the dry-farmed land is used to produce hay and other feed for livestock. Metal refining and processing is the leading industry, with seven large plants in the area. This area is the largest producer of hydroelectric power in Montana. Seven power plants are located along the Missouri River, four of them being near Great Falls. Two large flour mills and an oil refinery are located at Great Falls. Mining, long the leading industry of the area, continues to be important. Both precious and base metals are mined from lode and placer deposits. Production of cordwood for paper pulp is rapidly becoming an important industry in the area and utilizes the extensive stands of lodgepole pine. A number of small sawmills operate periodically to further utilize the timber resources of the area.

Great Falls, a beautiful city located on both sides of the Missouri River, is a metal refining center. The Anaconda Copper Mining Company has four units here within the Great Falls Reduction Plant. An electrolytic refining plant for copper is combined with a furnace and heat treating plant which produces marketable cast shapes and wire bars. An electrolytic zinc refining plant is also combined with a furnace and heat treating plant to produce marketable cast shapes and bars. Raw metal is shipped to these plants from the company's smelter at Anaconda. An affiliated plant of the Anaconda Wire and Cable Company utilizes the refined copper to manufacture copper wire. The product of the nearby hydroelectric plants of the Montana Power Company along the Missouri is largely used in the two electrolytic refining plants. The

two large flour mills located here are operated by General Mills and by the Montana Flour Mills Company. They mill local and transit grain, producing bakers and family flour. Phillips Petroleum Company has a refinery in Great Falls with a capacity of 2,800 barrels daily. Great Falls is also a distributing supply and marketing center for northcentral Montana. The Great Western Sugar Company plans to build a beet sugar processing plant in the area as soon as sufficient beets become available.

Helena rapidly developed from a mining camp to become the capital of Montana. All of the State offices and departments are located in this city. Nearby East Helena has two metal refining plants, the custom smelter of the American Smelting and Refining Company and the Zinc Fuming Plant of the Anaconda Copper Company. The smelter processes lead and silver concentrates, principally from Idaho mines. This plant also treats ores, zinc plant residues, concentrates and tailings from Montana. The Zinc Fuming Plant treats smelter slag. Helena also serves as a distributing, marketing, shipping and supply center for a large section of Montana.

Governmental activities contribute largely to the area economy. Helena is the capital city of the State of Montana. East Base at Great Falls is a permanent base of the U. S. Air Force. The Veterans Administration operates a hospital at Fort Harrison near Helena. Forest Supervisor's offices of the U. S. Forest Service are located at Helena and Great Falls to administer the Helena and Lewis and Clark National Forests. Six permanent forest ranger stations and offices are located at Augusta, Choteau, Great Falls, Helena, Neihart, and White Sulphur Springs. The Bureau of Reclamation maintains a district office at Great Falls. The area includes five county seats: Cascade County, Great Falls; Chouteau County, Fort Benton; Lewis and Clark County, Helena; Meagher County, White Sulphur Springs; Teton County, Choteau. These cities provide County offices and Federal offices of the Department of Agriculture.

Population and Public Facilities

Great Falls is the largest city in this area and is also the largest city in the State, with a population of 39,000 persons, according to the 1950 census. Helena, the capital of the State and located in the southwestern part of the area, has a population of 15,056. Population figures for other cities of the area are East Helena, 1,143; Augusta, 826; Cascade, 1,050; Neihart, 466; Belt, 744; Choteau, 1,181; Bynum, 267; Fairfield, 1,170; Dutton, 447; Fort Benton, 1,127; and White Sulphur Springs, 858. The total population of the area is approximately 86,662 or approximately one person to 822 acres; however, by taking the National Forest lands out of this calculation, the population distribution is one person per 670 acres. Seventy-four percent of the population is found in the thirteen largest cities and towns named above.

All of the area outside of the National Forests is well serviced with railroads, highways, and roads except a few mountainous sections around Wolf Creek and south of Cascade. These areas with poor access are used exclusively for sheep, cattle, and game range, and no additional facilities are needed for their use. A loop line of the Northern Pacific Railway from its transcontinental main line passes through Helena. The Great Northern line from Havre to Butte follows the Missouri River and Prickly Pear Creek and serves Fort Benton, Great Falls, and Helena. The Great Northern line from Billings to Shelby also crosses the area. Five branch lines of this railroad terminate at various towns within the area. The Milwaukee Railroad has two branch lines in the area, one goes through Great Falls and terminates at Agawam and the second ends at White Sulphur Springs. U. S. Highways in the area are No. 's 10, 87, 89, and 91; State Highways No. 's 6, 20, 29, and 33.

Schools and other social and public facilities are available in the cities and all the larger towns. Electricity and natural gas are supplied to all of the cities and to nearly all of the towns in the area. Most of the farms in the area are provided with electric power.

Settlement History

Early settlement of the area was interfered with by the hostility of the native inhabitants, the Blackfeet Indians. In 1842 the American Fur Trading Company established a trading post at Fort Benton, head of navigation on the Missouri. From here supplies were freighted by oxen to the mining camps and outlying traders. The first large settlement in the area was the result of the discovery of gold in Last Chance Gulch in 1864. The City of Helena soon rose on this site. Continued hostility and depredations of the Blackfeet led to the establishment of Fort Shaw on the Sun River in 1867. Beginning at this time, cattle were brought into the area from Texas and stockmen began to settle in the area, principally along the stream valleys. Mining and stock raising continued to be the principal industries and resource uses for many years.

Irrigation was developed by some of the early stockmen who used diversions to produce hay. Dryland farming started in the seventies with the breaking of land for grain and vegetables to supply Fort Shaw. Settlers near the camps and forts began to produce milk and vegetables. The Sun River Irrigation Project was opened to settlement in 1908. Other large irrigation developments in the area were mostly settled after 1910. The dryland wheat farms in the northeastern portion of the area were taken up from 1906 to 1915. Droughts in 1918 to 1921 caused abandonment of farm lands in the area and reduced the number of farms and rural inhabitants. Since that time, increase in the size of dry farms due to mechanization has led to reduction in the number of farms and rural population. This has been balanced by settlement and development on irrigated areas. The production of gold and silver has largely disappeared along with the population of the early mining camps. The development of power and electrolytic refining along with the smelting industry has increased the urban population of the area.

DEFENSE POTENTIAL OF THE SUN RIVER -TETON AREA

Principal values of the Sun River-Teton area in defense potential are the large production of wheat from its dry-farm land, livestock produced on the range and farm lands, the copper and zinc refining plants, and the hydroelectric power production. The Air Force base, flour mills, mines, petroleum refinery, and forest resources all contribute importantly to the national defense potential of the area.

An outline of the defense elements of the Sun River-Teton area is as follows:

1. Cropland area of 909,250 acres of dry-farm land largely used to produce wheat. Cropland area of 188,350 acres of irrigable farm land principally used for hay production. Annual value of cropland production exclusive of that used for livestock feed by the producer is estimated to be \$33,000,000 in 1951.
2. Grazing land area of 2,986,900 acres with about 800,000 animal unit months of grazing available under recommended stocking rates.
3. A livestock industry with 210,000 cattle and 215,000 sheep which utilizes the grazing lands and supplementary feeds produced on irrigated and non-irrigated lands. The annual product value is estimated to be \$33,000,000 in 1951.
4. East Base of the U. S. Air Force at Great Falls.
5. Two electrolytic metal refining plants, one for copper and one for zinc.
6. Two metal treating plants which produce marketable bars and shapes, one for copper and another for zinc.
7. A commercial custom lead-silver smelter.
8. A zinc fuming plant.
9. A copper wire mill.
10. Seven hydroelectric plants with an installed capacity of 251,700 kilowatts and an annual production of 1,836.6 million kilowatt hours. Additional proposed sites would increase these figures about 50 percent.

11. Two large flour mills.
12. An oil refinery of 2,800 barrels capacity.
13. Annual production of a large volume of paper pulp cordwood and a considerable amount of rough lumber.
14. The annual production of substantial amounts of gold, silver, lead, zinc, copper, and other metals from a number of mines in the area.
15. Great Falls and Helena are important distribution, service, supply, shipping and marketing centers.

LAND AND WATER USE

Much of the area is mountainous and not suitable for grazing or farming, only 57 percent being used for agriculture. Grazing lands make up 42 percent of the area, dryland farms occupy 12½ percent and irrigated lands cover 2½ percent of the study area. About ¾ of the public domain lands in the area are useful for grazing, ¼ being mountainous and of value only for watershed and wildlife. The following tabulation shows the approximate land use of the entire study area in acres by counties:

County	Irrigable	Dry		Non-Agr.		Total
		Land	Grazing	Land 1/		
Lewis & Clark	41,000	105,000	390,000	1,670,080	2,206,080	
Teton	100,000	460,000	369,000	441,744	1,370,744	
Cascade	35,000	185,000	1,160,000	337,868	1,717,868	
Chouteau	4,000	86,000	405,000	147,993	642,993	
Meagher	5,800	55,000	513,000	315,363	889,163	
Judith Basin	800	5,500	73,000	37,617	116,917	
Broadwater	350	1,750	8,900	1,347	12,347	
Jefferson	1,400	11,000	68,000	109,989	190,389	
Total	188,350	909,250	2,986,900	3,062,001	7,146,501	
Percent	2.6	12.7	41.8	42.9	100.0	

1/ Mountains, stream beds, townsites, cemeteries. Data for this table were obtained from county officials and county reconnaissance soil surveys.

Farming and Stock Raising

The most important crops in this area are spring wheat, hay, and winter wheat on dry land; barley, oats, rye, and flax are also produced. Hay is the leading irrigated crop, followed by barley, oats, spring wheat and winter wheat. Small amounts of flax, mustard, crested wheatgrass, sweet clover, beets, potatoes and peas are also grown on the irrigated areas. Successful stock raising is carried on over the entire area, and some of the larger Montana cattle and sheep ranches are found here. The average yield per acre in this area are as follows: barley, 16.2 bushels; corn, 13.6; flax, 5.2; hay, wild and tame, 0.9 ton; oats, 19.4 bushels; potatoes, 67.7 bushels; rye, 8.2; wheat (fall and spring) 15.0; sugar beets in Cascade County, 8.4 tons.

This area is considered to be one of the most important stock raising areas of the State because of the large amount of rangeland. It is estimated that there are 210,000 cattle and 215,000 sheep in the area. The early stockmen located chiefly in the larger stream valleys in the foothills, mountains, and intermountain basins. Many of the early stockmen acquired title to the better grazing lands, and with the development of irrigation, their holdings became economic ranching units with a good balance between hay lands and seasonal grazing lands. The better organized stock ranches operate on 5 to 15 sections of privately-owned and leased lands, and winter their stock on irrigated home ranches. The winter feeding season varies from 0 to 7 months, depending upon the winter climates of particular years, and to a lesser extent, upon the site of the operation. Those located near the forest reserves usually graze some of their stock on the National Forests during the summer.

In many areas where public domain lands are available, these are leased by the adjacent landowners and become an integral part of the operation. The combination grain and livestock producers run their herds chiefly on privately-owned and leased lands and winter them on the feed and forage produced on the dry land and irrigated farms and ranches. There has been an increase in livestock numbers in the area since the drought of 1918 to 1921. This increase was brought about by a shift from dry farming to stock raising in the more marginal dry farming sections and, between 1930 and 1937, by the movement of stock from the drought stricken plains of eastern Montana. Under normal conditions, livestock numbers are well balanced with winter feed supply and do not fluctuate as greatly as in the plains of eastern Montana.

Cash receipts for crops produced in the area were \$32, 124, 000 in 1948. Livestock cash receipts were \$17, 165, 000 in the same year. In 1949, a dry year, crops were sold for \$26, 972, 000 and the cash return from livestock was \$17, 759, 000 in the study area, according to the data published in Montana Agricultural Statistics, 1950. Owing to higher prices for livestock, it is estimated that the amounts received for livestock and crops were about equal in 1951, the amount of each probably being about \$33, 000, 000. In addition to the cash receipts from crops, practically all of the hay, which is a major crop in the area, is utilized for feeding livestock. The same is true for a small portion of the grain produced, so a good share of the crop production is marketed in the form of livestock by the farmer or rancher producing the crop.

Minerals

Some of the most important mineral deposits of Montana are found in this area. Coal underlies a large area in eastern Cascade County, and is produced by operators near Belt, Armington, Sand Coulee, and Stockett. Petroleum is found in the Pondera and Midway, or Brady-Conrad fields, in Teton County along the north boundary of the basin. Considerable prospecting is being done near Fort Benton and on the bench above Loma, and two drilling operations are being conducted near Power. Gold, silver, lead, copper, and zinc have been produced in large amounts from the Greater Helena mining district, and sporadically in small amounts from the Hot Springs and Neihart areas. According to 1948 reports of the Bureau of Mines, this area produced 51, 583 tons of coal valued at \$148, 344. Estimated production of petroleum from the Pondera field was 18, 000 barrels valued at \$46, 000. The following metals were produced in 1947:

County	Gold Ounces	Silver Ounces	Copper Pounds	Lead Pounds	Zinc Pounds	Value Dollars
Cascade	85	43, 960	4, 600	427, 700	525, 500	190, 208
Jefferson	3, 908	22, 117	12, 900	218, 600	84, 400	209, 603
Lewis & Clark	14, 825	159, 726	235, 700	4, 177, 700	3, 043, 600	1, 867, 198
Meagher	7					245
Total	18, 825	225, 803	253, 200	4, 824, 000	3, 653, 500	2, 267, 254

Total value of all mineral production in the area in 1947, including metals, coal and oil was \$2, 462, 198.

Additional minerals are present in this area, but little or no production is now reported. Phosphate rock occurs southwest of Marysville; titaniferous iron in west central Teton County; iron and molybdenum in the Neihart district, Meagher County; manganese southeast of Hot Springs in Meagher County. Uranium ore is reported in the vicinity of Clancy in Jefferson County. Large amounts of gypsum of excellent quality occur in northwest Meagher County. High quality limestone is found in many parts of the area, especially near old Montana City.

Forest Resources

There are large stands of pulpwood, posts, poles, mining timber, and tie timber in this area. Lodgepole pine is being cut for paper pulp cordwood from the National Forest land in the White Sulphur Springs area. The pulpwood is trucked to White Sulphur Springs and shipped to paper mills in Wisconsin. A few small saw mills operate around Helena, Neihart, White Sulphur Springs, and Augusta. The production of these mills is estimated at a total of 25 MBF per day. Most of them usually do not operate in the summer. A large part of the timber is inaccessible at present; however, it is valuable for watershed protection, potential lumber and other forest products, soil conservation and game range. Eighteen and seven-tenths percent of the area is covered with National Forests, and the greater part of this is thickly wooded. About 15 percent of the public domain lands is also classified as forest and woodland, and is primarily valuable for this use.

Recreation

This area encompasses one of the most diversified recreational areas in the West. The scenic beauty of the rugged mountains along the upper reaches of the Teton, Sun, and Dearborn Rivers in Lewis and Clark County is incomparable. The clear mountain rivers and streams cascade through picturesque canyons which cut through thousands of feet of solid limestone and are fringed by evergreen forests. These rivers and their many tributaries afford the finest trout fishing in Montana for those who wish to get off the beaten trail. Skiing and other winter sports are important recreational activities in the area. The area abounds in elk and deer, and mountain sheep are found along the Continental Divide. The State of Montana has established a large elk range which reaches from the Dearborn to the Teton River along the

east side of the Lewis and Clark National Forest, and has purchased large tracts of private lands in this area to further this project. The large acreages of public domain lands under the management of the Bureau of Land Management in this area will play an important part in this development. Public domain land with an area of 4, 145 acres has been turned over to the State for this purpose.

The Pishkum, Teton Springs, Willow Creek, and Blackleaf bird and game refuges have been set up in Teton and Lewis and Clark Counties to insure proper protection and conservation of waterfowl, upland birds, and game. Near Helena, where the Missouri River cuts deep gorges through the mountains, there are five large lakes valued for their scenic beauty and recreational resources. These are lakes Helena, Hauser, Holter, Sewell, and the beautiful lake of The Gates of the Mountains. The old Canyon Ferry Dam is being replaced by the new Canyon Ferry Dam, a mile below, which is now being constructed by the Bureau of Reclamation. Excellent fishing, hunting and recreation facilities are found in and around these lakes and along the river. The public domain lands here are an important factor in the recreational development of the area.

In Cascade and Meagher Counties, the Smith River, which rises near White Sulphur Springs in Meagher County and enters the Missouri River at Ulm in Cascade County, affords excellent fishing, hunting and recreation for its entire length. The Bureau's lands along this river are valuable for recreation and possible cabin sites. The Missouri River, where it comes through the Wolf Creek Canyon southwest of Great Falls, is the location of the most spectacular fish derby in the inland states. It is estimated that 4, 000 cars lined the river during the last derby in 1951. Below Great Falls are the Black Eagle, Rainbow, Ryan, and Morony power dams which create lakes that provide excellent boating and fishing. The income which can be directly attributed to hunting, fishing and recreation in this area is estimated to be over \$2, 000, 000 per year.

Hydroelectric Power

Seven power sites have been developed in the canyons and narrow valleys of the Missouri River for the production of electric energy which is distributed over central Montana. The new Canyon Ferry Dam and power plant now under construction by the Bureau of Reclamation on the southern border of the area is the first of the series, being the upstream storage dam to assure flows to the

lower power plants. Lakes Helena and Hauser are created by the Hauser Dam, and Holter Dam forms Holter Lake near Wolf Creek. Near Great Falls, there are the Rainbow, Black Eagle, Ryan, and Morony dams and hydroelectric plants. In this area the Missouri River has cut a deep canyon through the shales, clay and sandstone.

The new Canyon Ferry power plant will have an installed capacity of 50,000 kilowatts and will produce about 285.1 million kilowatt hours of electrical energy annually. This unit is scheduled to be completed in 1953. The six hydroelectric plants of the Montana Power Company within the area have an installed capacity of 201,700 kilowatts and produced 1,551.5 million kilowatt hours of electricity in 1950. Much of this power is utilized in the electrolytic metal treating plants at Great Falls. Total hydroelectric plant installed capacity in the area will be 251,700 kilowatts when Canyon Ferry power plant is completed. Annual production from the seven plants would be approximately 1,836.6 million kilowatt hours.

Irrigation Development

Hay and grain are the principal crops grown on irrigated land. On much of the irrigated area in the region, the amount of irrigation water used varies considerably from year to year. In favorable years a large acreage of grain is raised on irrigable land without using irrigation water. Irrigable lands in the area include 188,350 acres. The largest development in the area is the Sun River Project which was developed by the Bureau of Reclamation. An irrigable area of 97,248 acres has been developed on this project. The project has two principal divisions, the Fort Shaw Division of 13,902 acres and the Greenfield Division of 83,346 acres. Water is stored in the Gibson Reservoir on the North Fork of the Sun River. Additional storage is provided by Pishkum Reservoir.

The Bureau of Reclamation proposes to develop eight units in the area to provide water for 115,750 acres of new land and a supplementary water supply for 18,500 acres. Four reservoirs are proposed for irrigation water storage with a total capacity of 182,600 acre feet of storage. One project will pump water from the reservoir created by Canyon Ferry Dam, which is a multiple purpose development with a storage capacity of 2,051,000 acre feet. Names and details of the proposed units are presented in table 2.

Table 2. - Proposed Irrigation Units in the Sun River-Teton Area, Montana, 1952 1/

Name of Unit	Type	Area of Proposed Irrigation (acres)	Area of Supplementary Water Supply (acres)	Reservoir Name	Reservoir Storage (acre feet)
Newlan	gravity	3,900		Newlan	10,000
Helena Valley	pump	15,800	10,800	Canyon Ferry	2,051,000 2/
Rock Creek	gravity	1,000	200	Wells	2,600
Chestnut Valley	pump	6,000	4,000		
Ulm	pump	4,300			
Great Falls	pump	14,400			
Sun Extension	gravity	32,700		Sun Butte 3/	
Teton Slope	gravity	37,650	3,500	Sun Butte	160,000
Total		115,750	18,500		2,223,600

1/ From Senate Document No. 191 Missouri River Basin, April 1944, supplemented with data from Region 6, Bureau of Reclamation.

2/ Constructed for stream flow regulation for power, irrigation, and flood control.

3/ Sun Butte or Pishkum Reservoir will be used. Use of Pishkum Reservoir will include a new diversion from Deep Creek with a canal.

LANDOWNERSHIP

The Sun River-Teton area includes 7,146,501 acres. It is located in Teton, Lewis and Clark, Cascade, Chouteau, Meagher, Judith Basin, Jefferson, and Broadwater Counties, Montana. Two and seven-tenths percent of the gross area is administered by the Bureau of Land Management; 00.1 percent by the Bureau of Reclamation; 18.7 percent by the United States Forest Service; 5.3 percent by the State of Montana; .2 percent miscellaneous including the Veterans Administration at Fort Harrison; 73.0 percent is privately owned. Types of landownership and their distribution and location within the three subareas are shown on the map and map supplement with this report. A summary of landownerships by acres within the three subareas is presented in the following tabulation:

Subarea	Public Domain	Withdrawals		Veterans Bureau Ft. Harrison	National Forests
		Reclamation	Power Site		
Sun River	46,655	10,601	--	--	384,474
Marysville	112,112	--	1,133	1,000	333,576
Disposal	36,079	1,240	2,191	--	619,952
Total	194,846	11,841	3,324	1,000	1,338,002
Percent	2.72	00.16	00.05	00.01	18.73

Subarea	Misc.	State of Montana	Privately Owned Lands	Total
Sun River	6,292	68,555	500,590	1,017,167
Marysville	--	63,509	686,122	1,197,452
Disposal	12,235	246,357	4,013,828	4,931,882
Total	18,527	378,421	5,200,540	7,146,501
Percent	.26	5.29	72.78	100.00

These data for public domain lands were compiled from the original classification reports of individual tracts of public domain lands in the Sun River-Teton area. These reports are on file in the Region III Office of the Bureau of Land Management, Billings, Montana. The entry of 6,291 acres of miscellaneous ownership for the Sun River subarea includes 4,145 acres of winter elk range withdrawal for the State of Montana, and 2,147 acres of reservoir rights-of-way for the Bynum and Harvey Reservoirs. The 12,235 acres entered in the miscellaneous column for the disposal area is the Benton Lake National Wildlife Refuge.

LAND MANAGEMENT PROGRAMS

Bureau of Land Management

Within the study area there are 194,846 acres of public domain having a total grazing capacity of approximately 29,000 animal unit months, or an average of 6.7 acres per animal unit month. There are 17,345 acres of public domain within the boundary of Montana Grazing District No. 5, which is licensed for grazing to qualified operators. The 177,500 acres outside of the grazing district are within the areas of responsibility of Montana areas 1, 5, and 6. Practically all of these lands are under grazing lease under Section 15 of the Taylor Act. Livestock owners and operators owning or controlling adjacent privately owned lands are given preference rights in leasing these lands. The leases generally run for a period of ten years but may be for a shorter period.

The public domain lands in the area have been well managed in the past. They are generally a part of the ranch operations and are used in the same general manner as the adjacent private lands. There are practically no trespass horses left in the area; therefore, the operators are able to manage their lands in accordance with the best practices. The area is probably understocked now and has been for the past several years due to conditions being exceptionally favorable for the production of large quantities of forage.

There is a large population of deer and elk in the area, but at present there is ample forage in the forest and the rough mountain areas to take care of these without any interference with the livestock operations. This condition will probably prevail because of the areas of inaccessible lands that can be used only by game, most of which is controlled by the Forest Service.

The Land Office at Great Falls served the area from 1902 until it was consolidated with the Billings Land Office to become the Montana Land Office in 1949. A Public Survey Office was maintained at Helena from 1867 until 1949. This office was originally known as the Surveyor General's Office, the name being changed in 1925. A Land Office was maintained at Helena from 1908 until 1925.

National Forests

Parts of the Lewis and Clark, Helena, and the Jefferson Division of the Lewis and Clark National Forests are in this area. They comprise 1,338,002 acres, or 18.7 percent of the total area. Part of these forest lands are along the Continental Divide at the head of the Sun, Teton, and Dearborn Rivers and adjacent to the Pentagon Primitive area on the Flathead National Forest. These areas are very rough and steep and are mainly valuable for watershed protection and game conservation. Very few stock are grazed in this area. The Sun River Primitive area and the Sun River Game Preserve are located in this area between the Continental Divide and the east forest boundary in Lewis and Clark and Teton Counties. The Jefferson National Forest in the Belt Mountains and around Square Butte is lower and more open; most of the area in this forest is accessible to livestock, and is utilized to its conservation capacity for livestock grazing, with due consideration being made for the needs of game and watershed protection.

Bureau of Reclamation

The Bureau of Reclamation has developed and settled the 97,248 acre Sun River Irrigation Project. Administration of this project has been turned over to the water users. Nearly all of the Reclamation withdrawal land in the study area is utilized for the three reservoirs serving this project. Willow Creek reservoir covers 3,880 acres of Reclamation withdrawal land in northern Lewis and Clark County. Greenfield and Pishkum Lakes utilize 2,517 acres of Reclamation withdrawal land in southern Teton County, as shown on the map appended to this report. Reclamation withdrawal lands within the area total 11,841 acres. Canyon Ferry Dam and power plant are under construction by the Bureau of Reclamation. Eight new irrigation units are proposed to supply water to 134,250 acres as presented in the Irrigation Development section of this report. One power plant and dam is authorized and scheduled for construction and 11 additional sites have been proposed. The Bureau of Reclamation operates a 161 kilovolt transmission line from Fort Peck to Great Falls known as the Fort Peck-Rainbow line. They will also operate the Canyon Ferry-East Helena 115 kv line now under contract for construction. A district office of the Bureau of Reclamation is located at Great Falls.

National Wildlife Refuges

There are three National Wildlife Refuges units in this area under the administration of the Fish and Wildlife Service of the Department of the Interior. The Benton Lake Bird Refuge of 12,235 acres is located in Cascade and Chouteau Counties, ten miles north of Great Falls, Montana. There is no public domain land involved in this refuge. This refuge occupies lands withdrawn under executive order. Willow Creek Bird Reservation, 3,119 acres, is located on the Willow Creek storage reservoir in Teton County. This land is also under First Form reclamation withdrawal. There are some small tracts of public domain lands adjacent to this reservation. The Pishkum Bird Reservation of 3,155 acres is on the Pishkum storage reservoir in Teton County, and there are some small tracts of public domain adjacent to it. This refuge is also under First Form reclamation withdrawal.

State Bird and Game Refuges

There are nine state bird and game refuges in this area as shown on the map with this report. The names and locations of the State refuges are as follows:

<u>Name</u>	<u>Location</u>
Augusta	Lewis and Clark County
Black Leaf	Teton County
Great Falls	Cascade County
Green Meadows	Lewis and Clark County
Highwood	Chouteau County
State Nursery	Lewis and Clark County
Sun River Winter Elk Range	Lewis & Clark & Teton Counties
Teton Springs Creek	Teton County
Twin Buttes	Lewis and Clark County

Within the Sun River Winter Elk Range, 4,145 acres of public domain were withdrawn in 1951 for the State of Montana. There are 1,360 acres of public domain within the Black Leaf Bird and Game Refuge. No public domain is within any of the other State bird and game refuges. There is one large State fish hatchery in the area which is located at the Big Springs, Great Falls, Montana.

Soil Conservation Districts

Soil Conservation Districts cover the entire area except Meagher County, and within their boundary is 184,283 acres of public domain, 3,324 acres of power site withdrawals, and 10,640 acres of reclamation withdrawal lands under the administration of the Bureau of Land Management. Technical advice is furnished by the Soil Conservation Service to cooperating ranchers and farmers on all phases of range, soil, and farm conservation. Many of the users of Taylor grazing lands cooperate with the Soil Conservation Service in its program. The State law under which these districts operate provide for cooperation with all Federal and State agencies concerning conservation of natural resources.

Production and Marketing Administration

This service of the Department of Agriculture is organized on a State and County basis throughout the entire area to assist the farmers and ranchers to maintain and improve the soil and water resource on private and state lands, and, in some cases, on lands which are partly or temporarily owned by the Federal Government. This program is administered by locally elected farmers and ranchers and has the benefit of the experience and knowledge of the operators who are intimately acquainted with the area and the problems which confront the stockmen and farmers. Payments are made by the Federal Government to cooperators for carrying out approved soil and water conservation practices. This soil conservation program is not applicable to public domain lands under the Bureau of Land Management.

PUBLIC DOMAIN LANDS
CLASSIFICATION, PROBLEMS, MANAGEMENT

Public domain lands in the area have been grouped in the three subareas as shown on the map accompanying this report. The concentration of public domain lands in the northwestern portion of the area adjacent to the Lewis and Clark National Forest is designated as the Sun River subarea. The public lands in the vicinity of the Helena National Forest in the southwestern part are within the Marysville subarea. The location of public domain lands within Montana Grazing District No. 5 in this subarea is shown on the map supplement with this report. In the balance of the area, public domain lands occur as scattered tracts. This eastern portion of the area is designated as the Disposal subarea.

Each tract of public domain land in the area has been classified. A detailed report of the examination and classification of each tract has been prepared and is on file at the Regional Office of the Bureau of Land Management in Billings, Montana. Data from these reports has been tabulated for each of the three subareas and these three summary tables are included in this report. The lands are grouped by counties within each of the three subareas. The location, legal description and classification of each tract within the Sun River subarea is shown in table 3. Those in the Marysville subarea are exhibited in table 4 and public domain lands within the Disposal subarea are listed in table 5. A brief description of each subarea, the landownership within each, and the amount of public domain lands therein is presented in the following pages. Problems concerning public domain lands are considered.

Land use capability of public domain land within the Sun River-Teton area has been summarized by subareas. This information, prepared from the individual classification reports of each tract of public domain land in the area, is given in the following tabulation:

Subarea	Area Acres	Capability Classes (Acres)				Grazing Capacity AUM 1/
		V	VI	VII	VIII	
Sun River	46,655	1,642	16,588	14,759	13,666	8,044
Marysville	112,112	80	10,770	94,726	6,536	14,609
Disposal	36,079	--	9,053	24,709	2,317	6,290
Total	194,846	1,722	36,411	134,194	22,519	28,943
Percent	100	1	19	69	11	

1/ Animal unit months. Land use capability classes are defined in table 6.

Land use capability classification and grazing capacity of public domain land has also been compiled by counties for the Sun River-Teton area. This summarization of classification is as follows;

County	Area of Public Domain	Land Use Capability Class (Acres)				Grazing Capacity AUM 1/
		V	VI	VII	VIII	
Broadwater	40	--	30	10	--	8
Cascade	29,319	80	8,084	17,686	3,469	3,437
Chouteau	10,096	--	1,470	8,351	275	1,720
Jefferson	17,306	--	2,964	11,218	3,124	2,463
Judith Basin	1,730	--	--	1,660	70	194
Lewis & Clark	87,631	--	8,667	76,397	2,567	12,486
Meagher	10,563	--	2,419	8,127	17	2,034
Teton	38,161	1,642	12,777	10,745	12,997	6,601
Total	194,846	1,722	36,411	134,194	22,519	28,943
Percent	100	1	19	69	11	

This data has been compiled from individual classification reports, form 4-1090, of each tract of public domain in the area. These reports are on file at the Region III Office of the Bureau of Land Management, Billings, Montana. The State of Montana is considering public domain lands in this area for acquisition in exchange for state-owned lands within Glacier National Park.

SUN RIVER SUBAREA

Sun River subarea is located in Teton and Lewis and Clark Counties and includes the headwater drainage of Muddy Creek, the Teton River, Willow Creek, Deep Creek, Sun River, Ford Creek, Smith Creek, Elk Creek, and the Dearborn River, all of which flow to the east from the Continental Divide. The major part of the mountains in this area are in the Lewis and Clark National Forest. This subarea comprises a total area of 1,017,167 acres of which 46,655 acres, or 4.6 percent, are unreserved public domain; 10,601 acres, or 1 percent, are reclamation withdrawal; 4,145 acres, or .4 percent, State elk range withdrawal; 2,147 acres, or .2 percent, Bynum-Harvey reservoir right-of-way; 68,555 acres, or 6.8 percent, State of Montana; 384,474 acres, or 37.8 percent, National Forest reserves; and 500,590 acres, or 49.2 percent, privately-owned lands.

The public domain lands are located east of the mountain front, occupying the rough grazing lands between the National Forest and the plains farm lands. Boundaries of the area and distribution of the public domain lands are shown on the map with this report. A summarized analysis of the description, area, and classification of each tract of public domain land in the subarea is presented in table 3. The public domain lands are classified as follows: 1,642 acres, or 4 percent, capability class V; 16,588 acres, or 36 percent, class VI; 14,759 acres, or 33 percent, class VII; and 13,666 acres, or 27 percent, class VIII. An explanation of land use capability classes is presented in table 6. There is a total of 8,044 animal unit months of available livestock forage on the public domain lands, or an average of 5.8 acres per animal unit month. Nearly six acres of public land would be required to provide sufficient forage for a cow for one month.

Public Domain Lands Adjacent to the National Forest

Most of the public domain lands are located east of the mountain front within three miles of the National Forest in this subarea and have been considered as a group. They are primarily suitable for game range and watershed. Nearly half of these lands, 47 percent, is covered with a woodland type stand of coniferous trees and brush. This timber is non-commercial and consists of thin stands of small and scrubby lodgepole pine, limber pine and common Douglas fir. This type affords virtually no grazing except for game use. One fourth, 24 percent, is

barren rock ridges with no grazing value. One fourth, or 26 per cent, of the area furnishes a limited amount of feed in the form of an understory cover beneath a timber stand of the three conifers typical in the area. Only three percent of the subarea is classed as grass type. Nearly three-fourths of the area is in capability class VIII, being suitable only for wildlife, watershed and recreation. The summary of the classification of the public domain lands located adjacent to the National Forest in the Sun River sub-area is as follows:

Twp.	Rge.	Total Acres	Capability Class		Grass	Timber Grass	Waste Brush Timber	Barren	AUM
			VII	VIII					
18N.	7 W.	2,275	2,275	---	---	880	935	460	92
19N.	8 W.	322	322	---	---	---	322	---	--
19N.	7 W.	403	125	278	95	85	125	98	22
20N.	8 W.	951	561	390	---	---	561	390	20
22N.	8 W.	1,507	1,507	---	230	486	791	---	179
23N.	8 W.	4,283	---	4,283	---	952	2,140	1,191	301
24N.	8 W.	1,631	---	1,631	---	235	760	636	70
25N.	8 W.	4,615	---	4,615	145	1,430	1,960	1,080	287
26N.	8 W.	1,066	38	1,028	90	330	490	156	68
Total		17,053	4,828	12,225	560	4,398	8,084	4,011	1,039
Percent		100	28	72	3	26	47	24	

The carrying capacity of these lands is 16 acres per animal unit month. (17,053 acres ÷ 1039 a.u. ms.)

In view of the classification and location of these lands, it is recommended that they be exchanged for Forest Service grazing lands located in an area where public domain lands predominate in ownership. In this vicinity there are 4,145 acres of winter elk range which were withdrawn from the public domain lands in township 21 North, Range 8 West, adjoining the National Forest. The withdrawal was a cooperative arrangement with the Fish and Wildlife Service under the 1946 Act. The area is administered by the Fish and Game Department of the State of Montana.

Other Public Domain Lands in the Sun River Subarea

In sections 25, 26, 27, 34 and 35, township 23 North, range 4 West, and sections 2 and 3, township 22 North, range 4 West, there is a block of public domain land which contains 2,115 acres. This tract has a carrying capacity of 482 animal unit months of forage which is an average of 4.3 acres per animal unit month. This area

lies near Greenfield Lake and is marshy and poorly drained. The vegetative cover is grass, sedges, rush and weeds. It is generally too marshy for spring grazing but affords excellent pasture late in the summer, fall, and winter. This tract is suitable only for grazing, is in capability class VI and VII and is in very good condition. This tract at present is under grazing lease to one operator. Small irrigated farms utilize the area near Greenfield Lake. There is a desperate need for grazing lands to accommodate small numbers of cattle from these farms during the planting, growing and harvesting periods. This tract should be used as a community pasture under local administration. This tract should remain in Federal or State ownership and be administered as a cooperative grazing unit for the local isolated farm operators.

The remaining 148 tracts containing 27,487 acres are isolated from other public domain lands and have no timber, minerals, farm lands or improvements on them. There is no apparent need for these tracts to remain in their present status and it is recommended that they be offered for exchange or sale. The disposal of these tracts will be in the best public interest and will not adversely effect the local economy. The description, location and classification of each tract of public domain in the Sun River subarea is given in table 3.

Reclamation Withdrawal Lands and Reservoir Rights-of-Way

Existing and proposed irrigation water storage reservoirs in this subarea occupy reclamation withdrawal lands or reservoir rights-of-way. Reclamation withdrawal lands in the subarea include 10,601 acres, being principally Greenfield, Willow Creek and Pishkum Lakes. Bynum Reservoir is a right-of-way use of public domain lands. Greenfield Lake, located in township 22 North, range 4 West, comprises 2,397 acres of reclamation withdrawal lands. Willow Creek reservoir in township 21 North, range 7 West, includes 4,058 acres of reclamation withdrawal. Pishkum reservoir in township 22 North, range 7 West, covers 3,706 acres of reclamation withdrawal lands. The Bynum reservoir right-of-way is 2,147 acres in extent being located in township 26 North, range 6 West. A storage site in a natural depression, 440 acres in extent, has been withdrawn for reclamation purposes in township 21 North, range 7 West.

Table 3.- Description, Area and Classification of Public Domain by Counties within the Sun River Subareas, of the Sun River-Teton Area, Montana, 1952 -Continued

Montana Principal Meridian		Subdivision	Acres	General Land Character	Present Land Use	Land Use Capability & Condition	Suitability	Proposed Management	Range Type	Stocking Rate ADMS	
Twp. North	Rgs. West										Sec.
Lewis and Clark County											
21	7	22	360.00	Roughly rolling	1	VI E	1	Private	1	113	
		27	80.00	Roughly rolling	1	VI E	1	Private	1	23	
		28	40.00	Roughly rolling	1	VI E	1	Private	1	12	
		35	120.00	Roughly rolling	1	VI E	1	Private	1	40	
		34	40.00	Steeply rolling	1	VI E	1	Private	1	8	
	22	7	19	614.76	Gently rolling	1-2	VII VG	1-2	Federal	1	105
			20	160.00	Gently rolling	1-2	VII VG	1-2	Federal	1	51
			29	200.00	Gently rolling	1	VI VG	1	Federal	1	62
			30	400.00	Gently rolling	1-2	VI VG	1-2	Federal	1	82
			31	80.00	Gently rolling	1-2	VI VG	1-2	Federal	1	17
8	33	33	40.00	Gently rolling	1-2	VI VG	1-2	Federal	1	8	
		32	80.00	Gently rolling	1-2	VI VG	1-2	Federal	1	17	
		33	80.00	Gently rolling	1-2	VI VG	1-2	Federal	1	17	
		25	400.00	Gently rolling	1-2	VI G	1-2	Federal	1	111	
		26	280.00	Gently to steeply rolling	1	VI G	1-2	Federal	1	78	
	27	8	27	40.00	Gently to steeply rolling	1	VI G	1-2	Federal	1	11
			28	40.00	Gently to steeply rolling	1	VI G	1-2	Federal	1	12
			31	118.10	Gently to steeply rolling	1	VII VG	1-2	Federal	1-6-7	19
			32	120.00	Gently to steeply rolling	1	VI VG	1-2	Federal	1	35
			33	440.00	Gently to steeply rolling	1	VI VG	1-2	Federal	1	142
Teton County											
21	6	4	40.00	Gently sloping to rolling	1	VI G	1	Federal	1	10	
		5	322.02	Gently sloping to rolling	1	V G	1	Federal	1	81	
		7	40.00	Gently sloping to rolling	1	VI G	1	Private	1	8	
		8	200.00	Gently sloping to rolling	1	V G	1	Federal	1	50	

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Table 3.- Description, Area and Classification of Public Domain by Counties within the Sun River Subarea, of the Sun River-Teton Area, Montana, 1952 -Continued

Montana Principal Meridian	Twp. North	Rge. West	Sec. Sec.	Subdivision	Acres	General Land Character	Present Land Use	Land Use Capability & Condition	Suitability	Proposed Management	Range Type	Stocking Rate AUMS
Teton County												
21	6		9	N $\frac{1}{2}$ NE $\frac{1}{4}$, NW $\frac{1}{4}$ NE $\frac{1}{4}$	120.00	Gently sloping to gently rolling	1	V, VII VG	1	Federal	1	31
			20	NW $\frac{1}{4}$ NE $\frac{1}{4}$	40.00	Gently sloping to gently rolling	1	VI VG	1	Private	1	8
			21	E $\frac{1}{2}$ NW $\frac{1}{4}$, NW $\frac{1}{4}$ NE $\frac{1}{4}$, SE $\frac{1}{4}$ SW $\frac{1}{4}$	160.00	Gently sloping to gently rolling	1	VI E	1	Private	1	35
			22	S $\frac{1}{2}$ SW $\frac{1}{4}$	80.00	Gently sloping to gently rolling	1	VI G	1	Private	1	19
			26	NE $\frac{1}{4}$ NE $\frac{1}{4}$	40.00	Gently sloping to gently rolling	1	VI G	1	Private	1	9
	4		2	W $\frac{1}{2}$, S $\frac{1}{2}$ SE $\frac{1}{4}$	397.65	Flat to undulating	1-2	VI G	1-2	Private	1	140
			3	NE $\frac{1}{4}$	157.35	Gently sloping to gently rolling	1-2	VI G	1-2	Federal	1	70
			14	SW $\frac{1}{4}$ SE $\frac{1}{4}$	40.00	Gently sloping to gently rolling	1	VI G	1	Private	1	8
			17	EW $\frac{1}{4}$	160.00	Gently sloping to gently rolling	1	V G	1	Private	1	35
			18	NE $\frac{1}{4}$	160.00	Gently sloping to gently rolling	1	V G	1	Private	1	35
			23	N $\frac{1}{2}$ NE $\frac{1}{4}$	80.00	Gently sloping to gently rolling	1	VI G	1	Private	1	25
			24	W $\frac{1}{2}$ NW $\frac{1}{4}$	80.00	Gently sloping to gently rolling	1	VI G	1	Private	1	21
	5		4	Lot 4	39.64	Gently sloping to gently rolling	1	VI G	1	Private	1	7
			5	Lot 3, SE $\frac{1}{4}$ NE $\frac{1}{4}$	79.49	Gently sloping to gently rolling	1	VII VG	1	Private	1	16
			7	SW $\frac{1}{4}$ SE $\frac{1}{4}$	40.00	Gently sloping to gently rolling	1	VI G	1	Private	1	7
			8	NE $\frac{1}{4}$ SW $\frac{1}{4}$	40.00	Gently sloping to gently rolling	1	VII VG	1	Private	1	8
	6		6	Lots 4,6,7	93.20	Gently sloping to gently rolling	1	VI VG	1	Private	1	20
			8	NW $\frac{1}{4}$ NE $\frac{1}{4}$	40.00	rolling	1	VI G	1	Private	1	6
			15	NE $\frac{1}{4}$ SW $\frac{1}{4}$	40.00	Steeply rolling	1	VII G	1	Private	1	6
			30	Lots 3,4	71.64	Steeply rolling	1-2	VII G	1-2	Private	1	6
						Steeply rolling		VI G		Federal	1	14

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Table 3.- Description, Area and Classification of Public Domain by Counties within the Sun River Subarea, of the Sun River-Teton Area, Montana, 1952 -Continued

Montana Principal Meridian		County	Subdivision	Acres	General Land Character	Present Land Use	Land Use Capability & Condition	Suitability	Proposed Management	Range Type	Stocking Rate AUMS
Twp. North	Rge. West										
22	6	31	E $\frac{1}{2}$ NW $\frac{1}{4}$, S $\frac{1}{2}$ NE $\frac{1}{4}$, SE $\frac{1}{4}$ SW $\frac{1}{4}$, W $\frac{1}{2}$ SE $\frac{1}{4}$	320.00	Steeply rolling	1-2	V G	1-2	Federal	1	75
	7	32	SE $\frac{1}{4}$ SE $\frac{1}{4}$	240.00	Steeply rolling	1-2	V G	1-2	Federal	1	65
		8	SW $\frac{1}{4}$ SW $\frac{1}{4}$	40.00	Steeply rolling	1-2	VI G	1-2	Federal	1	8
		9	SW $\frac{1}{4}$ SW $\frac{1}{4}$	40.00	Steeply rolling	1-2	VI G	1-2	Federal	1	10
		13	NW $\frac{1}{4}$ NE $\frac{1}{4}$	40.00	Steeply rolling	1-2	VII G	1-2	Federal	1	7
		21	E $\frac{1}{2}$ NE $\frac{1}{4}$, W $\frac{1}{2}$ E $\frac{1}{2}$, E $\frac{1}{2}$ W $\frac{1}{2}$, NW $\frac{1}{4}$ SW $\frac{1}{4}$, W $\frac{1}{2}$ SW $\frac{1}{4}$	520.00	Steeply rolling	1-2	VI G	1-2	Federal	1	108
		27	NW $\frac{1}{4}$ SW $\frac{1}{4}$	40.00	Gently to steeply rolling	1	VI G	1-2	Federal	1	8
		34	NE $\frac{1}{4}$ NE $\frac{1}{4}$	40.00	Gently to steeply rolling	1	VI G	1-2	Federal	1	9
	8	1	SW $\frac{1}{4}$ NE $\frac{1}{4}$, SE $\frac{1}{4}$ NW $\frac{1}{4}$, SE $\frac{1}{4}$ E $\frac{1}{2}$ SW $\frac{1}{4}$, SW $\frac{1}{4}$ SW $\frac{1}{4}$	360.00	Gently to steeply rolling	1	VI VG	1	Private	1	92
		2	Lot 2	73.45	Gently to steeply rolling	1	VI VG	1	Private	1	18
		3	SE $\frac{1}{4}$ NW $\frac{1}{4}$	40.00	Gently to steeply rolling	1	VI VG	1	Private	1	10
		4	SE $\frac{1}{4}$ NW $\frac{1}{4}$, NE $\frac{1}{4}$ SW $\frac{1}{4}$	80.00	Gently to steeply rolling	1	VII VG	1	Private	1	15
		5	Lot 1, SE $\frac{1}{4}$ NE $\frac{1}{4}$	76.04	Gently to steeply rolling	1	VII VG	1	Private	1	16
		6	Lots 4, 5, 6, 7, E $\frac{1}{2}$ W $\frac{1}{2}$, W $\frac{1}{2}$ E $\frac{1}{2}$	428.43	Rough, mountainous, steep	1-2-3-6	VII VG	1-2-3-6	Federal	1-6-7	61
		7	Lots 1, 2, 3, 4, E $\frac{1}{2}$ W $\frac{1}{2}$, W $\frac{1}{2}$ E $\frac{1}{2}$, W $\frac{1}{2}$ NE $\frac{1}{4}$	382.70	Rough, mountainous, steep	1-2-3-6	VII VG	2-3-6	Federal	1-6-7	58
		9	SE $\frac{1}{4}$ SE $\frac{1}{4}$	40.00	Gently to steeply rolling	1	VII G	1	Private	1	6
	13		SE $\frac{1}{4}$ NE $\frac{1}{4}$, E $\frac{1}{2}$ SE $\frac{1}{4}$, NW $\frac{1}{4}$	200.00	Gently to steeply rolling	1	VI G	1	Federal	1	66
		14	SE $\frac{1}{4}$	160.00	Gently to steeply rolling	1	VI G	1	Federal	1	56
		18	W $\frac{1}{2}$	305.20	Gently to steeply rolling	1-2-3	VII E	2-3-6	Federal	1-6-7	46
		19	Lot 1	36.39	Rough, mountainous, steep	1-2-3	VII E	2-3-6	Federal	1-6-7	6
		20	SW $\frac{1}{4}$ SW $\frac{1}{4}$	40.00	Steeply rolling	1-2-3	VII E	1-2-3	Federal	1	6
		23	E $\frac{1}{2}$, NE $\frac{1}{4}$ SW $\frac{1}{4}$	360.00	Steeply rolling	1-2	VI VG	1-2	Federal	1	104
		24	W $\frac{1}{2}$, NE $\frac{1}{4}$ NE $\frac{1}{4}$, NE $\frac{1}{4}$ SE $\frac{1}{4}$, S $\frac{1}{2}$ SE $\frac{1}{4}$	480.00	Steeply rolling	1-2	VI VG	1-2	Federal	1	116
		25	N $\frac{1}{2}$ NW $\frac{1}{4}$	80.00	Steeply rolling	1-2	VI VG	1-2	Federal	1	24
		26	N $\frac{1}{2}$ NE $\frac{1}{4}$	80.00	Steeply rolling	1-2	VI G	1-2	Federal	1	24
		28	N $\frac{1}{2}$ SW $\frac{1}{4}$	80.00	Steeply rolling	1-2	VI G	1-2	Federal	1	72
		29	SW $\frac{1}{4}$ SE $\frac{1}{4}$	40.00	Steeply rolling	1-2	VI G	1-2	Federal	1	6
		30	N $\frac{1}{2}$ NE $\frac{1}{4}$, SW $\frac{1}{4}$ NE $\frac{1}{4}$	196.46	Steeply rolling	1-2	VII E	1-2-3	Federal	1-6-7	63
23	4	9	SE $\frac{1}{4}$ SE $\frac{1}{4}$	40.00	Flat to gently rolling	1	VII G	1	Federal	1	9
		10	W $\frac{1}{2}$ SW $\frac{1}{4}$, SE $\frac{1}{4}$ SW $\frac{1}{4}$	120.00	Flat to gently rolling	1	VI G	1-2	Federal	1	23

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Table 3.- Description, Area and Classification of Public Domain by Counties within the Sun River Subarea, of the Sun River-Teton Area, Montana, 1952 -Continued

Montana Principal Meridian		Subdivision	Acres	General Land Character	Present Land Use	Land Use Capability & Condition	Suit-ability	Proposed Management	Range Type	Stocking Rate AUMS
Twp. North	Rge. West									
Teton County										
23	4	NW $\frac{1}{4}$	160.00	Flat to gently rolling	1	VI G	1-2	Federal	1	31
		SE $\frac{1}{4}$ SW $\frac{1}{4}$	40.00	Flat to gently rolling	1	VI G	1-2	Private	1	6
		NW $\frac{1}{4}$ SW $\frac{1}{4}$	40.00	Flat to gently rolling	1	VII G	1-2	Federal	1	6
		S $\frac{1}{2}$, SE $\frac{1}{4}$ SW $\frac{1}{4}$, SW $\frac{1}{4}$ NE $\frac{1}{4}$, SW $\frac{1}{4}$ NE $\frac{1}{4}$	480.00	Flat to gently rolling	1	VII G	1-2	Federal	1	96
		SE $\frac{1}{4}$, S $\frac{1}{2}$ NE $\frac{1}{4}$, SW $\frac{1}{4}$ NE $\frac{1}{4}$	240.00	Flat to gently rolling	1	VII G	1-2	Federal	1	51
		SW $\frac{1}{4}$ NE $\frac{1}{4}$	40.00	Flat to gently rolling	1	V G	1-2	Private	1	6
		E $\frac{1}{2}$	320.00	Flat to gently rolling	1	VII G	1-2	Federal	1	60
		N $\frac{1}{2}$, SW $\frac{1}{4}$	480.00	Flat to gently rolling	1	VII G	1-2	Federal	1	59
		SW $\frac{1}{4}$ NE $\frac{1}{4}$	40.00	hummocky	1	VI VG	1	Private	1	10
		S $\frac{1}{2}$ NE $\frac{1}{4}$, SE $\frac{1}{4}$ NE $\frac{1}{4}$	120.00	Gently rolling	1	VI VG	1	Private	1	37
5	10	SW $\frac{1}{4}$ SE $\frac{1}{4}$	40.00	Steeply rolling	1	VI VG	1	Private	1	9
		SW $\frac{1}{4}$ SE $\frac{1}{4}$	40.00	Steeply rolling	1	VI VG	1	Private	1	9
		NW $\frac{1}{4}$ SW $\frac{1}{4}$	40.00	Steeply rolling	1	VII G	1	Private	1	9
		NW $\frac{1}{4}$ SW $\frac{1}{4}$	40.00	Steeply rolling	1	VII G	1	Private	1	9
		SE $\frac{1}{4}$ SW $\frac{1}{4}$, SE $\frac{1}{4}$ NE $\frac{1}{4}$, NE $\frac{1}{4}$ SE $\frac{1}{4}$	40.00	Steeply rolling	1	VII G	1	Private	1	12
		NE $\frac{1}{4}$ SE $\frac{1}{4}$	40.00	Gently rolling	1	VI G	1	Private	1	38
		W $\frac{1}{2}$, SE $\frac{1}{4}$ NE $\frac{1}{4}$, SE $\frac{1}{4}$ NE $\frac{1}{4}$	160.00	Gently rolling	1	VI, VII G	1	Private	1	69
		SE $\frac{1}{4}$ SE $\frac{1}{4}$	240.00	Steeply rolling	1	VI, VII G	1	Private	1	28
		S $\frac{1}{2}$ SW $\frac{1}{4}$, NE $\frac{1}{4}$ SW $\frac{1}{4}$	120.00	Gently rolling, hummocky	1	VI, VII G	1	Private	1	12
		NE $\frac{1}{4}$ SW $\frac{1}{4}$	40.00	Gently to steeply rolling	1	VI G	1	Private	1	10
6	1	SW $\frac{1}{4}$ SW $\frac{1}{4}$	40.00	Gently to steeply rolling	1	VI G	1	Private	1	12
		SW $\frac{1}{4}$ SW $\frac{1}{4}$	40.00	Gently to steeply rolling	1	VI G	1	Private	1	10
		NW $\frac{1}{4}$ SE $\frac{1}{4}$	29.90	Gently to steeply rolling	1	VII G	1	Federal	1	6
		Lot 4	40.00	Gently to steeply rolling	1	VIII G	1	Private	1	3
		SE $\frac{1}{4}$ NE $\frac{1}{4}$	40.00	Gently to steeply rolling	1	VIII G	1	Private	1	3
		NW $\frac{1}{4}$ NE $\frac{1}{4}$	40.00	Gently to steeply rolling	1	VIII G	1	Private	1	16
		NE $\frac{1}{4}$, NW $\frac{1}{4}$ SE $\frac{1}{4}$	200.00	Gently to steeply rolling	1	VIII G	1	Private	1	9
		NW $\frac{1}{4}$ SW $\frac{1}{4}$	40.00	Gently to steeply rolling	1	VI VG	1	Private	1	12
		SW $\frac{1}{4}$ SW $\frac{1}{4}$	40.00	Gently to steeply rolling	1	VI VG	1	Private	1	12
		SE $\frac{1}{4}$ NE $\frac{1}{4}$, E $\frac{1}{2}$ SW $\frac{1}{4}$	40.00	Gently to steeply rolling	1	VI VG	1	Private	1	6
7	7	SW $\frac{1}{4}$ SW $\frac{1}{4}$	200.00	Gently to steeply rolling	1	VI E	1	Private	1	58
		SW $\frac{1}{4}$ SW $\frac{1}{4}$	80.00	Gently to steeply rolling	1	VI E	1	Private	1	20
		S $\frac{1}{2}$ SE $\frac{1}{4}$	161.00	Gently to steeply rolling	1	VI G	1	Private	1	45
		Lots 3, 4, E $\frac{1}{2}$ SW $\frac{1}{4}$	160.00	Gently to steeply rolling	1	VI G	1	Private	1	51
		SE $\frac{1}{4}$								

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Table 3.- Description, Area and Classification of Public Domain by Counties within the Sun River Subarea, of the Sun River-Teton Area, Montana, 1952 -Continued

Montana Principal Meridian		Subdivision	Acres	General Land Character	Present Land Use	Land Use Capability & Condition	Suitability	Proposed Management	Range Type	Stocking Rate AUMS			
Twp. North	Rge. West										Sec.		
Teton County													
23	7	33											
			W $\frac{1}{2}$ NE $\frac{1}{4}$, E $\frac{1}{2}$ NW $\frac{1}{4}$, W $\frac{1}{2}$ SW $\frac{1}{4}$	240.00	Gently to steeply rolling	1	VI G	1	Private	1-6-7-8	71		
		8	1	Lots 3, 4, E $\frac{1}{2}$ NW $\frac{1}{4}$	152.90	Steeply rolling	1	VII E	1	Private	1-6-7-8	30	
			3	N $\frac{1}{2}$ SE $\frac{1}{4}$	80.00	Steeply rolling	1	VII G	1	Private	1-6-7-8	20	
			4	Lot 2	34.60	Steeply rolling	1	VII G	1	Private	1-6-7-8	6	
		6	5	Lots 3, 4, 5, 6, 7, 8, 9, 10	315.54	Rough, mountainous, steep	1-2-3	VIII VG	2-3	Federal	1-6-7-8	22	
			6	ALL	607.36	Rough, mountainous, steep	1-2-3	VIII VG	2-3	Federal	1-6-7-8	31	
			7	ALL	610.00	Rough, mountainous, steep	1-2-3	VIII VG	2-3	Federal	1-6-7-8	37	
			8	10	Lots 1, 2, 3, 4, 5, 6, 7, 8, 9, 10	312.67	Rough, mountainous, steep	1-2-3	VIII VG	2-3	Federal	1-6-7-8	22
					SW $\frac{1}{4}$, SE $\frac{1}{2}$ NW $\frac{1}{4}$, NW $\frac{1}{2}$ SE $\frac{1}{4}$	240.00	Steeply rolling to rough	1	VII G	1	Private	1-6-7-8	42
				NE $\frac{1}{2}$ SE $\frac{1}{4}$	40.00	Steeply rolling to rough	1	VII G	1	Private	1-6-7-8	7	
	11		13	13									
				NW $\frac{1}{2}$ NE $\frac{1}{4}$, NE $\frac{1}{2}$ NW $\frac{1}{4}$, SW $\frac{1}{2}$ NW $\frac{1}{4}$	120.00	Steeply rolling to rough	1	VII G	1	Private	1-6-7-8	25	
				NE $\frac{1}{2}$ SE $\frac{1}{4}$	40.00	Steeply rolling to rough	1	VII G	1	Private	1-6-7-8	9	
				N $\frac{1}{2}$ NW $\frac{1}{4}$	80.00	Steeply rolling to rough	1	VII G	1	Private	1-6-7-8	14	
		17			Lots 1, 2, 3, 4	159.41	Steeply rolling to rough	1	VIII G	1-2-3	Federal	1-6-7-8	17
					N $\frac{1}{2}$, NW $\frac{1}{2}$ SE $\frac{1}{4}$	345.03	Rough, mountainous, steep	2-3	VIII G	2-3-6	Federal	1-6-7-8	23
		19			ALL	609.56	Rough, mountainous, steep	1-2-3	VIII G	2-3-6	Federal	1-6-7-8	46
					Lots 1, 2, 3, 4, 5, 6, 7, 8, NE $\frac{1}{4}$, NW $\frac{1}{2}$ SE $\frac{1}{4}$	513.32	Rough, mountainous, steep	1-2-3	VIII G	2-3-6	Federal	1-6-7-8	40
		21		25	25								
					SE $\frac{1}{2}$ SE $\frac{1}{4}$	40.00	Steeply rolling to rough	1	VI G	1	Private	1-6-7-8	10
	S $\frac{1}{2}$ NW $\frac{1}{4}$, N $\frac{1}{2}$ SW $\frac{1}{4}$		160.00		Steeply rolling to rough	1	VI G	1	Private	1-6-7-8	49		
30			Lots 1, 2, 3, 4, N $\frac{1}{2}$ NE $\frac{1}{4}$, E $\frac{1}{2}$ W $\frac{1}{2}$		369.90	Rough, mountainous, steep	1-2-3	VIII G	1-2-3	Federal	1-6-7-8	28	
			Lots 1, 2, 3, 4, E $\frac{1}{2}$ W $\frac{1}{2}$, W $\frac{1}{2}$ SE $\frac{1}{4}$		439.97	Rough, mountainous, steep	1-2-3	VIII G	1-2-3	Federal	1-6-7-8	34	
6	15		15										
					NW $\frac{1}{2}$ NW $\frac{1}{4}$	40.00	Rough, mountainous, steep	1-2-3	VII G	1-2-3	Federal	1-6-7-8	6
					SE $\frac{1}{2}$ NW $\frac{1}{4}$	40.00	Rough, mountainous, steep	1-2-3	VII G	1-2-3	Federal	1-6-7-8	8
					S $\frac{1}{2}$ NE $\frac{1}{4}$	80.00	Steeply rolling to rough	1	VI VG	1	Private	1-6-7-8	32
19	20		20										
			Lots 2, 3, 4, NW $\frac{1}{2}$ NW $\frac{1}{4}$	108.12	Steeply rolling to rough	1	VI, VII VG	1	Private	1-6-7-8	12		
22	22	22											
			NW $\frac{1}{2}$ NW $\frac{1}{4}$	40.00	Steeply rolling to rough	1	VI, VII VG	1	Private	1-6-7-8	12		

-Continued

Table 3.- Description, Area and Classification of Public Domain by Counties within the Sun River Subarea, of the Sun River-Teton Area, Montana, 1952 -Continued

Montana Principal Meridian		Subdivision	Acres	General Land Character	Present Land Use	Land Use Capability & Condition	Suit-ability	Proposed Management	Range Type	Stocking Rate AUMS		
Twp. North	Rge. West										Sec.	
Teton County												
24	6	23	120.00	Steeply rolling to rough	1	VII G	1	Private	1	41		
		24	80.00	Steeply rolling to rough	1	VII G	1	Private	1	27		
		25	40.00	Steeply rolling to rough	1	VII G	1	Private	1	11		
		26	120.00	Steeply rolling to rough	1	VII G	1	Private	1	31		
		32	40.00	Steeply rolling to rough	1	VI G	1	Private	1	12		
		7	3	241.08	Steeply rolling to rough	1	VI, VII G	1	Private	1	65	
		4	4	441.88	Steeply rolling to rough	1	VI, VII G	1	Private	1	126	
		5	5	322.76	Steeply rolling to rough	1	VI, VII G	1	Private	1	93	
		7	7	40.00	Steeply rolling to rough	1	VII G	1	Private	1	6	
		8	8	80.00	Steeply rolling to rough	1	VII G	1	Private	1	12	
		13	13	40.00	Steeply rolling to rough	1	VI G	1	Private	1	10	
		17	17	120.00	Steeply rolling to rough	1-2	VIII G	1-2	Private	1	15	
		23	23	80.00	Steeply rolling to rough	1	VI G	1	Private	1	20	
		24	24	160.00	Steeply rolling to rough	1	VII G	1	Private	1	30	
		28	28	40.00	Steeply rolling to rough	1	VI G	1	Private	1	10	
		31	31	91.50	Steeply rolling to rough	1	VII G	1	Private	1	12	
		8	1	1	436.18	Steeply rolling to rough	1	VII G	1	Private	1	57
				2	311.08	Steeply rolling to rough	1	VII G	1	Private	1	39
				3	80.00	Steeply rolling to rough	1	VI G	1	Private	1	21
				5	36.14	Steeply rolling to rough	1	VII G	1	Private	1	6
				11	80.00	Steeply rolling to rough	1	VII G	1	Private	1	8
				12	120.00	Steeply rolling to rough	1	VII G	1	Private	1	18
				13	40.00	Steeply rolling to rough	1	VI G	1	Private	1	11
				14	40.00	Steeply rolling to rough	1	VI G	1	Private	1	10
				15	40.00	Steeply rolling to rough	1	VI G	1	Private	1	10
				18	228.88	Rough, mountainous, steep	1-2-3	VIII G	2-3	Federal	1-6-7	5
				19	468.72	Rough, mountainous, steep	1-2-3	VIII G	2-3	Federal	1-6-7	10
				30	175.02	Rough, mountainous, steep	1-2-3	VIII G	2-3	Federal	1-6-7	10
				31	598.29	Rough, mountainous, steep	1-2-3	VIII G	2-3	Federal	1-6-7-8	35

Table 3.- Description, Area and Classification of Public Domain by Counties within the Sun River Subarea, of the Sun River-Teton Area, Montana, 1952 -Continued

Montana Principal Meridian		Subdivision	Acres	General Land Character	Present Land Use	Land Use Capability & Condition	Suitability	Proposed Management	Range Type	Stocking Rate AUMS
Twp. North	Rge. West									
Teton County										
24	8	32	160.00	Rough, mountainous, steep	1-2-3	VIII C	2-3	Federal	1-6-7-8	10
25	6	3	40.00	Steeply to gently rolling	1	V VG	1	Private	1	6
		12	80.00	Steeply to gently rolling	1	V VG	1	Private	1	15
		20	120.00	Steeply to gently rolling	1	VI VG	1	Private	1	24
		21	40.00	Steeply to gently rolling	1	VI VG	1	Private	1	8
		26	80.00	Steeply to gently rolling	1	VII VG	1	Private	1	10
		29	160.00	Steeply to gently rolling	1	VI VG	1	Private	1	38
		30	119.63	Steeply to gently rolling	1	VII VG	1	Private	1	34
		31	80.00	Steeply to gently rolling	1	VII VG	1	Private	1	14
		32	40.00	Steeply to gently rolling	1	VI VG	1	Private	1	10
25	7	4	120.79	Steeply to gently rolling	1	VII VG	1	Private	1	32
		5	162.60	Steeply to gently rolling	1	VI VG	1	Private	1	35
		6	398.03	Steeply to gently rolling	1	VI VG	1	Private	1	82
		7	40.00	Steeply to gently rolling	1	VI VG	1	Private	1	11
		11	80.00	Steeply to gently rolling	1-7	VII, VIII VG	1-7	Private	1	4
		15	40.00	Steeply to gently rolling	1	VII VG	1	Private	1	8
		17	120.00	Steeply to gently rolling	1	VI VG	1	Private	1	36
		18	317.31	Steeply to gently rolling	1-2-3	VII VG	2-3	Federal	1	74
		19	397.37	Steeply to gently rolling	1-2-3	VII VG	2-3	Federal	1	78
		20	280.00	Steeply to gently rolling	1-2-3	VII VG	2-3	Federal	1	41
		21	40.00	Steeply to gently rolling	1-2-3	VII VG	2-3	Federal	1	6
		22	40.00	Steeply to gently rolling	1	VI VG	1	Private	1	8
		23	80.00	Steeply to gently rolling	1	VI VG	1	Private	1	18
		26	120.00	Steeply to gently rolling	1	VI, VII VG	1	Private	1	22
		27	120.00	Steeply to gently rolling	1	VI VG	1	Private	1	18
		28	240.00	Steeply to gently rolling	1	VI VG	1	Private	1	46
		29	320.00	Steeply to gently rolling	1-2-3	VII VG	1	Federal	1	66
		30	320.00	Steeply to gently rolling	1-2-3	VII VG	1	Federal	1	66
		1	85.79	Steeply to gently rolling	1	VI VG	1	Private	1	22
	8	2	292.17	Steeply to gently rolling	1	VI VG	1	Private	1	68

-Continued

Table 3.- Description, Area and Classification of Public Domain by Counties within the Sun River Subarea, of the Sun River-Teton Area, Montana, 1952 -Continued

Montana Principal Meridian		Subdivision	Acres	General Land Character	Present Land Use	Land Use Capability & Condition	Suitability	Proposed Management	Range Type	Stocking Rate ADMS
Twp. North	Rge. West									
Teton County										
25	8	3	160.00	Steeply to gently rolling	1	VI VG	1	Private	1	37
		4	80.00	Rough, mountainous, steep	1-2-3	VII, VIII VG	2-3	Federal	1-6	13
		5								
		6	501.92	Rough, mountainous, steep	1-2-3	VIII VG	2-3	Federal	1-6	17
		7	661.48	Rough, mountainous, steep	1-2-3	VIII VG	2-3	Federal	1-6	47
		8	632.80	Rough, mountainous, steep	1-2-3	VIII VG	2-3	Federal	1-6	51
		11	160.00	Rough, mountainous, steep	1-2-3	VIII VG	2-3	Federal	1-6	17
		12	120.00	Gently to steeply rolling	1-2-3	VII VG	1	Private	1	29
		13	240.00	Gently to steeply rolling	1-2-3	VII VG	1	Private	1	48
		14	280.00	Rough, mountainous, steep	1-2-3	VI, VII VG	2-3	Federal	1-6	29
		15	40.00	Rough, mountainous, steep	1-2-3	VII VG	2-3	Federal	1-6	6
		17	40.00	Rough, mountainous, steep	1-2-3	VII VG	2-3	Private	1-6	6
		18	320.00	Rough, mountainous, steep	1-2-3	VIII E	2-3	Federal	1-6-7-8	15
		19	473.32	Rough, mountainous, steep	1-2-3	VIII E	2-3	Federal	1-6-7-8	23
		20	474.08	Rough, mountainous, steep	1-2-3	VIII E	2-3	Federal	1-6-7-8	29
		22	160.00	Rough, mountainous, steep	1-2-3	VIII VG	2-3	Federal	1-6-7-8	26
		23	160.46	Rough, mountainous, steep	1-2-3	VIII VG	2-3	Federal	1-6-7-8	34
		24	360.58	Rough, mountainous, steep	1-2-3	VIII VG	2-3	Federal	1-6-7-8	68
		28	320.00	Rough, mountainous, steep	1-2-3	VIII G	2-3	Federal	1-6-7-8	68
		29	160.00	Rough, mountainous, steep	1-2-3	VIII VG	2-3	Federal	1-6-7-8	21
		30	360.00	Rough, mountainous, steep	1-2-3	VIII VG	2-3	Federal	1-6-7-8	42
		31	473.53	Rough, mountainous, steep	1-2-3	VIII E	2-3	Federal	1-6-7-8	31
		32	78.11	Rough, mountainous, steep	1-2-3	VIII E	2-3	Federal	1-6-7-8	7
		33	280.00	Rough, mountainous, steep	2-3	VIII E	2-3	Federal	1-6-7-8	36
		34	120.00	Rough, mountainous, steep	1-2	VII E	2-3	Federal	1-6	15
		35	160.00	Rough, mountainous, steep	1-2	VII E	2-3	Federal	1-6	20
		26	200.00	Rough, mountainous, steep	1-2	VII E	2-3	Federal	1-6	29
		6	40.00	Gently rolling	1	VI VG	1	Private	1	10
26		17	40.00	Gently to steeply rolling	1	VI VG	1	Private	1	10

-Continued

Table 3.- Description, Area and Classification of Public Domain by Counties within the Sun River Subarea, of the Sun River-Teton Area, Montana, 1952 -Continued

Montana Principal Meridian		Subdivision	Acres	General Land Character	Present Land Use	Land Use Capability & Condition	Suitability	Proposed Management	Range Type	Stocking Rate AUMS
Twp. North	Rge. West									
Teton County										
26	6	29	80.00	Gently to steeply rolling	1	VI VG	1	Private	1	19
		30	80.00	Gently to steeply rolling	1	VI VG	1	Private	1	19
	7	35	40.00	Gently to steeply rolling	1	VI VG	1	Private	1	8
		8	120.00	Gently to steeply rolling	1	VI VG	1	Private	1	37
		9	40.00	Gently to steeply rolling	1	VI VG	1	Private	1	8
		13	80.00	Gently to steeply rolling	1	VI VG	1	Private	1	22
		15	40.00	Gently to steeply rolling	1	VI VG	1	Private	1	11
		18	36.17	Gently to steeply rolling	1	VI VG	1	Private	1	10
		22	40.00	Gently to steeply rolling	1	VI VG	1	Private	1	11
		24	200.00	Gently to steeply rolling	1	VI VG	1	Private	1	58
		26	40.00	Gently to steeply rolling	1	VI VG	1	Private	1	8
		29	40.00	Gently to steeply rolling	1	VI VG	1	Private	1	12
		31	472.81	Gently to steeply rolling	1	VI VG	1	Private	1	129
8		3	40.00	Gently to steeply rolling	1	VI VG	1	Private	1	11
		10	40.00	Gently to steeply rolling	1	VI VG	1	Private	1	6
		13	40.00	Gently to steeply rolling	1	VII VG	1	Private	1	6
		14	40.00	Gently to steeply rolling	1	VI VG	1	Private	1	12
		17	80.00	Gently to steeply rolling	1	VII VG	1-2-3	Private	1	12
		18	38.32	Gently to steeply rolling	1	VII G	1-2-3	Private	1-6	6
		29	40.00	Rough, mountainous, steep	1	VIII G	2-3-6	Federal	1-6	3
		30	394.91	Rough, mountainous, steep	1	VIII VG	2-3-6	Federal	1-6	21
		31	512.52	Rough, mountainous, steep	1	VIII VG	2-3-6	Federal	1-6	26
		32	80.00	Rough, mountainous, steep	1	VIII VG	2-3-6	Federal	1-6	12
Totals by Counties				Total Acres	Acres by Land Capability Classes			Total AUMS		
Lewis and Clark				10,475	V	VII	VIII	Total AUMS		1,972
Teton				36,180	1,642	4,175	668			6,072
Grand Total				46,655	1,642	10,585	12,997			8,044
					16,588	14,760	13,665			

Table 3.- Description, Area and Classification of Public Domain by Counties within the Sun River Subarea, of the Sun River-Teton Area, Montana, 1952 -Footnotes

- 1/ Symbols denote land use and suitability:- 1. Grazing; 2. Wildlife; 3. Watershed; 4. Crop; 5. Mining; 6. Recreation.
- 2/ Land use capability is explained in table 6. Condition is determined by the state of the soil and cover in comparison with the best possible for the site. Vegetative cover and erosion are the principal factors in this determination. E is excellent condition, VC is very good, G is good, F is fair, and P is poor condition.
- 3/ Vegetative cover types are designated by the following numbers: 1. Grass; 4. Sage; 6. Coniferous supporting grass and browse; 7. Waste, dense timber; 8. Barren.
- 4/ The proper stocking rate for each tract of land as described is given in this column in animal unit months. All information has been compiled from field investigations, Bureau of Land Management records and from records of the several counties.

MARYSVILLE SUBAREA

The Marysville subarea is principally within Lewis and Clark County, Montana. A portion of Cascade County is within the area as well as small parts of Jefferson, Meagher, and Broadwater Counties. This area includes the drainage of the Missouri River from Cascade to Canyon Ferry Dam, as shown on the map included with this report. Mountains practically surround the area and are located on the east, west, and south sides. The higher mountains are in the Helena National Forest. This subarea has a total area of 1,197,452 acres, including 112,112 acres, or 9 percent, of public domain; 333,576 acres, or 28 percent, National Forest; 63,509 acres, or 5 percent, State of Montana; and 686,122 acres, or 58 percent, is privately-owned land.

Most of the public domain in this area is mountainous in character and much of it is adjacent to the National Forest. Distribution and location of public domain lands within the area is shown on the maps appended to this report. Public domain lands are classified as being 94,726 acres, or 84 percent, class VII; 10,770 acres, or 10 percent, class VI; and 6,536 acres, or 6 percent, class VIII. Only 80 acres are class V. This land is 49 percent in excellent condition, 32 percent is in very good condition, and 19 percent is in good condition, as shown in the following tabulation of public domain within the area. The grazing capacity is 14,609 animal unit months or 7.7 acres per animal unit month. Capability, condition class and grazing capacity of public domain lands within the Marysville subarea compiled by counties is as follows:

County	Capability Class				Condition Class			Grazing Capacity AUM
	V	VI	VII	VIII	Good	Very Good	Excellent	
Broadwater	--	30	10	--	40	--	---	8
Cascade	80	4,821	11,196	1,513	8,916	5,515	3,178	1,652
Jefferson	--	2,964	11,218	3,124	3,085	11,448	2,772	2,463
Lewis & Clark	--	2,955	72,102	1,899	8,464	19,079	49,413	10,476
Meagher	--	--	200	--	200	--	---	10
Total	80	10,770	94,726	6,536	20,705	36,042	55,363	14,609
Percent	.07	9.60	84.49	5.84	18.50	32.14	49.36	

Most of the public domain lands in the area are covered with grass. The type of vegetative cover of the public domain lands in acres in each county of the Marysville subarea is as follows:

County	Total Area Public Domain	Type I Grass	Type 6 Timber with browse grass and weeds	Type 7 Waste Dense Timber Brush, Shrubs & Weeds	Type 8 Barren or very little Vegetation
Broadwater	40	40	--	--	--
Cascade	17,610	13,318	1,997	1,567	728
Jefferson	17,306	13,172	2,340	1,308	486
Lewis & Clark	76,956	50,783	13,352	8,735	4,086
Meagher	200	--	90	80	30
Total	112,112	77,313	17,779	11,690	5,330
Percent	100	69	16	10	5

The summarized description, location and classification of each tract of public domain in the Marysville subarea is presented in table 4. Some of the public domain lands along the Missouri River may be of value for cabin sites or campgrounds in the future, especially those sites near the lakes. Three lots of public land comprising 270 acres in one block along Lump Creek, eight miles south of Helena, may become desirable for cabin sites. Craig Island located in the Missouri River near Craig, Montana, should be retained in public ownership as a potential recreation site. Mining claims are located on public domain lands, especially in the vicinity of Helena. The presence of these mining claims interferes with the use of the land for other purposes.

Most of the public domain in the subarea has important public multiple-use values for watershed, wildlife, recreation and timber. Much of the public domain is adjacent to the National Forest and is closely associated therewith in use values. It is proposed that these public domain lands be transferred to the Forest Service for administration. There are substantial areas of primary value for wildlife use which are considered in the units described herewith. There are 96 isolated tracts in the subarea which should be transferred to private or state ownership. These isolated tracts range in size from a few acres to 240 acres. They are best suited

to livestock grazing and should be administered in connection with the surrounding privately owned land. These 96 isolated tracts are described in table 4.

Montana Grazing District No. 5 extends into the southern part of the subarea, including the parts of Broadwater and Jefferson Counties within the subarea. The location of public domain within the Grazing District is shown on the supplemental map with this report. There are 17,346 acres of public domain within the Grazing District, nearly all of which should be retained in the present ownership and continue to be managed by the Bureau of Land Management. There are 18 isolated tracts within the Grazing District ranging in size from 5.88 to 150 acres, comprising 940 acres, which should be exchanged and transferred to private ownership.

Wildlife and Recreational Units

Sheep Creek unit includes 13,445 acres in 17 checkerboard sections of public domain between Sheep and Stickney Creeks in townships 15 and 16 North, and in ranges 1 and 2 West. This mountainous unit is best suited to big game, watershed, hunting and fishing uses. Mountain sheep formerly flourished here. Blacktail deer and a few elk now use the unit. Streams in the area furnish trout fishing valued at \$200.00 per mile on a use basis. These lands should remain in public ownership and be administered by the State of Montana or by a Federal agency for game range and watershed protection. The unit is 29 percent capability class VI, 64 percent class VII, and 7 percent class VIII. The vegetal cover is 12 percent grass type, 71 percent timber type with browse, grass and weeds, 15 percent dense timber, and 2 percent barren rock. The limited grazing value is evidenced by only 957 animal unit months of grazing capacity on the unit of 13,445 acres.

Wolf Creek unit comprises 9,163 acres of public domain in townships 13 and 14 North, ranges 3 and 4 West. It is located in the rough mountains south of the town of Wolf Creek between Little Prickly Pear Creek and Lake Holden on the Missouri River. The public domain is in a loosely connected checkerboard pattern with intermingled privately owned land. The steep rough mountains vary from 3,800 feet elevation along the Missouri River to 6,500 feet on the divide, and drop down to 4,000 feet on Prickly Pear Creek. Principal multiple

use values of the area are big game range, watershed protection, hunting and fishing. The entire unit provides only 783 months of livestock grazing, most of which is on the lower slopes. At present, the limited livestock grazing value is well managed by the local operators. Cattle are the only class of livestock in the area. Sheep or horses could cause damage or interfere seriously with big game use of the higher parts of the unit.

The unit is 95 percent land use capability VII and 5 percent class VIII. The vegetal cover is 52 percent open timber with grass and brush, 31 percent grass type, 12 percent dense timber and 5 percent barren rocks. Most of the grass is of tall mountain species. The unit has feed and water for all four seasons for big game use. The Missouri River fishery in the unit is valued at \$2,000 per mile annually, and other streams at \$500 per mile.

It is recommended that these lands be retained in Federal ownership. They should be administered by the Fish and Game Commission of the State of Montana or by the Federal agency best situated to manage and protect them. If it is not feasible to transfer administration of the unit to the State under the Amended Coordination Act (PL 732, August 14, 1946 - 60 Stat. 1080; 16 USC 661) probably the Forest Service could best manage the unit until such a transfer were possible.

Marysville unit is 31,744 acres of public domain located on the foothills and mountains adjacent or near to the Helena National Forest north and west of Helena, Montana. There are four large blocks of public domain in the unit as shown on the map. There is also a checkerboard area in townships 14 and 15 North, range 5 West. In addition, there are scattered small tracts of public domain in the unit. Most of the unit is covered with timber or woodland varying from open Ponderosa pine stands to dense forests of lodgepole pine and Douglas fir. Conifer tree types cover $86\frac{1}{2}$ percent of the public domain in the unit. The 13 percent of grass type is within parks, patches or stream stringers surrounded by timber or woodland types.

The 31,744 acres of public domain in the unit are virtually all in land use capability class VII, only 160 acres being in class VI. Open conifer woodland or timber types cover 62 percent of the unit. Dense conifer timber with no grazing value is found on $24\frac{1}{2}$ percent of the unit. Small areas of the grass type cover 13 percent of the area and $1/2$ percent is barren.

The unit is best suited to watershed protection, game range, limited timber production, hunting, recreation, and fishing. Owing to its proximity to and use relationship with the Helena National Forest, it is recommended that the unit be administered by the Forest Service. The lands should remain in public ownership and be exchanged for National Forest lands in Grazing District areas or transferred to them. The unit has many unpatented mining claims which should be checked for validity.

Missouri River unit is made up of a number of tracts of public domain along the Missouri River and along the lakes created by the dams on the river. These tracts have present or potential value for home, camp, cabin, or recreational sites. The unit includes 7,050 acres, 79 percent being in land use capability class VII and 21 percent is class VIII. Open conifer timber stands cover 42 percent of the unit, 27 percent is in grass type, 25 percent has dense timber, and 6 percent is barren. The unit includes the large block of public domain land in township 12 North, range 3 West. This and adjacent public domain are proposed for transfer to the Forest Service for administration. Principal values of the public domain in this vicinity are for watershed protection, recreation, limited timber production, game range, and a little grazing use.

The following lands in the unit are of value for home, cabin, or recreational sites. In the vicinity of Lake Hauser Lots 3 to 8, Section 5, Lots 1 to 3 and 19, Section 6, township 10 North, range 1 West; Lots 1 and 2, Section 1, township 10 North, range 2 West; Lots 3 and 4, Section 32, township 11 North, range 1 West; Lots 3 to 8, Section 11, township 11 North, range 2 West; Lot 2, Section 12, Lots 1 to 5 and 12, Section 13, Lots 4 to 7, Section 24, and Lot 4, Section 26, township 11 North, range 2 West. Along the Missouri River between Hauser Lake and the Gates of the Mountains Lake, all in township 12 North, range 2 West: Lot 1, Section 18; Lots 2, 5, 8 and 11, Section 19; Lots 2 and 5, Section 29; Lots 2, 5 and 6, Section 30; and Lots 2, 3, 6 and 7, Section 32. Along the Gates of the Mountains Lake in township 12 North, range 3 West: Lot 4, Section 1, and Lot 1, Section 2.

Land use capability classes and types of vegetative cover in acres within each of the Wildlife and Recreational units of the Marysville subarea is as follows:

Unit	Area	Capability Class			Type of Vegetal Cover			
		VI	VII	VIII	Grass	Conifer Timber	Dense Timber	Barren
Sheep Creek	13,445	3,863	8,657	925	1,590	9,544	2,030	281
Wolf Creek	9,163	--	8,670	493	2,800	4,751	1,105	507
Marysville	31,744	160	31,584	--	4,064	19,749	7,746	185
Missouri R.	7,050	--	5,537	1,513	1,895	2,964	1,766	425
Total	61,402	4,023	54,448	2,931	10,349	37,008	12,647	1,398

Fishery values per mile for streams in the Sun River-Teton Area established by the Montana State Department of Fish and Game are as follows:

- \$20,000 - Missouri River, Great Falls to Holter Dam.
- \$ 6,000 - Smith River to South Fork; Missouri River, Canyon Ferry to Trident; Dearborn River to Middle Fork.
- \$ 5,000 - Belt Creek if not polluted.
- \$ 3,500 - Smith River, South Fork to head North Fork.
- \$ 3,000 - Dearborn River above Middle Fork.
- \$ 2,500 - Sheep Creek, Prickly Pear Creek to Canyon Creek; Sun River, Vaughn to South Fork.
- \$ 2,000 - Missouri River, Moroney Dam to Sun River; Prickly Pear Creek, East Helena to Jefferson City.
- \$ 1,500 - Missouri River, Fort Benton to Moroney Dam; Tenderfoot Creek, Rock Creek.
- \$ 1,000 - Highwood, Hound, Falls and Flat Creeks; South and Middle Forks Dearborn River; North and South Forks Sun River.
- \$ 850 - Trout Creek; \$ 800 - Beaver Creek.
- \$ 750 - Elkhorn and Birch Creeks; South Fork Smith River.
- \$ 700 - Seven Mile, Canyon and Willow Creeks.
- \$ 500 - Otter, Camas, Little Prickly Pear, Smith and Ford Creeks and Prickly Pear Creek above Jefferson City.
- \$ 450 - Newlin Creek; \$ 400 - Eagle Creek.
- \$ 300 - Ten Mile, Clancy and Deep Creeks.
- \$ 250 - Lump Gulch
- \$ 200 - Sheep, Willow, Blubber and Elk Creeks.
- \$ 100 - Missouri River, Holter Dam to Canyon Ferry; Teton River above Choteau; Beaver Creek.
- Zero - Teton River to Choteau; Sun River to Vaughn.

Table 4.- Description, Area and Classification of Public Domain by Counties within the Marysville Subarea of the Sun River-Teton Area, Montana, 1952

Montana Principal Meridian		Subdivision	Acres	General Land Character	Present Land Use	Land Use Capability & Condition	Suitability	Proposed Management	Range Type	Stocking Rate AUMS
Twp. North	Rge. West Sec.									
Broadwater County										
9	1 31	SW $\frac{1}{4}$ SE $\frac{1}{4}$	40.00	Steeply rolling	1	VI, VII G	1	Private	1	8
Cascade County										
14	1E 4	Lot 1, S $\frac{1}{2}$ NE $\frac{1}{4}$, SE $\frac{1}{4}$ NW $\frac{1}{4}$	159.91	Steeply rolling	1	VI G	1	Private	1	35
	8	NE $\frac{1}{4}$ NE $\frac{1}{4}$	40.00	Steeply rolling	1	VI G	1	Private	1	10
	24	N $\frac{1}{2}$ NE $\frac{1}{4}$	80.00	Steeply rolling	1	V G	1	Private	1	20
	28	SW $\frac{1}{4}$ NW $\frac{1}{4}$, NW $\frac{1}{4}$ SW $\frac{1}{4}$	80.00	Steeply rolling	1	VI G	1	Private	1	16
	32	All	640.00	Mountainous, rough	1	VII E	1	Private	1-6	75
	1W 4	SW $\frac{1}{4}$ NW $\frac{1}{4}$, NW $\frac{1}{4}$ SW $\frac{1}{4}$, S $\frac{1}{2}$ SW $\frac{1}{4}$	160.00	Mountainous, rough	1-2-3	VIII G	1-2-3	Private	1-6-7	20
	8	All	640.00	Mountainous, rough	1-2-3	VII G	1-2-3	Private	1-6-7	80
	10	All	640.00	Mountainous, rough	1-2-3	VII G	1-2-3	Private	1-6-7	90
	26	N $\frac{1}{2}$ NE $\frac{1}{4}$, W $\frac{1}{2}$ NW $\frac{1}{4}$, NE $\frac{1}{4}$ SE $\frac{1}{4}$	200.00	Steeply rolling	1-2-3	VII E	1-2-3	Private	1-6-7	25
15	1E 6	NE $\frac{1}{4}$ SE $\frac{1}{4}$	41.26	Mountainous	1	VII G	1-2-3	Private	1-6	2
	8	Lot 4								
	22	NE $\frac{1}{4}$ SW $\frac{1}{4}$, SW $\frac{1}{4}$ SW $\frac{1}{4}$, SE $\frac{1}{4}$ SE $\frac{1}{4}$	120.00	Mountainous	1	VII G	1	Private	6	15
	34	N $\frac{1}{2}$ N $\frac{1}{2}$	160.00	Mountainous	1	VII VG	1	Private	1	32
	1W 2	S $\frac{1}{2}$ SE $\frac{1}{4}$	80.00	Mountainous	1	VII VG	1	Private	1	25
	4	All	666.74	Mountainous, rough, steep	1-2-3-6	VI VG	2-3-6	Federal	1-6-7-8	20
	6	All	670.88	Mountainous, rough, steep	1-2-3-6	VI VG	2-3-6	Federal	1-6-7-8	20
	8	All	571.70	Mountainous, rough, steep	1-2-3-6	VI VG	2-3-6	Federal	1-6-7-8	50
	10	All	633.47	Mountainous, rough, steep	1-2-3-6	VI VG	2-3-6	Federal	1-6-7-8	65
	12	All	640.00	Mountainous, rough, steep	1-2-3-6	VI E	2-3-6	Federal	1-6-7-8	60
	14	SW $\frac{1}{4}$ SW $\frac{1}{4}$	40.00	Mountainous, rough, steep	1-2-3-6	VI E	2-3-6	Federal	1-6-7-8	3
	20	N $\frac{1}{2}$	320.00	Mountainous, rough, steep	1-2-3-6	VI G	2-3-6	Federal	1-6-7-8	22
	22	N $\frac{1}{2}$	320.00	Mountainous, rough, steep	1-2-3-6	VI G	2-3-6	Federal	1-6-7-8	27
	30	W $\frac{1}{2}$ NE $\frac{1}{4}$, NW $\frac{1}{4}$, NW $\frac{1}{4}$ SW $\frac{1}{4}$, Lots 1, 2, 3, 4, E $\frac{1}{2}$ W $\frac{1}{2}$	280.00	Mountainous, rough, steep	1-2-3-6	VII VG	1-2-3	Private	1-6-7-8	18
16	1E 32	E $\frac{1}{2}$ SW $\frac{1}{4}$, W $\frac{1}{2}$ SE $\frac{1}{4}$	242.92	Mountainous, rough, steep	1-2-3-6	VII VG	1-2-3	Private	1-6-7-8	18
	6	SW $\frac{1}{4}$ SE $\frac{1}{4}$	160.00	Mountainous, rough, steep	1-2-3-6	VII G	1-2-3	Private	1-6-7-8	11
	18	Lots 1, 2, 3, 4, NE $\frac{1}{4}$	40.00	Mountainous, rough, steep	1	VII G	1	Private	1-6-7-8	10
	28	NE $\frac{1}{4}$, NW $\frac{1}{4}$ SW $\frac{1}{4}$, SW $\frac{1}{4}$ NW $\frac{1}{4}$, NW $\frac{1}{4}$ SW $\frac{1}{4}$	307.92	Mountainous, rough, steep	1	VII G	1	Private	1-6-7-8	20
			320.00	Mountainous, rough, steep	1	VI G	1	Private	1-6-7-8	33

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Table 4.- Description, Area and Classification of Public Domain by Counties within the Marysville Subarea of the Sun River-Teton Area, Montana, 1952 -Continued

Montana Principal Meridian		Subdivision	Acres	General Land Character	Present Land Use	Land Use Capability & Condition	Suitability	Proposed Management	Range Type	Stocking Rate AUMS		
Twp. North	Rge. West										Sec.	
Cascade County												
16	1	2	646.95	Mountainous, rough, steep	1-2-3-6	VII G	2-3-6	Federal	6-7	45		
		8	40.00	Mountainous, rough, steep	1	VII G	1-2	Private	1-6	7		
		12	80.00	Mountainous, rough, steep	1-6	VII G	1-2	Private	1-6	8		
		14	443.84	Mountainous, rough, steep	1-2-3-6	VII, VIII G	1-2-3-6	Federal	6-7	27		
		18	46.87	Mountainous, rough, steep	1-6	VIII G	1-6	Private	1-6-7	2		
		20	400.00	Mountainous, rough, steep	1-2-3-6	VII, VIII G	1-2-3-6	Federal	6-7	29		
		22	642.99	Mountainous, rough, steep	1-2-3-6	VII, VIII G	1-2-3-6	Federal	6-7	35		
		24	640.00	Mountainous, rough, steep	1-2-3-6	VII, VIII G	1-2-3-6	Federal	6-7	35		
		26	640.00	Mountainous, rough, steep	1-2-3-6	VII, VIII G	1-2-3-6	Federal	6-7	30		
		28	640.00	Mountainous, rough, steep	1-2-3-6	VII, VIII G	1-2-3-6	Federal	1-6-7	40		
		30	523.40	Mountainous, rough, steep	1-2-3-6	VII, VIII G	1-2-3-6	Federal	1-6-7	30		
		32	640.88	Mountainous, rough, steep	1-2-3-6	VII, VIII G	1-2-3-6	Federal	1-6-7-8	40		
		34	640.88	Mountainous, rough, steep	1-2-3-6	VII, VIII G	1-2-3-6	Federal	1-6-7-8	42		
		2	6	Lot 4, SE $\frac{1}{4}$ SW $\frac{1}{4}$, SW $\frac{1}{4}$ SE $\frac{1}{4}$	115.84	Mountainous, rough	1	VII VG	1	Private	1-6-7	13
		10	10	Lots 2, 4, 6, 11, 12, 13, 14	333.74	Mountainous, rough	1-2	VII, VIII VG	2-3	Federal	6-7	14
		12	3	NE $\frac{1}{4}$ NE $\frac{1}{4}$, NE $\frac{1}{4}$ SW $\frac{1}{4}$	120.00	Mountainous, rough	1	VII VG	1-2	Private	1	14
		17	1	Lot 13	2.99	Steeply rolling	1	VIII G	1	Private	1	--
		6	6	Lots 5, 10, 11	118.18	Steeply rolling	1	VI G	1	Private	1	19
		7	7	Lot 4, E $\frac{1}{4}$ NE $\frac{1}{4}$, W $\frac{1}{4}$ NE $\frac{1}{4}$, SE $\frac{1}{4}$ NE $\frac{1}{4}$	240.43	Steeply rolling	1	VI G	1	Private	1	32
		10	2	Lot 5, 10	18.06	Steeply rolling	1	VII G	1	Private	1	4
		12	2	Lot 4, SW $\frac{1}{4}$ SW $\frac{1}{4}$	80.72	Rough, mountainous, steep	1	VII G	1	Private	1	11
		14	14	NE $\frac{1}{4}$ SW $\frac{1}{4}$, SE $\frac{1}{4}$ SW $\frac{1}{4}$, NE $\frac{1}{4}$ SW $\frac{1}{4}$, W $\frac{1}{4}$ SW $\frac{1}{4}$	320.00	Rough, mountainous, steep	1	VII VG	1	Private	1	33
		18	18	E $\frac{1}{4}$ W $\frac{1}{4}$, W $\frac{1}{4}$ W $\frac{1}{4}$	320.00	Rough, mountainous, steep	1	VII VG	1	Private	1	40
		19	19	E $\frac{1}{4}$ E $\frac{1}{4}$, SW $\frac{1}{4}$ NE $\frac{1}{4}$	200.00	Rough, mountainous, steep	1-2	VII E	1-2	Private	1-6-7	35
		24	24	SW $\frac{1}{4}$ SW $\frac{1}{4}$, SW $\frac{1}{4}$ SW $\frac{1}{4}$	336.92	Rough, mountainous, steep	1-2	VII E	1-2	Private	1-6-7	65
		26	26	SW $\frac{1}{4}$ SW $\frac{1}{4}$, E $\frac{1}{4}$ SW $\frac{1}{4}$, W $\frac{1}{4}$ SE $\frac{1}{4}$	240.00	Rough, mountainous, steep	1-2	VII E	1-2	Private	1-6-7	31
		32	32	NE $\frac{1}{4}$ SW $\frac{1}{4}$, W $\frac{1}{4}$ SW $\frac{1}{4}$, NE $\frac{1}{4}$ SW $\frac{1}{4}$	200.00	Rough, mountainous, steep	1-2	VII E	1-2	Private	1-6-7	33
		18	3	Lot 2	320.00	Rough, mountainous, steep	1-2	VII E	1-2	Private	1-6-7	45
					40.12	Rough, mountainous, steep	1-2	VII E	1-2	Private	1-6-7	6

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Table 4.- Description, Area and Classification of Public Domain by Counties within the Marysville Subarea of the Sun River-Teton Area, Montana, 1952 -Continued

Montana Principal Meridian		Subdivision	Acres	General Land Character	Present Land Use	Land Use Capability & Condition	Suitability	Proposed Management	Range Type	Stocking Rate AUMS
Twp.	Rge. North West Sec.									
Cascade County										
17	3	20	321.06	Rough, mountainous, steep	1-2	VII, VIII E	1-2	Private	1-6-7	65
Jefferson County										
7	3	4								
			469.86	Rough, mountainous, steep	1-2-3	VII G	1-2-3-6	Federal	1-6-7-8	44
		8	75.95	Rough, mountainous, steep	1-2-3	VI, VII G	1-2-3-6	Federal	1-6-7-8	8
		9								
		17	220.82	Rough, mountainous, steep	1-2-3	VI, VII, VIII E	1-2-3-6	Federal	1-6-7-8	24
		19	348.82	Rough, mountainous, steep	1-2-3	VI, VII, VIII E	1-2-3-6	Federal	1-6-7-8	52
		20	360.47	Rough, mountainous, steep	1-2-3	VI, VII, VIII E	1-2-3-6	Federal	1-6-7-8	38
		21	640.00	Rough, mountainous, steep	1-2-3	VI, VII, VIII VG	1-2-3-6	Federal	1-6-7-8	45
		28	600.00	Rough, mountainous, steep	1-2-3	VII, VIII VG	1-2-3-6	Federal	1-6-7-8	20
		29	640.00	Rough, mountainous, steep	1-2-3	VII, VIII VG	1-2-3-6	Federal	1-6-7-8	20
		30	616.86	Rough, mountainous, steep	1-2-3	VII, VIII E	1-2-3-6	Federal	1-6-7-8	25
		4	586.67	Rough, mountainous, steep	1-2-3	VI, VII, VIII VG	1-2-3-6	Federal	1-6-7-8	35
		3	317.90	Rough, mountainous, steep	1-2-3	VII G	1-2-3-6	Federal	1	70
		4	617.16	Rough, mountainous, steep	1-2-3	VII VG	1-2-3-6	Federal	1-6-7	143
		5	135.47	Rough, mountainous, steep	1-2-3	VII, VIII E	1-2-3-6	Federal	1-6-7	21
		8	143.37	Rough, mountainous, steep	1-2-3	VII, VIII VG	1-2-3-6	Federal	1-6-7	17
		9	2.63	Rough, mountainous, steep	1-2-3-5	VIII G	1-2-3-5	Federal	6	--
		10	136.80	Rough, mountainous, steep	1-2-3-5	VII, VIII G	1-2-3-5	Federal	1-6	30
		11	575.80	Rough, mountainous, steep	1-2-3-5	VII, VIII VG	1-2-3-5	Federal	1-6-7	89
		12	360.00	Rough, mountainous, steep	1-2-3-5	VI, VII, VIII VG	1-2-3-5	Federal	1-6-7	87
			239.54	Rough, mountainous, steep	1-2-3-5	VI, VII, VIII G	1-2-3-5	Federal	1-6-7	46

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Table 4.- Description, Area and Classification of Public Domain by Counties within the Marysville Subarea of the Sun River-Teton Area, Montana, 1952 -Continued

Montana Principal Meridian		Subdivision	Acres	General Land Character	Present Land Use	Land Use Capability & Condition	Suitability	Proposed Management	Range Type	Stocking Rate AUMS
Twp. North	Rge. West									
Jefferson County										
9	2	22	E $\frac{1}{2}$ SE $\frac{1}{4}$, W $\frac{1}{2}$ NW $\frac{1}{4}$ NW $\frac{1}{4}$, S $\frac{1}{2}$ NW $\frac{1}{4}$ SW $\frac{1}{4}$ NW $\frac{1}{4}$	130.00	Rough, mountainous, steep	1	VI VG	Private	1	38
		27	E $\frac{1}{2}$ E $\frac{1}{2}$, SW $\frac{1}{4}$ SE $\frac{1}{4}$	200.00	Rough, mountainous, steep	1-2-3	VI E	Federal	1	20
		30	Lots 3, NE $\frac{1}{4}$ SW $\frac{1}{4}$	80.71	Rough, mountainous, steep	1	VI, VII E	Private	1	14
		34	SW $\frac{1}{4}$ NW $\frac{1}{4}$, SW $\frac{1}{4}$ SE $\frac{1}{4}$ NE $\frac{1}{4}$, NW $\frac{1}{4}$, SE $\frac{1}{4}$ SE $\frac{1}{4}$							
		3	S $\frac{1}{2}$ NE $\frac{1}{4}$ SE $\frac{1}{4}$, NE $\frac{1}{4}$ NE $\frac{1}{4}$, SE $\frac{1}{4}$ NW $\frac{1}{4}$ SE $\frac{1}{4}$	165.00	Rough, mountainous, steep	1	VI VG	Private	1	25
		13	Lot 9, 10, 13	5.88	Rough, mountainous, steep	1	VI VG	Private	1	1
		15	NW $\frac{1}{4}$ NW $\frac{1}{4}$	40.00	Rough, mountainous, steep	1	VI, VII VG	Private	1-6	6
		17	Lots 1, 2, 3, SE $\frac{1}{4}$ NW $\frac{1}{4}$	123.76	Rough, mountainous, steep	1	VI, VII VG	Private	1-6	32
		18	Lots 10, 11	20.31	Rough, mountainous, steep	1	VI, VII VG	Private	1	4
		19	N $\frac{1}{2}$, SE $\frac{1}{4}$	477.70	Rough, mountainous, steep	1-2-3	VI, VI, VIII VG	Federal	1-6	96
		20	NW $\frac{1}{4}$, NW $\frac{1}{4}$ NE $\frac{1}{4}$, NW $\frac{1}{4}$ SW $\frac{1}{4}$	240.00	Rough, mountainous, steep	1-2-3	VI, VII, VIII VG	Federal	1-6	65
		21	NE $\frac{1}{4}$ SE $\frac{1}{4}$	40.00	Rough, mountainous, steep	1	VI VG	Private	1-6	10
		23	Lots 2, 8, 9, 10, 11, 12, 13	155.64	Rough, mountainous, steep	1	VI, VII VG	Federal	1-6	32
		24	W $\frac{1}{2}$ NW $\frac{1}{4}$	80.00	Rough, mountainous, steep	1	VI, VII VG	Federal	1-6	14
		25	SE $\frac{1}{4}$, E $\frac{1}{2}$ SW $\frac{1}{4}$	240.00	Rough, mountainous, steep	2-3	VII VG	Federal	6-7-8	12
		26	S $\frac{1}{2}$ NE $\frac{1}{4}$	80.00	Rough, mountainous, steep	1-2-3	VI VG	Private	1-6-7	10
		29	Lots 1 to 6, W $\frac{1}{2}$ W $\frac{1}{2}$, SE $\frac{1}{4}$ SW $\frac{1}{4}$, SW $\frac{1}{4}$ SE $\frac{1}{4}$	391.30	Rough, mountainous, steep	2-3	VII, VIII VG	Federal	1-6-7-8	34
		30	Lots 5, 6, 7, 8, SE $\frac{1}{4}$, S $\frac{1}{2}$ SW $\frac{1}{4}$, NE $\frac{1}{4}$ NE $\frac{1}{4}$	300.00	Rough, mountainous, steep	2-3-6	VII, VIII VG	Federal	6-7-8	20
		31	ALL except M.C.	639.26	Rough, mountainous, steep	2-3-6	VII, VIII VG	Federal	6-7-8	20
		32	N $\frac{1}{2}$, W $\frac{1}{2}$ SW $\frac{1}{4}$, SE $\frac{1}{4}$	560.00	Rough, mountainous, steep	2-3-6	VII, VIII VG	Federal	6-7-8	18
		33	NW $\frac{1}{4}$, Lots 10, 12, 13, 14, 17, 19	292.70	Rough, mountainous, steep	2-3-6	VII, VIII VG	Federal	6-7-8	22
		35	E $\frac{1}{2}$ SE $\frac{1}{4}$, E $\frac{1}{2}$ SW $\frac{1}{4}$ SE $\frac{1}{4}$	100.00	Rough, mountainous, steep	2-3-6	VII, VIII VG	Federal	6-7-8	9
4		25	NW $\frac{1}{4}$, N $\frac{1}{2}$ SE $\frac{1}{4}$, NW $\frac{1}{4}$ SW $\frac{1}{4}$	280.00	Rough, mountainous, steep	1-2-3	VI, VII, VIII VG	Federal	1-6-7	31
Lewis and Clark County										
9	3	4	Lots 10, 11, 12, 15	2.96	Mountainous, rough, steep	3-5	VII G	Federal	1-6	1
		5	Lot 1	8.95	Mountainous, rough, steep	3-5	VII G	Federal	1	2
		18	Lot 1	35.77	Mountainous, rough, steep	1-3-5	VII G	Federal	1-6-7	7

-Continued

Table 4.- Description, Area and Classification of Public Domain by Counties within the Marysville Subarea of the Sun River-Teton Area, Montana, 1952 -Continued

Montana Principal Meridian		Subdivision	Acres	General Land Character	Present Land Use	Land Use Capability & Condition	Suitability	Proposed Management	Range Type	Stocking Rate AUMS
Twp. North	Rge. West									
Lewis and Clark County										
9	4	Lots 1, 9, 10, 16	155.43	Mountainous, rough, steep	1-2-3	VII G	1-2-3-5-6	Federal	1-6-7-8	17
	7	Lot 1	18.59	Mountainous, rough, steep	1-2-3	VII G	1-2-3-5-6	Federal	1-6-7-8	3
	18	Lots 2, 4, 5, 6, E½SE¼, NE¼SE¼, SE¼NW¼	305.53	Mountainous, rough, steep	1-2-3	VII G	1-2-3-5-6	Federal	1-6-7-8	31
	5	W½SW¼	80.00	Mountainous, rough, steep	1-2-3	VII G	2-3-5-6	Federal	6-7-8	7
	4	S½SE¼	80.00	Mountainous, rough, steep	1-2-3	VII G	2-3-5-6	Federal	6-7-8	5
	12	NW¼	160.00	Mountainous, rough, steep	1-2-3	VII G	2-3-5-6	Federal	6-7-8	10
	13	Lots 3, 4, NW¼SW¼	120.23	Mountainous, rough, steep	1-2-3	VII G	2-3-5-6	Federal	6-7-8	8
10	4	E½E½SW¼SW¼	5.00	Mountainous, rough, steep	2-3	VII, VIII G	2-3-5-6	Private	6-7	--
	5	Lots 3, 4, 5, 6, 7, 8	183.10	Mountainous, rough, steep	2-3-6	VIII G	2-3-5-6	Federal	7-8	10
	6	Lots 1, 2, 3, 4, 19	95.37	Mountainous, rough, steep	2-3-6	VIII G	2-3-5-6	Federal	7-8	6
	17	S½NW¼	80.00	Steeply rolling	1-2	VI G	1-2	Private	1-2	22
	32	SE¼NE¼	40.00	Steeply rolling	1-2	VI G	1	Private	1	12
	2	Lots 1, 2, SE¼NE¼	105.18	Mountainous, steep, rough	2-3-6	VIII G	2-3-6	Federal	7-8	6
4	2	Lots 1, 2, 5, SE¼NE¼	158.85	Mountainous, steep, rough	1-2-3-6	VII G	1-2-3-6	Federal	1-6	32
	3	Lots 3, 4, S½NW¼, N½SW¼	239.68	Mountainous, steep, rough	1-2-3-6	VII G	1-2-3-6	Federal	1-6	48
	4	Lots 2, 4, S½NE¼NW¼SE¼	239.86	Mountainous, steep, rough	1-2-3-6	VII G	1-2-3-6	Federal	1-6	25
	5	Lot 1	40.23	Mountainous, steep, rough	1	VII G	1-2-3-6	Federal	1-6	5
	6	Lots 3, 4, 5, 6, SE¼NW¼, SE¼, E½SW¼	477.03	Mountainous, steep, rough	1-2-3-5	VII G	1-2-3-5-6	Federal	1-6	76
	7	N½NE¼, NE¼NW¼	120.00	Mountainous, steep, rough	1-2-3-5	VII G	1-2-3-5-6	Federal	1-6	19
	8	W½W¼	160.00	Mountainous, steep, rough	1-2-3	VII G	1-2-3-5-6	Federal	1-6	21
	17	Lots 14, 16	28.47	Mountainous, steep, rough	1-2-3	VII G	1-2-3-5-6	Federal	1-6	4
	20	NE¼NW¼	40.00	Mountainous, steep, rough	5-6	VII G	1-2-3-5	Private	1-6	6
	29	Lots 1, 2, 3, 9, S½SW¼	208.49	Mountainous, steep, rough	1-2-3	VII G	1-2-3-5	Private	1-6	26
	30	W½SE¼	80.00	Mountainous, rough, steep	1-2-3	VII G	1-2-3-5	Private	1-6	5
	31	Lot 1	29.18	Mountainous, rough, steep	5-6	VII G	1-2-3-5	Private	1-6	4
	32	S½NW¼SW¼, NE¼NW¼SW¼	30.00	Mountainous, rough, steep	1-2-3	VII G	1-2-3-5-6	Federal	1-6-7-8	4
					5-6	VII G	1-2-3-5	Private	1-6	4

-Continued

Table 4.- Description, Area and Classification of Public Domain by Counties within the Marysville Subarea of the Sun River-Teton Area, Montana, 1952 -Continued

Montana Principal Meridian		Subdivision	Acres	General Land Character	Present Land Use	Land Use Capability & Condition	Suitability	Proposed Management	Range Type	Stocking Rate AUMS
Twp. North	Rge. West									
Lewis and Clark County										
10	4	36	255.03	Mountainous, rough, steep	1-2-3 5-6	VII G	1-2-3-5	Federal	1-6	32
5	1	1	657.65	Mountainous, rough, steep	Lots 1,2,3,4,5, 10,11,12,13	VII E	2-3-6	Federal	1	155
	2	2	625.37	Mountainous, rough, steep	S $\frac{1}{2}$ N $\frac{1}{2}$, S $\frac{1}{2}$ Lots 1 to 13, SE $\frac{1}{4}$ NE $\frac{1}{4}$	VII E	2-3-6	Federal	1	127
	3	3	273.11	Mountainous, rough, steep	Lots 5,6,7,10,13, S $\frac{1}{2}$ NW $\frac{1}{4}$ NE $\frac{1}{4}$ SW $\frac{1}{4}$	VII G	2-3-6	Federal	1	51
	5	5	238.53	Mountainous, rough, steep	Lots 3,4,5,6,7, 8,9	VII G	2-3-6	Federal	1	42
	10	10	6.54	Mountainous, rough, steep	Lot 22	VII G	2-3-6	Federal	1	1
	13	13	53.81	Mountainous, rough, steep	Lot 3, NE $\frac{1}{4}$ NE $\frac{1}{4}$	VII G	1-2-3-6	Private	1	5
	14	14	80.00	Mountainous, rough, steep	W $\frac{1}{2}$ SW $\frac{1}{4}$	VII G	2-3-6	Federal	1	8
11	1	30	160.00	Rough and mountainous	E $\frac{1}{2}$ NE $\frac{1}{4}$, W $\frac{1}{2}$ SE $\frac{1}{4}$	VII VG	2-3-6	Federal	6	18
	31	31	34.86	Rough and mountainous	Lot 6	VIII VG	2-3-6	Federal	7	—
	32	32	594.94	Rough and mountainous	N $\frac{1}{2}$, W $\frac{1}{2}$ SW $\frac{1}{4}$, NE $\frac{1}{4}$ SE $\frac{1}{4}$, Lots 1,2,3,4,5	VII VG	2-3-6	Federal	1-6	66
2	5	5	81.03	Rough and mountainous	SE $\frac{1}{4}$ NE $\frac{1}{4}$, Lot 1	VII VG	2-3-6	Federal	1-6	5
	6	6	261.61	Rough and mountainous	SE $\frac{1}{4}$ SE $\frac{1}{4}$, Lots 5,6,7, E $\frac{1}{2}$ SW $\frac{1}{4}$ SE $\frac{1}{4}$ NW $\frac{1}{4}$	VII VG	2-3-6	Federal	1-6	55
	7	7	208.08	Rough and mountainous	Lots 1,2,5,6, NE $\frac{1}{4}$ NW $\frac{1}{4}$, NE $\frac{1}{4}$ NE $\frac{1}{4}$	VII VG	2-3-6	Federal	1-6	46
	8	8	198.67	Rough and mountainous	SW $\frac{1}{4}$ NW $\frac{1}{4}$, W $\frac{1}{2}$ SW $\frac{1}{4}$, SE $\frac{1}{4}$ SW $\frac{1}{4}$, Lot 10	VIII VG	2-3-6	Federal	1-6	20
	11	11	169.63	Rough and mountainous	Lots 3 to 8 incl.	VII VG	2-3-6	Federal	1-6	28
	12	12	501.72	Rough and mountainous	Lots 1 to 15 incl.	VII VG	2-3-6	Federal	1-6	77
	13	13	522.15	Rough and mountainous	Lots 1 to 14 incl. W $\frac{1}{2}$ NE $\frac{1}{4}$, SE $\frac{1}{4}$ SW $\frac{1}{4}$ SE $\frac{1}{4}$	VII VG	2-3-6	Federal	1-6	94
	14	14	280.00	Rough and mountainous	NW $\frac{1}{4}$, W $\frac{1}{2}$ NE $\frac{1}{4}$, NE $\frac{1}{4}$ NE $\frac{1}{4}$, NE $\frac{1}{4}$, NE $\frac{1}{4}$ NW $\frac{1}{4}$, SE $\frac{1}{4}$ NW $\frac{1}{4}$, E $\frac{1}{2}$ SW $\frac{1}{4}$, W $\frac{1}{2}$ SE $\frac{1}{4}$	VII VG	2-3-6	Federal	1-6	55
	15	15	440.00	Rough and mountainous	Lot 2, SW $\frac{1}{4}$ NW $\frac{1}{4}$	VII VG	2-3-6	Federal	1-6	84
	17	17	78.09	Rough and mountainous	Lots 5,6, S $\frac{1}{2}$ NE $\frac{1}{4}$	VII VG	2-3-6	Federal	1-6	10
	18	18	148.20	Rough and mountainous	W $\frac{1}{2}$ NW $\frac{1}{4}$, NE $\frac{1}{4}$ NE $\frac{1}{4}$	VII VG	2-3-6	Federal	1-6	24
	22	22	120.00	Rough and mountainous	Lots 4,5,6,7, NE $\frac{1}{4}$, S $\frac{1}{2}$ SW $\frac{1}{4}$, NE $\frac{1}{4}$ SE $\frac{1}{4}$	VII VG	2-3-6	Federal	1-6	16
	24	24	360.87	Rough and mountainous		VII VG	2-3-6	Federal	1-6	64

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Table 4.- Description, Area and Classification of Public Domain by Counties within the Marysville Subarea of the Sun-River Teton Area, Montana, 1952 -Continued

Montana Principal Meridian		Subdivision	Acres	General Land Character	Present Land Use	Land Use Capability & Condition	Suitability	Proposed Management	Range Type	Stocking Rate AUMS
Twp. North	Rge. West									
Levis and Clark County										
11	5	5 NE $\frac{1}{4}$ SE $\frac{1}{4}$, SW $\frac{1}{4}$ SW $\frac{1}{4}$, Lots 4, 5, 8	203.41	Rough, mountainous, steep	1-2-3 5-6	VII, VIII E	1-2-3 5-6	Federal	7	33
	6	6 Lots 5, 6, 7, 8, 9, 10, 11, 12	319.50 320.00	Rough, mountainous, steep Rough, mountainous, steep	1-2-3 5-6	VII E	2-3-5-6	Federal	1-6-7	36
	8	8 NE $\frac{1}{4}$								
	9	9 Lot 5	41.75	Rough, mountainous, steep	1-2-3	VII E	2-3-5-6	Federal	7	10
	10	10 W $\frac{1}{2}$ SE $\frac{1}{4}$, SE $\frac{1}{4}$ SE $\frac{1}{4}$, W $\frac{1}{2}$ SW $\frac{1}{4}$								
	24	24 NE $\frac{1}{4}$ SW $\frac{1}{4}$, SE $\frac{1}{4}$ W $\frac{1}{2}$	280.00 39.83	Rough, mountainous, steep Rough, mountainous, steep	1-2-3 5-6	VII E	1-2-3 5-6	Private	1-6	2
	27	27 SE $\frac{1}{4}$ SW $\frac{1}{4}$	40.00	Rough, mountainous, steep	1-2-3	VII E	1-2-3	Private	1	49
	28	28 NE $\frac{1}{4}$ W $\frac{1}{2}$, SW $\frac{1}{4}$ SE $\frac{1}{4}$	80.00	Rough, mountainous, steep	1-2-3	VIII E	1-2-3	Private	7	5
	29	29 Lots 2, 7	13.28	Rough, mountainous, steep	1-2-3	VII E	1-2-3	Private	1	7
	31	31 Lot 8	27.89	Rough, mountainous, steep	1-2-3	VII E	1-2-3	Private	7	4
	32	32 Lots 1, 2, 3, 14, NW $\frac{1}{4}$ NE $\frac{1}{4}$, SE $\frac{1}{4}$ NE $\frac{1}{4}$	177.67	Rough, mountainous, steep	1-2-3	VII E	1-2-3	Private	1-6-7	2
	34	34 Lots 2, 4, 5, 6	103.20	Rough, mountainous, steep	1-2-3	VII E	1-2-3	Private	1-6	25
	35	35 Lots 1 to 13 incl. W $\frac{1}{2}$ NE $\frac{1}{4}$								
	36	36 Lots 1, 2, 3, 4, 5	310.88 144.08	Rough, mountainous, steep Rough, mountainous, steep	1-2-3 5-6	VII E	1-2-3 5-6	Private	1	18
	6	6 Lots 1 to 12 incl. S $\frac{1}{2}$ SW $\frac{1}{4}$, SW $\frac{1}{4}$ SE $\frac{1}{4}$	461.79 501.50	Rough, mountainous, steep Rough, mountainous, steep	1-2-3 5-6	VII E	1-2-3 5-6	Federal	1	48
	3	3 Lots 1 to 15	418.43	Rough, mountainous, steep	1-2-3	VII E	1-2-3	Federal	1	24
	4	4 Lots 1 to 14	362.34	Rough, mountainous, steep	1-2-3 5-6	VII E	1-2-3 5-6	Federal	1-6-7	83
										72
										74
										67

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Table 4.- Description, Area and Classification of Public Domain by Counties within the Marysville Subarea of the Sun River-Teton Area, Montana, 1952 -Continued

Montana Principal Meridian Twp. Rge. North West Sec.	Subdivision	Acres	General Land Character	Present Land Use	Land Use Capability & Condition	Suitability	Proposed Management	Range Type	Stocking Rate AUMS
				1/	2/	1/		3/	4/
Lewis and Clark County									
11 6 10	Lots 1 to 10, N $\frac{1}{2}$ NE $\frac{1}{4}$, SE $\frac{1}{4}$ NE $\frac{1}{4}$, NE $\frac{1}{4}$ SE $\frac{1}{4}$	395.78	Rough, mountainous, steep	1-2-3	VII E	1-2-3	Federal	1-6-7	65
11	ALL	640.00	Rough, mountainous, steep	5-6		5-6			
12 2 18	Lot 7	39.01	Rough, mountainous, steep	1-2-3-6	VII E	1-2-3-6	Federal	1-6-7	89
19	Lots 2 to 11, NE $\frac{1}{4}$ SW $\frac{1}{4}$	333.85	Rough, mountainous, steep	1-2-3-6	VII E	1-2-3-6	Federal	6	68
29	Lots 2, 5	73.25	Rough, mountainous, steep	1-2-3-6	VII E	1-2-3-6	Federal	6-7	8
30	Lots 2 to 8, E $\frac{1}{2}$ SW $\frac{1}{4}$, SE $\frac{1}{4}$	471.79	Rough, mountainous, steep	1-2-3-6	VII E	1-2-3-6	Federal	6	89
31	SE $\frac{1}{4}$ SE $\frac{1}{4}$	40.00	Rough, mountainous, steep	1-2-3-6	VII E	1-2-3-6	Federal	6	4
32	Lots 2, 3, 6, 7, SW $\frac{1}{4}$ SW $\frac{1}{4}$	100.83	Rough, mountainous, steep	1-2-3-6	VII E	1-2-3-6	Federal	6	14
3 1	Lot 4	30.10	Rough, mountainous, steep	1-2-3-6	VIII E	1-2-3-6	Federal	1-6	2
2	Lot 1	34.60	Rough, mountainous, steep	1-2-3-6	VIII E	1-2-3-6	Federal	1-6	2
7	N $\frac{1}{2}$	317.40	Rough, mountainous, steep	1-2-6	VII E	1-2-6	Federal	1	56
13	Lots 3, 4, 8, 9, 10, 11, 13, S $\frac{1}{2}$ SW $\frac{1}{4}$	163.67	Rough, mountainous, steep	1-2-3-6	VII E	1-2-3-6	Federal	1-6	23
15	NE $\frac{1}{4}$ SW $\frac{1}{4}$, NW $\frac{1}{4}$ SE $\frac{1}{4}$	80.00	Steeply rolling	1-2-3-6	VII E	1-2-3-6	Federal	1	15
18	S $\frac{1}{2}$ SE $\frac{1}{4}$, SE $\frac{1}{4}$ SW $\frac{1}{4}$	120.00	Steeply rolling	1-2-3-6	VII E	1-2-3-6	Federal	1	36
22	SE $\frac{1}{4}$	163.80	Rough, mountainous, steep	1-2-3-6	VII E	1-2-3-6	Federal	1-6	39
23	Lots 2, 3, 4, S $\frac{1}{2}$ SW $\frac{1}{4}$, W $\frac{1}{4}$ SE $\frac{1}{4}$, SE $\frac{1}{4}$ SE $\frac{1}{4}$	323.83	Rough, mountainous, steep	1-2-3-6	VII E	1-2-3-6	Federal	1-6	69
24	Lots 1, 2, 3, 4, NE $\frac{1}{4}$ NE $\frac{1}{4}$, NE $\frac{1}{4}$ SE $\frac{1}{4}$	236.33	Rough, mountainous, steep	1-2-3-6	VII E	1-2-3-6	Federal	1-6	29
25	ALL	640.24	Rough, mountainous, steep	1-2-3-6	VII E	1-2-3-6	Federal	1-6	97
26	NW $\frac{1}{4}$ NW $\frac{1}{4}$, SW $\frac{1}{4}$ NW $\frac{1}{4}$, S $\frac{1}{2}$, E $\frac{1}{2}$ NE $\frac{1}{4}$, S $\frac{1}{2}$ NW $\frac{1}{4}$, NW $\frac{1}{4}$ NW $\frac{1}{4}$	550.00	Rough, mountainous, steep	1-2-3-6	VII E	1-2-3-6	Federal	1-6	89
27	E $\frac{1}{2}$, SE $\frac{1}{4}$ SW $\frac{1}{4}$	360.00	Rough, mountainous, steep	1-2-3-6	VII E	1-2-3-6	Federal	1-6	73
28	N $\frac{1}{2}$, S $\frac{1}{2}$ NE $\frac{1}{4}$, N $\frac{1}{2}$ SE $\frac{1}{4}$, SW $\frac{1}{4}$ SE $\frac{1}{4}$, S $\frac{1}{2}$ SW $\frac{1}{4}$	440.00	Rough, mountainous, steep	1-2-3-6	VII E	1-2-3-6	Private	1-6	87
29	E $\frac{1}{2}$	320.00	Rough, mountainous, steep	1-2-3-6	VII E	1-2-3-6	Private	1-6	78
30	N $\frac{1}{2}$, SW $\frac{1}{4}$	472.38	Rough, mountainous, steep	1-2-3-6	VII E	1-2-3-6	Private	1-6	98
32	E $\frac{1}{2}$ NE $\frac{1}{4}$, SW $\frac{1}{4}$ NE $\frac{1}{4}$	120.00	Rough, mountainous, steep	1-2-3-6	VII E	1-2-3-6	Private	1-6	33
34	S $\frac{1}{2}$, S $\frac{1}{2}$ NW $\frac{1}{4}$, E $\frac{1}{2}$ NE $\frac{1}{4}$	480.00	Rough, mountainous, steep	1-2-3-6	VII E	1-2-3-6	Federal	1-6	81

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Table 4.- Description, Area and Classification of Public Domain by Counties within the Marysville Subarea of the Sun River-Teton Area, Montana, 1952 -Continued

Montana Principal Meridian		Subdivision	Acres	General Land Character	Present Land Use	Land Use Capability & Condition	Suitability	Proposed Management	Range Type	Stocking Rate AUMS
Twp. North	Rge. West									
Lewis and Clark County										
12	3	35	160.00	Rough, mountainous, steep	1-2-3-6	VII E	1-2-3-6	Federal	1-6	31
	4	2	320.00	Steeply rolling	1-2-6	VI E	1-2-6	Private	1	57
		8	160.00	Steeply rolling	1-2-6	VI E	1-2-6	Private	1	29
		10	160.00	Steeply rolling	1-2-6	VI E	1-2-6	Private	1	29
		12	160.00	Rough, mountainous, steep	1-2-6	VII E	1-2-3-6	Private	1-6	29
		22	640.00	Rough, mountainous, steep	1	VI E	1	Private	1	147
		24	320.00	Steeply rolling	1-2-6	VI E	1-2-3-6	Private	1	83
		28	240.00	Mountainous, steep	1	VI E	1	Private	1	57
	5	12	40.00	Mountainous, steep	1	VII E	1	Private	1	7
		19	69.66	Mountainous, steep	1-2-3	VII E	1-2-3	Private	1-6-7	10
		20								
			413.16	Mountainous, steep	1	VII E	1-2-3	Private	1-6	79
		27	60.00	Mountainous, steep	1	VII E	1	Private	1	11
		29	66.79	Mountainous, steep	1	VII E	1	Private	1-6	9
		30	75.99	Mountainous, steep	1-2-3	VII E	1-2-3	Private	1-6-7	11
		31	178.60	Mountainous, steep	1-2-3	VII E	1-2-3	Private	1-6-7	11
		32	24.17	Mountainous, steep	5-6	VII E	2-3-5-6	Federal	1-7	35
		33	68.25	Mountainous, steep	1-2-3	VII E	1-2-3	Private	1-6-7	4
		34	80.00	Mountainous, steep	5-6	VII E	5-6	Private	1-6-7	14
	6	5	80.00	Mountainous, steep	1-2-3	VII E	1-2-3	Private	1-6	11
		6	40.00	Mountainous, steep	1-2-3	VII E	2-3	Federal	1-6	15
		15	40.00	Mountainous, steep	1-2-3	VII E	2-3	Federal	1-6	4
		18	311.59	Mountainous, steep	5-6	VII E	2-3-5-6	Federal	1-6-7	4
		19	552.24	Mountainous, steep	1-2-3	VII E	2-3-5-6	Federal	1-6-7	44
		20	640.00	Mountainous, steep	5-6	VII E	2-3-5-6	Federal	1-6-7	53
		21	586.75	Mountainous, steep	1-2-3	VII E	2-3-5-6	Federal	1-6-7	63
					5-6	VII E	2-3-5-6	Federal	1-6-7	64

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Table 4.- Description, Area and Classification of Public Domain by Counties within the Marysville Subarea of the Sun River-Teton Area, Montana, 1952 -Continued

Montana Principal Meridian		Subdivision	Acres	General Land Character		Present Land Use	Land Use Capability & Condition	Suitability	Proposed Management	Range Type	Stocking Rate ADMS
Twp. North	Rge. West										
12	6	22	462.14	Mountainous, steep	1-2-3	VII E	2-3-5-6	Federal	1-6-7	54	
		25	180.74	Mountainous, steep	1-2-3	VII E	2-3-5-6	Federal	1-6-7	16	
		26	640.00	Mountainous, steep	1-2-3	VII E	2-3-5-6	Federal	1-6-7	63	
		27	570.20	Mountainous, steep	1-2-3	VII E	2-3-5-6	Federal	1-6-7	58	
		28	572.99	Mountainous, steep	1-2-3	VII E	2-3-5-6	Federal	1-6-7	76	
		29	600.00	Mountainous, steep	1-2-3	VII E	2-3-5-6	Federal	1-6-7	78	
		30	430.77	Mountainous, rough, steep	1-2-3	VII E	2-3-5-6	Federal	1-6-7	58	
		32	419.52	Mountainous, rough, steep	1-2-3	VII E	2-3-5-6	Federal	1-6-7	59	
		33	519.24	Mountainous, rough, steep	1-2-3	VII E	2-3-5-6	Federal	1-6-7	86	
		34	531.32	Mountainous, rough, steep	1-2-3	VII E	2-3-5-6	Federal	1-6-7	87	
		35	403.27	Mountainous, rough, steep	1-2-3	VII E	2-3-5-6	Federal	1-6-7	73	
		36	181.20	Mountainous, rough, steep	1-2-3	VII E	2-3-5-6	Federal	1-6-7	31	
7		1	400.18	Mountainous, rough, steep	1-2-3	VII E	2-3-5-6	Federal	1-6-7	70	
		12	276.98	Mountainous, rough, steep	1-2-3	VII E	2-3-5-6	Federal	1-6-7	49	
		13	647.49	Mountainous, rough, steep	1-0-3	VII E	2-3-5-6	Federal	1-6-7	39	
		23	80.00	Mountainous, rough, steep	1-2-3	VII E	2-3-5-6	Federal	1-6-7	10	
		24	160.87	Mountainous, rough, steep	1-2-3	VII E	2-3-5-6	Federal	1-6-7	21	
		25	239.57	Mountainous, rough, steep	1-2-3	VII E	2-3-5-6	Federal	1-6-7	26	

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Table 4.- Description, Area and Classification of Public Domain by Counties within the Marysville Subarea of the Sun River -Teton Area, Montana, 1952 -Continued

Montana Principal Meridian		Subdivision	Acres	General Land Character	Present Land Use	Land Use Capability & Condition	Suitability	Proposed Management	Range Type	Stocking Rate AUMS
Twp. North	Rge. Sec.									
Lewis and Clark County										
13	1E	6	507.72	Mountainous, rough, steep	1-2-3	VII E	1-2-3	Private	1-6	68
North West										
13	1	2	119.14	Mountainous, rough, steep	1-2-3	VII E	1-2-3	Private	1-6	19
		12	640.00	Mountainous, rough, steep	1-2-3	VII E	1-2-3	Private	1-6	84
		14	80.00	Mountainous, rough, steep	1-2-3	VII E	1-2-3	Private	1-6	14
	2	6	22.36	Mountainous, rough, steep	1	VII E	1	Private	1	3
		7	39.72	Mountainous, rough, steep	1	VII E	1	Private	1	4
		18	00.04	Mountainous, rough, steep	2	VIII E	2	Federal	8	
		19								
		30	247.33	Mountainous, rough, steep	2	VIII E	2	Federal	7-8	20
		3	125.34	Mountainous, rough, steep	2	VIII E	2	Federal	7-8	12
		2	109.31	Mountainous, rough, steep	1-2-8	VIII G	1-2-3 6-8	Federal	1-7-8	12
		4	586.30	Mountainous, rough, steep	1-2-3-6	VII G	1-2-3-6	Federal	1-6-8	40
		6	574.50	Mountainous, rough, steep	1-2-3-6	VII G	1-2-3-6	Federal	1-6-8	39
		8	640.00	Mountainous, rough, steep	1-2-3-6	VII G	1-2-3-6	Federal	1-6-7-8	62
		10	640.00	Mountainous, rough, steep	1-2-3-6	VII G	1-2-3-6	Federal	1-6-7-8	51
		12	126.33	Mountainous, rough, steep	1-2-8	VIII G	1-2-6-8	Federal	1-8	13
		14	136.81	Mountainous, rough, steep	1-2-8	VIII G	1-2-6-8	Federal	1-8	15
		18	160.00	Mountainous, rough, steep	1-2-3-6	VII E	1-2-3-6	Federal	1-6	14
		24	160.00	Mountainous, rough, steep	1-2	VII, VIII E	1-2	Private	1-8	15
		32	40.00	Mountainous, rough, steep	2-3	VII E	2-3	Private	1-6-7	3
		4	578.84	Mountainous, rough, steep	1-2-3-6	VII E	1-2-3-6	Federal	1-6	20
		4	240.76	Mountainous, rough, steep	1-2-3	VII E	1-2-3	Federal	1-6	37
		5	120.00	Mountainous, rough, steep	1-2-3-8	VII E	1-2-3-8	Federal	1	18
		10	160.00	Mountainous, rough, steep	1-2-3-6	VII E	1-2-3-6	Federal	1-6	23
		11	320.00	Mountainous, rough, steep	1-2-3-6	VII E	1-2-3-6	Federal	1-6	47
		12	640.00	Mountainous, rough, steep	1-2-3-6	VII E	1-2-3-6	Federal	1-6	89
		18	39.30	Mountainous, rough, steep	1	VI F	1	Private	1	8
		26	120.00	Mountainous, rough, steep	1	VII G	1	Private	1	32
		28	80.00	Mountainous, rough, steep	1	VII G	1	Private	1	17
		2	174.00	Mountainous, rough, steep	1	VII VG	1	Private	1-6	54
		4	80.00	Mountainous, rough, steep	1-2-3	VII E	1-2-3	Private	1-6-7	19
		5	80.00	Mountainous, rough, steep	1-2-3	VII E	1-2-3	Private	1-6-7	19
		6	14.06	Mountainous, rough, steep	1-2-3	VII E	1-2-3	Private	1-6	3

-Continued

Table 4.- Description, Area and Classification of Public Domain by Counties within the Marysville Subarea of the Sun River-Teton Area, Montana, 1952 -Continued

Montana Principal Meridian		Subdivision	Acres	General Land Character	Present Land Use	Land Use Capability & Condition	Suitability	Proposed Management	Range Type	Stocking Rate AUMS	
Twp. North	Rge. West										Sec. Sec.
Lewis and Clark County											
13	5	10	80.00	Mountainous, rough, steep	1	VII VG	1	Private	1-6	20	
		20	320.00	Bald mountains	1-2	VII E	1-2	Private	1	57	
		22	120.00	Bald mountains	1-2	VII E	1-2	Private	1	21	
		26	400.00	Bald mountains	1-2	VII E	1-2	Private	1	84	
		28	400.00	Bald mountains	1-2	VII E	1-2	Private	1	86	
		32	80.00	Bald mountains	1-2	VII E	1-2	Private	1	17	
		33	120.00	Bald mountains	1-2	VII E	1-2	Private	1	26	
		34	400.00	Bald mountains	1-2	VII E	1-2	Private	1	118	
		6	171.24	Mountains, rough, steep	1-2-3	VII E	1-2-3-6	Private	Federal	6-7	20
		7	641.60	Mountains, rough, steep	1-2-3	VII E	1-2-3-6	Private	Federal	6-7	75
		8	640.00	Mountains, rough, steep	1-2-3	VII E	1-2-3-6	Private	Federal	6-7	74
		9	120.00	Mountains, rough, steep	1-2-3	VII E	1-2-3-6	Private	Federal	6-7	14
		11	40.00	Mountains, rough, steep	1-2-3	VII E	1-2-3-6	Private	Private	1-6	6
		16	88.63	Mountains, rough, steep	1-2-3	VII E	1-2-3-6	Private	Private	1-6	14
		17	160.00	Mountainous, rough, steep	1-2-3	VII E	1-2-3-6	Private	Federal	1-6-7	19
		18	320.50	Mountainous, rough, steep	1-2-3	VII E	1-2-3-6	Private	Federal	1-6-7	37
22	40.00	Mountainous, rough, steep	1	VII E	1-2-3-6	Private	Private	1-6	6		
30	320.90	Mountainous, rough, steep	1-2-3	VII E	1-2-3	Private	Private	1-6-7	40		
32	40.00	Mountainous, rough, steep	1	VII E	1-2-3	Private	Private	1-6	5		
14	2	2	200.00	Mountainous, rough, steep	1-2-3	VII E	1-2-3	Private	1-6	32	
		6	106.47	Mountainous, rough, steep	1-2-3	VII E	1-2-3	Private	1-6	18	
		8	120.00	Mountainous, rough, steep	1-2-3	VII E	1-2-3	Private	1-6	20	
		12	480.00	Mountainous, rough, steep	1-2-3	VII G	1-2-3	Private	1-6	69	
26	160.00	Mountainous, rough, steep	1-2-3	VII VG	1-2-3-6	Private	Private	1	20		
28	320.00	Mountainous, rough, steep	1-2-3	VII VG	1-2-3-6	Private	Private	1-6	24		
32	160.00	Mountainous, rough, steep	1-2-3	VII VG	1-2-3-6	Private	Private	1-6	16		
34	560.00	Mountainous, rough, steep	1-2-3	VII VG	1-2-3-6	Private	Private	1-6	46		
6	58.01	Mountainous, rough, steep	1-2-3	VII E	1-2-3	Private	Private	1	8		
8	40.00	Mountainous, rough, steep	1-2-3	VII VG	1-2-3	Private	Private	6	4		

-Continued

Table 4.- Description, Area and Classification of Public Domain by Counties within the Marysville Subarea of the Sun River-Teton Area, Montana, 1952 -Continued

Montana Principal Meridian		Subdivision	Acres	General Land Character	Present Land Use	Land Use Capability & Condition	Suitability	Proposed Management	Range Type	Stocking Rate AUMS
Twp. North	Rge. West Sec.									
Lewis and Clark County										
14	3	NE $\frac{1}{4}$ SE $\frac{1}{4}$, W $\frac{1}{2}$ SE $\frac{1}{4}$, NE $\frac{1}{4}$ SW $\frac{1}{4}$	160.00	Mountainous, rough, steep	1-2-3	VII VG	1-2-3	Private	1-6	31
		S $\frac{1}{2}$ NE $\frac{1}{4}$, N $\frac{1}{2}$ SE $\frac{1}{4}$, S $\frac{1}{2}$ SW $\frac{1}{4}$	400.00	Mountainous, rough, steep	1-2-3-6	VII E	1-2-3-6	Federal	1-6-8	34
		NE $\frac{1}{4}$ SE $\frac{1}{4}$	40.00	Mountainous, rough, steep	1-2-3	VIII VG	1-2-3	Private	1	4
		NE $\frac{1}{4}$ NE $\frac{1}{4}$, NE $\frac{1}{4}$ SE $\frac{1}{4}$	80.00	Mountainous, rough, steep	1-2-3	VIII G	1-2-3	Private	1	6
		W $\frac{1}{2}$ NE $\frac{1}{4}$, NW $\frac{1}{4}$, W $\frac{1}{2}$ SW $\frac{1}{4}$	320.00	Mountainous, rough, steep	1-2-3-6	VII E	1-2-3-6	Federal	1-6	34
		ALL	609.76	Mountainous, rough, steep	1-2-3-6	VII E	1-2-3-6	Federal	1-6	62
		ALL	640.00	Mountainous, rough, steep	1-2-3-6	VII E	1-2-3-6	Federal	1-6	64
		ALL	640.00	Mountainous, rough, steep	1-2-3-6-8	VII E	1-2-3-6	Federal	1-6	64
		SW $\frac{1}{4}$ SW $\frac{1}{4}$	40.00	Mountainous, rough, steep	1-2-3-6	VII E	1-2-3-6	Federal	1-6	4
4	4	Lot 4, SE $\frac{1}{4}$ SE $\frac{1}{4}$	76.56	Mountainous, rough, steep	1	VII E	1	Private	1-6	15
		NE $\frac{1}{4}$ NE $\frac{1}{4}$	40.00	Mountainous, rough, steep	1	VII E	1	Private	1-6	8
		SE $\frac{1}{4}$ NE $\frac{1}{4}$	40.00	Mountainous, rough, steep	1	VII E	1	Private	1-6	8
		SE $\frac{1}{4}$	160.00	Mountainous, rough, steep	1-2-3	VII E	1-2-3-6	Federal	1-6	16
		W $\frac{1}{2}$ SW $\frac{1}{4}$, SE $\frac{1}{4}$ SW $\frac{1}{4}$, E $\frac{1}{2}$ NE $\frac{1}{4}$, W $\frac{1}{2}$ NE $\frac{1}{4}$, N $\frac{1}{2}$ NE $\frac{1}{4}$, SW $\frac{1}{4}$ NE $\frac{1}{4}$, SE $\frac{1}{4}$	200.00	Mountainous, rough, steep	1-2-3	VII E	1-2-3-6	Federal	1-6	28
		SE $\frac{1}{4}$	440.00	Mountainous, rough, steep	1-2-3	VII E	1-2-3-6	Federal	1-6	55
		N $\frac{1}{2}$, N $\frac{1}{2}$ S $\frac{1}{2}$, SW $\frac{1}{4}$ SW $\frac{1}{4}$, SE $\frac{1}{4}$ SE $\frac{1}{4}$	560.00	Mountainous, rough, steep	1-2-3	VII E	1-2-3-6	Federal	1-6	45
5	2	ALL	634.00	Mountainous, rough, steep	1-2-3	VII VG	1-2-3-6	Federal	1-6	72
		N $\frac{1}{2}$, SW $\frac{1}{4}$, W $\frac{1}{2}$ SE $\frac{1}{4}$	557.44	Mountainous, rough, steep	1-2-3	VII VG	1-2-3-6	Federal	1-6-7	44
		E $\frac{1}{2}$, E $\frac{1}{2}$ W $\frac{1}{2}$	478.53	Mountainous, rough, steep	1-2-3	VII VG	1-2-3-6	Federal	1-6-7	56
		ALL	640.00	Mountainous, rough, steep	1-2-3	VII VG	1-2-3-6	Federal	1-6-7	66
		NE $\frac{1}{4}$, NE $\frac{1}{4}$ SE $\frac{1}{4}$	200.00	Mountainous, rough, steep	1-2-3	VII VG	1-2-3-6	Federal	1-6-7	23
		SE $\frac{1}{4}$ NE $\frac{1}{4}$, S $\frac{1}{2}$ SE $\frac{1}{4}$, S $\frac{1}{2}$ NW $\frac{1}{4}$, SW $\frac{1}{4}$	360.00	Mountainous, rough, steep	1-2-3	VII VG	1-2-3-6	Federal	1-6-7	42
		N $\frac{1}{2}$ N $\frac{1}{2}$, SE $\frac{1}{4}$ NE $\frac{1}{4}$, SW $\frac{1}{4}$ NW $\frac{1}{4}$, W $\frac{1}{2}$ SW $\frac{1}{4}$	320.00	Mountainous, rough, steep	1-2-3	VII VG	1-2-3-6	Federal	1-6-7	37
		E $\frac{1}{2}$	320.00	Mountainous, rough, steep	1-2-3	VII VG	1-2-3-6	Federal	1-6-7	31
		ALL	640.00	Mountainous, rough, steep	1-2-3	VII VG	1-2-3-6	Federal	1-6-7	80
		W $\frac{1}{2}$ NE $\frac{1}{4}$, NW $\frac{1}{4}$, NW $\frac{1}{4}$ SW $\frac{1}{4}$	280.00	Mountainous, rough, steep	1-2-3	VII VG	1-2-3-6	Federal	1-6-7	51
		N $\frac{1}{2}$ NE $\frac{1}{4}$, E $\frac{1}{2}$ NW $\frac{1}{4}$	160.00	Mountainous, rough, steep	1-2-3	VII VG	1-2-3-6	Federal	1-6	32
		Lots 3, 4	75.60	Mountainous, rough, steep	1-2-3	VII VG	1-2-3-6	Federal	1-6	14
		ALL	640.00	Mountainous, rough, steep	1-2-3	VII VG	1-2-3-6	Federal	1-6	110
15	2	Lots 1, 2, 3, S $\frac{1}{2}$ NE $\frac{1}{4}$	213.73	Mountainous, rough, steep	1	VII G	1	Private	1-6-7	33

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Table 4.- Description, Area and Classification of Public Domain by Counties within the Marysville Subarea of the Sun River-Teton Area, Montana, 1952 -Continued

Montana Principal Meridian		Subdivision	Acres	General Land Character	Present Land Use	Land Use Capability & Condition	Suitability	Proposed Management	Range Type	Stocking Rate ADHS	
Twp. North	Rge. West										Sec. East
Lewis and Clark County	15	2	330.40	Mountainous, rough, steep	1	VII G	1	Private	1-6-7	39	
		4	480.00	Mountainous, rough, steep	1-2-3	VII E	1-2-3	Private	1-6-7	40	
		12	640.00	Mountainous, rough, steep	1-2-3	VII E	VII E	1-2-3	Private	1-6-7	45
		13	320.00	Mountainous, rough, steep	1	VII E	VII E	1-2-3	Private	1-6-7	36
		26	80.00	Mountainous, rough, steep	1-2-3	VII E	VII E	1-2-3	Private	1-6	14
		32	324.64	Mountainous, rough, steep	1-2-3	VII VG	VII VG	1-2-3	Private	1-6	43
		22	150.66	Mountainous, rough, steep	1-2-3	VII E	VII E	1-2-3	Private	1-6	16
		4	312.61	Mountainous, rough, steep	1-2-3	VII E	VII E	1-2-3	Private	6	31
		5	40.00	Mountainous, rough, steep	1-2-3	VII E	VII E	1-2-3	Private	1-6-7	5
		6	240.00	Mountainous, rough, steep	1-2-3	VII E	VII E	1-2-3	Private	6	25
		8	160.00	Mountainous, rough, steep	1-2-3	VII E	VII E	1-2-3	Private	6-7	18
		10	160.00	Mountainous, rough, steep	1-2-3	VII E	VII E	1-2-3	Private	1-6-7	19
		14	160.00	Mountainous, rough, steep	1-2-3	VII E	VII E	1-2-3	Federal	6-7	19
		18	200.00	Mountainous, rough, steep	1-2-3	VII E	VII E	1-2-3	Private	1-6-7	18
		20	640.00	Mountainous, rough, steep	1-2-3	VII E	VII E	1-2-3-6	Federal	6-7	37
		22	160.00	Mountainous, rough, steep	1-2-3	VII E	VII E	1-2-3-6	Federal	6-7	16
		23	400.00	Mountainous, rough, steep	1-2-3	VII E	VII E	1-2-3-6	Federal	6-7	43
		24	240.00	Mountainous, rough, steep	1-2-3	VII E	VII E	1-2-3-6	Federal	6-7	28
		26	480.00	Mountainous, rough, steep	1-2-3	VII E	VII E	1-2-3-6	Federal	6-7	38
		16	2	28	640.00	Mountainous, rough, steep	1-2-3	VII E	1-2-3-6	Federal	6-7
30	240.00			Mountainous, rough, steep	1-2-3	VII E	1-2-3-6	Federal	6-7	20	
32	640.00			Mountainous, rough, steep	1-2-3	VII E	VII E	1-2-3-6	Federal	6-7	51
34	640.00			Mountainous, rough, steep	1-2-3	VII E	VII E	1-2-3-6	Federal	6-7	51
22	320.00			Mountainous, rough, steep	1-2-3	VII E	VII E	1-2-3-6	Federal	1-6-7	30
24	640.00			Mountainous, rough, steep	1-2-3	VII E	VII E	1-2-3-6	Federal	1-6-7	50
30	77.60			Rough, steeply rolling	1-2-3	VII E	VII E	1-2-3-6	Federal	1-6-7	9
4	445.24			Rough, steeply rolling	1-2	VI VG	VI VG	1-2-3-6	Federal	1-8	117
24	64.28			Rough, steeply rolling	1	VII VG	VII VG	1-2-3-6	Federal	1-8	11
26	88.18			Rough, steeply rolling	1-2	VII VG	VII VG	1-2-3-6	Federal	1-8	20
4	280.00	Steeply rolling, lava boulders	1	VI E	VI E	1	Private	1	74		

-Continued

Table 4.- Description, Area and Classification of Public Domain by Counties within the Marysville Subarea of the Sun River-Teton Area, Montana, 1952 -Continued

Montana Principal Meridian		Subdivision	Acres	General Land Character	Present Land Use	Land Use Capability & Condition	Suitability	Proposed Management	Range Type	Stocking Rate AUMS																																																																								
Twp. North	Rge. West										Sec. East																																																																							
Lewis and Clark County																																																																																		
16	5	30	Lot 3, NE $\frac{1}{4}$, N $\frac{1}{2}$ SE $\frac{1}{4}$	311.05	Rough, mountainous, steep	1-2	VII E	Private	6-7	25																																																																								
											32	N $\frac{1}{2}$ SW $\frac{1}{4}$, SE $\frac{1}{4}$ SW $\frac{1}{4}$	120.00	Rough, mountainous, steep	1-2	VII E	Private	6-7	12																																																															
																				34	S $\frac{1}{2}$ NE $\frac{1}{4}$, NE $\frac{1}{4}$ SE $\frac{1}{4}$, S $\frac{1}{2}$ S $\frac{1}{2}$	280.00	Rough, mountainous, steep	1-2	VII E	Private	6-7	27																																																						
																													4	Lot 2	37.00	Rough, mountainous, steep	1	VII G	Private	1-6-7	4																																													
																																						20	All	640.00	Rough, mountainous, steep	1-2	VII VG	Federal	1-6-7	96																																				
																																															22	NW $\frac{1}{4}$	160.00	Rough, mountainous, steep	1-2	VI VG	Private	1-6-7	26																											
																																																								26	All	640.00	Rough, mountainous, steep	1-2	VII E	Federal	1-6-7	69																		
																																																																	32	SW $\frac{1}{4}$	160.00	Rough, mountainous, steep	1-2	VII E	Federal	1-6-7	18									
																																																																										33	S $\frac{1}{2}$, S $\frac{1}{2}$ NW $\frac{1}{4}$, SW $\frac{1}{4}$ NE $\frac{1}{4}$	440.00	Rough, mountainous, steep	1-2	VII E	Federal	1-6-7	44
35	All	640.00	Rough, mountainous, steep	1-2	VII E	Federal	1-6-7	73																																																																										
									30	SW $\frac{1}{4}$ SE $\frac{1}{4}$	40.00	Steeply rolling	1	VII VG	Private	1	8																																																																	
																		2	NE $\frac{1}{4}$ SE $\frac{1}{4}$	40.00	Steeply rolling	1	VI F	Private	1	11																																																								
																											28	N $\frac{1}{2}$ NE $\frac{1}{4}$	78.23	Steeply rolling	1	VII E	Private	1	8																																															
																																				Meagher County																																														
																																				13	1E	4	SW $\frac{1}{4}$ SW $\frac{1}{4}$, SW $\frac{1}{4}$ NE $\frac{1}{4}$, SE $\frac{1}{4}$ SE $\frac{1}{4}$, N $\frac{1}{2}$ SE $\frac{1}{4}$	200.00	Rough, mountainous, steep	1-2-3	VII G	Private	6-7-8	10																																				
																																															Totals by Counties																																			
																																								Total Acres	Acres by Land Capability Classes			Total AUMS																																						
																																								40	V	VI	VII	VIII	Total AUMS																																					
																																				Broadwater				17,610	80	30	10	1,513	8																																					
Cascade				17,306		4,821	11,196	3,124																												1,652																																														
Jefferson				76,956		2,964	11,218	1,899	2,463																																																																									
Lewis and Clark				200		2,955	72,102	6,536	10,476																																																																									
Meagher				112,112	80	10,770	94,726	10	14,609																																																																									
Grand Total																																																																																		

1/ Symbols denote land use and suitability: - 1. Grazing; 2. Wildlife; 3. Watershed; 4. Crop; 5. Mining; 6. Recreation; 8. Adjacent to streams.

2/ Land use capability is explained in table 6. Condition is determined by the state of the soil and cover in comparison with the best possible for the site. Vegetative cover and erosion are the principal factors in this determination. F is excellent condition, VG is very good, G is good, F is fair, and P is poor condition.

3/ Vegetative cover types are designated by the following numbers: 1. Grass; 4. Sage; 6. Coniferous supporting grass and browse; 7. Waste, dense timber; 8. Barren.

4/ The proper stocking rate for each tract of land as described is given in this column in animal unit months. All information has been compiled from field investigations, Bureau of Land Management records and from records of the several counties.

DISPOSAL SUBAREA

The Disposal subarea is the eastern portion of the Sun River-Teton area. Most of the area is in Cascade County, only portions of Meagher, Chouteau, Teton, Lewis and Clark, and Judith Basin Counties being included. This area includes the drainage of the Missouri River from Fort Benton to Cascade, extending westward to the boundary of the Sun River subarea. The plains portion of the drainages of the Sun and Teton Rivers are included. The Smith River drainage is also within the area. Most of this area is rolling plains, mountains being restricted to the southern portion and to the Highwood Mountains on the eastern border.

This subarea covers a total of 4,931,882 acres. Ownership of the bulk of the land in the area is private, 81 percent being in this status. National Forest lands make up 13 percent, or 619,952 acres of the area. State lands cover 5 percent, or 246,357 acres. Included therein is less than 1 percent, or only 36,079 acres of public domain lands. Additional Federal lands in the subarea are: reclamation withdrawal, 1,240 acres; power site withdrawal, 2,191 acres; and Benton Lake National Wildlife Refuge, 12,235 acres. These Federal lands, combined with public domain, make up one percent of the area.

The 36,079 acres of public domain is widely scattered over the entire area in tracts of from less than one acre to a maximum of 760 acres. These lands are all valuable only for grazing and fall in the following land capability classes: 9,053 acres, or 25 percent is in class VI; 24,708 acres, or 69 percent, is in class VII; and 2,318 acres, or 6 percent, is in capability class VIII. A total of 18,474 acres of public domain lands in the subarea, or 51 percent, is in good condition; 10,771 acres, or 30 percent, is in very good condition, and 6,834, or 19 percent, is in excellent condition. All the public domain lands in this area are in the grass, grass weed, and grass brush type. There are 6,096 animal unit months of forage available to livestock or an average of 5.9 acres per animal unit month.

The detailed classification of each tract of public domain land in the Disposal subarea is summarized in table 5 along with the description and location of each tract. The map with this report depicts the location of each tract of public domain. These lands are not needed in any public land program and there is no need for them to remain in Federal ownership. Their disposal to private owners may be in the best public interests and will not create any public land problems or adversely effect the local

economy. It is recommended that these isolated tracts be classified as suitable for disposal and offered for exchange, transfer or public sale. Much of the public domain in Cascade and Teton Counties is being considered for selection for exchange by the State of Montana. There is one tract of public land on Smith River which contains about ten acres suitable for cabin sites.

Table 5.- Description, Area and Classification of Public Domain by Counties within the Disposal Subarea of the Sun River-Teton Area, Montana, 1952

Montana Principal Meridian		Subdivision	Acres	General Land Character	Present Land Use	Land Use Capability & Condition	Suitability	Proposed Management	Range Type	Stocking Rate AUMS
Twp. North	Rge. Sec.									
Cascade County										
15	2E	24	160.00	Steeply rolling, rough	1	VII G	1	Private	1	20
	3E	4	120.00	Steeply rolling, rough	1	VI G	1	Private	1	41
	4E	18	146.00	Steeply rolling, rocky	1	VII G	1	Private	1	6
		19	11.69	Steeply rolling, rough	1	VI G	1	Federal	1	6
	3E	12	161.61	Mountainous, rough, rocky	1-2-3	VI G	1-2-3	Federal	1-6-7	15
16			120.00	Mountainous, rough, steep, rocky	1-2-3	VII G	2-3-6-8	Federal	1-6-7-8	5
	4E	2	80.00	Mountainous, rough, steep, rocky	6-8	VIII G	1-3-6-8	Private	1-6-7	10
		8	80.00	Mountainous, rough, steep, rocky	1-2-3	VIII G	1-3-6-8	Private	1-6-7	20
		10	160.00	Mountainous, rough, steep, rocky	6-8	VII G	1	Private	1	50
		13	160.00	Mountainous, rough, steep, rocky	1-3	VII G	1	Private	1	20
	3E	14	160.00	Mountainous, rough, steep, rocky	1-3	VII G	1	Private	1-6-7	20
		15	160.00	Mountainous, rough, steep, rocky	1-3	VII G	1	Private	1-6-7	30
		22	240.00	Mountainous, rough, steep, rocky	1-3	VII G	1	Private	1-6-7-8	25
		23	160.00	Mountainous, rough, steep, rocky	1-3	VII E	1	Private	1-6-7-8	40
		24	80.00	Mountainous, rough, steep, rocky	1	VII E	1	Private	1	10
		28	640.00	Mountainous, rough, steep, rocky	1	VIII E	1	Private	1-6	40
		30	310.30	Mountainous, rough, steep, rocky	1	VIII E	1	Private	1-6	20
	5E	8	40.00	Rough to steeply rolling	1	VII G	1	Private	1-6	5

Table 5.- Description, Area and Classification of Public Domain by Counties within the Disposal Subarea of the Sun River-Teton Area, Montana, 1952 -Continued

Montana Principal Meridian		Subdivision	Acres	General Land Character	Present Land Use	Land Use Capability & Condition	Suitability	Proposed Management	Range Type	Stocking Rate AUMS
Twp. North	Rge. Sec.									
Cascade County	19	14 SW ¹ / ₄ NE ¹ / ₄	40.00	Steeply rolling	1	VII VG	1	Private	1	5
		34 SW ¹ / ₄ NE ¹ / ₄	40.00	Steeply rolling	1	VII VG	1	Private	1	6
	3W	12 SE ¹ / ₄ SE ¹ / ₄	40.00	Steeply rolling	1	VI E	1	Private	1	10
		14 NE ¹ / ₄ NE ¹ / ₄	80.00	Steeply rolling	1	VII E	1	Private	1	25
	20	5 Lot 2	41.05	Steeply rolling	1	VII VG	1	Private	1	15
		19 Lot 4	34.15	Steeply rolling	1	VII G	1	Private	1	10
	27	19 NE ¹ / ₄ NE ¹ / ₄	40.00	Steeply rolling	1	VI G	1	Private	1	11
		34 SW ¹ / ₄ NE ¹ / ₄	40.00	Steeply rolling	1	VI G	1	Private	1	8
	24	24 W ¹ / ₂ SE ¹ / ₄	80.00	Steeply rolling	1	VII G	1	Private	1	20
		34 SE ¹ / ₄ NW ¹ / ₄	40.00	Steeply rolling	1	VII G	1	Private	1	6
3W	8 NE ¹ / ₄ SE ¹ / ₄	40.00	Steeply rolling	1	VI VG	1	Private	1	8	
	18 Lots 1, 2, 3, 4	55.36	Steeply rolling	1	VI E	1	Private	1	11	
20	20 NW ¹ / ₄	160.00	Steeply rolling	1	VII E	1	Private	1	30	
	24 Lot 1	9.51	Steeply rolling	1	VI E	1	Private	1	3	
21	11 NE ¹ / ₄ NW ¹ / ₄ , NW ¹ / ₄ NE ¹ / ₄	80.00	Steeply rolling	1	VI E	1	Private	1	25	
	31 E ¹ / ₂ SW ¹ / ₄ , NW ¹ / ₄ SE ¹ / ₄	120.00	Steeply rolling	1	VI E	1	Private	1	40	
32	32 SW ¹ / ₄ NW ¹ / ₄ , NW ¹ / ₄ SW ¹ / ₄ , SE ¹ / ₄ NW ¹ / ₄ , W ¹ / ₂ SE ¹ / ₄	240.00	Steeply rolling	1	VI E	1	Private	1	48	
	3 SW ¹ / ₄ NW ¹ / ₄	40.00	Steeply rolling	1	VI E	1	Private	1	10	
2E	4 W ¹ / ₂ SW ¹ / ₄	80.00	Steeply rolling	1	VI E	1	Private	1	20	
	6 Lot 2	40.46	Steeply rolling	1	VI E	1	Private	1	10	
5E	2 Lot 3	79.73	Steeply rolling	1	VII E	1	Private	1	12	
	17 SW ¹ / ₄ SW ¹ / ₄	40.00	Steeply rolling	1	VII E	1	Private	1	10	
6E	18 NE ¹ / ₄ SE ¹ / ₄	40.00	Steeply rolling	1	VII E	1	Private	1	10	
	20 SE ¹ / ₄ SE ¹ / ₄	40.00	Steeply rolling	1	VII E	1	Private	1	16	
1W	13 SE ¹ / ₄ NE ¹ / ₄	40.00	Steeply rolling	1	VI E	1	Private	1	8	
	14 NW ¹ / ₄ SE ¹ / ₄	40.00	Gently to steeply rolling	1	VII G	1	Private	1	8	
21	21 W ¹ / ₂ , W ¹ / ₂ E ¹ / ₄	480.00	Gently to steeply rolling	1	VII G	1	Private	1	140	
	23 E ¹ / ₂ NW ¹ / ₄	80.00	Gently to steeply rolling	1	VI G	1	Private	1	20	
26	26 NE ¹ / ₄ NE ¹ / ₄	40.00	Gently to steeply rolling	1	VI G	1	Private	1	15	
	7 Lot 4, E ¹ / ₂ SW ¹ / ₄ , SE ¹ / ₄	280.40	Gently to steeply rolling	1	VI G	1	Private	1	75	
2W	8 SW ¹ / ₄ SE ¹ / ₄	40.00	Gently to steeply rolling	1	VI G	1	Private	1	8	
	17 NE ¹ / ₄ NE ¹ / ₄ , SE ¹ / ₄ NE ¹ / ₄	160.00	Gently to steeply rolling	1	VI G	1	Private	1	44	
32	32 NE ¹ / ₄ SE ¹ / ₄	40.00	Gently to steeply rolling	1	VI G	1	Private	1	8	
	19 NW ¹ / ₄ NW ¹ / ₄ , SE ¹ / ₄ SW ¹ / ₄	40.00	Gently to steeply rolling	1	VI G	1	Private	1	15	

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Table 5.- Description, Area and Classification of Public Domain by Counties within the Disposal Subarea of the Sun River-Teton Area, Montana, 1952 -Continued

Montana Principal Meridian		Subdivision	Acres	General Land Character	Present Land Use	Land Use Capability & Condition	Suitability	Proposed Management	Range Type	Stocking Rate AUMS
Twp. North	Rge. Sec.									
Cascade County										
22	1E	29	40.00	Gently to steeply rolling	1	VI G	1	Private	1	10
	2E	31	80.00	Gently to steeply rolling	1	VI G	1	Private	1	26
		33	80.00	Gently to steeply rolling	1	VI G	1	Private	1	18
	3E	34	80.00	Gently to steeply rolling	1	VI G	1	Private	1	20
		6	39.37	Gently to steeply rolling	1	VI G	1	Private	1	15
	5E	9	40.00	Gently to steeply rolling	1	VI G	1	Private	1	16
		10	80.00	Gently to steeply rolling	1	VII G	1	Private	1	26
		13	40.00	Gently to steeply rolling	1	VII G	1	Private	1	5
		22	80.00	Gently to steeply rolling	1	VII G	1	Private	1	12
		23	40.00	Gently to steeply rolling	1	VII G	1	Private	1	6
		24	240.00	Gently to steeply rolling	1	VII G	1	Private	1	36
		25	120.00	Gently to steeply rolling	1	VII G	1	Private	1	14
		26	120.00	Gently to steeply rolling	1	VII G	1	Private	1	15
		27								
		28	160.00	Gently to steeply rolling	1	VII G	1	Private	1	15
		33	40.00	Gently to steeply rolling	1	VII G	1	Private	1	4
		34	120.00	Gently to steeply rolling	1	VII G	1	Private	1	4
		35	40.00	Gently to steeply rolling	1	VII G	1	Private	1	16
Chouteau County										
20	8E	1	121.83	Rough, mountainous, steep, rocky	1	VII VG	1	Private	1	30
		2	122.88	Rough mountainous, steep, rocky	1	VII VG	1	Private	1	30
		3	45.68	Rough mountainous, steep, rocky	1	VII G	1	Private	1	10
		4	43.96	Rough mountainous, steep, rocky	1	VII G	1	Private	1	8
		33	40.00	Rough mountainous, steep, rocky	1	VII VG	1	Private	1	4
	9E	6	40.00	Rough mountainous, steep, rocky	1	VII VG	1	Private	1	4
21	6E	22	200.00	Rough mountainous, steep, rocky	1	VII E	1	Private	1	42

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Table 5.- Description, Area and Classification of Public Domain by Counties within the Disposal Subarea of the Sun River-Teton Area, Montana, 1952 -Continued

Montana Principal Meridian		Subdivision	Acres	General Land Character	Present Land Use	Land Use Capability & Condition	Suitability	Proposed Management	Range Type	Stocking Rate AUMS
Twp. North	Rge. East									
Chouteau County										
21	7	6	39.97	Rough mountainous, steep, rocky	1	VI E	1	Private	1	7
		24	40.00	Rough mountainous, steep, rocky	1	VI E	1	Private	1	10
		32	80.00	Rough mountainous, steep, rocky	1	VI VG	1	Private	1	18
		8	80.00	Rough mountainous, steep, rocky	1	VI, VII VG	1	Private	1	15
		5	40.00	Rough mountainous, steep, rocky	1	VI, VII VG	1	Private	1	5
		15	80.00	Gently to steeply rolling	1	VII VG	1	Private	1	10
		17	120.00	Gently to steeply rolling	1	VII VG	1	Private	1	15
		19	160.00	Gently to steeply rolling	1	VII VG	1	Private	1	25
		23	120.00	Gently to steeply rolling	1	VII VG	1	Private	1	19
		25	160.00	Gently to steeply rolling	1	VII G	1	Private	1	23
22	6	29	40.00	Gently to steeply rolling	1	VII G	1	Private	1	6
		30	40.00	Gently to steeply rolling	1	VII G	1	Private	1	6
		20	80.00	Gently to steeply rolling	1	VII VG	1	Private	1	12
		1	40.00	Gently to steeply rolling	1	VII VG	1	Private	1	12
		13	40.00	Gently to steeply rolling	1	VII, VIII VG	1	Private	1	12
		24	80.00	Gently to steeply rolling	1	VII, VIII G	1	Private	1	5
		25	40.00	Gently to steeply rolling	1	VII, VIII G	1	Private	1	5
		26	40.00	Gently to steeply rolling	1	VII, VIII G	1	Private	1	5
		35	120.00	Gently to steeply rolling	1	VII G	1	Private	1	4
		8	320.00	Gently to steeply rolling	1	VII, VIII G	1	Private	1	18
23	7	12	320.00	Gently to steeply rolling	1	VII G	1	Private	1	32
		13	200.00	Gently to steeply rolling	1	VII G	1	Private	1	24
		14	200.00	Gently to steeply rolling	1	VII G	1	Private	1	24
		15	280.00	Gently to steeply rolling	1	VII G	1	Private	1	24
		23	40.00	Gently to steeply rolling	1	VII, VIII G	1	Private	1	31
		24	120.00	Gently to steeply rolling	1	VII G	1	Private	1	14
26	40.00	Gently to steeply rolling	1	VII G	1	Private	1	17		
26	40.00	Gently to steeply rolling	1	VII G	1	Private	1	7		

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Table 5.- Description, Area and Classification of Public Domain by Counties within the Disposal Subarea of the Sun River-Teton Area, Montana, 1952 -Continued

Montana Principal Meridian		Subdivision	Acres	General Land Character	Present Land Use	Land Use Capability & Condition	Suitability	Proposed Management	Range Type	Stocking Rate AUMS
Twp. North	Rge. East									
Chouteau County										
23	8	3	40.00	Gently to steeply rolling	1	VII G	1	Private	1	3
		7	211.88	Gently to steeply rolling	1	VII, VIII G	1	Private	1	34
		9	160.00	Gently to steeply rolling	1	VII E	1	Private	1	7
		10	120.00	Gently to steeply rolling	1	VII E	1	Private	1	17
		13	40.00	Gently to steeply rolling	1	VII G	1	Private	1	6
		14	80.00	Gently to steeply rolling	1	VII G	1	Private	1	13
		15	280.00	Gently to steeply rolling	1	VII G	1	Private	1	29
		18	162.40	Gently to steeply rolling	1	VII, VIII VG	1	Private	1	29
		23	80.00	Gently to steeply rolling	1	VI F	1	Private	1	10
		24	40.00	Gently to steeply rolling	1	VI G	1	Private	1	14
		25	120.00	Gently to steeply rolling	1	VI G	1	Private	1	14
		5	35.50	Gently to steeply rolling	1	VI G	1	Private	1	10
		10	40.00	Gently to steeply rolling	1	VI G	1	Private	1	14
		11	40.00	Gently to steeply rolling	1	VI G	1	Private	1	14
		2	40.00	Gently to steeply rolling	1	VI G	1	Private	1	14
		3	160.00	Gently to steeply rolling	1	VII VG	1	Private	1	7
		4	120.00	Gently to steeply rolling	1	VII VG	1	Private	1	50
		9	80.00	Gently to steeply rolling	1	VII G	1	Private	1	18
24	8	9	120.00	Gently to steeply rolling	1	VII G	1	Private	1	8
		11	320.00	Gently to steeply rolling	1	VII G	1	Private	1	16
		12	80.00	Gently to steeply rolling	1	VII G	1	Private	1	48
		14	80.00	Gently to steeply rolling	1	VII G	1	Private	1	16
		4	125.78	Gently to steeply rolling	1	VII E	1	Private	1	23
		7	153.13	Gently to steeply rolling	1	VII E	1	Private	1	28
		35	40.00	Gently to steeply rolling	1	VII VG	1	Private	1	4
		2	80.00	Rough, rolling, badland type	1	VII G	1	Private	1	12
		3	40.00	Rough, rolling, badland type	1	VII G	1	Private	1	6
		11	360.00	Rough, rolling, badland type	1	VII G	1	Private	1	55
		12	40.00	Rough, rolling, badland type	1	VII G	1	Private	1	5

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Table 5.- Description, Area and Classification of Public Domain by Counties within the Disposal Subarea of the Sun River-Teton Area, Montana, 1982 -Continued

Montana Principal Meridian		Subdivision	Acres	General Land Character	Present Land Use	Land Use Capability & Condition	Suitability	Proposed Management	Range Type	Stocking Rate AUMS
Twp. North	Rge. East									
Chouteau County										
24	9	15	80.00	Rough, rolling, badland type	1	VII G	1	Private	1	12
		19	72.73	Rough, rolling, badland type	1	VII G	1	Private	1	12
25	3	23	80.00	Rough, rolling, badland type	1	VII G	1	Private	1	16
		30	40.00	Rough, rolling, badland type	1	VII G	1	Private	1	8
		15	40.00	Rough, rolling, badland type	1	VII G	1	Private	1	8
		17	160.00	Rough, rolling, badland type	1	VI, VII G	1	Private	1	30
		18		Lots 1, 4, NE 1/4NW 1/4, NW 1/4NE 1/4, SE 1/4NW 1/4, SE 1/4SW 1/4	1	VI, VII G	1	Private	1	48
		20	239.69	Rough, rolling, badland type	1	VI, VII G	1	Private	1	32
26	26	22	160.00	Rough, rolling, badland type	1	VI, VII G	1	Private	1	65
		25	320.00	Rough, rolling, badland type	1	VI, VII G	1	Private	1	7
		26	40.00	Rough, rolling, badland type	1	VII G	1	Private	1	7
		29	40.00	Rough, rolling, badland type	1	VII G	1	Private	1	9
		23	80.00	Rough, rolling, badland type	1	VI, VII G	1	Private	1	16
		13	40.00	Steeply to gently rolling	1	VI G	1	Private	1	13
		23		E 1/2NE 1/4, NW 1/4SE 1/4, SW 1/4SW 1/4	1	VI G	1	Private	1	40
		34	160.00	Steeply to gently rolling	1	VII G	1	Private	1	10
		15	160.00	Steeply to gently rolling	1	VI VG	1	Private	1	45
		22	80.00	Steeply to gently rolling	1	VII VG	1	Private	1	14
27	27	22	40.00	Steeply to gently rolling	1	VII VG	1	Private	1	8
		26	40.00	Steeply to gently rolling	1	VII VG	1	Private	1	10
		27	40.00	Steeply to gently rolling	1	VII VG	1	Private	1	11
		28	40.00	Steeply to gently rolling	1	VI VG	1	Private	1	14
		29	40.00	Steeply to gently rolling	1	VII VG	1	Private	1	5
		30	40.00	Steeply to gently rolling	1	VII VG	1	Private	1	8
7	7	22	80.00	Steeply to gently rolling	1	VI G	1	Private	1	24
		27	40.00	Steeply to gently rolling	1	VI G	1	Private	1	15
		28		N 1/2SW 1/4, SW 1/4SW 1/4, SE 1/4SE 1/4	1	VII G	1	Private	1	40
33	160.00	Steeply to gently rolling	1	VII G	1	Private	1	6		
34	40.00	Steeply to gently rolling	1	VII G	1	Private	1	5		

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Table 5.- Description, Area and Classification of Public Domain by Counties within the Disposal Subarea of the Sun River-Teton Area, Montana, 1952 -Continued

Montana Principal Meridian		Subdivision	Acres	General Land Character	Present Land Use	Land Use Capability & Condition	Suitability	Proposed Management	Range Type	Stocking Rate AUMS	
Twp. North	Rge. East										Sec.
Chouteau County											
25	8	25	NE $\frac{1}{4}$ SE $\frac{1}{4}$, S $\frac{1}{2}$ SE $\frac{1}{4}$, SE $\frac{1}{4}$ SW $\frac{1}{4}$	160.00	Rough, broken badlands	1	VII G	1	Private	1-6	25
		26	SW $\frac{1}{4}$ SW $\frac{1}{4}$	40.00	Rough, broken badlands	1	VI, VII G	1	Private	1-6	5
		33	E $\frac{1}{2}$ SE $\frac{1}{4}$	80.00	Rough, broken badlands	1	VI, VII G	1	Private	1-6-7-8	11
		34	S $\frac{1}{2}$ SE $\frac{1}{4}$, NE $\frac{1}{4}$ SE $\frac{1}{4}$, E $\frac{1}{2}$ NE $\frac{1}{4}$	280.00	Rough, broken badlands	1	VII G	1	Private	1-6-7-8	38
		35	W $\frac{1}{2}$ NE $\frac{1}{4}$, NE $\frac{1}{4}$ NE $\frac{1}{4}$, S $\frac{1}{2}$ NE $\frac{1}{4}$, N $\frac{1}{2}$ SE $\frac{1}{4}$, S $\frac{1}{2}$ SE $\frac{1}{4}$	520.00	Rough, broken badlands	1	VI, VII G	1	Private	1-6-7-8	73
26	7	18	NE $\frac{1}{4}$ NW $\frac{1}{4}$	40.00	Rough, broken badlands	1	VII G	1	Private	1-6	11
Judith Basin County											
16	8	4	SE $\frac{1}{4}$ SE $\frac{1}{4}$	40.00	Rough, mountainous, rocky	1	VII G	1	Private	1-6	6
		7	Lot 2	33.55	Rough, mountainous, rocky	1	VII G	1	Private	1-6	5
		8	S $\frac{1}{2}$ SE $\frac{1}{4}$ NE $\frac{1}{4}$	20.00	Rough, mountainous, rocky	1	VII G	1	Private	1-6-7-8	4
		11	SW $\frac{1}{4}$ NW $\frac{1}{4}$, NW $\frac{1}{4}$ SW $\frac{1}{4}$	80.00	Rough, mountainous, rocky	1	VII, VIII VG	1	Private	1-6-7-8	8
		20	SW $\frac{1}{4}$ NW $\frac{1}{4}$	40.00	Rough, mountainous, rocky	1	VII, VG	1	Private	1-6-7-8	6
		26	NW $\frac{1}{4}$, W $\frac{1}{2}$ NE $\frac{1}{4}$, SE $\frac{1}{4}$ NE $\frac{1}{4}$	280.00	Rough, mountainous, rocky	1-2-3	VII E	1-2-3	Federal	1-6-7-8	70
	9	30	Lots 5, 6, 7, 8	148.94	Rough, mountainous, rocky	1-2-3	VII G	1-2-3	Federal	1-6-7-8	27
		31	Lots 2 to 14, inc., E $\frac{1}{2}$ NW $\frac{1}{4}$	567.61	Rough, mountainous, rocky	1-2-3	VII G	1-2-3	Federal	1-6-7-8	46
17	8	8	NE $\frac{1}{4}$ SE $\frac{1}{4}$, SW $\frac{1}{4}$ SE $\frac{1}{4}$, SE $\frac{1}{4}$ SW $\frac{1}{4}$	120.00	Rough, mountainous, rocky	1-2-3	VII, VIII G	1-2-3	Private	1-6-7-8	8
		34	S $\frac{1}{2}$ NE $\frac{1}{4}$, W $\frac{1}{2}$ SE $\frac{1}{4}$, SW $\frac{1}{4}$	400.00	Rough, mountainous, rocky	1-2-3	VII E	1-2-3	Private	1-6-7-8	20
Lewis and Clark County											
20	SW	4	SW $\frac{1}{4}$ SE $\frac{1}{4}$	40.00	Steeply rolling	1-2	VII G	1-2	Private	1-6	6
		18	E $\frac{1}{2}$ NE $\frac{1}{4}$	80.00	Steeply rolling	1	VI G	1	Private	1-6	18
		32	W $\frac{1}{2}$ NW $\frac{1}{4}$	80.00	Steeply rolling	1	VII G	1	Private	1-6	14
Meagher County											
7	6E	14	E $\frac{1}{2}$ E $\frac{1}{2}$	160.00	Gently to steeply rolling	1	VII G	1	Private	4	40
		15	SW $\frac{1}{4}$	160.00	Gently to steeply rolling	1	VI VG	1	Private	4	42
	8E	22	W $\frac{1}{2}$ NW $\frac{1}{4}$	80.00	Gently to steeply rolling	1	VII G	1	Private	4	10

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Table 5.- Description, Area and Classification of Public Domain by Counties within the Disposal Subarea of the Sun River-Teton Area, Montana, 1952 -Continued

Montana Principal Meridian		Subdivision	Acres	General Land Character	Present Land Use	Land Use Capability & Condition	Suitability	Proposed Management	Range Type	Stocking Rate AUMS
Twp. North	Rge. East									
Meagher County										
7	8	30	40.00	Gently to steeply rolling	1	VI VG	1	Private	4	8
8	5	2	79.96	Gently to steeply rolling	1	VII VG	1	Private	1	16
		25	40.00	Gently to steeply rolling	1	VII VG	1	Private	1	8
		26	160.00	Gently to steeply rolling	1	VII VG	1	Private	1	35
	7	20	80.00	Gently to steeply rolling	1	VI VG	1	Private	4	27
		28	120.00	Gently to steeply rolling	1	VI VG	1	Private	4	45
		32	80.00	Gently to steeply rolling	1	VI VG	1	Private	4	25
		34	40.00	Gently to steeply rolling	1	VI VG	1	Private	4	15
9	4	11	20.00	Gently to steeply rolling	1	VI VG	1	Private	1	4
		14	97.16	Gently to steeply rolling	1	VI VG	1	Private	1	14
		15	240.00	Rough, mountainous, rocky	1	VII VG	1-2-3	Private	1-6-7	25
		24	200.00	Gently to steeply rolling	1	VI VG	1	Private	1	65
	5	14	40.00	Gently to steeply rolling	1	VII VG	1	Private	1	8
	6	18	78.89	Gently to steeply rolling	1	VI, VII VG	1	Private	1	17
		20	80.00	Gently to steeply rolling	1	VI VG	1	Private	1	18
		31	80.00	Gently to steeply rolling	1	VI VG	1	Private	1	25
	7	14	40.00	Gently to steeply rolling	1	VI G	1	Private	1	6
10	4	7	34.18	Rough, mountainous, rocky	1	VII VG	1	Private	1	4
		8	61.19	Steeply rolling	1	VII VG	1	Private	1	20
		10	120.00	Steeply rolling	1	VII VG	1	Private	1	24
		18	16.60	Rough, mountainous, rocky	1	VIII VG	1	Private	1	2
		26	160.00	Gently rolling	1	VIII VG	1	Private	1	48
		29	80.00	Rough, mountainous, steep	1-2-3	VII VG	1-2-3	Federal	6-7	14
		32	40.00	Rough, mountainous, steep	1-2-3	VII VG	1-2-3	Federal	6-7	4
	5	2	161.78	Gently to steeply rolling	1	VI E	1	Private	1	40
		4	41.47	Gently to steeply rolling	1	VI E	1	Private	1	11
		10	80.00	Gently to steeply rolling	1	VI E	1	Private	1	22
	6	6	49.18	Gently to steeply rolling	1	VII VG	1	Private	1	12
	7	4	160.00	Gently to steeply rolling	1	VI VG	1	Private	4	29
		5	80.00	Gently to steeply rolling	1	VI VG	1	Private	4-6	18
		24	160.00	Gently to steeply rolling	1	VII VG	1	Private	1	30

-Continued

Table 5.- Description, Area and Classification of Public Domain by Counties within the Disposal Subarea of the Sun River-Teton Area, Montana, 1952 -Continued

Montana Principal Meridian		Subdivision	Acres	General Land Character	Present Land Use	Land Use Capability & Condition	Suitability	Proposed Management	Range Type	Stocking Rate AUMS	
Twp. North	Rge. East										Sec. North
Meagher County											
10	7	26	SE $\frac{1}{4}$ SE $\frac{1}{4}$	40.00	Gently to steeply rolling	1	VII VG	1	Private	1	10
11	3	8	SW $\frac{1}{4}$ NW $\frac{1}{4}$, SW $\frac{1}{4}$	200.00	Rough, mountainous, rocky	1	VI, VII VG	1	Private	1-6	40
	4	19	Lots 1, 2, SE $\frac{1}{4}$ NW $\frac{1}{4}$, NE $\frac{1}{4}$ SW $\frac{1}{4}$	158.23	Gently to steeply rolling	1	VII VG	1	Private	1-6	38
	24		N $\frac{1}{2}$	320.00	Rough, mountainous, rocky	1	VI, VII VG	1	Private	1-6-7	45
	31		NW $\frac{1}{4}$ NE $\frac{1}{4}$	40.00	Steeply rolling	1	VII VG	1	Private	1	25
11	5	30	Lots 1, 2, S $\frac{1}{2}$ SE $\frac{1}{4}$	156.26	Steeply rolling	1	VII E	1	Private	1	24
	7	28	SW $\frac{1}{4}$, SW $\frac{1}{4}$ NW $\frac{1}{4}$	200.00	Rough, mountainous, rocky	1-2-3	VII VG	1-2-3	Federal	1	20
	29		E $\frac{1}{2}$ SE $\frac{1}{4}$	80.00	Rough, mountainous, rocky	1-2-3	VII VG	1-2-3	Federal	1	10
	35		All	640.00	Rough, mountainous, rocky	1-2-3	VII VG	1-2-3	Federal	1	145
	9	19	Lots 1, 2, 3, E $\frac{1}{2}$ W $\frac{1}{2}$, W $\frac{1}{2}$ E $\frac{1}{2}$, NE $\frac{1}{4}$ NE $\frac{1}{4}$	479.86	Rough, mountainous, rocky	1-2-3	VII VG	1-2-3	Federal	1	55
	30		NE $\frac{1}{4}$ E $\frac{1}{2}$ SE $\frac{1}{4}$, SE $\frac{1}{4}$ NW $\frac{1}{4}$, E $\frac{1}{2}$ SW $\frac{1}{4}$	280.00	Rough, mountainous, rocky	1-2-3	VII VG	1-2-3	Federal	1	48
	31		S $\frac{1}{2}$ NW $\frac{1}{4}$, NE $\frac{1}{4}$ NE $\frac{1}{4}$	120.68	Rough, mountainous, rocky	1-2-3	VII VG	1-2-3	Federal	1	24
12	3	6	SE $\frac{1}{4}$ SE $\frac{1}{4}$	40.00	Rough, mountainous, rocky	1	VII G	1-2-3	Private	1	8
	26		N $\frac{1}{2}$	320.00	Rough, mountainous, rocky	1-2-3	VI G	1-2-3	Federal	1-6-7	55
	34		NW $\frac{1}{4}$, N $\frac{1}{2}$ SW $\frac{1}{4}$, SE $\frac{1}{4}$ NE $\frac{1}{4}$, NE $\frac{1}{4}$ SE $\frac{1}{4}$	320.00	Rough, mountainous, rocky	1-2-3	VII VG	1-2-3	Private	1-6-7	75
	4	2	SE $\frac{1}{4}$ NE $\frac{1}{4}$, NE $\frac{1}{4}$ SE $\frac{1}{4}$, W $\frac{1}{2}$ SW $\frac{1}{4}$	160.00	Rough, mountainous, rocky	1-2-3	VII VG	1-2-3	Private	1-6-7	35
	14		SW $\frac{1}{4}$, W $\frac{1}{2}$ SE $\frac{1}{4}$, SW $\frac{1}{4}$ NE $\frac{1}{4}$	280.00	Rough, mountainous, rocky	1-2-3	VII VG	1-2-3	Private	1-6-7	60
	22		N $\frac{1}{2}$, W $\frac{1}{2}$ SW $\frac{1}{4}$, NE $\frac{1}{4}$ SW $\frac{1}{4}$, NW $\frac{1}{4}$ SE $\frac{1}{4}$	480.00	Rough, mountainous, rocky	1-2-3	VII E	1-2-3	Private	1-6	130
	24		E $\frac{1}{2}$ NE $\frac{1}{4}$, SE $\frac{1}{4}$ SW $\frac{1}{4}$	120.00	Rough, mountainous, rocky	1-2-3	VII E	1-2-3	Private	1-6	30
	5	6	Lot 3, SE $\frac{1}{4}$ NE $\frac{1}{4}$, NE $\frac{1}{4}$ SW $\frac{1}{4}$, NE $\frac{1}{4}$ SE $\frac{1}{4}$	159.85	Rough, mountainous, rocky	1	VI, VII E	1	Private	1	26
	10		N $\frac{1}{2}$ NE $\frac{1}{4}$, NE $\frac{1}{4}$ SE $\frac{1}{4}$	160.00	Rough, mountainous, rocky	1	VII E	1	Private	1	34
13	2	20	N $\frac{1}{2}$ NE $\frac{1}{4}$, S $\frac{1}{2}$ SE $\frac{1}{4}$	80.00	Rough, mountainous, rocky	1	VII VG	1	Private	1	12
	22		S $\frac{1}{2}$ NW $\frac{1}{4}$, S $\frac{1}{2}$ SW $\frac{1}{4}$, W $\frac{1}{2}$ SE $\frac{1}{4}$, SE $\frac{1}{4}$ E $\frac{1}{2}$ SW $\frac{1}{4}$, SE $\frac{1}{4}$ NW $\frac{1}{4}$	240.00	Rough, mountainous, rocky	1	VII VG	1	Private	1	43
	3	2	SW $\frac{1}{4}$ NE $\frac{1}{4}$	320.00	Rough, mountainous, rocky	1-2-3	VII VG	1-2-3	Federal	6-7-8	20
	12		N $\frac{1}{2}$	160.00	Rough, mountainous, rocky	1-2-3	VII E	1-2-3	Federal	7	15
	24		N $\frac{1}{2}$ NE $\frac{1}{4}$, S $\frac{1}{2}$ SE $\frac{1}{4}$	160.00	Rough, mountainous, rocky	1-2-3	VII E	1-2-3	Federal	7	22

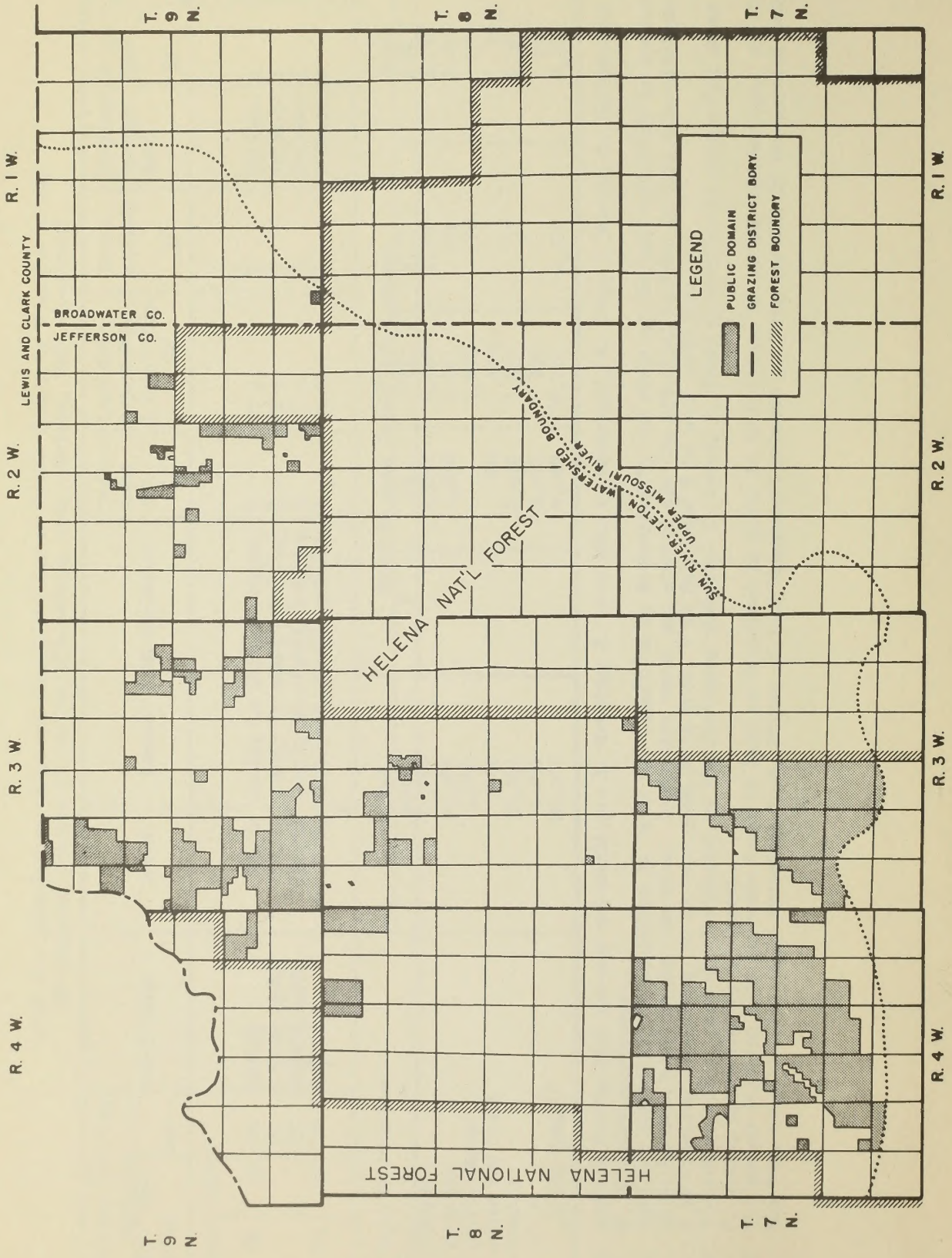
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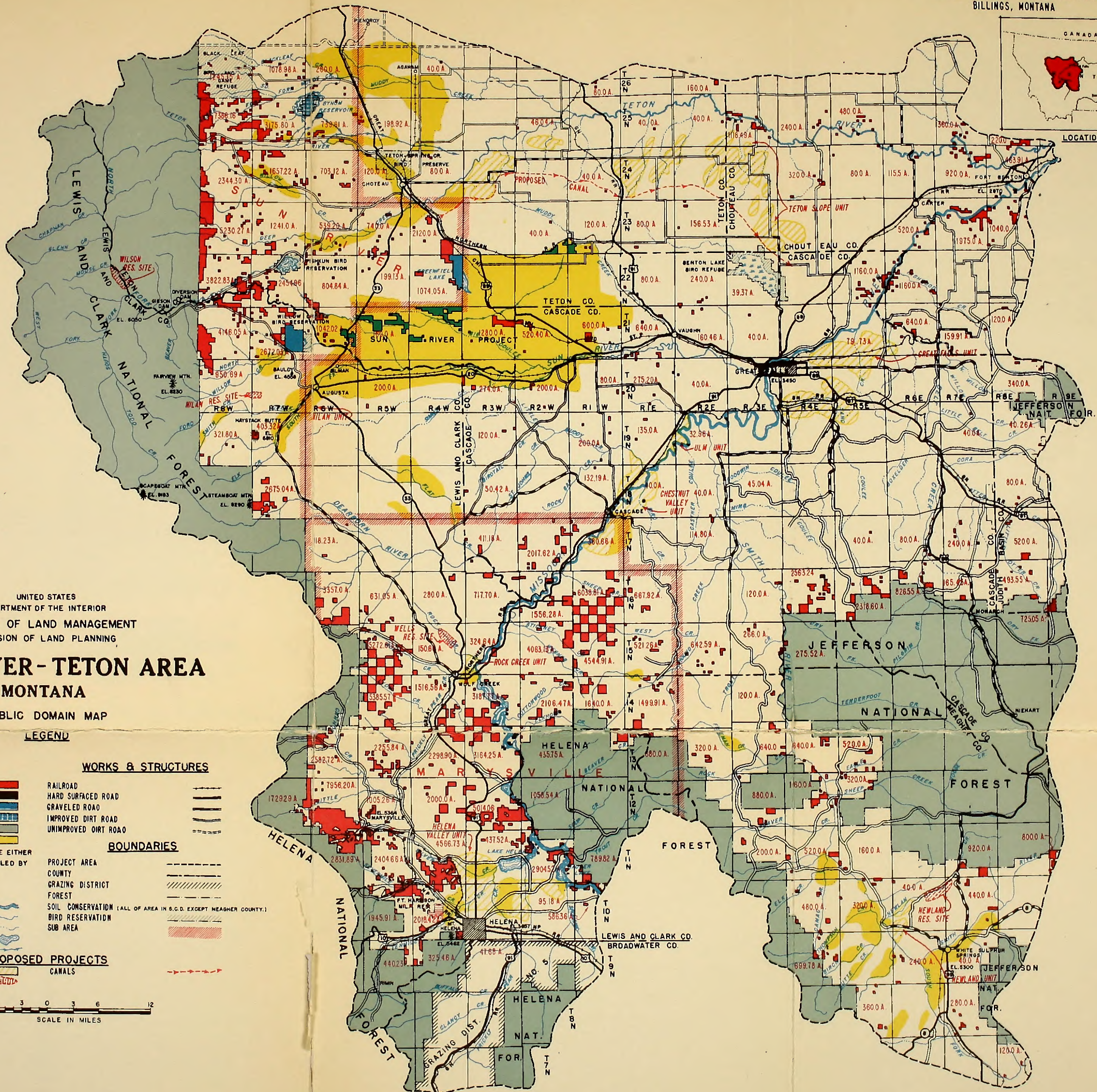
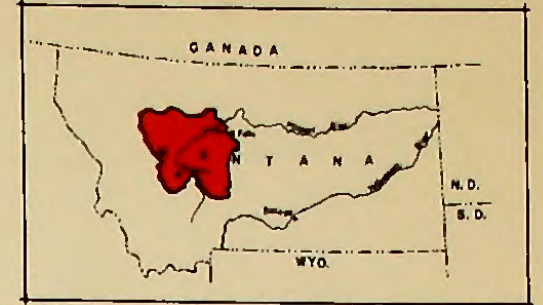
Table 5.- Description, Area and Classification of Public Domain by Counties within the Disposal Subarea of the Sun River-Teton Area, Montana, 1952 -Continued

Montana Principal Meridian		Subdivision	Acres	General Land Character	Present Land Use	Land Use Capability & Condition	Suitability	Proposed Management	Range Type	Stocking Rate AUMS
Twp. North	Rge. East									
Meagher County										
13	4	14	440.00	Rough, mountainous, rocky	1-2-3	VII E	1-2-3	Federal	1-6-7	80
		28	40.00	Steeply rolling	1-2-3	VII E	1-2-3	Federal	1-7-8	5
		34	160.00	Rough, mountainous, rocky	1-2-3	VII E	1-2-3	Federal	6-7-8	10
	5	14	80.00	Rough, mountainous, rocky	1	VII VG	1	Private	6-7	15
		22	160.00	Rough, mountainous, rocky	1	VII VG	1	Private	6-7	10
		28	40.00	Steeply to gently rolling	1	VI VG	1	Private	1	10
		32	80.00	Steeply to gently rolling	1	VI, VII VG	1	Private	1	18
		34	160.00	Steeply to gently rolling	1	VI VG	1	Private	1	37
14	2	6	208.01	Mountainous, rocky, steep	1	VII VG	1	Private	1	44
	3	14	120.00	Mountainous, rocky, steep	1	VII VG	1	Private	7-8	15
Teton County										
20	3W	6	16.13	Gently rolling	1	VI VG	1	Private	1	5
	5W	4	40.00	Gently rolling	1	VII VG	1	Private	1	6
21	3W	11	320.00	Gently rolling	1	VI VG	1	Federal	1	83
		12	320.00	Gently rolling	1	VI VG	1	Federal	1	76
		13	160.00	Gently rolling	1	VI G	1	Federal	1	38
		14	40.00	Gently rolling	1	VI G	1	Federal	1	8
		18	40.00	Gently rolling	1	VI G	1	Federal	1	6
	5W	6	40.00	Gently rolling	1	VI G	1	Federal	1	16
23	2E	19	40.00	Gently rolling	1	VI G	1	Federal	1	13
	1W	22	40.00	Gently rolling	1	VI G	1	Private	1	10
		30	40.00	Gently rolling	1	VI G	1	Private	1	10
		33	80.00	Gently rolling	1	VI G	1	Private	1	20
		14	40.00	Gently rolling	1	VI G	1	Private	1	11
24	1W	26	40.00	Steeply rolling	1	VI G	1	Private	1	10
	5W	5	80.00	Steeply rolling	1	VII G	1	Private	1	8
		6	40.00	Steeply rolling	1	VII G	1	Private	1	4
25	2W	19	46.04	Steeply rolling	1	VI G	1	Private	1	16
	5W	18	198.92	Gently to steeply rolling	1	VI G	1	Private	1	66

-Continued

MAP SUPPLEMENT - MONTANA GRAZING DISTRICT NO. 5 WITHIN THE SUN RIVER - TETON AREA





UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT
DIVISION OF LAND PLANNING

SUN RIVER-TETON AREA MONTANA

PUBLIC DOMAIN MAP

LEGEND

LAND STATUS

- VACANT LAND
- POWER SITES
- RECLAMATION WITHDRAWAL
- RESERVOIR RIGHT OF WAY
- FORESTS
- IRRIGATED LAND

NOTE: ALL LANDS NOT COLORED ARE EITHER PRIVATE, STATE, OR CONTROLLED BY OTHER AGENCIES.

TOPOGRAPHY

- RIVERS
- PERMANENT STREAMS
- INTERMITTENT STREAMS
- LAKES
- CANALS

PROPOSED PROJECTS

- ARABLE LANDS
- RESERVOIR SITES

WORKS & STRUCTURES

- RAILROAD
- HARD SURFACED ROAD
- GRAVELED ROAD
- IMPROVED DIRT ROAD
- UNIMPROVED DIRT ROAD

BOUNDARIES

- PROJECT AREA
- COUNTY
- GRAZING DISTRICT
- FOREST
- SOIL CONSERVATION (ALL OF AREA IN S.C.D. EXCEPT NEAHER COUNTY.)
- BIRD RESERVATION
- SUB AREA



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