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Natural Resources Conservation Service

In cooperation with Regents of the University of California (Agricultural Experiment Station); United States Department of the Interior, Bureau of Land Management; United States Department of Agriculture, Forest Service; California Department of Forestry and Fire Protection

Soil Survey of Susanville Area, Parts of Lassen and Plumas Counties, California

Part II

Contents

Issued 2004

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Part II

Use and Management

This soil survey is an inventory and evaluation of the soils in the survey area. It can be used to adjust land uses to the limitations and potentials of natural resources and the environment. Also, it can help to prevent soil-related failures in land uses.

In preparing a soil survey, soil scientists, conservationists, engineers, and others collect extensive field data about the nature and behavioral characteristics of the soils. They collect data on erosion, droughtiness, flooding, and other factors that affect various soil uses and management. Field experience and collected data on soil properties and performance are used as a basis in predicting soil behavior.

Information in this section can be used to plan the use and management of soils for crops and pasture; as rangeland and forestland; as sites for buildings, sanitary facilities, highways and other transportation systems, and parks and other recreational facilities; for agricultural waste management; and as wildlife habitat. It can be used to identify the potentials and limitations of each soil for specific land uses and to help prevent construction failures caused by unfavorable soil properties.

Planners and others using soil survey information can evaluate the effect of specific land uses on productivity and on the environment in all or part of the survey area. The survey can help planners to maintain or create a land use pattern in harmony with the natural soil.

Contractors can use this survey to locate sources of sand and gravel, roadfill, and topsoil. They can use it to identify areas where bedrock, wetness, or very firm soil layers can cause difficulty in excavation.

Health officials, highway officials, engineers, and others may also find this survey useful. The survey can help them plan the safe disposal of wastes and locate sites for pavements, sidewalks, campgrounds, playgrounds, lawns, and trees and shrubs.

Crops and Pasture

General management needed for crops and pasture is suggested in this section. The estimated yields of the main crops and pasture plants are listed, the system of land capability classification used by the Natural Resources Conservation Service is explained, and prime farmland is described.

Planners of management systems for individual fields or farms should consider the detailed information given in the description of each soil under the heading "Detailed Soil Map Units." Specific information can be obtained from the local office of the Natural Resources Conservation Service or the Cooperative Extension Service.

Farming Practices

By Nick Pappas, agronomist, Natural Resources Conservation Service

The following paragraphs discuss major soil limitations and some recommended management practices for the soils in the area suitable for irrigated and nonirrigated crops, hayland, and pastures. Farming recommendations for these soils are to overcome existing limitations to cropping, prevent soil erosion, preserve soil tilth, effectively use irrigation water, and control soil salts. Good farmland management practices ensure sustained productivity, help achieve better profits and assist in pest management.

Some recommended farming practices are *Chiseling and Subsoiling*, *Conservation Cropping Systems, Conservation Tillage, Crop Residue Management, Excess Water Removal, Hayland Management, Pasture Management, Land Leveling, Irrigation Water Management, Surface Water Control, Toxic Salt Reduction,* and *Water and Wind Erosion Control.* Use of these or other applicable practices depends upon land use goals, soil characteristics, crops, and capital investments. Limitations of some soils sometimes cannot be profitably corrected. Land use planning is important for profitable returns and prevention of soil degradation. Technical assistance on land use planning or specific problems can be obtained from the local Resource Conservation District (RCD), Natural Resources Conservation Service (NRCS), and the University of California Cooperative Extension.

Chiseling and *Subsoiling* are used to improve hardpan and plowpan limitations. These limitations

reduce the effective rooting depth, water holding capacity and permeability of the soil. Chiseling or subsoiling shatters the hardpan, increasing rooting depth, permeability and internal drainage, helping to prevent a perched water table. Chiseling also temporarily benefits soils that have a clay subsoil; however, these soils will eventually return to their normal condition. Soils which could benefit from chiseling and subsoiling are Modoc and Bieber.

Conservation Cropping Systems are approaches that can help to keep soils favorable for crop growth and sustained production. This approach takes into consideration all the tillage practices, fertilizer programs, pest control program, and crop rotations. All inputs are evaluated and managed to optimize production and minimize soil degradation. Economic benefits can be realized through reduced farming expenses and machinery costs. Intensive tillage practices reduce soil organic matter and destroy soil structure resulting in poor soil tilth, reduced water infiltration, loss of plant nutrients, increased susceptibility to erosion and poor crop performance.

A good cropping system includes cultural practices and crop rotations that offset the deleterious effects of continuous cropping. Crop selection is an important consideration. Tillage-intensive crops such as strawberry plants are soil deteriorating. A legume crop, such as alfalfa, adds nitrogen and organic matter to the soil. Properly managed hay and pasture crops build soil structure, enhance fertility and improve water-holding capacity.

A good cropping system also keeps soil erosion at an acceptable level. This can be accomplished by keeping vegetative or residue cover on the soil during periods when winds blow or water erosion occurs.

Farming with a planned cropping system can assist in weed and other pest control as well as maximize benefits of fertilizers and other chemical inputs.

Conservation Tillage is the reduction of conventional tillage operations necessary to control weeds, incorporate residues, break up the soil for favorable air and water movement, and prepare an adequate seedbed. It can vary from a no-till operation to something less than conventional tillage. *Crop residue management* is a very important component. Conservation tillage, in contrast to conventional tillage, provides soil protection but requires more intense management. Conservation tillage can also have financial benefits by decreasing production costs. The soils that benefit the most are soils with coarse textured surfaces that are susceptible to blowing such as Ardep, Mottsville, Modoc, Truax, and Springmeyer. Some of the major obstacles that must be considered when using conservation tillage are:

1) Handling of residue by tillage and planting machines.
2) Slow warm-up of cold and wet soils in the spring.
3) Fertilizer placement.
4) Pesticide effectiveness.
5) Crop response.
6) Farming tradition.

A systems approach is required for a good conservation tillage program. The crop production and soil conservation effects of the system must be evaluated to assure that the objectives are met. Interaction between successive tillage operations must be advantageous to achieve production and conservation results. Because of the high level of surface residues required for the success of conservation tillage, management of crop residues is essential. Conservation tillage can also affect both the pesticide and fertilizer programs. The soils and climatic conditions of the survey area can also affect conservation tillage operations. Due to the shorter growing season and colder temperatures, surface residues can slow spring warm-up of the soils and breakdown of residues. These effects will be greater on the wetter and finer textured soils. Individual farming needs should be considered when planning. Adjustments may be required and tighter management must be exercised.

Crop Residue Management is very important no matter what type of tillage program is used to farm. Crop residues are a soil asset and can be used to an advantage in cropland management. Residues should be returned to the soil. They help to maintain soil tilth, replenish organic matter, and maintain soil structure. One big advantage of residues in the soils is their influence in the reduction of wind and water erosion. When possible, turning over grasses and green manure crops is an excellent practice. Crop residue management benefits all soils in the area.

Excessive Water Removal includes surface and subsurface water management to prevent or divert accumulations from rainfall, runoff, or irrigation. Excessive water removal reduces cropping limitations of alfalfa hay and can increase yields of other crops. Soils that can benefit from these practices are Saddlerock, Humboldt, Truckee, and Ravendale. The Truckee, Lakeview, and Saddlerock soils have seasonal water tables. This should be a consideration when cropping alfalfa hay on these soils. The water table varies from year to year so the problems are not always present. The high water table can destroy an alfalfa stand if the roots are in water during the growing season.

Surface Water Removal can remove limitations caused by water runoff accumulations in low lying areas, or tail water at the lower end of irrigated fields. Excess surface water causes poor crop performance and provides a habitat for weeds and mosquitoes. Cultural practices that reduce this limitation are proper land grading, tailwater recovery systems, and in most cases good irrigation water management. Surface water problems are mostly associated with the heavier textured soils with slow infiltration rates such as the

Ravendale and Saddlerock soils. Low-lying areas can require diversions, dikes, or canals to divert and control flood and other surface waters.

Toxic Salt Reduction can significantly improve crop performance. Salts in the rooting zone limit crop performance. Two different soil salt conditions are present in the soil survey area, saline-sodic or sodic. Sodic soil limitations are caused by sodium in the soil that can be toxic to crops and disperses the soil particles destroying soil structure. Lack of soil structure reduces or nearly eliminates water infiltration. In high enough concentrations, sodium is toxic to most plants.

Saline problems are caused by excessive amounts of salts, primarily calcium and magnesium, in the soil profile. The salts reduce water available to the crop and can be toxic to plants. Saline-sodic conditions exist when the soil has high concentrations of salts and sodium.

Saline conditions can be controlled by applying water in amounts sufficient to leach excessive salts below the root zone. There are limitations to soil reclamation. These problems are technical (methods of removing the salts) and also can be limited by financial and water resources. Sodic reclamation requires the addition of amendments to free the sodium so it can be leached below the root zone.

Erosion Control is needed on most soils. Soils that are on slopes greater than 2 percent are susceptible to water erosion and the coarse to medium textured soils are susceptible to wind erosion. The cold climatic condition limits vegetative cover during critical periods, compounding the erosion hazard. Water erosion occurs when the soils have sparse vegetative cover and raindrops strike the bare soil. When the soils are frozen and rainfall or a thaw occurs, surface water runoff causes severe erosion of the loose surface layer of soil. The soils where water erosion can be a problem are Calpine, Plinco, Mottsville, and Springmeyer.

Wind erosion hazards exist when no crop residue or vegetative cover is available for soil protection. Some coarse textured soils that fall into this category are Ardep, Mottsville, Fordey, and Springmeyer. The climate and farming practices are such that soils are usually bare, dry, and being farmed during periods of strong winds. Erosion protection requires planning and modification of cropping and cultural practices. Management should include surface coverage by crop residue or cover crop. Early fall seeding of cereal grains or ridge tillage can provide some protection from wind erosion. Permanent windbreaks are a sound, long-term investment and should be considered. They not only reduce the soil erosion but also can prevent crop damage from winds. Permanent windbreaks can be trees, shrubs, or perennial grasses.

Irrigation Design and Management is essential to all crops. Good designs for field irrigation grades, water delivery systems, and irrigation water management is important for profitable crops production and conservation of soil and water resources. Irrigation methods that can be used in the survey area are furrow, border, sprinkler, and water spreading. For surface irrigation (furrow and border) the fields should be set at grades that use irrigation water efficiently, provide plant water needs, and preserve water quality. Slopes should be limited to less than 2 percent. Soil considerations are very important before grading of fields is attempted. Soil depth to pans or other restrictive layers should be investigated to ensure the finished field can adequately support nutrient and water requirements. Length of runs should be designed according to soil infiltration characteristics. Sprinkler irrigation systems are best adapted to soils with very high infiltration rates or slopes greater than 2 percent. Soils descriptions in the soil survey can provide the needed information for good decisions. Irrigation water management is dependent upon good soils information and interpretations. Irrigation water management is achieved by controlling the rate, amount, and timing of irrigation to apply water in a manner for maximum production without soil and water degradation. Good irrigation water management is profitable, conserves water and nutrients, and protects water quality.

Pastureland Management includes some basic consideration to protect the soil and sustain forage yields. Maintenance of desirable plants is a major consideration. Desirable plants are usually the most palatable. Weedy or undesirable plants usually thrive since livestock don't harvest them. To maintain a pasture of desirable plants, they must be grazed to levels that allow continued vigorous growth. This is only possible when enough leaf surface remains for regrowth. A good rotation-grazing plan should be developed that leaves adequate leaf material after grazing for recovery. Irrigation to meet plant requirements along with a fertilization program will net maximum production. When managing for maximum vegetative plant growth, soil moisture kept close to field capacity will give the best yields. Keeping animals off the pasture when it is wet can reduce soil compaction. Harrowing or dragging to scatter animal droppings will enhance pasture performance. Pastures can be managed to produce grass hay during the spring. Usually one cutting of 1 to 2 tons per acre can be harvested. Grazing should be deferred to allow the pasture to recover.

Hayland Management should be developed for sustained production and protection of the soil. Stand and production can be maintained by keeping the field clean of weed infestation and harvesting the forage at intervals which allow the plants to sustain a thrifty growth. Good irrigation management is essential. Over-irrigation can deplete soil oxygen levels. Alfalfa plants can't tolerate even short periods of water saturation. Plants die, or are attacked by disease and lose vigor. Grasses take advantage and infest the field. Soils with a high spring water table such as Blickenstaff, Artray, and Humboldt are poorly suited for alfalfa hay. Stands can

be severely damaged or destroyed during years of long high water table periods. Heavy-textured soils subject to flooding or ponding such as Truckee, Ravendale, Saddlerock, Pit, Gerlach, and Dryvalley are also poorly suited for alfalfa hay. Stands can be severely damaged or destroyed during periods of prolonged saturation during the growing season.

The main factors in managing irrigated cropland are conserving soil moisture, controlling wind and water erosion, and maintaining soil fertility.

Conserving soil moisture consists primarily of reducing the evaporation and runoff rates and increasing the water intake rate. Applying conservation tillage and conservation cropping systems, farming on the contour, strip cropping, establishing field windbreaks, and leaving crop residue on the surface conserve moisture. Conserving soil moisture may reduce the number of irrigations.

Generally, a combination of several practices is needed to control wind and water erosion. Conservation tillage, strip cropping, field windbreaks, tall grass barriers, contour farming, conservation cropping systems, crop residue management, diversions, and grassed waterways help to prevent excessive soil loss.

Measures that are effective in maintaining soil fertility include applying fertilizer, both organic and inorganic, including manure; incorporating crop residue or green manure crops into the soil; and using proper crop rotations. Controlling erosion helps to prevent the loss of organic matter and plant nutrients and thus helps to maintain productivity, although the level of fertility can be reduced even in areas where erosion is controlled. All soils used for irrigated crops respond well to applications of fertilizer.

Interpretive Ratings

The interpretive tables in this survey rate the soils in the survey area for various uses. Many of the tables identify the limitations that affect specified uses and indicate the severity of those limitations. The ratings in these tables are both verbal and numerical.

Rating Class Terms

Rating classes are expressed in the tables in terms that indicate the extent to which the soils are limited by all of the soil features that affect a specified use or in terms that indicate the suitability of the soils for the use. Thus, the tables may show limitation classes or suitability classes. Terms for the limitation classes are *slight, moderate, severe* or *not limited, somewhat limited,* and *very limited*. The suitability ratings are expressed as *well suited, moderately suited, poorly suited*, and *unsuited* or as *good, fair,* and *poor*.

Numerical Ratings

Numerical ratings in the tables indicate the relative severity of individual limitations. The ratings are shown as decimal fractions ranging from 0.00 to 1.00. They indicate gradations between the point at which a soil feature has the greatest negative impact on the use and the point at which the soil feature is not a limitation. The limitations appear in order from the most limiting to the least limiting. Thus, if more than one limitation is identified, the most severe limitation is listed first and the least severe one is listed last.

Yields per Acre

The average yields per acre that can be expected of the principal crops under a high level of management are shown in table 5, "Land Capability Yields per Acre of Crops." In any given year, yields may be higher or lower than those indicated in the table because of variations in rainfall and other climatic factors. The land capability classification of map units in the survey area also is shown in the table.

The yields are based mainly on the experience and records of farmers, conservationists, and extension agents. Available yield data from nearby counties and results of field trials and demonstrations also are considered.

The management needed to obtain the indicated yields of the various crops depends on the kind of soil and the crop. Management can include drainage, erosion control, and protection from flooding; the proper planting and seeding rates; suitable high-yielding crop varieties; appropriate and timely tillage; control of weeds, plant diseases, and harmful insects; favorable soil reaction and optimum levels of nitrogen, phosphorus, potassium, and trace elements for each crop; effective use of crop residue, barnyard manure, and green manure crops; and harvesting that ensures the smallest possible loss.

For yields of irrigated crops, it is assumed that the irrigation system is adapted to the soils and to the crops grown, that good-quality irrigation water is uniformly applied as needed, and that tillage is kept to a minimum.

The estimated yields reflect the productive capacity of each soil for each of the principal crops. Yields are likely to increase as new production technology is developed. The productivity of a given soil compared with that of other soils, however, is not likely to change.

Crops other than those shown in table 5 are grown in the survey area, but estimated yields are not listed

because the acreage of such crops is small. The local office of the Natural Resources Conservation Service or of the Cooperative Extension Service can provide information about the management and productivity of the soils for those crops.

The *productivity index* is a relative rating of the capacity of a soil to produce a specific plant under a defined management system. The index is determined from yield data on a few benchmark soils and is used to calculate yields, the net returns from crops, land assessment values, and taxes and to perform risk analysis when land management decisions are made.

Land Capability Classification

Land capability classification shows, in a general way, the suitability of soils for most kinds of field crops. Crops that require special management are excluded. The soils are grouped according to their limitations for field crops, the risk of damage if they are used for crops, and the way they respond to management. The criteria used in grouping the soils do not include major and generally expensive landforming that would change slope, depth, or other characteristics of the soils, nor do they include possible but unlikely major reclamation projects. Capability classification is not a substitute for interpretations designed to show suitability and limitations of groups of soils for rangeland, for forestland, or for engineering purposes.

In the capability system, soils are generally grouped at three levels=capability class, subclass, and unit.

Capability classes, the broadest groups, are designated by the numbers 1 through 8. The numbers indicate progressively greater limitations and narrower choices for practical use. The classes are defined as follows:

Class 1 soils have slight limitations that restrict their use.

Class 2 soils have moderate limitations that restrict the choice of plants or that require moderate conservation practices.

Class 3 soils have severe limitations that restrict the choice of plants or that require special conservation practices, or both.

Class 4 soils have very severe limitations that restrict the choice of plants or that require very careful management, or both.

Class 5 soils are subject to little or no erosion but have other limitations, impractical to remove, that restrict their use mainly to pasture, rangeland, forestland, or wildlife habitat.

Class 6 soils have severe limitations that make them generally unsuitable for cultivation and that restrict their use mainly to pasture, rangeland, forestland, or wildlife habitat.

Class 7 soils have very severe limitations that make them unsuitable for cultivation and that restrict their use mainly to grazing, forestland, or wildlife habitat.

Class 8 soils and miscellaneous areas have limitations that preclude commercial plant production and that restrict their use to recreational purposes, wildlife habitat, watershed, or esthetic purposes.

Capability subclasses are soil groups within one class. They are designated by adding a small letter, *e, w, s,* or *c,* to the class numeral, for example, 2e. The letter *e* shows that the main hazard is the risk of erosion unless close-growing plant cover is maintained; *w* shows that water in or on the soil interferes with plant growth or cultivation (in some soils the wetness can be partly corrected by artificial drainage); *s* shows that the soil is limited mainly because it is shallow, droughty, or stony; and *c,* used in only some parts of the United States, shows that the chief limitation is climate that is very cold or very dry.

In class 1 there are no subclasses because the soils of this class have few limitations. Class 5 contains only the subclasses indicated by *w, s,* or *c* because the soils in class 5 are subject to little or no erosion. They have other limitations that restrict their use to pasture, rangeland, forestland, wildlife habitat, or *recreation.*

Capability units are soil groups within a subclass. The soils in a capability unit are enough alike to be suited to the same crops and pasture plants, to require similar management, and to have similar productivity. Capability units are generally designated by adding an Arabic numeral to the subclass symbol, for example, 2e-4 and 3e-6. These units are not given in all soil surveys.

The capability classification of map units in this survey area is given in the section "Detailed Soil Map Units" and in table 6, "Land Capability Classification". The irrigated capability classification of soils in cropland or pastureland are also shown in table 5, "Land Capability and Irrigated Yields Per Acre of Crops and Pasture".

Major Land Resource Areas

Capability classification is further refined by designating the land resource area in which the soils in a unit occur. A major land resource area is a broad geographic area that has a distinct combination of climate, topography, vegetation, land use, and general type of farming. Parts of four of these nationally designated areas are in the survey area. These areas and their numbers are: Klamath and Shasta Valleys and Basins (21), Sierra Nevada Range (22), Malheur High Plateau (23), and Carson Basin and Mountains (26).

Major Land Resource Area 21

Nearly half the survey area, the northern part, is in this area. The area is characterized by upland lava plateau interspersed with mountain valleys and lake basins. The natural vegetation is mainly perennial grasses and shrubs. Elevation mainly ranges from 4,300 to 6,500 feet. Observation Peak and McDonald

Peak reach elevations of nearly 8,000 feet. The average annual precipitation ranges from 12 to 16 inches, the average annual air temperature ranges from 43 to 48 degrees F., and the average frost-free season ranges from 60 to 100 days.

Within the survey area, most of the land in this resource area is used for livestock grazing. A few small areas are used for irrigated alfalfa hay and small grain crops.

Major Land Resource Area 22

The western edge of the survey area is in this area. The area is characterized by upland backslopes of granitic, volcanic, and metamorphic geology of the Sierra Nevada and Cascade ranges and high mountain valleys. The vegetation is mainly coniferous forest on the mountain backslopes and meadow grasses on the valley floors. Elevation ranges from 4,300 to 7,500 feet. The average annual precipitation ranges from 18 to 40 inches, the average annual air temperature ranges from 41 to 50 degrees F., and the average frost-free season ranges from 60 to 100 days. Within the survey area most of the land in this resource area is used for timber production and livestock grazing. A few small areas are used for urban development and Christmas tree production.

Major Land Resource Area 23

The eastern portion of the survey area is in this area. It includes the Honey Lake Valley, lava plateaus north of the communities of Litchfield and Wendel, and Secret Valley. Vegetation is mainly perennial grasses and shrubs. Elevation ranges from 4,000 to 5,500 feet. The average annual precipitation ranges from 6 to 12 inches, the average annual air temperature ranges from 48 to 53 degrees F., and the average frost-free season ranges from 80 to 130 days. Within the survey area, most of the land in this resource area is used for livestock grazing or irrigated crops. Crops include alfalfa hay and seed, small grains, pasture, corn, garlic, and strawberry plants. A few small areas are used for wildlife habitat and urban development.

Major Land Resource Area 26

The southeastern corner of the survey area is in this area. In this survey area, it is characterized by steeply sloping mountains of granitic geology separated by narrow valleys. Elevation ranges from 4,000 to 6,500 feet. The average annual precipitation ranges from 10 to 14 inches, the average annual air temperature ranges from 46 to 52 degrees F., and the average frost-free season ranges from 80 to 130 days. Within the survey area most of the land in this resource area is used for livestock grazing. A few small areas are used for irrigated alfalfa hay, wildlife habitat and urban development.

Rangeland

By Richard J. King, Range Conservationist, USDA, Soil Conservation Service

About 70 percent of the land in the survey area is rangeland. Cow-calf-stocker operations are the most common livestock enterprises.

Privately owned rangeland in the survey area is primarily in Honey Lake Valley and in numerous smaller, often isolated valleys. These parcels represent homesteaded tracts within the public domain. Adjacent plateau and mountainous areas are mostly federal lands administered by the Forest Service and Bureau of Land Management. About 60 percent of the survey area is federally owned. The interdependence of private and public grazing lands is very important to most livestock operations. Many of the operating units have permits for spring, summer, or fall grazing on these federal lands.

Cattle are either transported out of the higher elevations before winter for grazing in milder climates or are held on the private lands and fed hay during the winter. Calving normally begins in February and is completed by May. Calves are weaned in the fall and either sold or kept until the following year when sold as stockers or shipped to feedlots, depending on size.

Some cattle operations also include alfalfa hay enterprises. Hay is sold to supplement ranch income and some is kept as winter-feed. Some ranches have irrigated pasture consisting of meadows. Flood irrigation is practiced to enhance native vegetation or improved pastures.

The history of range use and condition in the survey area is very similar to the history of all our western rangeland. Serious overgrazing greatly changed the character of the native vegetation by the turn of the century. Despite the serious degradation of soil, plant, wildlife, and water resources that has occurred since pioneer days, substantial improvement has occurred. Rangeland in the survey area is now generally considered to be in better ecological condition than at any time during the past one hundred years.

Even with the gradual improvement of range conditions in recent decades, the rangeland still suffers from serious degradation in local areas. While poor livestock management is responsible in some areas, wild horses are widespread in the survey area and have severe impacts when their numbers are not adequately controlled. The vast majority of the acreage is far from its ecological potential to produce livestock, wildlife, recreation, wood products, and clean water. Obvious symptoms of past mismanagement over large areas are the lack of perennial grasses, dominance of sagebrush or annual grasses, invasion of junipers, and erosion.

Effective management of rangeland is dependent upon the management of all available human, financial, and land resources. This soil survey can help range managers better understand the capabilities of their land

resource. Such information is important in defining production and landscape goals.

Ecological Sites

In areas that have similar climate and topography, differences in the kind and amount of vegetation produced on rangeland are closely related to the kind of soil. Effective management is based on the relationship between the soils and vegetation and water.

Table 7, "Rangeland Productivity and Characteristic Plant Communities," shows, for each soil that supports rangeland vegetation or woodland understory, the ecological site and the potential annual production of vegetation in favorable, normal, and unfavorable years. An explanation of the column headings in table 7 follows.

An *ecological site* is the product of all the environmental factors responsible for its development. It has characteristic soils that have developed over time throughout the soil development process; a characteristic hydrology, particularly infiltration and runoff, that has developed over time; and a characteristic plant community (kind and amount of vegetation). The hydrology of the site is influenced by development of the soil and plant community. The vegetation, soils, and hydrology are all interrelated. Each is influenced by the others and influences the development of the others. The plant community on an ecological site is typified by an association of species that differs from that of other ecological sites in the kind and/or proportion of species or in total production. Descriptions of ecological sites are provided in the Field Office Technical Guide, which is available in local offices of the Natural Resources Conservation Service.

Total dry-weight production is the amount of vegetation that can be expected to grow annually in a well managed area that is supporting the potential natural plant community. It includes all vegetation, whether or not it is palatable to grazing animals. It includes the current year's growth of leaves, twigs, and fruits of woody plants. It does not include the increase in stem diameter of trees and shrubs. It is expressed in pounds per acre of air-dry vegetation for favorable, normal, and unfavorable years. In a favorable year, the amount and distribution of precipitation and the temperatures make growing conditions substantially better than average. In a normal year, growing conditions are about average. In an unfavorable year, growing conditions are well below average, generally because of low available soil moisture. Yields are adjusted to a common percent of air-dry moisture content.

Characteristic vegetation the grasses, forbs, and shrubs that make up most of the potential natural plant community on each soil is listed by common name. Under *rangeland composition*, the expected percentage of the total annual production is given for each species making up the characteristic vegetation. The amount that can be used as forage depends on the kinds of grazing animals and on the grazing season.

Range Management

Range management requires knowledge of the kinds of soil and of the potential natural plant community. It also requires an evaluation of the present range similarity index and rangeland trend. Range similarity index is determined by comparing the present plant community with the potential natural plant community on a particular rangeland ecological site. The more closely the existing community resembles the potential community, the higher the range similarity index. Rangeland trend is defined as the direction of change in an existing plant community relative to the potential natural plant community. Further information about the range similarity index and rangeland trend is available in chapter 4 of the "National Range and Pasture Handbook", *(http://www.ftw.nrcs.usda.gov/glti/NRPH.html).*

The objective in range management is to control grazing so that the plants growing on a site are about the same in kind and amount as the potential natural plant community for that site. Such management generally results in the optimum production of vegetation, control of undesirable brush species, conservation of water, and control of erosion. Sometimes, however, an area with a range similarity index somewhat below the potential meets grazing needs, provides wildlife habitat, and protects soil and water resources.

A primary objective in range management is livestock control. Planned grazing systems, fencing, water development, herding, and the use of livestock attractants are common practices to gain better control of livestock. Livestock control minimizes overgrazing and maximizes the beneficial impacts of the animals.

Overgrazing occurs when individual forage plants are stressed too frequently or too severely during the growing season. Controlling the frequency and severity of grazing in order to minimize plant stress is best accomplished by controlling the time that animals have access to the plants. If adequate rest periods follow grazing, plant vigor and productivity will be optimized. Avoiding excessive rest periods is desirable on the range sites in this survey area. The beneficial impacts of animals include preventing perennial grass decadence through removal of old growth, increasing soil surface cover through feeding and trampling, creating a desirable seedbed, and planting seed. If rest periods are excessive, opportunities to improve range health and condition through the beneficial impacts of livestock will be missed. In summary, carefully controlling the time animals are in a pasture enables the rancher to optimize both productivity and the rate of range condition improvement.

Water runoff and evaporation are greatly affected by grazing management. The type, distribution, and amount of soil cover will determine how safely and effectively rain and snowmelt are received, stored, and released. Bare soil leads to erosion, less infiltration of water, more rapid runoff, and greater soil moisture lost to evaporation and unavailable for plant growth. Poor vegetative cover in channels can lead to serious stream bank and channel down cutting and widening when vegetation is no longer capable of withstanding concentrated flows.

Historically, vegetative and soil profile evidence all indicate juniper and sagebrush have increased dramatically since pioneer days. Wildfires from lightning and Indian activities served to keep the rangeland in the survey area relatively free of fire-sensitive sagebrush and juniper trees. Areas where the soil conditions are unfavorable for herbaceous growth probably burned less frequently or less intensely. These range sites have probably always had significant woody vegetation despite their low productivity.

In addition to burning young trees and brush, fire probably helped keep the perennial grasses vigorous. Perennial grasses provide a competitive barrier to woody tap-rooted seedlings. Overgrazing and lack of fire have reduced the vigor of perennial grasses in the survey area and have encouraged the establishment of sagebrush and juniper trees.

Brush encroachment, lack of perennial grasses, and erosion are symptoms of deteriorated range conditions. Range seeding, brush management, and erosion control practices can help improve deteriorated range conditions. However, range managers should ensure that the causes of these symptoms have been rectified before investing time and money. The overwhelming cause of poor range condition on most ranches is overgrazing and/or a lack of the beneficial impacts of livestock as discussed earlier.

Wildlife population diversity and stability should be an important consideration in range management plans. Wildlife can offer either opportunities or problems to land managers. Understanding and involving wildlife needs and tendencies can minimize conflicts and optimize benefits. The benefits of managing for wildlife can include increased income, reduced expenses, enhanced aesthetics, and recreation. See the wildlife habitat section in this soil survey for additional information. These concerns can be addressed through the process of conservation planning. Conservation plans should consider the organization of all land, financial, and human resources available. This process should be guided by clear production and landscape goals of the manager. Production goals should define what the manager wants to produce off the land. This may include livestock, wildlife, recreation, aesthetic, clean water, or some combination of products. Landscape goals should define what the range sites need to look like in order to support the desired quantity and quality of production. Information in this soil survey can help the manager establish sound goals.

Significant facts about the range management of individual soils is discussed elsewhere in this soil survey under the heading of Detailed Soil Map Units.

The local offices of the Natural Resources Conservation Service and the University of California Cooperative Extension Service can provide additional information about the productivity and management concerns of these range sites as well as other conservation planning assistance.

Forest Productivity and Management

By Jack Bramhall, area forester, Natural Resources Conservation Service

Forestland in the soil survey area is located in the Almanor Basin, west of State Highway 139, along the west rim of Honey Lake Valley, and in the mountains on the west side of the Madeline Plains.

Juniper woodland covers the steep, rocky portions of land northeast of Susanville. Most of the juniper woodland is interspersed with rangeland that has been invaded by western juniper (Juniperous occidentalis). The primary uses for western juniper are firewood and fence posts.

Western juniper seems to favor the drier climates of MLRA 21. When the precipitation increases, the juniper gives way to Jeffrey or ponderosa pine, plants associated with MLRA 22.

Forest soils occupy 285,000 acres of the soil survey area, while juniper infested areas cover 200,000 acres. These acreages are part of the soil survey area and do not include national forest lands.

The forests of the soil survey area provide a variety of benefits to the residents and visitors of the area. The forestland provides important habitat for fish and wildlife. Forested watersheds help provide clean water for agricultural, recreational, and domestic uses. Many residents rely on the forestlands for home energy in the form of firewood. Still others derive their livelihood from the forest products industry. Forest products include softwood lumber, wood chips, and firewood, and are among the major export commodities.

Forest Productivity

The tables in this section can help forest owners or managers plan the use of soils for wood crops. They show the potential productivity of the soils for wood crops and rate the soils according to the limitations that affect various aspects of forest management.

In table 8, "Forest Productivity", the *potential productivity* of merchantable or *common trees* on a soil is expressed as a site index and as a volume number. The *site index* is the average height, in feet, that

dominant and codominant trees of a given species attain in a specified number of years. The site index applies to fully stocked, even-aged, unmanaged stands. Commonly grown trees are those that forest managers generally favor in intermediate or improvement cuttings. They are selected on the basis of growth rate, quality, value, and marketability. More detailed information regarding site index is available in the "National Forestry Manual", which is available in local offices of the Natural Resources Conservation Service or the Internet.

The volume of wood fiber, a number, is the yield likely to be produced by the most important tree species. This number, expressed as cubic feet per acre per year and calculated at the age of culmination of the mean annual increment (CMAI), indicates the amount of fiber produced in a fully stocked, even-aged, unmanaged stand.

Trees to manage are those that are preferred for planting, seeding, or natural regeneration and those that remain in the stand after thinning or partial harvest.

Forest Management

In tables 9 through 13, interpretive ratings are given for various aspects of forest management. The ratings are both verbal and numerical.

Some rating class terms indicate the degree to which the soils are suited to a specified forest management practice. *Well suited* indicates that the soil has features that are favorable for the specified practice and has no limitations. Good performance can be expected, and little or no maintenance is needed. *Moderately well suited* indicates that the soil has features that are moderately favorable for the specified practice. One or more soil properties are less than desirable, and fair performance can be expected. Some maintenance is needed. *Poorly suited* indicates that the soil has one or more properties that are unfavorable for the specified practice. Overcoming the unfavorable properties requires special design, extra maintenance, and costly alteration. *Unsuited* indicates that the expected performance of the soil is unacceptable for the specified practice or that extreme measures are needed to overcome the undesirable soil properties.

Numerical ratings in the tables indicate the severity of individual limitations. The ratings are shown as decimal fractions ranging from 0.00 to 1.00. They indicate gradations between the point at which a soil feature has the greatest negative impact on the specified forest management practice (1.00) and the point at which the soil feature is not a limitation (0.00).

Rating class terms for fire damage and seedling mortality are expressed as *low, moderate,* and *high*. Where these terms are used, the numerical ratings indicate gradations between the point at which the potential for fire damage or seedling mortality is highest (1.00) and the point at which the potential is lowest (0.00).

The paragraphs that follow indicate the soil properties considered in rating the soils for forest management practices. More detailed information about the criteria used in the ratings is available in the "National Forestry Manual", which is available in local offices of the Natural Resources Conservation Service or on the Internet.

For *limitations affecting construction of haul roads and log landings,* the ratings are based on slope, flooding, permafrost, plasticity index, the hazard of soil slippage, content of sand, Unified classification, rock fragments on or below the surface, depth to a restrictive layer that is indurated, depth to a water table, and ponding. The limitations are described as slight, moderate, or severe. A rating of *slight* indicates that no significant limitations affect construction activities, *moderate* indicates that one or more limitations can cause some difficulty in construction, and *severe* indicates that one or more limitations can make construction very difficult or very costly.

The ratings of *suitability for log landings* are based on slope, rock fragments on the surface, plasticity index, content of sand, Unified classification, depth to a water table, ponding, flooding, and the hazard of soil slippage. The soils are described as well suited, moderately suited, or poorly suited to use as log landings.

Ratings in the column *soil rutting hazard* are based on depth to a water table, rock fragments on or below the surface, the Unified classification, depth to a restrictive layer, and slope. Ruts form as a result of the operation of forest equipment. The hazard is described as slight, moderate, or severe. A rating of *slight* indicates that the soil is subject to little or no rutting, *moderate* indicates that rutting is likely, and *severe* indicates that ruts form readily.

Ratings in the column hazard of off-road or off-trail erosion are based on slope and on soil erodibility factor K. The soil loss is caused by sheet or rill erosion in off-road or off-trail areas where 50 to 75 percent of the surface has been exposed by logging, grazing, mining, or other kinds of disturbance. The hazard is described as slight, moderate, severe, or very severe. A rating of *slight* indicates that erosion is unlikely under ordinary climatic conditions; *moderate* indicates that some erosion is likely and that erosion-control measures may be needed; *severe* indicates that erosion is very likely and that erosion-control measures; including revegetation of bare areas, are advised; and *very severe* indicates that significant erosion is expected, loss of soil productivity and off-site damage are likely, and erosion-control measures are costly and generally impractical.

Ratings in the column *hazard of erosion on roads and trails* are based on the soil erodibility factor K, slope, and content of rock fragments. The ratings apply to unsurfaced roads and trails. The hazard is described as slight, moderate, or severe. A rating of *slight* indicates that little or no erosion is likely; *moderate* indicates that some erosion is likely, that the roads or trails may

require occasional maintenance; and that simple erosion-control measures are needed; and *severe* indicates that significant erosion is expected, that the roads or trails require frequent maintenance, and that costly erosion-control measures are needed.

Ratings in the column *suitability for roads (natural surface)* are based on slope, rock fragments on the surface, plasticity index, content of sand, Unified classification, depth to a water table, ponding, flooding, and the hazard of soil slippage. The ratings indicate the suitability for using the natural surface of the soil for roads. The soils are described as well suited, moderately well suited, or poorly suited to this use.

Ratings in the columns *suitability for hand planting* and *suitability for mechanical planting* are based on slope, depth to a restrictive layer, content of sand, plasticity index, rock fragments on or below the surface, depth to a water table, and ponding. The soils are described as well suited, moderately well suited, poorly suited, or unsuited to these methods of planting. It is assumed that necessary site preparation is completed before seedlings are planted.

Ratings in the column *suitability for use of harvesting equipment* are based on slope, rock fragments on the surface, plasticity index, content of sand, Unified classification, depth to a water table, and ponding. The soils are described as well suited, moderately well suited, or poorly suited to this use.

Ratings in the column *suitability for mechanical site preparation (surface)* are based on slope, depth to a restrictive layer, plasticity index, rock fragments on or below the surface, depth to a water table, and ponding. The soils are described as well suited, poorly suited, or unsuited to this management activity. The part of the soil from the surface to a depth of about 1-foot is considered in the ratings.

Ratings in the column *suitability for mechanical site preparation (deep)* are based on slope, depth to a restrictive layer, rock fragments on or below the surface, depth to a water table, and ponding. The soils are described as well suited, poorly suited, or unsuited to this management activity. The part of the soil from the surface to a depth of about 3 feet is considered in the ratings.

Ratings in the column *potential for damage to soil by fire* are based on texture of the surface layer, content of rock fragments and organic matter in the surface layer, thickness of the surface layer, and slope. The soils are described as having a low, moderate, or high potential for this kind of damage. The ratings indicate an evaluation of the potential impact of prescribed fires or wildfires that are intense enough to remove the duff layer and consume organic matter in the surface layer.

Ratings in the column *potential for seedling mortality* are based on flooding, ponding, depth to a water table, content of lime, reaction, salinity, available water capacity, soil moisture regime, soil temperature regime, aspect, and slope. The soils are described as having a low, moderate, or high potential for seedling mortality.

Special Considerations

If brush clearing or site preparation by tractor windrowing is considered as a reforestation technique, care should be taken to avoid removal of the upper part of the surface layer because the soils have nutrients concentrated there. Removal of the surface layer may increase mortality and reduce productivity. Windrows should be constructed on the contour to avoid soil erosion resulting from surface runoff concentration. Windrow piles should extend entirely across the cleared slope to catch the surface runoff, or extend beyond the ends of piles downslope. Decreasing the downslope distance between windrow piles can reduce soil erosion.

Many soils in the Almanor Basin are suited to growing sugar pine. White pine blister rust is a problem in sugar pine. Species of Ribes are an alternate host to the blister rust. Because of this potential problem with sugar pine survival, sugar pine is not recommended for reforestation in areas where Ribes plants are present in the understory.

Windbreaks and Environmental Plantings

Windbreaks protect livestock, buildings, yards, fruit trees, gardens, and cropland from wind and snow; help to keep snow on fields; and provide food and cover for wildlife. Field windbreaks are narrow plantings made at right angles to the prevailing wind and at specific intervals across the field. The intervals depend on the erodibility of the soil.

Environmental plantings help to beautify and screen houses and other buildings and to abate noise. The plants, mostly evergreen shrubs and trees, are closely spaced. To ensure plant survival, a healthy planting stock of suitable species should be planted properly on a well-prepared site and maintained in good condition.

Additional information on planning windbreaks and screens and planting and caring for trees and shrubs can be obtained from the local office of the Natural Resources Conservation Service or of the Cooperative Extension Service or from a commercial nursery.

Engineering

This section provides information for planning land uses related to urban development and to water management. Soils are rated for various uses, and the most limiting features are identified. Ratings are given for construction materials and water management. The ratings are based on observed performance of the soils

and on the data in the tables described under the heading "Soil Properties." Additional ratings for building site development and sanitary facilities are available from the local office of the NRCS.

Information in this section is intended for land use planning, for evaluating land use alternatives, and for planning site investigations prior to design and construction. The information, however, has limitations. For example, estimates and other data generally apply only to that part of the soil between the surface and a depth of 5 to 7 feet. Because of the map scale, small areas of different soils may be included within the mapped areas of a specific soil.

The information is not site specific and does not eliminate the need for onsite investigation of the soils or for testing and analysis by personnel experienced in the design and construction of engineering works.

Government ordinances and regulations that restrict certain land uses or impose specific design criteria were not considered in preparing the information in this section. Local ordinances and regulations should be considered in planning, in site selection, and in design.

Soil properties, site features, and observed performance were considered in determining the ratings in this section. During the fieldwork for this soil survey, determinations were made about particle-size distribution, liquid limit, plasticity index, soil reaction, depth to bedrock, hardness of bedrock within 5 to 7 feet of the surface, soil wetness, depth to a water table, ponding, slope, likelihood of flooding, natural soil structure aggregation, and soil density. Data were collected about kinds of clay minerals, mineralogy of the sand and silt fractions, and the kinds of adsorbed cations. Estimates were made for erodibility, permeability, corrosivity, shrink-swell potential, available water capacity, and other behavioral characteristics affecting engineering uses.

This information can be used to evaluate the potential of areas for residential, commercial, industrial, and recreational uses; make preliminary estimates of construction conditions; evaluate alternative routes for roads, streets, highways, pipelines, and underground cables; evaluate alternative sites for sanitary landfills, septic tank absorption fields, and sewage lagoons; plan detailed onsite investigations of soils and geology; locate potential sources of gravel, sand, earthfill, and topsoil; plan drainage systems, irrigation systems, ponds, terraces, and other structures for soil and water conservation; and predict performance of proposed small structures and pavements by comparing the performance of existing similar structures on the same or similar soils.

The information in the tables, along with the soil maps, the soil descriptions, and other data provided in this survey, can be used to make additional interpretations.

Some of the terms used in this soil survey have a special meaning in soil science and are defined in the Glossary.

Construction Materials

Tables 14 and 15, "Construction Materials," gives information about the soils as potential sources of gravel, sand, topsoil, reclamation material, and roadfill. Normal compaction, minor processing, and other standard construction practices are assumed.

Sand and *gravel* are natural aggregates suitable for commercial use with a minimum of processing. They are used in many kinds of construction. Specifications for each use vary widely. In table 14, "Construction Materials," only the likelihood of finding material in suitable quantity is evaluated. The suitability of the material for specific purposes is not evaluated, nor are factors that affect excavation of the material. The properties used to evaluate the soil as a source of sand or gravel are gradation of grain sizes (as indicated by the Unified classification of the soil), the thickness of suitable material, and the content of rock fragments. If the bottom layer of the soil contains sand or gravel, the soil is considered a likely source regardless of thickness. The assumption is that the sand or gravel layer below the depth of observation exceeds the minimum thickness.

In table 14, "Construction Materials," the soils are rated *good, fair,* or *poor* as potential sources of sand and gravel. A rating of *good* or fair means that the source material is likely to be in or below the soil. The bottom layer and the thickest layer of the soils are assigned numerical ratings. These ratings indicate the likelihood that the layer is a source of sand or gravel. The number 0.00 indicates that the layer is a poor source. The number 1.00 indicates that the layer is a good source. A number between 0.00 and 1.00 indicates the degree to which the layer is a likely source.

In table 15, "Construction Materials", the soils are rated *good, fair,* or *poor* as potential sources of topsoil, reclamation material, and roadfill. The features that limit the soils as sources of these materials are specified in the tables. The numerical ratings given after the specified features indicate the degree to which the features limit the soils as sources of topsoil, reclamation material, or roadfill. The lower the number, the greater the limitation.

Topsoil is used to cover an area so that vegetation can be established and maintained. The upper 40 inches of a soil is evaluated for use as topsoil. Also evaluated is the reclamation potential of the borrow area. The ratings are based on the soil properties that affect plant growth; the ease of excavating, loading, and spreading the material; and reclamation of the borrow area. Toxic substances, soil reaction, and the properties that are inferred from soil texture, such as available water capacity and fertility, affect plant growth. The ease of excavating, loading, and spreading is affected by rock fragments, slope, depth to a water table, soil texture, and thickness of suitable material. Reclamation of the borrow

area is affected by slope, depth to a water table, rock fragments, depth to bedrock or a cemented pan, and toxic material.

The surface layer of most soils is generally preferred for topsoil because of its organic matter content. Organic matter greatly increases the absorption and retention of moisture and nutrients for plant growth.

Reclamation material is used in areas that have been drastically disturbed by surface mining or similar activities. When these areas are reclaimed, layers of soil material or unconsolidated geological material, or both, are replaced in a vertical sequence. The reconstructed soil favors plant growth. The ratings in the table do not apply to quarries and other mined areas that require an offsite source of reconstruction material. The ratings are based on the soil properties that affect erosion and stability of the surface and the productive potential of the reconstructed soil. These properties include the content of sodium, salts, and calcium carbonate; reaction; available water capacity; erodibility; texture; content of rock fragments; and content of organic matter and other features that affect fertility.

Roadfill is soil material that is excavated in one place and used in road embankments in another place. In this table, the soils are rated as a source of roadfill for low embankments, generally less than 6 feet high and less exacting in design than higher embankments.

The ratings are for the whole soil, from the surface to a depth of about 5 feet. It is assumed that soil layers will be mixed when the soil material is excavated and spread.

The ratings are based on the amount of suitable material and on soil properties that affect the ease of excavation and the performance of the material after it is in place. The thickness of the suitable material is a major consideration. The ease of excavation is affected by large stones, depth to a water table, and slope. How well the soil performs in place after it has been compacted and drained is determined by its strength (as inferred from the AASHTO classification of the soil) and linear extensibility (shrink-swell potential).

Water Management

Table 16, "Water Management", gives information on the soil properties and site features that affect water management. The degree and kind of soil limitations are given for pond reservoir areas; embankments, dikes, and levees; and aquifer-fed excavated ponds. The ratings are both verbal and numerical. Rating class terms indicate the extent to which the soils are limited by all of the soil features that affect these uses. *Not limited* indicates that the soil has features that are very favorable for the specified use. Good performance and very low maintenance can be expected. *Somewhat limited* indicates that the soil has features that are moderately favorable for the specified use. The limitations can be overcome or minimized by special planning, design, or installation. Fair performance and moderate maintenance can be expected. *Very limited* indicates that the soil has one or more features that are unfavorable for the specified use. The limitations generally cannot be overcome without major soil reclamation, special design, or expensive installation procedures. Poor performance and high maintenance can be expected.

Numerical ratings in the tables indicate the severity of individual limitations. The ratings are shown as decimal fractions ranging from 0.01 to 1.00. They indicate gradations between the point at which a soil feature has the greatest negative impact on the use (1.00) and the point at which the soil feature is not a limitation (0.00).

Pond reservoir areas hold water behind a dam or embankment. Soils best suited to this use have low seepage potential in the upper 60 inches. The seepage potential is determined by the permeability of the soil and the depth to fractured bedrock or other permeable material. Excessive slope can affect the storage capacity of the reservoir area.

Embankments, dikes, and levees are raised structures of soil material, generally less than 20 feet high, constructed to impound water or to protect land against overflow. Embankments that have zoned construction (core and shell) are not considered. In this table, the soils are rated as a source of material for embankment fill. The ratings apply to the soil material below the surface layer to a depth of about 5 feet. It is assumed that soil layers will be uniformly mixed and compacted during construction.

The ratings do not indicate the ability of the natural soil to support an embankment. Soil properties to a depth even greater than the height of the embankment can affect performance and safety of the embankment. Generally, deeper onsite investigation is needed to determine these properties.

Soil material in embankments must be resistant to seepage, piping, and erosion and have favorable compaction characteristics. Unfavorable features include less than 5 feet of suitable material and a high content of stones or boulders, organic matter, or salts or sodium. A high water table affects the amount of usable material. It also affects trafficability.

Aquifer-fed excavated ponds are pits or dugouts that extend to a ground-water aquifer or to a depth below a permanent water table. Excluded are ponds that are fed only by surface runoff and embankment ponds that impound water 3 feet or more above the original surface. Excavated ponds are affected by depth to a permanent water table, permeability of the aquifer, and quality of the water as inferred from the salinity of the soil. Depth to bedrock and the content of large stones affect the ease of excavation.

Soil Properties

Data relating to soil properties are collected during the course of the soil survey.

Soil properties are ascertained by field examination of the soils and by laboratory index testing of some benchmark soils. Established standard procedures are followed. During the survey, many shallow borings are made and examined to identify and classify the soils and to delineate them on the soil maps. Samples are taken from some typical profiles and tested in the laboratory to determine particle-size distribution, plasticity, and compaction characteristics.

Estimates of soil properties are based on field examinations, on laboratory tests of samples from the survey area, and on laboratory tests of samples of similar soils in nearby areas. Tests verify field observations, verify properties that cannot be estimated accurately by field observation, and help to characterize key soils.

The estimates of soil properties are shown in tables. They include engineering index properties, physical and chemical properties, and pertinent soil and water features.

Engineering Index Properties

Table 17, "Engineering Index Properties," gives the engineering classifications and the range of index properties for the layers of each soil in the survey area.

Depth to the upper and lower boundaries of each layer is indicated.

Texture is given in the standard terms used by the U.S. Department of Agriculture. These terms are defined according to percentages of sand, silt, and clay in the fraction of the soil that is less than 2 millimeters in diameter. "Loam," for example, is soil that is 7 to 27 percent clay, 28 to 50 percent silt, and less than 52 percent sand. If the content of particles coarser than sand is 15 percent or more, an appropriate modifier is added, for example, "gravelly." Textural terms are defined in the Glossary.

Classification of the soils is determined according to the Unified soil classification system (2) and the system adopted by the American Association of State Highway and Transportation Officials (1).

The Unified system classifies soils according to properties that affect their use as construction material. Soils are classified according to particle-size distribution of the fraction less than 3 inches in diameter and according to plasticity index, liquid limit, and organic matter content. Sandy and gravelly soils are identified as GW, GP, GM, GC, SW, SP, SM, and SC; silty and clayey soils as ML, CL, OL, MH, CH, and OH; and highly organic soils as PT. Soils exhibiting engineering properties of two groups can have a dual classification, for example, CL-ML.

The AASHTO system classifies soils according to those properties that affect roadway construction and maintenance. In this system, the fraction of a mineral soil that is less than 3 inches in diameter is classified in one of seven groups from A-1 through A-7 on the basis of particle-size distribution, liquid limit, and plasticity index. Soils in group A-1 are coarse grained and low in content of fines (silt and clay). At the other extreme, soils in group A-7 are fine grained. Highly organic soils are classified in group A-8 on the basis of visual inspection.

If laboratory data are available, the A-1, A-2, and A-7 groups are further classified as A-1-a, A-1-b, A-2-4, A-2-5, A-2-6, A-2-7, A-7-5, or A-7-6. As an additional refinement, the suitability of a soil as subgrade material can be indicated by a group index number. Group index numbers range from 0 for the best subgrade material to 20 or higher for the poorest.

Rock fragments larger than 10 inches in diameter and 3 to 10 inches in diameter are indicated as a percentage of the total soil on a dry-weight basis. The percentages are estimates determined mainly by converting volume percentage in the field to weight percentage.

Percentage (of soil particles) passing designated sieves is the percentage of the soil fraction less than 3 inches in diameter based on an ovendry weight. The sieves, numbers 4, 10, 40, and 200 (USA Standard

Series), have openings of 4.76, 2.00, 0.420, and 0.074 millimeters, respectively. Estimates are based on laboratory tests of soils sampled in the survey area and in nearby areas and on estimates made in the field. *Liquid limit* and *plasticity index* (Atterberg limits) indicate the plasticity characteristics of a soil. The estimates are based on test data from the survey area or from nearby areas and on field examination.

The estimates of particle-size distribution, liquid limit, and plasticity index are generally rounded to the nearest 5 percent. Thus, if the ranges of gradation and Atterberg limits extend a marginal amount (1 or 2 percentage points) across classification boundaries, the classification in the marginal zone is generally omitted in the table.

Physical Properties

Table 18, "Physical Properties of the Soils," shows estimates of some physical characteristics and features that affect soil behavior. These estimates are given for the layers of each soil in the survey area. The estimates are based on field observations and on test data for these and similar soils.

Depth to the upper and lower boundaries of each layer is indicated.

Particle size is the effective diameter of a soil particle as measured by sedimentation, sieving, or micrometric methods. Particle sizes are expressed as classes with specific effective diameter class limits. The broad classes are sand, silt, and clay, ranging from the larger to the smaller.

Clay as a soil separate consists of mineral soil particles that are less than 0.002 millimeter in diameter. In table 18, the estimated clay content of each soil layer is given as a percentage, by weight, of the soil material that is less than 2 millimeters in diameter.

The content of sand, silt, and clay affects the physical behavior of a soil. Particle size is important for engineering and agronomic interpretations, for determination of soil hydrologic qualities, and for soil classification.

The amount and kind of clay affect the fertility and physical condition of the soil and the ability of the soil to adsorb cations and to retain moisture. They influence shrink-swell potential, permeability, plasticity, the ease of soil dispersion, and other soil properties. The amount and kind of clay in a soil also affect tillage and earthmoving operations.

Moist bulk density is the weight of soil (ovendry) per unit volume. Volume is measured when the soil is at field moisture capacity, that is, the moisture content at 1/3 or 1/10 bar (33kPa or 10kPa) moisture tension. Weight is determined after the soil is dried at 105 degrees C. In the table, the estimated moist bulk density of each soil horizon is expressed in grams per cubic centimeter of soil material that is less than 2 millimeters in diameter. Bulk density data are used to compute shrink-swell potential, available water capacity, total pore space, and other soil properties. The moist bulk density of a soil indicates the pore space available for water and roots. Depending on soil texture, a bulk density of more than 1.4 can restrict water storage and root penetration. Moist bulk density is influenced by texture, kind of clay, content of organic matter, and soil structure.

Permeability (Ksat) refers to the ability of a soil to transmit water or air. The term "permeability," as used in soil surveys, indicates saturated hydraulic conductivity (Ksat). The estimates in the table indicate the rate of water movement, in inches per hour, when the soil is saturated. They are based on soil characteristics observed in the field, particularly structure, porosity, and texture. Permeability is considered in the design of soil drainage systems and septic tank absorption fields.

Available water capacity refers to the quantity of water that the soil is capable of storing for use by plants. The capacity for water storage is given in inches of water per inch of soil for each soil layer. The capacity varies, depending on soil properties that affect retention of water. The most important properties are the content of organic matter, soil texture, bulk density, and soil structure. Available water capacity is an important factor in the choice of plants or crops to be grown and in the design and management of irrigation systems. Available water capacity is not an estimate of the quantity of water actually available to plants at any given time.

Linear extensibility refers to the change in length of an unconfined clod as moisture content is decreased from a moist to a dry state. It is an expression of the volume change between the water content of the clod at 1/3 or 1/10 bar tension (33kPa or 10kPa tension) and oven dryness. The volume change is reported in the table as percent change for the whole soil. Volume change is influenced by the amount and type of clay minerals in the soil.

Linear extensibility is used to determine the shrink-swell potential of soils. The shrink-swell potential is low if the soil has a linear extensibility of less than 3 percent; moderate if 3 to 6 percent; high if 6 to 9 percent; and very high if more than 9 percent. If the linear extensibility is more than 3, shrinking and swelling can cause damage to buildings, roads, and other structures and to plant roots. Special design commonly is needed.

Organic matter is the plant and animal residue in the soil at various stages of decomposition. In table 18, "Physical Properties of the Soils", the estimated content

of organic matter is expressed as a percentage, by weight, of the soil material that is less than 2 millimeters in diameter.

The content of organic matter in a soil can be maintained by returning crop residue to the soil. Organic matter has a positive effect on available water capacity, water infiltration, soil organism activity, and tilth. It is a source of nitrogen and other nutrients for crops and soil organisms.

Erosion factors are shown in table 18 as the K factor (Kw and Kf) and the T factor. Erosion factor K indicates the susceptibility of a soil to sheet and rill erosion by water. Factor K is one of several factors used in the Universal Soil Loss Equation (USLE) and the Revised Universal Soil Loss Equation (RUSLE) to predict the average annual rate of soil loss by sheet and rill erosion in tons per acre per year. The estimates are based primarily on percentage of silt, sand, and organic matter and on soil structure and permeability. Values of K range from 0.02 to 0.69. Other factors being equal, the higher the value, the more susceptible the soil is to sheet and rill erosion by water.

Erosion factor Kw indicates the erodibility of the whole soil. The estimates are modified by the presence of rock fragments.

Erosion factor Kf indicates the erodibility of the fine-earth fraction, or the material less than 2 millimeters in size.

Erosion factor T is an estimate of the maximum average annual rate of soil erosion by wind or water that can occur without affecting crop productivity over a sustained period. The rate is in tons per acre per year.

Wind erodibility groups are made up of soils that have similar properties affecting their susceptibility to wind erosion in cultivated areas. The soils assigned to group 1 are the most susceptible to wind erosion, and those assigned to group 8 are the least susceptible. The groups are as follows:

1. Coarse sands, sands, fine sands, and very fine sands.
2. Loamy coarse sands, loamy sands, loamy fine sands, loamy very fine sands, ash material, and sapric soil material.
3. Coarse sandy loams, sandy loams, fine sandy loams, and very fine sandy loams.

4L. Calcareous loams, silt loams, clay loams, and silty clay loams.

4. Clays, silty clays, noncalcareous clay loams, and silty clay loams that are more than 35 percent clay.
5. Noncalcareous loams and silt loams that are less than 20 percent clay and sandy clay loams, sandy clays, and hemic soil material.
6. Noncalcareous loams and silt loams that are more than 20 percent clay and noncalcareous clay loams that are less than 35 percent clay.
7. Silts, noncalcareous silty clay loams that are less than 35 percent clay, and fibric soil material.
8. Soils that are not subject to wind erosion because of rock fragments on the surface or because of surface wetness.

Wind erodibility index is a numerical value indicating the susceptibility of soil to wind erosion, or the tons per acre per year that can be expected to be lost to wind erosion. There is a close correlation between wind erosion and the texture of the surface layer, the size and durability of surface clods, rock fragments, organic matter, and a calcareous reaction. Soil moisture and frozen soil layers also influence wind erosion.

Chemical Properties

Table 19, "Chemical Properties of the Soils," shows estimates of some chemical characteristics and features that affect soil behavior. These estimates are given for the layers of each soil in the survey area. The estimates are based on field observations and on test data for these and similar soils.

Depth to the upper and lower boundaries of each layer is indicated.

Cation-exchange capacity is the total amount of extractable bases that can be held by the soil, expressed in terms of milliequivalents per 100 grams of soil at neutrality (pH 7.0) or at some other stated pH value. Soils having a low cation-exchange capacity hold fewer cations and may require more frequent applications of fertilizer than soils having a high cation-exchange capacity. The ability to retain cations reduces the hazard of ground-water pollution.

Effective cation-exchange capacity refers to the sum of extractable bases plus aluminum expressed in terms of milliequivalents per 100 grams of soil. It is determined for soils that have pH of less than 5.5.

Soil reaction is a measure of acidity or alkalinity. The pH of each soil horizon is based on many field tests. For many soils, values have been verified by laboratory analyses. Soil reaction is important in selecting crops and other plants, in evaluating soil amendments for fertility and stabilization, and in determining the risk of corrosion.

Calcium carbonate equivalent is the percent of carbonates, by weight, in the fraction of the soil less than 2 millimeters in size. The availability of plant nutrients is influenced by the amount of carbonates in the soil.

Incorporating nitrogen fertilizer into calcareous soils helps to prevent nitrite accumulation and ammonium-N volatilization.

Gypsum is expressed as a percent, by weight, of hydrated calcium sulfates in the fraction of the soil less than 20 millimeters in size. Gypsum is partially soluble in water. Soils that have a high content of gypsum may collapse if the gypsum is removed by percolating water.

Salinity is a measure of soluble salts in the soil at saturation. It is expressed as the electrical conductivity of the saturation extract, in millimhos per centimeter at 25 degrees C. Estimates are based on field and laboratory measurements at representative sites of nonirrigated soils. The salinity of irrigated soils is affected by the quality of the irrigation water and by the frequency of water application. Hence, the salinity of soils in individual fields can differ greatly from the value given in the table. Salinity affects the suitability of a soil for crop production, the stability of soil if used as construction material, and the potential of the soil to corrode metal and concrete.

Sodium adsorption ratio (SAR) is a measure of the amount of sodium (Na) relative to calcium (Ca) and magnesium (Mg) in the water extract from saturated soil paste. It is the ratio of the Na concentration divided by the square root of one-half of the Ca + Mg concentration. Soils that have SAR values of 13 or more may be characterized by an increased dispersion of organic matter and clay particles, reduced permeability and aeration, and a general degradation of soil structure.

Soil Features

Table 20, "Soil Features," gives estimates of various soil features. The estimates are used in land use planning that involves engineering considerations.

A *restrictive layer* is a nearly continuous layer that has one or more physical, chemical, or thermal properties that significantly impede the movement of water and air through the soil or restrict roots or otherwise provide an unfavorable root environment. Examples are bedrock, cemented layers, dense layers, and frozen layers. The table indicates the hardness and thickness of the restrictive layer, both of which significantly affect the ease of excavation. *Depth to top* is the vertical distance from the soil surface to the upper boundary of the restrictive layer.

Subsidence is the settlement of organic soils or of saturated mineral soils of very low density. Subsidence generally results from either desiccation and shrinkage or oxidation of organic material, or both, following drainage. Subsidence takes place gradually, usually over a period of several years.

Potential for frost action is the likelihood of upward or lateral expansion of the soil caused by the formation of segregated ice lenses (frost heave) and the subsequent collapse of the soil and loss of strength on thawing. Frost action occurs when moisture moves into the freezing zone of the soil. Temperature, texture, density, permeability, content of organic matter, and depth to the water table are the most important factors considered in evaluating the potential for frost action. It is assumed that the soil is not insulated by vegetation or snow and is not artificially drained. Silty and highly structured, clayey soils that have a high water table in winter are the most susceptible to frost action. Well drained, very gravelly, or very sandy soils are the least susceptible. Frost heave and low soil strength during thawing cause damage to pavements and other rigid structures.

Risk of corrosion pertains to potential soil-induced electrochemical or chemical action that corrodes or weakens uncoated steel or concrete. The rate of corrosion of uncoated steel is related to such factors as soil moisture, particle-size distribution, acidity, and electrical conductivity of the soil. The rate of corrosion of concrete is based mainly on the sulfate and sodium content, texture, moisture content, and acidity of the soil. Special site examination and design may be needed if the combination of factors results in a severe hazard of corrosion. The steel or concrete in installations that intersect soil boundaries or soil layers is more susceptible to corrosion than the steel or concrete in installations that are entirely within one kind of soil or within one soil layer.

For uncoated steel, the risk of corrosion, expressed as *low, moderate,* or *high,* is based on soil drainage class, total acidity, electrical resistivity near field capacity, and electrical conductivity of the saturation extract.

For concrete, the risk of corrosion also is expressed as *low, moderate*, or *high*. It is based on soil texture, acidity, and amount of sulfates in the saturation extract.

Water Features

Table 21, "Water Features," gives estimates of various water features. The estimates are used in land use planning that involves engineering considerations.

Hydrologic soil groups are based on estimates of runoff potential. Soils are assigned to one of four groups according to the rate of water infiltration when the soils are not protected by vegetation, are thoroughly wet, and receive precipitation from long-duration storms.

The four hydrologic soil groups are:

Group A. Soils having a high infiltration rate (low runoff potential) when thoroughly wet. These consist mainly of deep, well drained to excessively drained

sands or gravelly sands. These soils have a high rate of water transmission.

Group B. Soils having a moderate infiltration rate when thoroughly wet. These consist chiefly of moderately deep or deep, moderately well drained or well drained soils that have moderately fine texture to moderately coarse texture. These soils have a moderate rate of water transmission.

Group C. Soils having a slow infiltration rate when thoroughly wet. These consist chiefly of soils having a layer that impedes the downward movement of water or soils of moderately fine texture or fine texture. These soils have a slow rate of water transmission.

Group D. Soils having a very slow infiltration rate (high runoff potential) when thoroughly wet. These consist chiefly of clays that have a high shrink-swell potential, soils that have a high water table, soils that have a claypan or clay layer at or near the surface, and soils that are shallow over nearly impervious material. These soils have a very slow rate of water transmission.

If a soil is assigned to a dual hydrologic group (A/D, B/D, or C/D), the first letter is for drained areas and the second is for undrained areas.

The *months* in the table indicate the portion of the year in which the feature is most likely to be a concern.

Water table refers to a saturated zone in the soil. Table 21 indicates, by month, depth to the top (*upper limit*) and base (*lower limit*) of the saturated zone in most years. Estimates of the upper and lower limits are based mainly on observations of the water table at selected sites and on evidence of a saturated zone, namely grayish colors or mottles (redoximorphic features) in the soil. A saturated zone that lasts for less than a month is not considered a water table.

Ponding is standing water in a closed depression. Unless a drainage system is installed, the water is removed only by percolation, transpiration, or evaporation. Table 21 indicates *surface water depth* and the *duration* and *frequency* of ponding. Duration is expressed as *very brief* if less than 2 days, *brief* if 2 to 7 days, *long* if 7 to 30 days, and *very long* if more than 30 days. Frequency is expressed as none, rare, occasional, and frequent. *None* means that ponding is not probable; *rare* that it is unlikely but possible under unusual weather conditions (the chance of ponding is nearly 0 percent to 5 percent in any year); *occasional* that it occurs, on the average, once or less in 2 years (the chance of ponding is 5 to 50 percent in any year); and *frequent* that it occurs, on the average, more than once in 2 years (the chance of ponding is more than 50 percent in any year).

Flooding is the temporary inundation of an area caused by overflowing streams, by runoff from adjacent slopes, or by tides. Water standing for short periods after rainfall or snowmelt is not considered flooding, and water standing in swamps and marshes is considered ponding rather than flooding.

Duration and *frequency* are estimated. Duration is expressed as *extremely brief* if 0.1 hour to 4 hours, *very brief* if 4 hours to 2 days, *brief* if 2 to 7 days, *long* if 7 to 30 days, and *very long* if more than 30 days. Frequency is expressed as none, very rare, rare, occasional, frequent, and very frequent. *None* means that flooding is not probable; *very rare* that it is very unlikely but possible under extremely unusual weather conditions (the chance of flooding is less than 1 percent in any year); *rare* that it is unlikely but possible under unusual weather conditions (the chance of flooding is 1 to 5 percent in any year); *occasional* that it occurs infrequently under normal weather conditions (the chance of flooding is 5 to 50 percent in any year); *frequent* that it is likely to occur often under normal weather conditions (the chance of flooding is more than 50 percent in any year but is less than 50 percent in all months in any year); and *very frequent* that it is likely to occur very often under normal weather conditions (the chance of flooding is more than 50 percent in all months of any year).

The information is based on evidence in the soil profile, namely thin strata of gravel, sand, silt, or clay deposited by floodwater; irregular decrease in organic matter content with increasing depth; and little or no horizon development.

Also considered is the local information about the extent and levels of flooding and the relation of each soil on the landscape to historic floods. Information on the extent of flooding based on soil data is less specific than that provided by detailed engineering surveys that delineate flood-prone areas at specific flood frequency levels.

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Glossary

ABC soil. A soil having an A, a B, and a C horizon.

Ablation till. Loose, permeable till deposited during the final downwasting of glacial ice. Lenses of crudely sorted sand and gravel are common.

AC soil. A soil having only an A and a C horizon. Commonly, such soil formed in recent alluvium or on steep, rocky slopes.

Aeration, soil. The exchange of air in soil with air from the atmosphere. The air in a well aerated soil is similar to that in the atmosphere; the air in a poorly aerated soil is considerably higher in carbon dioxide and lower in oxygen.

Aggregate, soil. Many fine particles held in a single mass or cluster. Natural soil aggregates, such as granules, blocks, or prisms, are called peds. Clods are aggregates produced by tillage or logging.

Alkali (sodic) soil. A soil having so high a degree of alkalinity (pH 8.5 or higher) or so high a percentage of exchangeable sodium (15 percent or more of the total exchangeable bases), or both, that plant growth is restricted.

Alluvial cone. The material washed down the sides of mountains and hills by ephemeral streams and deposited at the mouth of gorges in the form of a moderately steep, conical mass descending equally in all directions from the point of issue.

Alluvial fan. The fanlike deposit of a stream where it issues from a gorge upon a plain or of a tributary stream near or at its junction with its main stream.

Alluvium. Material, such as sand, silt, or clay, deposited on land by streams.

Alpha,alpha-dipyridyl. A dye that when dissolved in 1N ammonium acetate is used to detect the presence of reduced iron (Fe II) in the soil. A positive reaction indicates a type of redoximorphic feature.

Animal unit month (AUM). The amount of forage required by one mature cow of approximately 1,000 pounds weight, with or without a calf, for 1 month.

Aquic conditions. Current soil wetness characterized by saturation, reduction, and redoximorphic features.

Argillic horizon. A subsoil horizon characterized by an accumulation of illuvial clay.

Arroyo. The flat-floored channel of an ephemeral stream, commonly with very steep to vertical banks cut in alluvium.

Aspect. The direction in which a slope faces.

Association, soil. A group of soils or miscellaneous areas geographically associated in a characteristic repeating pattern and defined and delineated as a single map unit.

Available water capacity (available moisture capacity). The capacity of soils to hold water available for use by most plants. It is commonly defined as the difference between the amount of soil water at field moisture capacity and the amount at wilting point. It is commonly expressed as inches of water per inch of soil. The capacity, in inches, in a 60-inch profile or to a limiting layer is expressed as:

Very low	0 to 3
Low	3 to 6
Moderate	6 to 9
High	9 to 12
Very high	more than 12

Back slope. The position that forms the steepest and generally linear, middle portion of a hillslope. In profile, back slopes are commonly bounded by a convex shoulder above and a concave footslope below.

Badland. Steep or very steep, commonly nonstony, barren land dissected by many intermittent drainage channels. Badland is most common in semiarid and arid regions where streams are entrenched in soft geologic material. Local relief generally ranges from 25 to 500 feet. Runoff potential is very high, and geologic erosion is active.

Bajada. A broad alluvial slope extending from the base of a mountain range out into a basin and formed by coalescence of separate alluvial fans.

Basal area. The area of a cross section of a tree, generally referring to the section at breast height and measured outside the bark. It is a measure of stand density, commonly expressed in square feet.

Basal till. Compact glacial till deposited beneath the ice.

Base saturation. The degree to which material having cation-exchange properties is saturated with exchangeable bases (sum of Ca, Mg, Na, and K), expressed as a percentage of the total cation-exchange capacity.

Base slope. A geomorphic component of hills consisting of the concave to linear (perpendicular to the contour) slope that, regardless of the lateral shape, forms an apron or wedge at the bottom of a hillside dominated by colluvium and slope-wash sediments (for example, slope alluvium).

Bedding planes. Fine strata, less than 5 millimeters thick, in unconsolidated alluvial, eolian, lacustrine, or marine sediment.

Bedding system. A drainage system made by plowing, grading, or otherwise shaping the surface of a flat field. It consists of a series of low ridges separated by shallow, parallel dead furrows.

Bedrock. The solid rock that underlies the soil and other unconsolidated material or that is exposed at the surface.

Bedrock-controlled topography. A landscape where the configuration and relief of the landforms are determined or strongly influenced by the underlying bedrock.

Bench terrace. A raised, level or nearly level strip of earth constructed on or nearly on a contour, supported by a barrier of rocks or similar material, and designed to make the soil suitable for tillage and to prevent accelerated erosion.

Bisequum. Two sequences of soil horizons, each of which consists of an illuvial horizon and the overlying eluvial horizons.

Blowout. A shallow depression from which all or most of the soil material has been removed by the wind. A blowout has a flat or irregular floor formed by a resistant layer or by an accumulation of pebbles or cobbles. In some blowouts the water table is exposed.

Bottom land. The normal flood plain of a stream, subject to flooding.

Boulders. Rock fragments larger than 2 feet (60 centimeters) in diameter.

Breaks. The steep and very steep broken land at the border of an upland summit that is dissected by ravines.

Breast height. An average height of 4.5 feet above the ground surface; the point on a tree where diameter measurements are ordinarily taken.

Brush management. Use of mechanical, chemical, or biological methods to make conditions favorable for reseeding or to reduce or eliminate competition from woody vegetation and thus allow understory grasses and forbs to recover. Brush management increases forage production and thus reduces the hazard of erosion. It can improve the habitat for some species of wildlife.

Butte. An isolated small mountain or hill with steep or precipitous sides and a top variously flat, rounded, or pointed that may be a residual mass isolated by erosion or an exposed volcanic neck.

Cable yarding. A method of moving felled trees to a nearby central area for transport to a processing facility. Most cable yarding systems involve use of a drum, a pole, and wire cables in an arrangement similar to that of a rod and reel used for fishing. To reduce friction and soil disturbance, felled trees generally are reeled in while one end is lifted or the entire log is suspended.

Calcareous soil. A soil containing enough calcium carbonate (commonly combined with magnesium carbonate) to effervesce visibly when treated with cold, dilute hydrochloric acid.

Caliche. A more or less cemented deposit of calcium carbonate in soils of warm-temperate, subhumid to arid areas. Caliche occurs as soft, thin layers in the soil or as hard, thick beds directly beneath the solum, or it is exposed at the surface by erosion.

California bearing ratio (CBR). The load-supporting capacity of a soil as compared to that of standard crushed limestone, expressed as a ratio. First standardized in California. A soil having a CBR of 16 supports 16 percent of the load that would be supported by standard crushed limestone, per unit area, with the same degree of distortion.

Canopy. The leafy crown of trees or shrubs. (See Crown.)

Canyon. A long, deep, narrow, very steep sided valley with high, precipitous walls in an area of high local relief.

Capillary water. Water held as a film around soil particles and in tiny spaces between particles. Surface tension is the adhesive force that holds capillary water in the soil.

Catena. A sequence, or "chain," of soils on a landscape that formed in similar kinds of parent material but have different characteristics as a result of differences in relief and drainage.

Cation. An ion carrying a positive charge of electricity. The common soil cations are calcium, potassium, magnesium, sodium, and hydrogen.

Cation-exchange capacity. The total amount of exchangeable cations that can be held by the soil, expressed in terms of milliequivalents per 100 grams of soil at neutrality (pH 7.0) or at some other stated pH value. The term, as applied to soils, is synonymous with base-exchange capacity but is more precise in meaning.

Catsteps. Very small, irregular terraces on steep hillsides, especially in pasture, formed by the trampling of cattle or the slippage of saturated soil.

Cement rock. Shaly limestone used in the manufacture of cement.

Channery soil material. Soil material that has, by volume, 15 to 35 percent thin, flat fragments of sandstone, shale, slate, limestone, or schist as much as 6 inches (15 centimeters) along the longest axis. A single piece is called a channer.

Chemical treatment. Control of unwanted vegetation through the use of chemicals.

Chiseling. Tillage with an implement having one or more soil-penetrating points that shatter or loosen hard, compacted layers to a depth below normal plow depth.

Cirque. A semicircular, concave, bowllike area that has steep faces primarily resulting from glacial ice and snow abrasion.

Clay. As a soil separate, the mineral soil particles less than 0.002 millimeter in diameter. As a soil textural class, soil material that is 40 percent or more clay, less than 45 percent sand, and less than 40 percent silt.

Clay depletions. Low-chroma zones having a low content of iron, manganese, and clay because of the chemical reduction of iron and manganese and the removal of iron, manganese, and clay. A type of redoximorphic depletion.

Clay film. A thin coating of oriented clay on the surface of a soil aggregate or lining pores or root channels. Synonyms: clay coating, clay skin.

Claypan. A slowly permeable soil horizon that contains much more clay than the horizons above it. A claypan is commonly hard when dry and plastic or stiff when wet.

Climax plant community. The stabilized plant community on a particular site. The plant cover reproduces itself and does not change so long as the environment remains the same.

Coarse textured soil. Sand or loamy sand.

Cobble (or cobblestone). A rounded or partly rounded fragment of rock 3 to 10 inches (7.6 to 25 centimeters) in diameter. Material that has 15 to 35 percent, by volume, rounded or partially rounded rock fragments 3 to 10 inches (7.6 to 25 centimeters) in diameter. Very cobbly soil material has 35 to 60 percent of these rock fragments, and extremely cobbly soil material has more than 60 percent.

COLE (coefficient of linear extensibility). See Linear extensibility.

Colluvium. Soil material or rock fragments, or both, moved by creep, slide, or local wash and deposited at the base of steep slopes.

Complex slope. Irregular or variable slope. Planning or establishing terraces, diversions, and other water-control structures on a complex slope is difficult.

Complex, soil. A map unit of two or more kinds of soil or miscellaneous areas in such an intricate pattern or so small in area that it is not practical to map them separately at the selected scale of mapping. The pattern and proportion of the soils or miscellaneous areas are somewhat similar in all areas.

Concretions. Cemented bodies with crude internal symmetry organized around a point, a line, or a plane. They typically take the form of concentric layers visible to the naked eye. Calcium carbonate, iron oxide, and manganese oxide are common compounds making up concretions. If formed in place, concretions of iron oxide or manganese oxide are generally considered a type of redoximorphic concentration.

Congeliturbate. Soil material disturbed by frost action.

Conglomerate. A coarse grained, clastic rock composed of rounded or subangular rock fragments more than 2 millimeters in diameter. It commonly has a matrix of sand and finer textured material. Conglomerate is the consolidated equivalent of gravel.

Conservation cropping system. Growing crops in combination with needed cultural and management practices. In a good conservation cropping system, the soil-improving crops and practices more than offset the effects of the soil-depleting crops and practices. Cropping systems are needed on all tilled soils. Soil-improving practices in a conservation cropping system include the use of rotations that contain grasses and legumes and the return of crop residue to the soil. Other practices include the use of green manure crops of grasses and legumes, proper tillage, adequate fertilization, and weed and pest control.

Conservation tillage. A tillage system that does not invert the soil and that leaves a protective amount of crop residue on the surface throughout the year.

Consistence, soil. Refers to the degree of cohesion and adhesion of soil material and its resistance to deformation when ruptured. Consistence includes resistance of soil material to rupture and to penetration; plasticity, toughness, and stickiness of puddled soil material; and the manner in which the soil material behaves when subject to compression. Terms describing consistence are defined in the "Soil Survey Manual."

Contour stripcropping. Growing crops in strips that follow the contour. Strips of grass or close-growing crops are alternated with strips of clean-tilled crops or summer fallow.

Control section. The part of the soil on which classification is based. The thickness varies among different kinds of soil, but for many it is that part of the soil profile between depths of 10 inches and 40 or 80 inches.

Coppice dune. A small dune of fine grained soil material stabilized around shrubs or small trees.

Coprogenous earth (sedimentary peat). Fecal material deposited in water by aquatic organisms.

Corrosion. Soil-induced electrochemical or chemical action that dissolves or weakens concrete or uncoated steel.

Cover crop. A close-growing crop grown primarily to improve and protect the soil between periods of regular crop production, or a crop grown between trees and vines in orchards and vineyards.

Cropping system. Growing crops according to a planned system of rotation and management practices.

Crop residue management. Returning crop residue to the soil, which helps to maintain soil structure, organic matter content, and fertility and helps to control erosion.

Cross-slope farming. Deliberately conducting farming operations on sloping farmland in such a way that tillage is across the general slope.

Crown. The upper part of a tree or shrub, including the living branches and their foliage.

Cuesta. A hill or ridge that has a gentle slope on one side and a steep slope on the other; specifically, an asymmetric, homoclinal ridge capped by resistant rock layers of slight or moderate dip.

Culmination of the mean annual increment (CMAI). The average annual increase per acre in the volume of a stand. Computed by dividing the total volume of the stand by its age. As the stand increases in age, the mean annual increment continues to increase until mortality begins to reduce the rate of increase. The point where the stand reaches its maximum annual rate of growth is called the culmination of the mean annual increment.

Cutbanks cave (in tables). The walls of excavations tend to cave in or slough.

Decreasers. The most heavily grazed climax range plants. Because they are the most palatable, they are the first to be destroyed by overgrazing.

Deferred grazing. Postponing grazing or resting grazing land for a prescribed period.

Delta. A body of alluvium having a surface that is nearly flat and fan shaped; deposited at or near the mouth of a river or stream where it enters a body of relatively quiet water, generally a sea or lake.

Dense layer (in tables). A very firm, massive layer that has a bulk density of more than 1.8 grams per cubic centimeter. Such a layer affects the ease of digging and can affect filling and compacting.

Depth, soil. Generally, the thickness of the soil over bedrock. Very deep soils are more than 60 inches deep over bedrock; deep soils, 40 to 60 inches; moderately deep, 20 to 40 inches; shallow, 10 to 20 inches; and very shallow, less than 10 inches.

Desert pavement. On a desert surface, a layer of gravel or larger fragments that was emplaced by upward movement of the underlying sediments or that remains after finer particles have been removed by running water or the wind.

Dip slope. A slope of the land surface, roughly determined by and approximately conforming to the dip of the underlying bedrock.

Diversion (or diversion terrace). A ridge of earth, generally a terrace, built to protect downslope areas by diverting runoff from its natural course.

Divided-slope farming. A form of field stripcropping in which crops are grown in a systematic arrangement of two strips, or bands, across the slope to reduce the hazard of water erosion. One strip is in a close-growing crop that provides protection from erosion, and the other strip is in a crop that provides less protection from erosion. This practice is used where slopes are not long enough to permit a full stripcropping pattern to be used.

Drainage class (natural). Refers to the frequency and duration of wet periods under conditions similar to those under which the soil formed. Alterations of the water regime by human activities, either through drainage or irrigation, are not a consideration unless they have significantly changed the morphology of the soil. Seven classes of natural soil drainage are recognized: excessively drained, somewhat excessively drained, well drained, moderately well drained, somewhat poorly drained, poorly drained, and very poorly drained. These classes are defined in the "Soil Survey Manual."

Drainage, surface. Runoff, or surface flow of water, from an area.

Draw. A small stream valley that generally is more open and has broader bottom land than a ravine or gulch.

Drumlin. A low, smooth, elongated oval hill, mound, or ridge of compact glacial till. The longer axis is parallel to the path of the glacier and commonly has a blunt nose pointing in the direction from which the ice approached.

Duff. A generally firm organic layer on the surface of mineral soils. It consists of fallen plant material that is

in the process of decomposition and includes everything from the litter on the surface to underlying pure humus.

Ecological site. An area where climate, soil, and relief are sufficiently uniform to produce a distinct natural plant community. An ecological site is the product of all the environmental factors responsible for its development. It is typified by an association of species that differ from those on other ecological sites in kind and/or proportion of species or in total production.

Eluviation. The movement of material in true solution or colloidal suspension from one place to another within the soil. Soil horizons that have lost material through eluviation are eluvial; those that have received material are illuvial.

Endosaturation. A type of saturation of the soil in which all horizons between the upper boundary of saturation and a depth of 2 meters are saturated.

Eolian soil material. Earthy parent material accumulated through wind action; commonly refers to sandy material in dunes or to loess in blankets on the surface.

Ephemeral stream. A stream, or reach of a stream, that flows only in direct response to precipitation. It receives no long-continued supply from melting snow or other source, and its channel is above the water table at all times.

Episaturation. A type of saturation indicating a perched water table in a soil in which saturated layers are underlain by one or more unsaturated layers within 2 meters of the surface.

Erosion. The wearing away of the land surface by water, wind, ice, or other geologic agents and by such processes as gravitational creep.

Erosion (geologic). Erosion caused by geologic processes acting over long geologic periods and resulting in the wearing away of mountains and the building up of such landscape features as flood plains and coastal plains. Synonym: natural erosion.

Erosion (accelerated). Erosion much more rapid than geologic erosion, mainly as a result of human or animal activities or of a catastrophe in nature, such as a fire, that exposes the surface.

Erosion pavement. A layer of gravel or stones that remains on the surface after fine particles are removed by sheet or rill erosion.

Escarpment. A relatively continuous and steep slope or cliff breaking the general continuity of more gently sloping land surfaces and resulting from erosion or faulting. Synonym: scarp.

Esker. A narrow, winding ridge of stratified gravelly and sandy drift deposited by a stream flowing in a tunnel beneath a glacier.

Extrusive rock. Igneous rock derived from deep-seated molten matter (magma) emplaced on the earth's surface.

Fallow. Cropland left idle in order to restore productivity through accumulation of moisture. Summer fallow is common in regions of limited rainfall where cereal grain is grown. The soil is tilled for at least one growing season for weed control and decomposition of plant residue.

Fan terrace. A relict alluvial fan, no longer a site of active deposition, incised by younger and lower alluvial surfaces.

Fertility, soil. The quality that enables a soil to provide plant nutrients, in adequate amounts and in proper balance, for the growth of specified plants when light, moisture, temperature, tilth, and other growth factors are favorable.

Fibric soil material (peat). The least decomposed of all organic soil material. Peat contains a large amount of well preserved fiber that is readily identifiable according to botanical origin. Peat has the lowest bulk density and the highest water content at saturation of all organic soil material.

Field moisture capacity. The moisture content of a soil, expressed as a percentage of the ovendry weight, after the gravitational, or free, water has drained away; the field moisture content 2 or 3 days after a soaking rain; also called *normal field capacity, normal moisture capacity,* or *capillary capacity*.

Fill slope. A sloping surface consisting of excavated soil material from a road cut. It commonly is on the downhill side of the road.

Fine textured soil. Sandy clay, silty clay, or clay.

Firebreak. Area cleared of flammable material to stop or help control creeping or running fires. It also serves as a line from which to work and to facilitate the movement of firefighters and equipment. Designated roads also serve as firebreaks.

First bottom. The normal flood plain of a stream, subject to frequent or occasional flooding.

Flaggy soil material. Material that has, by volume, 15 to 35 percent flagstones. Very flaggy soil material has 35 to 60 percent flagstones, and extremely flaggy soil material has more than 60 percent flagstones.

Flagstone. A thin fragment of sandstone, limestone, slate, shale, or (rarely) schist 6 to 15 inches (15 to 38 centimeters) long.

Flood plain. A nearly level alluvial plain that borders a stream and is subject to flooding unless protected artificially.

Fluvial. Of or pertaining to rivers; produced by river action, as a fluvial plain.

Foothill. A steeply sloping upland that has relief of as much as 1,000 feet (300 meters) and fringes a mountain range or high-plateau escarpment.

Footslope. The position that forms the inner, gently inclined surface at the base of a hillslope. In profile, footslopes are commonly concave. A footslope is a transition zone between upslope sites of erosion and transport (shoulders and backslopes) and downslope sites of deposition (toeslopes).

Forb. Any herbaceous plant not a grass or a sedge.

Forest cover. All trees and other woody plants (underbrush) covering the ground in a forest.

Forest type. A stand of trees similar in composition and development because of given physical and biological factors by which it may be differentiated from other stands.

Fragipan. A loamy, brittle subsurface horizon low in porosity and content of organic matter and low or moderate in clay but high in silt or very fine sand. A fragipan appears cemented and restricts roots. When dry, it is hard or very hard and has a higher bulk density than the horizon or horizons above. When moist, it tends to rupture suddenly under pressure rather than to deform slowly.

Genesis, soil. The mode of origin of the soil. Refers especially to the processes or soil-forming factors responsible for the formation of the solum, or true soil, from the unconsolidated parent material.

Gilgai. Commonly, a succession of microbasins and microknolls in nearly level areas or of microvalleys and microridges parallel with the slope. Typically, the microrelief of clayey soils that shrink and swell considerably with changes in moisture content.

Glacial drift. Pulverized and other rock material transported by glacial ice and then deposited. Also, the sorted and unsorted material deposited by streams flowing from glaciers.

Glacial outwash. Gravel, sand, and silt, commonly stratified, deposited by glacial meltwater.

Glacial till. Unsorted, nonstratified glacial drift consisting of clay, silt, sand, and boulders transported and deposited by glacial ice.

Glaciofluvial deposits. Material moved by glaciers and subsequently sorted and deposited by streams flowing from the melting ice. The deposits are stratified and occur as kames, eskers, deltas, and outwash plains.

Glaciolacustrine deposits. Material ranging from fine clay to sand derived from glaciers and deposited in glacial lakes mainly by glacial meltwater. Many deposits are interbedded or laminated.

Gleyed soil. Soil that formed under poor drainage, resulting in the reduction of iron and other elements in the profile and in gray colors.

Graded stripcropping. Growing crops in strips that grade toward a protected waterway.

Grassed waterway. A natural or constructed waterway, typically broad and shallow, seeded to grass as protection against erosion. Conducts surface water away from cropland.

Gravel. Rounded or angular fragments of rock as much as 3 inches (2 millimeters to 7.6 centimeters) in diameter. An individual piece is a pebble.

Gravelly soil material. Material that has 15 to 35 percent, by volume, rounded or angular rock fragments, not prominently flattened, as much as 3 inches (7.6 centimeters) in diameter.

Green manure crop (agronomy). A soil-improving crop grown to be plowed under in an early stage of maturity or soon after maturity.

Ground water. Water filling all the unblocked pores of the material below the water table.

Gully. A miniature valley with steep sides cut by running water and through which water ordinarily runs only after rainfall. The distinction between a gully and a rill is one of depth. A gully generally is an obstacle to farm machinery and is too deep to be obliterated by ordinary tillage; a rill is of lesser depth and can be smoothed over by ordinary tillage.

Hard bedrock. Bedrock that cannot be excavated except by blasting or by the use of special equipment that is not commonly used in construction.

Hardpan. A hardened or cemented soil horizon, or layer. The soil material is sandy, loamy, or clayey and is cemented by iron oxide, silica, calcium carbonate, or other substance.

Hard to reclaim (in tables). Reclamation is difficult after the removal of soil for construction and other uses. Revegetation and erosion control are extremely difficult.

Head out. To form a flower head.

Head slope. A geomorphic component of hills consisting of a laterally concave area of a hillside, especially at the head of a drainageway. The overland waterflow is converging.

Hemic soil material (mucky peat). Organic soil material intermediate in degree of decomposition between the less decomposed fibric material and the more decomposed sapric material.

High-residue crops. Such crops as small grain and corn used for grain. If properly managed, residue from these crops can be used to control erosion until the next crop in the rotation is established. These crops return large amounts of organic matter to the soil.

Hill. A natural elevation of the land surface, rising as much as 1,000 feet above surrounding lowlands, commonly of limited summit area and having a well defined outline; hillsides generally have slopes of more than 15 percent. The distinction between a hill

and a mountain is arbitrary and is dependent on local usage.

Horizon, soil. A layer of soil, approximately parallel to the surface, having distinct characteristics produced by soil-forming processes. In the identification of soil horizons, an uppercase letter represents the major horizons. Numbers or lowercase letters that follow represent subdivisions of the major horizons. An explanation of the subdivisions is given in the "Soil Survey Manual." The major horizons of mineral soil are as follows:

O horizon.— An organic layer of fresh and decaying plant residue.

A horizon.—The mineral horizon at or near the surface in which an accumulation of humified organic matter is mixed with the mineral material. Also, a plowed surface horizon, most of which was originally part of a B horizon.

E horizon.—The mineral horizon in which the main feature is loss of silicate clay, iron, aluminum, or some combination of these.

B horizon.—The mineral horizon below an A horizon. The B horizon is in part a layer of transition from the overlying A to the underlying C horizon. The B horizon also has distinctive characteristics, such as (1) accumulation of clay, sesquioxides, humus, or a combination of these; (2) prismatic or blocky structure; (3) redder or browner colors than those in the A horizon; or (4) a combination of these.

C horizon.—The mineral horizon or layer, excluding indurated bedrock, that is little affected by soil-forming processes and does not have the properties typical of the overlying soil material. The material of a C horizon may be either like or unlike that in which the solum formed. If the material is known to differ from that in the solum, an Arabic numeral, commonly a 2, precedes the letter C.

Cr horizon.—Soft, consolidated bedrock beneath the soil.

R layer.—Consolidated bedrock beneath the soil. The bedrock commonly underlies a C horizon, but it can be directly below an A or a B horizon.

Humus. The well decomposed, more or less stable part of the organic matter in mineral soils.

Hydrologic soil groups. Refers to soils grouped according to their runoff potential. The soil properties that influence this potential are those that affect the minimum rate of water infiltration on a bare soil during periods after prolonged wetting when the soil is not frozen. These properties are depth to a seasonal high water table, the infiltration rate and permeability after prolonged wetting, and depth to a very slowly permeable layer. The slope and the kind of plant cover are not considered but are separate factors in predicting runoff.

Igneous rock. Rock formed by solidification from a molten or partially molten state. Major varieties include plutonic and volcanic rock. Examples are andesite, basalt, and granite.

Illuviation. The movement of soil material from one horizon to another in the soil profile. Generally, material is removed from an upper horizon and deposited in a lower horizon.

Impervious soil. A soil through which water, air, or roots penetrate slowly or not at all. No soil is absolutely impervious to air and water all the time.

Increasers. Species in the climax vegetation that increase in amount as the more desirable plants are reduced by close grazing. Increasers commonly are the shorter plants and the less palatable to livestock.

Infiltration. The downward entry of water into the immediate surface of soil or other material, as contrasted with percolation, which is movement of water through soil layers or material.

Infiltration capacity. The maximum rate at which water can infiltrate into a soil under a given set of conditions.

Infiltration rate. The rate at which water penetrates the surface of the soil at any given instant, usually expressed in inches per hour. The rate can be limited by the infiltration capacity of the soil or the rate at which water is applied at the surface.

Intake rate. The average rate of water entering the soil under irrigation. Most soils have a fast initial rate; the rate decreases with application time. Therefore, intake rate for design purposes is not a constant but is a variable depending on the net irrigation application. The rate of water intake, in inches per hour, is expressed as follows:

Less than 0.2	very low
0.2 to 0.4	low
0.4 to 0.75	moderately low
0.75 to 1.25	moderate
1.25 to 1.75	moderately high
1.75 to 2.5	high
More than 2.5	very high

Interfluve. An elevated area between two drainageways that sheds water to those drainageways.

Intermittent stream. A stream, or reach of a stream, that flows for prolonged periods only when it receives ground-water discharge or long, continued contributions from melting snow or other surface and shallow subsurface sources.

Invaders. On range, plants that encroach into an area and grow after the climax vegetation has been

reduced by grazing. Generally, plants invade following disturbance of the surface.

Iron depletions. Low-chroma zones having a low content of iron and manganese oxide because of chemical reduction and removal, but having a clay content similar to that of the adjacent matrix. A type of redoximorphic depletion.

Irrigation. Application of water to soils to assist in production of crops. Methods of irrigation are:

Basin.—Water is applied rapidly to nearly level plains surrounded by levees or dikes.

Border.—Water is applied at the upper end of a strip in which the lateral flow of water is controlled by small earth ridges called border dikes, or borders.

Controlled flooding.—Water is released at intervals from closely spaced field ditches and distributed uniformly over the field.

Corrugation.—Water is applied to small, closely spaced furrows or ditches in fields of close-growing crops or in orchards so that it flows in only one direction.

Drip (or trickle).—Water is applied slowly and under low pressure to the surface of the soil or into the soil through such applicators as emitters, porous tubing, or perforated pipe.

Furrow.—Water is applied in small ditches made by cultivation implements. Furrows are used for tree and row crops.

Sprinkler.—Water is sprayed over the soil surface through pipes or nozzles from a pressure system.

Subirrigation.—Water is applied in open ditches or tile lines until the water table is raised enough to wet the soil.

Wild flooding.—Water, released at high points, is allowed to flow onto an area without controlled distribution.

Kame. An irregular, short ridge or hill of stratified glacial drift.

Karst (topography). The relief of an area underlain by limestone that dissolves in differing degrees, thus forming numerous depressions or small basins.

Knoll. A small, low, rounded hill rising above adjacent landforms.

Ksat. Saturated hydraulic conductivity. (See Permeability.)

Lacustrine deposit. Material deposited in lake water and exposed when the water level is lowered or the elevation of the land is raised.

Landslide. The rapid downhill movement of a mass of soil and loose rock, generally when wet or saturated. The speed and distance of movement, as well as the amount of soil and rock material, vary greatly.

Large stones (in tables). Rock fragments 3 inches (7.6 centimeters) or more across. Large stones adversely affect the specified use of the soil.

Leaching. The removal of soluble material from soil or other material by percolating water.

Linear extensibility. Refers to the change in length of an unconfined clod as moisture content is decreased from a moist to a dry state. Linear extensibility is used to determine the shrink-swell potential of soils. It is an expression of the volume change between the water content of the clod at 1/3 or 1/10 bar tension (33kPa or 10kPa tension) and oven dryness. Volume change is influenced by the amount and type of clay minerals in the soil. The volume change is the percent change for the whole soil. If it is expressed as a fraction, the resulting value is COLE, coefficient of linear extensibility.

Liquid limit. The moisture content at which the soil passes from a plastic to a liquid state.

Loam. Soil material that is 7 to 27 percent clay particles, 28 to 50 percent silt particles, and less than 52 percent sand particles.

Loess. Fine grained material, dominantly of silt-sized particles, deposited by wind.

Low-residue crops. Such crops as corn used for silage, peas, beans, and potatoes. Residue from these crops is not adequate to control erosion until the next crop in the rotation is established. These crops return little organic matter to the soil.

Low strength. The soil is not strong enough to support loads.

Marl. An earthy, unconsolidated deposit consisting chiefly of calcium carbonate mixed with clay in approximately equal amounts.

Masses. Concentrations of substances in the soil matrix that do not have a clearly defined boundary with the surrounding soil material and cannot be removed as a discrete unit. Common compounds making up masses are calcium carbonate, gypsum or other soluble salts, iron oxide, and manganese oxide. Masses consisting of iron oxide or manganese oxide generally are considered a type of redoximorphic concentration.

Mechanical treatment. Use of mechanical equipment for seeding, brush management, and other management practices.

Medium textured soil. Very fine sandy loam, loam, silt loam, or silt.

Mesa. A broad, nearly flat topped and commonly isolated upland mass characterized by summit widths that are more than the heights of bounding erosional scarps.

Metamorphic rock. Rock of any origin altered in mineralogical composition, chemical composition, or structure by heat, pressure, and movement. Nearly all such rocks are crystalline.

Mineral soil. Soil that is mainly mineral material and low in organic material. Its bulk density is more than that of organic soil.

Minimum tillage. Only the tillage essential to crop production and prevention of soil damage.

Miscellaneous area. An area that has little or no natural soil and supports little or no vegetation.

Moderately coarse textured soil. Coarse sandy loam, sandy loam, or fine sandy loam.

Moderately fine textured soil. Clay loam, sandy clay loam, or silty clay loam.

Mollic epipedon. A thick, dark, humus-rich surface horizon (or horizons) that has high base saturation and pedogenic soil structure. It may include the upper part of the subsoil.

Moraine. An accumulation of earth, stones, and other debris deposited by a glacier. Some types are terminal, lateral, medial, and ground.

Morphology, soil. The physical makeup of the soil, including the texture, structure, porosity, consistence, color, and other physical, mineral, and biological properties of the various horizons, and the thickness and arrangement of those horizons in the soil profile.

Mottling, soil. Irregular spots of different colors that vary in number and size. Descriptive terms are as follows: abundance—*few, common,* and *many*; size—*fine, medium,* and *coarse;* and contrast—*faint, distinct,* and *prominent*. The size measurements are of the diameter along the greatest dimension. *Fine* indicates less than 5 millimeters (about 0.2 inch); *medium,* from 5 to 15 millimeters (about 0.2 to 0.6 inch); and *coarse,* more than 15 millimeters (about 0.6 inch).

Mountain. A natural elevation of the land surface, rising more than 1,000 feet above surrounding lowlands, commonly of restricted summit area (relative to a plateau) and generally having steep sides. A mountain can occur as a single, isolated mass or in a group forming a chain or range.

Muck. Dark, finely divided, well decomposed organic soil material. (See Sapric soil material.)

Mudstone. Sedimentary rock formed by induration of silt and clay in approximately equal amounts.

Munsell notation. A designation of color by degrees of three simple variables—hue, value, and chroma. For example, a notation of 10YR 6/4 is a color with hue of 10YR, value of 6, and chroma of 4.

Natric horizon. A special kind of argillic horizon that contains enough exchangeable sodium to have an adverse effect on the physical condition of the subsoil.

Neutral soil. A soil having a pH value of 6.6 to 7.3. (See Reaction, soil.)

Nodules. Cemented bodies lacking visible internal structure. Calcium carbonate, iron oxide, and manganese oxide are common compounds making up nodules. If formed in place, nodules of iron oxide or manganese oxide are considered types of redoximorphic concentrations.

Nose slope. A geomorphic component of hills consisting of the projecting end (laterally convex area) of a hillside. The overland waterflow is predominantly divergent.

Nutrient, plant. Any element taken in by a plant essential to its growth. Plant nutrients are mainly nitrogen, phosphorus, potassium, calcium, magnesium, sulfur, iron, manganese, copper, boron, and zinc obtained from the soil and carbon, hydrogen, and oxygen obtained from the air and water.

Organic matter. Plant and animal residue in the soil in various stages of decomposition. The content of organic matter in the surface layer is described as follows:

Very low	less than 0.5 percent
Low	0.5 to 1.0 percent
Moderately low	0 to 2.0 percent
Moderate	2.0 to 4.0 percent
High	4.0 to 8.0 percent
Very high	more than 8.0 percent

Outwash plain. A landform of mainly sandy or coarse textured material of glaciofluvial origin. An outwash plain is commonly smooth; where pitted, it generally is low in relief.

Paleoterrace. An erosional remnant of a terrace that retains the surface form and alluvial deposits of its origin but was not emplaced by, and commonly does not grade to, a present-day stream or drainage network.

Pan. A compact, dense layer in a soil that impedes the movement of water and the growth of roots. For example, *hardpan, fragipan, claypan, plowpan,* and *traffic pan*.

Parent material. The unconsolidated organic and mineral material in which soil forms.

Peat. Unconsolidated material, largely undecomposed organic matter, that has accumulated under excess moisture. (See Fibric soil material.)

Ped. An individual natural soil aggregate, such as a granule, a prism, or a block.

Pedisediment. A thin layer of alluvial material that mantles an erosion surface and has been transported to its present position from higher lying areas of the erosion surface.

Pedon. The smallest volume that can be called "a soil." A pedon is three dimensional and large enough to permit study of all horizons. Its area ranges from about 10 to 100 square feet (1 square meter to 10 square meters), depending on the variability of the soil.

Percolation. The movement of water through the soil.

Permafrost. Layers of soil, or even bedrock, occurring in arctic or subarctic regions, in which a temperature below freezing has existed continuously for a long time.

Permeability. The quality of the soil that enables water or air to move downward through the profile. The rate at which a saturated soil transmits water is accepted as a measure of this quality. In soil physics, the rate is referred to as "saturated hydraulic conductivity," which is defined in the "Soil Survey Manual." In line with conventional usage in the engineering profession and with traditional usage in published soil surveys, this rate of flow continues to be expressed as "permeability." Terms describing permeability, measured in inches per hour, are as follows:

Impermeable	less than 0.0015 inch
Very slow	0.0015 to 0.06 inch
Slow	0.06 to 0.2 inch
Moderately slow	0.2 to 0.6 inch
Moderate	0.6 inch to 2.0 inches
Moderately rapid	2.0 to 6.0 inches
Rapid	6.0 to 20 inches
Very rapid	more than 20 inches

Phase, soil. A subdivision of a soil series based on features that affect its use and management, such as slope, stoniness, and flooding.

pH value. A numerical designation of acidity and alkalinity in soil. (See Reaction, soil.)

Piping (in tables). Formation of subsurface tunnels or pipelike cavities by water moving through the soil.

Pitting (in tables). Pits caused by melting around ice. They form on the soil after plant cover is removed.

Plasticity index. The numerical difference between the liquid limit and the plastic limit; the range of moisture content within which the soil remains plastic.

Plastic limit. The moisture content at which a soil changes from semisolid to plastic.

Plateau. An extensive upland mass with relatively flat summit area that is considerably elevated (more than 100 meters) above adjacent lowlands and separated from them on one or more sides by escarpments.

Playa. The generally dry and nearly level lake plain that occupies the lowest parts of closed depressional areas, such as those on intermontane basin floors. Temporary flooding occurs primarily in response to precipitation and runoff.

Plinthite. The sesquioxide-rich, humus-poor, highly weathered mixture of clay with quartz and other diluents. It commonly appears as red mottles, usually in platy, polygonal, or reticulate patterns. Plinthite changes irreversibly to an ironstone hardpan or to irregular aggregates on repeated wetting and drying, especially if it is exposed also to heat from the sun. In a moist soil, plinthite can be cut with a spade. It is a form of laterite.

Plowpan. A compacted layer formed in the soil directly below the plowed layer.

Ponding. Standing water on soils in closed depressions. Unless the soils are artificially drained, the water can be removed only by percolation or evapotranspiration.

Poorly graded. Refers to a coarse grained soil or soil material consisting mainly of particles of nearly the same size. Because there is little difference in size of the particles, density can be increased only slightly by compaction.

Potential native plant community. See Climax plant community.

Potential rooting depth (effective rooting depth). Depth to which roots could penetrate if the content of moisture in the soil were adequate. The soil has no properties restricting the penetration of roots to this depth.

Prescribed burning. Deliberately burning an area for specific management purposes, under the appropriate conditions of weather and soil moisture and at the proper time of day.

Productivity, soil. The capability of a soil for producing a specified plant or sequence of plants under specific management.

Profile, soil. A vertical section of the soil extending through all its horizons and into the parent material.

Proper grazing use. Grazing at an intensity that maintains enough cover to protect the soil and maintain or improve the quantity and quality of the desirable vegetation. This practice increases the vigor and reproduction capacity of the key plants and promotes the accumulation of litter and mulch necessary to conserve soil and water.

Rangeland. Land on which the potential natural vegetation is predominantly grasses, grasslike plants, forbs, or shrubs suitable for grazing or browsing. It includes natural grasslands, savannas, many wetlands, some deserts, tundras, and areas that support certain forb and shrub communities.

Reaction, soil. A measure of acidity or alkalinity of a soil, expressed in pH values. A soil that tests to pH 7.0 is described as precisely neutral in reaction because it is neither acid nor alkaline. The degrees of acidity or alkalinity, expressed as pH values, are:

Ultra acid	less than 3.5
Extremely acid	3.5 to 4.4
Very strongly acid	4.5 to 5.0
Strongly acid	5.1 to 5.5
Moderately acid	5.6 to 6.0
Slightly acid	6.1 to 6.5
Neutral	6.6 to 7.3
Slightly alkaline	7.4 to 7.8

Moderately alkaline ..... 7.9 to 8.4
Strongly alkaline ..... 8.5 to 9.0
Very strongly alkaline ..... 9.1 and higher

Red beds. Sedimentary strata that are mainly red and are made up largely of sandstone and shale.

Redoximorphic concentrations. Nodules, concretions, soft masses, pore linings, and other features resulting from the accumulation of iron or manganese oxide. An indication of chemical reduction and oxidation resulting from saturation.

Redoximorphic depletions. Low-chroma zones from which iron and manganese oxide or a combination of iron and manganese oxide and clay has been removed. These zones are indications of the chemical reduction of iron resulting from saturation.

Redoximorphic features. Redoximorphic concentrations, redoximorphic depletions, reduced matrices, a positive reaction to alpha,alpha-dipyridyl, and other features indicating the chemical reduction and oxidation of iron and manganese compounds resulting from saturation.

Reduced matrix. A soil matrix that has low chroma in situ because of chemically reduced iron (Fe II). The chemical reduction results from nearly continuous wetness. The matrix undergoes a change in hue or chroma within 30 minutes after exposure to air as the iron is oxidized (Fe III). A type of redoximorphic feature.

Regolith. The unconsolidated mantle of weathered rock and soil material on the earth's surface; the loose earth material above the solid rock.

Relief. The elevations or inequalities of a land surface, considered collectively.

Residuum (residual soil material). Unconsolidated, weathered or partly weathered mineral material that accumulated as consolidated rock disintegrated in place.

Rill. A steep-sided channel resulting from accelerated erosion. A rill generally is a few inches deep and not wide enough to be an obstacle to farm machinery.

Road cut. A sloping surface produced by mechanical means during road construction. It is commonly on the uphill side of the road.

Rock fragments. Rock or mineral fragments having a diameter of 2 millimeters or more; for example, pebbles, cobbles, stones, and boulders.

Root zone. The part of the soil that can be penetrated by plant roots.

Runoff. The precipitation discharged into stream channels from an area. The water that flows off the surface of the land without sinking into the soil is called surface runoff. Water that enters the soil before reaching surface streams is called ground-water runoff or seepage flow from ground water.

Saline soil. A soil containing soluble salts in an amount that impairs growth of plants. A saline soil does not contain excess exchangeable sodium.

Sand. As a soil separate, individual rock or mineral fragments from 0.05 millimeter to 2.0 millimeters in diameter. Most sand grains consist of quartz. As a soil textural class, a soil that is 85 percent or more sand and not more than 10 percent clay.

Sandstone. Sedimentary rock containing dominantly sand-sized particles.

Sapric soil material (muck). The most highly decomposed of all organic soil material. Muck has the least amount of plant fiber, the highest bulk density, and the lowest water content at saturation of all organic soil material.

Saprolite. Unconsolidated residual material underlying the soil and grading to hard bedrock below.

Saturation. Wetness characterized by zero or positive pressure of the soil water. Under conditions of saturation, the water will flow from the soil matrix into an unlined auger hole.

Scarification. The act of abrading, scratching, loosening, crushing, or modifying the surface to increase water absorption or to provide a more tillable soil.

Second bottom. The first terrace above the normal flood plain (or first bottom) of a river.

Sedimentary rock. Rock made up of particles deposited from suspension in water. The chief kinds of sedimentary rock are conglomerate, formed from gravel; sandstone, formed from sand; shale, formed from clay; and limestone, formed from soft masses of calcium carbonate. There are many intermediate types. Some wind-deposited sand is consolidated into sandstone.

Sequum. A sequence consisting of an illuvial horizon and the overlying eluvial horizon. (See Eluviation.)

Series, soil. A group of soils that have profiles that are almost alike, except for differences in texture of the surface layer. All the soils of a series have horizons that are similar in composition, thickness, and arrangement.

Shale. Sedimentary rock formed by the hardening of a clay deposit.

Sheet erosion. The removal of a fairly uniform layer of soil material from the land surface by the action of rainfall and surface runoff.

Shoulder. The position that forms the uppermost inclined surface near the top of a hillslope. It is a transition from backslope to summit. The surface is dominantly convex in profile and erosional in origin.

Shrink-swell (in tables). The shrinking of soil when dry and the swelling when wet. Shrinking and swelling can damage roads, dams, building foundations, and other structures. It can also damage plant roots.

Side slope. A geomorphic component of hills consisting of a laterally planar area of a hillside. The overland waterflow is predominantly parallel.

Silica. A combination of silicon and oxygen. The mineral form is called quartz.

Silica-sesquioxide ratio. The ratio of the number of molecules of silica to the number of molecules of alumina and iron oxide. The more highly weathered soils or their clay fractions in warm-temperate, humid regions, and especially those in the tropics, generally have a low ratio.

Silt. As a soil separate, individual mineral particles that range in diameter from the upper limit of clay (0.002 millimeter) to the lower limit of very fine sand (0.05 millimeter). As a soil textural class, soil that is 80 percent or more silt and less than 12 percent clay.

Siltstone. Sedimentary rock made up of dominantly silt-sized particles.

Similar soils. Soils that share limits of diagnostic criteria, behave and perform in a similar manner, and have similar conservation needs or management requirements for the major land uses in the survey area.

Sinkhole. A depression in the landscape where limestone has been dissolved.

Site index. A designation of the quality of a forest site based on the height of the dominant stand at an arbitrarily chosen age. For example, if the average height attained by dominant and codominant trees in a fully stocked stand at the age of 50 years is 75 feet, the site index is 75.

Slickensides. Polished and grooved surfaces produced by one mass sliding past another. In soils, slickensides may occur at the bases of slip surfaces on the steeper slopes; on faces of blocks, prisms, and columns; and in swelling clayey soils, where there is marked change in moisture content.

Slick spot. A small area of soil having a puddled, crusted, or smooth surface and an excess of exchangeable sodium. The soil generally is silty or clayey, is slippery when wet, and is low in productivity.

Slope. The inclination of the land surface from the horizontal. Percentage of slope is the vertical distance divided by horizontal distance, then multiplied by 100. Thus, a slope of 20 percent is a drop of 20 feet in 100 feet of horizontal distance

Sloughed till. Water-saturated till that has flowed slowly downhill from its original place of deposit by glacial ice. It may rest on other till, on glacial outwash, or on a glaciolacustrine deposit.

Slow refill (in tables). The slow filling of ponds, resulting from restricted permeability in the soil.

Sodic (alkali) soil. A soil having so high a degree of alkalinity (pH 8.5 or higher) or so high a percentage of exchangeable sodium (15 percent or more of the total exchangeable bases), or both, that plant growth is restricted.

Sodicity. The degree to which a soil is affected by exchangeable sodium. Sodicity is expressed as a sodium adsorption ratio (SAR) of a saturation extract, or the ratio of Na^{+} to Ca^{++} + Mg. The degrees of sodicity and their respective ratios are:

Slight	less than 13:1
Moderate	13-30:1
Strong	more than 30:1

Sodium adsorption ratio (SAR). A measure of the amount of sodium (Na) relative to calcium (Ca) and magnesium (Mg) in the water extract from saturated soil paste. It is the ratio of the Na concentration divided by the square root of one-half of the Ca + Mg concentration.

Soft bedrock. Bedrock that can be excavated with trenching machines, backhoes, small rippers, and other equipment commonly used in construction.

Soil. A natural, three-dimensional body at the earth's surface. It is capable of supporting plants and has properties resulting from the integrated effect of climate and living matter acting on earthy parent material, as conditioned by relief over periods of time.

Soil separates. Mineral particles less than 2 millimeters in equivalent diameter and ranging between specified size limits. The names and sizes, in millimeters, of separates recognized in the United States are as follows:

Very coarse sand	2.0 to 1.0
Coarse sand	1.0 to 0.5
Medium sand	0.5 to 0.25
Fine sand	0.25 to 0.10
Very fine sand	0.10 to 0.05
Silt	0.05 to 0.002
Clay	less than 0.002

Solum. The upper part of a soil profile, above the C horizon, in which the processes of soil formation are active. The solum in soil consists of the A, E, and B horizons. Generally, the characteristics of the material in these horizons are unlike those of the material below the solum. The living roots and plant and animal activities are largely confined to the solum.

Stone line. A concentration of coarse fragments in a soil. Generally, it is indicative of an old weathered

surface. In a cross section, the line may be one fragment or more thick. It generally overlies material that weathered in place and is overlain by recent sediment of variable thickness.

Stones. Rock fragments 10 to 24 inches (25 to 60 centimeters) in diameter if rounded or 15 to 24 inches (38 to 60 centimeters) in length if flat.

Stony. Refers to a soil containing stones in numbers that interfere with or prevent tillage.

Stripcropping. Growing crops in a systematic arrangement of strips or bands that provide vegetative barriers to wind erosion and water erosion.

Structure, soil. The arrangement of primary soil particles into compound particles or aggregates. The principal forms of soil structure are—*platy (laminated), prismatic (vertical axis of aggregates longer than horizontal), columnar (prisms with rounded tops), blocky (angular or subangular),* and *granular. Structureless* soils are either single grain (each grain by itself, as in dune sand) or *massive* (the particles adhering without any regular cleavage, as in many hardpans).

Stubble mulch. Stubble or other crop residue left on the soil or partly worked into the soil. It protects the soil from wind erosion and water erosion after harvest, during preparation of a seedbed for the next crop, and during the early growing period of the new crop.

Subsoil. Technically, the B horizon; roughly, the part of the solum below plow depth.

Subsoiling. Tilling a soil below normal plow depth, ordinarily to shatter a hardpan or claypan.

Substratum. The part of the soil below the solum.

Subsurface layer. Any surface soil horizon (A, E, AB, or EB) below the surface layer.

Summer fallow. The tillage of uncropped land during the summer to control weeds and allow storage of moisture in the soil for the growth of a later crop. A practice common in semiarid regions, where annual precipitation is not enough to produce a crop every year. Summer fallow is frequently practiced before planting winter grain.

Summit. The topographically highest position of a hillslope. It has a nearly level (planar or only slightly convex) surface.

Surface layer. The soil ordinarily moved in tillage, or its equivalent in uncultivated soil, ranging in depth from 4 to 10 inches (10 to 25 centimeters). Frequently designated as the "plow layer," or the "Ap horizon."

Surface soil. The A, E, AB, and EB horizons, considered collectively. It includes all subdivisions of these horizons.

Talus. Fragments of rock and other soil material accumulated by gravity at the foot of cliffs or steep slopes.

Taxadjuncts. Soils that cannot be classified in a series recognized in the classification system. Such soils are named for a series they strongly resemble and are designated as taxadjuncts to that series because they differ in ways too small to be of consequence in interpreting their use and behavior. Soils are recognized as taxadjuncts only when one or more of their characteristics are slightly outside the range defined for the family of the series for which the soils are named.

Terminal moraine. A belt of thick glacial drift that generally marks the termination of important glacial advances.

Terrace. An embankment, or ridge, constructed across sloping soils on the contour or at a slight angle to the contour. The terrace intercepts surface runoff so that water soaks into the soil or flows slowly to a prepared outlet. A terrace in a field generally is built so that the field can be farmed. A terrace intended mainly for drainage has a deep channel that is maintained in permanent sod.

Terrace (geologic). An old alluvial plain, ordinarily flat or undulating, bordering a river, a lake, or the sea.

Texture, soil. The relative proportions of sand, silt, and clay particles in a mass of soil. The basic textural classes, in order of increasing proportion of fine particles, are *sand, loamy sand, sandy loam, loam, silt loam, silt, sandy clay loam, clay loam, silty clay loam, sandy clay, silty clay,* and *clay.* The sand, loamy sand, and sandy loam classes may be further divided by specifying "coarse," "fine," or "very fine."

Thin layer (in tables). Otherwise suitable soil material that is too thin for the specified use.

Till plain. An extensive area of nearly level to undulating soils underlain by glacial till.

Tilth, soil. The physical condition of the soil as related to tillage, seedbed preparation, seedling emergence, and root penetration.

Toeslope. The position that forms the gently inclined surface at the base of a hillslope. Toeslopes in profile are commonly gentle and linear and are constructional surfaces forming the lower part of a hillslope continuum that grades to valley or closed-depression floors.

Topsoil. The upper part of the soil, which is the most favorable material for plant growth. It is ordinarily rich in organic matter and is used to topdress roadbanks, lawns, and land affected by mining.

Trace elements. Chemical elements, for example, zinc, cobalt, manganese, copper, and iron, in soils in extremely small amounts. They are essential to plant growth.

Tuff. A compacted deposit that is 50 percent or more volcanic ash and dust.

Upland. Land at a higher elevation, in general, than the alluvial plain or stream terrace; land above the lowlands along streams.

Valley fill. In glaciated regions, material deposited in stream valleys by glacial meltwater. In nonglaciated regions, alluvium deposited by heavily loaded streams.

Variegation. Refers to patterns of contrasting colors assumed to be inherited from the parent material rather than to be the result of poor drainage.

Varve. A sedimentary layer or a lamina or sequence of laminae deposited in a body of still water within a year. Specifically, a thin pair of graded glaciolacustrine layers seasonally deposited, usually by meltwater streams, in a glacial lake or other body of still water in front of a glacier.

Water bars. Smooth, shallow ditches or depressional areas that are excavated at an angle across a sloping road. They are used to reduce the downward velocity of water and divert it off and away from the road surface. Water bars can easily be driven over if constructed properly.

Weathering. All physical and chemical changes produced in rocks or other deposits at or near the earth's surface by atmospheric agents. These changes result in disintegration and decomposition of the material.

Well graded. Refers to soil material consisting of coarse grained particles that are well distributed over a wide range in size or diameter. Such soil normally can be easily increased in density and bearing properties by compaction. Contrasts with poorly graded soil.

Wilting point (or permanent wilting point). The moisture content of soil, on an ovendry basis, at which a plant (specifically a sunflower) wilts so much that it does not recover when placed in a humid, dark chamber.

Windthrow. The uprooting and tipping over of trees by the wind.

TABLES

TABLE 1.—TEMPERATURE AND PRECIPITATION

(Recorded in the period 1961-90 at Susanville ARPT, California)

Month	Temperature					Precipitation					
				2 years in 10 will have--				2 years in 10 will have--			
	Average daily maximum	Average daily minimum	Average daily	Maximum temperature higher than--	Minimum temperature lower than--	Average number of growing degree days*	Average	Less than--	More than--	Average number of days with 0.10 inch or more	Average snowfall
	°F	°F	°F	°F	°F	Units	In	In	In		In
January	40.3	19.7	30.0	59	-6	9	2.56	0.74	4.03	5	7.7
February	47.0	24.6	35.8	65	1	35	1.82	0.47	2.90	4	2.5
March	53.3	28.3	40.8	73	10	92	1.52	0.64	2.26	4	4.4
April	61.0	31.9	46.4	82	18	207	0.63	0.17	1.03	2	0.6
May	71.4	38.6	55.0	92	24	469	0.77	0.23	1.26	2	0.1
June	80.8	45.6	63.2	98	30	693	0.64	0.15	1.14	1	0.0
July	89.4	49.7	69.5	101	35	912	0.29	0.09	0.58	0	0.0
August	87.7	48.3	68.0	100	35	863	0.25	0.06	0.51	0	0.0
September	78.7	41.4	60.1	94	26	594	0.46	0.13	0.98	1	0.1
October	66.5	33.5	50.0	86	18	314	1.26	0.15	2.31	2	0.1
November	51.1	27.1	39.1	70	8	77	1.95	0.52	3.10	4	2.8
December	41.4	20.8	31.1	59	-3	15	2.29	0.62	3.77	4	5.9
Yearly:											
Average	64.1	34.1	49.1	---	---	---	----	----	----	---	---
Extreme	105	-22	---	102	-9	---	----	----	----	---	---
Total	---	---	---	---	---	4,281	14.43	9.92	18.19	29	24.2

Average number of days per year with at least 1 inch of snow on the ground: 14

*A growing degree day is a unit of heat available for plant growth. It can be calculated by adding the maximum and minimum daily temperatures, dividing the sum by 2, and subtracting the temperature below which growth is minimal for the principal crops in the area (40 degrees F).

TABLE 2.—FREEZE DATES IN SPRING AND FALL

(Recorded in the period 1961-90 at Susanville ARPT, California)

Probability	Temperature		
	24 °F or lower	28 °F or lower	32 °F or lower
Last freezing temperature in spring:			
1 year in 10 later than--	May 9	May 24	June 20
2 years in 10 later than--	May 3	May 19	June 13
5 years in 10 later than--	April 22	May 10	May 30
First freezing temperature in fall:			
1 year in 10 earlier than--	September 28	September 15	September 5
2 years in 10 earlier than--	October 5	September 21	September 11
5 years in 10 earlier than--	October 18	October 2	September 21

TABLE 3.—GROWING SEASON

(Recorded in the period 1961-90 at Susanville ARPT, California)

Probability	Daily minimum temperature during growing season		
	Higher than 24 °F	Higher than 28 °F	Higher than 32 °F
	Days	Days	Days
9 years in 10	152	124	85
8 years in 10	161	131	95
5 years in 10	177	146	115
2 years in 10	194	161	134
1 year in 10	202	169	144

TABLE 4.--ACREAGE AND PROPORTIONATE EXTENT OF THE SOILS

Map symbol	Soil name	Lassen County	Plumas County	Total	
				Area	Extent
		Acres	Acres	Acres	Pct
101	Almanor-Whorled-Inville complex, 0 to 15 percent slopes	---	3,485	3,485	0.2
102	Alomax-Glean-Rock outcrop association, 9 to 50 percent slopes	8,430	---	8,430	0.4
103	Anawalt-Ninemile association, 5 to 15 percent slopes	27,670	---	27,670	1.4
104	Ardep sandy loam, 0 to 2 percent slopes	9,240	---	9,240	0.5
105	Ardep loam, 0 to 4 percent slopes	275	---	275	*
106	Ardep fine sandy loam, saline-sodic, 0 to 2 percent slopes	1,780	---	1,780	*
107	Ardep very fine sand, saline-sodic, 0 to 5 percent slopes	475	---	475	*
108	Ardep-Wespac-Zorravista complex, 0 to 5 percent slopes	640	---	640	*
109	Artray sandy loam, 2 to 9 percent slopes	770	---	770	*
110	Badenaugh stony sandy loam, 5 to 15 percent slopes	3,220	---	3,220	0.2
111	Baileycreek-Weste complex, 5 to 15 percent slopes	---	4,115	4,115	0.2
112	Baileycreek-Weste complex, 15 to 30 percent slopes	---	2,565	2,565	0.1
113	Baileycreek-Weste complex, 30 to 50 percent slopes	---	3,060	3,060	0.2
114	Barnard stony sandy loam, 2 to 15 percent slopes	1,300	---	1,300	*
115	Beckwourth-Fordney complex, 0 to 2 percent slopes	12,425	---	12,425	0.6
116	Bieber cobbly loam, 2 to 9 percent slopes	6,200	---	6,200	0.3
117	Biscaro clay loam, 0 to 2 percent slopes, ponded	440	---	440	*
118	Biscaro-Calnat complex, 0 to 2 percent slopes	1,270	---	1,270	*
119	Biscaro-Playas complex, 0 to 2 percent slopes	3,330	---	3,330	0.2
120	Blickenstaff sandy loam, 0 to 2 percent slopes	1,800	---	1,800	*
121	Honeylake clay loam, 0 to 1 percent slopes	1,330	---	1,330	*
122	Bobert sandy loam, 0 to 2 percent slopes	8,740	---	8,740	0.4
123	Bobert sandy loam, lake terrace, 0 to 2 percent slopes	2,130	---	2,130	0.1
124	Bonta coarse sandy loam, 9 to 15 percent slopes	1,080	---	1,080	*
125	Bonta coarse sandy loam, 15 to 30 percent slopes	970	---	970	*
126	Bonta gravelly sandy loam, 30 to 50 percent slopes	720	---	720	*
127	Boulder Lake silty clay, 0 to 1 percent slopes	4,480	---	4,480	0.2
128	Boulder Lake silty clay, wet, 0 to 1 percent slopes	3,235	---	3,235	0.2
129	Brubeck very cobbly clay, 2 to 5 percent slopes	4,770	---	4,770	0.2
130	Brubeck very cobbly clay, 5 to 30 percent slopes	3,030	---	3,030	0.2
131	Brubeck-Diaz association, 2 to 30 percent slopes	4,000	---	4,000	0.2
132	Brubeck-Loomis association, 2 to 30 percent slopes	1,000	---	1,000	*
133	Buckbay-Orhood-Devada association, 2 to 30 percent slopes	21,150	---	21,150	1.1
134	Buckbay-Orhood-Fredonyer association, 5 to 30 percent slopes	16,830	---	16,830	0.9

See footnote at end of table.

TABLE 4.--ACREAGE AND PROPORTIONATE EXTENT OF THE SOILS--Continued

Map symbol	Soil name	Lassen County	Plumas County	Total	
				Area	Extent
		Acres	Acres	Acres	Pct
135	Bucklake-Corral-Rubble land association, 30 to 50 percent slopes	3,285	---	3,285	0.2
136	Bunanch very gravelly loam, 9 to 30 percent slopes	700	---	700	*
137	Cagwin loamy coarse sand, 15 to 30 percent slopes	505	---	505	*
138	Cagwin loamy coarse sand, 30 to 50 percent slopes	320	---	320	*
139	Calnat sandy loam, 0 to 2 percent slopes	1,745	---	1,745	*
140	Calneva silt loam, 0 to 1 percent slopes	6,460	---	6,460	0.3
141	Calneva-Playas complex, 0 to 1 percent slopes	800	---	800	*
142	Calpine coarse sandy loam, 0 to 5 percent slopes	240	---	240	*
143	Calpine sandy loam, 0 to 2 percent slopes	3,420	---	3,420	0.2
144	Calpine sandy loam, 2 to 5 percent slopes	4,475	---	4,475	0.2
145	Calpine, warm, 0 to 15 percent slopes	995	---	995	*
146	Indiano-Chalco complex, 2 to 9 percent slopes	2,480	---	2,480	0.1
147	Capona-Rock outcrop complex, 2 to 9 percent slopes	4,550	---	4,550	0.2
148	Cewat very stony fine sandy loam, 5 to 15 percent slopes	755	---	755	*
149	Cewat-McConnel-Toulon association, 2 to 15 percent slopes	6,810	---	6,810	0.3
150	Chappuis coarse sandy loam, 0 to 2 percent slopes	725	---	725	*
151	Chappuis silt loam, 0 to 2 percent slopes	1,210	---	1,210	*
152	Chimney gravelly loamy coarse sand, 2 to 9 percent slopes	1,275	---	1,275	*
153	Chimney gravelly loamy coarse sand, 9 to 15 percent slopes	1,140	---	1,140	*
154	Chimney-Janile-Waterman association, 15 to 50 percent slopes	6,980	---	6,980	0.4
155	Chimney-Janile-Waterman association, 50 to 75 percent slopes	935	---	935	*
156	Chimney-Waterman association, 9 to 30 percent slopes	2,350	---	2,350	0.1
157	Chirpchatter sandy loam, 2 to 9 percent slopes	1,125	---	1,125	*
158	Cleghorn sandy loam, 0 to 2 percent slopes	4,330	---	4,330	0.2
159	Cleghorn sandy loam, 2 to 5 percent slopes	6,400	---	6,400	0.3
160	Cochran gravelly loam, 2 to 15 percent slopes	825	---	825	*
161	Cochran very cobbly loam, 5 to 15 percent slopes	7,320	---	7,320	0.4
162	Corral sandy loam, 0 to 2 percent slopes	1,880	---	1,880	*
163	Corral sandy loam, 2 to 5 percent slopes	350	---	350	*
164	Corral sandy loam, 5 to 15 percent slopes	6,710	---	6,710	0.3
165	Corral loam, 30 to 50 percent slopes	550	---	550	*
166	Corral very cobbly loam, 5 to 30 percent slopes	7,600	---	7,600	0.4
167	Corral-Chalco complex, 0 to 2 percent slopes	425	---	425	*
168	Corral-Glenbrook complex, 15 to 50 percent slopes	3,000	---	3,000	0.2
169	Devada-Brubeck association, 2 to 9 percent slopes	21,500	---	21,500	1.1
170	Devada-Bucklake association, 2 to 30 percent slopes	9,800	---	9,800	0.5
171	Devada-Fivesprings-Rubble land association, 9 to 50 percent slopes	17,600	---	17,600	0.9
172	Devada-Gavel complex, 9 to 30 percent slopes	570	---	570	*
173	Devada-Gavel-Whitinger association, 5 to 30 percent slopes	3,890	---	3,890	0.2

See footnote at end of table.

TABLE 4.--ACREAGE AND PROPORTIONATE EXTENT OF THE SOILS--Continued

Map symbol	Soil name	Lassen County	Plumas County	Total	
				Area	Extent
		Acres	Acres	Acres	Pct
174	Devada-Glean-Sumine association, 30 to 50 percent slopes	6,535	---	6,535	0.3
175	Devada-Longcreek association, 2 to 30 percent slopes	13,450	---	13,450	0.7
176	Devada-Orhood-Hart Camp association, 5 to 30 percent slopes	9,300	---	9,300	0.5
177	Devada-Papeek-Gavel complex, 30 to 50 percent slopes	1,130	---	1,130	*
178	Devada-Petescreek-Fiddler association, 2 to 30 percent slopes	75,065	---	75,065	3.8
179	Devada-Rock outcrop association, 2 to 50 percent slopes	40,690	---	40,690	2.1
180	Dotta gravelly loam, 2 to 9 percent slopes	870	---	870	*
181	Dotta gravelly loam, high water table, 0 to 5 percent slopes	940	---	940	*
182	Dryvalley silt loam, sandy substratum, 0 to 2 percent slopes	4,900	---	4,900	0.2
183	Dryvalley-Playas complex, 0 to 2 percent slopes	11,350	---	11,350	0.6
184	Eaglelake very gravelly loam, 2 to 9 percent slopes	2,415	---	2,415	0.1
185	Eaglelake-Outland-Weste complex, 9 to 30 percent slopes	28,079	---	28,079	1.4
186	Eaglelake-Outland-Weste complex, 30 to 50 percent slopes	2,450	---	2,450	0.1
187	Eaglelake-Outland-Weste complex, altered, 9 to 30 percent slopes	6,300	---	6,300	0.3
188	Eaglelake-Outland-Weste complex, altered, 30 to 50 percent slopes	1,925	---	1,925	*
189	Easte-Fredonyer association, 30 to 50 percent slopes	5,900	---	5,900	0.3
190	Easte-Roop complex, 5 to 30 percent slopes	8,160	---	8,160	0.4
191	Easte-Roop complex, 30 to 50 percent	2,600	---	2,600	0.1
192	Epot-Playas complex, 0 to 2 percent slopes	13,145	---	13,145	0.7
193	Epot-Ragtown-Playas complex, 0 to 2 percent slopes	6,100	---	6,100	0.3
194	Fiddler-Gavel-Rubble land complex, 5 to 30 percent slopes	3,875	---	3,875	0.2
195	Fiddler-Gavel-Rubble land association, 30 to 50 percent slopes	4,755	---	4,755	0.2
196	Fiddler-Madeline association, 5 to 30 percent slopes	11,760	---	11,760	0.6
197	Fiddler-Orhood-Petescreek association, 5 to 30 percent slopes	18,300	---	18,300	0.9
198	Fivesprings-Longcreek association, 9 to 30 percent slopes	7,265	---	7,265	0.4
199	Fivesprings-Longcreek association, 30 to 50 percent slopes	1,840	---	1,840	*
200	Fivesprings-Longcreek-Rubble land association 9 to 50 percent slopes	10,970	---	10,970	0.6
201	Fivesprings-Rubble land-Devada association, 5 to 30 percent slopes	13,825	---	13,825	0.7
202	Fivesprings-Sumine association, 15 to 50 percent slopes	5,175	---	5,175	0.3
203	Fluvents-Riverwash complex, 0 to 1 percent slopes	2,500	---	2,500	0.1
204	Fordney loamy sand, 0 to 2 percent slopes	5,100	---	5,100	0.3
205	Fordney loamy fine sand, 0 to 5 percent slopes	260	---	260	*
206	Fordney loamy fine sand, wet, 0 to 2 percent slopes	260	---	260	*

See footnote at end of table.

TABLE 4.--ACREAGE AND PROPORTIONATE EXTENT OF THE SOILS--Continued

Map symbol	Soil name	Lassen County	Plumas County	Total	
				Area	Extent
		Acres	Acres	Acres	Pct
207	Forgay very gravelly sandy loam, 0 to 2 percent slopes	---	1,080	1,080	*
208	Forgay extremely gravelly sandy loam, 0 to 2 percent slopes	6,880	---	6,880	0.4
209	Fortsage fine sandy loam, 0 to 2 percent slopes	450	---	450	*
210	Fortsage silt loam, 0 to 2 percent slopes	1,670	---	1,670	*
211	Fraval-Fredonyer-Said association, 9 to 30 percent slopes	3,035	---	3,035	0.2
212	Fraval-Said complex, 5 to 30 percent slopes	4,600	---	4,600	0.2
213	Fredonyer-Whitinger-Orhood association, 30 to 50 percent slopes	11,100	---	11,100	0.6
214	Fulstone-Wylo association, 2 to 30 percent slopes	880	---	880	*
215	Galeppi sandy loam, 2 to 5 percent slopes	3,050	---	3,050	0.2
216	Galeppi sandy loam, 5 to 30 percent slopes	3,180	---	3,180	0.2
217	Galeppi-Glenbrook complex, 5 to 15 percent slopes	2,325	---	2,325	0.1
218	Gavel stony loam, 5 to 30 percent slopes	6,050	---	6,050	0.3
219	Gavel-Devada complex, 30 to 50 percent slopes	1,000	---	1,000	*
220	Gerlach silty clay, 2 to 9 percent slopes	2,765	---	2,765	0.1
221	Gerlach cobbly silty clay, 2 to 9 percent slopes	2,700	---	2,700	0.1
222	Gerlach-Ravendale complex, 0 to 4 percent slopes	2,945	---	2,945	0.2
223	Gerle sandy loam, 2 to 5 percent slopes	1,730	---	1,730	*
224	Gerle sandy loam, 30 to 50 percent slopes	100	---	100	*
225	Gerle complex, 30 to 70 percent slopes	810	---	810	*
226	Glean very gravelly sandy loam, 5 to 30 percent slopes	2,340	---	2,340	0.1
227	Glean very gravelly sandy loam, 30 to 50 percent slopes	1,485	---	1,485	*
228	Glean-Searles association, 30 to 50 percent slopes	4,225	---	4,225	0.2
229	Glenbrook-Graufels-Rock outcrop complex, 30 to 60 percent slopes	16,850	---	16,850	0.9
230	Graufels-Glenbrook complex, 5 to 30 percent slopes	2,950	---	2,950	0.2
231	Hagata-Playas complex, 0 to 2 percent slopes	2,770	---	2,770	0.1
232	Hangtown very cobbly sandy loam, 30 to 50 percent slopes	1,210	---	1,210	*
233	Hart Camp-Devada-Tunnison association, 2 to 15 percent slopes	8,330	---	8,330	0.4
234	Hart Camp-Madeline association, 9 to 15 percent slopes	5,405	---	5,405	0.3
235	Haypress-Tanob association, 15 to 50 percent slopes	475	---	475	*
236	Herjun loamy sand, 0 to 2 percent slopes	1,865	---	1,865	*
237	Herjun silt loam, 0 to 2 percent slopes	1,130	---	1,130	*
238	Highrock-Mazuma-Wespac association, 0 to 2 percent slopes	2,040	---	2,040	0.1
239	Highrock-Wespac-Zorravista complex, 0 to 2 percent slopes	5,000	---	5,000	0.3
240	Home Camp-Newlands association, 5 to 30 percent slopes	5,655	---	5,655	0.3
241	Honlak loam, 0 to 2 percent slopes	4,060	---	4,060	0.2
242	Horsecamp cobbly silty clay, 2 to 9 percent slopes	7,535	---	7,535	0.4
243	Horsecamp-Brubeck association, 2 to 9 percent slopes	35,650	---	35,650	1.8
244	Horsecamp-Hunnton complex, 2 to 9 percent slopes	2,685	---	2,685	0.1

See footnote at end of table.

TABLE 4.--ACREAGE AND PROPORTIONATE EXTENT OF THE SOILS--Continued

Map symbol	Soil name	Lassen County	Plumas County	Total	
				Area	Extent
		Acres	Acres	Acres	Pct
245	Horsecamp-Mahala, association, 0 to 9 percent slopes	700	---	700	*
246	Humboldt silty clay, 0 to 2 percent slopes	1,960	---	1,960	*
247	Humboldt silty clay, 0 to 1 percent slopes, occasionally flooded	5,220	---	5,220	0.3
248	Humboldt silty clay, 0 to 1 percent slopes, ponded	2,380	---	2,380	0.1
249	Humboldt silty clay loam, saline, 0 to 2 percent slopes, occasionally flooded	2,520	---	2,520	0.1
250	Hunnton-Shinnpeak association, 2 to 9 percent slopes	4,920	---	4,920	0.3
251	Incy fine sand, 0 to 5 percent slopes	600	---	600	*
252	Incy fine sand, 5 to 30 percent slopes	8,870	---	8,870	0.5
253	Indiano-Graufels association, 15 to 30 percent slopes	1,270	---	1,270	*
254	Indiano-Searles association, 5 to 30 percent slopes	4,040	---	4,040	0.2
255	Indiano-Searles association, 30 to 50 percent slopes	2,125	---	2,125	0.1
256	Indiano-Zephan-Duco association, 30 to 50 percent slopes	500	---	500	*
257	Inville very gravelly sandy loam, 0 to 5 percent slopes	---	4,160	4,160	0.2
258	Jauriga gravelly loam, 2 to 9 percent slopes	200	---	200	*
259	Jauriga-Buckbay-Fredonyer association, 5 to 30 percent slopes	11,685	---	11,685	0.6
260	Keddie loam, 0 to 2 percent slopes	5,550	---	5,550	0.3
261	Keddie clay loam, 0 to 1 percent slopes	430	---	430	*
262	Ladd sandy loam, 0 to 2 percent slopes	2,890	---	2,890	0.1
263	Ladd-Bieber complex, 0 to 2 percent slopes	660	---	660	*
264	Lakeview loam, 0 to 2 percent slopes	4,030	---	4,030	0.2
265	Lakeview loam, warm, 0 to 2 percent slopes	2,530	---	2,530	0.1
266	Lasco gravelly sandy loam, 2 to 15 percent slopes	1,260	---	1,260	*
267	Lasco gravelly sandy loam, 30 to 50 percent slopes	2,405	---	2,405	0.1
268	Lasco gravelly loam, 15 to 30 percent slopes	2,360	---	2,360	0.1
269	Lasco-Bonta complex, 15 to 30 percent slopes	100	---	100	*
270	Lieberman fine sandy loam, 0 to 2 percent slopes	3,090	---	3,090	0.2
271	Lieberman-Herlong complex, 0 to 2 percent slopes	1,830	---	1,830	*
272	Lodico very cobbly silt loam, 2 to 9 percent slopes	1,720	---	1,720	*
273	Longcreek-Devada-Rubble land complex, 9 to 30 percent slopes	35,420	---	35,420	1.8
274	Longcreek-Devada-Rubble land complex, 30 to 50 percent slopes	7,085	---	7,085	0.4
275	Loomis very cobbly loam, 5 to 30 percent slopes	2,990	---	2,990	0.2
276	Loomis-Fivesprings association, 5 to 30 percent slopes	12,685	---	12,685	0.6
277	Loomis-Rubble land association, 5 to 30 percent slopes	630	---	630	*
278	Madeline-Glean-Devada association, 9 to 50 percent slopes	2,770	---	2,770	0.1
279	Madeline-Sumine association, 9 to 30 percent slopes	15,900	---	15,900	0.8
280	Massack loam, 0 to 2 percent slopes	1,980	---	1,980	0.1
281	Mazuma loamy sand, 0 to 2 percent slopes	860	---	860	*
282	Mazuma fine sandy loam, 0 to 2 percent slopes	4,360	---	4,360	0.2

See footnote at end of table.

TABLE 4.--ACREAGE AND PROPORTIONATE EXTENT OF THE SOILS--Continued

Map symbol	Soil name	Lassen County	Plumas County	Total	
				Area	Extent
		Acres	Acres	Acres	Pct
283	McConnel-Mottsville complex, 2 to 9 percent slopes	2,360	---	2,360	0.1
284	Mcdermott silt loam, 0 to 5 percent slopes	2,710	---	2,710	0.1
285	Modoc-Truax complex, 0 to 2 percent slopes	4,560	---	4,560	0.2
286	Mottsville loamy coarse sand, 0 to 2 percent slopes	3,270	---	3,270	0.2
287	Mottsville loamy coarse sand, 2 to 9 percent slopes	3,520	---	3,520	0.2
288	Mottsville gravelly loamy coarse sand, 0 to 2 percent slopes	6,925	---	6,925	0.4
289	Mottsville gravelly loamy coarse sand, 2 to 9 percent slopes	15,960	---	15,960	0.8
290	Mottsville gravelly loamy coarse sand, 9 to 15 percent slopes	2,030	---	2,030	0.1
291	Mottsville gravelly loamy coarse sand, 15 to 30 percent slopes	485	---	485	*
292	Mottsville-Galeppi association, 15 to 50 percent slopes	335	---	335	*
293	Mountmed peat, 0 to 1 percent slopes	3,020	---	3,020	0.2
294	Mountmed loam, 0 to 2 percent slopes	2,570	---	2,570	0.1
295	Mountmed clay loam, 0 to 3 percent slopes	1,700	---	1,700	*
296	Newlands-Hapgood association 5 to 30 percent slopes	8,300	---	8,300	0.4
297	Ninemile-Home Camp-Newlands association 2 to 30 percent slopes	12,770	---	12,770	0.7
298	Ninemile-Petescreek-Fiddler association 2 to 30 percent slopes	7,710	---	7,710	0.4
299	Ninemile-Weste complex, 0 to 9 percent slopes	550	---	550	*
300	Observation-Searles-Madeline association, 9 to 30 percent slopes	17,480	---	17,480	0.9
301	Observation-Searles-Madeline association, 30 to 50 percent slopes	8,050	---	8,050	0.4
302	Orhood very stony sandy loam, 5 to 15 percent slopes	3,040	---	3,040	0.2
303	Orr sandy loam, 0 to 2 percent slopes	990	---	990	*
304	Outland very stony loam, 30 to 50 percent slopes	2,190	---	2,190	0.1
305	Outland complex, 5 to 30 percent slopes	9,130	---	9,130	0.5
306	Outland-Penstock complex, 15 to 30 percent slopes	1,340	---	1,340	*
307	Outland-Penstock complex, 30 to 50 percent slopes	3,650	---	3,650	0.2
308	Papeek clay loam, 9 to 30 percent slopes	970	---	970	*
309	Papeek cobbly clay loam, 30 to 50 percent slopes	430	---	430	*
310	Penstock-Deadwood association, 9 to 30 percent slopes	4,020	---	4,020	0.2
311	Penstock-Deadwood-Rock outcrop association, 15 to 50 percent slopes	5,870	---	5,870	0.3
312	Penstock-Scaribou complex, 5 to 30 percent slopes	3,580	---	3,580	0.2
313	Penstock-Scaribou complex, 30 to 50 percent slopes	8,900	---	8,900	0.5
314	Pequop-Observation association, 15 to 30 percent slopes	1,130	---	1,130	*
315	Pequop-Observation association, 30 to 50 percent slopes	1,080	---	1,080	*
316	Petescreek-Bucklake-Devada association, 15 to 50 percent slopes	14,410	---	14,410	0.7
317	Petescreek-Devada-Searles association, 15 to 50 percent slopes	5,600	---	5,600	0.3

See footnote at end of table.

TABLE 4.--ACREAGE AND PROPORTIONATE EXTENT OF THE SOILS--Continued

Map symbol	Soil name	Lassen County	Plumas County	Total	
				Area	Extent
		Acres	Acres	Acres	Pct
318	Petescreek-Devada-Searles association, 9 to 30 percent slopes	11,140	---	11,140	0.6
319	Petescreek-Fredonyer association 2 to 30 percent slopes	65,565	---	65,565	3.3
320	Petescreek-Fredonyer association, 30 to 50 percent slopes	6,640	---	6,640	0.3
321	Petescreek-Orhood-Fredonyer association, 9 to 30 percent slopes	18,360	---	18,360	0.9
322	Petescreek-Searles association, 9 to 30 percent slopes	53,960	---	53,960	2.8
323	Petescreek-Searles-Orhood association, 9 to 30 percent slopes	10,360	---	10,360	0.5
324	Pit clay, 0 to 2 percent slopes	5,130	---	5,130	0.3
325	Pits and Dumps	820	---	820	*
326	Playas	500	---	500	*
327	Plinco gravelly sandy loam, 0 to 2 percent slopes	2,810	---	2,810	0.1
328	Plinco loam, 2 to 9 percent slopes	3,700	---	3,700	0.2
329	Puls very cobbly loam, 2 to 9 percent slopes	7,500	---	7,500	0.4
330	Puls-Ninekar complex, 2 to 9 percent slopes	5,210	---	5,210	0.3
331	Puls-Tunnison complex, 2 to 9 percent slopes	2,300	---	2,300	0.1
332	Quartzburg-Scaribou complex, 50 to 75 percent slopes	2,790	---	2,790	0.1
333	Ravendale silty clay, 0 to 2 percent slopes	4,500	---	4,500	0.2
334	Ravendale silty clay, 0 to 2 percent slopes, occasionally flooded	71,400	---	71,400	3.6
335	Ravendale silty clay, 0 to 2 percent slopes, ponded	12,665	---	12,665	0.6
336	Ravendale silty clay, saline, 0 to 1 percent slopes	1,500	---	1,500	*
337	Redriver-Gerle complex, 2 to 9 percent slopes	775	---	775	*
338	Redriver-Weste complex, 2 to 9 percent slopes	---	15,195	15,195	0.8
339	Redriver-Woodwest-Wafla complex, 0 to 9 percent slopes	13,600	---	13,600	0.7
340	Rices clay loam, 0 to 2 percent slopes	2,480	---	2,480	0.1
341	Rose Creek loam, 0 to 1 percent slopes	340	---	340	*
342	Rose Creek loam, sodic, 0 to 2 percent slopes	580	---	580	*
343	Rubble land-Fiddler association, 15 to 50 percent slopes	15,880	---	15,880	0.8
344	Rubble land-Longcreek-Fivesprings association, 30 to 60 percent slopes	9,770	---	9,770	0.5
345	Rubble land-rock outcrop complex, 30 to 70 percent slopes	1,920	---	1,920	*
346	Rubble land-Weste complex, 5 to 50 percent slopes	5,030	---	5,030	0.3
347	Saddlerock peat, 0 to 1 percent slopes, ponded	700	---	700	*
348	Saddlerock silty clay, 0 to 2 percent slopes	6,640	---	6,640	0.3
349	Saddlerock silty clay, drained, 0 to 2 percent slopes	2,520	---	2,520	0.1
350	Saddlerock-Yobe-Termo complex, 0 to 2 percent slopes	3,210	---	3,210	0.2
351	Said gravelly loam, 5 to 30 percent slopes	2,120	---	2,120	0.1
352	Said-Fraval complex, 30 to 50 percent slopes	3,050	---	3,050	0.2
353	Said-Ninemile association, 2 to 30 percent slopes	23,345	---	23,345	1.2
354	Scaribou very gravelly sandy loam, 5 to 30 percent slopes	2,280	---	2,280	0.1
355	Scaribou-Penstock-Rock outcrop complex, 50 to 75 percent slopes	610	---	610	*
356	Searles-Devada-Fivesprings association, 2 to 30 percent slopes	25,250	---	25,250	1.3

See footnote at end of table.

TABLE 4.--ACREAGE AND PROPORTIONATE EXTENT OF THE SOILS--Continued

Map symbol	Soil name	Lassen County	Plumas County	Total	
				Area	Extent
		Acres	Acres	Acres	Pct
357	Searles-Devada-Rubble land association, 30 to 50 percent slopes	9,540	---	9,540	0.5
358	Searles-Glean association, 5 to 30 percent slopes	21,050	---	21,050	1.1
359	Searles-Glean association, 30 to 50 percent slopes	22,260	---	22,260	1.1
360	Searles-Orhood-Devada association, 5 to 30 percent slopes	19,100	---	19,100	1.0
361	Shinnpeak very cobbly loam, 2 to 15 percent slopes	2,075	---	2,075	0.1
362	Smocreek silt loam, sodic, 0 to 2 percent slopes	1,775	---	1,775	*
363	Smocreek silty clay loam, 0 to 2 percent slopes	8,750	---	8,750	0.4
364	Southpac very stony loam, 30 to 50 percent slopes	3,560	---	3,560	0.2
365	Springmeyer sandy loam, 0 to 5 percent slopes	4,560	---	4,560	0.2
366	Springmeyer sandy clay loam, 0 to 2 percent slopes	875	---	875	*
367	Stacy fine sandy loam, 0 to 2 percent slopes	555	---	555	*
368	Standish fine sandy loam, 0 to 2 percent slopes	1,640	---	1,640	*
369	Stiles clay loam, 0 to 5 percent slopes	5,100	---	5,100	0.3
370	Sumine-Softscrabble-Hutchley association, 15 to 50 percent slopes	3,400	---	3,400	0.2
371	Susanville silt loam, 0 to 2 percent slopes	1,260	---	1,260	*
372	Susanville-Smocreek complex, 0 to 2 percent slopes	580	---	580	*
373	Swainow-Almanor-Tahand complex, altered, 2 to 30 percent slopes	---	300	300	*
374	Swainow-Almanor complex, 15 to 30 percent slopes	6,445	---	6,445	0.3
375	Swainow-Redriver complex, 2 to 9 percent slopes	---	1,835	1,835	*
376	Swainow-Tahand complex, 30 to 50 percent slopes	---	100	100	*
377	Tahand-Baileycreek complex, 5 to 30 percent slopes	3,850	---	3,850	0.2
378	Tahand-Swainow-Almanor complex, 2 to 15 percent slopes	3,570	---	3,570	0.2
379	Termo-Biscaro complex, 0 to 2 percent slopes	5,000	---	5,000	0.3
380	Termo-Playas complex, 0 to 1 percent slopes	14,360	---	14,360	0.7
381	Termo-Springmeyer-Smocreek complex, 0 to 2 percent slopes	2,575	---	2,575	0.1
382	Toiyabe-Lasco-Quartzburg complex, 30 to 50 percent slopes	7,275	---	7,275	0.4
383	Toiyabe-Lasco complex, 2 to 30 percent slopes	3,225	---	3,225	0.2
384	Torriorthents-Zorravista complex, 0 to 2 percent slopes	2,150	---	2,150	0.1
385	Truax sandy loam, 0 to 5 percent slopes	14,800	---	14,800	0.8
386	Truckee loam, 0 to 2 percent slopes	2,550	---	2,550	0.1
387	Truckee-Humboldt complex, 0 to 2 percent slopes	3,000	---	3,000	0.2
388	Tunnison very cobbly clay, 2 to 9 percent slopes	8,910	---	8,910	0.5
389	Tunnison-Devada association, 2 to 15 percent slopes	1,590	---	1,590	*
390	Tunnison-Devada association, 2 to 9 percent slopes	16,520	---	16,520	0.8
391	Ulhalf gravelly loam, 30 to 50 percent slopes	1,500	---	1,500	*
392	Ulhalf very gravelly loam, 2 to 15 percent slopes	800	---	800	*

See footnote at end of table.

TABLE 4.--ACREAGE AND PROPORTIONATE EXTENT OF THE SOILS--Continued

Map symbol	Soil name	Lassen County	Plumas County	Total	
				Area	Extent
		Acres	Acres	Acres	Pct
393	Ulhalf-Gavel complex, 2 to 15 percent slopes-	5,300	---	5,300	0.3
394	Ulhalf-Southpac complex, 2 to 30 percent slopes----------	4,830	---	4,830	0.2
395	Verdico-Chalco association, 2 to 30 percent slopes----------	1,550	---	1,550	*
396	Wespac sand, 0 to 2 percent slopes----------	1,200	---	1,200	*
397	Wespac-Playas complex, 0 to 2 percent slopes-	1,535	---	1,535	*
398	Weste-Baileycreek-Tahand complex, 5 to 30 percent slopes----------	770	---	770	*
399	Weste-Rock outcrop complex, 30 to 50 percent slopes----------	500	---	500	*
400	Whitinger-Devada association, 5 to 30 percent slopes----------	4,890	---	4,890	0.2
401	Whorled-Almanor complex, 15 to 30 percent slopes----------	---	700	700	*
402	Wylo-Bucklake association, 9 to 50 percent slopes----------	2,480	---	2,480	0.1
403	Wylo-Diaz-Brubeck association, 2 to 30 percent slopes----------	4,000	---	4,000	0.2
404	Wylo-Pickup-Bucklake association, 9 to 50 percent slopes----------	1,680	---	1,680	*
405	Xerolls-aquolls complex, 0 to 2 percent slopes----------	4,975	---	4,975	0.3
406	Yobe silt loam, 0 to 2 percent slopes--------	6,225	---	6,225	0.3
407	Zorravista loamy sand, 0 to 5 percent slopes-	4,875	---	4,875	0.2
408	Zorravista sand, 2 to 15 percent slopes------	5,200	---	5,200	0.3
409	Water----------	110,000	30,000	140,000	7.1
	Total----------	1,895,199	66,595	1,961,794	100.0

* Less than 0.1 percent.

TABLE 5.--LAND CAPABILITY AND IRRIGATED YIELDS PER ACRE OF CROPS AND PASTURE
Susanville Area, Parts of Lassen and Plumas Counties, California: Detailed Soil Map Legend

(Yields are those that can be expected under a high level of irrigated management by component. Absence of a yield indicates that the soil is not suited to the crop or the crop generally is not grown on the soil)

Map symbol and soil name	Land Capability Irrigated	Alfalfa hay
		Tons
104:		
Ardep	3s	6.5
105:		
Ardep	3w	7.0
108:		
Ardep	---	6.5
Wespac	---	---
Zorravista	---	---
109:		
Artray	4w	---
115:		
Beckwourth	4w	---
Fordney	4e	3.5
116:		
Bieber	4e	---
117:		
Biscaro	4s	---
118:		
Biscaro	4s	---
Calnat	4s	---
120:		
Blickenstaff	2e	7.0
121:		
Honeylake	4w	---
122:		
Bobert	4s	---
123:		
Bobert	4s	---
142:		
Calpine	3e	7.0
143:		
Calpine	2e	7.0
144:		
Calpine	2e	7.0
145:		
Calpine	4e	7.0

TABLE 5.--LAND CAPABILITY AND YIELDS PER ACRE OF CROPS AND PASTURE--Continued
Susanville Area, Parts of Lassen and Plumas Counties, California: Detailed Soil Map Legend

Map symbol and soil name	Land Capability Irrigated	Alfalfa hay
		Tons
147:		
Capona	---	5.0
Rock outcrop	---	---
148:		
Cewat	---	3.5
149:		
Cewat	---	3.5
McConnel	---	---
Toulon	---	---
158:		
Cleghorn	4e	---
159:		
Cleghorn	3e	---
182:		
Dryvalley	4s	---
204:		
Fordney	4e	4.0
205:		
Fordney	3e	7.0
206:		
Fordney	3e	7.0
209:		
Fortsage	2e	7.0
215:		
Galeppi	2e	6.5
216:		
Galeppi	3e	6.5
217:		
Galeppi	4e	---
Glenbrook	4e	---
220:		
Gerlach	3e	---
222:		
Gerlach	4w	---
Ravendale	4w	---
236:		
Herjun	3s	---
237:		
Herjun	2s	---
238:		
Highrock	3e	---
Mazuma	2s	---
Wespac	3s	---

TABLE 5.--LAND CAPABILITY AND YIELDS PER ACRE OF CROPS AND PASTURE--Continued
Susanville Area, Parts of Lassen and Plumas Counties, California: Detailed Soil Map Legend

Map symbol and soil name	Land Capability Irrigated	Alfalfa hay
		Tons
239:		
Highrock	3e	---
Wespac	3s	---
Zorravista	3s	---
246:		
Humboldt	3w	---
247:		
Humboldt	3w	---
248:		
Humboldt	5w	---
249:		
Humboldt	3w	---
251:		
Incy	4s	4.0
252:		
Incy	4s	---
260:		
Keddie	4w	---
261:		
Keddie	3w	---
262:		
Ladd	3c	6.5
263:		
Ladd	3c	5.0
Bieber	4s	4.5
264:		
Lakeview	4c	---
265:		
Lakeview	2w	6.5
280:		
Massack	3w	---
281:		
Mazuma	2s	---
282:		
Mazuma	2s	---
283:		
McConnel	3e	4.8
Mottsville	3e	---
285:		
Modoc	3e	5.0
Truax	3e	7.0
286:		
Mottsville	3e	---

TABLE 5.--LAND CAPABILITY AND YIELDS PER ACRE OF CROPS AND PASTURE--Continued
Susanville Area, Parts of Lassen and Plumas Counties, California: Detailed Soil Map Legend

Map symbol and soil name	Land Capability Irrigated	Alfalfa hay
		Tons
287: Mottsville------	3e	---
288: Mottsville------	3e	---
289: Mottsville------	3e	---
290: Mottsville------	4e	---
291: Mottsville------	4e	---
295: Mountmed--------	4w	---
303: Orr-------------	2e	6.5
324: Pit-------------	4w	3.5
327: Plinco----------	2w	7.0
328: Plinco----------	3e	7.0
333: Ravendale-------	4s	3.5
334: Ravendale-------	4w	3.5
335: Ravendale-------	---	3.5
336: Ravendale-------	---	3.5
340: Rices-----------	3w	---
341: Rose Creek------	3w	---
342: Rose Creek------	3w	---
347: Saddlerock------	4w	---
348: Saddlerock------	4w	---
349: Saddlerock------	4w	---
362: Smocreek--------	4s	---
363: Smocreek--------	3w	6.5

TABLE 5.--LAND CAPABILITY AND YIELDS PER ACRE OF CROPS AND PASTURE--Continued
Susanville Area, Parts of Lassen and Plumas Counties, California: Detailed Soil Map Legend

Map symbol and soil name	Land Capability Irrigated	Alfalfa hay
		Tons
365:		
Springmeyer-----	2e	6.5
366:		
Springmeyer-----	2c	6.5
367:		
Stacy-----------	2e	---
368:		
Standish--------	4s	---
371:		
Susanville------	4s	---
372:		
Susanville------	4s	---
Smocreek--------	4s	---
Smocreek--------	4s	---
385:		
Truax-----------	4e	5.0
386:		
Truckee---------	2w	---
387:		
Truckee---------	4w	---
Humboldt--------	4w	---
396:		
Wespac----------	4s	---
397:		
Wespac----------	3s	---
Playas----------	---	---

TABLE 6.--LAND CAPABILITY CLASSIFICATION

Land capability is a system of grouping soils primarily on the basis of their capability to produce common cultivated crops and pasture plants without deteriorating over a long period of time.

LCC placement in California is based on state criteria developed in 1978, revised in 1992.

Map symbol and soil name	Land Capability	
	Non-Irrigated	Irrigated
101:		
Almanor	6s	---
Whorled	6s	---
Inville	6s	---
102:		
Alomax, very stony sandy loam	7e	---
Glean	6e	---
Rock Outcrop	8	---
103:		
Anawalt	7s	---
Ninemile	7s	---
104:		
Ardep	6s	3s-6
105:		
Ardep	4w-2	3w-2
106:		
Ardep	7s	---
107:		
Ardep	7e	---
108:		
Ardep	7s	---
Wespac	7s	---
Zorravista	7s	---
109:		
Artray	4w-2	4w-2
110:		
Badenaugh	7s	---
111:		
Baileycreek	6e	---
Weste	6e	---
112:		
Baileycreek	6e	---
Weste	6e	---
113:		
Baileycreek	6e	---
Weste	6e	---
114:		
Barnard	6s	---

TABLE 6.--Land Capability Classification--Continued

Map symbol and soil name	Land Capability	
	Non-Irrigated	Irrigated
115:		
Beckwourth	4w-1	4w-1
Fordney	4e-1	4e-1
116:		
Bieber	6s	4e-8
117:		
Biscaro	4s-3	4s-3
118:		
Biscaro	4s-3	4s-3
Calnat	4s-3	4s-3
119:		
Biscaro	4s-3	---
Playas, silty clay	8	---
120:		
Blickenstaff	6e	2e-1
121:		
Honeylake	7w	4w-6
122:		
Bobert	7s	4s-6
123:		
Bobert	7s	4s-6
124:		
Bonta	6e	---
125:		
Bonta	6e	---
126:		
Bonta	6e	---
127:		
Boulder Lake	5w	---
128:		
Boulder Lake	6w	---
129:		
Brubeck	7s	---
130:		
Brubeck	7s	---
131:		
Brubeck	7s	---
Diaz	7s	---
132:		
Brubeck	6s	---
Loomis	7s	---
133:		
Buckbay	6e	---

TABLE 6.--Land Capability Classification--Continued

Map symbol and soil name	Land Capability	
	Non-Irrigated	Irrigated
Orhood	7s	---
Devada	7s	---
134:		
Buckbay	6e	---
Orhood	7s	---
Fredonyer	7s	---
135:		
Bucklake	7e	---
Corral	7e	---
Rubble Land	8	---
136:		
Bunanch	6e	---
137:		
Cagwin	6e	---
138:		
Cagwin	6e	---
139:		
Calnat	7s	---
140:		
Calneva	7s	---
141:		
Calneva	7s	---
Playas, silty clay	8	---
142:		
Calpine	4e-1	3e-1
143:		
Calpine	4e-1	2e-1
144:		
Calpine	4e-1	2e-1
145:		
Calpine	4e-1	4e-1
146:		
Indiano	6s	---
Chalco	6s	---
147:		
Capona	6e	---
Rock Outcrop	8	---
148:		
Cewat	7s	---
149:		
Cewat	7s	---

TABLE 6.--Land Capability Classification--Continued

Map symbol and soil name	Land Capability	
	Non-Irrigated	Irrigated
Mcconnel	7s	---
Toulon	7s	---
150: Chappuis	7s	---
151: Chappuis	7s	---
152: Chimney	6s	---
153: Chimney	6s	---
154: Chimney	6e	---
Janile, very bouldery	7e	---
Waterman, very bouldery	7e	---
155: Chimney	7e	---
Janile, very bouldery	7e	---
Waterman, very bouldery	7e	---
156: Chimney	6e	---
Waterman, very bouldery	7e	---
157: Chirpchatter	3e-4	---
158: Cleghorn	4e-1	4e-1
159: Cleghorn	6e	3e-1
160: Cochran	6s	---
161: Cochran	7s	---
162: Corral	4s-1	---
163: Corral	6s	---
164: Corral	7e	---
165: Corral	7e	---
166: Corral	7e	---

TABLE 6.--Land Capability Classification--Continued

Map symbol and soil name	Land Capability	
	Non-Irrigated	Irrigated
167:		
Corral	4s-1	---
Chalco	6s	---
168:		
Corral	7e	---
Glenbrook	7e	---
169:		
Devada	7s	---
Brubeck	7s	---
170:		
Devada	7s	---
Bucklake	7s	---
171:		
Devada	7e	---
Fivesprings	7e	---
Rubble Land	8	---
172:		
Devada	7s	---
Gavel	7s	---
173:		
Devada	7s	---
Gavel	6s	---
Whitinger	6s	---
174:		
Devada	7e	---
Glean	6e	---
Sumine	7e	---
175:		
Devada	7s	---
Longcreek	7s	---
176:		
Devada	7s	---
Orhood	7s	---
Hart Camp	7s	---
177:		
Devada	6e	---
Papeek	6e	---
Gavel	6e	---

TABLE 6.--Land Capability Classification--Continued

Map symbol and soil name	Land Capability	
	Non-Irrigated	Irrigated
178:		
Devada	7s	---
Petescreek	6e	---
Fiddler	7s	---
179:		
Devada	7e	---
Rock Outcrop	8	---
180:		
Dotta	4e-4	---
181:		
Dotta	4w-4	---
182:		
Dryvalley	4s-3	4s-3
183:		
Dryvalley	4w-6	---
Playas, silty clay	8	---
184:		
Eaglelake	3s-4	---
185:		
Eaglelake	6e	---
Outland	6e	---
Weste	6e	---
186:		
Eaglelake	6e	---
Outland	6e	---
Weste	6e	---
187:		
Eaglelake	6e	---
Outland	6e	---
Weste	6e	---
188:		
Eaglelake	6e	---
Outland	6e	---
Weste	6e	---
189:		
Easte	7e	---
Fredonyer	7s	---
190:		
Easte	6e	---
Roop	6e	---

TABLE 6.--Land Capability Classification--Continued

Map symbol and soil name	Land Capability	
	Non-Irrigated	Irrigated
191:		
Easte	6e	---
Roop	6e	---
192:		
Epot	7e	---
Playas, silty clay	8	---
193:		
Epot	7s	---
Ragtown	7s	---
Playas, silty clay	8	---
194:		
Fiddler	7s	---
Gavel	7s	---
Rubble Land	8	---
195:		
Fiddler	7e	---
Gavel	7e	---
Rubble Land	8	---
196:		
Fiddler	7s	---
Madeline	7s	---
197:		
Fiddler	7s	---
Orhood	7s	---
Petescreek	6s	---
198:		
Fivesprings	7s	---
Longcreek	7s	---
199:		
Fivesprings	7e	---
Longcreek	7e	---
200:		
Fivesprings	7e	---
Longcreek	7s	---
Rubble Land	8	---
201:		
Fivesprings	7s	---
Rubble Land	8	---
Devada	7s	---

TABLE 6.--Land Capability Classification--Continued

Map symbol and soil name	Land Capability	
	Non-Irrigated	Irrigated
202:		
Fivesprings	7s	---
Sumine	7e	---
203:		
Fluvents	8	---
Riverwash	8	---
204:		
Fordney	6e	4e-1
205:		
Fordney	6e	3e-1
206:		
Fordney	6e-4	3e-2
207:		
Forgay	6s	---
208:		
Forgay	6s	---
209:		
Fortsage	6e	2e-1
210:		
Fortsage	6w	---
211:		
Fraval	7s	---
Fredonyer	7s	---
Said	6e	---
212:		
Fraval	7s	---
Said	6e	---
213:		
Fredonyer	7e	---
Whitinger	7e	---
Orhood	7e	---
214:		
Fulstone	7s	---
Wylo	7s	---
215:		
Galeppi	6e	2e-1
216:		
Galeppi	6e	3e-1
217:		
Galeppi	6s	4e-1
Glenbrook	6s	4e-1

TABLE 6.--Land Capability Classification--Continued

Map symbol and soil name	Land Capability	
	Non-Irrigated	Irrigated
218:		
Gavel, stony loam	6s	---
219:		
Gavel, very stony sandy loam	7e	---
Devada	7e	---
220:		
Gerlach	6e	3e-3
221:		
Gerlach	6e	---
222:		
Gerlach	6w	4w-2
Ravendale	6w	4w-2
223:		
Gerle	4e-4	---
224:		
Gerle	6e	---
225:		
Gerle	7e	---
Gerle	7e	---
Gerle	7e	---
226:		
Glean	6e	---
227:		
Glean	6e	---
228:		
Glean	7e	---
Searles	7e	---
229:		
Glenbrook	7e	---
Graufels	7e	---
Rock Outcrop	8	---
230:		
Graufels	7e	---
Glenbrook	7e	---
231:		
Hagata	6s	---
Playas	8	---
232:		
Hangtown	6e	---
233:		
Hart Camp	7s	---

TABLE 6.--Land Capability Classification--Continued

Map symbol and soil name	Land Capability	
	Non-Irrigated	Irrigated
Devada	7s	---
Tunnison	7s	---
234:		
Hart Camp	6e	---
Madeline	7s	---
235:		
Haypress	7e	---
Tanob	6e	---
236:		
Herjun	7s	3s-4
237:		
Herjun	7s	2s-6
238:		
Highrock, loamy fine sand	7s	3e-4
Mazuma	7s	2s-5
Wespac	7s	3s-6
239:		
Highrock, loamy fine sand	7s	3e-4
Wespac, fine sandy loam	7s	3s-6
Zorravista, loamy sand	7s	3s-4
240:		
Home Camp	6e	---
Newlands	6e	---
241:		
Honlak	7w	---
242:		
Horsecamp	6s	---
243:		
Horsecamp	7s	---
Brubeck	7s	---
244:		
Horsecamp	7s	---
Hunnton	7s	---
245:		
Horsecamp, cobbly clay	6e	---
Mahala	7s	---
246:		
Humboldt	6w	3w-2
247:		
Humboldt	6w	3w-2

TABLE 6.--Land Capability Classification--Continued

Map symbol and soil name	Land Capability	
	Non-Irrigated	Irrigated
248:		
Humboldt	5w	5w
249:		
Humboldt	6w	3w-2
250:		
Hunnton	6e	---
Shinnpeak	7s	---
251:		
Incy	7s	4s-4
252:		
Incy	7s	4s-4
253:		
Indiano	6e	---
Graufels	7e	---
254:		
Indiano	7s	---
Searles	7s	---
255:		
Indiano	7e	---
Searles	7e	---
256:		
Indiano	7s	---
Zephan	7s	---
Duco, stony loam	7s	---
257:		
Inville	6s	---
258:		
Jauriga	4e-4	---
259:		
Jauriga	6e	---
Buckbay	6e	---
Fredonyer	7s	---
260:		
Keddie	4w-2	4w-2
261:		
Keddie	5w	3w-2
262:		
Ladd	4c-2	3c-2
263:		
Ladd	3c-2	3c-2
Bieber	6s	4s-8

TABLE 6.--Land Capability Classification--Continued

Map symbol and soil name	Land Capability	
	Non-Irrigated	Irrigated
264:		
Lakeview	4c-2	4c-2
265:		
Lakeview	4w-2	2w-2
266:		
Lasco	4e-4	---
267:		
Lasco	6e	---
268:		
Lasco	4e-4	---
269:		
Lasco	4e-4	---
Bonta	4e-4	---
270:		
Lieberman	7s	---
271:		
Lieberman	7s	---
Herlong	7s	---
272:		
Lodico	7s	---
273:		
Longcreek	7s	---
Devada	7s	---
Rubble Land	8	---
274:		
Longcreek	7e	---
Devada	7e	---
Rubble Land	8	---
275:		
Loomis	7s	---
276:		
Loomis	7s	---
Fivesprings	7s	---
277:		
Loomis	7s	---
Rubble Land	8	---
278:		
Madeline	7s	---
Glean	7e	---
Devada	7s	---

TABLE 6.--Land Capability Classification--Continued

Map symbol and soil name	Land Capability	
	Non-Irrigated	Irrigated
279:		
Madeline	7s	---
Sumine	6e	---
280:		
Massack	4w-2	3w-2
281:		
Mazuma	6s	2s-6
282:		
Mazuma	7s	2s-6
283:		
Mcconnel	6e	3e-1
Mottsville	6e	3e-1
284:		
Mcdermott	7e	---
285:		
Modoc	6e	3e-8
Truax	6e	3e-8
286:		
Mottsville	4e-4	3e-4
287:		
Mottsville	4e-4	3e-1
288:		
Mottsville	6e	3e-4
289:		
Mottsville	6e	3e-1
290:		
Mottsville	6e	4e-1
291:		
Mottsville	6e	4e-1
292:		
Mottsville	6e	---
Galeppi	6e	---
293:		
Mountmed	5w	---
294:		
Mountmed	5w	---
295:		
Mountmed	4w-1	4w-1
296:		
Newlands	6e	---
Hapgood	6e	---
297:		
Ninemile	7s	---

TABLE 6.--Land Capability Classification--Continued

Map symbol and soil name	Land Capability	
	Non-Irrigated	Irrigated
Home Camp	6e	---
Newlands	6e	---
298:		
Ninemile	7s	---
Petescreek	6e	---
Fiddler	7s	---
299:		
Ninemile	7s	---
Weste	7s	---
300:		
Observation	7s	---
Searles	7s	---
Madeline	7s	---
301:		
Observation	7e	---
Searles	7e	---
Madeline	7e	---
302:		
Orhood	7s	---
303:		
Orr	6e	2e-1
304:		
Outland	6e	---
305:		
Outland	6e	---
Outland	6e	---
306:		
Outland	6e	---
Penstock	6e	---
307:		
Outland	7e	---
Penstock	7e	---
308:		
Papeek	6e	---
309:		
Papeek	6e	---
310:		
Penstock	6e	---
Deadwood	6e	---

TABLE 6.--Land Capability Classification--Continued

Map symbol and soil name	Land Capability	
	Non-Irrigated	Irrigated
311:		
Penstock	6e	---
Deadwood	6e	---
Rock Outcrop	8	---
312:		
Penstock, stony loam	6e	---
Scaribou, stony loam	6e	---
313:		
Penstock, stony loam	6e	---
Scaribou, stony loam	6e	---
314:		
Pequop, very cobbly loam	7s	---
Observation	7s	---
315:		
Pequop	7e	---
Observation	7e	---
316:		
Petescreek	6e	---
Bucklake	7e	---
Devada	7s	---
317:		
Petescreek	6e	---
Devada	7s	---
Searles	7e	---
318:		
Petescreek	6e	---
Devada	7s	---
Searles	7s	---
319:		
Petescreek	6e	---
Fredonyer	7s	---
320:		
Petescreek	6e	---
Fredonyer	7e	---
321:		
Petescreek	6e	---
Orhood	7s	---
Fredonyer	7s	---

TABLE 6.--Land Capability Classification--Continued

Map symbol and soil name	Land Capability	
	Non-Irrigated	Irrigated
322:		
Petescreek	6e	---
Searles	7s	---
323:		
Petescreek	6e	---
Searles	7s	---
Orhood	7s	---
324:		
Pit	4w-2	4w-2
325:		
Pits	8	---
Dumps	8	---
326:		
Playas, silty clay	8	---
327:		
Plinco, gravelly sandy loam	4c-2	2w-2
328:		
Plinco	4e-1	3e-1
329:		
Puls	7s	---
330:		
Puls	7s	---
Ninekar	7s	---
331:		
Puls	7s	---
Tunnison	7s	---
332:		
Quartzburg	6e	---
Scaribou	6e	---
333:		
Ravendale	4s-2	4s-2
334:		
Ravendale	4w-2	4w-2
335:		
Ravendale	6w	---
336:		
Ravendale	6s	---
337:		
Redriver	4e	---
Gerle	4e	---
338:		
Redriver	6e	---

TABLE 6.--Land Capability Classification--Continued

Map symbol and soil name	Land Capability	
	Non-Irrigated	Irrigated
Weste	6e	---
339:		
Redriver, stony sandy loam	7s	---
Woodwest	7s	---
Wafla	7s	---
340:		
Rices	6w	3w-6
341:		
Rose Creek	6w	3w-2
342:		
Rose Creek	6w	3w-2
343:		
Rubble Land	8	---
Fiddler	7s	---
344:		
Rubble Land	8	---
Longcreek	7e	---
Fivesprings	7e	---
345:		
Rubble Land	8	---
Rock Outcrop	8	---
346:		
Rubble Land	8	---
Weste	7e	---
347:		
Saddlerock	5w	4w-2
348:		
Saddlerock	5w	4w-2
349:		
Saddlerock	6w	4w-2
350:		
Saddlerock	6w	---
Yobe	6w	---
Termo	6w	---
351:		
Said	6e	---
352:		
Said	6e	---
Fraval	6e	---
353:		
Said	6e	---

TABLE 6.--Land Capability Classification--Continued

Map symbol and soil name	Land Capability	
	Non-Irrigated	Irrigated
Ninemile	7s	---
354:		
Scaribou	4e	---
355:		
Scaribou	7e	---
Penstock	7e	---
Rock Outcrop	8	---
356:		
Searles	6e	---
Devada	7s	---
Fivesprings	7s	---
357:		
Searles	7e	---
Devada	7e	---
Rubble Land	8	---
358:		
Searles	7s	---
Glean	6e	---
359:		
Searles	7e	---
Glean	7e	---
360:		
Searles	7s	---
Orhood	7s	---
Devada	7s	---
361:		
Shinnpeak, very cobbly sandy loam	7s	---
362:		
Smocreek	6s	4s-6
363:		
Smocreek, silt loam	4w-1	3w-1
364:		
Southpac	6e	---
365:		
Springmeyer	6e	2e-1
366:		
Springmeyer	6c	2c-1
367:		
Stacy	6e	2e-2
368:		
Standish	7s	4s-6

TABLE 6.--Land Capability Classification--Continued

Map symbol and soil name	Land Capability	
	Non-Irrigated	Irrigated
369:		
Stiles	7e	---
370:		
Sumine	7e	---
Softscrabble, stony fine sandy loam	7e	---
Hutchley	7s	---
371:		
Susanville	7s	4s-6
372:		
Susanville	6s	4s-6
Smocreek	6s	4s-6
373:		
Swainow	6e	---
Almanor	6e	---
Tahand	6e	---
374:		
Swainow, very stony sandy loam	6e	---
Almanor	6e	---
375:		
Swainow	6s	---
Redriver	6s	---
376:		
Swainow	6e	---
Tahand, very stony sandy loam	6e	---
377:		
Tahand, very gravelly loam	4s-4	---
Baileycreek	4s-4	---
378:		
Tahand	6s	---
Swainow	6s	---
Almanor	6s	---
379:		
Termo	4s-6	---
Biscaro	4s-6	---
380:		
Termo	4s-6	---
Playas	8	---
381:		
Termo	6s	---
Springmeyer	6s	---

TABLE 6.--Land Capability Classification--Continued

Map symbol and soil name	Land Capability	
	Non-Irrigated	Irrigated
Smocreek	6s	4s-6
382:		
Toiyabe	6e	---
Lasco	6e	---
Quartzburg	6e	---
383:		
Toiyabe	6e	---
Lasco	6e	---
384:		
Torriorthents	7s	---
Zorravista	7s	---
385:		
Truax	4e-1	4e-1
386:		
Truckee	6w	2w-2
387:		
Truckee	6w	4w-2
Humboldt	6w	4w-2
388:		
Tunnison	7s	---
389:		
Tunnison	7s	---
Devada	7s	---
390:		
Tunnison	7s	---
Devada	7s	---
391:		
Ulhalf	4e-4	---
392:		
Ulhalf	4e-4	---
393:		
Ulhalf	6e	---
Gavel, very stony sandy loam	6e	---
394:		
Ulhalf	7s	---
Southpac	7s	---
395:		
Verdico	6e	---
Chalco	6e	---
396:		
Wespac	7s	4s-6

TABLE 6.--Land Capability Classification--Continued

Map symbol and soil name	Land Capability	
	Non-Irrigated	Irrigated
397:		
Wespac	7s	3s-6
Playas	8	---
398:		
Weste	7s	---
Baileycreek	7s	---
Tahand, very stony sandy loam	7s	---
399:		
Weste	6e	---
Rock Outcrop	8	---
400:		
Whitinger	6s	---
Devada	7s	---
401:		
Whorled	6e	---
Almanor	6e	---
402:		
Wylo	7s	---
Bucklake	7e	---
403:		
Wylo	7s	---
Diaz	7s	---
Brubeck	7s	---
404:		
Wylo	7s	---
Pickup	7e	---
Bucklake	7e	---
405:		
Xerolls	5w	---
Aquolls	5w	---
406:		
Yobe	7w	---
407:		
Zorravista	6s	---
408:		
Zorravista	7s	---
409:		
Water	---	---

TABLE 7.--RANGELAND PRODUCTIVITY AND CHARACTERISTIC PLANT COMMUNITIES
Susanville Area, Parts of Lassen and Plumas Counties, California: Detailed Soil Map Legend

Map symbol and soil name	Ecological site	Total production		Characteristic vegetation	Composition	
		Kind of year	Dry weight		Forest	Range
			Lb/acre		Pct	Pct
101:						
Almanor	---	FAVORABLE	---	greenleaf manzanita	5	
		NORMAL	---	pipsissewa	5	
		UNFAVORABLE	---	sedge	5	
				serviceberry	5	
				snowberry	5	
				squawcarpet	5	
				swamp carex	5	
				whitethorn ceanothus	5	
Whorled	---	FAVORABLE	---	needlegrass	10	
		NORMAL	---	sedge	10	
		UNFAVORABLE	---	serviceberry	5	
				snowberry	5	
				squawcarpet	10	
				whitethorn ceanothus	15	
				wildrye	10	
Inville	---	FAVORABLE	---	manzanita	5	
		NORMAL	---	mountain brome	5	
		UNFAVORABLE	---	needlegrass	5	
				snowbrush ceanothus	5	
				whitethorn ceanothus	5	
102:						
Alomax	STONY LOAM 12-16" (R021XE174CA)	FAVORABLE	1800	Idaho fescue		25
		NORMAL	1400	antelope bitterbrush		10
		UNFAVORABLE	1000	bluebunch wheatgrass		30
				mountain big sagebrush		5
				needlegrass		25
Glean	LOAM 12-16" (R021XE176CA)	FAVORABLE	2000	Idaho fescue		30
		NORMAL	1800	antelope bitterbrush		5
		UNFAVORABLE	1400	bluebunch wheatgrass		30
				mountain big sagebrush		5
				needlegrass		25
Rock outcrop	---	FAVORABLE	---			
		NORMAL	---			
		UNFAVORABLE	---			
103:						
Anawalt	SHALLOW STONY LOAM 12-16" (R021XE173CA)	FAVORABLE	1000	Idaho fescue		15
		NORMAL	700	Sandberg bluegrass		10
		UNFAVORABLE	500	Thurber needlegrass		15
				antelope bitterbrush		5
				bluebunch wheatgrass		40
				low sagebrush		10
Ninemile	SHALLOW STONY LOAM 12-16" (R021XE173CA)	FAVORABLE	1000	Idaho fescue		35
		NORMAL	700	Thurber needlegrass		5
		UNFAVORABLE	400	antelope bitterbrush		5
				balsamroot		5
				bluebunch wheatgrass		15
				bluegrass		10
				bottlebrush squirreltail		5
				low sagebrush		20
104:						
Ardep	SANDY TERRACE 6-9" (R023XG054CA)	FAVORABLE	1100	Indian ricegrass		30
		NORMAL	800	basin big sagebrush		5
		UNFAVORABLE	600	basin wildrye		10
				fourwing saltbush		5
				littleleaf horsebrush		5
				needleandthread		30
105:						
Ardep	---	FAVORABLE	---			
		NORMAL	---			
		UNFAVORABLE	---			
106:						
Ardep	SODIC FLAT 6-9" (R023XG046CA)	FAVORABLE	700	black greasewood		10
		NORMAL	500	bottlebrush squirreltail		10
		UNFAVORABLE	300	bud sagebrush		10
				shadscale		60
107:						
Ardep	LIMY TERRACE 6-9" (R023XG055CA)	FAVORABLE	800	Indian ricegrass		10
		NORMAL	600	bud sagebrush		5
		UNFAVORABLE	400	winterfat		70

TABLE 7.--RANGELAND PRODUCTIVITY AND CHARACTERISTIC PLANT COMMUNITIES--Continued
Susanville Area, Parts of Lassen and Plumas Counties, California: Detailed Soil Map Legend

Map symbol and soil name	Ecological site	Total production		Characteristic vegetation	Composition	
		Kind of year	Dry weight		Forest	Range
			Lb/acre		Pct	Pct
108:						
Ardep----------	SANDY TERRACE 6-9" (R023XG054CA)	FAVORABLE	1100	Indian ricegrass		30
		NORMAL	800	basin big sagebrush		5
		UNFAVORABLE	600	basin wildrye		10
				fourwing saltbush		5
				littleleaf horsebrush		5
				needleandthread		30
Wespac----------	SODIC SHALLOW SAND 6-9" (R023XG052CA)	FAVORABLE	900	Indian ricegrass		15
		NORMAL	700	basin big sagebrush		15
		UNFAVORABLE	400	basin wildrye		15
				bottlebrush squirreltail		15
				needleandthread		15
Zorravista------	SAND DUNES 6-9" (R023XG049CA)	FAVORABLE	1100	Indian ricegrass		35
		NORMAL	700	basin big sagebrush		10
		UNFAVORABLE	600	basin wildrye		10
				black greasewood		5
				fourwing saltbush		10
				littleleaf horsebrush		5
				needleandthread		10
				rubber rabbitbrush		10
				spiny hopsage		5
109:						
Artray----------	---	FAVORABLE	---			
		NORMAL	---			
		UNFAVORABLE	---			
110:						
Badenaugh-------	GRANITIC UPLAND 9-12" (R026XF052CA)	FAVORABLE	1200	Anderson peachbrush		10
		NORMAL	900	antelope bitterbrush		15
		UNFAVORABLE	600	big sagebrush		5
				bluebunch wheatgrass		10
				green ephedra		5
				needlegrass		50
111:						
Baileycreek-----	---	FAVORABLE	---	manzanita	5	
		NORMAL	---	mountain brome	5	
		UNFAVORABLE	---	needlegrass	5	
				snowbrush ceanothus	5	
				whitethorn ceanothus	5	
Weste-----------	---	FAVORABLE	---	greenleaf manzanita	5	
		NORMAL	---	squawcarpet	5	
		UNFAVORABLE	---	whitethorn ceanothus	5	
112:						
Baileycreek-----	---	FAVORABLE	---	manzanita	5	
		NORMAL	---	mountain brome	5	
		UNFAVORABLE	---	needlegrass	5	
				snowbrush ceanothus	5	
				whitethorn ceanothus	5	
Weste-----------	---	FAVORABLE	---	greenleaf manzanita	5	
		NORMAL	---	squawcarpet	5	
		UNFAVORABLE	---	whitethorn ceanothus	5	
113:						
Baileycreek-----	---	FAVORABLE	---	manzanita	5	
		NORMAL	---	mountain brome	5	
		UNFAVORABLE	---	needlegrass	5	
				snowbrush ceanothus	5	
				whitethorn ceanothus	5	
Weste-----------	---	FAVORABLE	---	greenleaf manzanita	5	
		NORMAL	---	squawcarpet	5	
		UNFAVORABLE	---	whitethorn ceanothus	5	
114:						
Barnard---------	STONY LOAM 9-12" (R023XF082CA)	FAVORABLE	1200	Thurber needlegrass		15
		NORMAL	900	Wyoming big sagebrush		5
		UNFAVORABLE	600	antelope bitterbrush		5
				basin wildrye		5
				bluebunch wheatgrass		60

TABLE 7.--RANGELAND PRODUCTIVITY AND CHARACTERISTIC PLANT COMMUNITIES--Continued
Susanville Area, Parts of Lassen and Plumas Counties, California: Detailed Soil Map Legend

Map symbol and soil name	Ecological site	Total production		Characteristic vegetation	Composition	
		Kind of year	Dry weight		Forest	Range
			Lb/acre		Pct	Pct
115:						
Beckwourth------	---	FAVORABLE	---			
		NORMAL	---			
		UNFAVORABLE	---			
Fordney---------	SANDY LOAM FAN 12-16" (R021XE180CA)	FAVORABLE	1800	Idaho fescue		40
		NORMAL	1500	antelope bitterbrush		5
		UNFAVORABLE	1000	beardless wildrye		10
				mountain big sagebrush		10
				needleandthread		20
116:						
Bieber----------	SHALLOW STONY LOAM 12-16" (R021XE173CA)	FAVORABLE	1000	Idaho fescue		15
		NORMAL	700	Thurber needlegrass		15
		UNFAVORABLE	500	antelope bitterbrush		5
				bluebunch wheatgrass		40
				bluegrass		10
				low sagebrush		10
117:						
Biscaro---------	---	FAVORABLE	---			
		NORMAL	---			
		UNFAVORABLE	---			
118:						
Biscaro---------	---	FAVORABLE	---			
		NORMAL	---			
		UNFAVORABLE	---			
Calnat----------	---	FAVORABLE	---			
		NORMAL	---			
		UNFAVORABLE	---			
119:						
Biscaro---------	SILTY SODIC FLAT 12-16" (R021XE192CA)	FAVORABLE	1000	Nevada bluegrass		40
		NORMAL	800	basin wildrye		40
		UNFAVORABLE	600	big sagebrush		5
				black greasewood		5
				rubber rabbitbrush		5
				spiny hopsage		5
Playas----------	---	FAVORABLE	---			
		NORMAL	---			
		UNFAVORABLE	---			
120:						
Blickenstaff----	---	FAVORABLE	---			
		NORMAL	---			
		UNFAVORABLE	---			
121:						
Honeylake-------	SALINE-SODIC SUBIRRIGATED 6-16" (R023XG058CA)	FAVORABLE	1000	alkaligrass		10
		NORMAL	800	basin wildrye		5
		UNFAVORABLE	600	black greasewood		30
				bluegrass		10
				inland saltgrass		25
				rush		5
				western wheatgrass		5
122:						
Bobert----------	SALINE-SODIC LOAM 6-12" (R023XG059CA)	FAVORABLE	1100	basin big sagebrush		5
		NORMAL	900	basin wildrye		55
		UNFAVORABLE	600	black greasewood		5
				inland saltgrass		15
				rabbitbrush		10

TABLE 7.--RANGELAND PRODUCTIVITY AND CHARACTERISTIC PLANT COMMUNITIES--Continued
Susanville Area, Parts of Lassen and Plumas Counties, California: Detailed Soil Map Legend

Map symbol and soil name	Ecological site	Total production		Characteristic vegetation	Composition	
		Kind of year	Dry weight		Forest	Range
			Lb/acre		Pct	Pct
123:						
Bobert----------	SALINE-SODIC FLAT 6-9" (R023XG050CA)	FAVORABLE	500	black greasewood		60
		NORMAL	400	bottlebrush squirreltail		5
		UNFAVORABLE	300	inland saltgrass		15
				seepweed		10
				spiny hopsage		5
				western wheatgrass		5
124:						
Bonta----------	---	FAVORABLE	---	antelope bitterbrush	5	
		NORMAL	---	big sagebrush	15	
		UNFAVORABLE	---	greenleaf manzanita	5	
				other perennial grasses	5	
				western needlegrass	10	
				whitethorn ceanothus	5	
125:						
Bonta----------	---	FAVORABLE	---	antelope bitterbrush	5	
		NORMAL	---	big sagebrush	15	
		UNFAVORABLE	---	greenleaf manzanita	5	
				other perennial grasses	5	
				western needlegrass	10	
				whitethorn ceanothus	5	
126:						
Bonta----------	---	FAVORABLE	---	antelope bitterbrush	5	
		NORMAL	---	mountain big sagebrush	5	
		UNFAVORABLE	---	mountain brome	10	
				needlegrass	5	
				snowbrush ceanothus	5	
				whitethorn ceanothus	5	
127:						
Boulder Lake----	CLAY FLOODPLAIN 9-16" (R023XF092CA)	FAVORABLE	800	Nevada bluegrass		25
		NORMAL	500	beardless wildrye		10
		UNFAVORABLE	300	bottlebrush squirreltail		5
				mat muhly		5
				rush		5
				sedge		10
				silver sagebrush		35
				western wheatgrass		5
128:						
Boulder Lake----	WET CLAY BASIN 12-16" (R021XE194CA)	FAVORABLE	2000	Nevada bluegrass		10
		NORMAL	1800	beardless wildrye		5
		UNFAVORABLE	1400	clubmoss		5
				lake quillwort		5
				lesser spikemoss		5
				mat muhly		5
				rush		20
				silver sagebrush		35
				western wheatgrass		5
129:						
Brubeck----------	CLAY UPLAND 9-16" (R023XF084CA)	FAVORABLE	900	Thurber needlegrass		10
		NORMAL	700	beardless wildrye		10
		UNFAVORABLE	500	big sagebrush		5
				bottlebrush squirreltail		25
				littleleaf horsebrush		10
				rubber rabbitbrush		10
				western wheatgrass		15
130:						
Brubeck----------	CLAY UPLAND 9-16" (R023XF084CA)	FAVORABLE	900	Thurber needlegrass		10
		NORMAL	700	beardless wildrye		10
		UNFAVORABLE	500	big sagebrush		5
				bottlebrush squirreltail		25
				littleleaf horsebrush		10
				rubber rabbitbrush		10
				western wheatgrass		15
131:						
Brubeck----------	CLAY UPLAND 9-16" (R023XF084CA)	FAVORABLE	900	Thurber needlegrass		10
		NORMAL	700	beardless wildrye		10
		UNFAVORABLE	500	big sagebrush		5
				bottlebrush squirreltail		25
				littleleaf horsebrush		10
				rubber rabbitbrush		10
				western wheatgrass		15

TABLE 7.--RANGELAND PRODUCTIVITY AND CHARACTERISTIC PLANT COMMUNITIES--Continued
Susanville Area, Parts of Lassen and Plumas Counties, California: Detailed Soil Map Legend

Map symbol and soil name	Ecological site	Total production		Characteristic vegetation	Composition	
		Kind of year	Dry weight		Forest	Range
			Lb/acre		Pct	Pct
Diaz	STONY LOAM 9-12" (R023XF082CA)	FAVORABLE	1200	Thurber needlegrass		15
		NORMAL	900	antelope bitterbrush		5
		UNFAVORABLE	600	basin wildrye		5
				big sagebrush		5
				bluebunch wheatgrass		60
132:						
Brubeck	CLAY UPLAND 9-16" (R023XF084CA)	FAVORABLE	900	Thurber needlegrass		10
		NORMAL	700	beardless wildrye		10
		UNFAVORABLE	500	big sagebrush		5
				bottlebrush squirreltail		25
				littleleaf horsebrush		10
				rubber rabbitbrush		10
				western wheatgrass		15
Loomis	VERY SHALLOW STONY LOAM 9-12" (R023XF087CA)	FAVORABLE	600	Sandberg bluegrass		5
		NORMAL	400	Thurber needlegrass		20
		UNFAVORABLE	200	black sagebrush		40
				bluebunch wheatgrass		35
				bottlebrush squirreltail		5
133:						
Buckbay	LOAM 12-16" (R021XE176CA)	FAVORABLE	2200	Idaho fescue		30
		NORMAL	1800	antelope bitterbrush		5
		UNFAVORABLE	1400	bluebunch wheatgrass		30
				mountain big sagebrush		5
				needlegrass		25
Orhood	STONY LOAM 12-16" (R021XE174CA)	FAVORABLE	1800	Idaho fescue		25
		NORMAL	1400	Lemmon needlegrass		5
		UNFAVORABLE	1000	Sandberg bluegrass		5
				Thurber needlegrass		10
				antelope bitterbrush		5
				arrowleaf balsamroot		5
				bluebunch wheatgrass		30
				mountain big sagebrush		5
				rabbitbrush		5
Devada	SHALLOW STONY LOAM 12-16" (R021XE173CA)	FAVORABLE	1000	Idaho fescue		5
		NORMAL	700	Thurber needlegrass		15
		UNFAVORABLE	500	antelope bitterbrush		5
				bluebunch wheatgrass		40
				bluegrass		10
				low sagebrush		15
134:						
Buckbay	LOAM 12-16" (R021XE176CA)	FAVORABLE	2200	Idaho fescue		30
		NORMAL	1800	antelope bitterbrush		5
		UNFAVORABLE	1400	bluebunch wheatgrass		30
				mountain big sagebrush		5
				needlegrass		25
Orhood	STONY LOAM 12-16" (R021XE174CA)	FAVORABLE	1800	Idaho fescue		25
		NORMAL	1400	Lemmon needlegrass		5
		UNFAVORABLE	1000	Sandberg bluegrass		5
				Thurber needlegrass		10
				antelope bitterbrush		5
				arrowleaf balsamroot		5
				bluebunch wheatgrass		30
				mountain big sagebrush		5
				rabbitbrush		5
Fredonyer	VERY STONY LOAM 12-16" (R021XE178CA)	FAVORABLE	1500	Idaho fescue		45
		NORMAL	1000	curl-leaf mountain mahogany		30
		UNFAVORABLE	700	mountain big sagebrush		5

TABLE 7.--RANGELAND PRODUCTIVITY AND CHARACTERISTIC PLANT COMMUNITIES--Continued
Susanville Area, Parts of Lassen and Plumas Counties, California: Detailed Soil Map Legend

Map symbol and soil name	Ecological site	Total production		Characteristic vegetation	Composition	
		Kind of year	Dry weight		Forest	Range
			Lb/acre		Pct	Pct
135:						
Bucklake--------	STONY LOAM 9-12" (R023XF082CA)	FAVORABLE	1200	Thurber needlegrass		15
		NORMAL	900	antelope bitterbrush		5
		UNFAVORABLE	600	basin wildrye		5
				bluebunch wheatgrass		60
				mountain big sagebrush		5
				rabbitbrush		5
Corral----------	STONY LOAM 9-12" (R023XF082CA)	FAVORABLE	1200	Thurber needlegrass		15
		NORMAL	900	basin wildrye		5
		UNFAVORABLE	600	big sagebrush		5
				bluebunch wheatgrass		60
Rubble land-----	---	FAVORABLE	---			
		NORMAL	---			
		UNFAVORABLE	---			
136:						
Bunanch---------	---	FAVORABLE	---	Idaho fescue	5	
		NORMAL	---	antelope bitterbrush	10	
		UNFAVORABLE	---	mountain big sagebrush	5	
137:						
Cagwin----------	---	FAVORABLE	---	greenleaf manzanita	5	
		NORMAL	---	pinemat manzanita	5	
		UNFAVORABLE	---	whitethorn ceanothus	5	
138:						
Cagwin----------	---	FAVORABLE	---	greenleaf manzanita	5	
		NORMAL	---	pinemat manzanita	5	
		UNFAVORABLE	---	whitethorn ceanothus	5	
139:						
Calnat----------	SODIC LOAM 6-9" (R023XG048CA)	FAVORABLE	1100	basin big sagebrush		10
		NORMAL	900	basin wildrye		65
		UNFAVORABLE	600	black greasewood		10
				bottlebrush squirreltail		5
140:						
Calneva---------	SODIC FLAT 6-9" (R023XG046CA)	FAVORABLE	700	black greasewood		10
		NORMAL	500	bottlebrush squirreltail		10
		UNFAVORABLE	300	bud sagebrush		10
				shadscale		60
141:						
Calneva---------	SODIC FLAT 6-9" (R023XG046CA)	FAVORABLE	700	black greasewood		10
		NORMAL	500	bottlebrush squirreltail		10
		UNFAVORABLE	300	bud sagebrush		10
				shadscale		60
Playas----------	---	FAVORABLE	---			
		NORMAL	---			
		UNFAVORABLE	---			
142:						
Calpine---------	GRANITIC FAN 12-16" (R021XE181CA)	FAVORABLE	2500	Indian ricegrass		15
		NORMAL	1800	antelope bitterbrush		15
		UNFAVORABLE	1200	beardless wildrye		10
				mountain big sagebrush		5
				needleandthread		20
				western needlegrass		20
143:						
Calpine---------	GRANITIC FAN 12-16" (R021XE181CA)	FAVORABLE	2500	Indian ricegrass		15
		NORMAL	1800	antelope bitterbrush		15
		UNFAVORABLE	1200	beardless wildrye		10
				mountain big sagebrush		5
				needleandthread		20
				western needlegrass		20
144:						
Calpine---------	GRANITIC FAN 12-16" (R021XE181CA)	FAVORABLE	2500	Indian ricegrass		15
		NORMAL	1800	antelope bitterbrush		15
		UNFAVORABLE	1200	beardless wildrye		10
				mountain big sagebrush		5
				needleandthread		20
				western needlegrass		20

TABLE 7.--RANGELAND PRODUCTIVITY AND CHARACTERISTIC PLANT COMMUNITIES--Continued
Susanville Area, Parts of Lassen and Plumas Counties, California: Detailed Soil Map Legend

Map symbol and soil name	Ecological site	Total production		Characteristic vegetation	Composition	
		Kind of year	Dry weight		Forest	Range
			Lb/acre		Pct	Pct
145:						
Calpine---------	GRANITIC FAN 12-16" (R021XE181CA)	FAVORABLE	2500	Indian ricegrass		15
		NORMAL	1800	antelope bitterbrush		15
		UNFAVORABLE	1200	beardless wildrye		10
				mountain big sagebrush		5
				needleandthread		20
				western needlegrass		20
146:						
Indiano---------	LOAM 12-16" (R021XE176CA)	FAVORABLE	900	Thurber needlegrass		15
		NORMAL	700	antelope bitterbrush		5
		UNFAVORABLE	500	basin wildrye		5
				big sagebrush		15
				bluebunch wheatgrass		50
				green ephedra		5
Chalco----------	SHALLOW LOAM 12-16" (R021XE184CA)	FAVORABLE	400	Sandberg bluegrass		10
		NORMAL	300	Thurber needlegrass		25
		UNFAVORABLE	200	bottlebrush squirreltail		15
				littleleaf horsebrush		5
				low sagebrush		20
				other perennial grasses		5
147:						
Capona----------	LOAM 12-16" (R021XE176CA)	FAVORABLE	2200	Idaho fescue		30
		NORMAL	1800	antelope bitterbrush		6
		UNFAVORABLE	1400	big sagebrush		5
				bluebunch wheatgrass		30
				needlegrass		25
Rock outcrop----	---	FAVORABLE	---			
		NORMAL	---			
		UNFAVORABLE	---			
148:						
Cewat----------	DROUGHTY LOAM 6-9" (R023XG056CA)	FAVORABLE	600	Indian ricegrass		10
		NORMAL	450	Thurber needlegrass		10
		UNFAVORABLE	300	Wyoming big sagebrush		25
				bottlebrush squirreltail		10
				littleleaf horsebrush		5
				spiny hopsage		20
149:						
Cewat----------	STONY LOAM 6-9" (R023XG053CA)	FAVORABLE	800	Indian ricegrass		5
		NORMAL	600	Thurber needlegrass		20
		UNFAVORABLE	400	Wyoming big sagebrush		15
				bluebunch wheatgrass		5
				bottlebrush squirreltail		5
				desert needlegrass		20
				green ephedra		5
				littleleaf horsebrush		10
McConnel--------	SANDY TERRACE 6-9" (R023XG054CA)	FAVORABLE	1100	Indian ricegrass		25
		NORMAL	700	Sandberg bluegrass		5
		UNFAVORABLE	500	Wyoming big sagebrush		30
				bottlebrush squirreltail		10
				globemallow		5
				needleandthread		15
Toulon----------	SODIC GRAVELLY SAND 6-9" (R023XG057CA)	FAVORABLE	900	Indian ricegrass		15
		NORMAL	700	bottlebrush squirreltail		5
		UNFAVORABLE	500	shadscale		65
				spiny hopsage		10
150:						
Chappuis--------	SODIC LOAM 6-9" (R023XG048CA)	FAVORABLE	1100	basin big sagebrush		10
		NORMAL	900	basin wildrye		55
		UNFAVORABLE	600	black greasewood		10
				bottlebrush squirreltail		5

TABLE 7.--RANGELAND PRODUCTIVITY AND CHARACTERISTIC PLANT COMMUNITIES--Continued
Susanville Area, Parts of Lassen and Plumas Counties, California: Detailed Soil Map Legend

Map symbol and soil name	Ecological site	Total production		Characteristic vegetation	Composition	
		Kind of year	Dry weight		Forest	Range
			Lb/acre		Pct	Pct
151:						
Chappuis--------	SALINE-SODIC LOAM 6-12" (R023XG059CA)	FAVORABLE	1100	basin big sagebrush		5
		NORMAL	900	basin wildrye		55
		UNFAVORABLE	600	black greasewood		5
				inland saltgrass		15
				rabbitbrush		10
152:						
Chimney---------	---	FAVORABLE	---	Columbia needlegrass	5	
		NORMAL	---	Idaho fescue	5	
		UNFAVORABLE	---	antelope bitterbrush	5	
				bottlebrush squirreltail	5	
				mountain big sagebrush	5	
				squawcarpet	5	
153:						
Chimney---------	---	FAVORABLE	---	Columbia needlegrass	5	
		NORMAL	---	Idaho fescue	5	
		UNFAVORABLE	---	antelope bitterbrush	5	
				bottlebrush squirreltail	5	
				mountain big sagebrush	5	
				squawcarpet	5	
154:						
Chimney---------	---	FAVORABLE	---	Columbia needlegrass	5	
		NORMAL	---	Idaho fescue	5	
		UNFAVORABLE	---	antelope bitterbrush	5	
				bottlebrush squirreltail	5	
				mountain big sagebrush	5	
				squawcarpet	5	
Janile----------	---	FAVORABLE	---	Columbia needlegrass	5	
		NORMAL	---	Idaho fescue	30	
		UNFAVORABLE	---	antelope bitterbrush	5	
				bottlebrush squirreltail	5	
				mountain big sagebrush	35	
Waterman--------	---	FAVORABLE	---	Columbia needlegrass	5	
		NORMAL	---	Idaho fescue	30	
		UNFAVORABLE	---	antelope bitterbrush	5	
				bottlebrush squirreltail	5	
				mountain big sagebrush	35	
				squawcarpet	5	
155:						
Chimney---------	---	FAVORABLE	---	Columbia needlegrass	5	
		NORMAL	---	Idaho fescue	5	
		UNFAVORABLE	---	antelope bitterbrush	5	
				bottlebrush squirreltail	5	
				mountain big sagebrush	5	
				squawcarpet	5	
Janile----------	---	FAVORABLE	---	Columbia needlegrass	5	
		NORMAL	---	Idaho fescue	30	
		UNFAVORABLE	---	antelope bitterbrush	5	
				bottlebrush squirreltail	5	
				mountain big sagebrush	35	
Waterman--------	---	FAVORABLE	---	Columbia needlegrass	5	
		NORMAL	---	Idaho fescue	30	
		UNFAVORABLE	---	antelope bitterbrush	5	
				bottlebrush squirreltail	5	
				mountain big sagebrush	35	
				squawcarpet	5	
156:						
Chimney---------	---	FAVORABLE	---	Columbia needlegrass	5	
		NORMAL	---	Idaho fescue	5	
		UNFAVORABLE	---	antelope bitterbrush	5	
				bottlebrush squirreltail	5	
				mountain big sagebrush	5	
				squawcarpet	5	
Waterman--------	---	FAVORABLE	---	Columbia needlegrass	5	
		NORMAL	---	Idaho fescue	30	
		UNFAVORABLE	---	antelope bitterbrush	5	
				bottlebrush squirreltail	5	
				mountain big sagebrush	35	
				squawcarpet	5	

TABLE 7.--RANGELAND PRODUCTIVITY AND CHARACTERISTIC PLANT COMMUNITIES--Continued
Susanville Area, Parts of Lassen and Plumas Counties, California: Detailed Soil Map Legend

Map symbol and soil name	Ecological site	Total production		Characteristic vegetation	Composition	
		Kind of year	Dry weight		Forest	Range
			Lb/acre		Pct	Pct
157:						
Chirpchatter----	---	FAVORABLE	---	greenleaf manzanita	5	
		NORMAL	---	needlegrass	5	
		UNFAVORABLE	---	other perennial grasses	5	
				whitethorn ceanothus	5	
158:						
Cleghorn--------	SANDY LOAM TERRACE 12-16" (R021XE195CA)	FAVORABLE	1800	Thurber needlegrass		15
		NORMAL	1500	basin big sagebrush		5
		UNFAVORABLE	1000	basin wildrye		30
				beardless wildrye		5
				needleandthread		15
159:						
Cleghorn--------	LOAMY UPLAND 9-12" (R023XF091CA)	FAVORABLE	1200	Thurber needlegrass		15
		NORMAL	900	Wyoming big sagebrush		10
		UNFAVORABLE	600	basin wildrye		30
				needleandthread		15
160:						
Cochran---------	COOL LOAM 12-16" (R021XE044CA)	FAVORABLE	2200	Idaho fescue		50
		NORMAL	1800	antelope bitterbrush		5
		UNFAVORABLE	1400	bluegrass		15
				mountain big sagebrush		5
				needlegrass		10
161:						
Cochran---------	STONY LOAM 12-16" (R021XE174CA)	FAVORABLE	1800	Idaho fescue		25
		NORMAL	1400	antelope bitterbrush		10
		UNFAVORABLE	1000	bluebunch wheatgrass		30
				mountain big sagebrush		5
				needlegrass		25
162:						
Corral----------	SANDY LOAM TERRACE 12-16" (R021XE195CA)	FAVORABLE	1800	basin wildrye		40
		NORMAL	1500	big sagebrush		10
		UNFAVORABLE	1000	needleandthread		20
163:						
Corral----------	SANDY LOAM TERRACE 12-16" (R021XE195CA)	FAVORABLE	1800	basin wildrye		40
		NORMAL	1500	big sagebrush		10
		UNFAVORABLE	1000	needleandthread		20
164:						
Corral----------	LOAMY UPLAND 9-12" (R023XF091CA)	FAVORABLE	1200	Thurber needlegrass		15
		NORMAL	900	basin wildrye		30
		UNFAVORABLE	600	big sagebrush		10
				needleandthread		15
165:						
Corral----------	LOAMY UPLAND 9-12" (R023XF091CA)	FAVORABLE	1200	Thurber needlegrass		15
		NORMAL	900	basin wildrye		30
		UNFAVORABLE	600	big sagebrush		10
				needleandthread		15
166:						
Corral----------	STONY LOAM 9-12" (R023XF082CA)	FAVORABLE	1200	Thurber needlegrass		15
		NORMAL	900	basin wildrye		5
		UNFAVORABLE	600	big sagebrush		5
				bluebunch wheatgrass		60
167:						
Corral----------	SANDY LOAM TERRACE 12-16" (R021XE195CA)	FAVORABLE	1800	basin wildrye		40
		NORMAL	1500	big sagebrush		10
		UNFAVORABLE	1000	needleandthread		20
Chalco----------	SHALLOW LOAM 12-16" (R021XE184CA)	FAVORABLE	400	Sandberg bluegrass		10
		NORMAL	300	Thurber needlegrass		25
		UNFAVORABLE	200	bottlebrush squirreltail		15
				littleleaf horsebrush		5
				low sagebrush		20
				other perennial grasses		5
168:						
Corral----------	LOAMY UPLAND 9-12" (R023XF091CA)	FAVORABLE	1200	Thurber needlegrass		15
		NORMAL	900	basin wildrye		30
		UNFAVORABLE	600	big sagebrush		10
				needleandthread		15

TABLE 7.--RANGELAND PRODUCTIVITY AND CHARACTERISTIC PLANT COMMUNITIES--Continued
Susanville Area, Parts of Lassen and Plumas Counties, California: Detailed Soil Map Legend

Map symbol and soil name	Ecological site	Total production		Characteristic vegetation	Composition	
		Kind of year	Dry weight		Forest	Range
			Lb/acre		Pct	Pct
Glenbrook-------	SHALLOW GRANITIC UPLAND 9-12" (R026XF053CA)	FAVORABLE	900	Thurber needlegrass		10
		NORMAL	600	antelope bitterbrush		15
		UNFAVORABLE	400	big sagebrush		10
				bottlebrush squirreltail		10
				desert needlegrass		30
				green ephedra		5
				other perennial forbs		5
				other perennial grasses		5
				other shrubs		5
				yellow rabbitbrush		5
169:						
Devada----------	SHALLOW STONY LOAM 9-12" (R023XF081CA)	FAVORABLE	900	Thurber needlegrass		15
		NORMAL	700	bluebunch wheatgrass		30
		UNFAVORABLE	500	bluegrass		10
				low sagebrush		20
Brubeck---------	CLAY UPLAND 9-16" (R023XF084CA)	FAVORABLE	900	Thurber needlegrass		10
		NORMAL	700	beardless wildrye		10
		UNFAVORABLE	500	big sagebrush		5
				bottlebrush squirreltail		25
				littleleaf horsebrush		10
				rubber rabbitbrush		10
				western wheatgrass		15
170:						
Devada----------	SHALLOW STONY LOAM 9-12" (R023XF081CA)	FAVORABLE	900	Thurber needlegrass		15
		NORMAL	700	bluebunch wheatgrass		30
		UNFAVORABLE	500	bluegrass		10
				low sagebrush		20
Bucklake--------	STONY LOAM 9-12" (R023XF082CA)	FAVORABLE	1200	Thurber needlegrass		15
		NORMAL	900	antelope bitterbrush		5
		UNFAVORABLE	600	basin wildrye		5
				bluebunch wheatgrass		60
				mountain big sagebrush		5
				rabbitbrush		5
171:						
Devada----------	SHALLOW STONY LOAM 9-12" (R023XF081CA)	FAVORABLE	900	Thurber needlegrass		15
		NORMAL	700	bluebunch wheatgrass		30
		UNFAVORABLE	500	bluegrass		10
				low sagebrush		20
Fivesprings-----	STONY LOAM 9-12" (R023XF082CA)	FAVORABLE	1200	Thurber needlegrass		15
		NORMAL	900	antelope bitterbrush		5
		UNFAVORABLE	600	basin wildrye		5
				bluebunch wheatgrass		60
				mountain big sagebrush		5
Rubble land-----	---	FAVORABLE	---			
		NORMAL	---			
		UNFAVORABLE	---			
172:						
Devada----------	SHALLOW STONY LOAM 12-16" (R021XE173CA)	FAVORABLE	1000	Idaho fescue		5
		NORMAL	700	Thurber needlegrass		15
		UNFAVORABLE	500	antelope bitterbrush		5
				bluebunch wheatgrass		40
				bluegrass		10
				low sagebrush		15
Gavel-----------	---	FAVORABLE	---	Columbia needlegrass	5	
		NORMAL	---	Idaho fescue	30	
		UNFAVORABLE	---	bottlebrush squirreltail	5	
				curl-leaf mountain mahogany	5	
				mountain big sagebrush	35	
				sedge	5	

TABLE 7.--RANGELAND PRODUCTIVITY AND CHARACTERISTIC PLANT COMMUNITIES--Continued
Susanville Area, Parts of Lassen and Plumas Counties, California: Detailed Soil Map Legend

Map symbol and soil name	Ecological site	Total production		Characteristic vegetation	Composition	
		Kind of year	Dry weight		Forest	Range
			Lb/acre		Pct	Pct
173:						
Devada	SHALLOW STONY LOAM 12-16" (R021XE173CA)	FAVORABLE	1000	Idaho fescue		5
		NORMAL	700	Thurber needlegrass		15
		UNFAVORABLE	500	antelope bitterbrush		5
				bluebunch wheatgrass		40
				bluegrass		10
				low sagebrush		15
Gavel	---	FAVORABLE	---	Columbia needlegrass	5	
		NORMAL	---	Idaho fescue	30	
		UNFAVORABLE	---	bottlebrush squirreltail	5	
				curl-leaf mountain mahogany	5	
				mountain big sagebrush	35	
				sedge	5	
Whitinger	STONY LOAM 12-16" (R021XE174CA)	FAVORABLE	1800	Idaho fescue		25
		NORMAL	1400	antelope bitterbrush		10
		UNFAVORABLE	1000	bluebunch wheatgrass		30
				mountain big sagebrush		15
				needlegrass		25
174:						
Devada	SHALLOW STONY LOAM 9-12" (R023XF081CA)	FAVORABLE	900	Thurber needlegrass		15
		NORMAL	700	bluebunch wheatgrass		30
		UNFAVORABLE	500	bluegrass		10
				low sagebrush		20
Glean	LOAM 12-16" (R021XE176CA)	FAVORABLE	2000	Idaho fescue		30
		NORMAL	1800	antelope bitterbrush		5
		UNFAVORABLE	1400	bluebunch wheatgrass		30
				mountain big sagebrush		5
				needlegrass		25
Sumine	STONY LOAM 12-16" (R021XE174CA)	FAVORABLE	1000	Idaho fescue		5
		NORMAL	800	Thurber needlegrass		5
		UNFAVORABLE	600	antelope bitterbrush		10
				basin wildrye		5
				bluebunch wheatgrass		30
				mountain big sagebrush		10
175:						
Devada	SHALLOW STONY LOAM 9-12" (R023XF081CA)	FAVORABLE	900	Thurber needlegrass		15
		NORMAL	700	bluebunch wheatgrass		30
		UNFAVORABLE	500	bluegrass		10
				low sagebrush		20
Longcreek	STONY LOAM 9-12" (R023XF082CA)	FAVORABLE	1200	Thurber needlegrass		15
		NORMAL	900	antelope bitterbrush		5
		UNFAVORABLE	600	basin wildrye		5
				bluebunch wheatgrass		60
				mountain big sagebrush		5
176:						
Devada	SHALLOW STONY LOAM 12-16" (R021XE173CA)	FAVORABLE	1000	Idaho fescue		5
		NORMAL	700	Thurber needlegrass		15
		UNFAVORABLE	500	antelope bitterbrush		5
				bluebunch wheatgrass		40
				bluegrass		10
				low sagebrush		15
Orhood	STONY LOAM 12-16" (R021XE174CA)	FAVORABLE	1800	Idaho fescue		25
		NORMAL	1400	Lemmon needlegrass		5
		UNFAVORABLE	1000	Sandberg bluegrass		5
				Thurber needlegrass		10
				antelope bitterbrush		5
				arrowleaf balsamroot		5
				bluebunch wheatgrass		30
				mountain big sagebrush		5
				rabbitbrush		5
Hart Camp	STONY LOAM 12-16" (R021XE174CA)	FAVORABLE	1300	Canby bluegrass		5
		NORMAL	1200	Idaho fescue		5
		UNFAVORABLE	900	Thurber needlegrass		5
				antelope bitterbrush		20
				basin wildrye		5
				bluebunch wheatgrass		25
				mountain big sagebrush		15

TABLE 7.--RANGELAND PRODUCTIVITY AND CHARACTERISTIC PLANT COMMUNITIES--Continued
Susanville Area, Parts of Lassen and Plumas Counties, California: Detailed Soil Map Legend

Map symbol and soil name	Ecological site	Total production		Characteristic vegetation	Composition	
		Kind of year	Dry weight		Forest	Range
			Lb/acre		Pct	Pct
177:						
Devada----------	SHALLOW STONY LOAM 12-16" (R021XE173CA)	FAVORABLE	1000	Idaho fescue		5
		NORMAL	700	Thurber needlegrass		15
		UNFAVORABLE	500	antelope bitterbrush		5
				bluebunch wheatgrass		40
				bluegrass		10
				low sagebrush		15
Papeek----------	---	FAVORABLE	---	Idaho fescue	5	
		NORMAL	---	antelope bitterbrush	5	
		UNFAVORABLE	---	mountain big sagebrush	5	
Gavel----------	---	FAVORABLE	---	Columbia needlegrass	5	
		NORMAL	---	Idaho fescue	30	
		UNFAVORABLE	---	bottlebrush squirreltail	5	
				curl-leaf mountain mahogany	5	
				mountain big sagebrush	35	
				sedge	5	
178:						
Devada----------	SHALLOW STONY LOAM 12-16" (R021XE173CA)	FAVORABLE	1000	Idaho fescue		5
		NORMAL	700	Thurber needlegrass		15
		UNFAVORABLE	500	antelope bitterbrush		5
				bluebunch wheatgrass		40
				bluegrass		10
				low sagebrush		15
Petescreek------	COOL LOAM 12-16" (R021XE044CA)	FAVORABLE	2200	Idaho fescue		50
		NORMAL	1800	antelope bitterbrush		5
		UNFAVORABLE	1400	bluegrass		15
				mountain big sagebrush		5
				needlegrass		10
Fiddler----------	STONY LOAM 12-16" (R021XE174CA)	FAVORABLE	1000	Idaho fescue		15
		NORMAL	800	Nevada bluegrass		10
		UNFAVORABLE	600	Sandberg bluegrass		5
				Thurber needlegrass		5
				antelope bitterbrush		5
				arrowleaf balsamroot		5
				bluebunch wheatgrass		10
				bottlebrush squirreltail		5
				mountain big sagebrush		10
				rabbitbrush		5
179:						
Devada----------	SHALLOW STONY LOAM 9-12" (R023XF081CA)	FAVORABLE	900	Thurber needlegrass		15
		NORMAL	700	bluebunch wheatgrass		30
		UNFAVORABLE	500	bluegrass		10
				low sagebrush		20
Rock outcrop----	---	FAVORABLE	---			
		NORMAL	---			
		UNFAVORABLE	---			
180:						
Dotta----------	COOL LOAM 12-16" (R021XE044CA)	FAVORABLE	2200	Idaho fescue		50
		NORMAL	1800	antelope bitterbrush		5
		UNFAVORABLE	1400	bluegrass		15
				mountain big sagebrush		5
				needlegrass		10
181:						
Dotta----------	COOL LOAM 12-16" (R021XE044CA)	FAVORABLE	2200	Idaho fescue		50
		NORMAL	1800	antelope bitterbrush		5
		UNFAVORABLE	1400	bluegrass		15
				mountain big sagebrush		5
				needlegrass		10
182:						
Dryvalley-------	SILTY FLAT 12-16" (R021XE177CA)	FAVORABLE	1200	Nevada bluegrass		70
		NORMAL	800	big sagebrush		10
		UNFAVORABLE	500	littleleaf horsebrush		5
				rubber rabbitbrush		5

TABLE 7.--RANGELAND PRODUCTIVITY AND CHARACTERISTIC PLANT COMMUNITIES--Continued
Susanville Area, Parts of Lassen and Plumas Counties, California: Detailed Soil Map Legend

Map symbol and soil name	Ecological site	Total production		Characteristic vegetation	Composition	
		Kind of year	Dry weight		Forest	Range
			Lb/acre		Pct	Pct
183:						
Dryvalley-------	SILTY FLAT 12-16" (R021XE177CA)	FAVORABLE	1200	Nevada bluegrass		70
		NORMAL	800	basin big sagebrush		10
		UNFAVORABLE	500	littleleaf horsebrush		5
				rubber rabbitbrush		5
Playas----------	---	FAVORABLE	---			
		NORMAL	---			
		UNFAVORABLE	---			
184:						
Eaglelake-------	---	FAVORABLE	---	greenleaf manzanita	5	
		NORMAL	---	needlegrass	5	
		UNFAVORABLE	---	other perennial grasses	5	
				snowbrush ceanothus	5	
				whitethorn ceanothus	5	
185:						
Eaglelake-------	---	FAVORABLE	---	greenleaf manzanita	5	
		NORMAL	---	needlegrass	5	
		UNFAVORABLE	---	other perennial grasses	5	
				snowbrush ceanothus	5	
				whitethorn ceanothus	5	
Outland---------	---	FAVORABLE	---	Sierra chinkapin	5	
		NORMAL	---	greenleaf manzanita	5	
		UNFAVORABLE	---	sharpleaf snowberry	5	
				snowberry	5	
				snowbrush ceanothus	5	
				squawcarpet	5	
				whitethorn ceanothus	5	
Weste-----------	---	FAVORABLE	---	greenleaf manzanita	5	
		NORMAL	---	squawcarpet	5	
		UNFAVORABLE	---	whitethorn ceanothus	5	
186:						
Eaglelake-------	---	FAVORABLE	---	greenleaf manzanita	5	
		NORMAL	---	needlegrass	5	
		UNFAVORABLE	---	other perennial grasses	5	
				snowbrush ceanothus	5	
				whitethorn ceanothus	5	
Outland---------	---	FAVORABLE	---	Sierra chinkapin	5	
		NORMAL	---	greenleaf manzanita	5	
		UNFAVORABLE	---	sharpleaf snowberry	5	
				snowberry	5	
				snowbrush ceanothus	5	
				squawcarpet	5	
				whitethorn ceanothus	5	
Weste-----------	---	FAVORABLE	---	greenleaf manzanita	5	
		NORMAL	---	squawcarpet	5	
		UNFAVORABLE	---	whitethorn ceanothus	5	
187:						
Eaglelake-------	---	FAVORABLE	---	greenleaf manzanita	5	
		NORMAL	---	needlegrass	5	
		UNFAVORABLE	---	other perennial grasses	5	
				snowbrush ceanothus	5	
				whitethorn ceanothus	5	
Outland---------	---	FAVORABLE	---	Sierra chinkapin	5	
		NORMAL	---	antelope bitterbrush	5	
		UNFAVORABLE	---	greenleaf manzanita	5	
				sharpleaf snowberry	5	
				snowberry	5	
				snowbrush ceanothus	5	
				squawcarpet	5	
				whitethorn ceanothus	5	
Weste-----------	---	FAVORABLE	---	greenleaf manzanita	5	
		NORMAL	---	squawcarpet	5	
		UNFAVORABLE	---	whitethorn ceanothus	5	

TABLE 7.--RANGELAND PRODUCTIVITY AND CHARACTERISTIC PLANT COMMUNITIES--Continued
Susanville Area, Parts of Lassen and Plumas Counties, California: Detailed Soil Map Legend

Map symbol and soil name	Ecological site	Total production		Characteristic vegetation	Composition	
		Kind of year	Dry weight		Forest	Range
			Lb/acre		Pct	Pct
188:						
Eaglelake	---	FAVORABLE	---	greenleaf manzanita	5	
		NORMAL	---	needlegrass	5	
		UNFAVORABLE	---	other perennial grasses	5	
				snowbrush ceanothus	5	
				whitethorn ceanothus	5	
Outland	---	FAVORABLE	---	Sierra chinkapin	5	
		NORMAL	---	antelope bitterbrush	5	
		UNFAVORABLE	---	greenleaf manzanita	5	
				sharpleaf snowberry	5	
				snowberry	5	
				snowbrush ceanothus	5	
				squawcarpet	5	
				whitethorn ceanothus	5	
Weste	---	FAVORABLE	---	greenleaf manzanita	5	
		NORMAL	---	squawcarpet	5	
		UNFAVORABLE	---	whitethorn ceanothus	5	
189:						
Easte	---	FAVORABLE	---	Idaho fescue	5	
		NORMAL	---	antelope bitterbrush	5	
		UNFAVORABLE	---	mountain big sagebrush	5	
				other perennial grasses	5	
Fredonyer	VERY STONY LOAM 12-16" (R021XE178CA)	FAVORABLE	1500	Idaho fescue		45
		NORMAL	1000	curl-leaf mountain mahogany		30
		UNFAVORABLE	700	mountain big sagebrush		5
190:						
Easte	---	FAVORABLE	---	greenleaf manzanita	5	
		NORMAL	---	needlegrass	5	
		UNFAVORABLE	---	other perennial grasses	5	
				snowbrush ceanothus	5	
				whitethorn ceanothus	5	
Roop	---	FAVORABLE	---	greenleaf manzanita	5	
		NORMAL	---	needlegrass	5	
		UNFAVORABLE	---	other perennial grasses	5	
				snowbrush ceanothus	5	
				whitethorn ceanothus	5	
191:						
Easte	---	FAVORABLE	---	greenleaf manzanita	5	
		NORMAL	---	needlegrass	5	
		UNFAVORABLE	---	other perennial grasses	5	
				snowbrush ceanothus	5	
				whitethorn ceanothus	5	
Roop	---	FAVORABLE	---	greenleaf manzanita	5	
		NORMAL	---	needlegrass	5	
		UNFAVORABLE	---	other perennial grasses	5	
				snowbrush ceanothus	5	
				whitethorn ceanothus	5	
192:						
Epot	SODIC FLAT 6-9" (R023XG046CA)	FAVORABLE	700	black greasewood		15
		NORMAL	500	bottlebrush squirreltail		10
		UNFAVORABLE	300	bud sagebrush		10
				shadscale		60
Playas	---	FAVORABLE	---			
		NORMAL	---			
		UNFAVORABLE	---			
193:						
Epot	SODIC FLAT 6-9" (R023XG046CA)	FAVORABLE	700	black greasewood		15
		NORMAL	500	bottlebrush squirreltail		10
		UNFAVORABLE	300	bud sagebrush		10
				shadscale		60
Ragtown	SODIC TERRACE 6-9" (R023XG047CA)	FAVORABLE	900	basin wildrye		5
		NORMAL	700	black greasewood		50
		UNFAVORABLE	400	bottlebrush squirreltail		5
				shadscale		15
				spiny hopsage		15
Playas	---	FAVORABLE	---			
		NORMAL	---			
		UNFAVORABLE	---			

TABLE 7.--RANGELAND PRODUCTIVITY AND CHARACTERISTIC PLANT COMMUNITIES--Continued
Susanville Area, Parts of Lassen and Plumas Counties, California: Detailed Soil Map Legend

Map symbol and soil name	Ecological site	Total production		Characteristic vegetation	Composition	
		Kind of year	Dry weight		Forest	Range
			Lb/acre		Pct	Pct
194:						
Fiddler---------	STONY LOAM 12-16" (R021XE174CA)	FAVORABLE	1000	Idaho fescue		15
		NORMAL	800	Nevada bluegrass		10
		UNFAVORABLE	600	Sandberg bluegrass		5
				Thurber needlegrass		5
				antelope bitterbrush		5
				arrowleaf balsamroot		5
				bluebunch wheatgrass		10
				bottlebrush squirreltail		5
				mountain big sagebrush		10
				rabbitbrush		5
Gavel-----------	---	FAVORABLE	---	Columbia needlegrass	5	
		NORMAL	---	Idaho fescue	30	
		UNFAVORABLE	---	bottlebrush squirreltail	5	
				curl-leaf mountain mahogany	5	
				mountain big sagebrush	35	
				sedge	5	
Rubble land-----	---	FAVORABLE	---			
		NORMAL	---			
		UNFAVORABLE	---			
195:						
Fiddler---------	STONY LOAM 12-16" (R021XE174CA)	FAVORABLE	1000	Idaho fescue		15
		NORMAL	800	Nevada bluegrass		10
		UNFAVORABLE	600	Sandberg bluegrass		5
				Thurber needlegrass		5
				antelope bitterbrush		5
				arrowleaf balsamroot		5
				bluebunch wheatgrass		10
				bottlebrush squirreltail		5
				mountain big sagebrush		10
				rabbitbrush		5
Gavel-----------	---	FAVORABLE	---	Columbia needlegrass	5	
		NORMAL	---	Idaho fescue	30	
		UNFAVORABLE	---	bottlebrush squirreltail	5	
				curl-leaf mountain mahogany	5	
				mountain big sagebrush	35	
				sedge	5	
Rubble land-----	---	FAVORABLE	---			
		NORMAL	---			
		UNFAVORABLE	---			
196:						
Fiddler---------	STONY LOAM 12-16" (R021XE174CA)	FAVORABLE	1000	Idaho fescue		15
		NORMAL	800	Nevada bluegrass		10
		UNFAVORABLE	600	Sandberg bluegrass		5
				Thurber needlegrass		5
				antelope bitterbrush		5
				arrowleaf balsamroot		5
				bluebunch wheatgrass		10
				bottlebrush squirreltail		5
				mountain big sagebrush		10
				rabbitbrush		5
Madeline--------	STONY LOAM 12-16" (R021XE174CA)	FAVORABLE	1800	Idaho fescue		25
		NORMAL	1400	Thurber needlegrass		25
		UNFAVORABLE	1000	antelope bitterbrush		10
				bluebunch wheatgrass		30
				mountain big sagebrush		5

TABLE 7.--RANGELAND PRODUCTIVITY AND CHARACTERISTIC PLANT COMMUNITIES--Continued
Susanville Area, Parts of Lassen and Plumas Counties, California: Detailed Soil Map Legend

Map symbol and soil name	Ecological site	Total production		Characteristic vegetation	Composition	
		Kind of year	Dry weight		Forest	Range
			Lb/acre		Pct	Pct
197:						
Fiddler---------	STONY LOAM 12-16" (R021XE174CA)	FAVORABLE	1000	Idaho fescue		15
		NORMAL	800	Nevada bluegrass		10
		UNFAVORABLE	600	Sandberg bluegrass		5
				Thurber needlegrass		5
				antelope bitterbrush		5
				arrowleaf balsamroot		5
				bluebunch wheatgrass		10
				bottlebrush squirreltail		5
				mountain big sagebrush		10
				rabbitbrush		5
Orhood----------	STONY LOAM 12-16" (R021XE174CA)	FAVORABLE	1800	Idaho fescue		25
		NORMAL	1400	Lemmon needlegrass		5
		UNFAVORABLE	1000	Sandberg bluegrass		5
				Thurber needlegrass		10
				antelope bitterbrush		5
				arrowleaf balsamroot		5
				bluebunch wheatgrass		30
				mountain big sagebrush		5
				rabbitbrush		5
Petescreek------	COOL LOAM 12-16" (R021XE044CA)	FAVORABLE	2200	Idaho fescue		50
		NORMAL	1800	antelope bitterbrush		5
		UNFAVORABLE	1400	bluegrass		15
				mountain big sagebrush		5
				needlegrass		10
198:						
Fivesprings-----	STONY LOAM 9-12" (R023XF082CA)	FAVORABLE	1200	Thurber needlegrass		15
		NORMAL	900	antelope bitterbrush		5
		UNFAVORABLE	600	basin wildrye		5
				bluebunch wheatgrass		60
				mountain big sagebrush		5
Longcreek-------	STONY LOAM 9-12" (R023XF082CA)	FAVORABLE	1200	Thurber needlegrass		15
		NORMAL	900	antelope bitterbrush		5
		UNFAVORABLE	600	basin wildrye		5
				bluebunch wheatgrass		60
				mountain big sagebrush		5
199:						
Fivesprings-----	STONY LOAM 9-12" (R023XF082CA)	FAVORABLE	1200	Thurber needlegrass		15
		NORMAL	900	antelope bitterbrush		5
		UNFAVORABLE	600	basin wildrye		5
				bluebunch wheatgrass		60
				mountain big sagebrush		5
Longcreek-------	STONY LOAM 9-12" (R023XF082CA)	FAVORABLE	1200	Thurber needlegrass		15
		NORMAL	900	antelope bitterbrush		5
		UNFAVORABLE	600	basin wildrye		5
				bluebunch wheatgrass		60
				mountain big sagebrush		5
200:						
Fivesprings-----	STONY LOAM 9-12" (R023XF082CA)	FAVORABLE	1200	Thurber needlegrass		15
		NORMAL	900	antelope bitterbrush		5
		UNFAVORABLE	600	basin wildrye		5
				bluebunch wheatgrass		60
				mountain big sagebrush		5
Longcreek-------	STONY LOAM 9-12" (R023XF082CA)	FAVORABLE	1200	Thurber needlegrass		15
		NORMAL	900	antelope bitterbrush		5
		UNFAVORABLE	600	basin wildrye		5
				bluebunch wheatgrass		60
				mountain big sagebrush		5
Rubble land-----	---	FAVORABLE	---			
		NORMAL	---			
		UNFAVORABLE	---			
201:						
Fivesprings-----	STONY LOAM 9-12" (R023XF082CA)	FAVORABLE	1200	Thurber needlegrass		15
		NORMAL	900	antelope bitterbrush		5
		UNFAVORABLE	600	basin wildrye		5
				bluebunch wheatgrass		60
				mountain big sagebrush		5

TABLE 7.--RANGELAND PRODUCTIVITY AND CHARACTERISTIC PLANT COMMUNITIES--Continued
Susanville Area, Parts of Lassen and Plumas Counties, California: Detailed Soil Map Legend

Map symbol and soil name	Ecological site	Total production		Characteristic vegetation	Composition	
		Kind of year	Dry weight		Forest	Range
			Lb/acre		Pct	Pct
Rubble land-----	---	FAVORABLE	---			
		NORMAL	---			
		UNFAVORABLE	---			
Devada----------	SHALLOW STONY LOAM 9-12" (R023XF081CA)	FAVORABLE	900	Thurber needlegrass		15
		NORMAL	700	bluebunch wheatgrass		30
		UNFAVORABLE	500	bluegrass		10
				low sagebrush		20
202:						
Fivesprings-----	WARM STONY LOAM 12-16" (R021XE179CA)	FAVORABLE	1800	Thurber needlegrass		15
		NORMAL	1200	antelope bitterbrush		5
		UNFAVORABLE	900	bluebunch wheatgrass		70
				mountain big sagebrush		5
Sumine----------	STONY LOAM 12-16" (R021XE174CA)	FAVORABLE	1000	Idaho fescue		5
		NORMAL	800	Thurber needlegrass		5
		UNFAVORABLE	600	antelope bitterbrush		10
				basin wildrye		5
				bluebunch wheatgrass		30
				mountain big sagebrush		10
203:						
Fluvents--------	---	FAVORABLE	---			
		NORMAL	---			
		UNFAVORABLE	---			
Riverwash-------	---	FAVORABLE	---			
		NORMAL	---			
		UNFAVORABLE	---			
204:						
Fordney---------	SANDY LOAM FAN 12-16" (R021XE180CA)	FAVORABLE	1800	Idaho fescue		40
		NORMAL	1500	antelope bitterbrush		5
		UNFAVORABLE	1000	beardless wildrye		10
				mountain big sagebrush		10
				needleandthread		20
205:						
Fordney---------	GRANITIC FAN 12-16" (R021XE181CA)	FAVORABLE	2500	Indian ricegrass		15
		NORMAL	1800	antelope bitterbrush		15
		UNFAVORABLE	1200	beardless wildrye		10
				mountain big sagebrush		10
				needleandthread		40
206:						
Fordney---------	---	FAVORABLE	---			
		NORMAL	---			
		UNFAVORABLE	---			
207:						
Forgay----------	---	FAVORABLE	---	greenleaf manzanita	5	
		NORMAL	---	lobbian ceanothus	5	
		UNFAVORABLE	---	other perennial grasses	5	
208:						
Forgay----------	---	FAVORABLE	---	greenleaf manzanita	5	
		NORMAL	---	other perennial grasses	5	
		UNFAVORABLE	---	whitethorn ceanothus	5	
209:						
Fortsage--------	---	FAVORABLE	---			
		NORMAL	---			
		UNFAVORABLE	---			
210:						
Fortsage--------	---	FAVORABLE	---			
		NORMAL	---			
		UNFAVORABLE	---			

TABLE 7.--RANGELAND PRODUCTIVITY AND CHARACTERISTIC PLANT COMMUNITIES--Continued
Susanville Area, Parts of Lassen and Plumas Counties, California: Detailed Soil Map Legend

Map symbol and soil name	Ecological site	Total production		Characteristic vegetation	Composition	
		Kind of year	Dry weight		Forest	Range
			Lb/acre		Pct	Pct
211:						
Fraval----------	---	FAVORABLE	---	Columbia needlegrass	5	
		NORMAL	---	Idaho fescue	30	
		UNFAVORABLE	---	bottlebrush squirreltail	5	
				curl-leaf mountain mahogany	5	
				mountain big sagebrush	35	
				sedge	5	
Fredonyer--------	VERY STONY LOAM 12-16" (R021XE178CA)	FAVORABLE	1500	Idaho fescue		45
		NORMAL	1000	curl-leaf mountain mahogany		30
		UNFAVORABLE	700	mountain big sagebrush		5
Said------------	---	FAVORABLE	---	Columbia needlegrass	5	
		NORMAL	---	Idaho fescue	5	
		UNFAVORABLE	---	manzanita	25	
				mountain big sagebrush	10	
				snowberry	10	
				squawcarpet	10	
				whitethorn ceanothus	15	
212:						
Fraval----------	---	FAVORABLE	---	Columbia needlegrass	5	
		NORMAL	---	Idaho fescue	30	
		UNFAVORABLE	---	bottlebrush squirreltail	5	
				curl-leaf mountain mahogany	5	
				mountain big sagebrush	35	
				sedge	5	
Said------------	---	FAVORABLE	---	Columbia needlegrass	5	
		NORMAL	---	Idaho fescue	5	
		UNFAVORABLE	---	manzanita	25	
				mountain big sagebrush	10	
				snowberry	10	
				squawcarpet	10	
				whitethorn ceanothus	15	
213:						
Fredonyer--------	VERY STONY LOAM 12-16" (R021XE178CA)	FAVORABLE	1500	Idaho fescue		45
		NORMAL	1000	curl-leaf mountain mahogany		30
		UNFAVORABLE	700	mountain big sagebrush		5
Whitinger--------	STONY LOAM 12-16" (R021XE174CA)	FAVORABLE	1800	Idaho fescue		25
		NORMAL	1400	antelope bitterbrush		10
		UNFAVORABLE	1000	bluebunch wheatgrass		30
				mountain big sagebrush		15
				needlegrass		25
Orhood----------	STONY LOAM 12-16" (R021XE174CA)	FAVORABLE	1800	Idaho fescue		25
		NORMAL	1400	Lemmon needlegrass		5
		UNFAVORABLE	1000	Sandberg bluegrass		5
				Thurber needlegrass		10
				antelope bitterbrush		5
				arrowleaf balsamroot		5
				bluebunch wheatgrass		30
				mountain big sagebrush		5
				rabbitbrush		5
214:						
Fulstone--------	SHALLOW STONY CLAY LOAM 9-12" (R023XF083CA)	FAVORABLE	800	Lahontan sagebrush		30
		NORMAL	600	Thurber needlegrass		15
		UNFAVORABLE	400	bluebunch wheatgrass		50
Wylo------------	SHALLOW STONY CLAY LOAM 9-12" (R023XF083CA)	FAVORABLE	800	Lahontan sagebrush		30
		NORMAL	600	Thurber needlegrass		15
		UNFAVORABLE	400	bluebunch wheatgrass		50
215:						
Galeppi---------	GRANITIC FAN 9-12" (R026XF051CA)	FAVORABLE	1500	Anderson peachbrush		10
		NORMAL	1200	Indian ricegrass		25
		UNFAVORABLE	900	Wyoming big sagebrush		5
				antelope bitterbrush		15
				beardless wildrye		5
				needleandthread		30
				rubber rabbitbrush		10

TABLE 7.--RANGELAND PRODUCTIVITY AND CHARACTERISTIC PLANT COMMUNITIES--Continued
Susanville Area, Parts of Lassen and Plumas Counties, California: Detailed Soil Map Legend

Map symbol and soil name	Ecological site	Total production		Characteristic vegetation	Composition	
		Kind of year	Dry weight		Forest	Range
			Lb/acre		Pct	Pct
216:						
Galeppi---------	GRANITIC UPLAND 9-12" (R026XF052CA)	FAVORABLE	1200	Anderson peachbrush		5
		NORMAL	900	Wyoming big sagebrush		5
		UNFAVORABLE	600	antelope bitterbrush		15
				bluebunch wheatgrass		10
				green ephedra		5
				needlegrass		50
				other perennial grasses		2
217:						
Galeppi---------	GRANITIC UPLAND 9-12" (R026XF052CA)	FAVORABLE	1200	Anderson peachbrush		5
		NORMAL	900	Wyoming big sagebrush		5
		UNFAVORABLE	600	antelope bitterbrush		15
				bluebunch wheatgrass		10
				green ephedra		5
				needlegrass		50
				other perennial grasses		2
Glenbrook-------	SHALLOW GRANITIC UPLAND 9-12" (R026XF053CA)	FAVORABLE	900	Thurber needlegrass		10
		NORMAL	600	antelope bitterbrush		15
		UNFAVORABLE	400	big sagebrush		10
				bottlebrush squirreltail		10
				desert needlegrass		30
				green ephedra		5
				other perennial forbs		5
				other perennial grasses		5
				other shrubs		5
				yellow rabbitbrush		5
218:						
Gavel-----------	---	FAVORABLE	---	Columbia needlegrass	5	
		NORMAL	---	Idaho fescue	30	
		UNFAVORABLE	---	bottlebrush squirreltail	5	
				curl-leaf mountain mahogany	5	
				mountain big sagebrush	35	
				sedge	5	
219:						
Gavel-----------	---	FAVORABLE	---	Columbia needlegrass	5	
		NORMAL	---	Idaho fescue	30	
		UNFAVORABLE	---	bottlebrush squirreltail	5	
				curl-leaf mountain mahogany	5	
				mountain big sagebrush	35	
				sedge	5	
Devada----------	SHALLOW STONY LOAM 12-16" (R021XE173CA)	FAVORABLE	1000	Idaho fescue		5
		NORMAL	700	Thurber needlegrass		15
		UNFAVORABLE	500	antelope bitterbrush		5
				bluebunch wheatgrass		40
				bluegrass		10
				low sagebrush		15
220:						
Gerlach---------	CLAY UPLAND 9-16" (R023XF084CA)	FAVORABLE	900	Thurber needlegrass		10
		NORMAL	700	beardless wildrye		10
		UNFAVORABLE	500	big sagebrush		5
				bottlebrush squirreltail		25
				littleleaf horsebrush		10
				rubber rabbitbrush		10
				western wheatgrass		15
221:						
Gerlach---------	CLAY UPLAND 9-16" (R023XF084CA)	FAVORABLE	900	Thurber needlegrass		10
		NORMAL	700	beardless wildrye		10
		UNFAVORABLE	500	big sagebrush		5
				bottlebrush squirreltail		25
				littleleaf horsebrush		10
				rubber rabbitbrush		10
				western wheatgrass		15
222:						
Gerlach---------	SILTY CLAY FLAT 9-12" (R023XF085CA)	FAVORABLE	1000	big sagebrush		25
		NORMAL	700	black greasewood		30
		UNFAVORABLE	400	bottlebrush squirreltail		10
				saltbush		5
				spiny hopsage		15
Ravendale-------	CLAY FLOODPLAIN 9-16" (R023XF092CA)	FAVORABLE	1400	Nevada bluegrass		75
		NORMAL	1100	beardless wildrye		5
		UNFAVORABLE	800	silver sagebrush		10
				western wheatgrass		5

TABLE 7.--RANGELAND PRODUCTIVITY AND CHARACTERISTIC PLANT COMMUNITIES--Continued
Susanville Area, Parts of Lassen and Plumas Counties, California: Detailed Soil Map Legend

Map symbol and soil name	Ecological site	Total production		Characteristic vegetation	Composition	
		Kind of year	Dry weight		Forest	Range
			Lb/acre		Pct	Pct
223:						
Gerle	---	FAVORABLE	---	chinkapin	5	
		NORMAL	---	currant	5	
		UNFAVORABLE	---	huckleberry oak	5	
				western brackenfern	5	
				whitethorn ceanothus	5	
224:						
Gerle	---	FAVORABLE	---	chinkapin	5	
		NORMAL	---	currant	5	
		UNFAVORABLE	---	huckleberry oak	5	
				western brackenfern	5	
				whitethorn ceanothus	5	
225:						
Gerle	---	FAVORABLE	---	greenleaf manzanita	5	
		NORMAL	---	needlegrass	5	
		UNFAVORABLE	---	other perennial grasses	5	
				snowbrush ceanothus	5	
				whitethorn ceanothus	5	
Gerle	---	FAVORABLE	---	chinkapin	5	
		NORMAL	---	currant	5	
		UNFAVORABLE	---	huckleberry oak	5	
				western brackenfern	5	
				whitethorn ceanothus	5	
Gerle	---	FAVORABLE	---	chinkapin	5	
		NORMAL	---	currant	5	
		UNFAVORABLE	---	huckleberry oak	5	
				western brackenfern	5	
				whitethorn ceanothus	5	
226:						
Glean	LOAM 12-16" (R021XE176CA)	FAVORABLE	2000	Idaho fescue		30
		NORMAL	1800	antelope bitterbrush		5
		UNFAVORABLE	1400	bluebunch wheatgrass		30
				mountain big sagebrush		5
				needlegrass		25
227:						
Glean	---	FAVORABLE	2000	Idaho fescue		30
		NORMAL	1800	antelope bitterbrush		5
		UNFAVORABLE	1400	bluebunch wheatgrass		30
				mountain big sagebrush		5
				needlegrass		25
228:						
Glean	STONY LOAM 12-16" (R021XE174CA)	FAVORABLE	1800	Idaho fescue		25
		NORMAL	1400	antelope bitterbrush		10
		UNFAVORABLE	1000	bluebunch wheatgrass		30
				mountain big sagebrush		5
				needlegrass		25
Searles	WARM STONY LOAM 12-16" (R021XE179CA)	FAVORABLE	1800	Thurber needlegrass		10
		NORMAL	1200	antelope bitterbrush		5
		UNFAVORABLE	900	bluebunch wheatgrass		70
				mountain big sagebrush		5
229:						
Glenbrook	SHALLOW GRANITIC UPLAND 9-12" (R026XF053CA)	FAVORABLE	900	Thurber needlegrass		10
		NORMAL	600	antelope bitterbrush		15
		UNFAVORABLE	400	big sagebrush		10
				bottlebrush squirreltail		10
				desert needlegrass		30
				green ephedra		5
				other perennial forbs		5
				other perennial grasses		5
				other shrubs		5
				yellow rabbitbrush		5

TABLE 7.--RANGELAND PRODUCTIVITY AND CHARACTERISTIC PLANT COMMUNITIES--Continued
Susanville Area, Parts of Lassen and Plumas Counties, California: Detailed Soil Map Legend

Map symbol and soil name	Ecological site	Total production		Characteristic vegetation	Composition	
		Kind of year	Dry weight		Forest	Range
			Lb/acre		Pct	Pct
229 cont.:						
Graufels	GRANITIC UPLAND 9-12" (R026XF052CA)	FAVORABLE	1200	Anderson peachbrush		10
		NORMAL	900	Wyoming big sagebrush		5
		UNFAVORABLE	600	antelope bitterbrush		15
				bluebunch wheatgrass		10
				green ephedra		5
				needlegrass		50
Rock outcrop	---	FAVORABLE	---			
		NORMAL	---			
		UNFAVORABLE	---			
230:						
Graufels	GRANITIC UPLAND 9-12" (R026XF052CA)	FAVORABLE	1200	Anderson peachbrush		10
		NORMAL	900	Wyoming big sagebrush		5
		UNFAVORABLE	600	antelope bitterbrush		15
				bluebunch wheatgrass		10
				green ephedra		5
				needlegrass		50
Glenbrook	SHALLOW GRANITIC UPLAND 9-12" (R026XF053CA)	FAVORABLE	900	Thurber needlegrass		10
		NORMAL	600	antelope bitterbrush		15
		UNFAVORABLE	400	big sagebrush		10
				bottlebrush squirreltail		10
				desert needlegrass		30
				green ephedra		5
				other perennial forbs		5
				other perennial grasses		5
				other shrubs		5
				yellow rabbitbrush		5
231:						
Hagata	SHALLOW LOAM 12-16" (R021XE184CA)	FAVORABLE	900	Idaho fescue		15
		NORMAL	700	Nevada bluegrass		15
		UNFAVORABLE	500	Thurber needlegrass		15
				bluegrass		15
				bottlebrush squirreltail		10
				eriogonum		5
				low sagebrush		10
Playas	---	FAVORABLE	---			
		NORMAL	---			
		UNFAVORABLE	---			
232:						
Hangtown	---	FAVORABLE	---	huckleberry oak	5	
		NORMAL	---	other perennial grasses	5	
		UNFAVORABLE	---	pinemat manzanita	5	
233:						
Hart Camp	STONY LOAM 12-16" (R021XE174CA)	FAVORABLE	1300	Canby bluegrass		5
		NORMAL	1200	Idaho fescue		5
		UNFAVORABLE	900	Thurber needlegrass		5
				antelope bitterbrush		20
				basin wildrye		5
				bluebunch wheatgrass		25
				mountain big sagebrush		15
Devada	SHALLOW STONY LOAM 9-12" (R023XF081CA)	FAVORABLE	900	Thurber needlegrass		15
		NORMAL	700	bluebunch wheatgrass		30
		UNFAVORABLE	500	bluegrass		10
				low sagebrush		20
Tunnison	SHALLOW CLAY 9-16" (R023XF093CA)	FAVORABLE	900	Thurber needlegrass		10
		NORMAL	700	beardless wildrye		10
		UNFAVORABLE	500	big sagebrush		10
				bottlebrush squirreltail		25
				littleleaf horsebrush		10
				rubber rabbitbrush		10
				western wheatgrass		15
234:						
Hart Camp	LOAM 12-16" (R021XE176CA)	FAVORABLE	2000	Idaho fescue		30
		NORMAL	1800	antelope bitterbrush		5
		UNFAVORABLE	1400	bluebunch wheatgrass		30
				mountain big sagebrush		5
				needlegrass		25
Madeline	STONY LOAM 12-16" (R021XE174CA)	FAVORABLE	1800	Idaho fescue		25
		NORMAL	1400	Thurber needlegrass		25
		UNFAVORABLE	1000	antelope bitterbrush		10
				bluebunch wheatgrass		30
				mountain big sagebrush		5

TABLE 7.--RANGELAND PRODUCTIVITY AND CHARACTERISTIC PLANT COMMUNITIES--Continued
Susanville Area, Parts of Lassen and Plumas Counties, California: Detailed Soil Map Legend

Map symbol and soil name	Ecological site	Total production		Characteristic vegetation	Composition	
		Kind of year	Dry weight		Forest	Range
			Lb/acre		Pct	Pct
235:						
Haypress	GRANITIC UPLAND 9-12" (R026XF052CA)	FAVORABLE	1000	Anderson peachbrush		10
		NORMAL	900	antelope bitterbrush		15
		UNFAVORABLE	800	big sagebrush		5
				bluebunch wheatgrass		10
				green ephedra		5
				needlegrass		50
Tanob	GRANITIC UPLAND 9-12" (R026XF052CA)	FAVORABLE	1200	Anderson peachbrush	10	10
		NORMAL	900	antelope bitterbrush	10	10
		UNFAVORABLE	600	bluebunch wheatgrass	10	10
				green ephedra	5	5
				mountain big sagebrush	5	5
				needlegrass	50	50
236:						
Herjun	SALINE-SODIC SUBIRRIGATED 6-16" (R023XG058CA)	FAVORABLE	1000	alkaligrass		10
		NORMAL	800	basin wildrye		5
		UNFAVORABLE	600	black greasewood		30
				bluegrass		10
				inland saltgrass		25
				rush		5
				western wheatgrass		5
237:						
Herjun	SALINE-SODIC SUBIRRIGATED 6-16" (R023XG058CA)	FAVORABLE	1000	alkaligrass		10
		NORMAL	800	basin wildrye		5
		UNFAVORABLE	600	black greasewood		30
				bluegrass		10
				inland saltgrass		25
				rush		5
				western wheatgrass		5
238:						
Highrock	SODIC TERRACE 6-9" (R023XG047CA)	FAVORABLE	900	basin wildrye		5
		NORMAL	700	black greasewood		50
		UNFAVORABLE	400	bottlebrush squirreltail		5
				shadscale		15
				spiny hopsage		15
Mazuma	SODIC TERRACE 6-9" (R023XG047CA)	FAVORABLE	400	basin wildrye		5
		NORMAL	200	black greasewood		50
		UNFAVORABLE	50	bottlebrush squirreltail		5
				seepweed		5
				shadscale		10
Wespac	SODIC LOAM 6-9" (R023XG048CA)	FAVORABLE	1100	basin big sagebrush		10
		NORMAL	900	basin wildrye		65
		UNFAVORABLE	600	black greasewood		10
				bottlebrush squirreltail		5
239:						
Highrock	SODIC TERRACE 6-9" (R023XG047CA)	FAVORABLE	900	basin wildrye		5
		NORMAL	700	black greasewood		50
		UNFAVORABLE	400	bottlebrush squirreltail		5
				shadscale		15
				spiny hopsage		15
Wespac	SODIC LOAM 6-9" (R023XG048CA)	FAVORABLE	1100	basin big sagebrush		10
		NORMAL	900	basin wildrye		65
		UNFAVORABLE	600	black greasewood		10
				bottlebrush squirreltail		5
Zorravista	SAND DUNES 6-9" (R023XG049CA)	FAVORABLE	1100	Indian ricegrass		35
		NORMAL	700	basin big sagebrush		10
		UNFAVORABLE	600	basin wildrye		10
				black greasewood		5
				fourwing saltbush		10
				littleleaf horsebrush		5
				needleandthread		10
				rubber rabbitbrush		10
				spiny hopsage		5

TABLE 7.--RANGELAND PRODUCTIVITY AND CHARACTERISTIC PLANT COMMUNITIES--Continued
Susanville Area, Parts of Lassen and Plumas Counties, California: Detailed Soil Map Legend

Map symbol and soil name	Ecological site	Total production		Characteristic vegetation	Composition	
		Kind of year	Dry weight		Forest	Range
			Lb/acre		Pct	Pct
240:						
Home Camp-------	STONY LOAM 12-16" (R021XE174CA)	FAVORABLE	1800	Idaho fescue		25
		NORMAL	1400	antelope bitterbrush		10
		UNFAVORABLE	1000	bluebunch wheatgrass		30
				mountain big sagebrush		5
				needlegrass		25
Newlands--------	COOL LOAM 12-16" (R021XE044CA)	FAVORABLE	2200	Idaho fescue		50
		NORMAL	1800	antelope bitterbrush		5
		UNFAVORABLE	1400	bluegrass		15
				mountain big sagebrush		5
				needlegrass		10
241:						
Honlak----------	SALINE-SODIC SUBIRRIGATED 6-16" (R023XG058CA)	FAVORABLE	1000	alkaligrass		10
		NORMAL	800	basin wildrye		5
		UNFAVORABLE	600	beardless wildrye		5
				black greasewood		30
				bluegrass		10
				inland saltgrass		25
				rush		5
				western wheatgrass		5
242:						
Horsecamp-------	CLAY UPLAND 9-16" (R023XF084CA)	FAVORABLE	900	Thurber needlegrass		10
		NORMAL	700	beardless wildrye		10
		UNFAVORABLE	500	big sagebrush		5
				bottlebrush squirreltail		25
				littleleaf horsebrush		10
				rubber rabbitbrush		10
				western wheatgrass		15
243:						
Horsecamp-------	CLAY UPLAND 9-16" (R023XF084CA)	FAVORABLE	900	Thurber needlegrass		10
		NORMAL	700	beardless wildrye		10
		UNFAVORABLE	500	big sagebrush		5
				bottlebrush squirreltail		25
				littleleaf horsebrush		10
				rubber rabbitbrush		10
				western wheatgrass		15
Brubeck---------	CLAY UPLAND 9-16" (R023XF084CA)	FAVORABLE	900	Thurber needlegrass		10
		NORMAL	700	beardless wildrye		10
		UNFAVORABLE	500	big sagebrush		5
				bottlebrush squirreltail		25
				littleleaf horsebrush		10
				rubber rabbitbrush		10
				western wheatgrass		15
244:						
Horsecamp-------	CLAY UPLAND 9-16" (R023XF084CA)	FAVORABLE	900	Thurber needlegrass		10
		NORMAL	700	beardless wildrye		10
		UNFAVORABLE	500	big sagebrush		5
				bottlebrush squirreltail		25
				littleleaf horsebrush		10
				rubber rabbitbrush		10
				western wheatgrass		15
Hunnton---------	STONY LOAM 9-12" (R023XF082CA)	FAVORABLE	1200	Thurber needlegrass		15
		NORMAL	900	Wyoming big sagebrush		5
		UNFAVORABLE	600	antelope bitterbrush		5
				basin wildrye		5
				bluebunch wheatgrass		60
				other perennial forbs		10
				other perennial grasses		10
				other shrubs		10
245:						
Horsecamp-------	CLAY UPLAND 9-16" (R023XF084CA)	FAVORABLE	900	Thurber needlegrass		10
		NORMAL	700	beardless wildrye		10
		UNFAVORABLE	500	big sagebrush		5
				bottlebrush squirreltail		25
				littleleaf horsebrush		10
				rubber rabbitbrush		10
				western wheatgrass		15
Mahala----------	SHALLOW STONY LOAM 9-12" (R023XF081CA)	FAVORABLE	900	Thurber needlegrass		15
		NORMAL	700	bluebunch wheatgrass		40
		UNFAVORABLE	500	bluegrass		5
				low sagebrush		15

TABLE 7.--RANGELAND PRODUCTIVITY AND CHARACTERISTIC PLANT COMMUNITIES--Continued
Susanville Area, Parts of Lassen and Plumas Counties, California: Detailed Soil Map Legend

Map symbol and soil name	Ecological site	Total production		Characteristic vegetation	Composition	
		Kind of year	Dry weight		Forest	Range
			Lb/acre		Pct	Pct
246:						
Humboldt--------	---	FAVORABLE	---			
		NORMAL	---			
		UNFAVORABLE	---			
247:						
Humboldt--------	---	FAVORABLE	---			
		NORMAL	---			
		UNFAVORABLE	---			
248:						
Humboldt--------	---	FAVORABLE	---			
		NORMAL	---			
		UNFAVORABLE	---			
249:						
Humboldt--------	---	FAVORABLE	---			
		NORMAL	---			
		UNFAVORABLE	---			
250:						
Hunnton---------	STONY LOAM 9-12" (R023XF082CA)	FAVORABLE	1200	Thurber needlegrass		15
		NORMAL	900	Wyoming big sagebrush		5
		UNFAVORABLE	600	antelope bitterbrush		5
				basin wildrye		5
				bluebunch wheatgrass		60
				other perennial forbs		10
				other perennial grasses		10
				other shrubs		10
Shinnpeak-------	VERY SHALLOW STONY LOAM 9-12" (R023XF087CA)	FAVORABLE	600	Sandberg bluegrass		5
		NORMAL	400	Thurber needlegrass		20
		UNFAVORABLE	200	black sagebrush		40
				bluebunch wheatgrass		35
				bottlebrush squirreltail		5
				other perennial forbs		5
				other perennial grasses		10
				other shrubs		5
251:						
Incy------------	GRANITIC SAND 9-12" (R026XF022CA)	FAVORABLE	900	Indian ricegrass		20
		NORMAL	700	Wyoming big sagebrush		10
		UNFAVORABLE	600	antelope bitterbrush		15
				arrowleaf balsamroot		5
				needleandthread		15
				sand dropseed		5
				western wheatgrass		5
252:						
Incy------------	GRANITIC SAND 9-12" (R026XF022CA)	FAVORABLE	900	Indian ricegrass		20
		NORMAL	700	Wyoming big sagebrush		10
		UNFAVORABLE	600	antelope bitterbrush		15
				arrowleaf balsamroot		5
				needleandthread		15
				sand dropseed		5
				western wheatgrass		5
253:						
Indiano---------	GRANITIC UPLAND 9-12" (R026XF052CA)	FAVORABLE	900	Indian ricegrass		5
		NORMAL	700	Sandberg bluegrass		5
		UNFAVORABLE	600	Thurber needlegrass		20
				Wyoming big sagebrush		15
				antelope bitterbrush		10
				basin wildrye		10
				bottlebrush squirreltail		5
				other perennial forbs		10
				other perennial grasses		5
				other shrubs		5
Graufels--------	GRANITIC UPLAND 9-12" (R026XF052CA)	FAVORABLE	1200	Anderson peachbrush		10
		NORMAL	900	Wyoming big sagebrush		5
		UNFAVORABLE	600	antelope bitterbrush		15
				bluebunch wheatgrass		10
				green ephedra		5
				needlegrass		50

TABLE 7.--RANGELAND PRODUCTIVITY AND CHARACTERISTIC PLANT COMMUNITIES--Continued
Susanville Area, Parts of Lassen and Plumas Counties, California: Detailed Soil Map Legend

Map symbol and soil name	Ecological site	Total production		Characteristic vegetation	Composition	
		Kind of year	Dry weight		Forest	Range
			Lb/acre		Pct	Pct
254:						
Indiano	WARM STONY LOAM 12-16" (R021XE179CA)	FAVORABLE	1800	Thurber needlegrass		15
		NORMAL	1200	antelope bitterbrush		5
		UNFAVORABLE	900	basin wildrye		5
				bluebunch wheatgrass		70
				mountain big sagebrush		5
Searles	WARM STONY LOAM 12-16" (R021XE179CA)	FAVORABLE	1800	Thurber needlegrass		10
		NORMAL	1200	antelope bitterbrush		5
		UNFAVORABLE	900	bluebunch wheatgrass		70
				mountain big sagebrush		5
255:						
Indiano	WARM STONY LOAM 12-16" (R021XE179CA)	FAVORABLE	1800	Thurber needlegrass		15
		NORMAL	1200	antelope bitterbrush		5
		UNFAVORABLE	900	basin wildrye		5
				bluebunch wheatgrass		70
				mountain big sagebrush		5
Searles	WARM STONY LOAM 12-16" (R021XE179CA)	FAVORABLE	1800	Thurber needlegrass		10
		NORMAL	1200	antelope bitterbrush		5
		UNFAVORABLE	900	bluebunch wheatgrass		70
				mountain big sagebrush		5
256:						
Indiano	STONY LOAM 9-12" (R023XF082CA)	FAVORABLE	1100	Thurber needlegrass		10
		NORMAL	800	Wyoming big sagebrush		20
		UNFAVORABLE	600	antelope bitterbrush		10
				basin wildrye		5
				bluebunch wheatgrass		40
				other perennial forbs		5
				other perennial grasses		5
				other shrubs		5
Zephan	STONY LOAM 9-12" (R023XF082CA)	FAVORABLE	1200	Thurber needlegrass		15
		NORMAL	900	Wyoming big sagebrush		5
		UNFAVORABLE	600	antelope bitterbrush		5
				basin wildrye		5
				western wheatgrass		60
Duco	---	FAVORABLE	---	western juniper	5	
		NORMAL	---	western juniper	5	
		UNFAVORABLE	---	western juniper	5	
				western juniper	5	
				western juniper	5	
257:						
Inville	---	FAVORABLE	---	manzanita	5	
		NORMAL	---	snowbrush ceanothus	5	
		UNFAVORABLE	---	whitethorn ceanothus	5	
258:						
Jauriga	COOL LOAM 12-16" (R021XE044CA)	FAVORABLE	2200	Idaho fescue		50
		NORMAL	1800	antelope bitterbrush		5
		UNFAVORABLE	1400	bluegrass		15
				mountain big sagebrush		5
				needlegrass		10
259:						
Jauriga	LOAM 12-16" (R021XE176CA)	FAVORABLE	2200	Idaho fescue		30
		NORMAL	1800	antelope bitterbrush		5
		UNFAVORABLE	1400	bluebunch wheatgrass		30
				mountain big sagebrush		5
				needlegrass		25
Buckbay	LOAM 12-16" (R021XE176CA)	FAVORABLE	2200	Idaho fescue		30
		NORMAL	1800	antelope bitterbrush		5
		UNFAVORABLE	1400	bluebunch wheatgrass		30
				mountain big sagebrush		5
				needlegrass		25
Fredonyer	VERY STONY LOAM 12-16" (R021XE178CA)	FAVORABLE	1500	Idaho fescue		45
		NORMAL	1000	curl-leaf mountain mahogany		30
		UNFAVORABLE	700	mountain big sagebrush		5

TABLE 7.--RANGELAND PRODUCTIVITY AND CHARACTERISTIC PLANT COMMUNITIES--Continued
Susanville Area, Parts of Lassen and Plumas Counties, California: Detailed Soil Map Legend

Map symbol and soil name	Ecological site	Total production		Characteristic vegetation	Composition	
		Kind of year	Dry weight		Forest	Range
			Lb/acre		Pct	Pct
260:						
Keddie----------	---	FAVORABLE	---			
		NORMAL	---			
		UNFAVORABLE	---			
261:						
Keddie----------	---	FAVORABLE	---			
		NORMAL	---			
		UNFAVORABLE	---			
262:						
Ladd----------	COOL LOAM 12-16" (R021XE044CA)	FAVORABLE	2200	Idaho fescue		50
		NORMAL	1800	antelope bitterbrush		5
		UNFAVORABLE	1400	bluegrass		15
				mountain big sagebrush		5
				needlegrass		10
263:						
Ladd----------	COOL LOAM 12-16" (R021XE044CA)	FAVORABLE	2200	Idaho fescue		50
		NORMAL	1800	antelope bitterbrush		5
		UNFAVORABLE	1400	bluegrass		15
				mountain big sagebrush		5
				needlegrass		10
Bieber----------	SHALLOW LOAM 12-16" (R021XE184CA)	FAVORABLE	700	Sandberg bluegrass		20
		NORMAL	600	bastardsage		5
		UNFAVORABLE	500	bottlebrush squirreltail		15
				low sagebrush		20
264:						
Lakeview--------	---	FAVORABLE	---			
		NORMAL	---			
		UNFAVORABLE	---			
265:						
Lakeview--------	---	FAVORABLE	---			
		NORMAL	---			
		UNFAVORABLE	---			
266:						
Lasco----------	---	FAVORABLE	---	Idaho fescue	5	
		NORMAL	---	antelope bitterbrush	5	
		UNFAVORABLE	---	big sagebrush	5	
267:						
Lasco----------	---	FAVORABLE	---	manzanita	5	
		NORMAL	---	mountain brome	5	
		UNFAVORABLE	---	needlegrass	5	
				snowbrush ceanothus	5	
				whitethorn ceanothus	5	
268:						
Lasco----------	---	FAVORABLE	---	manzanita	5	
		NORMAL	---	mountain brome	5	
		UNFAVORABLE	---	needlegrass	5	
				snowbrush ceanothus	5	
				whitethorn ceanothus	5	
269:						
Lasco----------	---	FAVORABLE	---	manzanita	5	
		NORMAL	---	mountain brome	5	
		UNFAVORABLE	---	needlegrass	5	
				snowbrush ceanothus	5	
				whitethorn ceanothus	5	
Bonta----------	---	FAVORABLE	---	antelope bitterbrush	5	
		NORMAL	---	big sagebrush	15	
		UNFAVORABLE	---	other perennial grasses	10	
270:						
Lieberman-------	SODIC FLAT 6-9" (R023XG046CA)	FAVORABLE	700	black greasewood		15
		NORMAL	400	bottlebrush squirreltail		5
		UNFAVORABLE	300	bud sagebrush		10
				shadscale		60

TABLE 7.--RANGELAND PRODUCTIVITY AND CHARACTERISTIC PLANT COMMUNITIES--Continued
Susanville Area, Parts of Lassen and Plumas Counties, California: Detailed Soil Map Legend

Map symbol and soil name	Ecological site	Total production		Characteristic vegetation	Composition	
		Kind of year	Dry weight		Forest	Range
			Lb/acre		Pct	Pct
271:						
Lieberman-------	SODIC FLAT 6-9" (R023XG046CA)	FAVORABLE	700	black greasewood		15
		NORMAL	400	bottlebrush squirreltail		5
		UNFAVORABLE	300	bud sagebrush		10
				shadscale		60
Herlong---------	SODIC FLAT 6-9" (R023XG046CA)	FAVORABLE	700	black greasewood		15
		NORMAL	500	bottlebrush squirreltail		10
		UNFAVORABLE	300	bud sagebrush		10
				shadscale		60
272:						
Lodico----------	SHALLOW STONY LOAM 9-12" (R023XF081CA)	FAVORABLE	1000	Thurber needlegrass		15
		NORMAL	700	antelope bitterbrush		5
		UNFAVORABLE	500	bluebunch wheatgrass		60
				low sagebrush		10
273:						
Longcreek-------	STONY LOAM 9-12" (R023XF082CA)	FAVORABLE	1200	Thurber needlegrass		15
		NORMAL	900	antelope bitterbrush		5
		UNFAVORABLE	600	basin wildrye		5
				bluebunch wheatgrass		60
				mountain big sagebrush		5
Devada----------	SHALLOW STONY LOAM 9-12" (R023XF081CA)	FAVORABLE	900	Thurber needlegrass		15
		NORMAL	700	bluebunch wheatgrass		30
		UNFAVORABLE	500	bluegrass		10
				low sagebrush		20
Rubble land-----	---	FAVORABLE	---			
		NORMAL	---			
		UNFAVORABLE	---			
274:						
Longcreek-------	STONY LOAM 9-12" (R023XF082CA)	FAVORABLE	1200	Thurber needlegrass		15
		NORMAL	900	antelope bitterbrush		5
		UNFAVORABLE	600	basin wildrye		5
				bluebunch wheatgrass		60
				mountain big sagebrush		5
Devada----------	SHALLOW STONY LOAM 9-12" (R023XF081CA)	FAVORABLE	900	Thurber needlegrass		15
		NORMAL	700	bluebunch wheatgrass		30
		UNFAVORABLE	500	bluegrass		10
				low sagebrush		20
Rubble land-----	---	FAVORABLE	---			
		NORMAL	---			
		UNFAVORABLE	---			
275:						
Loomis----------	VERY SHALLOW STONY LOAM 9-12" (R023XF087CA)	FAVORABLE	600	Sandberg bluegrass		5
		NORMAL	400	Thurber needlegrass		20
		UNFAVORABLE	200	black sagebrush		40
				bluebunch wheatgrass		35
				bottlebrush squirreltail		5
276:						
Loomis----------	VERY SHALLOW STONY LOAM 9-12" (R023XF087CA)	FAVORABLE	600	Sandberg bluegrass		5
		NORMAL	400	Thurber needlegrass		20
		UNFAVORABLE	200	black sagebrush		40
				bluebunch wheatgrass		35
				bottlebrush squirreltail		5
Fivesprings-----	STONY LOAM 9-12" (R023XF082CA)	FAVORABLE	1200	Thurber needlegrass		15
		NORMAL	900	antelope bitterbrush		5
		UNFAVORABLE	600	basin wildrye		5
				bluebunch wheatgrass		60
				mountain big sagebrush		5

TABLE 7.--RANGELAND PRODUCTIVITY AND CHARACTERISTIC PLANT COMMUNITIES--Continued
Susanville Area, Parts of Lassen and Plumas Counties, California: Detailed Soil Map Legend

Map symbol and soil name	Ecological site	Total production		Characteristic vegetation	Composition	
		Kind of year	Dry weight		Forest	Range
			Lb/acre		Pct	Pct
277:						
Loomis----------	VERY SHALLOW STONY LOAM 9-12" (R023XF087CA)	FAVORABLE	600	Sandberg bluegrass		5
		NORMAL	400	Thurber needlegrass		20
		UNFAVORABLE	200	black sagebrush		40
				bluebunch wheatgrass		35
				bottlebrush squirreltail		5
Rubble land-----	---	FAVORABLE	---			
		NORMAL	---			
		UNFAVORABLE	---			
278:						
Madeline--------	WARM STONY LOAM 12-16" (R021XE179CA)	FAVORABLE	1800	Thurber needlegrass		15
		NORMAL	1200	antelope bitterbrush		5
		UNFAVORABLE	900	bluebunch wheatgrass		60
				mountain big sagebrush		5
Glean-----------	STONY LOAM 12-16" (R021XE174CA)	FAVORABLE	1800	Idaho fescue		25
		NORMAL	1400	antelope bitterbrush		10
		UNFAVORABLE	1000	bluebunch wheatgrass		30
				mountain big sagebrush		5
				needlegrass		25
Devada----------	---	FAVORABLE	1000	Idaho fescue		5
		NORMAL	700	Thurber needlegrass		15
		UNFAVORABLE	500	antelope bitterbrush		5
				bluebunch wheatgrass		40
				bluegrass		10
				low sagebrush		15
279:						
Madeline--------	STONY LOAM 12-16" (R021XE174CA)	FAVORABLE	1800	Idaho fescue		25
		NORMAL	1400	Thurber needlegrass		25
		UNFAVORABLE	1000	antelope bitterbrush		10
				bluebunch wheatgrass		30
				mountain big sagebrush		5
Sumine----------	LOAM 12-16" (R021XE176CA)	FAVORABLE	1500	Idaho fescue		5
		NORMAL	1100	Thurber needlegrass		5
		UNFAVORABLE	800	basin wildrye		10
				bluebunch wheatgrass		50
				mountain big sagebrush		10
				mountain brome		5
				oceanspray		5
280:						
Massack---------	---	FAVORABLE	---			
		NORMAL	---			
		UNFAVORABLE	---			
281:						
Mazuma----------	SALINE-SODIC FLAT 6-9" (R023XG050CA)	FAVORABLE	500	black greasewood		50
		NORMAL	400	bottlebrush squirreltail		5
		UNFAVORABLE	300	inland saltgrass		10
				seepweed		5
282:						
Mazuma----------	SALINE-SODIC FLAT 6-9" (R023XG050CA)	FAVORABLE	500	basin wildrye		5
		NORMAL	400	black greasewood		50
		UNFAVORABLE	300	bottlebrush squirreltail		5
				seepweed		5
				shadscale		10
283:						
McConnel--------	GRANITIC UPLAND 9-12" (R026XF052CA)	FAVORABLE	1200	Indian ricegrass		5
		NORMAL	800	Thurber needlegrass		20
		UNFAVORABLE	600	Wyoming big sagebrush		20
				bluebunch wheatgrass		10
				bottlebrush squirreltail		5
				spiny hopsage		5
				yellow rabbitbrush		5
Mottsville------	GRANITIC FAN 9-12" (R026XF051CA)	FAVORABLE	1500	Indian ricegrass		20
		NORMAL	1100	antelope bitterbrush		15
		UNFAVORABLE	900	basin big sagebrush		10
				bottlebrush squirreltail		5
				desert needlegrass		5
				desert peach		10
				needleandthread		20

TABLE 7.--RANGELAND PRODUCTIVITY AND CHARACTERISTIC PLANT COMMUNITIES--Continued
Susanville Area, Parts of Lassen and Plumas Counties, California: Detailed Soil Map Legend

Map symbol and soil name	Ecological site	Total production		Characteristic vegetation	Composition	
		Kind of year	Dry weight		Forest	Range
			Lb/acre		Pct	Pct
284:						
Mcdermott-------	SODIC LOAM 6-9" (R023XG048CA)	FAVORABLE	1100	basin big sagebrush		10
		NORMAL	900	basin wildrye		65
		UNFAVORABLE	600	black greasewood		10
				bottlebrush squirreltail		5
285:						
Modoc-----------	LOAMY TERRACE 12-16"	FAVORABLE	1800	Idaho fescue		10
	(R021XE186CA)	NORMAL	1500	basin big sagebrush		10
		UNFAVORABLE	1200	basin wildrye		5
				bluebunch wheatgrass		25
Truax-----------	LOAMY TERRACE 12-16"	FAVORABLE	2000	Thurber needlegrass		10
	(R021XE186CA)	NORMAL	1500	antelope bitterbrush		5
		UNFAVORABLE	1000	basin big sagebrush		5
				basin wildrye		50
				bottlebrush squirreltail		10
				needleandthread		10
286:						
Mottsville------	GRANITIC FAN 12-16"	FAVORABLE	2500	Indian ricegrass		15
	(R021XE181CA)	NORMAL	1800	antelope bitterbrush		20
		UNFAVORABLE	1200	bottlebrush squirreltail		5
				mountain big sagebrush		10
				needleandthread		20
				other perennial forbs		5
				other perennial grasses		5
				other shrubs		5
287:						
Mottsville------	GRANITIC FAN 12-16"	FAVORABLE	2500	Indian ricegrass		15
	(R021XE181CA)	NORMAL	1800	antelope bitterbrush		20
		UNFAVORABLE	1200	bottlebrush squirreltail		5
				mountain big sagebrush		10
				needleandthread		20
				other perennial forbs		5
				other perennial grasses		5
				other shrubs		5
288:						
Mottsville------	GRANITIC FAN 9-12"	FAVORABLE	1500	Indian ricegrass		20
	(R026XF051CA)	NORMAL	1100	antelope bitterbrush		15
		UNFAVORABLE	900	basin big sagebrush		10
				bottlebrush squirreltail		5
				desert needlegrass		5
				desert peach		10
				needleandthread		20
289:						
Mottsville------	GRANITIC FAN 9-12"	FAVORABLE	1500	Indian ricegrass		20
	(R026XF051CA)	NORMAL	1100	antelope bitterbrush		15
		UNFAVORABLE	900	basin big sagebrush		10
				bottlebrush squirreltail		5
				desert needlegrass		5
				desert peach		10
				needleandthread		20
290:						
Mottsville------	GRANITIC FAN 12-16"	FAVORABLE	2500	Indian ricegrass		15
	(R021XE181CA)	NORMAL	1800	antelope bitterbrush		20
		UNFAVORABLE	1200	bottlebrush squirreltail		5
				mountain big sagebrush		10
				needleandthread		20
				other perennial forbs		5
				other perennial grasses		5
				other shrubs		5
291:						
Mottsville------	GRANITIC FAN 12-16"	FAVORABLE	2500	Indian ricegrass		15
	(R021XE181CA)	NORMAL	1800	antelope bitterbrush		20
		UNFAVORABLE	1200	bottlebrush squirreltail		5
				mountain big sagebrush		10
				needleandthread		20
				other perennial forbs		5
				other perennial grasses		5
				other shrubs		5

TABLE 7.--RANGELAND PRODUCTIVITY AND CHARACTERISTIC PLANT COMMUNITIES--Continued
Susanville Area, Parts of Lassen and Plumas Counties, California: Detailed Soil Map Legend

Map symbol and soil name	Ecological site	Total production		Characteristic vegetation	Composition	
		Kind of year	Dry weight		Forest	Range
			Lb/acre		Pct	Pct
292:						
Mottsville------	GRANITIC FAN 9-12" (R026XF051CA)	FAVORABLE	1500	Indian ricegrass		20
		NORMAL	1100	antelope bitterbrush		15
		UNFAVORABLE	900	basin big sagebrush		10
				bottlebrush squirreltail		5
				desert needlegrass		5
				desert peach		10
				needleandthread		20
Galeppi---------	GRANITIC UPLAND 9-12" (R026XF052CA)	FAVORABLE	1200	Anderson peachbrush		5
		NORMAL	900	Wyoming big sagebrush		5
		UNFAVORABLE	600	antelope bitterbrush		15
				bluebunch wheatgrass		10
				green ephedra		5
				needlegrass		50
				other perennial grasses		2
293:						
Mountmed--------	---	FAVORABLE	---			
		NORMAL	---			
		UNFAVORABLE	---			
294:						
Mountmed--------	---	FAVORABLE	---			
		NORMAL	---			
		UNFAVORABLE	---			
295:						
Mountmed--------	---	FAVORABLE	---			
		NORMAL	---			
		UNFAVORABLE	---			
296:						
Newlands--------	COOL LOAM 12-16" (R021XE044CA)	FAVORABLE	2200	Idaho fescue		50
		NORMAL	1800	antelope bitterbrush		5
		UNFAVORABLE	1400	bluegrass		15
				mountain big sagebrush		5
				needlegrass		10
Hapgood---------	COOL LOAM 12-16" (R021XE044CA)	FAVORABLE	1550	Idaho fescue		20
		NORMAL	1150	Thurber needlegrass		5
		UNFAVORABLE	750	antelope bitterbrush		10
				arrowleaf balsamroot		5
				basin wildrye		10
				bluebunch wheatgrass		15
				lupine		5
				mountain big sagebrush		10
297:						
Ninemile--------	SHALLOW STONY LOAM 12-16" (R021XE173CA)	FAVORABLE	1000	Idaho fescue		35
		NORMAL	700	Thurber needlegrass		5
		UNFAVORABLE	400	antelope bitterbrush		5
				balsamroot		5
				bluebunch wheatgrass		15
				bluegrass		10
				bottlebrush squirreltail		5
				low sagebrush		20
Home Camp-------	STONY LOAM 12-16" (R021XE174CA)	FAVORABLE	1800	Idaho fescue		25
		NORMAL	1400	antelope bitterbrush		10
		UNFAVORABLE	1000	bluebunch wheatgrass		30
				mountain big sagebrush		5
				needlegrass		25
Newlands--------	COOL LOAM 12-16" (R021XE044CA)	FAVORABLE	2200	Idaho fescue		50
		NORMAL	1800	antelope bitterbrush		5
		UNFAVORABLE	1400	bluegrass		15
				mountain big sagebrush		5
				needlegrass		10

TABLE 7.--RANGELAND PRODUCTIVITY AND CHARACTERISTIC PLANT COMMUNITIES--Continued
Susanville Area, Parts of Lassen and Plumas Counties, California: Detailed Soil Map Legend

Map symbol and soil name	Ecological site	Total production		Characteristic vegetation	Composition	
		Kind of year	Dry weight		Forest	Range
			Lb/acre		Pct	Pct
298:						
Ninemile--------	SHALLOW STONY LOAM 12-16" (R021XE173CA)	FAVORABLE	1000	Idaho fescue		35
		NORMAL	700	Thurber needlegrass		5
		UNFAVORABLE	400	antelope bitterbrush		5
				balsamroot		5
				bluebunch wheatgrass		15
				bluegrass		10
				bottlebrush squirreltail		5
				low sagebrush		20
Petescreek------	COOL LOAM 12-16" (R021XE044CA)	FAVORABLE	2200	Idaho fescue		50
		NORMAL	1800	antelope bitterbrush		5
		UNFAVORABLE	1400	bluegrass		15
				mountain big sagebrush		5
				needlegrass		10
Fiddler---------	STONY LOAM 12-16" (R021XE174CA)	FAVORABLE	1000	Idaho fescue		15
		NORMAL	800	Nevada bluegrass		10
		UNFAVORABLE	600	Sandberg bluegrass		5
				Thurber needlegrass		5
				antelope bitterbrush		5
				arrowleaf balsamroot		5
				bluebunch wheatgrass		10
				bottlebrush squirreltail		5
				mountain big sagebrush		10
				rabbitbrush		5
299:						
Ninemile--------	SHALLOW STONY LOAM 12-16" (R021XE173CA)	FAVORABLE	1000	Idaho fescue		35
		NORMAL	700	Thurber needlegrass		5
		UNFAVORABLE	400	antelope bitterbrush		5
				balsamroot		5
				bluebunch wheatgrass		15
				bluegrass		10
				bottlebrush squirreltail		5
				low sagebrush		20
Weste-----------	---	FAVORABLE	---			
		NORMAL	---			
		UNFAVORABLE	---			
300:						
Observation-----	STONY LOAM 12-16" (R021XE174CA)	FAVORABLE	1800	Idaho fescue		25
		NORMAL	1400	antelope bitterbrush		10
		UNFAVORABLE	1000	bluebunch wheatgrass		30
				mountain big sagebrush		5
				needlegrass		25
Searles---------	WARM STONY LOAM 12-16" (R021XE179CA)	FAVORABLE	1800	Thurber needlegrass		10
		NORMAL	1200	antelope bitterbrush		5
		UNFAVORABLE	900	bluebunch wheatgrass		70
				mountain big sagebrush		5
Madeline--------	STONY LOAM 12-16" (R021XE174CA)	FAVORABLE	1800	Idaho fescue		25
		NORMAL	1400	Thurber needlegrass		25
		UNFAVORABLE	1000	antelope bitterbrush		10
				bluebunch wheatgrass		30
				mountain big sagebrush		5
301:						
Observation-----	STONY LOAM 12-16" (R021XE174CA)	FAVORABLE	1800	Idaho fescue		25
		NORMAL	1400	antelope bitterbrush		10
		UNFAVORABLE	1000	bluebunch wheatgrass		30
				mountain big sagebrush		5
				needlegrass		25
Searles---------	WARM STONY LOAM 12-16" (R021XE179CA)	FAVORABLE	1800	Thurber needlegrass		10
		NORMAL	1200	antelope bitterbrush		5
		UNFAVORABLE	900	bluebunch wheatgrass		70
				mountain big sagebrush		5
Madeline--------	STONY LOAM 12-16" (R021XE174CA)	FAVORABLE	1800	Idaho fescue		25
		NORMAL	1400	Thurber needlegrass		25
		UNFAVORABLE	1000	antelope bitterbrush		10
				bluebunch wheatgrass		30
				mountain big sagebrush		5

TABLE 7.--RANGELAND PRODUCTIVITY AND CHARACTERISTIC PLANT COMMUNITIES--Continued
Susanville Area, Parts of Lassen and Plumas Counties, California: Detailed Soil Map Legend

Map symbol and soil name	Ecological site	Total production		Characteristic vegetation	Composition	
		Kind of year	Dry weight		Forest	Range
			Lb/acre		Pct	Pct
302:						
Orhood----------	STONY LOAM 12-16" (R021XE174CA)	FAVORABLE	1800	Idaho fescue		25
		NORMAL	1400	Lemmon needlegrass		5
		UNFAVORABLE	1000	Sandberg bluegrass		5
				Thurber needlegrass		10
				antelope bitterbrush		5
				arrowleaf balsamroot		5
				bluebunch wheatgrass		30
				mountain big sagebrush		5
				rabbitbrush		5
303:						
Orr----------	GRANITIC FAN 9-12" (R026XF051CA)	FAVORABLE	1500	Anderson peachbrush		10
		NORMAL	1200	Indian ricegrass		25
		UNFAVORABLE	900	Wyoming big sagebrush		5
				antelope bitterbrush		15
				beardless wildrye		5
				needleandthread		30
				yellow rabbitbrush		10
304:						
Outland---------	---	FAVORABLE	---	Sierra chinkapin	5	
		NORMAL	---	antelope bitterbrush	5	
		UNFAVORABLE	---	greenleaf manzanita	5	
				sharpleaf snowberry	5	
				snowberry	5	
				snowbrush ceanothus	5	
				squawcarpet	5	
				whitethorn ceanothus	5	
305:						
Outland---------	---	FAVORABLE	---	Sierra chinkapin	5	
		NORMAL	---	greenleaf manzanita	5	
		UNFAVORABLE	---	sharpleaf snowberry	5	
				snowberry	5	
				snowbrush ceanothus	5	
				squawcarpet	5	
				whitethorn ceanothus	5	
Outland---------	---	FAVORABLE	---	Sierra chinkapin	5	
		NORMAL	---	antelope bitterbrush	5	
		UNFAVORABLE	---	greenleaf manzanita	5	
				sharpleaf snowberry	5	
				snowberry	5	
				snowbrush ceanothus	5	
				squawcarpet	5	
				whitethorn ceanothus	5	
306:						
Outland---------	---	FAVORABLE	---	Sierra chinkapin	5	
		NORMAL	---	antelope bitterbrush	5	
		UNFAVORABLE	---	greenleaf manzanita	5	
				sharpleaf snowberry	5	
				snowberry	5	
				snowbrush ceanothus	5	
				squawcarpet	5	
				whitethorn ceanothus	5	
Penstock--------	---	FAVORABLE	---	manzanita	5	
		NORMAL	---	mountain brome	5	
		UNFAVORABLE	---	needlegrass	5	
				snowbrush ceanothus	5	
				whitethorn ceanothus	5	
307:						
Outland---------	---	FAVORABLE	---	Sierra chinkapin	5	
		NORMAL	---	antelope bitterbrush	5	
		UNFAVORABLE	---	greenleaf manzanita	5	
				sharpleaf snowberry	5	
				snowberry	5	
				snowbrush ceanothus	5	
				squawcarpet	5	
				whitethorn ceanothus	5	
Penstock--------	---	FAVORABLE	---	manzanita	5	
		NORMAL	---	mountain brome	5	
		UNFAVORABLE	---	needlegrass	5	
				snowbrush ceanothus	5	
				whitethorn ceanothus	5	

TABLE 7.--RANGELAND PRODUCTIVITY AND CHARACTERISTIC PLANT COMMUNITIES--Continued
Susanville Area, Parts of Lassen and Plumas Counties, California: Detailed Soil Map Legend

Map symbol and soil name	Ecological site	Total production		Characteristic vegetation	Composition	
		Kind of year	Dry weight		Forest	Range
			Lb/acre		Pct	Pct
308:						
Papeek----------	---	FAVORABLE	---	Idaho fescue	5	
		NORMAL	---	antelope bitterbrush	5	
		UNFAVORABLE	---	mountain big sagebrush	5	
309:						
Papeek----------	---	FAVORABLE	---	Idaho fescue	5	
		NORMAL	---	antelope bitterbrush	5	
		UNFAVORABLE	---	mountain big sagebrush	5	
310:						
Penstock--------	---	FAVORABLE	---	manzanita	5	
		NORMAL	---	mountain brome	5	
		UNFAVORABLE	---	needlegrass	5	
				snowbrush ceanothus	5	
				whitethorn ceanothus	5	
Deadwood--------	---	FAVORABLE	---	California nutmeg	5	
		NORMAL	---	greenleaf manzanita	5	
		UNFAVORABLE	---	pinemat manzanita	5	
311:						
Penstock--------	---	FAVORABLE	---	manzanita	5	
		NORMAL	---	mountain brome	5	
		UNFAVORABLE	---	needlegrass	5	
				snowbrush ceanothus	5	
				whitethorn ceanothus	5	
Deadwood--------	---	FAVORABLE	---	California nutmeg	5	
		NORMAL	---	greenleaf manzanita	5	
		UNFAVORABLE	---	pinemat manzanita	5	
Rock outcrop---*	---	FAVORABLE	---			
		NORMAL	---			
		UNFAVORABLE	---			
312:						
Penstock--------	---	FAVORABLE	---	manzanita	5	
		NORMAL	---	mountain brome		
		UNFAVORABLE	---	needlegrass	5	
				sharpleaf snowberry	5	
				snowbrush ceanothus	5	
				whitethorn ceanothus	5	
Scaribou--------	---	FAVORABLE	---	manzanita	5	
		NORMAL	---	mountain brome	5	
		UNFAVORABLE	---	needlegrass	5	
				sharpleaf snowberry	5	
				snowbrush ceanothus	5	
				whitethorn ceanothus	5	
313:						
Penstock--------	---	FAVORABLE	---	manzanita	5	
		NORMAL	---	mountain brome	5	
		UNFAVORABLE	---	needlegrass	5	
				sharpleaf snowberry	5	
				snowbrush ceanothus	5	
				whitethorn ceanothus	5	
Scaribou--------	---	FAVORABLE	---	manzanita	5	
		NORMAL	---	mountain brome	5	
		UNFAVORABLE	---	needlegrass	5	
				sharpleaf snowberry	5	
				snowbrush ceanothus	5	
				whitethorn ceanothus	5	
314:						
Pequop----------	COOL STONY LOAM 12-16" (R021XE187CA)	FAVORABLE	1800	Idaho fescue		50
		NORMAL	1500	antelope bitterbrush		10
		UNFAVORABLE	1100	bluebunch wheatgrass		10
				bluegrass		15
				mountain big sagebrush		5
				needlegrass		10
Observation-----	COOL STONY LOAM 12-16" (R021XE187CA)	FAVORABLE	1800	Idaho fescue		50
		NORMAL	1500	antelope bitterbrush		10
		UNFAVORABLE	1000	bluebunch wheatgrass		10
				bluegrass		15
				mountain big sagebrush		5
				needlegrass		10

TABLE 7.--RANGELAND PRODUCTIVITY AND CHARACTERISTIC PLANT COMMUNITIES--Continued
Susanville Area, Parts of Lassen and Plumas Counties, California: Detailed Soil Map Legend

Map symbol and soil name	Ecological site	Total production		Characteristic vegetation	Composition	
		Kind of year	Dry weight		Forest	Range
			Lb/acre		Pct	Pct
315:						
Pequop----------	COOL STONY LOAM 12-16" (R021XE187CA)	FAVORABLE	1800	Idaho fescue		50
		NORMAL	1500	antelope bitterbrush		10
		UNFAVORABLE	1100	bluebunch wheatgrass		10
				bluegrass		15
				mountain big sagebrush		5
				needlegrass		10
Observation-----	COOL STONY LOAM 12-16" (R021XE187CA)	FAVORABLE	1800	Idaho fescue		50
		NORMAL	1500	antelope bitterbrush		10
		UNFAVORABLE	1000	bluebunch wheatgrass		10
				bluegrass		15
				mountain big sagebrush		5
				needlegrass		10
316:						
Petescreek------	LOAM 12-16" (R021XE176CA)	FAVORABLE	2200	Idaho fescue		30
		NORMAL	1800	antelope bitterbrush		5
		UNFAVORABLE	1400	bluebunch wheatgrass		30
				mountain big sagebrush		5
				needlegrass		25
Bucklake--------	WARM STONY LOAM 12-16" (R021XE179CA)	FAVORABLE	1800	Thurber needlegrass		15
		NORMAL	1200	antelope bitterbrush		5
		UNFAVORABLE	900	bluebunch wheatgrass		70
				mountain big sagebrush		5
				rabbitbrush		5
Devada----------	SHALLOW STONY LOAM 12-16" (R021XE173CA)	FAVORABLE	1000	Idaho fescue		5
		NORMAL	700	Thurber needlegrass		15
		UNFAVORABLE	500	antelope bitterbrush		5
				bluebunch wheatgrass		40
				bluegrass		10
				low sagebrush		15
317:						
Petescreek------	LOAM 12-16" (R021XE176CA)	FAVORABLE	2200	Idaho fescue		30
		NORMAL	1800	antelope bitterbrush		5
		UNFAVORABLE	1400	bluebunch wheatgrass		30
				mountain big sagebrush		5
				needlegrass		25
Devada----------	SHALLOW STONY LOAM 12-16" (R021XE173CA)	FAVORABLE	1000	Idaho fescue		5
		NORMAL	700	Thurber needlegrass		15
		UNFAVORABLE	500	antelope bitterbrush		5
				bluebunch wheatgrass		40
				bluegrass		10
				low sagebrush		15
Searles---------	WARM STONY LOAM 12-16" (R021XE179CA)	FAVORABLE	1800	Thurber needlegrass		10
		NORMAL	1200	antelope bitterbrush		5
		UNFAVORABLE	900	bluebunch wheatgrass		70
				mountain big sagebrush		5
318:						
Petescreek------	LOAM 12-16" (R021XE176CA)	FAVORABLE	2200	Idaho fescue		30
		NORMAL	1800	antelope bitterbrush		5
		UNFAVORABLE	1400	bluebunch wheatgrass		30
				mountain big sagebrush		5
				needlegrass		25
Devada----------	SHALLOW STONY LOAM 12-16" (R021XE173CA)	FAVORABLE	1000	Idaho fescue		5
		NORMAL	700	Thurber needlegrass		15
		UNFAVORABLE	500	antelope bitterbrush		5
				bluebunch wheatgrass		40
				bluegrass		10
				low sagebrush		15
Searles---------	WARM STONY LOAM 12-16" (R021XE179CA)	FAVORABLE	1800	Thurber needlegrass		10
		NORMAL	1200	antelope bitterbrush		5
		UNFAVORABLE	900	bluebunch wheatgrass		70
				mountain big sagebrush		5

TABLE 7.--RANGELAND PRODUCTIVITY AND CHARACTERISTIC PLANT COMMUNITIES--Continued
Susanville Area, Parts of Lassen and Plumas Counties, California: Detailed Soil Map Legend

Map symbol and soil name	Ecological site	Total production		Characteristic vegetation	Composition	
		Kind of year	Dry weight		Forest	Range
			Lb/acre		Pct	Pct
319:						
Petescreek------	COOL LOAM 12-16" (R021XE044CA)	FAVORABLE	2200	Idaho fescue		50
		NORMAL	1800	antelope bitterbrush		5
		UNFAVORABLE	1400	bluegrass		15
				mountain big sagebrush		5
				needlegrass		10
Fredonyer-------	VERY STONY LOAM 12-16" (R021XE178CA)	FAVORABLE	1500	Idaho fescue		45
		NORMAL	1000	curl-leaf mountain mahogany		30
		UNFAVORABLE	700	mountain big sagebrush		5
320:						
Petescreek------	COOL LOAM 12-16" (R021XE044CA)	FAVORABLE	2200	Idaho fescue		50
		NORMAL	1800	antelope bitterbrush		5
		UNFAVORABLE	1400	bluegrass		15
				mountain big sagebrush		5
				needlegrass		10
Fredonyer-------	VERY STONY LOAM 12-16" (R021XE178CA)	FAVORABLE	1500	Idaho fescue		45
		NORMAL	1000	curl-leaf mountain mahogany		30
		UNFAVORABLE	700	mountain big sagebrush		5
321:						
Petescreek------	STONY LOAM 12-16" (R021XE174CA)	FAVORABLE	1800	Idaho fescue		25
		NORMAL	1400	antelope bitterbrush		10
		UNFAVORABLE	1000	bluebunch wheatgrass		30
				mountain big sagebrush		5
				needlegrass		25
Orhood----------	STONY LOAM 12-16" (R021XE174CA)	FAVORABLE	1800	Idaho fescue		25
		NORMAL	1400	Lemmon needlegrass		5
		UNFAVORABLE	1000	Sandberg bluegrass		5
				Thurber needlegrass		10
				antelope bitterbrush		5
				arrowleaf balsamroot		5
				bluebunch wheatgrass		30
				mountain big sagebrush		5
				rabbitbrush		5
Fredonyer-------	VERY STONY LOAM 12-16" (R021XE178CA)	FAVORABLE	1500	Idaho fescue		45
		NORMAL	1000	curl-leaf mountain mahogany		30
		UNFAVORABLE	700	mountain big sagebrush		5
322:						
Petescreek------	COOL LOAM 12-16" (R021XE044CA)	FAVORABLE	2200	Idaho fescue		50
		NORMAL	1800	antelope bitterbrush		5
		UNFAVORABLE	1400	bluegrass		15
				mountain big sagebrush		5
				needlegrass		10
Searles---------	STONY LOAM 12-16" (R021XE174CA)	FAVORABLE	1800	Idaho fescue		25
		NORMAL	1400	Thurber needlegrass		25
		UNFAVORABLE	1000	antelope bitterbrush		10
				bluebunch wheatgrass		30
				mountain big sagebrush		5
323:						
Petescreek------	COOL LOAM 12-16" (R021XE044CA)	FAVORABLE	2200	Idaho fescue		50
		NORMAL	1800	antelope bitterbrush		5
		UNFAVORABLE	1400	bluegrass		15
				mountain big sagebrush		5
				needlegrass		10
Searles---------	STONY LOAM 12-16" (R021XE174CA)	FAVORABLE	1800	Idaho fescue		25
		NORMAL	1400	Thurber needlegrass		25
		UNFAVORABLE	1000	antelope bitterbrush		10
				bluebunch wheatgrass		30
				mountain big sagebrush		5
Orhood----------	STONY LOAM 12-16" (R021XE174CA)	FAVORABLE	1800	Idaho fescue		25
		NORMAL	1400	Lemmon needlegrass		5
		UNFAVORABLE	1000	Sandberg bluegrass		5
				Thurber needlegrass		10
				antelope bitterbrush		5
				arrowleaf balsamroot		5
				bluebunch wheatgrass		30
				mountain big sagebrush		5
				rabbitbrush		5

TABLE 7.--RANGELAND PRODUCTIVITY AND CHARACTERISTIC PLANT COMMUNITIES--Continued
Susanville Area, Parts of Lassen and Plumas Counties, California: Detailed Soil Map Legend

Map symbol and soil name	Ecological site	Total production		Characteristic vegetation	Composition	
		Kind of year	Dry weight		Forest	Range
			Lb/acre		Pct	Pct
324:						
Pit----------	CLAY FLOODPLAIN 9-16" (R023XF092CA)	FAVORABLE	1400	Nevada bluegrass		75
		NORMAL	1100	beardless wildrye		5
		UNFAVORABLE	800	silver sagebrush		10
				western wheatgrass		5
325:						
Pits----------	---	FAVORABLE	---			
		NORMAL	---			
		UNFAVORABLE	---			
Dumps----------	---	FAVORABLE	---			
		NORMAL	---			
		UNFAVORABLE	---			
326:						
Playas----------	---	FAVORABLE	---			
		NORMAL	---			
		UNFAVORABLE	---			
327:						
Plinco----------	---	FAVORABLE	---			
		NORMAL	---			
		UNFAVORABLE	---			
328:						
Plinco----------	---	FAVORABLE	---			
		NORMAL	---			
		UNFAVORABLE	---			
329:						
Puls----------	SHALLOW STONY LOAM 12-16" (R021XE173CA)	FAVORABLE	1000	Idaho fescue		15
		NORMAL	700	Thurber needlegrass		15
		UNFAVORABLE	500	antelope bitterbrush		5
				bluebunch wheatgrass		40
				bluegrass		10
				low sagebrush		10
330:						
Puls----------	SHALLOW STONY LOAM 12-16" (R021XE173CA)	FAVORABLE	1000	Idaho fescue		15
		NORMAL	700	Thurber needlegrass		15
		UNFAVORABLE	500	antelope bitterbrush		5
				bluebunch wheatgrass		40
				bluegrass		10
				low sagebrush		10
Ninekar----------	SHALLOW STONY LOAM 12-16" (R021XE173CA)	FAVORABLE	1000	Idaho fescue		15
		NORMAL	700	Nevada bluegrass		10
		UNFAVORABLE	500	Thurber needlegrass		15
				antelope bitterbrush		5
				beardless wildrye		5
				bluebunch wheatgrass		40
				low sagebrush		10
331:						
Puls----------	SHALLOW STONY LOAM 12-16" (R021XE173CA)	FAVORABLE	1000	Idaho fescue		15
		NORMAL	700	Thurber needlegrass		15
		UNFAVORABLE	500	antelope bitterbrush		5
				bluebunch wheatgrass		40
				bluegrass		10
				low sagebrush		10
Tunnison--------	SHALLOW CLAY 9-16" (R023XF093CA)	FAVORABLE	900	Thurber needlegrass		10
		NORMAL	700	beardless wildrye		10
		UNFAVORABLE	500	big sagebrush		10
				bottlebrush squirreltail		25
				littleleaf horsebrush		10
				rubber rabbitbrush		10
				western wheatgrass		15
332:						
Quartzburg------	---	FAVORABLE	---			
		NORMAL	---			
		UNFAVORABLE	---			
Scaribou--------	---	FAVORABLE	---	manzanita	5	
		NORMAL	---	mountain brome	5	
		UNFAVORABLE	---	needlegrass	5	
				snowbrush ceanothus	5	
				whitethorn ceanothus	5	

TABLE 7.--RANGELAND PRODUCTIVITY AND CHARACTERISTIC PLANT COMMUNITIES--Continued
Susanville Area, Parts of Lassen and Plumas Counties, California: Detailed Soil Map Legend

Map symbol and soil name	Ecological site	Total production		Characteristic vegetation	Composition	
		Kind of year	Dry weight		Forest	Range
			Lb/acre		Pct	Pct
333:						
Ravendale-------	CLAY FAN 12-16" (R021XE189CA)	FAVORABLE	1400	Nevada bluegrass		75
		NORMAL	1100	basin big sagebrush		5
		UNFAVORABLE	800	beardless wildrye		5
				rubber rabbitbrush		5
				western wheatgrass		5
334:						
Ravendale-------	CLAY FLOODPLAIN 9-16" (R023XF092CA)	FAVORABLE	1400	Nevada bluegrass		75
		NORMAL	1100	beardless wildrye		5
		UNFAVORABLE	800	silver sagebrush		10
				western wheatgrass		5
335:						
Ravendale-------	---	FAVORABLE	---			
		NORMAL	---			
		UNFAVORABLE	---			
336:						
Ravendale-------	SILTY CLAY FLAT 9-12" (R023XF085CA)	FAVORABLE	1000	big sagebrush		25
		NORMAL	700	black greasewood		30
		UNFAVORABLE	400	bottlebrush squirreltail		10
				saltbush		5
				spiny hopsage		15
337:						
Redriver--------	---	FAVORABLE	---	greenleaf manzanita	15	
		NORMAL	---	needlegrass	10	
		UNFAVORABLE	---	serviceberry	5	
				snowberry	5	
				squawcarpet	35	
				whitethorn ceanothus	25	
Gerle-----------	---	FAVORABLE	---	chinkapin	5	
		NORMAL	---	currant	5	
		UNFAVORABLE	---	huckleberry oak	5	
				western brackenfern	5	
				whitethorn ceanothus	5	
338:						
Redriver--------	---	FAVORABLE	---	greenleaf manzanita	15	
		NORMAL	---	needlegrass	10	
		UNFAVORABLE	---	serviceberry	5	
				snowberry	5	
				squawcarpet	35	
				whitethorn ceanothus	25	
Weste-----------	---	FAVORABLE	---	greenleaf manzanita	5	
		NORMAL	---	squawcarpet	5	
		UNFAVORABLE	---	whitethorn ceanothus	5	
339:						
Redriver--------	---	FAVORABLE	---	greenleaf manzanita	15	
		NORMAL	---	needlegrass	10	
		UNFAVORABLE	---	serviceberry	5	
				snowberry	5	
				squawcarpet	35	
				whitethorn ceanothus	25	
Woodwest--------	---	FAVORABLE	---	greenleaf manzanita	25	
		NORMAL	---	needlegrass	10	
		UNFAVORABLE	---	rabbitbrush	10	
				squawcarpet	25	
Wafla-----------	---	FAVORABLE	---	greenleaf manzanita	5	
		NORMAL	---	needlegrass	5	
		UNFAVORABLE	---	rabbitbrush	5	
				squawcarpet	5	
				whitethorn ceanothus	5	
				wildrye	5	

TABLE 7.--RANGELAND PRODUCTIVITY AND CHARACTERISTIC PLANT COMMUNITIES--Continued
Susanville Area, Parts of Lassen and Plumas Counties, California: Detailed Soil Map Legend

Map symbol and soil name	Ecological site	Total production		Characteristic vegetation	Composition	
		Kind of year	Dry weight		Forest	Range
			Lb/acre		Pct	Pct
340:						
Rices	---	FAVORABLE	---			
		NORMAL	---			
		UNFAVORABLE	---			
341:						
Rose Creek	---	FAVORABLE	---			
		NORMAL	---			
		UNFAVORABLE	---			
342:						
Rose Creek	---	FAVORABLE	---			
		NORMAL	---			
		UNFAVORABLE	---			
343:						
Rubble land	---	FAVORABLE	---			
		NORMAL	---			
		UNFAVORABLE	---			
Fiddler	STONY LOAM 12-16" (R021XE174CA)	FAVORABLE	1000	Idaho fescue		15
		NORMAL	800	Nevada bluegrass		10
		UNFAVORABLE	600	Sandberg bluegrass		5
				Thurber needlegrass		5
				antelope bitterbrush		5
				arrowleaf balsamroot		5
				bluebunch wheatgrass		10
				bottlebrush squirreltail		5
				mountain big sagebrush		10
				rabbitbrush		5
344:						
Rubble land	---	FAVORABLE	---			
		NORMAL	---			
		UNFAVORABLE	---			
Longcreek	STONY LOAM 9-12" (R023XF082CA)	FAVORABLE	1200	Thurber needlegrass		15
		NORMAL	900	antelope bitterbrush		5
		UNFAVORABLE	600	basin wildrye		5
				bluebunch wheatgrass		60
				mountain big sagebrush		5
Fivesprings	STONY LOAM 9-12" (R023XF082CA)	FAVORABLE	1200	Thurber needlegrass		15
		NORMAL	900	antelope bitterbrush		5
		UNFAVORABLE	600	basin wildrye		5
				bluebunch wheatgrass		60
				mountain big sagebrush		5
345:						
Rubble land	---	FAVORABLE	---			
		NORMAL	---			
		UNFAVORABLE	---			
Rock outcrop	---	FAVORABLE	---			
		NORMAL	---			
		UNFAVORABLE	---			
346:						
Rubble land	---	FAVORABLE	---			
		NORMAL	---			
		UNFAVORABLE	---			
Weste	---	FAVORABLE	---	greenleaf manzanita	5	
		NORMAL	---	squawcarpet	5	
		UNFAVORABLE	---	whitethorn ceanothus	5	

TABLE 7.--RANGELAND PRODUCTIVITY AND CHARACTERISTIC PLANT COMMUNITIES--Continued
Susanville Area, Parts of Lassen and Plumas Counties, California: Detailed Soil Map Legend

Map symbol and soil name	Ecological site	Total production		Characteristic vegetation	Composition	
		Kind of year	Dry weight		Forest	Range
			Lb/acre		Pct	Pct
347:						
Saddlerock------	---	FAVORABLE	---			
		NORMAL	---			
		UNFAVORABLE	---			
348:						
Saddlerock------	---	FAVORABLE	---			
		NORMAL	---			
		UNFAVORABLE	---			
349:						
Saddlerock------	LOAMY BOTTOM 9-16" (R023XF088CA)	FAVORABLE	6000	basin big sagebrush		5
		NORMAL	4500	basin wildrye		60
		UNFAVORABLE	2000			
350:						
Saddlerock------	---	FAVORABLE	---			
		NORMAL	---			
		UNFAVORABLE	---			
Yobe------------	SALINE-SODIC SUBIRRIGATED 6-16" (R023XG058CA)	FAVORABLE	2400	alkaligrass		10
		NORMAL	1700	basin wildrye		5
		UNFAVORABLE	1000	black greasewood		30
				bluegrass		10
				inland saltgrass		25
				rush		5
				western wheatgrass		5
Termo-----------	SODIC FLAT 9-12" (R023XF089CA)	FAVORABLE	900	Sandberg bluegrass		5
		NORMAL	700	basin wildrye		15
		UNFAVORABLE	600	big sagebrush		25
				black greasewood		25
				bottlebrush squirreltail		5
				rubber rabbitbrush		5
				shadscale		5
				spiny hopsage		5
351:						
Said------------	---	FAVORABLE	---	Columbia needlegrass	5	
		NORMAL	---	Idaho fescue	5	
		UNFAVORABLE	---	manzanita	25	
				mountain big sagebrush	10	
				snowberry	10	
				squawcarpet	10	
				whitethorn ceanothus	15	
352:						
Said------------	---	FAVORABLE	---	Columbia needlegrass	5	
		NORMAL	---	Idaho fescue	5	
		UNFAVORABLE	---	manzanita	25	
				mountain big sagebrush	10	
				snowberry	10	
				squawcarpet	10	
				whitethorn ceanothus	15	
Fraval----------	---	FAVORABLE	---	Columbia needlegrass	5	
		NORMAL	---	Idaho fescue	30	
		UNFAVORABLE	---	bottlebrush squirreltail	5	
				curl-leaf mountain mahogany	5	
				mountain big sagebrush	35	
				sedge	5	
353:						
Said------------	---	FAVORABLE	---	Columbia needlegrass	5	
		NORMAL	---	Idaho fescue	5	
		UNFAVORABLE	---	manzanita	25	
				mountain big sagebrush	10	
				snowberry	10	
				squawcarpet	10	
				whitethorn ceanothus	15	
Ninemile--------	SHALLOW STONY LOAM 12-16" (R021XE173CA)	FAVORABLE	1000	Idaho fescue		35
		NORMAL	700	Thurber needlegrass		5
		UNFAVORABLE	400	antelope bitterbrush		5
				balsamroot		5
				bluebunch wheatgrass		15
				bluegrass		10
				bottlebrush squirreltail		5
				low sagebrush		20

TABLE 7.--RANGELAND PRODUCTIVITY AND CHARACTERISTIC PLANT COMMUNITIES--Continued
Susanville Area, Parts of Lassen and Plumas Counties, California: Detailed Soil Map Legend

Map symbol and soil name	Ecological site	Total production		Characteristic vegetation	Composition	
		Kind of year	Dry weight		Forest	Range
			Lb/acre		Pct	Pct
354:						
Scaribou--------	---	FAVORABLE	---	manzanita	5	
		NORMAL	---	mountain brome	5	
		UNFAVORABLE	---	needlegrass	5	
				snowbrush ceanothus	5	
				whitethorn ceanothus	5	
355:						
Scaribou--------	---	FAVORABLE	---	manzanita	5	
		NORMAL	---	mountain brome	5	
		UNFAVORABLE	---	needlegrass	5	
				snowbrush ceanothus	5	
				whitethorn ceanothus	5	
Penstock--------	---	FAVORABLE	---	manzanita	5	
		NORMAL	---	mountain brome	5	
		UNFAVORABLE	---	needlegrass	5	
				snowbrush ceanothus	5	
				whitethorn ceanothus	5	
Rock outcrop----	---	FAVORABLE	---			
		NORMAL	---			
		UNFAVORABLE	---			
356:						
Searles---------	LOAM 12-16" (R021XE176CA)	FAVORABLE	2200	Idaho fescue		30
		NORMAL	1800	antelope bitterbrush		5
		UNFAVORABLE	1400	bluebunch wheatgrass		30
				needlegrass		25
Devada----------	SHALLOW STONY LOAM 12-16" (R021XE173CA)	FAVORABLE	1000	Idaho fescue		5
		NORMAL	700	Thurber needlegrass		15
		UNFAVORABLE	500	antelope bitterbrush		5
				bluebunch wheatgrass		40
				bluegrass		10
				low sagebrush		15
Fivesprings-----	WARM STONY LOAM 12-16" (R021XE179CA)	FAVORABLE	1800	Thurber needlegrass		15
		NORMAL	1200	antelope bitterbrush		5
		UNFAVORABLE	900	bluebunch wheatgrass		70
				mountain big sagebrush		5
357:						
Searles---------	WARM STONY LOAM 12-16" (R021XE179CA)	FAVORABLE	1800	Thurber needlegrass		10
		NORMAL	1200	antelope bitterbrush		5
		UNFAVORABLE	900	bluebunch wheatgrass		70
				mountain big sagebrush		5
Devada----------	SHALLOW STONY LOAM 9-12" (R023XF081CA)	FAVORABLE	900	Thurber needlegrass		15
		NORMAL	700	bluebunch wheatgrass		30
		UNFAVORABLE	500	bluegrass		10
				low sagebrush		20
Rubble land-----	---	FAVORABLE	---			
		NORMAL	---			
		UNFAVORABLE	---			
358:						
Searles---------	WARM STONY LOAM 12-16" (R021XE179CA)	FAVORABLE	1800	Thurber needlegrass		10
		NORMAL	1200	antelope bitterbrush		5
		UNFAVORABLE	900	bluebunch wheatgrass		70
				mountain big sagebrush		5
Glean-----------	LOAM 12-16" (R021XE176CA)	FAVORABLE	2000	Idaho fescue		30
		NORMAL	1800	antelope bitterbrush		5
		UNFAVORABLE	1400	bluebunch wheatgrass		30
				mountain big sagebrush		5
				needlegrass		25
359:						
Searles---------	WARM STONY LOAM 12-16" (R021XE179CA)	FAVORABLE	1800	Thurber needlegrass		10
		NORMAL	1200	antelope bitterbrush		5
		UNFAVORABLE	900	bluebunch wheatgrass		70
				mountain big sagebrush		5
Glean-----------	LOAM 12-16" (R021XE176CA)	FAVORABLE	2000	Idaho fescue		30
		NORMAL	1800	antelope bitterbrush		5
		UNFAVORABLE	1400	bluebunch wheatgrass		30
				mountain big sagebrush		5
				needlegrass		25

TABLE 7.--RANGELAND PRODUCTIVITY AND CHARACTERISTIC PLANT COMMUNITIES--Continued
Susanville Area, Parts of Lassen and Plumas Counties, California: Detailed Soil Map Legend

Map symbol and soil name	Ecological site	Total production		Characteristic vegetation	Composition	
		Kind of year	Dry weight		Forest	Range
			Lb/acre		Pct	Pct
360:						
Searles----------	WARM STONY LOAM 12-16" (R021XE179CA)	FAVORABLE	1800	Thurber needlegrass		10
		NORMAL	1200	antelope bitterbrush		5
		UNFAVORABLE	900	bluebunch wheatgrass		70
				mountain big sagebrush		5
Orhood----------	STONY LOAM 12-16" (R021XE174CA)	FAVORABLE	1800	Idaho fescue		25
		NORMAL	1400	Lemmon needlegrass		5
		UNFAVORABLE	1000	Sandberg bluegrass		5
				Thurber needlegrass		10
				antelope bitterbrush		5
				arrowleaf balsamroot		5
				bluebunch wheatgrass		30
				mountain big sagebrush		5
				rabbitbrush		5
Devada----------	SHALLOW STONY LOAM 9-12" (R023XF081CA)	FAVORABLE	900	Thurber needlegrass		15
		NORMAL	700	bluebunch wheatgrass		30
		UNFAVORABLE	500	bluegrass		10
				low sagebrush		20
361:						
Shinnpeak-------	VERY SHALLOW STONY LOAM 9-12" (R023XF087CA)	FAVORABLE	600	Sandberg bluegrass		5
		NORMAL	400	Thurber needlegrass		20
		UNFAVORABLE	200	black sagebrush		40
				bluebunch wheatgrass		35
				bottlebrush squirreltail		5
				other perennial forbs		5
				other perennial grasses		10
				other shrubs		5
362:						
Smocreek--------	---	FAVORABLE	---			
		NORMAL	---			
		UNFAVORABLE	---			
363:						
Smocreek--------	LOAMY BOTTOM 9-16" (R023XF088CA)	FAVORABLE	6000	basin big sagebrush		5
		NORMAL	4500	basin wildrye		60
		UNFAVORABLE	2000			
364:						
Southpac--------	---	FAVORABLE	---	antelope bitterbrush	50	
		NORMAL	---	deltoid balsamroot	5	
		UNFAVORABLE	---	squawcarpet	25	
				wooly wyethia	5	
365:						
Springmeyer-----	LOAMY TERRACE 12-16" (R021XE186CA)	FAVORABLE	2000	Thurber needlegrass		20
		NORMAL	1500	antelope bitterbrush		5
		UNFAVORABLE	1000	basin wildrye		50
				big sagebrush		15
				bottlebrush squirreltail		5
				other annual forbs		5
				other perennial forbs		5
				other perennial grasses		5
				other shrubs		5
				yellow rabbitbrush		5

TABLE 7.--RANGELAND PRODUCTIVITY AND CHARACTERISTIC PLANT COMMUNITIES--Continued
Susanville Area, Parts of Lassen and Plumas Counties, California: Detailed Soil Map Legend

Map symbol and soil name	Ecological site	Total production		Characteristic vegetation	Composition	
		Kind of year	Dry weight		Forest	Range
			Lb/acre		Pct	Pct
366:						
Springmeyer-----	---	FAVORABLE	---			
		NORMAL	---			
		UNFAVORABLE	---			
367:						
Stacy-----------	LOAMY BOTTOM 6-9" (R023XG051CA)	FAVORABLE	2500	basin big sagebrush		10
		NORMAL	2000	basin wildrye		65
		UNFAVORABLE	1500	black greasewood		10
368:						
Standish--------	SALINE-SODIC LOAM 6-12" (R023XG059CA)	FAVORABLE	1100	basin big sagebrush		5
		NORMAL	900	basin wildrye		55
		UNFAVORABLE	600	black greasewood		5
				inland saltgrass		15
				rabbitbrush		10
369:						
Stiles----------	SODIC LOAM 6-9" (R023XG048CA)	FAVORABLE	1100	basin big sagebrush		10
		NORMAL	900	basin wildrye		65
		UNFAVORABLE	600	black greasewood		10
				bottlebrush squirreltail		5
370:						
Sumine----------	WARM STONY LOAM 12-16" (R021XE179CA)	FAVORABLE	1000	Idaho fescue		5
		NORMAL	800	Thurber needlegrass		5
		UNFAVORABLE	600	antelope bitterbrush		10
				basin wildrye		5
				bluebunch wheatgrass		30
				mountain big sagebrush		10
Softscrabble----	LOAM 12-16" (R021XE176CA)	FAVORABLE	1500	Idaho fescue		35
		NORMAL	1000	Thurber needlegrass		5
		UNFAVORABLE	800	antelope bitterbrush		10
				basin wildrye		5
				bluebunch wheatgrass		20
				mountain big sagebrush		15
				snowberry		5
				western needlegrass		5
Hutchley--------	MOUNTAIN RIDGES 12-16" (R021XE191CA)	FAVORABLE	750	Nevada bluegrass		10
		NORMAL	600	Sandberg bluegrass		5
		UNFAVORABLE	350	arrowleaf balsamroot		5
				bluebunch wheatgrass		35
				bottlebrush squirreltail		5
				longleaf hawksbeard		5
				low sagebrush		15
				lupine		5
				other perennial forbs		5
				other perennial grasses		5
				other shrubs		5
371:						
Susanville------	LOAMY BOTTOM 6-9" (R023XG051CA)	FAVORABLE	2500	basin big sagebrush		10
		NORMAL	2000	basin wildrye		65
		UNFAVORABLE	1500	black greasewood		10
372:						
Susanville------	---	FAVORABLE	---			
		NORMAL	---			
		UNFAVORABLE	---			
Smocreek--------	---	FAVORABLE	---			
		NORMAL	---			
		UNFAVORABLE	---			

TABLE 7.--RANGELAND PRODUCTIVITY AND CHARACTERISTIC PLANT COMMUNITIES--Continued
Susanville Area, Parts of Lassen and Plumas Counties, California: Detailed Soil Map Legend

Map symbol and soil name	Ecological site	Total production		Characteristic vegetation	Composition	
		Kind of year	Dry weight		Forest	Range
			Lb/acre		Pct	Pct
373:						
Swainow---------	---	FAVORABLE	---	manzanita	5	
		NORMAL	---	mountain brome	5	
		UNFAVORABLE	---	needlegrass	5	
				snowbrush ceanothus	5	
				whitethorn ceanothus	5	
Almanor---------	---	FAVORABLE	---	greenleaf manzanita	5	
		NORMAL	---	pipsissewa	5	
		UNFAVORABLE	---	sedge	5	
				serviceberry	5	
				snowberry	5	
				squawcarpet	5	
				swamp carex	5	
				whitethorn ceanothus	5	
Tahand----------	---	FAVORABLE	---	manzanita	5	
		NORMAL	---	mountain brome	5	
		UNFAVORABLE	---	needlegrass	5	
				snowbrush ceanothus	5	
				whitethorn ceanothus	5	
374:						
Swainow---------	---	FAVORABLE	---	manzanita	5	
		NORMAL	---	mountain brome	5	
		UNFAVORABLE	---	needlegrass	5	
				snowbrush ceanothus	5	
				whitethorn ceanothus	5	
Almanor---------	---	FAVORABLE	---	greenleaf manzanita	5	
		NORMAL	---	pipsissewa	5	
		UNFAVORABLE	---	sedge	5	
				serviceberry	5	
				snowberry	5	
				squawcarpet	5	
				swamp carex	5	
				whitethorn ceanothus	5	
375:						
Swainow---------	---	FAVORABLE	---	manzanita	5	
		NORMAL	---	mountain brome	5	
		UNFAVORABLE	---	needlegrass	5	
				snowbrush ceanothus	5	
				whitethorn ceanothus	5	
Redriver--------	---	FAVORABLE	---	greenleaf manzanita	15	
		NORMAL	---	needlegrass	10	
		UNFAVORABLE	---	serviceberry	5	
				snowberry	5	
				squawcarpet	35	
				whitethorn ceanothus	25	
376:						
Swainow---------	---	FAVORABLE	---			
		NORMAL	---			
		UNFAVORABLE	---			
Tahand----------	---	FAVORABLE	---			
		NORMAL	---			
		UNFAVORABLE	---			
377:						
Tahand----------	---	FAVORABLE	---	manzanita	5	
		NORMAL	---	mountain brome	5	
		UNFAVORABLE	---	needlegrass	5	
				snowbrush ceanothus	5	
				whitethorn ceanothus	5	
Baileycreek-----	---	FAVORABLE	---	manzanita	5	
		NORMAL	---	mountain brome	5	
		UNFAVORABLE	---	needlegrass	5	
				snowbrush ceanothus	5	
				whitethorn ceanothus	5	

TABLE 7.--RANGELAND PRODUCTIVITY AND CHARACTERISTIC PLANT COMMUNITIES--Continued
Susanville Area, Parts of Lassen and Plumas Counties, California: Detailed Soil Map Legend

Map symbol and soil name	Ecological site	Total production		Characteristic vegetation	Composition	
		Kind of year	Dry weight		Forest	Range
			Lb/acre		Pct	Pct
378:						
Tahand----------	---	FAVORABLE	---	manzanita	5	
		NORMAL	---	mountain brome	5	
		UNFAVORABLE	---	needlegrass	5	
				snowbrush ceanothus	5	
				whitethorn ceanothus	5	
Swainow---------	---	FAVORABLE	---	manzanita	5	
		NORMAL	---	mountain brome	5	
		UNFAVORABLE	---	needlegrass	5	
				snowbrush ceanothus	5	
				whitethorn ceanothus	5	
Almanor---------	---	FAVORABLE	---	greenleaf manzanita	5	
		NORMAL	---	pipsissewa	5	
		UNFAVORABLE	---	sedge	5	
				serviceberry	5	
				snowberry	5	
				squawcarpet	5	
				swamp carex	5	
				whitethorn ceanothus	5	
379:						
Termo-----------	SILTY CLAY FLAT 9-12" (R023XF085CA)	FAVORABLE	1000	Nevada bluegrass		5
		NORMAL	700	big sagebrush		25
		UNFAVORABLE	400	black greasewood		30
				bottlebrush squirreltail		10
				saltbush		5
				spiny hopsage		15
Biscaro---------	SODIC FLAT 9-12" (R023XF089CA)	FAVORABLE	900	Sandberg bluegrass		5
		NORMAL	700	basin wildrye		15
		UNFAVORABLE	600	big sagebrush		25
				black greasewood		25
				bottlebrush squirreltail		5
				rubber rabbitbrush		5
				shadscale		5
				spiny hopsage		5
380:						
Termo-----------	SILTY SODIC FLAT 12-16" (R021XE192CA)	FAVORABLE	1000	Nevada bluegrass		35
		NORMAL	800	basin wildrye		35
		UNFAVORABLE	600	big sagebrush		5
				black greasewood		5
				rubber rabbitbrush		5
				spiny hopsage		5
Playas----------	---	FAVORABLE	---			
		NORMAL	---			
		UNFAVORABLE	---			
381:						
Termo-----------	SODIC FLAT 9-12" (R023XF089CA)	FAVORABLE	900	Sandberg bluegrass		5
		NORMAL	700	basin wildrye		15
		UNFAVORABLE	600	big sagebrush		25
				black greasewood		25
				bottlebrush squirreltail		5
				rubber rabbitbrush		5
				shadscale		5
				spiny hopsage		5
Springmeyer-----	LOAMY UPLAND 9-12" (R023XF091CA)	FAVORABLE	1200	Thurber needlegrass		15
		NORMAL	900	basin wildrye		30
		UNFAVORABLE	600	big sagebrush		10
				needleandthread		15
Smocreek--------	---	FAVORABLE	---			
		NORMAL	---			
		UNFAVORABLE	---			

TABLE 7.--RANGELAND PRODUCTIVITY AND CHARACTERISTIC PLANT COMMUNITIES--Continued
Susanville Area, Parts of Lassen and Plumas Counties, California: Detailed Soil Map Legend

Map symbol and soil name	Ecological site	Total production		Characteristic vegetation	Composition	
		Kind of year	Dry weight		Forest	Range
			Lb/acre		Pct	Pct
382:						
Toiyabe	---	FAVORABLE	---	Nevada bluegrass	5	
		NORMAL	---	Thurber needlegrass	5	
		UNFAVORABLE	---	antelope bitterbrush	5	
				big sagebrush	5	
				bottlebrush squirreltail	5	
				other perennial forbs	5	
				other perennial grasses	5	
				other shrubs	5	
				penstemon	5	
				pointleaf manzanita	5	
				snowberry	5	
				snowbrush ceanothus	5	
Lasco	---	FAVORABLE	---	manzanita	5	
		NORMAL	---	mountain brome	5	
		UNFAVORABLE	---	needlegrass	5	
				snowbrush ceanothus	5	
				whitethorn ceanothus	5	
Quartzburg	---	FAVORABLE	---			
		NORMAL	---			
		UNFAVORABLE	---			
383:						
Toiyabe	---	FAVORABLE	---	Nevada bluegrass	5	
		NORMAL	---	Thurber needlegrass	5	
		UNFAVORABLE	---	antelope bitterbrush	5	
				big sagebrush	5	
				bottlebrush squirreltail	5	
				other perennial forbs	5	
				other perennial grasses	5	
				other shrubs	5	
				penstemon	5	
				pointleaf manzanita	5	
				snowberry	5	
				snowbrush ceanothus	5	
Lasco	---	FAVORABLE	---	manzanita	5	
		NORMAL	---	mountain brome	5	
		UNFAVORABLE	---	needlegrass	5	
				snowbrush ceanothus	5	
				whitethorn ceanothus	5	
384:						
Torriorthents	---	FAVORABLE	---			
		NORMAL	---			
		UNFAVORABLE	---			
Zorravista	SAND DUNES 6-9" (R023XG049CA)	FAVORABLE	1100	Indian ricegrass		35
		NORMAL	700	basin big sagebrush		10
		UNFAVORABLE	600	basin wildrye		10
				black greasewood		5
				fourwing saltbush		10
				littleleaf horsebrush		5
				needleandthread		10
				rubber rabbitbrush		10
				spiny hopsage		5
385:						
Truax	SANDY LOAM FAN 12-16" (R021XE180CA)	FAVORABLE	1800	Idaho fescue		40
		NORMAL	1500	antelope bitterbrush		5
		UNFAVORABLE	1000	beardless wildrye		10
				mountain big sagebrush		10
				needleandthread		20
386:						
Truckee	---	FAVORABLE	---			
		NORMAL	---			
		UNFAVORABLE	---			
387:						
Truckee	---	FAVORABLE	---			
		NORMAL	---			
		UNFAVORABLE	---			
Humboldt	---	FAVORABLE	---			
		NORMAL	---			
		UNFAVORABLE	---			

TABLE 7.--RANGELAND PRODUCTIVITY AND CHARACTERISTIC PLANT COMMUNITIES--Continued
Susanville Area, Parts of Lassen and Plumas Counties, California: Detailed Soil Map Legend

Map symbol and soil name	Ecological site	Total production		Characteristic vegetation	Composition	
		Kind of year	Dry weight		Forest	Range
			Lb/acre		Pct	Pct
388:						
Tunnison--------	SHALLOW CLAY 9-16" (R023XF093CA)	FAVORABLE	900	Thurber needlegrass		10
		NORMAL	700	beardless wildrye		10
		UNFAVORABLE	500	big sagebrush		10
				bottlebrush squirreltail		25
				littleleaf horsebrush		10
				rubber rabbitbrush		10
				western wheatgrass		15
389:						
Tunnison--------	SHALLOW CLAY 9-16" (R023XF093CA)	FAVORABLE	900	Thurber needlegrass		10
		NORMAL	700	beardless wildrye		10
		UNFAVORABLE	500	big sagebrush		10
				bottlebrush squirreltail		25
				littleleaf horsebrush		10
				rubber rabbitbrush		10
				western wheatgrass		15
Devada----------	SHALLOW STONY LOAM 9-12" (R023XF081CA)	FAVORABLE	900	Thurber needlegrass		15
		NORMAL	700	bluebunch wheatgrass		30
		UNFAVORABLE	500	bluegrass		10
				low sagebrush		20
390:						
Tunnison--------	SHALLOW CLAY 9-16" (R023XF093CA)	FAVORABLE	900	Thurber needlegrass		10
		NORMAL	700	beardless wildrye		10
		UNFAVORABLE	500	big sagebrush		10
				bottlebrush squirreltail		25
				littleleaf horsebrush		10
				rubber rabbitbrush		10
				western wheatgrass		15
Devada----------	SHALLOW STONY LOAM 12-16" (R021XE173CA)	FAVORABLE	1000	Idaho fescue		5
		NORMAL	700	Thurber needlegrass		15
		UNFAVORABLE	500	antelope bitterbrush		5
				bluebunch wheatgrass		40
				bluegrass		10
				low sagebrush		15
391:						
Ulhalf----------	---	FAVORABLE	---	greenleaf manzanita	5	
		NORMAL	---	mountain brome	10	
		UNFAVORABLE	---	needlegrass	10	
				snowbrush ceanothus	5	
				whitethorn ceanothus	10	
392:						
Ulhalf----------	---	FAVORABLE	---	greenleaf manzanita	5	
		NORMAL	---	mountain brome	10	
		UNFAVORABLE	---	needlegrass	10	
				snowbrush ceanothus	5	
				whitethorn ceanothus	10	
393:						
Ulhalf----------	---	FAVORABLE	---	Idaho fescue	5	
		NORMAL	---	antelope bitterbrush	5	
		UNFAVORABLE	---	mountain big sagebrush	5	
Gavel-----------	---	FAVORABLE	---	Columbia needlegrass	5	
		NORMAL	---	Idaho fescue	30	
		UNFAVORABLE	---	bottlebrush squirreltail	5	
				curl-leaf mountain mahogany	5	
				mountain big sagebrush	35	
				sedge	5	
394:						
Ulhalf----------	---	FAVORABLE	---	bitterbrush	5	
		NORMAL	---	mountain brome	5	
		UNFAVORABLE	---	needlegrass	5	
Southpac--------	---	FAVORABLE	---	antelope bitterbrush	50	
		NORMAL	---	deltoid balsamroot	5	
		UNFAVORABLE	---	squawcarpet	25	
				wooly wyethia	5	

TABLE 7.--RANGELAND PRODUCTIVITY AND CHARACTERISTIC PLANT COMMUNITIES--Continued
Susanville Area, Parts of Lassen and Plumas Counties, California: Detailed Soil Map Legend

Map symbol and soil name	Ecological site	Total production		Characteristic vegetation	Composition	
		Kind of year	Dry weight		Forest	Range
			Lb/acre		Pct	Pct
395:						
Verdico	SHALLOW STONY CLAY LOAM 9-12" (R023XF083CA)	FAVORABLE	800	Indian ricegrass		5
		NORMAL	500	Lahontan sagebrush		30
		UNFAVORABLE	300	Thurber needlegrass		40
				Webber needlegrass		5
				spiny hopsage		5
Chalco	SHALLOW STONY CLAY LOAM 9-12" (R023XF083CA)	FAVORABLE	800	Indian ricegrass		5
		NORMAL	500	Lahontan sagebrush		30
		UNFAVORABLE	300	Thurber needlegrass		40
				Webber needlegrass		5
				spiny hopsage		5
396:						
Wespac	SODIC SHALLOW SAND 6-9" (R023XG052CA)	FAVORABLE	900	Indian ricegrass		15
		NORMAL	700	basin big sagebrush		15
		UNFAVORABLE	400	basin wildrye		15
				bottlebrush squirreltail		15
				needleandthread		15
397:						
Wespac	SODIC LOAM 6-9" (R023XG048CA)	FAVORABLE	1100	basin big sagebrush		10
		NORMAL	900	basin wildrye		65
		UNFAVORABLE	600	black greasewood		10
				bottlebrush squirreltail		5
Playas	---	FAVORABLE	---			
		NORMAL	---			
		UNFAVORABLE	---			
398:						
Weste	---	FAVORABLE	---	greenleaf manzanita	5	
		NORMAL	---	squawcarpet	5	
		UNFAVORABLE	---	whitethorn ceanothus	5	
Baileycreek	---	FAVORABLE	---	manzanita	5	
		NORMAL	---	mountain brome	5	
		UNFAVORABLE	---	needlegrass	5	
				snowbrush ceanothus	5	
				whitethorn ceanothus	5	
Tahand	---	FAVORABLE	---	manzanita	5	
		NORMAL	---	mountain brome	5	
		UNFAVORABLE	---	needlegrass	5	
				snowbrush ceanothus	5	
				whitethorn ceanothus	5	
399:						
Weste	---	FAVORABLE	---	greenleaf manzanita	5	
		NORMAL	---	squawcarpet	5	
		UNFAVORABLE	---	whitethorn ceanothus	5	
Rock outcrop	---	FAVORABLE	---			
		NORMAL	---			
		UNFAVORABLE	---			
400:						
Whitinger	STONY LOAM 12-16" (R021XE174CA)	FAVORABLE	1800	Idaho fescue		25
		NORMAL	1400	antelope bitterbrush		10
		UNFAVORABLE	1000	bluebunch wheatgrass		30
				mountain big sagebrush		15
				needlegrass		25
Devada	SHALLOW STONY LOAM 12-16" (R021XE173CA)	FAVORABLE	1000	Idaho fescue		5
		NORMAL	700	Thurber needlegrass		15
		UNFAVORABLE	500	antelope bitterbrush		5
				bluebunch wheatgrass		40
				bluegrass		10
				low sagebrush		15

TABLE 7.--RANGELAND PRODUCTIVITY AND CHARACTERISTIC PLANT COMMUNITIES--Continued
Susanville Area, Parts of Lassen and Plumas Counties, California: Detailed Soil Map Legend

Map symbol and soil name	Ecological site	Total production		Characteristic vegetation	Composition	
		Kind of year	Dry weight		Forest	Range
			Lb/acre		Pct	Pct
401:						
Whorled---	---	FAVORABLE	---	needlegrass	10	
		NORMAL	---	sedge	10	
		UNFAVORABLE	---	serviceberry	5	
				snowberry	5	
				squawcarpet	10	
				whitethorn ceanothus	15	
				wildrye	10	
Almanor---	---	FAVORABLE	---	greenleaf manzanita	5	
		NORMAL	---	pipsissewa	5	
		UNFAVORABLE	---	sedge	5	
				serviceberry	5	
				snowberry	5	
				squawcarpet	5	
				swamp carex	5	
				whitethorn ceanothus	5	
402:						
Wylo---	SHALLOW STONY CLAY LOAM 9-12" (R023XF083CA)	FAVORABLE	800	Lahontan sagebrush		30
		NORMAL	600	Thurber needlegrass		15
		UNFAVORABLE	400	bluebunch wheatgrass		50
Bucklake---	STONY LOAM 9-12" (R023XF082CA)	FAVORABLE	1200	Thurber needlegrass		15
		NORMAL	900	antelope bitterbrush		5
		UNFAVORABLE	600	basin wildrye		5
				bluebunch wheatgrass		60
				mountain big sagebrush		5
				rabbitbrush		5
403:						
Wylo---	SHALLOW STONY CLAY LOAM 9-12" (R023XF083CA)	FAVORABLE	800	Lahontan sagebrush		30
		NORMAL	600	Thurber needlegrass		15
		UNFAVORABLE	400	bluebunch wheatgrass		50
Diaz---	STONY LOAM 6-9" (R023XG053CA)	FAVORABLE	800	Indian ricegrass		5
		NORMAL	600	Thurber needlegrass		20
		UNFAVORABLE	400	big sagebrush		15
				bluebunch wheatgrass		5
				bottlebrush squirreltail		5
				desert needlegrass		20
				green ephedra		5
				littleleaf horsebrush		10
Brubeck---	CLAY UPLAND 9-16" (R023XF084CA)	FAVORABLE	900	Thurber needlegrass		10
		NORMAL	700	beardless wildrye		10
		UNFAVORABLE	500	big sagebrush		5
				bottlebrush squirreltail		25
				littleleaf horsebrush		10
				rubber rabbitbrush		10
				western wheatgrass		15
404:						
Wylo---	SHALLOW STONY CLAY LOAM 9-12" (R023XF083CA)	FAVORABLE	800	Lahontan sagebrush		30
		NORMAL	600	Thurber needlegrass		15
		UNFAVORABLE	400	bluebunch wheatgrass		50
Pickup---	SHALLOW STONY CLAY LOAM 9-12" (R023XF083CA)	FAVORABLE	500	Lahontan sagebrush		30
		NORMAL	400	Thurber needlegrass		10
		UNFAVORABLE	300	bluebunch wheatgrass		50
Bucklake---	STONY LOAM 9-12" (R023XF082CA)	FAVORABLE	1200	Thurber needlegrass		15
		NORMAL	900	antelope bitterbrush		5
		UNFAVORABLE	600	basin wildrye		5
				bluebunch wheatgrass		60
				mountain big sagebrush		5
				rabbitbrush		5
405:						
Xerolls---	---	FAVORABLE	---			
		NORMAL	---			
		UNFAVORABLE	---			
Aquolls---	---	FAVORABLE	---			
		NORMAL	---			
		UNFAVORABLE	---			

TABLE 7.--RANGELAND PRODUCTIVITY AND CHARACTERISTIC PLANT COMMUNITIES--Continued
Susanville Area, Parts of Lassen and Plumas Counties, California: Detailed Soil Map Legend

Map symbol and soil name	Ecological site	Total production		Characteristic vegetation	Composition	
		Kind of year	Dry weight		Forest	Range
			Lb/acre		Pct	Pct
406:						
Yobe	SALINE-SODIC SUBIRRIGATED 6-16" (R023XG058CA)	FAVORABLE	2400	alkaligrass		10
		NORMAL	1700	basin wildrye		5
		UNFAVORABLE	1000	black greasewood		30
				bluegrass		10
				inland saltgrass		25
				rush		5
				western wheatgrass		5
407:						
Zorravista	SANDY TERRACE 6-9" (R023XG054CA)	FAVORABLE	1100	Indian ricegrass		30
		NORMAL	700	basin big sagebrush		5
		UNFAVORABLE	500	basin wildrye		5
				black greasewood		10
				littleleaf horsebrush		5
				needleandthread		30
408:						
Zorravista	SAND DUNES 6-9" (R023XG049CA)	FAVORABLE	1100	Indian ricegrass		35
		NORMAL	700	basin big sagebrush		10
		UNFAVORABLE	600	basin wildrye		10
				black greasewood		5
				fourwing saltbush		10
				littleleaf horsebrush		5
				needleandthread		10
				rubber rabbitbrush		10
				spiny hopsage		5
409:						
Water	---	FAVORABLE	---			
		NORMAL	---			
		UNFAVORABLE	---			

TABLE 8.--FOREST PRODUCTIVITY

Map symbol and soil name	Potential productivity			Trees to manage
	Common trees	Site index	Volume of wood fiber	
			cu ft/ac	
101:				
Almanor	incense cedar	---	0	Jeffrey pine, sugar pine, white fir
	Jeffrey pine	83	72	
	sugar pine	---	0	
	white fir	61	129	
Whorled	Jeffrey pine	---	0	Jeffrey pine, white fir
	white fir	60	129	
Inville	Jeffrey pine	90	86	Jeffrey pine
	lodgepole pine	---	0	
	ponderosa pine	---	0	
Tahand	Jeffrey pine	107	114	Jeffrey pine, white fir
	white fir	60	129	
111:				
Baileycreek	Jeffrey pine	112	129	Jeffrey pine, white fir
	white fir	---	0	
Weste	Jeffrey pine	101	100	Jeffrey pine, white fir
	sugar pine	---	0	
	white fir	53	100	
Inville	Jeffrey pine	90	86	Jeffrey pine
	lodgepole pine	---	0	
	ponderosa pine	---	0	
Weste	Jeffrey pine	101	100	Jeffrey pine, white fir
	sugar pine	---	0	
	white fir	53	100	
Baileycreek	Jeffrey pine	112	129	Jeffrey pine, white fir
	white fir	---	0	
112:				
Baileycreek	Jeffrey pine	112	129	Jeffrey pine
	white fir	---	0	
Weste	Jeffrey pine	101	100	Jeffrey pine, white fir
	sugar pine	---	0	
	white fir	53	100	
Swainow	Jeffrey pine	102	100	Jeffrey pine, white fir
	ponderosa pine	---	0	
	white fir	64	143	
Rock outcrop	---	---	---	---
Weste	Jeffrey pine	101	100	Jeffrey pine, white fir
	sugar pine	---	0	
	white fir	53	100	
Baileycreek	Jeffrey pine	112	129	Jeffrey pine
	white fir	---	0	
113:				
Baileycreek	Jeffrey pine	112	129	Jeffrey pine, white fir
	white fir	---	0	
Weste	Jeffrey pine	101	100	Jeffrey pine, white fir
	sugar pine	---	0	
	white fir	53	100	
Rubble land	---	---	---	---
Rock outcrop	---	---	---	---

TABLE 8.--FOREST PRODUCTIVITY--Continued

Map symbol and soil name	Potential productivity			Trees to manage
	Common trees	Site index	Volume of wood fiber	
			cu ft/ac	
Swainow	Jeffrey pine	102	100	Jeffrey pine, white fir
	ponderosa pine	---	0	
	white fir	64	143	
124:				
Bonta	California black oak	---	0	Douglas fir, Jeffrey pine
	Douglas fir	---	0	
	Jeffrey pine	64	43	
	white fir	---	0	
Janile	Jeffrey pine	74	57	Jeffrey pine
Lasco	Douglas fir	---	0	Jeffrey pine, white fir
	incense cedar	---	0	
	Jeffrey pine	85	72	
	sugar pine	---	0	
	white fir	---	0	
125:				
Bonta	California black oak	---	0	Douglas fir, Jeffrey pine
	Douglas fir	---	0	
	Jeffrey pine	64	43	
	white fir	---	0	
Lasco	Douglas fir	---	0	Jeffrey pine, white fir
	incense cedar	---	0	
	Jeffrey pine	85	72	
	sugar pine	---	0	
	white fir	---	0	
Rock outcrop	---	---	---	---
Bonta	California black oak	---	0	Douglas fir, Jeffrey pine
	Douglas fir	---	0	
	Jeffrey pine	64	43	
	white fir	---	0	
126:				
Bonta	Douglas fir	---	0	Jeffrey pine
	Jeffrey pine	88	86	
	ponderosa pine	---	0	
	white fir	---	0	
Bonta	Douglas fir	---	0	Jeffrey pine
	Jeffrey pine	88	86	
	ponderosa pine	---	0	
	white fir	---	0	
Lasco	Douglas fir	---	0	Jeffrey pine, white fir
	incense cedar	---	0	
	Jeffrey pine	85	72	
	sugar pine	---	0	
	white fir	---	0	
Waterman	Jeffrey pine	56	43	---
Gerle	white fir	66	0	Jeffrey pine
Chimney	California black oak	---	0	Jeffrey pine
	Jeffrey pine	75	57	
133:				
Buckbay	western juniper	24	29	---
Orhood	western juniper	26	29	---
Devada	---	---	---	---
Fredonyer	---	---	---	---
Longcreek	---	---	---	---

TABLE 8.--FOREST PRODUCTIVITY--Continued

Map symbol and soil name	Potential productivity			Trees to manage
	Common trees	Site index	Volume of wood fiber	
			cu ft/ac	
Ninemile	---	---	---	---
Petescreek	---	---	---	---
Puls	---	---	---	---
134:				
Buckbay	western juniper	24	29	---
Orhood	western juniper	26	29	---
Fredonyer	---	---	---	---
Searles	---	---	---	---
Jauriga	---	---	---	---
136:				
Bunanch	Jeffrey pine	62	43	Jeffrey pine
Ulhalf	incense cedar	---	0	Jeffrey pine, ponderosa pine
	Jeffrey pine	82	72	
	ponderosa pine	---	0	
Jauriga	---	---	---	---
Keddie	---	---	---	---
137:				
Cagwin	Douglas fir	---	0	Douglas fir, Jeffrey pine
	Jeffrey pine	94	86	
	white fir	---	0	
Penstock	Douglas fir	92	72	white fir
	Jeffrey pine	87	86	
	white fir	58	114	
Quartzburg	Jeffrey pine	64	43	Jeffrey pine
Cagwin	---	---	---	---
Lasco	Douglas fir	---	0	Jeffrey pine, white fir
	incense cedar	---	0	
	Jeffrey pine	85	72	
	sugar pine	---	0	
	white fir	---	0	
Cagwin	Douglas fir	---	0	Douglas fir, Jeffrey pine
	Jeffrey pine	94	86	
	white fir	---	0	
138:				
Cagwin	Douglas fir	---	0	Douglas fir, Jeffrey pine
	Jeffrey pine	94	86	
	white fir	---	0	
Cagwin family	Douglas fir	---	0	Douglas fir, Jeffrey pine
	Jeffrey pine	94	86	
	white fir	---	0	
Penstock	Douglas fir	92	72	white fir
	Jeffrey pine	87	86	
	white fir	58	114	
Lasco	California black oak	---	0	ponderosa pine
	incense cedar	---	0	
	Jeffrey pine	---	0	
	ponderosa pine	88	86	

TABLE 8.--FOREST PRODUCTIVITY--Continued

Map symbol and soil name	Potential productivity			Trees to manage
	Common trees	Site index	Volume of wood fiber	
			cu ft/ac	
Cagwin	Douglas fir	---	0	Douglas fir, Jeffrey pine
	Jeffrey pine	94	86	
	white fir	---	0	
Quartzburg	Jeffrey pine	64	43	Jeffrey pine
152:				
Chimney	California black oak	---	0	Jeffrey pine
	Jeffrey pine	75	57	
Mottsville	---	---	---	---
Rock outcrop	---	---	---	---
153:				
Chimney	California black oak	---	0	Jeffrey pine
	Jeffrey pine	75	57	
Bonta	Douglas fir	---	0	Jeffrey pine
	Jeffrey pine	88	86	
	ponderosa pine	---	0	
	white fir	---	0	
Mottsville	---	---	---	---
154:				
Chimney	California black oak	---	0	Jeffrey pine
	Jeffrey pine	75	57	
Janile	Jeffrey pine	74	57	Jeffrey pine
Waterman	Jeffrey pine	56	43	---
Rock outcrop	---	---	---	---
Mottsville	---	---	---	---
Bonta	Douglas fir	---	0	Jeffrey pine
	Jeffrey pine	88	86	
	ponderosa pine	---	0	
	white fir	---	0	
155:				
Chimney	California black oak	---	0	Jeffrey pine
	Jeffrey pine	75	57	
Janile	Jeffrey pine	74	57	Jeffrey pine
Waterman	Jeffrey pine	56	43	---
Chimney	California black oak	---	0	Jeffrey pine
	Jeffrey pine	75	57	
Rock outcrop	---	---	---	---
156:				
Chimney	California black oak	---	0	Jeffrey pine
	Jeffrey pine	75	57	
Waterman	Jeffrey pine	56	43	---
Mottsville	---	---	---	---
Massack	---	---	---	---
Calpine	---	---	---	---

TABLE 8.--FOREST PRODUCTIVITY--Continued

Map symbol and soil name	Potential productivity			Trees to manage
	Common trees	Site index	Volume of wood fiber	
			cu ft/ac	
157:				
Chirpchatter	California black oak	---	0	Jeffrey pine
	Jeffrey pine	93	86	
	ponderosa pine	---	0	
Ulhalf	California black oak	---	0	Jeffrey pine, ponderosa pine
	Jeffrey pine	93	86	
	ponderosa pine	---	0	
Gavel family	California black oak	---	0	Jeffrey pine
	Jeffrey pine	93	86	
	ponderosa pine	---	0	
172:				
Devada	---	---	---	---
Gavel	Jeffrey pine	71	57	Jeffrey pine
	western juniper	---	0	
Ulhalf	Douglas fir	97	86	Douglas fir, ponderosa pine
	ponderosa pine	97	100	
	white fir	70	157	
173:				
Devada	---	---	---	---
Gavel	Jeffrey pine	71	57	Jeffrey pine
	western juniper	---	0	
Whitinger	western juniper	25	29	---
Rubble land	---	---	---	---
Rock outcrop	---	---	---	---
Petescreek	---	---	---	---
Orhood	western juniper	26	29	---
Bucklake	---	---	---	---
176:				
Devada	---	---	---	---
Orhood	western juniper	26	29	---
Hart Camp	---	---	---	---
Jauriga	---	---	---	---
Fiddler	western juniper	20	14	---
Searles	---	---	---	---
Rock outcrop	---	---	---	---
Aquolls	---	---	---	---
Rubble land	---	---	---	---
177:				
Devada	---	---	---	---
Papeek	Jeffrey pine	79	72	Jeffrey pine
Gavel	Jeffrey pine	71	57	Jeffrey pine
	western juniper	---	0	
Whitinger	western juniper	25	29	---

TABLE 8.--FOREST PRODUCTIVITY--Continued

Map symbol and soil name	Potential productivity			Trees to manage
	Common trees	Site index	Volume of wood fiber	
			cu ft/ac	
Gavel	Jeffrey pine	71	57	Jeffrey pine
	western juniper	---	0	
178:				
Devada	---	---	---	---
Petescreek	---	---	---	---
Fiddler	western juniper	20	14	---
Longcreek	---	---	---	---
Fredonyer	---	---	---	---
Bucklake	---	---	---	---
Dune land	---	---	---	---
Tunnison	---	---	---	---
Madeline	---	---	---	---
184:				
Eaglelake	incense cedar	---	0	Jeffrey pine
	Jeffrey pine	87	86	
	sugar pine	---	0	
	white fir	55	114	
Outland	Jeffrey pine	88	86	Jeffrey pine, white fir
	ponderosa pine	---	0	
	white fir	47	86	
Rock outcrop	---	---	---	---
Eaglelake	incense cedar	---	0	Jeffrey pine
	Jeffrey pine	87	86	
	sugar pine	---	0	
	white fir	55	114	
185:				
Eaglelake	incense cedar	---	0	Jeffrey pine
	Jeffrey pine	87	86	
	sugar pine	---	0	
	white fir	55	114	
Outland	Jeffrey pine	88	86	Jeffrey pine, white fir
	white fir	47	86	
Weste	Jeffrey pine	82	72	Jeffrey pine
	white fir	---	0	
Inville	Jeffrey pine	90	86	Jeffrey pine
	lodgepole pine	---	0	
	ponderosa pine	---	0	
Outland	Jeffrey pine	88	86	Jeffrey pine, white fir
	white fir	47	86	
Rock outcrop	---	---	---	---
186:				
Eaglelake	incense cedar	---	0	Jeffrey pine
	Jeffrey pine	87	86	
	sugar pine	---	0	
	white fir	55	114	
Outland	Jeffrey pine	88	86	Jeffrey pine, white fir
	white fir	47	86	

TABLE 8.--FOREST PRODUCTIVITY--Continued

Map symbol and soil name	Potential productivity			Trees to manage
	Common trees	Site index	Volume of wood fiber	
			cu ft/ac	
Weste	Jeffrey pine	82	72	Jeffrey pine
	white fir	---	0	
Rubble land	---	---	---	---
Rock outcrop	---	---	---	---
Easte	California red fir	---	0	California red fir, white fir
	white fir	46	86	
187:				
Eaglelake	incense cedar	---	0	Jeffrey pine
	Jeffrey pine	87	86	
	sugar pine	---	0	
	white fir	55	114	
Outland	Jeffrey pine	88	86	Jeffrey pine, white fir
	ponderosa pine	---	0	
	white fir	47	86	
Weste	Jeffrey pine	82	72	Jeffrey pine
	white fir	---	0	
Rubble land	---	---	---	---
Easte	California red fir	---	0	California red fir, white fir
	white fir	46	86	
Outland	Jeffrey pine	88	86	Jeffrey pine, white fir
	ponderosa pine	---	0	
	white fir	47	86	
Weste	Jeffrey pine	82	72	Jeffrey pine
	white fir	---	0	
188:				
Eaglelake	incense cedar	---	0	Jeffrey pine
	Jeffrey pine	87	86	
	sugar pine	---	0	
	white fir	55	114	
Outland	Jeffrey pine	88	86	Jeffrey pine, white fir
	ponderosa pine	---	0	
	white fir	47	86	
Weste	Jeffrey pine	82	72	Jeffrey pine
	white fir	---	0	
Deadwood	canyon live oak	---	0	---
	Douglas fir	---	0	
	incense cedar	---	0	
	ponderosa pine	40	29	
	sugar pine	---	0	
Eaglelake	incense cedar	---	0	Jeffrey pine
	Jeffrey pine	87	86	
	sugar pine	---	0	
	white fir	55	114	
189:				
Easte	white fir	42	72	white fir
Fredonyer	---	---	---	---
Petescreek	---	---	---	---
Glean	---	---	---	---
Said	Jeffrey pine	83	72	Jeffrey pine, white fir
	white fir	53	100	

TABLE 8.--FOREST PRODUCTIVITY--Continued

Map symbol and soil name	Potential productivity			Trees to manage
	Common trees	Site index	Volume of wood fiber	
			cu ft/ac	
Rubble land	---	---	---	---
Xerolls	---	---	---	---
Eaglelake family	incense cedar	---	0	Jeffrey pine
	Jeffrey pine	87	86	
	sugar pine	---	0	
	white fir	55	114	
190:				
Easte	California red fir	---	0	California red fir, white fir
	white fir	46	86	
Roop	California red fir	---	0	California red fir, white fir
	western white pine	---	0	
	white fir	47	86	
Rock outcrop	---	---	---	---
Outland	Jeffrey pine	88	86	Jeffrey pine, white fir
	ponderosa pine	---	0	
	white fir	47	86	
Rubble land	---	---	---	---
Roop	California red fir	---	0	California red fir, white fir
	western white pine	---	0	
	white fir	47	86	
Easte	California red fir	---	0	California red fir, white fir
	white fir	46	86	
191:				
Easte	California red fir	---	0	California red fir, white fir
	white fir	46	86	
Roop	California red fir	---	0	California red fir, white fir
	western white pine	---	0	
	white fir	47	86	
Outland	Jeffrey pine	88	86	Jeffrey pine, white fir
	ponderosa pine	---	0	
	white fir	47	86	
Rock outcrop	---	---	---	---
Rubble land	---	---	---	---
194:				
Fiddler	western juniper	20	14	---
Gavel	Jeffrey pine	71	57	Jeffrey pine
	western juniper	---	0	
Rubble land	---	---	---	---
Devada	---	---	---	---
Orhood	western juniper	26	29	---
Rock outcrop	---	---	---	---
Whitinger	western juniper	25	29	---
Said	Jeffrey pine	83	72	Jeffrey pine, white fir
	white fir	53	100	
195:				
Fiddler	western juniper	20	14	---

TABLE 8.--FOREST PRODUCTIVITY--Continued

Map symbol and soil name	Potential productivity			Trees to manage
	Common trees	Site index	Volume of wood fiber	
			cu ft/ac	
Gavel	Jeffrey pine	71	57	Jeffrey pine
	western juniper	---	0	
Rubble land	---	---	---	---
Orhood	western juniper	26	29	---
Devada	---	---	---	---
Rock outcrop	---	---	---	---
Whitinger	western juniper	25	29	---
Said	Jeffrey pine	83	72	Jeffrey pine, white fir
	white fir	53	100	
196:				
Fiddler	western juniper	20	14	---
Madeline	---	---	---	---
Orhood	western juniper	26	29	---
Devada	---	---	---	---
Rock outcrop	---	---	---	---
Fivesprings	---	---	---	---
Petescreek	---	---	---	---
197:				
Fiddler	western juniper	20	14	---
Orhood	western juniper	26	29	---
Petescreek	---	---	---	---
Home Camp	---	---	---	---
Fredonyer	---	---	---	---
Buckbay	western juniper	24	29	---
Badenaugh	---	---	---	---
207:				
Forgay	Jeffrey pine	100	100	Jeffrey pine
	lodgepole pine	---	0	
Mountmed, clay loam	---	---	---	---
Urban land	---	---	---	---
208:				
Forgay	Jeffrey pine	75	57	Jeffrey pine
Urban land	---	---	---	---
Forgay	Jeffrey pine	75	57	Jeffrey pine
Riverwash, extremely gravelly coarse sand	---	---	---	---
Fluvents	---	---	---	---
211:				
Fraval	Jeffrey pine	73	57	Jeffrey pine

TABLE 8.--FOREST PRODUCTIVITY--Continued

Map symbol and soil name	Potential productivity			Trees to manage
	Common trees	Site index	Volume of wood fiber	
			cu ft/ac	
Fredonyer	---	---	---	---
Said	Jeffrey pine	83	72	Jeffrey pine, white fir
	white fir	53	100	
Keddie, loam	---	---	---	---
Rubble land	---	---	---	---
Rock outcrop	---	---	---	---
Searles, very stony loam	---	---	---	---
Petescreek, gravelly loam	---	---	---	---
Ninemile, very stony loam	---	---	---	---
Orhood, very stony sandy loam	western juniper	26	29	---
212:				
Fraval	Jeffrey pine	73	57	Jeffrey pine
Said	Jeffrey pine	83	72	Jeffrey pine, white fir
	white fir	53	100	
Rock outcrop	---	---	---	---
Fredonyer, very stony loam	---	---	---	---
Ninemile, very stony loam	---	---	---	---
213:				
Fredonyer	---	---	---	---
Whitinger	western juniper	25	29	---
Orhood	western juniper	26	29	---
Badenaugh, stony sandy loam	---	---	---	---
Rubble land	---	---	---	---
Rock outcrop	---	---	---	---
Searles, very stony loam	---	---	---	---
Petescreek, very gravelly loam	---	---	---	---
Hapgood, stony loam	---	---	---	---
Fiddler, very stony loam	western juniper	20	14	---
218:				
Gavel	Jeffrey pine	71	57	Jeffrey pine
	western juniper	---	0	
Devada, very cobbly loam	---	---	---	---
Searles, very stony loam	---	---	---	---

TABLE 8.--FOREST PRODUCTIVITY--Continued

Map symbol and soil name	Potential productivity			Trees to manage
	Common trees	Site index	Volume of wood fiber	
			cu ft/ac	
219:				
Gavel	Jeffrey pine	71	57	---
	western juniper	---	0	
Devada	---	---	---	---
Devada, very cobbly loam	---	---	---	---
223:				
Gerle	Jeffrey pine	105	114	Jeffrey pine
Gerle, gravelly sandy loam	Jeffrey pine	105	114	Jeffrey pine
Gerle	Jeffrey pine	105	114	Jeffrey pine
224:				
Gerle	white fir	66	0	Jeffrey pine
Gerle	white fir	66	0	Jeffrey pine
Rock outcrop	---	---	---	---
Mottsville, gravelly loamy coarse sand	---	---	---	---
225:				
Gerle	California red fir	---	0	white fir
	white fir	77	186	
Gerle	California red fir	51	---	Jeffrey pine
	white fir	66	0	
Gerle	California red fir	51	---	Jeffrey pine
	white fir	66	0	
Rock outcrop	---	---	---	---
232:				
Hangtown	California red fir	---	0	white fir
	Douglas fir	---	0	
	sugar pine	---	0	
	white fir	50	86	
Hangtown	California red fir	---	0	white fir
	Douglas fir	---	0	
	sugar pine	---	0	
	white fir	50	86	
Rock outcrop	---	---	---	---
Penstock, stony loam	Douglas fir	92	72	white fir
	Jeffrey pine	87	86	
	white fir	58	114	
Scaribou, stony loam	Douglas fir	102	86	white fir
	Jeffrey pine	96	100	
	white fir	57	114	
Deadwood, very gravelly sandy loam	canyon live oak	---	0	---
	Douglas fir	---	0	
	incense cedar	---	0	
	ponderosa pine	40	29	
	sugar pine	---	0	

TABLE 8.--FOREST PRODUCTIVITY--Continued

Map symbol and soil name	Potential productivity			Trees to manage
	Common trees	Site index	Volume of wood fiber	
			cu ft/ac	
256:				
Indiano	---	---	---	---
Zephan	---	---	---	---
Duco	western juniper	38	0	---
Barnard, stony sandy loam	---	---	---	---
Graufels, bouldery sand-	---	---	---	---
Glenbrook, gravelly loamy coarse sand	---	---	---	---
Glean, very stony loam--	---	---	---	---
Corral, very cobbly loam	---	---	---	---
257:				
Inville	Jeffrey pine	90	86	Jeffrey pine
	lodgepole pine	---	0	
	ponderosa pine	---	0	
Mountmed, clay loam	---	---	---	---
Swainow, very gravelly sandy loam	Jeffrey pine	102	100	Jeffrey pine, white fir
	ponderosa pine	---	0	
	white fir	64	143	
259:				
Jauriga	---	---	---	---
Buckbay	western juniper	24	29	---
Fredonyer	---	---	---	---
Rubble land	---	---	---	---
Rock outcrop	---	---	---	---
Petescreek, gravelly loam	---	---	---	---
266:				
Lasco	Douglas fir	---	0	Jeffrey pine, white fir
	incense cedar	---	0	
	Jeffrey pine	85	72	
	sugar pine	---	0	
	white fir	---	0	
Lasco	Douglas fir	---	0	Jeffrey pine, white fir
	incense cedar	---	0	
	Jeffrey pine	85	72	
	sugar pine	---	0	
	white fir	---	0	
Scaribou, very gravelly loam	Jeffrey pine	96	100	Jeffrey pine, sugar pine, white fir
	white fir	---	0	
267:				
Lasco	Douglas fir	---	0	Jeffrey pine, white fir
	incense cedar	---	0	
	Jeffrey pine	85	72	
	sugar pine	---	0	
	white fir	---	0	

TABLE 8.--FOREST PRODUCTIVITY--Continued

Map symbol and soil name	Potential productivity			Trees to manage
	Common trees	Site index	Volume of wood fiber	
			cu ft/ac	
Bonta, gravelly sandy loam	Douglas fir	---	0	Jeffrey pine
	Jeffrey pine	88	86	
	ponderosa pine	---	0	
	white fir	---	0	
268:				
Lasco	Douglas fir	---	0	Jeffrey pine, white fir
	incense cedar	---	0	
	Jeffrey pine	85	72	
	sugar pine	---	0	
	white fir	---	0	
Waterman	Jeffrey pine	56	43	---
Dotta, gravelly loam	---	---	---	---
269:				
Lasco	California black oak	---	0	ponderosa pine
	incense cedar	---	0	
	Jeffrey pine	---	0	
	ponderosa pine	88	86	
Bonta	California black oak	---	0	Douglas fir, Jeffrey pine
	Douglas fir	---	0	
	Jeffrey pine	64	43	
	white fir	---	0	
Chirpchatter, sandy loam	California black oak	---	0	Jeffrey pine
	Jeffrey pine	93	86	
	ponderosa pine	---	0	
Chimney, gravelly loamy coarse sand	California black oak	---	0	Jeffrey pine
	Jeffrey pine	75	57	
Cagwin,	Douglas fir	---	0	Douglas fir, Jeffrey pine
	Jeffrey pine	94	86	
	white fir	---	0	
298:				
Ninemile	---	---	---	---
Petescreek	---	---	---	---
Fiddler	western juniper	20	14	---
Rock outcrop	---	---	---	---
Fredonyer, very stony loam	---	---	---	---
Devada, very stony loam	---	---	---	---
299:				
Ninemile	---	---	---	---
Weste	Jeffrey pine	101	100	Jeffrey pine, white fir
	sugar pine	---	0	
	white fir	53	100	
Mountmed, clay loam	---	---	---	---
Rock outcrop	---	---	---	---
302:				
Orhood	western juniper	26	29	---

TABLE 8.--FOREST PRODUCTIVITY--Continued

Map symbol and soil name	Potential productivity			Trees to manage
	Common trees	Site index	Volume of wood fiber	
			cu ft/ac	
Incy, fine sand---------	---	---	---	---
Searles, very stony loam	---	---	---	---
Puls, very stony loam---	---	---	---	---
304:				
Outland-----------------	Jeffrey pine--------	88	86	Jeffrey pine, white fir
	ponderosa pine------	---	0	
	white fir-----------	47	86	
Rock outcrop------------	---	---	---	---
Rubble land-------------	---	---	---	---
Eaglelake, very gravelly loam-------------------	incense cedar-------	---	0	Jeffrey pine
	Jeffrey pine--------	87	86	
	sugar pine----------	---	0	
	white fir-----------	55	114	
305:				
Outland-----------------	Jeffrey pine--------	88	86	Jeffrey pine, white fir
	white fir-----------	47	86	
Outland-----------------	Jeffrey pine--------	88	86	Jeffrey pine, white fir
	ponderosa pine------	---	0	
	white fir-----------	47	86	
Eaglelake, very gravelly loam-------------------	incense cedar-------	---	0	Jeffrey pine
	Jeffrey pine--------	87	86	
	sugar pine----------	---	0	
	white fir-----------	55	114	
Rock outcrop------------	---	---	---	---
306:				
Outland-----------------	Douglas fir---------	83	57	Jeffrey pine
	Jeffrey pine--------	---	0	
	ponderosa pine------	---	0	
Penstock----------------	Douglas fir---------	92	72	white fir
	Jeffrey pine--------	87	86	
	white fir-----------	58	114	
Deadwood, very gravelly sandy loam-------------	canyon live oak-----	---	0	---
	Douglas fir---------	---	0	
	incense cedar-------	---	0	
	ponderosa pine------	40	29	
	sugar pine----------	---	0	
Easte, very gravelly sandy loam-------------	California red fir--	---	0	California red fir, white fir
	white fir-----------	46	86	
307:				
Outland-----------------	Douglas fir---------	83	57	Jeffrey pine
	Jeffrey pine--------	---	0	
	ponderosa pine------	---	0	
Penstock----------------	Douglas fir---------	92	72	white fir
	Jeffrey pine--------	87	86	
	white fir-----------	58	114	
Fiddler, very stony loam	---	---	---	---
Easte, deep to bedrock--	---	---	---	---

TABLE 8.--FOREST PRODUCTIVITY--Continued

Map symbol and soil name	Potential productivity			Trees to manage
	Common trees	Site index	Volume of wood fiber	
			cu ft/ac	
308:				
Papeek	Jeffrey pine	79	72	Jeffrey pine
Ulhalf, very gravelly sandy loam	incense cedar	---	0	Jeffrey pine, ponderosa pine
	Jeffrey pine	82	72	
	ponderosa pine	---	0	
Papeek, clay loam	Jeffrey pine	79	72	Jeffrey pine
309:				
Papeek	Jeffrey pine	79	72	Jeffrey pine
Deadwood, very gravelly sandy loam	canyon live oak	---	0	---
	Douglas fir	---	0	
	incense cedar	---	0	
	ponderosa pine	40	29	
	sugar pine	---	0	
310:				
Penstock	Douglas fir	92	72	white fir
	Jeffrey pine	87	86	
	white fir	58	114	
Deadwood	canyon live oak	---	0	---
	Douglas fir	---	0	
	incense cedar	---	0	
	ponderosa pine	40	29	
	sugar pine	---	0	
Rock outcrop	---	---	---	---
Scaribou, very gravelly loam	Jeffrey pine	96	100	Jeffrey pine, sugar pine, white fir
	white fir	---	0	
311:				
Penstock	Douglas fir	92	72	white fir
	Jeffrey pine	87	86	
	white fir	58	114	
Deadwood	canyon live oak	---	0	---
	Douglas fir	---	0	
	incense cedar	---	0	
	ponderosa pine	40	29	
	sugar pine	---	0	
Rock outcrop	---	---	---	---
Weste, very gravelly sandy loam	Jeffrey pine	82	72	Jeffrey pine
	white fir	---	0	
Tahand	Jeffrey pine	107	114	Jeffrey pine, white fir
	white fir	60	129	
312:				
Penstock, stony loam	Douglas fir	92	72	white fir
	Jeffrey pine	87	86	
	white fir	58	114	
Scaribou, stony loam	Douglas fir	102	86	white fir
	Jeffrey pine	96	100	
	white fir	57	114	

TABLE 8.--FOREST PRODUCTIVITY--Continued

Map symbol and soil name	Potential productivity			Trees to manage
	Common trees	Site index	Volume of wood fiber	
			cu ft/ac	
Inville, very gravelly loam	Jeffrey pine	90	86	Jeffrey pine
	lodgepole pine	---	0	
	ponderosa pine	---	0	
Aquolls, gravelly sandy loam	---	---	---	---
313:				
Penstock, stony loam	Douglas fir	92	72	white fir
	Jeffrey pine	87	86	
	white fir	58	114	
Scaribou, stony loam	Douglas fir	102	86	white fir
	Jeffrey pine	96	100	
	white fir	57	114	
Deadwood, very gravelly sandy loam	canyon live oak	---	0	---
	Douglas fir	---	0	
	incense cedar	---	0	
	ponderosa pine	40	29	
	sugar pine	---	0	
Rock outcrop	---	---	---	---
321:				
Petescreek	---	---	---	---
Orhood	western juniper	26	29	---
Fredonyer	---	---	---	---
Searles, very cobbly loam	---	---	---	---
Easte, very gravelly sandy loam	California red fir	---	0	California red fir, white fir
	white fir	46	86	
Indiano, stony fine sandy loam	---	---	---	---
Glean, very stony loam	---	---	---	---
Alomax, very stony sandy loam	---	---	---	---
323:				
Petescreek	---	---	---	---
Searles	---	---	---	---
Orhood	western juniper	26	29	---
Fredonyer, very stony loam	---	---	---	---
332:				
Quartzburg	Jeffrey pine	64	43	Jeffrey pine
Scaribou	Jeffrey pine	96	100	Jeffrey pine, sugar pine, white fir
	white fir	---	0	
Rubble land	---	---	---	---
Rock outcrop	---	---	---	---

TABLE 8.--FOREST PRODUCTIVITY--Continued

Map symbol and soil name	Potential productivity			Trees to manage
	Common trees	Site index	Volume of wood fiber	
			cu ft/ac	
337:				
Redriver	incense cedar	---	0	Jeffrey pine, white fir
	Jeffrey pine	100	100	
	white fir	51	100	
Gerle	Jeffrey pine	105	114	Jeffrey pine
Inville, very gravelly loam	Jeffrey pine	90	86	Jeffrey pine
	lodgepole pine	---	0	
	ponderosa pine	---	0	
Forgay, extremely gravelly sandy loam	Jeffrey pine	75	57	Jeffrey pine
338:				
Redriver	incense cedar	---	0	Jeffrey pine, white fir
	Jeffrey pine	100	100	
	white fir	51	100	
Weste	Jeffrey pine	101	100	Jeffrey pine, white fir
	sugar pine	---	0	
	white fir	53	100	
Woodwest, very stony sandy loam	Jeffrey pine	78	72	Jeffrey pine
	white fir	---	0	
Swainow, very gravelly sandy loam	Jeffrey pine	102	100	Jeffrey pine, white fir
	ponderosa pine	---	0	
	white fir	64	143	
Keddie, loam	---	---	---	---
Inville, very gravelly loam	Jeffrey pine	90	86	Jeffrey pine
	lodgepole pine	---	0	
	ponderosa pine	---	0	
339:				
Redriver, stony sandy loam	incense cedar	---	0	Jeffrey pine, white fir
	Jeffrey pine	85	72	
	white fir	---	0	
Woodwest	Jeffrey pine	78	72	Jeffrey pine
	white fir	---	0	
Wafla	Jeffrey pine	104	114	Jeffrey pine
	lodgepole pine	---	0	
	white fir	---	0	
Inville, very gravelly loam	Jeffrey pine	90	86	Jeffrey pine
	lodgepole pine	---	0	
	ponderosa pine	---	0	
Rock outcrop	---	---	---	---
343:				
Rubble land	---	---	---	---
Fiddler	western juniper	20	14	---
Orhood, very stony loam	western juniper	26	29	---
Rock outcrop	---	---	---	---

TABLE 8.--FOREST PRODUCTIVITY--Continued

Map symbol and soil name	Potential productivity			Trees to manage
	Common trees	Site index	Volume of wood fiber	
			cu ft/ac	
346:				
Rubble land	---	---	---	---
Weste	Jeffrey pine	82	72	Jeffrey pine
	white fir	---	0	
Gavel	Jeffrey pine	71	57	Jeffrey pine
	western juniper	---	0	
Easte, gravelly loam	white fir	42	72	white fir
Scaribou, very gravelly loam	Jeffrey pine	96	100	Jeffrey pine, sugar pine, white fir
	white fir	---	0	
Outland, very stony loam	Jeffrey pine	88	86	Jeffrey pine, white fir
	ponderosa pine	---	0	
	white fir	47	86	
Rock outcrop	---	---	---	---
351:				
Said	Jeffrey pine	83	72	Jeffrey pine, white fir
	white fir	53	100	
Fredonyer, very stony loam	---	---	---	---
Easte, very gravelly sandy loam	California red fir	---	0	California red fir, white fir
	white fir	46	86	
Ninemile, very cobbly loam	---	---	---	---
Petescreek, gravelly loam	---	---	---	---
352:				
Said	Jeffrey pine	83	72	Jeffrey pine, white fir
	white fir	53	100	
Fraval	Jeffrey pine	73	57	Jeffrey pine
Easte, very gravelly sandy loam	California red fir	---	0	California red fir, white fir
	white fir	46	86	
Deadwood family, very gravelly sandy loam	canyon live oak	---	0	---
	Douglas fir	---	0	
	incense cedar	---	0	
	ponderosa pine	40	29	
	sugar pine	---	0	
353:				
Said	Jeffrey pine	83	72	Jeffrey pine, white fir
	white fir	53	100	
Ninemile	---	---	---	---
Rock outcrop	---	---	---	---
Fredonyer, very stony loam	---	---	---	---

TABLE 8.--FOREST PRODUCTIVITY--Continued

Map symbol and soil name	Potential productivity			Trees to manage
	Common trees	Site index	Volume of wood fiber	
			cu ft/ac	
Eaglelake, very gravelly loam	incense cedar	---	0	Jeffrey pine
	Jeffrey pine	87	86	
	sugar pine	---	0	
	white fir	55	114	
354:				
Scaribou	Jeffrey pine	96	100	Jeffrey pine, sugar pine, white fir
	white fir	---	0	
Scaribou, stony loam	Douglas fir	102	86	white fir
	Jeffrey pine	96	100	
	white fir	57	114	
Penstock, stony loam	Douglas fir	92	72	white fir
	Jeffrey pine	87	86	
	white fir	58	114	
355:				
Scaribou	Douglas fir	102	86	white fir
	Jeffrey pine	96	100	
	white fir	57	114	
Penstock	Douglas fir	92	72	white fir
	Jeffrey pine	87	86	
	white fir	58	114	
Rock outcrop	---	---	---	---
Rubble land	---	---	---	---
Deadwood, very gravelly sandy loam	canyon live oak	---	0	---
	Douglas fir	---	0	
	incense cedar	---	0	
	ponderosa pine	40	29	
	sugar pine	---	0	
360:				
Searles	---	---	---	---
Orhood	western juniper	26	29	---
Devada	---	---	---	---
Bucklake, very stony loam	---	---	---	---
Fiddler, very stony loam	western juniper	20	14	---
Fivesprings, very stony loam	---	---	---	---
Rock outcrop	---	---	---	---
Xerolls, loamy coarse sand	---	---	---	---
364:				
Southpac	incense cedar	---	0	Jeffrey pine, ponderosa pine
	Jeffrey pine	78	72	
	ponderosa pine	---	0	
Rock outcrop	---	---	---	---
Riverwash	---	---	---	---
Keddie, loam	---	---	---	---

TABLE 8.--FOREST PRODUCTIVITY--Continued

Map symbol and soil name	Potential productivity			Trees to manage
	Common trees	Site index	Volume of wood fiber	
			cu ft/ac	
373:				
Swainow	Jeffrey pine	94	86	Jeffrey pine, white fir
	sugar pine	---	0	
	white fir	---	0	
Almanor	incense cedar	---	0	Jeffrey pine, sugar pine, white fir
	Jeffrey pine	83	72	
	sugar pine	---	0	
	white fir	61	129	
Tahand	Jeffrey pine	107	114	Jeffrey pine, white fir
	white fir	60	129	
Whorled, very gravelly sandy loam	Jeffrey pine	---	0	Jeffrey pine, white fir
	white fir	60	129	
374:				
Swainow, very stony sandy loam	Jeffrey pine	94	86	Jeffrey pine, white fir
	sugar pine	---	0	
	white fir	---	0	
Almanor	incense cedar	---	0	Jeffrey pine, sugar pine, white fir
	Jeffrey pine	83	72	
	sugar pine	---	0	
	white fir	61	129	
Keddie, loam	---	---	---	---
Almanor, very gravelly sandy loam	incense cedar	---	0	Jeffrey pine, sugar pine, white fir
	Jeffrey pine	83	72	
	sugar pine	---	0	
	white fir	61	129	
Rock outcrop	---	---	---	---
Whorled, very gravelly sandy loam	Jeffrey pine	---	0	Jeffrey pine, white fir
	white fir	60	129	
Tahand	Jeffrey pine	107	114	Jeffrey pine, white fir
	white fir	60	129	
375:				
Swainow	Jeffrey pine	102	100	Jeffrey pine, white fir
	ponderosa pine	---	0	
	white fir	64	143	
Redriver	incense cedar	---	0	Jeffrey pine, white fir
	Jeffrey pine	100	100	
	white fir	51	100	
Rubble land	---	---	---	---
Redriver	incense cedar	---	0	Jeffrey pine, white fir
	Jeffrey pine	100	100	
	white fir	51	100	
Woodwest, very stony sandy loam	Jeffrey pine	78	72	Jeffrey pine
	white fir	---	0	
376:				
Swainow	Jeffrey pine	94	86	Jeffrey pine, white fir
	sugar pine	---	0	
	white fir	---	0	

TABLE 8.--FOREST PRODUCTIVITY--Continued

Map symbol and soil name	Potential productivity			Trees to manage
	Common trees	Site index	Volume of wood fiber	
			cu ft/ac	
Tahand	Jeffrey pine	107	114	Jeffrey pine, white fir
	white fir	60	129	
Urban land	---	---	---	---
Baileycreek, very bouldery loam	Jeffrey pine	112	129	Jeffrey pine
	white fir	---	0	
377:				
Tahand	Jeffrey pine	107	114	Jeffrey pine, white fir
	white fir	60	129	
Baileycreek	Jeffrey pine	98	100	Jeffrey pine, white fir
	sugar pine	---	0	
	white fir	---	0	
Rock outcrop	---	---	---	---
Baileycreek, very stony loam	Jeffrey pine	112	129	Jeffrey pine
	white fir	---	0	
Weste, very stony sandy loam	Jeffrey pine	101	100	Jeffrey pine, white fir
	sugar pine	---	0	
	white fir	53	100	
Redriver, very gravelly sandy loam	incense cedar	---	0	Jeffrey pine, white fir
	Jeffrey pine	100	100	
	white fir	51	100	
378:				
Tahand	Jeffrey pine	107	114	Jeffrey pine, white fir
	white fir	60	129	
Swainow	Jeffrey pine	94	86	Jeffrey pine, white fir
	sugar pine	---	0	
	white fir	---	0	
Almanor	incense cedar	---	0	Jeffrey pine, sugar pine, white fir
	Jeffrey pine	83	72	
	sugar pine	---	0	
	white fir	61	129	
Rock outcrop	---	---	---	---
Woodwest, very stony sandy loam	Jeffrey pine	78	72	Jeffrey pine
	white fir	---	0	
Keddie, loam	---	---	---	---
382:				
Toiyabe	Jeffrey pine	61	43	Jeffrey pine
	ponderosa pine	---	0	
	white fir	---	0	
Lasco	Douglas fir	---	0	Jeffrey pine, white fir
	incense cedar	---	0	
	Jeffrey pine	85	72	
	sugar pine	---	0	
	white fir	---	0	
Quartzburg	Jeffrey pine	64	43	Jeffrey pine
Rock outcrop	---	---	---	---

TABLE 8.--FOREST PRODUCTIVITY--Continued

Map symbol and soil name	Potential productivity			Trees to manage
	Common trees	Site index	Volume of wood fiber	
			cu ft/ac	
Toiyabe	Jeffrey pine	61	43	Jeffrey pine
	ponderosa pine	---	0	
	white fir	---	0	
Outland, very stony loam	Jeffrey pine	88	86	Jeffrey pine, white fir
	ponderosa pine	---	0	
	white fir	47	86	
383:				
Toiyabe	Jeffrey pine	61	43	Jeffrey pine
	ponderosa pine	---	0	
	white fir	---	0	
Lasco	Douglas fir	---	0	Jeffrey pine, white fir
	incense cedar	---	0	
	Jeffrey pine	85	72	
	sugar pine	---	0	
	white fir	---	0	
Bonta, coarse sandy loam	California black oak	---	0	Douglas fir, Jeffrey pine
	Douglas fir	---	0	
	Jeffrey pine	64	43	
	white fir	---	0	
Toiyabe	Jeffrey pine	61	43	Jeffrey pine
	ponderosa pine	---	0	
	white fir	---	0	
391:				
Ulhalf	Douglas fir	97	86	Douglas fir, ponderosa pine
	ponderosa pine	97	100	
	white fir	70	157	
Inville, very gravelly loam	Jeffrey pine	90	86	Jeffrey pine
	lodgepole pine	---	0	
	ponderosa pine	---	0	
Southpac, very stony loam	incense cedar	---	0	Jeffrey pine, ponderosa pine
	Jeffrey pine	78	72	
	ponderosa pine	---	0	
392:				
Ulhalf	Douglas fir	97	86	Douglas fir, ponderosa pine
	ponderosa pine	97	100	
	white fir	70	157	
Deadwood, very gravelly sandy loam	canyon live oak	---	0	---
	Douglas fir	---	0	
	incense cedar	---	0	
	ponderosa pine	40	29	
	sugar pine	---	0	
Penstock, very gravelly sandy loam	Douglas fir	92	72	white fir
	Jeffrey pine	87	86	
	white fir	58	114	
393:				
Ulhalf	incense cedar	---	0	Jeffrey pine, ponderosa pine
	Jeffrey pine	82	72	
	ponderosa pine	---	0	
Gavel	Jeffrey pine	71	57	---
	western juniper	---	0	

TABLE 8.--FOREST PRODUCTIVITY--Continued

Map symbol and soil name	Potential productivity			Trees to manage
	Common trees	Site index	Volume of wood fiber	
			cu ft/ac	
Southpac, very stony loam	incense cedar	---	0	Jeffrey pine, ponderosa pine
	Jeffrey pine	78	72	
	ponderosa pine	---	0	
394:				
Ulhalf	incense cedar	---	0	Jeffrey pine, ponderosa pine
	Jeffrey pine	82	72	
	ponderosa pine	---	0	
Southpac	incense cedar	---	0	Jeffrey pine, ponderosa pine
	Jeffrey pine	78	72	
	ponderosa pine	---	0	
Rock outcrop	---	---	---	---
398:				
Weste	Jeffrey pine	101	100	Jeffrey pine, white fir
	sugar pine	---	0	
	white fir	53	100	
Baileycreek	Jeffrey pine	112	129	Jeffrey pine
	white fir	---	0	
Tahand	Jeffrey pine	107	114	Jeffrey pine, white fir
	white fir	60	129	
Rubble land	---	---	---	---
Rock outcrop	---	---	---	---
399:				
Weste	Jeffrey pine	82	72	Jeffrey pine
	white fir	---	0	
Rock outcrop	---	---	---	---
Swainow, stony sandy loam	Jeffrey pine	94	86	Jeffrey pine, white fir
	sugar pine	---	0	
	white fir	---	0	
Woodwest, very stony sandy loam	Jeffrey pine	78	72	Jeffrey pine
	white fir	---	0	
400:				
Whitinger	western juniper	25	29	---
Devada	---	---	---	---
Rubble land	---	---	---	---
Rock outcrop	---	---	---	---
Jauriga, gravelly loam	---	---	---	---
Buckbay, gravelly loam	western juniper	24	29	---
401:				
Whorled	Jeffrey pine	---	0	Jeffrey pine, white fir
	white fir	60	129	
Almanor	incense cedar	---	0	Jeffrey pine, sugar pine, white fir
	Jeffrey pine	83	72	
	sugar pine	---	0	
	white fir	61	129	

TABLE 8.--FOREST PRODUCTIVITY--Continued

Map symbol and soil name	Potential productivity			Trees to manage
	Common trees	Site index	Volume of wood fiber	
			cu ft/ac	
Tahand	Jeffrey pine	107	114	Jeffrey pine, white fir
	white fir	60	129	
Whorled	Jeffrey pine	---	0	Jeffrey pine, white fir
	white fir	60	129	
Rock outcrop	---	---	---	---

TABLE 9.--FORESTLAND MANAGEMENT

(The information in this table indicates the dominant soil condition but does not eliminate the need for onsite investigation. The numbers in the value columns range from 0.01 to 1.00. The larger the value, the greater the limitation. See text for further explanation of ratings in this table.)

Map symbol and soil name	Pct. of map unit	Limitations affecting construction of haul roads and log landings		Suitability for log landings		Soil rutting hazard	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
101:							
Almanor	40	Slight		Moderately suited		Slight	
				Slope	0.50	Strength	0.10
Whorled	35	Moderate		Moderately suited		Slight	
		Restrictive layer	0.50	Slope	0.50	Strength	0.10
		Sandiness	0.50	Sandiness	0.50		
Inville	20	Slight		Well suited		Slight	
						Strength	0.10
Tahand	5	Severe		Poorly suited		Moderate	
		Stoniness	1.00	Rock fragments	1.00	Strength	0.50
				Slope	0.50		
111:							
Baileycreek	45	Slight		Moderately suited		Slight	
				Slope	0.50	Strength	0.10
Weste	35	Moderate		Moderately suited		Slight	
		Restrictive layer	0.50	Slope	0.50	Strength	0.10
		Sandiness	0.50	Sandiness	0.50		
Inville	10	Slight		Moderately suited		Slight	
				Slope	0.50	Strength	0.10
Weste	5	Moderate		Moderately suited		Slight	
		Stoniness	0.50	Rock fragments	0.50	Strength	0.10
		Restrictive layer	0.50	Slope	0.50		
		Sandiness	0.50	Sandiness	0.50		
Baileycreek	5	Moderate		Moderately suited		Slight	
		Stoniness	0.50	Rock fragments	0.50	Strength	0.10
				Slope	0.50		
112:							
Baileycreek	50	Severe		Poorly suited		Slight	
		Stoniness	1.00	Slope	1.00	Strength	0.10
		Slope	0.50	Rock fragments	1.00		
Weste	35	Severe		Poorly suited		Slight	
		Stoniness	1.00	Slope	1.00	Strength	0.10
		Restrictive layer	0.50	Rock fragments	1.00		
		Slope	0.50	Sandiness	0.50		
		Sandiness	0.50				
Swainow	5	Moderate		Poorly suited		Slight	
		Slope	0.50	Slope	1.00	Strength	0.10
		Restrictive layer	0.50				
Rock outcrop	5	Not rated		Not rated		Not rated	
Weste	3	Severe		Poorly suited		Slight	
		Stoniness	1.00	Slope	1.00	Strength	0.10
		Restrictive layer	0.50	Rock fragments	1.00		
		Slope	0.50	Sandiness	0.50		
		Sandiness	0.50				
Baileycreek	2	Severe		Poorly suited		Slight	
		Stoniness	1.00	Slope	1.00	Strength	0.10
		Slope	0.50	Rock fragments	1.00		

TABLE 9.--FORESTLAND MANAGEMENT--Continued

Map symbol and soil name	Pct. of map unit	Limitations affecting construction of haul roads and log landings		Suitability for log landings		Soil rutting hazard	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
113:							
Baileycreek---	50	Severe		Poorly suited		Slight	
		Slope	1.00	Slope	1.00	Strength	0.10
		Stoniness	1.00	Rock fragments	1.00		
Weste---	35	Severe		Poorly suited		Slight	
		Slope	1.00	Slope	1.00	Strength	0.10
				Sandiness	0.50		
Rubble land---	5	Not rated		Not rated		Not rated	
Rock outcrop---	5	Not rated		Not rated		Not rated	
Swainow---	5	Severe		Poorly suited		Slight	
		Slope	1.00	Slope	1.00	Strength	0.10
124:							
Bonta---	80	Slight		Moderately suited		Moderate	
				Slope	0.50	Strength	0.50
Janile---	10	Moderate		Poorly suited		Moderate	
		Stoniness	0.50	Rock fragments	1.00	Strength	0.50
		Sandiness	0.50	Slope	0.50		
				Sandiness	0.50		
Lasco---	10	Slight		Moderately suited		Moderate	
				Slope	0.50	Strength	0.50
125:							
Bonta---	80	Moderate		Poorly suited		Moderate	
		Slope	0.50	Slope	1.00	Strength	0.50
Lasco---	10	Moderate		Poorly suited		Moderate	
		Slope	0.50	Slope	1.00	Strength	0.50
Rock outcrop---	5	Not rated		Not rated		Not rated	
Bonta---	5	Moderate		Poorly suited		Moderate	
		Slope	0.50	Rock fragments	1.00	Strength	0.50
		Stoniness	0.50	Slope	1.00		
126:							
Bonta---	75	Severe		Poorly suited		Moderate	
		Slope	1.00	Slope	1.00	Strength	0.50
Bonta---	5	Severe		Poorly suited		Moderate	
		Slope	1.00	Rock fragments	1.00	Strength	0.50
		Stoniness	0.50	Slope	1.00		
Lasco---	5	Severe		Poorly suited		Moderate	
		Slope	1.00	Slope	1.00	Strength	0.50
Waterman---	5	Severe		Poorly suited		Moderate	
		Slope	1.00	Slope	1.00	Strength	0.50
		Stoniness	0.50	Rock fragments	1.00		
Gerle---	5	Severe		Poorly suited		Moderate	
		Slope	1.00	Slope	1.00	Strength	0.50
Chimney---	5	Severe		Poorly suited		Moderate	
		Slope	1.00	Slope	1.00	Strength	0.50

TABLE 9.--FORESTLAND MANAGEMENT--Continued

Map symbol and soil name	Pct. of map unit	Limitations affecting construction of haul roads and log landings		Suitability for log landings		Soil rutting hazard	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
133:							
Buckbay	35	Moderate		Poorly suited		Moderate	
		Slope	0.50	Slope	1.00	Strength	0.50
Orhood	25	Severe		Poorly suited		Slight	
		Restrictive layer	1.00	Slope	1.00	Strength	0.10
		Stoniness	0.50	Rock fragments	0.50		
		Slope	0.50				
Devada	20	Severe		Moderately suited		Slight	
		Restrictive layer	1.00	Rock fragments	0.50	Strength	0.10
		Stoniness	0.50	Slope	0.50		
Fredonyer	4	Severe		Poorly suited		Slight	
		Restrictive layer	1.00	Slope	1.00	Strength	0.10
		Stoniness	0.50	Rock fragments	0.50		
		Slope	0.50				
Longcreek	4	Severe		Poorly suited		Slight	
		Restrictive layer	1.00	Slope	1.00	Strength	0.10
		Stoniness	0.50	Rock fragments	0.50		
		Slope	0.50				
		Stickiness/slope	0.50				
		Strength	0.50				
Ninemile	4	Severe		Moderately suited		Severe	
		Stoniness	1.00	Slope	0.50	Strength	1.00
		Restrictive layer	1.00	Stickiness	0.50		
		Stickiness/slope	0.50	Strength	0.50		
		Strength	0.50				
Petescreek	4	Moderate		Poorly suited		Moderate	
		Stoniness	0.50	Slope	1.00	Strength	0.50
		Slope	0.50	Rock fragments	0.50		
Puls	4	Severe		Moderately suited		Moderate	
		Restrictive layer	1.00	Rock fragments	0.50	Strength	0.50
		Strength	0.50	Strength	0.50		
		Stickiness/slope	0.50	Slope	0.50		
134:							
Buckbay	40	Moderate		Poorly suited		Moderate	
		Slope	0.50	Slope	1.00	Strength	0.50
Orhood	25	Severe		Poorly suited		Slight	
		Restrictive layer	1.00	Slope	1.00	Strength	0.10
		Stoniness	0.50	Rock fragments	0.50		
		Slope	0.50				
Fredonyer	20	Severe		Poorly suited		Slight	
		Restrictive layer	1.00	Slope	1.00	Strength	0.10
		Stoniness	0.50	Rock fragments	0.50		
		Slope	0.50				
Searles	8	Severe		Poorly suited		Slight	
		Restrictive layer	1.00	Slope	1.00	Strength	0.10
		Stoniness	0.50	Rock fragments	0.50		
		Slope	0.50				
Jauriga	7	Slight		Moderately suited		Moderate	
				Slope	0.50	Strength	0.50

TABLE 9.--FORESTLAND MANAGEMENT--Continued

Map symbol and soil name	Pct. of map unit	Limitations affecting construction of haul roads and log landings		Suitability for log landings		Soil rutting hazard	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
136:							
Bunanch	90	Moderate		Poorly suited		Slight	
		Slope	0.50	Slope	1.00	Strength	0.10
Ulhalf	5	Severe		Poorly suited		Slight	
		Stoniness	1.00	Slope	1.00	Strength	0.10
		Slope	0.50	Rock fragments	1.00		
Jauriga	4	Slight		Moderately suited		Moderate	
				Slope	0.50	Strength	0.50
Keddie	1	Moderate		Poorly suited		Severe	
		Strength	0.50	Wetness	1.00	Strength	1.00
				Strength	0.50		
137:							
Cagwin	85	Moderate		Poorly suited		Moderate	
		Slope	0.50	Slope	1.00	Strength	0.50
		Sandiness	0.50				
Penstock	5	Moderate		Poorly suited		Slight	
		Stoniness	0.50	Slope	1.00	Strength	0.10
		Slope	0.50	Rock fragments	0.50		
Quartzburg	3	Severe		Poorly suited		Moderate	
		Slope	1.00	Slope	1.00	Strength	0.50
		Stoniness	0.50	Rock fragments	0.50		
				Sandiness	0.50		
Cagwin	3	Moderate		Poorly suited		Slight	
		Slope	0.50	Rock fragments	1.00		
		Stoniness	0.50	Slope	1.00		
Lasco	2	Moderate		Poorly suited		Moderate	
		Slope	0.50	Slope	1.00	Strength	0.50
Cagwin	2	Severe		Poorly suited		Moderate	
		Slope	1.00	Slope	1.00	Strength	0.50
138:							
Cagwin	85	Severe		Poorly suited		Moderate	
		Slope	1.00	Slope	1.00	Strength	0.50
Cagwin family	3	Severe		Poorly suited		Moderate	
		Slope	1.00	Slope	1.00	Strength	0.50
Penstock family	5	Severe		Poorly suited		Slight	
		Slope	1.00	Slope	1.00	Strength	0.10
		Stoniness	0.50	Rock fragments	0.50		
Lasco	5	Severe		Poorly suited		Moderate	
		Slope	1.00	Slope	1.00	Strength	0.50
Cagwin	1	Severe		Poorly suited		Moderate	
		Slope	1.00	Slope	1.00	Strength	0.50
Quartzburg	1	Severe		Poorly suited		Moderate	
		Slope	1.00	Slope	1.00	Strength	0.50
		Stoniness	0.50	Rock fragments	0.50		
				Sandiness	0.50		

TABLE 9.--FORESTLAND MANAGEMENT--Continued

Map symbol and soil name	Pct. of map unit	Limitations affecting construction of haul roads and log landings		Suitability for log landings		Soil rutting hazard	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
152:							
Chimney	90	Slight		Moderately suited Slope	 0.50	Moderate Strength	 0.50
Mottsville	6	Moderate Sandiness	 0.50	Moderately suited Sandiness Slope	 0.50 0.50	Moderate Strength	 0.50
Rock outcrop	4	Not rated		Not rated		Not rated	
153:							
Chimney	85	Slight		Moderately suited Slope	 0.50	Moderate Strength	 0.50
Bonta	8	Slight		Moderately suited Slope	 0.50	Moderate Strength	 0.50
Mottsville	7	Moderate Sandiness	 0.50	Moderately suited Slope Sandiness	 0.50 0.50	Moderate Strength	 0.50
154:							
Chimney	35	Severe Slope	 1.00	Poorly suited Slope	 1.00	Moderate Strength	 0.50
Janile	35	Severe Slope Stoniness	 1.00 0.50	Poorly suited Slope Rock fragments Sandiness	 1.00 1.00 0.50	Moderate Strength	 0.50
Waterman	15	Severe Slope Stoniness	 1.00 0.50	Poorly suited Slope Rock fragments	 1.00 1.00	Moderate Strength	 0.50
Rock outcrop	5	Not rated		Not rated		Not rated	
Mottsville	5	Moderate Slope Sandiness	 0.50 0.50	Poorly suited Slope Sandiness	 1.00 0.50	Moderate Strength	 0.50
Bonta	5	Severe Slope	 1.00	Poorly suited Slope	 1.00	Moderate Strength	 0.50
155:							
Chimney	40	Severe Slope	 1.00	Poorly suited Slope	 1.00	Moderate Strength	 0.50
Janile	30	Severe Slope Stoniness	 1.00 0.50	Poorly suited Slope Rock fragments Sandiness	 1.00 1.00 0.50	Moderate Strength	 0.50
Waterman	15	Severe Slope Stoniness	 1.00 0.50	Poorly suited Slope Rock fragments	 1.00 1.00	Moderate Strength	 0.50
Chimney	8	Severe Slope Stoniness	 1.00 0.50	Poorly suited Rock fragments Slope	 1.00 1.00	Moderate Strength	 0.50
Rock outcrop	7	Not rated		Not rated		Not rated	

TABLE 9.--FORESTLAND MANAGEMENT--Continued

Map symbol and soil name	Pct. of map unit	Limitations affecting construction of haul roads and log landings		Suitability for log landings		Soil rutting hazard	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
156:							
Chimney	65	Moderate		Poorly suited		Moderate	
		Slope	0.50	Slope	1.00	Strength	0.50
Waterman	20	Severe		Poorly suited		Moderate	
		Restrictive layer	1.00	Rock fragments	1.00	Strength	0.50
		Stoniness	0.50	Slope	0.50		
Mottsville	5	Moderate		Poorly suited		Moderate	
		Slope	0.50	Slope	1.00	Strength	0.50
		Sandiness	0.50	Sandiness	0.50		
Massack	5	Moderate		Moderately suited		Severe	
		Flooding	0.50	Flooding	0.50	Strength	1.00
		Strength	0.50	Strength	0.50		
				Wetness	0.50		
Calpine	5	Slight		Moderately suited		Moderate	
				Slope	0.50	Strength	0.50
157:							
Chirpchatter	85	Slight		Moderately suited		Moderate	
				Slope	0.50	Strength	0.50
Ulhalf family	8	Severe		Poorly suited		Slight	
		Stoniness	1.00	Rock fragments	1.00	Strength	0.10
				Slope	0.50		
Gavel family	7	Slight		Moderately suited		Moderate	
				Slope	0.50	Strength	0.50
172:							
Devada	60	Severe		Poorly suited		Slight	
		Stoniness	1.00	Slope	1.00	Strength	0.10
		Restrictive layer	1.00	Rock fragments	1.00		
		Slope	0.50	Sandiness	0.50		
		Stickiness/slope	0.50				
		Strength	0.50				
Gavel	35	Moderate		Poorly suited		Moderate	
		Stoniness	0.50	Slope	1.00	Strength	0.50
		Slope	0.50	Rock fragments	0.50		
Ulhalf	5	Moderate		Poorly suited		Slight	
		Slope	0.50	Slope	1.00	Strength	0.10
173:							
Devada	40	Severe		Poorly suited		Slight	
		Stoniness	1.00	Rock fragments	1.00	Strength	0.10
		Restrictive layer	1.00	Slope	0.50		
Gavel	25	Moderate		Poorly suited		Moderate	
		Stoniness	0.50	Slope	1.00	Strength	0.50
		Slope	0.50	Rock fragments	0.50		
Whitinger	15	Severe		Poorly suited		Slight	
		Restrictive layer	1.00	Slope	1.00	Strength	0.10
		Stoniness	0.50	Rock fragments	0.50		
		Slope	0.50				

TABLE 9.--FORESTLAND MANAGEMENT--Continued

Map symbol and soil name	Pct. of map unit	Limitations affecting construction of haul roads and log landings		Suitability for log landings		Soil rutting hazard	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
Rubble land---	4	Not rated		Not rated		Not rated	
Rock outcrop---	4	Not rated		Not rated		Not rated	
Petescreek---	4	Moderate		Poorly suited		Slight	
		Slope	0.50	Slope	1.00	Strength	0.10
Orhood---	4	Severe		Poorly suited		Slight	
		Restrictive layer	1.00	Slope	1.00	Strength	0.10
		Stoniness	0.50	Rock fragments	0.50		
		Slope	0.50				
Bucklake---	4	Severe		Poorly suited		Slight	
		Restrictive layer	1.00	Slope	1.00	Strength	0.10
		Stoniness	1.00	Rock fragments	1.00		
		Slope	0.50				
		Strength	0.50				
176:							
Devada---	30	Severe		Moderately suited		Slight	
		Stoniness	1.00	Rock fragments	0.50	Strength	0.10
		Restrictive layer	1.00	Slope	0.50		
Orhood---	30	Severe		Poorly suited		Slight	
		Restrictive layer	1.00	Slope	1.00	Strength	0.10
		Stoniness	0.50	Rock fragments	0.50		
		Slope	0.50				
Hart Camp---	25	Moderate		Poorly suited		Severe	
		Slope	0.50	Slope	1.00	Strength	1.00
				Strength	0.50		
Jauriga---	4	Slight		Moderately suited		Moderate	
				Slope	0.50	Strength	0.50
Fiddler---	4	Severe		Poorly suited		Moderate	
		Restrictive layer	1.00	Slope	1.00	Strength	0.50
		Stoniness	1.00	Rock fragments	1.00		
		Slope	0.50	Strength	0.50		
		Strength	0.50				
Searles---	3	Severe		Poorly suited		Slight	
		Stoniness	1.00	Rock fragments	1.00	Strength	0.10
		Restrictive layer	0.50	Slope	0.50		
Rock outcrop---	2	Not rated		Not rated		Not rated	
Aquolls---	1	Severe		Poorly suited		Moderate	
		Wetness	1.00	Wetness	1.00	Wetness	0.50
						Strength	0.50
Rubble land---	1	Not rated		Not rated		Not rated	
177:							
Devada---	40	Severe		Poorly suited		Slight	
		Slope	1.00	Slope	1.00	Strength	0.10
		Stoniness	0.50	Rock fragments	0.50		
		Strength	0.50				
Papeek---	30	Severe		Poorly suited		Moderate	
		Slope	1.00	Slope	1.00	Strength	0.50
		Strength	0.50				
Gavel---	20	Severe		Poorly suited		Moderate	
		Slope	1.00	Slope	1.00	Strength	0.50
		Stoniness	0.50	Rock fragments	0.50		

TABLE 9.--FORESTLAND MANAGEMENT--Continued

Map symbol and soil name	Pct. of map unit	Limitations affecting construction of haul roads and log landings		Suitability for log landings		Soil rutting hazard	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
Whitinger	5	Severe		Poorly suited		Slight	
		Slope	1.00	Slope	1.00	Strength	0.10
		Stoniness	0.50	Rock fragments	0.50		
Gavel	5	Severe		Poorly suited		Moderate	
		Slope	1.00	Slope	1.00	Strength	0.50
		Stoniness	0.50	Rock fragments	0.50		
178:							
Devada	40	Severe		Poorly suited		Slight	
		Stoniness	1.00	Rock fragments	1.00	Strength	0.10
		Restrictive layer	1.00	Slope	0.50		
Petescreek	25	Moderate		Poorly suited		Slight	
		Slope	0.50	Slope	1.00	Strength	0.10
Fiddler	20	Severe		Poorly suited		Moderate	
		Stoniness	1.00	Rock fragments	1.00	Strength	0.50
		Restrictive layer	1.00	Slope	1.00		
		Slope	0.50	Strength	0.50		
		Strength	0.50				
Longcreek	3	Severe		Poorly suited		Slight	
		Restrictive layer	1.00	Slope	1.00	Strength	0.10
		Stoniness	1.00	Rock fragments	1.00		
		Slope	0.50				
		Strength	0.50				
		Stickiness/slope	0.50				
Fredonyer	3	Severe		Poorly suited		Slight	
		Restrictive layer	1.00	Slope	1.00	Strength	0.10
		Stoniness	1.00	Rock fragments	1.00		
		Slope	0.50				
Bucklake	3	Moderate		Moderately suited		Slight	
		Restrictive layer	0.50	Slope	0.50	Strength	0.10
				Rock fragments	0.50		
Dune land	2	Not rated		Not rated		Not rated	
Tunnison	2	Moderate		Poorly suited		Severe	
		Slope	0.50	Slope	1.00	Strength	1.00
		Stickiness/slope	0.50	Rock fragments	0.50		
		Restrictive layer	0.50	Stickiness	0.50		
		Strength	0.50	Strength	0.50		
Madeline	2	Severe		Poorly suited		Severe	
		Restrictive layer	1.00	Slope	1.00	Strength	1.00
		Stoniness	1.00	Rock fragments	1.00		
		Slope	0.50	Strength	0.50		
		Strength	0.50				
		Stickiness/slope	0.50				
184:							
Eaglelake	85	Slight		Moderately suited		Slight	
				Slope	0.50	Strength	0.10
Outland	5	Severe		Moderately suited		Slight	
		Stoniness	1.00	Rock fragments	0.50	Strength	0.10
				Slope	0.50		
Rock outcrop	5	Not rated		Not rated		Not rated	
Eaglelake	5	Severe		Poorly suited		Slight	
		Stoniness	1.00	Rock fragments	1.00	Strength	0.10
				Slope	0.50		

TABLE 9.--FORESTLAND MANAGEMENT--Continued

Map symbol and soil name	Pct. of map unit	Limitations affecting construction of haul roads and log landings		Suitability for log landings		Soil rutting hazard	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
185:							
Eaglelake----------	50	Moderate		Poorly suited		Slight	
		Slope	0.50	Slope	1.00	Strength	0.10
Outland----------	25	Moderate		Poorly suited		Slight	
		Slope	0.50	Slope	1.00	Strength	0.10
Weste----------	15	Severe		Poorly suited		Slight	
		Stoniness	1.00	Slope	1.00	Strength	0.10
		Restrictive layer	1.00	Rock fragments	1.00		
		Slope	0.50	Sandiness	0.50		
		Sandiness	0.50				
Inville----------	5	Moderate		Poorly suited		Slight	
		Slope	0.50	Slope	1.00	Strength	0.10
Outland----------	3	Severe		Poorly suited		Slight	
		Stoniness	1.00	Slope	1.00	Strength	0.10
		Slope	0.50	Rock fragments	1.00		
Rock outcrop--------	2	Not rated		Not rated		Not rated	
186:							
Eaglelake----------	45	Severe		Poorly suited		Slight	
		Slope	1.00	Slope	1.00	Strength	0.10
Outland----------	25	Severe		Poorly suited		Slight	
		Slope	1.00	Slope	1.00	Strength	0.10
Weste----------	15	Severe		Poorly suited		Slight	
		Slope	1.00	Slope	1.00	Strength	0.10
		Stoniness	1.00	Rock fragments	1.00		
				Sandiness	0.50		
Rubble land---------	5	Not rated		Not rated		Not rated	
Rock outcrop--------	5	Not rated		Not rated		Not rated	
Easte----------	5	Severe		Poorly suited		Slight	
		Slope	1.00	Slope	1.00	Strength	0.10
				Sandiness	0.50		
187:							
Eaglelake----------	45	Moderate		Poorly suited		Slight	
		Slope	0.50	Slope	1.00	Strength	0.10
		Strength	0.50				
Outland----------	25	Moderate		Poorly suited		Slight	
		Stoniness	0.50	Slope	1.00	Strength	0.10
		Slope	0.50	Rock fragments	0.50		
Weste----------	15	Severe		Poorly suited		Slight	
		Restrictive layer	1.00	Slope	1.00	Strength	0.10
		Stoniness	0.50	Rock fragments	0.50		
		Slope	0.50	Sandiness	0.50		
		Sandiness	0.50				
Rubble land---------	5	Not rated		Not rated		Not rated	
Easte----------	4	Moderate		Poorly suited		Slight	
		Slope	0.50	Slope	1.00	Strength	0.10
		Sandiness	0.50	Sandiness	0.50		
Outland----------	3	Moderate		Poorly suited		Slight	
		Stoniness	0.50	Slope	1.00	Strength	0.10
		Slope	0.50	Rock fragments	0.50		

TABLE 9.--FORESTLAND MANAGEMENT--Continued

Map symbol and soil name	Pct. of map unit	Limitations affecting construction of haul roads and log landings		Suitability for log landings		Soil rutting hazard	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
Weste	3	Severe		Poorly suited		Slight	
		Stoniness	1.00	Slope	1.00	Strength	0.10
		Restrictive layer	1.00	Rock fragments	1.00		
		Slope	0.50	Sandiness	0.50		
		Sandiness	0.50				
188:							
Eaglelake	45	Severe		Poorly suited		Slight	
		Slope	1.00	Slope	1.00	Strength	0.10
		Strength	0.50				
Outland	25	Severe		Poorly suited		Slight	
		Slope	1.00	Slope	1.00	Strength	0.10
		Stoniness	0.50	Rock fragments	0.50		
Weste	15	Severe		Poorly suited		Slight	
		Slope	1.00	Slope	1.00	Strength	0.10
		Stoniness	0.50	Rock fragments	0.50		
				Sandiness	0.50		
Deadwood	8	Severe		Poorly suited		Slight	
		Slope	1.00	Slope	1.00	Strength	0.10
				Sandiness	0.50		
Eaglelake	7	Severe		Poorly suited		Slight	
		Slope	1.00	Slope	1.00	Strength	0.10
		Stoniness	0.50	Rock fragments	0.50		
		Strength	0.50				
189:							
Easte	55	Severe		Poorly suited		Slight	
		Slope	1.00	Slope	1.00	Strength	0.10
Fredonyer	30	Severe		Poorly suited		Slight	
		Slope	1.00	Slope	1.00	Strength	0.10
		Stoniness	1.00	Rock fragments	1.00		
Petescreek	4	Severe		Poorly suited		Slight	
		Slope	1.00	Slope	1.00	Strength	0.10
Glean	3	Severe		Poorly suited		Slight	
		Slope	1.00	Slope	1.00	Strength	0.10
		Stoniness	1.00	Rock fragments	1.00		
Said	3	Severe		Poorly suited		Slight	
		Slope	1.00	Slope	1.00	Strength	0.10
Rubble land	2	Not rated		Not rated		Not rated	
Xerolls	2	Severe		Poorly suited		Moderate	
		Slope	1.00	Slope	1.00	Strength	0.50
				Wetness	1.00		
Eaglelake family	1	Severe		Poorly suited		Slight	
		Slope	1.00	Slope	1.00	Strength	0.10
190:							
Easte	50	Moderate		Poorly suited		Slight	
		Slope	0.50	Slope	1.00	Strength	0.10
		Sandiness	0.50	Sandiness	0.50		
Roop	35	Severe		Poorly suited		Slight	
		Stoniness	1.00	Rock fragments	1.00	Strength	0.10
		Restrictive layer	0.50	Slope	1.00		
		Slope	0.50				
Rock outcrop	4	Not rated		Not rated		Not rated	

TABLE 9.--FORESTLAND MANAGEMENT--Continued

Map symbol and soil name	Pct. of map unit	Limitations affecting construction of haul roads and log landings		Suitability for log landings		Soil rutting hazard	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
Outland----------	4	Moderate		Poorly suited		Slight	
		Stoniness	0.50	Slope	1.00	Strength	0.10
		Slope	0.50	Rock fragments	0.50		
Rubble land---------	3	Not rated		Not rated		Not rated	
Roop----------	2	Severe		Poorly suited		Slight	
		Stoniness	1.00	Slope	1.00	Strength	0.10
		Restrictive layer	0.50	Rock fragments	1.00		
		Slope	0.50				
Easte----------	2	Severe		Poorly suited		Slight	
		Slope	1.00	Slope	1.00	Strength	0.10
		Stoniness	1.00	Rock fragments	1.00		
				Sandiness	0.50		
191:							
Easte----------	50	Severe		Poorly suited		Slight	
		Slope	1.00	Slope	1.00	Strength	0.10
				Sandiness	0.50		
Roop----------	40	Severe		Poorly suited		Slight	
		Slope	1.00	Slope	1.00	Strength	0.10
		Stoniness	1.00	Rock fragments	1.00		
Outland----------	5	Severe		Poorly suited		Slight	
		Slope	1.00	Slope	1.00	Strength	0.10
		Stoniness	0.50	Rock fragments	0.50		
Rock outcrop--------	3	Not rated		Not rated		Not rated	
Rubble land---------	2	Not rated		Not rated		Not rated	
194:							
Fiddler----------	35	Severe		Poorly suited		Moderate	
		Restrictive layer	1.00	Slope	1.00	Strength	0.50
		Stoniness	0.50	Rock fragments	0.50		
		Slope	0.50	Strength	0.50		
		Strength	0.50				
Gavel----------	30	Moderate		Poorly suited		Moderate	
		Slope	0.50	Slope	1.00	Strength	0.50
Rubble land---------	15	Not rated		Not rated		Not rated	
Devada----------	7	Severe		Poorly suited		Slight	
		Restrictive layer	1.00	Slope	1.00	Strength	0.10
		Stoniness	0.50	Rock fragments	0.50		
		Slope	0.50				
		Strength	0.50				
		Stickiness/slope	0.50				
Orhood----------	6	Severe		Poorly suited		Slight	
		Restrictive layer	1.00	Slope	1.00	Strength	0.10
		Stoniness	0.50	Rock fragments	0.50		
		Slope	0.50				
Rock outcrop--------	3	Not rated		Not rated		Not rated	
Whitinger----------	2	Severe		Poorly suited		Slight	
		Restrictive layer	1.00	Slope	1.00	Strength	0.10
		Stoniness	0.50	Rock fragments	0.50		
		Slope	0.50				
Said----------	2	Moderate		Poorly suited		Slight	
		Slope	0.50	Slope	1.00	Strength	0.10

TABLE 9.--FORESTLAND MANAGEMENT--Continued

Map symbol and soil name	Pct. of map unit	Limitations affecting construction of haul roads and log landings		Suitability for log landings		Soil rutting hazard	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
195:							
Fiddler	40	Severe		Poorly suited		Moderate	
		Slope	1.00	Slope	1.00	Strength	0.50
		Stoniness	0.50	Rock fragments	0.50		
		Strength	0.50	Strength	0.50		
Gavel	25	Severe		Poorly suited		Moderate	
		Slope	1.00	Slope	1.00	Strength	0.50
Rubble land	15	Not rated		Not rated		Not rated	
Orhood	5	Severe		Poorly suited		Slight	
		Slope	1.00	Slope	1.00	Strength	0.10
		Stoniness	0.50	Rock fragments	0.50		
Devada	5	Severe		Poorly suited		Slight	
		Slope	1.00	Slope	1.00	Strength	0.10
		Stoniness	0.50	Rock fragments	0.50		
		Strength	0.50				
Rock outcrop	4	Not rated		Not rated		Not rated	
Whitinger	4	Severe		Poorly suited		Slight	
		Slope	1.00	Slope	1.00	Strength	0.10
		Stoniness	0.50	Rock fragments	0.50		
Said	2	Severe		Poorly suited		Slight	
		Slope	1.00	Slope	1.00	Strength	0.10
196:							
Fiddler	45	Severe		Poorly suited		Moderate	
		Restrictive layer	1.00	Slope	1.00	Strength	0.50
		Stoniness	0.50	Rock fragments	0.50		
		Slope	0.50	Strength	0.50		
		Strength	0.50				
Madeline	35	Severe		Poorly suited		Severe	
		Stoniness	1.00	Rock fragments	1.00	Strength	1.00
		Restrictive layer	1.00	Slope	1.00		
		Slope	0.50	Strength	0.50		
		Stickiness/slope	0.50				
		Strength	0.50				
Orhood	5	Severe		Poorly suited		Slight	
		Restrictive layer	1.00	Slope	1.00	Strength	0.10
		Stoniness	0.50	Rock fragments	0.50		
		Slope	0.50				
Devada	5	Severe		Poorly suited		Slight	
		Stoniness	1.00	Rock fragments	1.00	Strength	0.10
		Restrictive layer	1.00	Slope	1.00		
		Slope	0.50				
		Stickiness/slope	0.50				
		Strength	0.50				
Rock outcrop	4	Not rated		Not rated		Not rated	
Fivesprings	3	Severe		Poorly suited		Slight	
		Stoniness	1.00	Rock fragments	1.00	Strength	0.10
		Restrictive layer	0.50	Slope	0.50		
Petescreek	3	Slight		Moderately suited		Slight	
				Slope	0.50	Strength	0.10

TABLE 9.--FORESTLAND MANAGEMENT--Continued

Map symbol and soil name	Pct. of map unit	Limitations affecting construction of haul roads and log landings		Suitability for log landings		Soil rutting hazard	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
197:							
Fiddler	30	Severe		Poorly suited		Moderate	
		Restrictive layer	1.00	Slope	1.00	Strength	0.50
		Stoniness	0.50	Rock fragments	0.50		
		Slope	0.50	Strength	0.50		
		Strength	0.50				
Orhood	30	Severe		Moderately suited		Slight	
		Stoniness	1.00	Rock fragments	0.50	Strength	0.10
		Restrictive layer	1.00	Slope	0.50		
Petescreek	25	Moderate		Poorly suited		Slight	
		Slope	0.50	Slope	1.00	Strength	0.10
Home Camp	5	Moderate		Moderately suited		Moderate	
		Stoniness	0.50	Rock fragments	0.50	Strength	0.50
		Restrictive layer	0.50	Slope	0.50		
Fredonyer	4	Severe		Poorly suited		Slight	
		Stoniness	1.00	Rock fragments	1.00	Strength	0.10
		Restrictive layer	1.00	Slope	1.00		
		Slope	0.50				
Buckbay	3	Moderate		Poorly suited		Moderate	
		Slope	0.50	Slope	1.00	Strength	0.50
Badenaugh	3	Moderate		Moderately suited		Moderate	
		Stoniness	0.50	Rock fragments	0.50	Strength	0.50
				Slope	0.50		
207:							
Forgay	85	Moderate		Moderately suited		Slight	
		Sandiness	0.50	Sandiness	0.50	Strength	0.10
Mountmed, clay loam-	8	Severe		Poorly suited		Severe	
		Flooding	1.00	Ponding	1.00	Strength	1.00
		Strength	0.50	Flooding	1.00		
				Strength	0.50		
Urban land	7	Not rated		Not rated		Not rated	
208:							
Forgay	80	Moderate		Moderately suited		Slight	
		Sandiness	0.50	Sandiness	0.50	Strength	0.10
Urban land	5	Not rated		Not rated		Not rated	
Forgay	5	Moderate		Moderately suited		Slight	
		Stoniness	0.50	Rock fragments	0.50	Strength	0.10
		Sandiness	0.50	Sandiness	0.50		
Riverwash, extremely gravelly coarse sand	5	Not rated		Not rated		Not rated	
Fluvents	5	Severe		Poorly suited		Severe	
		Flooding	1.00	Flooding	1.00	Strength	1.00
				Strength	0.50		
211:							
Fraval	40	Moderate		Poorly suited		Slight	
		Slope	0.50	Slope	1.00	Strength	0.10

TABLE 9.--FORESTLAND MANAGEMENT--Continued

Map symbol and soil name	Pct. of map unit	Limitations affecting construction of haul roads and log landings		Suitability for log landings		Soil rutting hazard	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
Fredonyer	25	Severe		Poorly suited		Slight	
		Restrictive layer	1.00	Slope	1.00	Strength	0.10
		Stoniness	0.50	Rock fragments	0.50		
		Slope	0.50				
Said	20	Moderate		Poorly suited		Slight	
		Slope	0.50	Slope	1.00	Strength	0.10
Keddie, loam	3	Moderate		Poorly suited		Severe	
		Strength	0.50	Wetness	1.00	Strength	1.00
				Strength	0.50		
Rubble land	2	Not rated		Not rated		Not rated	
Rock outcrop	2	Not rated		Not rated		Not rated	
Searles, very stony loam	2	Severe		Poorly suited		Slight	
		Restrictive layer	1.00	Slope	1.00	Strength	0.10
		Stoniness	1.00	Rock fragments	1.00		
		Slope	0.50				
Petescreek, gravelly loam	2	Moderate		Poorly suited		Moderate	
		Stoniness	0.50	Slope	1.00	Strength	0.50
		Slope	0.50	Rock fragments	0.50		
Ninemile, very stony loam	2	Severe		Poorly suited		Severe	
		Stoniness	1.00	Rock fragments	1.00	Strength	1.00
		Restrictive layer	1.00	Slope	0.50		
		Stickiness/slope	0.50	Stickiness	0.50		
		Strength	0.50	Strength	0.50		
Orhood, very stony sandy loam	2	Severe		Poorly suited		Slight	
		Restrictive layer	1.00	Slope	1.00	Strength	0.10
		Stoniness	0.50	Rock fragments	0.50		
		Slope	0.50				
212:							
Fraval	60	Moderate		Poorly suited		Slight	
		Slope	0.50	Slope	1.00	Strength	0.10
Said	30	Moderate		Poorly suited		Moderate	
		Slope	0.50	Slope	1.00	Strength	0.50
Rock outcrop	5	Not rated		Not rated		Not rated	
Fredonyer, very stony loam	3	Severe		Poorly suited		Slight	
		Restrictive layer	1.00	Slope	1.00	Strength	0.10
		Stoniness	0.50	Rock fragments	0.50		
		Slope	0.50				
Ninemile, very stony loam	2	Severe		Poorly suited		Severe	
		Stoniness	1.00	Rock fragments	1.00	Strength	1.00
		Restrictive layer	1.00	Slope	0.50		
		Stickiness/slope	0.50	Stickiness	0.50		
		Strength	0.50	Strength	0.50		
213:							
Fredonyer	45	Severe		Poorly suited		Slight	
		Slope	1.00	Slope	1.00	Strength	0.10
		Stoniness	0.50	Rock fragments	0.50		

TABLE 9.--FORESTLAND MANAGEMENT--Continued

Map symbol and soil name	Pct. of map unit	Limitations affecting construction of haul roads and log landings		Suitability for log landings		Soil rutting hazard	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
Whitinger----------	25	Severe		Poorly suited		Slight	
		Slope	1.00	Slope	1.00	Strength	0.10
		Stoniness	0.50	Rock fragments	0.50		
Orhood----------	15	Severe		Poorly suited		Slight	
		Slope	1.00	Slope	1.00	Strength	0.10
		Stoniness	0.50	Rock fragments	0.50		
Badenaugh, stony sandy loam---------	3	Severe		Poorly suited		Moderate	
		Slope	1.00	Slope	1.00	Strength	0.50
		Stoniness	0.50	Rock fragments	0.50		
Rubble land---------	2	Not rated		Not rated		Not rated	
Rock outcrop--------	2	Not rated		Not rated		Not rated	
Searles, very stony loam----------	2	Severe		Poorly suited		Slight	
		Slope	1.00	Slope	1.00	Strength	0.10
		Stoniness	1.00	Rock fragments	1.00		
Petescreek, very gravelly loam------	2	Moderate		Poorly suited		Slight	
		Slope	0.50	Slope	1.00	Strength	0.10
Hapgood, stony loam-	2	Moderate		Poorly suited		Moderate	
		Stoniness	0.50	Slope	1.00	Strength	0.50
		Slope	0.50	Rock fragments	0.50		
		Restrictive layer	0.50				
Fiddler, very stony loam----------	2	Severe		Poorly suited		Moderate	
		Slope	1.00	Slope	1.00	Strength	0.50
		Stoniness	0.50	Rock fragments	0.50		
		Strength	0.50	Strength	0.50		
218:							
Gavel----------	85	Moderate		Poorly suited		Moderate	
		Stoniness	0.50	Slope	1.00	Strength	0.50
		Slope	0.50	Rock fragments	0.50		
Devada, very cobbly loam----------	8	Severe		Poorly suited		Slight	
		Restrictive layer	1.00	Slope	1.00	Strength	0.10
		Stoniness	0.50	Rock fragments	0.50		
		Slope	0.50				
		Strength	0.50				
		Stickiness/slope	0.50				
Searles, very stony loam----------	7	Severe		Poorly suited		Slight	
		Restrictive layer	1.00	Slope	1.00	Strength	0.10
		Stoniness	1.00	Rock fragments	1.00		
		Slope	0.50				
219:							
Gavel----------	55	Severe		Poorly suited		Slight	
		Slope	1.00	Slope	1.00	Strength	0.10
		Stoniness	1.00	Rock fragments	1.00		
Devada----------	35	Severe		Poorly suited		Slight	
		Slope	1.00	Slope	1.00	Strength	0.10
		Stoniness	0.50	Rock fragments	0.50		
		Strength	0.50				

TABLE 9.--FORESTLAND MANAGEMENT--Continued

Map symbol and soil name	Pct. of map unit	Limitations affecting construction of haul roads and log landings		Suitability for log landings		Soil rutting hazard	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
Devada, very cobbly loam	10	Severe Slope Stoniness Strength	 1.00 0.50 0.50	Poorly suited Slope Rock fragments	 1.00 0.50	Slight Strength	 0.10
223:							
Gerle	90	Slight		Well suited		Moderate Strength	 0.50
Gerle, gravelly sandy loam	5	Slight		Well suited		Moderate Strength	 0.50
Gerle	5	Moderate Stoniness	 0.50	Moderately suited Rock fragments	 0.50	Moderate Strength	 0.50
224:							
Gerle	85	Severe Slope	 1.00	Poorly suited Slope	 1.00	Moderate Strength	 0.50
Gerle	5	Severe Slope Stoniness	 1.00 0.50	Poorly suited Rock fragments Slope	 1.00 1.00	Moderate Strength	 0.50
Rock outcrop	5	Not rated		Not rated		Not rated	
Mottsville, gravelly loamy coarse sand	5	Severe Slope	 1.00	Poorly suited Slope Sandiness	 1.00 0.50	Moderate Strength	 0.50
225:							
Gerle	50	Severe Slope Stoniness	 1.00 1.00	Poorly suited Slope Rock fragments	 1.00 1.00	Moderate Strength	 0.50
Gerle	25	Severe Slope	 1.00	Poorly suited Slope	 1.00	Moderate Strength	 0.50
Gerle	15	Severe Slope	 1.00	Poorly suited Slope	 1.00	Moderate Strength	 0.50
Rock outcrop	10	Not rated		Not rated		Not rated	
232:							
Hangtown	75	Severe Slope Stoniness	 1.00 0.50	Poorly suited Slope Rock fragments	 1.00 0.50	Slight Strength	 0.10
Hangtown	5	Severe Slope Stoniness	 1.00 0.50	Poorly suited Rock fragments Slope	 1.00 1.00	Slight Strength	 0.10
Rock outcrop	5	Not rated		Not rated		Not rated	
Penstock, stony loam	5	Severe Slope Stoniness	 1.00 0.50	Poorly suited Slope Rock fragments	 1.00 0.50	Slight Strength	 0.10
Scaribou, stony loam	5	Severe Slope Stoniness	 1.00 0.50	Poorly suited Slope Rock fragments	 1.00 0.50	Slight Strength	 0.10
Deadwood, very gravelly sandy loam	5	Severe Slope	 1.00	Poorly suited Slope Sandiness	 1.00 0.50	Slight Strength	 0.10

TABLE 9.--FORESTLAND MANAGEMENT--Continued

Map symbol and soil name	Pct. of map unit	Limitations affecting construction of haul roads and log landings		Suitability for log landings		Soil rutting hazard	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
256:							
Indiano	45	Severe		Poorly suited		Slight	
		Slope	1.00	Slope	1.00	Strength	0.10
		Stoniness	0.50	Rock fragments	0.50		
		Strength	0.50				
Zephan	30	Severe		Poorly suited		Moderate	
		Slope	1.00	Slope	1.00	Strength	0.50
		Stoniness	0.50	Rock fragments	0.50		
Duco	15	Severe		Poorly suited		Moderate	
		Slope	1.00	Slope	1.00	Strength	0.50
		Stoniness	0.50	Rock fragments	0.50		
Barnard, stony sandy loam	2	Moderate		Moderately suited		Moderate	
		Stoniness	0.50	Rock fragments	0.50	Strength	0.50
		Restrictive layer	0.50	Slope	0.50		
Graufels, bouldery sand	2	Severe		Poorly suited		Moderate	
		Slope	1.00	Slope	1.00	Strength	0.50
		Stoniness	0.50	Rock fragments	1.00		
				Sandiness	0.50		
Glenbrook, gravelly loamy coarse sand	2	Severe		Poorly suited		Moderate	
		Slope	1.00	Slope	1.00	Strength	0.50
				Sandiness	0.50		
Glean, very stony loam	2	Severe		Poorly suited		Slight	
		Slope	1.00	Slope	1.00	Strength	0.10
		Stoniness	1.00	Rock fragments	1.00		
Corral, very cobbly loam	2	Severe		Poorly suited		Slight	
		Slope	1.00	Slope	1.00	Strength	0.10
		Stoniness	0.50	Rock fragments	0.50		
		Strength	0.50				
257:							
Inville	85	Slight		Well suited		Slight	
						Strength	0.10
Mountmed, clay loam	8	Severe		Poorly suited		Severe	
		Flooding	1.00	Ponding	1.00	Strength	1.00
		Strength	0.50	Flooding	1.00		
				Strength	0.50		
Swainow, very gravelly sandy loam	7	Slight		Moderately suited		Slight	
				Slope	0.50	Strength	0.10
259:							
Jauriga	40	Slight		Moderately suited		Moderate	
				Slope	0.50	Strength	0.50
Buckbay	25	Slight		Moderately suited		Moderate	
				Slope	0.50	Strength	0.50
Fredonyer	20	Severe		Poorly suited		Slight	
		Restrictive layer	1.00	Slope	1.00	Strength	0.10
		Stoniness	1.00	Rock fragments	1.00		
		Slope	0.50				

TABLE 9.--FORESTLAND MANAGEMENT--Continued

Map symbol and soil name	Pct. of map unit	Limitations affecting construction of haul roads and log landings		Suitability for log landings		Soil rutting hazard	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
Rubble land---------	5	Not rated		Not rated		Not rated	
Rock outcrop--------	5	Not rated		Not rated		Not rated	
Petescreek, gravelly loam----------	5	Moderate Stoniness Slope	 0.50 0.50	Poorly suited Slope Rock fragments	 1.00 0.50	Moderate Strength	0.50
266:							
Lasco----------	90	Slight		Moderately suited Slope	 0.50	Moderate Strength	0.50
Lasco----------	5	Moderate Stoniness	 0.50	Moderately suited Rock fragments Slope	 0.50 0.50	Moderate Strength	0.50
Scaribou, very gravelly loam------	5	Slight		Moderately suited Slope	 0.50	Slight Strength	0.10
267:							
Lasco----------	95	Severe Slope	 1.00	Poorly suited Slope	 1.00	Moderate Strength	0.50
Bonta, gravelly sandy loam---------	5	Severe Slope	 1.00	Poorly suited Slope	 1.00	Moderate Strength	0.50
268:							
Lasco----------	90	Moderate Slope	 0.50	Poorly suited Slope	 1.00	Moderate Strength	0.50
Waterman----------	5	Severe Restrictive layer Stoniness Slope Sandiness	 1.00 0.50 0.50 0.50	Poorly suited Slope Rock fragments	 1.00 1.00	Moderate Strength	0.50
Dotta, gravelly loam	5	Slight		Moderately suited Slope	 0.50	Moderate Strength	0.50
269:							
Lasco----------	65	Moderate Slope	 0.50	Poorly suited Slope	 1.00	Moderate Strength	0.50
Bonta----------	25	Moderate Slope	 0.50	Poorly suited Slope	 1.00	Moderate Strength	0.50
Chirpchatter, sandy loam----------	4	Slight		Moderately suited Slope	 0.50	Moderate Strength	0.50
Chimney, gravelly loamy coarse sand--	3	Moderate Slope	 0.50	Poorly suited Slope	 1.00	Moderate Strength	0.50
Cagwin----------	3	Moderate Slope Sandiness	 0.50 0.50	Poorly suited Slope	 1.00	Moderate Strength	0.50

TABLE 9.--FORESTLAND MANAGEMENT--Continued

Map symbol and soil name	Pct. of map unit	Limitations affecting construction of haul roads and log landings		Suitability for log landings		Soil rutting hazard	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
298:							
Ninemile----------	30	Severe		Poorly suited		Moderate	
		Stoniness	1.00	Rock fragments	1.00	Strength	0.50
		Restrictive layer	1.00	Stickiness	0.50		
		Stickiness/slope	0.50	Strength	0.50		
		Strength	0.50				
Petescreek----------	30	Slight		Moderately suited		Moderate	
				Slope	0.50	Strength	0.50
Fiddler----------	25	Severe		Poorly suited		Moderate	
		Restrictive layer	1.00	Slope	1.00	Strength	0.50
		Stoniness	0.50	Rock fragments	0.50		
		Slope	0.50	Strength	0.50		
		Strength	0.50				
Rock outcrop--------	5	Not rated		Not rated		Not rated	
Fredonyer, very stony loam---------	5	Severe		Poorly suited		Slight	
		Restrictive layer	1.00	Slope	1.00	Strength	0.10
		Stoniness	0.50	Rock fragments	0.50		
		Slope	0.50				
Devada, very stony loam----------	5	Severe		Poorly suited		Slight	
		Stoniness	1.00	Rock fragments	1.00	Strength	0.10
		Restrictive layer	1.00	Slope	1.00		
		Slope	0.50				
		Stickiness/slope	0.50				
		Strength	0.50				
299:							
Ninemile----------	50	Severe		Moderately suited		Moderate	
		Restrictive layer	1.00	Rock fragments	0.50	Strength	0.50
		Stoniness	0.50	Stickiness	0.50		
		Stickiness/slope	0.50	Strength	0.50		
		Strength	0.50				
Weste----------	35	Moderate		Moderately suited		Slight	
		Sandiness	0.50	Sandiness	0.50	Strength	0.10
		Restrictive layer	0.50				
Mountmed, clay loam-	8	Severe		Poorly suited		Severe	
		Flooding	1.00	Ponding	1.00	Strength	1.00
		Strength	0.50	Flooding	1.00		
				Strength	0.50		
Rock outcrop--------	7	Not rated		Not rated		Not rated	
302:							
Orhood----------	80	Severe		Moderately suited		Slight	
		Stoniness	1.00	Rock fragments	0.50	Strength	0.10
		Restrictive layer	1.00	Slope	0.50		
Incy, fine sand-----	8	Moderate		Moderately suited		Moderate	
		Sandiness	0.50	Slope	0.50	Strength	0.50
				Sandiness	0.50		
Searles, very stony loam----------	6	Severe		Poorly suited		Slight	
		Stoniness	1.00	Rock fragments	1.00	Strength	0.10
		Restrictive layer	0.50	Slope	0.50		

TABLE 9.--FORESTLAND MANAGEMENT--Continued

Map symbol and soil name	Pct. of map unit	Limitations affecting construction of haul roads and log landings		Suitability for log landings		Soil rutting hazard	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
Puls, very stony loam	6	Severe		Poorly suited		Moderate	
		Stoniness	1.00	Rock fragments	1.00	Strength	0.50
		Restrictive layer	1.00	Strength	0.50		
		Strength	0.50	Slope	0.50		
		Stickiness/slope	0.50				
304:							
Outland	75	Severe		Poorly suited		Slight	
		Slope	1.00	Slope	1.00	Strength	0.10
		Stoniness	1.00	Rock fragments	1.00		
Rock outcrop	10	Not rated		Not rated		Not rated	
Rubble land	10	Not rated		Not rated		Not rated	
Eaglelake, very gravelly loam	5	Severe		Poorly suited		Slight	
		Slope	1.00	Slope	1.00	Strength	0.10
305:							
Outland	60	Slight		Moderately suited		Slight	
				Slope	0.50	Strength	0.10
Outland	30	Severe		Poorly suited		Slight	
		Stoniness	1.00	Slope	1.00	Strength	0.10
		Slope	0.50	Rock fragments	1.00		
Eaglelake, very gravelly loam	5	Moderate		Poorly suited		Slight	
		Slope	0.50	Slope	1.00	Strength	0.10
Rock outcrop	5	Not rated		Not rated		Not rated	
306:							
Outland	60	Moderate		Poorly suited		Slight	
		Stoniness	0.50	Slope	1.00	Strength	0.10
		Slope	0.50	Rock fragments	0.50		
Penstock	25	Moderate		Poorly suited		Slight	
		Slope	0.50	Slope	1.00	Strength	0.10
Deadwood, very gravelly sandy loam	8	Severe		Poorly suited		Slight	
		Restrictive layer	1.00	Slope	1.00	Strength	0.10
		Slope	0.50	Sandiness	0.50		
		Sandiness	0.50				
Easte, very gravelly sandy loam	7	Moderate		Poorly suited		Slight	
		Slope	0.50	Slope	1.00	Strength	0.10
		Sandiness	0.50	Sandiness	0.50		
307:							
Outland	60	Severe		Poorly suited		Slight	
		Slope	1.00	Slope	1.00	Strength	0.10
		Stoniness	0.50	Rock fragments	0.50		
Penstock	25	Severe		Poorly suited		Slight	
		Slope	1.00	Slope	1.00	Strength	0.10
Fiddler, very stony loam	8	Severe		Poorly suited		Slight	
		Slope	1.00	Slope	1.00		
Easte, deep to bedrock	7	Severe		Poorly suited		Slight	
		Slope	1.00	Slope	1.00		

TABLE 9.--FORESTLAND MANAGEMENT--Continued

Map symbol and soil name	Pct. of map unit	Limitations affecting construction of haul roads and log landings		Suitability for log landings		Soil rutting hazard	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
308:							
Papeek	85	Moderate		Poorly suited		Severe	
		Slope	0.50	Slope	1.00	Strength	1.00
		Strength	0.50	Strength	0.50		
Ulhalf, very gravelly sandy loam	8	Severe		Poorly suited		Slight	
		Stoniness	1.00	Slope	1.00	Strength	0.10
		Slope	0.50	Rock fragments	1.00		
Papeek, clay loam	7	Moderate		Poorly suited		Severe	
		Slope	0.50	Slope	1.00	Strength	1.00
		Strength	0.50	Strength	0.50		
309:							
Papeek	95	Severe		Poorly suited		Severe	
		Slope	1.00	Slope	1.00	Strength	1.00
		Strength	0.50	Strength	0.50		
Deadwood, very gravelly sandy loam	5	Severe		Poorly suited		Slight	
		Slope	1.00	Slope	1.00	Strength	0.10
				Sandiness	0.50		
310:							
Penstock	65	Moderate		Poorly suited		Slight	
		Slope	0.50	Slope	1.00	Strength	0.10
Deadwood	25	Severe		Poorly suited		Slight	
		Restrictive layer	1.00	Slope	1.00	Strength	0.10
		Slope	0.50	Sandiness	0.50		
		Sandiness	0.50				
Rock outcrop	5	Not rated		Not rated		Not rated	
Scaribou, very gravelly loam	5	Moderate		Poorly suited		Slight	
		Slope	0.50	Slope	1.00	Strength	0.10
311:							
Penstock	50	Severe		Poorly suited		Slight	
		Slope	1.00	Slope	1.00	Strength	0.10
Deadwood	20	Severe		Poorly suited		Slight	
		Slope	1.00	Slope	1.00	Strength	0.10
				Sandiness	0.50		
Rock outcrop	15	Not rated		Not rated		Not rated	
Weste, very gravelly sandy loam	8	Severe		Poorly suited		Slight	
		Slope	1.00	Slope	1.00	Strength	0.10
				Sandiness	0.50		
Tahand	7	Severe		Poorly suited		Moderate	
		Slope	1.00	Slope	1.00	Strength	0.50
		Stoniness	1.00	Rock fragments	1.00		
312:							
Penstock, stony loam	50	Moderate		Poorly suited		Slight	
		Stoniness	0.50	Slope	1.00	Strength	0.10
		Slope	0.50	Rock fragments	0.50		
Scaribou, stony loam	40	Moderate		Poorly suited		Slight	
		Stoniness	0.50	Slope	1.00	Strength	0.10
		Slope	0.50	Rock fragments	0.50		

TABLE 9.--FORESTLAND MANAGEMENT--Continued

Map symbol and soil name	Pct. of map unit	Limitations affecting construction of haul roads and log landings		Suitability for log landings		Soil rutting hazard	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
Inville, very gravelly loam------	5	Slight		Well suited		Slight	
						Strength	0.10
Aquolls, gravelly sandy loam---------	5	Severe		Poorly suited		Moderate	
		Wetness	1.00	Wetness	1.00	Wetness	0.50
						Strength	0.50
313:							
Penstock, stony loam	45	Severe		Poorly suited		Slight	
		Slope	1.00	Slope	1.00	Strength	0.10
		Stoniness	0.50	Rock fragments	0.50		
Scaribou, stony loam	40	Severe		Poorly suited		Slight	
		Slope	1.00	Slope	1.00	Strength	0.10
		Stoniness	0.50	Rock fragments	0.50		
Deadwood, very gravelly sandy loam	8	Severe		Poorly suited		Slight	
		Slope	1.00	Slope	1.00	Strength	0.10
				Sandiness	0.50		
Rock outcrop--------	7	Not rated		Not rated		Not rated	
321:							
Petescreek----------	35	Moderate		Poorly suited		Slight	
		Stoniness	0.50	Slope	1.00	Strength	0.10
		Slope	0.50	Rock fragments	0.50		
Orhood--------------	25	Severe		Poorly suited		Slight	
		Restrictive layer	1.00	Slope	1.00	Strength	0.10
		Stoniness	0.50	Rock fragments	0.50		
		Slope	0.50				
Fredonyer-----------	20	Severe		Poorly suited		Slight	
		Stoniness	1.00	Slope	1.00	Strength	0.10
		Restrictive layer	1.00	Rock fragments	1.00		
		Slope	0.50				
Searles, very cobbly loam---------------	4	Severe		Poorly suited		Slight	
		Restrictive layer	1.00	Slope	1.00	Strength	0.10
		Stoniness	0.50	Rock fragments	0.50		
		Slope	0.50				
Easte, very gravelly sandy loam---------	4	Moderate		Poorly suited		Slight	
		Slope	0.50	Slope	1.00	Strength	0.10
		Sandiness	0.50	Sandiness	0.50		
Indiano, stony fine sandy loam---------	4	Severe		Poorly suited		Slight	
		Restrictive layer	1.00	Slope	1.00	Strength	0.10
		Stoniness	0.50	Rock fragments	0.50		
		Slope	0.50				
		Strength	0.50				
Glean, very stony loam---------------	4	Severe		Poorly suited		Slight	
		Stoniness	1.00	Slope	1.00	Strength	0.10
		Slope	0.50	Rock fragments	1.00		
		Restrictive layer	0.50				

TABLE 9.--FORESTLAND MANAGEMENT--Continued

Map symbol and soil name	Pct. of map unit	Limitations affecting construction of haul roads and log landings		Suitability for log landings		Soil rutting hazard	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
Alomax, very stony sandy loam---------	4	Severe		Poorly suited		Slight	
		Restrictive layer	1.00	Slope	1.00	Strength	0.10
		Stoniness	1.00	Rock fragments	1.00		
		Slope	0.50				
323:							
Petescreek----------	45	Moderate		Poorly suited		Moderate	
		Slope	0.50	Slope	1.00	Strength	0.50
Searles-------------	25	Severe		Poorly suited		Slight	
		Restrictive layer	1.00	Slope	1.00	Strength	0.10
		Stoniness	0.50	Rock fragments	0.50		
		Slope	0.50				
Orhood--------------	20	Severe		Poorly suited		Slight	
		Restrictive layer	1.00	Slope	1.00	Strength	0.10
		Stoniness	0.50	Rock fragments	0.50		
		Slope	0.50				
Fredonyer, very stony loam---------	10	Severe		Poorly suited		Slight	
		Restrictive layer	1.00	Slope	1.00	Strength	0.10
		Stoniness	1.00	Rock fragments	1.00		
		Slope	0.50				
332:							
Quartzburg----------	60	Severe		Poorly suited		Moderate	
		Slope	1.00	Slope	1.00	Strength	0.50
		Stoniness	0.50	Rock fragments	0.50		
				Sandiness	0.50		
Scaribou------------	30	Severe		Poorly suited		Slight	
		Slope	1.00	Slope	1.00	Strength	0.10
Rubble land---------	5	Not rated		Not rated		Not rated	
Rock outcrop--------	5	Not rated		Not rated		Not rated	
337:							
Redriver------------	45	Moderate		Moderately suited		Slight	
		Sandiness	0.50	Slope	0.50	Strength	0.10
		Restrictive layer	0.50				
Gerle---------------	35	Slight		Moderately suited		Moderate	
				Slope	0.50	Strength	0.50
Inville, very gravelly loam------	10	Slight		Well suited		Slight	
						Strength	0.10
Forgay, extremely gravelly sandy loam	10	Moderate		Moderately suited		Slight	
		Sandiness	0.50	Sandiness	0.50	Strength	0.10
338:							
Redriver------------	50	Moderate		Moderately suited		Slight	
		Sandiness	0.50	Sandiness	0.50	Strength	0.10
		Restrictive layer	0.50	Slope	0.50		
Weste---------------	30	Moderate		Moderately suited		Slight	
		Sandiness	0.50	Sandiness	0.50	Strength	0.10
		Restrictive layer	0.50	Slope	0.50		
Woodwest, very stony sandy loam---------	5	Severe		Moderately suited		Slight	
		Stoniness	1.00	Rock fragments	0.50	Strength	0.10
		Restrictive layer	1.00				

TABLE 9.--FORESTLAND MANAGEMENT--Continued

Map symbol and soil name	Pct. of map unit	Limitations affecting construction of haul roads and log landings		Suitability for log landings		Soil rutting hazard	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
Swainow, very gravelly sandy loam	5	Slight		Moderately suited Slope	0.50	Slight Strength	0.10
Keddie, loam--------	5	Moderate Strength	0.50	Poorly suited Wetness Strength	1.00 0.50	Severe Strength	1.00
Inville, very gravelly loam------	5	Slight		Well suited		Slight Strength	0.10
339:							
Redriver, stony sandy loam---------	50	Moderate Stoniness Sandiness Restrictive layer	0.50 0.50 0.50	Moderately suited Rock fragments	0.50	Moderate Strength	0.50
Woodwest------------	20	Severe Stoniness Restrictive layer	1.00 1.00	Moderately suited Rock fragments	0.50	Slight Strength	0.10
Wafla---------------	15	Slight		Well suited		Moderate Strength	0.50
Inville, very gravelly loam------	8	Slight		Well suited		Slight Strength	0.10
Rock outcrop--------	7	Not rated		Not rated		Not rated	
343:							
Rubble land---------	60	Not rated		Not rated		Not rated	
Fiddler-------------	25	Severe Slope Stoniness Strength	1.00 0.50 0.50	Poorly suited Slope Rock fragments Strength	1.00 0.50 0.50	Moderate Strength	0.50
Orhood, very stony loam---------------	8	Severe Slope Stoniness	1.00 0.50	Poorly suited Slope Rock fragments	1.00 0.50	Slight Strength	0.10
Rock outcrop--------	7	Not rated		Not rated		Not rated	
346:							
Rubble land---------	60	Not rated		Not rated		Not rated	
Weste---------------	20	Severe Stoniness Restrictive layer Slope Sandiness	1.00 1.00 0.50 0.50	Poorly suited Rock fragments Slope Sandiness	1.00 1.00 0.50	Slight Strength	0.10
Gavel---------------	5	Moderate Stoniness Slope	0.50 0.50	Poorly suited Slope Rock fragments	1.00 0.50	Moderate Strength	0.50
Easte, gravelly loam	7	Moderate Slope Sandiness	0.50 0.50	Poorly suited Slope	1.00	Slight Strength	0.10
Scaribou, very gravelly loam------	3	Moderate Slope	0.50	Poorly suited Slope	1.00	Slight Strength	0.10

TABLE 9.--FORESTLAND MANAGEMENT--Continued

Map symbol and soil name	Pct. of map unit	Limitations affecting construction of haul roads and log landings		Suitability for log landings		Soil rutting hazard	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
Outland, very stony loam	3	Severe		Poorly suited		Slight	
		Slope	1.00	Slope	1.00	Strength	0.10
		Stoniness	0.50	Rock fragments	0.50		
Rock outcrop	2	Not rated		Not rated		Not rated	
351:							
Said	85	Moderate		Poorly suited		Moderate	
		Slope	0.50	Slope	1.00	Strength	0.50
Fredonyer, very stony loam	5	Severe		Poorly suited		Slight	
		Stoniness	1.00	Rock fragments	1.00	Strength	0.10
		Restrictive layer	1.00	Slope	1.00		
		Slope	0.50				
Easte, very gravelly sandy loam	5	Moderate		Poorly suited		Slight	
		Slope	0.50	Slope	1.00	Strength	0.10
		Sandiness	0.50	Sandiness	0.50		
Ninemile, very cobbly loam	3	Severe		Moderately suited		Severe	
		Restrictive layer	1.00	Slope	0.50	Strength	1.00
		Stickiness/slope	0.50	Stickiness	0.50		
		Strength	0.50	Strength	0.50		
Petescreek, gravelly loam	2	Moderate		Poorly suited		Moderate	
		Slope	0.50	Slope	1.00	Strength	0.50
352:							
Said	50	Severe		Poorly suited		Moderate	
		Slope	1.00	Slope	1.00	Strength	0.50
Fraval	35	Severe		Poorly suited		Severe	
		Slope	1.00	Slope	1.00	Strength	1.00
				Strength	0.50		
Easte, very gravelly sandy loam	8	Severe		Poorly suited		Slight	
		Slope	1.00	Slope	1.00	Strength	0.10
				Sandiness	0.50		
Deadwood family, very gravelly sandy loam	7	Severe		Poorly suited		Slight	
		Restrictive layer	1.00	Slope	1.00	Strength	0.10
		Slope	0.50	Sandiness	0.50		
		Sandiness	0.50				
353:							
Said	60	Moderate		Poorly suited		Moderate	
		Slope	0.50	Slope	1.00	Strength	0.50
Ninemile	25	Severe		Moderately suited		Moderate	
		Restrictive layer	1.00	Stickiness	0.50	Strength	0.50
		Stickiness/slope	0.50	Strength	0.50		
		Strength	0.50				
Rock outcrop	5	Not rated		Not rated		Not rated	
Fredonyer, very stony loam	5	Severe		Poorly suited		Slight	
		Restrictive layer	1.00	Slope	1.00	Strength	0.10
		Stoniness	1.00	Rock fragments	1.00		
		Slope	0.50				

TABLE 9.--FORESTLAND MANAGEMENT--Continued

Map symbol and soil name	Pct. of map unit	Limitations affecting construction of haul roads and log landings		Suitability for log landings		Soil rutting hazard	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
Eaglelake, very gravelly loam------	5	Slight		Moderately suited		Slight	
				Slope	0.50	Strength	0.10
354:							
Scaribou----------	85	Moderate		Poorly suited		Moderate	
		Slope	0.50	Slope	1.00	Strength	0.50
Scaribou, stony loam	8	Moderate		Poorly suited		Slight	
		Stoniness	0.50	Slope	1.00	Strength	0.10
		Slope	0.50	Rock fragments	0.50		
Penstock, stony loam	7	Moderate		Moderately suited		Slight	
		Stoniness	0.50	Rock fragments	0.50	Strength	0.10
				Slope	0.50		
355:							
Scaribou----------	55	Severe		Poorly suited		Slight	
		Slope	1.00	Slope	1.00	Strength	0.10
		Stoniness	1.00	Rock fragments	1.00		
Penstock----------	20	Severe		Poorly suited		Slight	
		Slope	1.00	Slope	1.00	Strength	0.10
Rock outcrop--------	15	Not rated		Not rated		Not rated	
Rubble land---------	5	Not rated		Not rated		Not rated	
Deadwood, very gravelly sandy loam	5	Severe		Poorly suited		Slight	
		Slope	1.00	Slope	1.00	Strength	0.10
				Sandiness	0.50		
360:							
Searles----------	35	Severe		Poorly suited		Slight	
		Restrictive layer	1.00	Slope	1.00	Strength	0.10
		Stoniness	0.50	Rock fragments	0.50		
		Slope	0.50				
Orhood----------	30	Severe		Poorly suited		Slight	
		Restrictive layer	1.00	Slope	1.00	Strength	0.10
		Stoniness	0.50	Rock fragments	0.50		
		Slope	0.50				
Devada----------	20	Severe		Poorly suited		Slight	
		Restrictive layer	1.00	Slope	1.00	Strength	0.10
		Stoniness	0.50	Rock fragments	0.50		
		Slope	0.50				
		Stickiness/slope	0.50				
		Strength	0.50				
Bucklake, very stony loam----------	4	Severe		Poorly suited		Slight	
		Stoniness	1.00	Slope	1.00	Strength	0.10
		Restrictive layer	1.00	Rock fragments	1.00		
		Slope	0.50				
		Strength	0.50				
Fiddler, very stony loam----------	4	Severe		Poorly suited		Moderate	
		Stoniness	1.00	Rock fragments	1.00	Strength	0.50
		Restrictive layer	1.00	Slope	1.00		
		Slope	0.50	Strength	0.50		
		Strength	0.50				

TABLE 9.--FORESTLAND MANAGEMENT--Continued

Map symbol and soil name	Pct. of map unit	Limitations affecting construction of haul roads and log landings		Suitability for log landings		Soil rutting hazard	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
Fivesprings, very stony loam---------	3	Severe		Poorly suited		Slight	
		Restrictive layer	1.00	Slope	1.00	Strength	0.10
		Stoniness	1.00	Rock fragments	1.00		
		Slope	0.50				
Rock outcrop--------	2	Not rated		Not rated		Not rated	
Xerolls, loamy coarse sand--------	2	Slight		Poorly suited		Moderate	
				Wetness	1.00	Strength	0.50
				Slope	0.50		
364:							
Southpac----------	85	Severe		Poorly suited		Slight	
		Slope	1.00	Slope	1.00	Strength	0.10
		Stoniness	1.00	Rock fragments	1.00		
Rock outcrop--------	8	Not rated		Not rated		Not rated	
Riverwash----------	4	Not rated		Not rated		Not rated	
Keddie, loam--------	3	Moderate		Poorly suited		Severe	
		Strength	0.50	Wetness	1.00	Strength	1.00
				Strength	0.50		
373:							
Swainow----------	40	Moderate		Poorly suited		Moderate	
		Stoniness	0.50	Slope	1.00	Strength	0.50
		Slope	0.50	Rock fragments	0.50		
Almanor----------	30	Moderate		Poorly suited		Slight	
		Stoniness	0.50	Slope	1.00	Strength	0.10
		Slope	0.50	Rock fragments	0.50		
		Restrictive layer	0.50				
		Sandiness	0.50				
Tahand----------	20	Moderate		Poorly suited		Moderate	
		Slope	0.50	Slope	1.00	Strength	0.50
Whorled, very gravelly sandy loam	10	Severe		Poorly suited		Slight	
		Restrictive layer	1.00	Slope	1.00	Strength	0.10
		Slope	0.50	Sandiness	0.50		
		Sandiness	0.50				
374:							
Swainow, very stony sandy loam---------	65	Severe		Poorly suited		Slight	
		Stoniness	1.00	Slope	1.00	Strength	0.10
		Slope	0.50	Rock fragments	1.00		
				Sandiness	0.50		
Almanor----------	20	Severe		Poorly suited		Slight	
		Stoniness	1.00	Slope	1.00	Strength	0.10
		Slope	0.50	Rock fragments	1.00		
		Sandiness	0.50				
		Restrictive layer	0.50				
Keddie, loam--------	3	Moderate		Poorly suited		Severe	
		Strength	0.50	Wetness	1.00	Strength	1.00
				Strength	0.50		

TABLE 9.--FORESTLAND MANAGEMENT--Continued

Map symbol and soil name	Pct. of map unit	Limitations affecting construction of haul roads and log landings		Suitability for log landings		Soil rutting hazard	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
Almanor, very gravelly sandy loam	3	Severe		Poorly suited		Slight	
		Stoniness	1.00	Rock fragments	1.00	Strength	0.10
		Slope	0.50	Slope	1.00		
		Sandiness	0.50				
		Restrictive layer	0.50				
Rock outcrop--------	3	Not rated		Not rated		Not rated	
Whorled, very gravelly sandy loam	4	Severe		Poorly suited		Slight	
		Restrictive layer	1.00	Slope	1.00	Strength	0.10
		Slope	0.50	Sandiness	0.50		
		Sandiness	0.50				
Tahand----------	2	Severe		Poorly suited		Moderate	
		Stoniness	1.00	Slope	1.00	Strength	0.50
		Slope	0.50	Rock fragments	1.00		
375:							
Swainow----------	50	Slight		Moderately suited		Slight	
				Slope	0.50	Strength	0.10
Redriver----------	35	Moderate		Moderately suited		Slight	
		Sandiness	0.50	Slope	0.50	Strength	0.10
		Restrictive layer	0.50				
Rubble land---------	5	Not rated		Not rated		Not rated	
Redriver----------	5	Moderate		Moderately suited		Slight	
		Stoniness	0.50	Rock fragments	0.50	Strength	0.10
		Sandiness	0.50	Slope	0.50		
		Restrictive layer	0.50				
Woodwest, very stony sandy loam---------	5	Severe		Moderately suited		Slight	
		Stoniness	1.00	Rock fragments	0.50	Strength	0.10
		Restrictive layer	1.00				
376:							
Swainow----------	55	Severe		Poorly suited		Moderate	
		Slope	1.00	Slope	1.00	Strength	0.50
		Stoniness	1.00	Rock fragments	1.00		
Tahand----------	35	Severe		Poorly suited		Moderate	
		Slope	1.00	Slope	1.00	Strength	0.50
		Stoniness	1.00	Rock fragments	1.00		
Urban land----------	5	Not rated		Not rated		Not rated	
Baileycreek, very bouldery loam------	5	Severe		Poorly suited		Slight	
		Slope	1.00	Slope	1.00	Strength	0.10
		Stoniness	1.00	Rock fragments	1.00		
377:							
Tahand----------	45	Moderate		Poorly suited		Moderate	
		Slope	0.50	Slope	1.00	Strength	0.50
Baileycreek---------	35	Moderate		Poorly suited		Slight	
		Slope	0.50	Slope	1.00	Strength	0.10
Rock outcrop--------	5	Not rated		Not rated		Not rated	

TABLE 9.--FORESTLAND MANAGEMENT--Continued

Map symbol and soil name	Pct. of map unit	Limitations affecting construction of haul roads and log landings		Suitability for log landings		Soil rutting hazard	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
Baileycreek, very stony loam---------	5	Severe Stoniness Slope	 1.00 0.50	Poorly suited Slope Rock fragments	 1.00 1.00	Slight Strength	 0.10
Weste, very stony sandy loam---------	5	Severe Stoniness Restrictive layer Slope Sandiness	 1.00 0.50 0.50 0.50	Poorly suited Slope Rock fragments Sandiness	 1.00 1.00 0.50	Slight Strength	 0.10
Redriver, very gravelly sandy loam	5	Moderate Sandiness Restrictive layer	 0.50 0.50	Moderately suited Slope	 0.50	Slight Strength	 0.10
378:							
Tahand----------	35	Slight		Moderately suited Slope	 0.50	Moderate Strength	 0.50
Swainow----------	30	Moderate Stoniness	 0.50	Moderately suited Rock fragments Slope	 0.50 0.50	Moderate Strength	 0.50
Almanor----------	20	Slight		Moderately suited Slope	 0.50	Slight Strength	 0.10
Rock outcrop--------	5	Not rated		Not rated		Not rated	
Woodwest, very stony sandy loam---------	5	Severe Stoniness Restrictive layer	 1.00 1.00	Moderately suited Rock fragments	 0.50	Slight Strength	 0.10
Keddie, loam--------	5	Moderate Strength	 0.50	Poorly suited Wetness Strength	 1.00 0.50	Severe Strength	 1.00
382:							
Toiyabe----------	50	Severe Slope	 1.00	Poorly suited Slope	 1.00	Moderate Strength	 0.50
Lasco----------	20	Severe Slope	 1.00	Poorly suited Slope	 1.00	Moderate Strength	 0.50
Quartzburg----------	15	Severe Slope Stoniness	 1.00 0.50	Poorly suited Slope Rock fragments Sandiness	 1.00 0.50 0.50	Moderate Strength	 0.50
Rock outcrop--------	5	Not rated		Not rated		Not rated	
Toiyabe----------	5	Severe Slope Stoniness	 1.00 0.50	Poorly suited Rock fragments Slope	 1.00 1.00	Moderate Strength	 0.50
Outland, very stony loam----------	5	Severe Slope Stoniness	 1.00 0.50	Poorly suited Slope Rock fragments	 1.00 0.50	Slight Strength	 0.10
383:							
Toiyabe----------	55	Moderate Slope Sandiness	 0.50 0.50	Poorly suited Slope Sandiness	 1.00 0.50	Moderate Strength	 0.50

TABLE 9.--FORESTLAND MANAGEMENT--Continued

Map symbol and soil name	Pct. of map unit	Limitations affecting construction of haul roads and log landings		Suitability for log landings		Soil rutting hazard	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
Lasco	30	Moderate		Poorly suited		Moderate	
		Slope	0.50	Slope	1.00	Strength	0.50
Bonta, coarse sandy loam	8	Slight		Moderately suited		Moderate	
				Slope	0.50	Strength	0.50
Toiyabe	7	Moderate		Poorly suited		Moderate	
		Slope	0.50	Rock fragments	1.00	Strength	0.50
		Stoniness	0.50	Slope	1.00		
		Sandiness	0.50	Sandiness	0.50		
391:							
Ulhalf	85	Severe		Poorly suited		Moderate	
		Slope	1.00	Slope	1.00	Strength	0.50
Inville, very gravelly loam	8	Slight		Well suited		Slight	
						Strength	0.10
Southpac, very stony loam	7	Severe		Poorly suited		Slight	
		Slope	1.00	Slope	1.00	Strength	0.10
		Stoniness	1.00	Rock fragments	1.00		
392:							
Ulhalf	90	Slight		Moderately suited		Slight	
				Slope	0.50	Strength	0.10
Deadwood, very gravelly sandy loam	5	Severe		Moderately suited		Slight	
		Restrictive layer	1.00	Slope	0.50	Strength	0.10
		Sandiness	0.50	Sandiness	0.50		
Penstock, very gravelly sandy loam	5	Slight		Moderately suited		Slight	
				Slope	0.50	Strength	0.10
393:							
Ulhalf	60	Severe		Poorly suited		Slight	
		Stoniness	1.00	Rock fragments	1.00	Strength	0.10
Gavel	30	Slight		Moderately suited		Slight	
				Slope	0.50	Strength	0.10
Southpac, very stony loam	10	Severe		Poorly suited		Slight	
		Stoniness	1.00	Rock fragments	1.00	Strength	0.10
				Slope	0.50		
394:							
Ulhalf	60	Slight		Moderately suited		Slight	
				Slope	0.50	Strength	0.10
Southpac	30	Severe		Poorly suited		Slight	
		Stoniness	1.00	Slope	1.00	Strength	0.10
		Slope	0.50	Rock fragments	1.00		
Rock outcrop	10	Not rated		Not rated		Not rated	
398:							
Weste	35	Severe		Poorly suited		Slight	
		Stoniness	1.00	Rock fragments	1.00	Strength	0.10
		Restrictive layer	1.00	Slope	1.00		
		Slope	0.50	Sandiness	0.50		
		Sandiness	0.50				

TABLE 9.--FORESTLAND MANAGEMENT--Continued

Map symbol and soil name	Pct. of map unit	Limitations affecting construction of haul roads and log landings		Suitability for log landings		Soil rutting hazard	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
Baileycreek---------	30	Severe		Poorly suited		Slight	
		Stoniness	1.00	Rock fragments	1.00	Strength	0.10
		Slope	0.50	Slope	1.00		
Tahand----------	20	Severe		Poorly suited		Moderate	
		Stoniness	1.00	Rock fragments	1.00	Strength	0.50
		Slope	0.50	Slope	1.00		
Rubble land---------	8	Not rated		Not rated		Not rated	
Rock outcrop--------	7	Not rated		Not rated		Not rated	
399:							
Weste----------	65	Severe		Poorly suited		Slight	
		Slope	1.00	Slope	1.00	Strength	0.10
				Sandiness	0.50		
Rock outcrop--------	15	Not rated		Not rated		Not rated	
Swainow, stony sandy loam----------	10	Severe		Poorly suited		Moderate	
		Slope	1.00	Slope	1.00	Strength	0.50
		Stoniness	0.50	Rock fragments	0.50		
Woodwest, very stony sandy loam---------	10	Severe		Moderately suited		Slight	
		Stoniness	1.00	Rock fragments	0.50	Strength	0.10
		Restrictive layer	1.00				
400:							
Whitinger----------	45	Severe		Poorly suited		Severe	
		Restrictive layer	1.00	Slope	1.00	Strength	1.00
		Stoniness	0.50	Rock fragments	0.50		
		Slope	0.50	Strength	0.50		
Devada----------	35	Severe		Poorly suited		Slight	
		Restrictive layer	1.00	Slope	1.00	Strength	0.10
		Stoniness	0.50	Rock fragments	0.50		
		Slope	0.50				
		Stickiness/slope	0.50				
		Strength	0.50				
Rubble land---------	5	Not rated		Not rated		Not rated	
Rock outcrop--------	5	Not rated		Not rated		Not rated	
Jauriga, gravelly loam----------	5	Slight		Moderately suited		Moderate	
				Slope	0.50	Strength	0.50
Buckbay, gravelly loam----------	5	Moderate		Poorly suited		Moderate	
		Slope	0.50	Slope	1.00	Strength	0.50
401:							
Whorled----------	45	Severe		Poorly suited		Slight	
		Restrictive layer	1.00	Slope	1.00	Strength	0.10
		Slope	0.50	Sandiness	0.50		
		Sandiness	0.50				
Almanor----------	35	Moderate		Poorly suited		Slight	
		Slope	0.50	Slope	1.00	Strength	0.10
		Sandiness	0.50				
		Restrictive layer	0.50				

TABLE 9.--FORESTLAND MANAGEMENT--Continued

Map symbol and soil name	Pct. of map unit	Limitations affecting construction of haul roads and log landings		Suitability for log landings		Soil rutting hazard	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
Tahand----------	8	Severe		Poorly suited		Moderate	
		Stoniness	1.00	Slope	1.00	Strength	0.50
		Slope	0.50	Rock fragments	1.00		
Whorled----------	7	Severe		Poorly suited		Slight	
		Restrictive layer	1.00	Slope	1.00	Strength	0.10
		Slope	0.50	Rock fragments	0.50		
		Stoniness	0.50	Sandiness	0.50		
		Sandiness	0.50				
Rock outcrop--------	5	Not rated		Not rated		Not rated	

TABLE 10.--FORESTLAND MANAGEMENT

(The information in this table indicates the dominant soil condition but does not eliminate the need for onsite investigation. The numbers in the value columns range from 0.01 to 1.00. The larger the value, the greater the limitation. See text for further explanation of ratings in this table.)

Map symbol and soil name	Pct. of map unit	Hazard of off-road or off-trail erosion		Hazard of erosion on roads and trails		Suitability for roads (natural surface)	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
101:							
Almanor	40	Slight		Slight		Moderately suited	
						Slope	0.50
Whorled	35	Slight		Moderate		Moderately suited	
				Slope/erodibility	0.50	Slope	0.50
						Sandiness	0.50
Inville	20	Slight		Slight		Well suited	
Tahand	5	Slight		Moderate		Poorly suited	
				Slope/erodibility	0.50	Rock fragments	1.00
						Slope	0.50
111:							
Baileycreek	45	Slight		Moderate		Moderately suited	
				Slope/erodibility	0.50	Slope	0.50
Weste	35	Slight		Moderate		Moderately suited	
				Slope/erodibility	0.50	Slope	0.50
						Sandiness	0.50
Inville	10	Slight		Moderate		Moderately suited	
				Slope/erodibility	0.50	Slope	0.50
Weste	5	Slight		Moderate		Moderately suited	
				Slope/erodibility	0.50	Rock fragments	0.50
						Slope	0.50
						Sandiness	0.50
Baileycreek	5	Slight		Moderate		Moderately suited	
				Slope/erodibility	0.50	Rock fragments	0.50
						Slope	0.50
112:							
Baileycreek	50	Moderate		Moderate		Poorly suited	
		Slope/erodibility	0.50	Slope/erodibility	0.50	Slope	1.00
						Rock fragments	1.00
Weste	35	Moderate		Moderate		Poorly suited	
		Slope/erodibility	0.50	Slope/erodibility	0.50	Slope	1.00
						Rock fragments	1.00
						Sandiness	0.50
Swainow	5	Moderate		Severe		Poorly suited	
		Slope/erodibility	0.50	Slope/erodibility	0.95	Slope	1.00
Rock outcrop	5	Not rated		Not rated		Not rated	
Weste	3	Moderate		Moderate		Poorly suited	
		Slope/erodibility	0.50	Slope/erodibility	0.50	Slope	1.00
						Rock fragments	1.00
						Sandiness	0.50
Baileycreek	2	Moderate		Moderate		Poorly suited	
		Slope/erodibility	0.50	Slope/erodibility	0.50	Slope	1.00
						Rock fragments	1.00
113:							
Baileycreek	50	Severe		Severe		Poorly suited	
		Slope/erodibility	0.75	Slope/erodibility	0.95	Slope	1.00
						Rock fragments	1.00

TABLE 10.--FORESTLAND MANAGEMENT--Continued

Map symbol and soil name	Pct. of map unit	Hazard of off-road or off-trail erosion		Hazard of erosion on roads and trails		Suitability for roads (natural surface)	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
Weste	35	Severe Slope/erodibility	0.75	Severe Slope/erodibility	0.95	Poorly suited Slope Sandiness	1.00 0.50
Rubble land	5	Not rated		Not rated		Not rated	
Rock outcrop	5	Not rated		Not rated		Not rated	
Swainow	5	Severe Slope/erodibility	0.75	Severe Slope/erodibility	0.95	Poorly suited Slope	1.00
124:							
Bonta	80	Slight		Severe Slope/erodibility	0.95	Moderately suited Slope	0.50
Janile	10	Slight		Moderate Slope/erodibility	0.50	Poorly suited Rock fragments Slope Sandiness	1.00 0.50 0.50
Lasco	10	Slight		Moderate Slope/erodibility	0.50	Moderately suited Slope	0.50
125:							
Bonta	80	Moderate Slope/erodibility	0.50	Severe Slope/erodibility	0.95	Poorly suited Slope	1.00
Lasco	10	Moderate Slope/erodibility	0.50	Severe Slope/erodibility	0.95	Poorly suited Slope	1.00
Rock outcrop	5	Not rated		Not rated		Not rated	
Bonta	5	Moderate Slope/erodibility	0.50	Severe Slope/erodibility	0.95	Poorly suited Rock fragments Slope	1.00 1.00
126:							
Bonta	75	Severe Slope/erodibility	0.75	Severe Slope/erodibility	0.95	Poorly suited Slope	1.00
Bonta	5	Severe Slope/erodibility	0.75	Severe Slope/erodibility	0.95	Poorly suited Rock fragments Slope	1.00 1.00
Lasco	5	Severe Slope/erodibility	0.75	Severe Slope/erodibility	0.95	Poorly suited Slope	1.00
Waterman	5	Severe Slope/erodibility	0.75	Severe Slope/erodibility	0.95	Poorly suited Slope Rock fragments	1.00 1.00
Gerle	5	Severe Slope/erodibility	0.75	Severe Slope/erodibility	0.95	Poorly suited Slope	1.00
Chimney	5	Severe Slope/erodibility	0.75	Severe Slope/erodibility	0.95	Poorly suited Slope	1.00
133:							
Buckbay	35	Moderate Slope/erodibility	0.50	Severe Slope/erodibility	0.95	Poorly suited Slope	1.00
Orhood	25	Moderate Slope/erodibility	0.50	Moderate Slope/erodibility	0.50	Poorly suited Slope Rock fragments	1.00 0.50

TABLE 10.--FORESTLAND MANAGEMENT--Continued

Map symbol and soil name	Pct. of map unit	Hazard of off-road or off-trail erosion		Hazard of erosion on roads and trails		Suitability for roads (natural surface)	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
Devada	20	Slight		Slight		Moderately suited	
						Rock fragments	0.50
						Slope	0.50
Fredonyer	4	Moderate		Moderate		Poorly suited	
		Slope/erodibility	0.50	Slope/erodibility	0.50	Slope	1.00
						Rock fragments	0.50
Longcreek	4	Moderate		Moderate		Poorly suited	
		Slope/erodibility	0.50	Slope/erodibility	0.50	Slope	1.00
						Rock fragments	0.50
Ninemile	4	Slight		Moderate		Moderately suited	
				Slope/erodibility	0.50	Slope	0.50
						Stickiness	0.50
						Strength	0.50
Petescreek	4	Moderate		Severe		Poorly suited	
		Slope/erodibility	0.50	Slope/erodibility	0.95	Slope	1.00
						Rock fragments	0.50
Puls	4	Slight		Moderate		Moderately suited	
				Slope/erodibility	0.50	Rock fragments	0.50
						Strength	0.50
						Slope	0.50
134:							
Buckbay	40	Moderate		Severe		Poorly suited	
		Slope/erodibility	0.50	Slope/erodibility	0.95	Slope	1.00
Orhood	25	Moderate		Moderate		Poorly suited	
		Slope/erodibility	0.50	Slope/erodibility	0.50	Slope	1.00
						Rock fragments	0.50
Fredonyer	20	Moderate		Moderate		Poorly suited	
		Slope/erodibility	0.50	Slope/erodibility	0.50	Slope	1.00
						Rock fragments	0.50
Searles	8	Moderate		Moderate		Poorly suited	
		Slope/erodibility	0.50	Slope/erodibility	0.50	Slope	1.00
						Rock fragments	0.50
Jauriga	7	Slight		Moderate		Moderately suited	
				Slope/erodibility	0.50	Slope	0.50
136:							
Bunanch	90	Moderate		Severe		Poorly suited	
		Slope/erodibility	0.50	Slope/erodibility	0.95	Slope	1.00
Ulhalf	5	Moderate		Severe		Poorly suited	
		Slope/erodibility	0.50	Slope/erodibility	0.95	Slope	1.00
						Rock fragments	1.00
Jauriga	4	Slight		Moderate		Moderately suited	
				Slope/erodibility	0.50	Slope	0.50
Keddie	1	Slight		Slight		Poorly suited	
						Wetness	1.00
						Strength	0.50
137:							
Cagwin	85	Moderate		Severe		Poorly suited	
		Slope/erodibility	0.50	Slope/erodibility	0.95	Slope	1.00
Penstock	5	Moderate		Severe		Poorly suited	
		Slope/erodibility	0.50	Slope/erodibility	0.95	Slope	1.00
						Rock fragments	0.50

TABLE 10.--FORESTLAND MANAGEMENT--Continued

Map symbol and soil name	Pct. of map unit	Hazard of off-road or off-trail erosion		Hazard of erosion on roads and trails		Suitability for roads (natural surface)	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
Quartzburg----------	3	Severe		Severe		Poorly suited	
		Slope/erodibility	0.75	Slope/erodibility	0.95	Slope	1.00
						Rock fragments	0.50
						Sandiness	0.50
Cagwin----------	3	Moderate		Severe		Poorly suited	
		Slope/erodibility	0.50	Slope/erodibility	0.95	Rock fragments	1.00
		Slope/erodibility	0.50	Slope/erodibility	0.95	Slope	1.00
Lasco----------	2	Moderate		Severe		Poorly suited	
		Slope/erodibility	0.50	Slope/erodibility	0.95	Slope	1.00
Cagwin----------	2	Severe		Severe		Poorly suited	
		Slope/erodibility	0.75	Slope/erodibility	0.95	Slope	1.00
138:							
Cagwin----------	85	Severe		Severe		Poorly suited	
		Slope/erodibility	0.75	Slope/erodibility	0.95	Slope	1.00
Cagwin family-------	3	Severe		Severe		Poorly suited	
		Slope/erodibility	0.75	Slope/erodibility	0.95	Slope	1.00
Penstock family-----	5	Severe		Severe		Poorly suited	
		Slope/erodibility	0.75	Slope/erodibility	0.95	Slope	1.00
						Rock fragments	0.50
Lasco----------	5	Severe		Severe		Poorly suited	
		Slope/erodibility	0.75	Slope/erodibility	0.95	Slope	1.00
Cagwin----------	1	Severe		Severe		Poorly suited	
		Slope/erodibility	0.75	Slope/erodibility	0.95	Slope	1.00
Quartzburg----------	1	Severe		Severe		Poorly suited	
		Slope/erodibility	0.75	Slope/erodibility	0.95	Slope	1.00
						Rock fragments	0.50
						Sandiness	0.50
152:							
Chimney----------	90	Slight		Moderate		Moderately suited	
				Slope/erodibility	0.50	Slope	0.50
Mottsville----------	6	Slight		Moderate		Moderately suited	
				Slope/erodibility	0.50	Sandiness	0.50
						Slope	0.50
Rock outcrop--------	4	Not rated		Not rated		Not rated	
153:							
Chimney----------	85	Slight		Moderate		Moderately suited	
				Slope/erodibility	0.50	Slope	0.50
Bonta----------	8	Slight		Moderate		Moderately suited	
				Slope/erodibility	0.50	Slope	0.50
Mottsville----------	7	Slight		Moderate		Moderately suited	
				Slope/erodibility	0.50	Slope	0.50
						Sandiness	0.50
154:							
Chimney----------	35	Severe		Severe		Poorly suited	
		Slope/erodibility	0.75	Slope/erodibility	0.95	Slope	1.00
Janile----------	35	Severe		Severe		Poorly suited	
		Slope/erodibility	0.75	Slope/erodibility	0.95	Slope	1.00
						Rock fragments	1.00
						Sandiness	0.50

TABLE 10.--FORESTLAND MANAGEMENT--Continued

Map symbol and soil name	Pct. of map unit	Hazard of off-road or off-trail erosion		Hazard of erosion on roads and trails		Suitability for roads (natural surface)	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
Waterman----------	15	Moderate Slope/erodibility	0.50	Severe Slope/erodibility	0.95	Poorly suited Slope Rock fragments	1.00 1.00
Rock outcrop--------	5	Not rated		Not rated		Not rated	
Mottsville----------	5	Moderate Slope/erodibility	0.50	Severe Slope/erodibility	0.95	Poorly suited Slope Sandiness	1.00 0.50
Bonta---------------	5	Moderate Slope/erodibility	0.50	Severe Slope/erodibility	0.95	Poorly suited Slope	1.00
155:							
Chimney------------	40	Very severe Slope/erodibility	0.95	Severe Slope/erodibility	0.95	Poorly suited Slope	1.00
Janile--------------	30	Very severe Slope/erodibility	0.95	Severe Slope/erodibility	0.95	Poorly suited Slope Rock fragments Sandiness	1.00 1.00 0.50
Waterman----------	15	Very severe Slope/erodibility	0.95	Severe Slope/erodibility	0.95	Poorly suited Slope Rock fragments	1.00 1.00
Chimney------------	8	Very severe Slope/erodibility	0.95	Severe Slope/erodibility	0.95	Poorly suited Rock fragments Slope	1.00 1.00
Rock outcrop--------	7	Not rated		Not rated		Not rated	
156:							
Chimney------------	65	Moderate Slope/erodibility	0.50	Severe Slope/erodibility	0.95	Poorly suited Slope	1.00
Waterman, very bouldery----------	20	Slight		Moderate Slope/erodibility	0.50	Poorly suited Rock fragments Slope	1.00 0.50
Mottsville----------	5	Moderate Slope/erodibility	0.50	Severe Slope/erodibility	0.95	Poorly suited Slope Sandiness	1.00 0.50
Massack------------	5	Slight		Slight		Moderately suited Flooding Strength Wetness	0.50 0.50 0.50
Calpine------------	5	Slight		Severe Slope/erodibility	0.95	Moderately suited Slope	0.50
157:							
Chirpchatter--------	85	Slight		Moderate Slope/erodibility	0.50	Moderately suited Slope	0.50
Ulhalf family, extremely stony----	8	Slight		Moderate Slope/erodibility	0.50	Poorly suited Rock fragments Slope	1.00 0.50
Gavel family--------	7	Slight		Moderate Slope/erodibility	0.50	Moderately suited Slope	0.50

TABLE 10.--FORESTLAND MANAGEMENT--Continued

Map symbol and soil name	Pct. of map unit	Hazard of off-road or off-trail erosion		Hazard of erosion on roads and trails		Suitability for roads (natural surface)	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
172:							
Devada	60	Moderate		Moderate		Poorly suited	
		Slope/erodibility	0.50	Slope/erodibility	0.50	Slope	1.00
						Rock fragments	1.00
						Sandiness	0.50
Gavel	35	Moderate		Severe		Poorly suited	
		Slope/erodibility	0.50	Slope/erodibility	0.95	Slope	1.00
						Rock fragments	0.50
Ulhalf	5	Moderate		Severe		Poorly suited	
		Slope/erodibility	0.50	Slope/erodibility	0.95	Slope	1.00
173:							
Devada	40	Slight		Moderate		Poorly suited	
				Slope/erodibility	0.50	Rock fragments	1.00
						Slope	0.50
Gavel	25	Moderate		Severe		Poorly suited	
		Slope/erodibility	0.50	Slope/erodibility	0.95	Slope	1.00
						Rock fragments	0.50
Whitinger	15	Moderate		Moderate		Poorly suited	
		Slope/erodibility	0.50	Slope/erodibility	0.50	Slope	1.00
						Rock fragments	0.50
Rubble land	4	Not rated		Not rated		Not rated	
Rock outcrop	4	Not rated		Not rated		Not rated	
Petescreek	4	Moderate		Severe		Poorly suited	
		Slope/erodibility	0.50	Slope/erodibility	0.95	Slope	1.00
Orhood	4	Moderate		Moderate		Poorly suited	
		Slope/erodibility	0.50	Slope/erodibility	0.50	Slope	1.00
						Rock fragments	0.50
Bucklake	4	Moderate		Moderate		Poorly suited	
		Slope/erodibility	0.50	Slope/erodibility	0.50	Slope	1.00
						Rock fragments	1.00
176:							
Devada	30	Slight		Moderate		Moderately suited	
				Slope/erodibility	0.50	Rock fragments	0.50
						Slope	0.50
Orhood	30	Moderate		Moderate		Poorly suited	
		Slope/erodibility	0.50	Slope/erodibility	0.50	Slope	1.00
						Rock fragments	0.50
Hart Camp	25	Moderate		Severe		Poorly suited	
		Slope/erodibility	0.50	Slope/erodibility	0.95	Slope	1.00
						Strength	0.50
Jauriga	4	Slight		Moderate		Moderately suited	
				Slope/erodibility	0.50	Slope	0.50
Fiddler	4	Moderate		Moderate		Poorly suited	
		Slope/erodibility	0.50	Slope/erodibility	0.50	Slope	1.00
						Rock fragments	1.00
						Strength	0.50
Searles	3	Slight		Moderate		Poorly suited	
				Slope/erodibility	0.50	Rock fragments	1.00
						Slope	0.50
Rock outcrop	2	Not rated		Not rated		Not rated	

TABLE 10.--FORESTLAND MANAGEMENT--Continued

Map symbol and soil name	Pct. of map unit	Hazard of off-road or off-trail erosion		Hazard of erosion on roads and trails		Suitability for roads (natural surface)	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
Aquolls	1	Slight		Moderate		Poorly suited	
				Slope/erodibility	0.50	Wetness	1.00
Rubble land	1	Not rated		Not rated		Not rated	
177:							
Devada	40	Severe		Severe		Poorly suited	
		Slope/erodibility	0.75	Slope/erodibility	0.95	Slope	1.00
						Rock fragments	0.50
Papeek	30	Severe		Severe		Poorly suited	
		Slope/erodibility	0.75	Slope/erodibility	0.95	Slope	1.00
Gavel	20	Severe		Severe		Poorly suited	
		Slope/erodibility	0.75	Slope/erodibility	0.95	Slope	1.00
						Rock fragments	0.50
Whitinger	5	Severe		Severe		Poorly suited	
		Slope/erodibility	0.75	Slope/erodibility	0.95	Slope	1.00
						Rock fragments	0.50
Gavel	5	Severe		Severe		Poorly suited	
		Slope/erodibility	0.75	Slope/erodibility	0.95	Slope	1.00
						Rock fragments	0.50
178:							
Devada	40	Slight		Moderate		Poorly suited	
				Slope/erodibility	0.50	Rock fragments	1.00
						Slope	0.50
Petescreek	25	Moderate		Severe		Poorly suited	
		Slope/erodibility	0.50	Slope/erodibility	0.95	Slope	1.00
Fiddler	20	Moderate		Moderate		Poorly suited	
		Slope/erodibility	0.50	Slope/erodibility	0.50	Rock fragments	1.00
						Slope	1.00
						Strength	0.50
Longcreek	3	Moderate		Moderate		Poorly suited	
		Slope/erodibility	0.50	Slope/erodibility	0.50	Slope	1.00
						Rock fragments	1.00
Fredonyer	3	Moderate		Moderate		Poorly suited	
		Slope/erodibility	0.50	Slope/erodibility	0.50	Slope	1.00
						Rock fragments	1.00
Bucklake	3	Slight		Moderate		Moderately suited	
				Slope/erodibility	0.50	Slope	0.50
						Rock fragments	0.50
Dune land	2	Not rated		Not rated		Not rated	
Tunnison	2	Moderate		Moderate		Poorly suited	
		Slope/erodibility	0.50	Slope/erodibility	0.50	Slope	1.00
						Rock fragments	0.50
						Stickiness	0.50
						Strength	0.50
Madeline	2	Moderate		Severe		Poorly suited	
		Slope/erodibility	0.50	Slope/erodibility	0.95	Slope	1.00
						Rock fragments	1.00
						Strength	0.50
184:							
Eaglelake	85	Slight		Moderate		Moderately suited	
				Slope/erodibility	0.50	Slope	0.50

TABLE 10.--FORESTLAND MANAGEMENT--Continued

Map symbol and soil name	Pct. of map unit	Hazard of off-road or off-trail erosion		Hazard of erosion on roads and trails		Suitability for roads (natural surface)	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
Outland----------	5	Slight		Slight		Moderately suited	
						Rock fragments	0.50
						Slope	0.50
Rock outcrop--------	5	Not rated		Not rated		Not rated	
Eaglelake----------	5	Slight		Moderate		Poorly suited	
				Slope/erodibility	0.50	Rock fragments	1.00
						Slope	0.50
185:							
Eaglelake----------	50	Moderate		Severe		Poorly suited	
		Slope/erodibility	0.50	Slope/erodibility	0.95	Slope	1.00
Outland----------	25	Moderate		Moderate		Poorly suited	
		Slope/erodibility	0.50	Slope/erodibility	0.50	Slope	1.00
Weste----------	15	Moderate		Severe		Poorly suited	
		Slope/erodibility	0.50	Slope/erodibility	0.95	Slope	1.00
						Rock fragments	1.00
						Sandiness	0.50
Inville----------	5	Moderate		Moderate		Poorly suited	
		Slope/erodibility	0.50	Slope/erodibility	0.50	Slope	1.00
Outland----------	3	Moderate		Severe		Poorly suited	
		Slope/erodibility	0.50	Slope/erodibility	0.95	Slope	1.00
						Rock fragments	1.00
Rock outcrop--------	2	Not rated		Not rated		Not rated	
186:							
Eaglelake----------	45	Severe		Severe		Poorly suited	
		Slope/erodibility	0.75	Slope/erodibility	0.95	Slope	1.00
Outland----------	25	Severe		Severe		Poorly suited	
		Slope/erodibility	0.75	Slope/erodibility	0.95	Slope	1.00
Weste----------	15	Severe		Severe		Poorly suited	
		Slope/erodibility	0.75	Slope/erodibility	0.95	Slope	1.00
						Rock fragments	1.00
						Sandiness	0.50
Rubble land---------	5	Not rated		Not rated		Not rated	
Rock outcrop--------	5	Not rated		Not rated		Not rated	
Easte----------	5	Severe		Severe		Poorly suited	
		Slope/erodibility	0.75	Slope/erodibility	0.95	Slope	1.00
						Sandiness	0.50
187:							
Eaglelake----------	45	Moderate		Severe		Poorly suited	
		Slope/erodibility	0.50	Slope/erodibility	0.95	Slope	1.00
Outland----------	25	Moderate		Moderate		Poorly suited	
		Slope/erodibility	0.50	Slope/erodibility	0.50	Slope	1.00
						Rock fragments	0.50
Weste----------	15	Moderate		Moderate		Poorly suited	
		Slope/erodibility	0.50	Slope/erodibility	0.50	Slope	1.00
						Rock fragments	0.50
						Sandiness	0.50
Rubble land---------	5	Not rated		Not rated		Not rated	

TABLE 10.--FORESTLAND MANAGEMENT--Continued

Map symbol and soil name	Pct. of map unit	Hazard of off-road or off-trail erosion		Hazard of erosion on roads and trails		Suitability for roads (natural surface)	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
Easte	4	Moderate Slope/erodibility	0.50	Severe Slope/erodibility	0.95	Poorly suited Slope Sandiness	1.00 0.50
Outland	3	Moderate Slope/erodibility	0.50	Moderate Slope/erodibility	0.50	Poorly suited Slope Rock fragments	1.00 0.50
Weste	3	Moderate Slope/erodibility	0.50	Moderate Slope/erodibility	0.50	Poorly suited Slope Rock fragments Sandiness	1.00 1.00 0.50
188:							
Eaglelake	45	Severe Slope/erodibility	0.75	Severe Slope/erodibility	0.95	Poorly suited Slope	1.00
Outland	25	Severe Slope/erodibility	0.75	Severe Slope/erodibility	0.95	Poorly suited Slope Rock fragments	1.00 0.50
Weste	15	Severe Slope/erodibility	0.75	Severe Slope/erodibility	0.95	Poorly suited Slope Rock fragments Sandiness	1.00 0.50 0.50
Deadwood	8	Severe Slope/erodibility	0.75	Severe Slope/erodibility	0.95	Poorly suited Slope Sandiness	1.00 0.50
Eaglelake	7	Severe Slope/erodibility	0.75	Severe Slope/erodibility	0.95	Poorly suited Slope Rock fragments	1.00 0.50
189:							
Easte	55	Severe Slope/erodibility	0.75	Severe Slope/erodibility	0.95	Poorly suited Slope	1.00
Fredonyer	30	Severe Slope/erodibility	0.75	Severe Slope/erodibility	0.95	Poorly suited Slope Rock fragments	1.00 1.00
Petescreek	4	Severe Slope/erodibility	0.75	Severe Slope/erodibility	0.95	Poorly suited Slope	1.00
Glean	3	Severe Slope/erodibility	0.75	Severe Slope/erodibility	0.95	Poorly suited Slope Rock fragments	1.00 1.00
Said	3	Severe Slope/erodibility	0.75	Severe Slope/erodibility	0.95	Poorly suited Slope	1.00
Rubble land	2	Not rated		Not rated		Not rated	
Xerolls	2	Severe Slope/erodibility	0.75	Severe Slope/erodibility	0.95	Poorly suited Slope Wetness	1.00 1.00
Eaglelake family	1	Severe Slope/erodibility	0.75	Severe Slope/erodibility	0.95	Poorly suited Slope	1.00
190:							
Easte	50	Moderate Slope/erodibility	0.50	Severe Slope/erodibility	0.95	Poorly suited Slope Sandiness	1.00 0.50

TABLE 10.--FORESTLAND MANAGEMENT--Continued

Map symbol and soil name	Pct. of map unit	Hazard of off-road or off-trail erosion		Hazard of erosion on roads and trails		Suitability for roads (natural surface)	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
Roop	35	Moderate		Severe		Poorly suited	
		Slope/erodibility	0.50	Slope/erodibility	0.95	Rock fragments	1.00
						Slope	1.00
Rock outcrop	4	Not rated		Not rated		Not rated	
Outland	4	Moderate		Moderate		Poorly suited	
		Slope/erodibility	0.50	Slope/erodibility	0.50	Slope	1.00
						Rock fragments	0.50
Rubble land	3	Not rated		Not rated		Not rated	
Roop	2	Moderate		Severe		Poorly suited	
		Slope/erodibility	0.50	Slope/erodibility	0.95	Slope	1.00
						Rock fragments	1.00
Easte	2	Severe		Severe		Poorly suited	
		Slope/erodibility	0.75	Slope/erodibility	0.95	Slope	1.00
						Rock fragments	1.00
						Sandiness	0.50
191:							
Easte	50	Severe		Severe		Poorly suited	
		Slope/erodibility	0.75	Slope/erodibility	0.95	Slope	1.00
						Sandiness	0.50
Roop	40	Severe		Severe		Poorly suited	
		Slope/erodibility	0.75	Slope/erodibility	0.95	Slope	1.00
						Rock fragments	1.00
Outland	5	Severe		Severe		Poorly suited	
		Slope/erodibility	0.75	Slope/erodibility	0.95	Slope	1.00
						Rock fragments	0.50
Rock outcrop	3	Not rated		Not rated		Not rated	
Rubble land	2	Not rated		Not rated		Not rated	
194:							
Fiddler	35	Moderate		Moderate		Poorly suited	
		Slope/erodibility	0.50	Slope/erodibility	0.50	Slope	1.00
						Rock fragments	0.50
						Strength	0.50
Gavel	30	Moderate		Severe		Poorly suited	
		Slope/erodibility	0.50	Slope/erodibility	0.95	Slope	1.00
Rubble land	15	Not rated		Not rated		Not rated	
Devada	7	Moderate		Severe		Poorly suited	
		Slope/erodibility	0.50	Slope/erodibility	0.95	Slope	1.00
						Rock fragments	0.50
Orhood	6	Moderate		Moderate		Poorly suited	
		Slope/erodibility	0.50	Slope/erodibility	0.50	Slope	1.00
						Rock fragments	0.50
Rock outcrop	3	Not rated		Not rated		Not rated	
Whitinger	2	Moderate		Moderate		Poorly suited	
		Slope/erodibility	0.50	Slope/erodibility	0.50	Slope	1.00
						Rock fragments	0.50
Said	2	Moderate		Severe		Poorly suited	
		Slope/erodibility	0.50	Slope/erodibility	0.95	Slope	1.00

TABLE 10.--FORESTLAND MANAGEMENT--Continued

Map symbol and soil name	Pct. of map unit	Hazard of off-road or off-trail erosion		Hazard of erosion on roads and trails		Suitability for roads (natural surface)	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
195:							
Fiddler	40	Severe		Severe		Poorly suited	
		Slope/erodibility	0.75	Slope/erodibility	0.95	Slope	1.00
						Rock fragments	0.50
						Strength	0.50
Gavel	25	Severe		Severe		Poorly suited	
		Slope/erodibility	0.75	Slope/erodibility	0.95	Slope	1.00
Rubble land	15	Not rated		Not rated		Not rated	
Orhood	5	Severe		Severe		Poorly suited	
		Slope/erodibility	0.75	Slope/erodibility	0.95	Slope	1.00
						Rock fragments	0.50
Devada	5	Severe		Severe		Poorly suited	
		Slope/erodibility	0.75	Slope/erodibility	0.95	Slope	1.00
						Rock fragments	0.50
Rock outcrop	4	Not rated		Not rated		Not rated	
Whitinger	4	Severe		Severe		Poorly suited	
		Slope/erodibility	0.75	Slope/erodibility	0.95	Slope	1.00
						Rock fragments	0.50
Said	2	Severe		Severe		Poorly suited	
		Slope/erodibility	0.75	Slope/erodibility	0.95	Slope	1.00
196:							
Fiddler	45	Moderate		Moderate		Poorly suited	
		Slope/erodibility	0.50	Slope/erodibility	0.50	Slope	1.00
						Rock fragments	0.50
						Strength	0.50
Madeline	35	Moderate		Severe		Poorly suited	
		Slope/erodibility	0.50	Slope/erodibility	0.95	Rock fragments	1.00
						Slope	1.00
						Strength	0.50
Orhood	5	Moderate		Moderate		Poorly suited	
		Slope/erodibility	0.50	Slope/erodibility	0.50	Slope	1.00
						Rock fragments	0.50
Devada	5	Moderate		Severe		Poorly suited	
		Slope/erodibility	0.50	Slope/erodibility	0.95	Rock fragments	1.00
						Slope	1.00
Rock outcrop	4	Not rated		Not rated		Not rated	
Fivesprings	3	Slight		Moderate		Poorly suited	
				Slope/erodibility	0.50	Rock fragments	1.00
						Slope	0.50
Petescreek	3	Slight		Moderate		Moderately suited	
				Slope/erodibility	0.50	Slope	0.50
197:							
Fiddler	30	Moderate		Moderate		Poorly suited	
		Slope/erodibility	0.50	Slope/erodibility	0.50	Slope	1.00
						Rock fragments	0.50
						Strength	0.50
Orhood	30	Slight		Moderate		Moderately suited	
				Slope/erodibility	0.50	Rock fragments	0.50
						Slope	0.50
Petescreek	25	Moderate		Severe		Poorly suited	
		Slope/erodibility	0.50	Slope/erodibility	0.95	Slope	1.00

TABLE 10.--FORESTLAND MANAGEMENT--Continued

Map symbol and soil name	Pct. of map unit	Hazard of off-road or off-trail erosion		Hazard of erosion on roads and trails		Suitability for roads (natural surface)	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
Home Camp	5	Slight		Moderate		Moderately suited	
				Slope/erodibility	0.50	Rock fragments	0.50
						Slope	0.50
Fredonyer	4	Moderate		Moderate		Poorly suited	
		Slope/erodibility	0.50	Slope/erodibility	0.50	Rock fragments	1.00
						Slope	1.00
Buckbay	3	Moderate		Severe		Poorly suited	
		Slope/erodibility	0.50	Slope/erodibility	0.95	Slope	1.00
Badenaugh	3	Slight		Moderate		Moderately suited	
				Slope/erodibility	0.50	Rock fragments	0.50
						Slope	0.50
207:							
Forgay	85	Slight		Slight		Moderately suited	
						Sandiness	0.50
Mountmed, clay loam-	8	Slight		Slight		Poorly suited	
						Ponding	1.00
						Flooding	1.00
						Strength	0.50
Urban land	7	Not rated		Not rated		Not rated	
208:							
Forgay	80	Slight		Slight		Moderately suited	
						Sandiness	0.50
Urban land	5	Not rated		Not rated		Not rated	
Forgay	5	Slight		Slight		Moderately suited	
						Rock fragments	0.50
						Sandiness	0.50
Riverwash, extremely gravelly coarse sand	5	Not rated		Not rated		Not rated	
Fluvents	5	Slight		Slight		Poorly suited	
						Flooding	1.00
						Strength	0.50
211:							
Fraval	40	Moderate		Severe		Poorly suited	
		Slope/erodibility	0.50	Slope/erodibility	0.95	Slope	1.00
Fredonyer	25	Moderate		Moderate		Poorly suited	
		Slope/erodibility	0.50	Slope/erodibility	0.50	Slope	1.00
						Rock fragments	0.50
Said	20	Moderate		Severe		Poorly suited	
		Slope/erodibility	0.50	Slope/erodibility	0.95	Slope	1.00
Keddie, loam	3	Slight		Slight		Poorly suited	
						Wetness	1.00
						Strength	0.50
Rubble land	2	Not rated		Not rated		Not rated	
Rock outcrop	2	Not rated		Not rated		Not rated	

TABLE 10.--FORESTLAND MANAGEMENT--Continued

Map symbol and soil name	Pct. of map unit	Hazard of off-road or off-trail erosion		Hazard of erosion on roads and trails		Suitability for roads (natural surface)	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
Searles, very stony loam	2	Moderate Slope/erodibility	0.50	Moderate Slope/erodibility	0.50	Poorly suited Slope Rock fragments	1.00 1.00
Petescreek, gravelly loam	2	Moderate Slope/erodibility	0.50	Severe Slope/erodibility	0.95	Poorly suited Slope Rock fragments	1.00 0.50
Ninemile, very stony loam	2	Slight		Moderate Slope/erodibility	0.50	Poorly suited Rock fragments Slope Stickiness Strength	1.00 0.50 0.50 0.50
Orhood, very stony sandy loam	2	Moderate Slope/erodibility	0.50	Moderate Slope/erodibility	0.50	Poorly suited Slope Rock fragments	1.00 0.50
212:							
Fraval	60	Moderate Slope/erodibility	0.50	Severe Slope/erodibility	0.95	Poorly suited Slope	1.00
Said	30	Moderate Slope/erodibility	0.50	Severe Slope/erodibility	0.95	Poorly suited Slope	1.00
Rock outcrop	5	Not rated		Not rated		Not rated	
Fredonyer, very stony loam	3	Moderate Slope/erodibility	0.50	Moderate Slope/erodibility	0.50	Poorly suited Slope Rock fragments	1.00 0.50
Ninemile, very stony loam	2	Slight		Moderate Slope/erodibility	0.50	Poorly suited Rock fragments Slope Stickiness Strength	1.00 0.50 0.50 0.50
213:							
Fredonyer	45	Severe Slope/erodibility	0.75	Severe Slope/erodibility	0.95	Poorly suited Slope Rock fragments	1.00 0.50
Whitinger	25	Severe Slope/erodibility	0.75	Severe Slope/erodibility	0.95	Poorly suited Slope Rock fragments	1.00 0.50
Orhood	15	Severe Slope/erodibility	0.75	Severe Slope/erodibility	0.95	Poorly suited Slope Rock fragments	1.00 0.50
Badenaugh, stony sandy loam	3	Severe Slope/erodibility	0.75	Severe Slope/erodibility	0.95	Poorly suited Slope Rock fragments	1.00 0.50
Rubble land	2	Not rated		Not rated		Not rated	
Rock outcrop	2	Not rated		Not rated		Not rated	

TABLE 10.--FORESTLAND MANAGEMENT--Continued

Map symbol and soil name	Pct. of map unit	Hazard of off-road or off-trail erosion		Hazard of erosion on roads and trails		Suitability for roads (natural surface)	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
Searles, very stony loam	2	Severe Slope/erodibility	0.75	Severe Slope/erodibility	0.95	Poorly suited Slope Rock fragments	1.00 1.00
Petescreek, very gravelly loam	2	Moderate Slope/erodibility	0.50	Severe Slope/erodibility	0.95	Poorly suited Slope	1.00
Hapgood, stony loam-	2	Moderate Slope/erodibility	0.50	Severe Slope/erodibility	0.95	Poorly suited Slope Rock fragments	1.00 0.50
Fiddler, very stony loam	2	Severe Slope/erodibility	0.75	Severe Slope/erodibility	0.95	Poorly suited Slope Rock fragments Strength	1.00 0.50 0.50
218:							
Gavel	85	Moderate Slope/erodibility	0.50	Severe Slope/erodibility	0.95	Poorly suited Slope Rock fragments	1.00 0.50
Devada, very cobbly loam	8	Moderate Slope/erodibility	0.50	Moderate Slope/erodibility	0.50	Poorly suited Slope Rock fragments	1.00 0.50
Searles, very stony loam	7	Moderate Slope/erodibility	0.50	Moderate Slope/erodibility	0.50	Poorly suited Slope Rock fragments	1.00 1.00
219:							
Gavel	55	Severe Slope/erodibility	0.75	Severe Slope/erodibility	0.95	Poorly suited Slope Rock fragments	1.00 1.00
Devada	35	Severe Slope/erodibility	0.75	Severe Slope/erodibility	0.95	Poorly suited Slope Rock fragments	1.00 0.50
Devada, very cobbly loam	10	Very severe Slope/erodibility	0.95	Severe Slope/erodibility	0.95	Poorly suited Slope Rock fragments	1.00 0.50
223:							
Gerle	90	Slight		Slight		Well suited	
Gerle, gravelly sandy loam	5	Slight		Slight		Well suited	
Gerle	5	Slight		Slight		Moderately suited Rock fragments	0.50
224:							
Gerle	85	Severe Slope/erodibility	0.75	Severe Slope/erodibility	0.95	Poorly suited Slope	1.00
Gerle	5	Severe Slope/erodibility	0.75	Severe Slope/erodibility	0.95	Poorly suited Rock fragments Slope	1.00 1.00
Rock outcrop	5	Not rated		Not rated		Not rated	

TABLE 10.--FORESTLAND MANAGEMENT--Continued

Map symbol and soil name	Pct. of map unit	Hazard of off-road or off-trail erosion		Hazard of erosion on roads and trails		Suitability for roads (natural surface)	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
Mottsville, gravelly loamy coarse sand--	5	Severe Slope/erodibility	0.75	Severe Slope/erodibility	0.95	Poorly suited Slope Sandiness	1.00 0.50
225:							
Gerle----------	50	Very severe Slope/erodibility	0.95	Severe Slope/erodibility	0.95	Poorly suited Slope Rock fragments	1.00 1.00
Gerle----------	25	Very severe Slope/erodibility	0.95	Severe Slope/erodibility	0.95	Poorly suited Slope	1.00
Gerle----------	15	Severe Slope/erodibility	0.75	Severe Slope/erodibility	0.95	Poorly suited Slope	1.00
Rock outcrop--------	10	Not rated		Not rated		Not rated	
232:							
Hangtown----------	75	Severe Slope/erodibility	0.75	Severe Slope/erodibility	0.95	Poorly suited Slope Rock fragments	1.00 0.50
Hangtown----------	5	Severe Slope/erodibility	0.75	Severe Slope/erodibility	0.95	Poorly suited Rock fragments Slope	1.00 1.00
Rock outcrop--------	5	Not rated		Not rated		Not rated	
Penstock, stony loam	5	Severe Slope/erodibility	0.75	Severe Slope/erodibility	0.95	Poorly suited Slope Rock fragments	1.00 0.50
Scaribou, stony loam	5	Severe Slope/erodibility	0.75	Severe Slope/erodibility	0.95	Poorly suited Slope Rock fragments	1.00 0.50
Deadwood, very gravelly sandy loam	5	Severe Slope/erodibility	0.75	Severe Slope/erodibility	0.95	Poorly suited Slope Sandiness	1.00 0.50
256:							
Indiano----------	45	Severe Slope/erodibility	0.75	Severe Slope/erodibility	0.95	Poorly suited Slope Rock fragments	1.00 0.50
Zephan----------	30	Severe Slope/erodibility	0.75	Severe Slope/erodibility	0.95	Poorly suited Slope Rock fragments	1.00 0.50
Duco----------	15	Severe Slope/erodibility	0.75	Severe Slope/erodibility	0.95	Poorly suited Slope Rock fragments	1.00 0.50
Barnard, stony sandy loam----------	2	Slight		Moderate Slope/erodibility	0.50	Moderately suited Rock fragments Slope	0.50 0.50
Graufels, bouldery sand----------	2	Severe Slope/erodibility	0.75	Severe Slope/erodibility	0.95	Poorly suited Slope Rock fragments Sandiness	1.00 1.00 0.50

TABLE 10.--FORESTLAND MANAGEMENT--Continued

Map symbol and soil name	Pct. of map unit	Hazard of off-road or off-trail erosion		Hazard of erosion on roads and trails		Suitability for roads (natural surface)	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
Glenbrook----------	2	Severe Slope/erodibility	0.75	Severe Slope/erodibility	0.95	Poorly suited Slope Sandiness	1.00 0.50
Glean, very stony loam----------	2	Severe Slope/erodibility	0.75	Severe Slope/erodibility	0.95	Poorly suited Slope Rock fragments	1.00 1.00
Corral, very cobbly loam----------	2	Severe Slope/erodibility	0.75	Severe Slope/erodibility	0.95	Poorly suited Slope Rock fragments	1.00 0.50
257:							
Inville----------	85	Slight		Slight		Well suited	
Mountmed, clay loam-	8	Slight		Slight		Poorly suited Ponding Flooding Strength	1.00 1.00 0.50
Swainow, very gravelly sandy loam	7	Slight		Moderate Slope/erodibility	0.50	Moderately suited Slope	0.50
259:							
Jauriga----------	40	Slight		Moderate Slope/erodibility	0.50	Moderately suited Slope	0.50
Buckbay----------	25	Slight		Severe Slope/erodibility	0.95	Moderately suited Slope	0.50
Fredonyer----------	20	Moderate Slope/erodibility	0.50	Moderate Slope/erodibility	0.50	Poorly suited Slope Rock fragments	1.00 1.00
Rubble land---------	5	Not rated		Not rated		Not rated	
Rock outcrop--------	5	Not rated		Not rated		Not rated	
Petescreek, gravelly loam----------	5	Moderate Slope/erodibility	0.50	Severe Slope/erodibility	0.95	Poorly suited Slope Rock fragments	1.00 0.50
266:							
Lasco----------	90	Slight		Moderate Slope/erodibility	0.50	Moderately suited Slope	0.50
Lasco----------	5	Slight		Moderate Slope/erodibility	0.50	Moderately suited Rock fragments Slope	0.50 0.50
Scaribou, very gravelly loam------	5	Slight		Moderate Slope/erodibility	0.50	Moderately suited Slope	0.50
267:							
Lasco----------	95	Severe Slope/erodibility	0.75	Severe Slope/erodibility	0.95	Poorly suited Slope	1.00
Bonta, gravelly sandy loam---------	5	Severe Slope/erodibility	0.75	Severe Slope/erodibility	0.95	Poorly suited Slope	1.00

TABLE 10.--FORESTLAND MANAGEMENT--Continued

Map symbol and soil name	Pct. of map unit	Hazard of off-road or off-trail erosion		Hazard of erosion on roads and trails		Suitability for roads (natural surface)	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
268:							
Lasco	90	Moderate		Severe		Poorly suited	
		Slope/erodibility	0.50	Slope/erodibility	0.95	Slope	1.00
Waterman	5	Moderate		Severe		Poorly suited	
		Slope/erodibility	0.50	Slope/erodibility	0.95	Slope	1.00
						Rock fragments	1.00
Dotta, gravelly loam	5	Slight		Moderate		Moderately suited	
				Slope/erodibility	0.50	Slope	0.50
269:							
Lasco	65	Moderate		Severe		Poorly suited	
		Slope/erodibility	0.50	Slope/erodibility	0.95	Slope	1.00
Bonta	25	Moderate		Severe		Poorly suited	
		Slope/erodibility	0.50	Slope/erodibility	0.95	Slope	1.00
Chirpchatter, sandy loam	4	Slight		Moderate		Moderately suited	
				Slope/erodibility	0.50	Slope	0.50
Chimney, gravelly loamy coarse sand	3	Moderate		Severe		Poorly suited	
		Slope/erodibility	0.50	Slope/erodibility	0.95	Slope	1.00
Cagwin, loamy sand	3	Moderate		Severe		Poorly suited	
		Slope/erodibility	0.50	Slope/erodibility	0.95	Slope	1.00
298:							
Ninemile	30	Slight		Slight		Poorly suited	
						Rock fragments	1.00
						Stickiness	0.50
						Strength	0.50
Petescreek	30	Slight		Severe		Moderately suited	
				Slope/erodibility	0.95	Slope	0.50
Fiddler	25	Moderate		Moderate		Poorly suited	
		Slope/erodibility	0.50	Slope/erodibility	0.50	Slope	1.00
						Rock fragments	0.50
						Strength	0.50
Rock outcrop	5	Not rated		Not rated		Not rated	
Fredonyer, very stony loam	5	Moderate		Moderate		Poorly suited	
		Slope/erodibility	0.50	Slope/erodibility	0.50	Slope	1.00
						Rock fragments	0.50
Devada, very stony loam	5	Moderate		Severe		Poorly suited	
		Slope/erodibility	0.50	Slope/erodibility	0.95	Rock fragments	1.00
						Slope	1.00
299:							
Ninemile	50	Slight		Slight		Moderately suited	
						Rock fragments	0.50
						Stickiness	0.50
						Strength	0.50
Weste	35	Slight		Moderate		Moderately suited	
				Slope/erodibility	0.50	Sandiness	0.50

TABLE 10.--FORESTLAND MANAGEMENT--Continued

Map symbol and soil name	Pct. of map unit	Hazard of off-road or off-trail erosion		Hazard of erosion on roads and trails		Suitability for roads (natural surface)	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
Mountmed, clay loam-	8	Slight		Slight		Poorly suited	
						Ponding	1.00
						Flooding	1.00
						Strength	0.50
Rock outcrop--------	7	Not rated		Not rated		Not rated	
302:							
Orhood----------	80	Slight		Moderate		Moderately suited	
				Slope/erodibility	0.50	Rock fragments	0.50
						Slope	0.50
Incy, fine sand-----	8	Slight		Moderate		Moderately suited	
				Slope/erodibility	0.50	Slope	0.50
						Sandiness	0.50
Searles, very stony loam----------	6	Slight		Moderate		Poorly suited	
				Slope/erodibility	0.50	Rock fragments	1.00
						Slope	0.50
Puls, very stony loam----------	6	Slight		Moderate		Poorly suited	
				Slope/erodibility	0.50	Rock fragments	1.00
						Strength	0.50
						Slope	0.50
304:							
Outland----------	75	Severe		Severe		Poorly suited	
		Slope/erodibility	0.75	Slope/erodibility	0.95	Slope	1.00
						Rock fragments	1.00
Rock outcrop--------	10	Not rated		Not rated		Not rated	
Rubble land---------	10	Not rated		Not rated		Not rated	
Eaglelake, very gravelly loam------	5	Severe		Severe		Poorly suited	
		Slope/erodibility	0.75	Slope/erodibility	0.95	Slope	1.00
305:							
Outland----------	60	Slight		Moderate		Moderately suited	
				Slope/erodibility	0.50	Slope	0.50
Outland----------	30	Moderate		Moderate		Poorly suited	
		Slope/erodibility	0.50	Slope/erodibility	0.50	Slope	1.00
						Rock fragments	1.00
Eaglelake, very gravelly loam------	5	Moderate		Severe		Poorly suited	
		Slope/erodibility	0.50	Slope/erodibility	0.95	Slope	1.00
Rock outcrop--------	5	Not rated		Not rated		Not rated	
306:							
Outland----------	60	Moderate		Moderate		Poorly suited	
		Slope/erodibility	0.50	Slope/erodibility	0.50	Slope	1.00
						Rock fragments	0.50
Penstock----------	25	Moderate		Severe		Poorly suited	
		Slope/erodibility	0.50	Slope/erodibility	0.95	Slope	1.00
Deadwood, very gravelly sandy loam	8	Moderate		Severe		Poorly suited	
		Slope/erodibility	0.50	Slope/erodibility	0.95	Slope	1.00
						Sandiness	0.50

TABLE 10.--FORESTLAND MANAGEMENT--Continued

Map symbol and soil name	Pct. of map unit	Hazard of off-road or off-trail erosion		Hazard of erosion on roads and trails		Suitability for roads (natural surface)	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
Easte, very gravelly sandy loam---------	7	Moderate Slope/erodibility	 0.50	Severe Slope/erodibility	 0.95	Poorly suited Slope Sandiness	 1.00 0.50
307:							
Outland----------	60	Severe Slope/erodibility	 0.75	Severe Slope/erodibility	 0.95	Poorly suited Slope Rock fragments	 1.00 0.50
Penstock----------	25	Severe Slope/erodibility	 0.75	Severe Slope/erodibility	 0.95	Poorly suited Slope	 1.00
Fiddler, very stony loam----------	8	Severe Slope/erodibility Slope/erodibility	 0.75 0.75	Severe Slope/erodibility Slope/erodibility	 0.95 0.95	Poorly suited Slope	 1.00
Easte, deep to bedrock----------	7	Severe Slope/erodibility Slope/erodibility	 0.75 0.75	Severe Slope/erodibility Slope/erodibility	 0.95 0.95	Poorly suited Slope	 1.00
308:							
Papeek----------	85	Moderate Slope/erodibility	 0.50	Severe Slope/erodibility	 0.95	Poorly suited Slope Strength	 1.00 0.50
Ulhalf, very gravelly sandy loam	8	Moderate Slope/erodibility	 0.50	Severe Slope/erodibility	 0.95	Poorly suited Slope Rock fragments	 1.00 1.00
Papeek, clay loam---	7	Moderate Slope/erodibility	 0.50	Severe Slope/erodibility	 0.95	Poorly suited Slope Strength	 1.00 0.50
309:							
Papeek----------	95	Severe Slope/erodibility	 0.75	Severe Slope/erodibility	 0.95	Poorly suited Slope Strength	 1.00 0.50
Deadwood, very gravelly sandy loam	5	Severe Slope/erodibility	 0.75	Severe Slope/erodibility	 0.95	Poorly suited Slope Sandiness	 1.00 0.50
310:							
Penstock----------	65	Moderate Slope/erodibility	 0.50	Severe Slope/erodibility	 0.95	Poorly suited Slope	 1.00
Deadwood----------	25	Moderate Slope/erodibility	 0.50	Severe Slope/erodibility	 0.95	Poorly suited Slope Sandiness	 1.00 0.50
Rock outcrop--------	5	Not rated		Not rated		Not rated	
Scaribou, very gravelly loam------	5	Moderate Slope/erodibility	 0.50	Severe Slope/erodibility	 0.95	Poorly suited Slope	 1.00
311:							
Penstock----------	50	Severe Slope/erodibility	 0.75	Severe Slope/erodibility	 0.95	Poorly suited Slope	 1.00
Deadwood----------	20	Severe Slope/erodibility	 0.75	Severe Slope/erodibility	 0.95	Poorly suited Slope Sandiness	 1.00 0.50

TABLE 10.--FORESTLAND MANAGEMENT--Continued

Map symbol and soil name	Pct. of map unit	Hazard of off-road or off-trail erosion		Hazard of erosion on roads and trails		Suitability for roads (natural surface)	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
Rock outcrop--------	15	Not rated		Not rated		Not rated	
Weste, very gravelly sandy loam---------	8	Severe Slope/erodibility	0.75	Severe Slope/erodibility	0.95	Poorly suited Slope Sandiness	1.00 0.50
Tahand----------	7	Severe Slope/erodibility	0.75	Severe Slope/erodibility	0.95	Poorly suited Slope Rock fragments	1.00 1.00
312:							
Penstock, stony loam	50	Moderate Slope/erodibility	0.50	Severe Slope/erodibility	0.95	Poorly suited Slope Rock fragments	1.00 0.50
Scaribou, stony loam	40	Moderate Slope/erodibility	0.50	Moderate Slope/erodibility	0.50	Poorly suited Slope Rock fragments	1.00 0.50
Inville, very gravelly loam------	5	Slight		Slight		Well suited	
Aquolls, gravelly sandy loam---------	5	Slight		Slight		Poorly suited Wetness	1.00
313:							
Penstock, stony loam	45	Severe Slope/erodibility	0.75	Severe Slope/erodibility	0.95	Poorly suited Slope Rock fragments	1.00 0.50
Scaribou, stony loam	40	Severe Slope/erodibility	0.75	Severe Slope/erodibility	0.95	Poorly suited Slope Rock fragments	1.00 0.50
Deadwood, very gravelly sandy loam	8	Severe Slope/erodibility	0.75	Severe Slope/erodibility	0.95	Poorly suited Slope Sandiness	1.00 0.50
Rock outcrop--------	7	Not rated		Not rated		Not rated	
321:							
Petescreek----------	35	Moderate Slope/erodibility	0.50	Severe Slope/erodibility	0.95	Poorly suited Slope Rock fragments	1.00 0.50
Orhood----------	25	Moderate Slope/erodibility	0.50	Moderate Slope/erodibility	0.50	Poorly suited Slope Rock fragments	1.00 0.50
Fredonyer----------	20	Moderate Slope/erodibility	0.50	Moderate Slope/erodibility	0.50	Poorly suited Slope Rock fragments	1.00 1.00
Searles, very cobbly loam----------	4	Moderate Slope/erodibility	0.50	Moderate Slope/erodibility	0.50	Poorly suited Slope Rock fragments	1.00 0.50
Easte, very gravelly sandy loam---------	4	Moderate Slope/erodibility	0.50	Severe Slope/erodibility	0.95	Poorly suited Slope Sandiness	1.00 0.50

TABLE 10.--FORESTLAND MANAGEMENT--Continued

Map symbol and soil name	Pct. of map unit	Hazard of off-road or off-trail erosion		Hazard of erosion on roads and trails		Suitability for roads (natural surface)	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
Indiano, stony fine sandy loam---------	4	Moderate Slope/erodibility	0.50	Severe Slope/erodibility	0.95	Poorly suited Slope Rock fragments	1.00 0.50
Glean, very stony loam---------------	4	Moderate Slope/erodibility	0.50	Severe Slope/erodibility	0.95	Poorly suited Slope Rock fragments	1.00 1.00
Alomax, very stony sandy loam---------	4	Moderate Slope/erodibility	0.50	Moderate Slope/erodibility	0.50	Poorly suited Slope Rock fragments	1.00 1.00
323:							
Petescreek----------	45	Moderate Slope/erodibility	0.50	Severe Slope/erodibility	0.95	Poorly suited Slope	1.00
Searles-------------	25	Moderate Slope/erodibility	0.50	Moderate Slope/erodibility	0.50	Poorly suited Slope Rock fragments	1.00 0.50
Orhood--------------	20	Moderate Slope/erodibility	0.50	Moderate Slope/erodibility	0.50	Poorly suited Slope Rock fragments	1.00 0.50
Fredonyer, very stony loam---------	10	Moderate Slope/erodibility	0.50	Moderate Slope/erodibility	0.50	Poorly suited Slope Rock fragments	1.00 1.00
332:							
Quartzburg----------	60	Very severe Slope/erodibility	0.95	Severe Slope/erodibility	0.95	Poorly suited Slope Rock fragments Sandiness	1.00 0.50 0.50
Scaribou------------	30	Very severe Slope/erodibility	0.95	Severe Slope/erodibility	0.95	Poorly suited Slope	1.00
Rubble land---------	5	Not rated		Not rated		Not rated	
Rock outcrop--------	5	Not rated		Not rated		Not rated	
337:							
Redriver------------	45	Slight		Slight		Moderately suited Slope	0.50
Gerle---------------	35	Slight		Moderate Slope/erodibility	0.50	Moderately suited Slope	0.50
Inville, very gravelly loam------	10	Slight		Slight		Well suited	
Forgay, extremely gravelly sandy loam	10	Slight		Slight		Moderately suited Sandiness	0.50
338:							
Redriver------------	50	Slight		Slight		Moderately suited Sandiness Slope	0.50 0.50
Weste---------------	30	Slight		Moderate Slope/erodibility	0.50	Moderately suited Sandiness Slope	0.50 0.50

TABLE 10.--FORESTLAND MANAGEMENT--Continued

Map symbol and soil name	Pct. of map unit	Hazard of off-road or off-trail erosion		Hazard of erosion on roads and trails		Suitability for roads (natural surface)	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
Woodwest, very stony sandy loam	5	Slight		Slight		Moderately suited Rock fragments	 0.50
Swainow, very gravelly sandy loam	5	Slight		Moderate Slope/erodibility	 0.50	Moderately suited Slope	 0.50
Keddie, loam	5	Slight		Slight		Poorly suited Wetness Strength	 1.00 0.50
Inville, very gravelly loam	5	Slight		Slight		Well suited	
339:							
Redriver, stony sandy loam	50	Slight		Slight		Moderately suited Rock fragments	 0.50
Woodwest	20	Slight		Slight		Moderately suited Rock fragments	 0.50
Wafla	15	Slight		Slight		Well suited	
Inville, very gravelly loam	8	Slight		Slight		Well suited	
Rock outcrop	7	Not rated		Not rated		Not rated	
343:							
Rubble land	60	Not rated		Not rated		Not rated	
Fiddler	25	Moderate Slope/erodibility	 0.50	Severe Slope/erodibility	 0.95	Poorly suited Slope Rock fragments Strength	 1.00 0.50 0.50
Orhood, very stony loam	8	Moderate Slope/erodibility	 0.50	Severe Slope/erodibility	 0.95	Poorly suited Slope Rock fragments	 1.00 0.50
Rock outcrop	7	Not rated		Not rated		Not rated	
346:							
Rubble land	60	Not rated		Not rated		Not rated	
Weste	20	Moderate Slope/erodibility	 0.50	Severe Slope/erodibility	 0.95	Poorly suited Rock fragments Slope Sandiness	 1.00 1.00 0.50
Gavel	5	Moderate Slope/erodibility	 0.50	Severe Slope/erodibility	 0.95	Poorly suited Slope Rock fragments	 1.00 0.50
Easte, gravelly loam	7	Moderate Slope/erodibility	 0.50	Severe Slope/erodibility	 0.95	Poorly suited Slope	 1.00
Scaribou, very gravelly loam	3	Moderate Slope/erodibility	 0.50	Severe Slope/erodibility	 0.95	Poorly suited Slope	 1.00
Outland, very stony loam	3	Severe Slope/erodibility	 0.75	Severe Slope/erodibility	 0.95	Poorly suited Slope Rock fragments	 1.00 0.50

TABLE 10.--FORESTLAND MANAGEMENT--Continued

Map symbol and soil name	Pct. of map unit	Hazard of off-road or off-trail erosion		Hazard of erosion on roads and trails		Suitability for roads (natural surface)	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
Rock outcrop--------	2	Not rated		Not rated		Not rated	
351:							
Said----------	85	Moderate		Severe		Poorly suited	
		Slope/erodibility	0.50	Slope/erodibility	0.95	Slope	1.00
Fredonyer, very stony loam---------	5	Moderate		Moderate		Poorly suited	
		Slope/erodibility	0.50	Slope/erodibility	0.50	Rock fragments	1.00
						Slope	1.00
Easte, very gravelly sandy loam---------	5	Moderate		Severe		Poorly suited	
		Slope/erodibility	0.50	Slope/erodibility	0.95	Slope	1.00
						Sandiness	0.50
Ninemile, very cobbly loam--------	3	Slight		Moderate		Moderately suited	
				Slope/erodibility	0.50	Slope	0.50
						Stickiness	0.50
						Strength	0.50
Petescreek, gravelly loam----------	2	Moderate		Severe		Poorly suited	
		Slope/erodibility	0.50	Slope/erodibility	0.95	Slope	1.00
352:							
Said----------	50	Severe		Severe		Poorly suited	
		Slope/erodibility	0.75	Slope/erodibility	0.95	Slope	1.00
Fraval----------	35	Severe		Severe		Poorly suited	
		Slope/erodibility	0.75	Slope/erodibility	0.95	Slope	1.00
						Strength	0.50
Easte, very gravelly sandy loam---------	8	Severe		Severe		Poorly suited	
		Slope/erodibility	0.75	Slope/erodibility	0.95	Slope	1.00
						Sandiness	0.50
Deadwood family, very gravelly sandy loam----------	7	Moderate		Severe		Poorly suited	
		Slope/erodibility	0.50	Slope/erodibility	0.95	Slope	1.00
						Sandiness	0.50
353:							
Said----------	60	Moderate		Severe		Poorly suited	
		Slope/erodibility	0.50	Slope/erodibility	0.95	Slope	1.00
Ninemile----------	25	Slight		Moderate		Moderately suited	
				Slope/erodibility	0.50	Stickiness	0.50
						Strength	0.50
Rock outcrop--------	5	Not rated		Not rated		Not rated	
Fredonyer, very stony loam---------	5	Moderate		Moderate		Poorly suited	
		Slope/erodibility	0.50	Slope/erodibility	0.50	Slope	1.00
						Rock fragments	1.00
Eaglelake, very gravelly loam------	5	Slight		Severe		Moderately suited	
				Slope/erodibility	0.95	Slope	0.50

TABLE 10.--FORESTLAND MANAGEMENT--Continued

Map symbol and soil name	Pct. of map unit	Hazard of off-road or off-trail erosion		Hazard of erosion on roads and trails		Suitability for roads (natural surface)	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
354:							
Scaribou	85	Moderate Slope/erodibility	0.50	Severe Slope/erodibility	0.95	Poorly suited Slope	1.00
Scaribou, stony loam	8	Moderate Slope/erodibility	0.50	Moderate Slope/erodibility	0.50	Poorly suited Slope Rock fragments	1.00 0.50
Penstock, stony loam	7	Slight		Moderate Slope/erodibility	0.50	Moderately suited Rock fragments Slope	0.50 0.50
355:							
Scaribou	55	Very severe Slope/erodibility	0.95	Severe Slope/erodibility	0.95	Poorly suited Slope Rock fragments	1.00 1.00
Penstock	20	Very severe Slope/erodibility	0.95	Severe Slope/erodibility	0.95	Poorly suited Slope	1.00
Rock outcrop	15	Not rated		Not rated		Not rated	
Rubble land	5	Not rated		Not rated		Not rated	
Deadwood, very gravelly sandy loam	5	Very severe Slope/erodibility	0.95	Severe Slope/erodibility	0.95	Poorly suited Slope Sandiness	1.00 0.50
360:							
Searles	35	Moderate Slope/erodibility	0.50	Moderate Slope/erodibility	0.50	Poorly suited Slope Rock fragments	1.00 0.50
Orhood	30	Moderate Slope/erodibility	0.50	Moderate Slope/erodibility	0.50	Poorly suited Slope Rock fragments	1.00 0.50
Devada	20	Moderate Slope/erodibility	0.50	Moderate Slope/erodibility	0.50	Poorly suited Slope Rock fragments	1.00 0.50
Bucklake, very stony loam	4	Moderate Slope/erodibility	0.50	Moderate Slope/erodibility	0.50	Poorly suited Slope Rock fragments	1.00 1.00
Fiddler, very stony loam	4	Moderate Slope/erodibility	0.50	Moderate Slope/erodibility	0.50	Poorly suited Rock fragments Slope Strength	1.00 1.00 0.50
Fivesprings, very stony loam	3	Moderate Slope/erodibility	0.50	Moderate Slope/erodibility	0.50	Poorly suited Slope Rock fragments	1.00 1.00
Rock outcrop	2	Not rated		Not rated		Not rated	
Xerolls, loamy coarse sand	2	Slight		Moderate Slope/erodibility	0.50	Poorly suited Wetness Slope	1.00 0.50

TABLE 10.--FORESTLAND MANAGEMENT--Continued

Map symbol and soil name	Pct. of map unit	Hazard of off-road or off-trail erosion		Hazard of erosion on roads and trails		Suitability for roads (natural surface)	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
364:							
Southpac	85	Severe		Severe		Poorly suited	
		Slope/erodibility	0.75	Slope/erodibility	0.95	Slope	1.00
						Rock fragments	1.00
Rock outcrop	8	Not rated		Not rated		Not rated	
Riverwash	4	Not rated		Not rated		Not rated	
Keddie, loam	3	Slight		Slight		Poorly suited	
						Wetness	1.00
						Strength	0.50
373:							
Swainow	40	Moderate		Moderate		Poorly suited	
		Slope/erodibility	0.50	Slope/erodibility	0.50	Slope	1.00
						Rock fragments	0.50
Almanor	30	Moderate		Moderate		Poorly suited	
		Slope/erodibility	0.50	Slope/erodibility	0.50	Slope	1.00
						Rock fragments	0.50
Tahand	20	Moderate		Severe		Poorly suited	
		Slope/erodibility	0.50	Slope/erodibility	0.95	Slope	1.00
Whorled, very gravelly sandy loam	10	Moderate		Severe		Poorly suited	
		Slope/erodibility	0.50	Slope/erodibility	0.95	Slope	1.00
						Sandiness	0.50
374:							
Swainow, very stony sandy loam	65	Moderate		Moderate		Poorly suited	
		Slope/erodibility	0.50	Slope/erodibility	0.50	Slope	1.00
						Rock fragments	1.00
						Sandiness	0.50
Almanor	20	Moderate		Moderate		Poorly suited	
		Slope/erodibility	0.50	Slope/erodibility	0.50	Slope	1.00
						Rock fragments	1.00
Keddie, loam	3	Slight		Slight		Poorly suited	
						Wetness	1.00
						Strength	0.50
Almanor, very gravelly sandy loam	3	Moderate		Moderate		Poorly suited	
		Slope/erodibility	0.50	Slope/erodibility	0.50	Rock fragments	1.00
						Slope	1.00
Rock outcrop	3	Not rated		Not rated		Not rated	
Whorled, very gravelly sandy loam	4	Moderate		Severe		Poorly suited	
		Slope/erodibility	0.50	Slope/erodibility	0.95	Slope	1.00
						Sandiness	0.50
Tahand	2	Moderate		Severe		Poorly suited	
		Slope/erodibility	0.50	Slope/erodibility	0.95	Slope	1.00
						Rock fragments	1.00
375:							
Swainow	50	Slight		Moderate		Moderately suited	
				Slope/erodibility	0.50	Slope	0.50
Redriver	35	Slight		Slight		Moderately suited	
						Slope	0.50

TABLE 10.--FORESTLAND MANAGEMENT--Continued

Map symbol and soil name	Pct. of map unit	Hazard of off-road or off-trail erosion		Hazard of erosion on roads and trails		Suitability for roads (natural surface)	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
Rubble land---------	5	Not rated		Not rated		Not rated	
Redriver----------	5	Slight		Slight		Moderately suited Rock fragments Slope	 0.50 0.50
Woodwest, very stony sandy loam---------	5	Slight		Slight		Moderately suited Rock fragments	 0.50
376:							
Swainow----------	55	Severe Slope/erodibility	 0.75	Severe Slope/erodibility	 0.95	Poorly suited Slope Rock fragments	 1.00 1.00
Tahand----------	35	Severe Slope/erodibility	 0.75	Severe Slope/erodibility	 0.95	Poorly suited Slope Rock fragments	 1.00 1.00
Urban land----------	5	Not rated		Not rated		Not rated	
Baileycreek, very bouldery loam------	5	Severe Slope/erodibility	 0.75	Severe Slope/erodibility	 0.95	Poorly suited Slope Rock fragments	 1.00 1.00
377:							
Tahand, very gravelly loam------	45	Moderate Slope/erodibility	 0.50	Severe Slope/erodibility	 0.95	Poorly suited Slope	 1.00
Baileycreek---------	35	Moderate Slope/erodibility	 0.50	Severe Slope/erodibility	 0.95	Poorly suited Slope	 1.00
Rock outcrop--------	5	Not rated		Not rated		Not rated	
Baileycreek, very stony loam---------	5	Moderate Slope/erodibility	 0.50	Moderate Slope/erodibility	 0.50	Poorly suited Slope Rock fragments	 1.00 1.00
Weste, very stony sandy loam---------	5	Moderate Slope/erodibility	 0.50	Moderate Slope/erodibility	 0.50	Poorly suited Slope Rock fragments Sandiness	 1.00 1.00 0.50
Redriver, very gravelly sandy loam	5	Slight		Slight		Moderately suited Slope	 0.50
378:							
Tahand----------	35	Slight		Moderate Slope/erodibility	 0.50	Moderately suited Slope	 0.50
Swainow----------	30	Slight		Moderate Slope/erodibility	 0.50	Moderately suited Rock fragments Slope	 0.50 0.50
Almanor----------	20	Slight		Slight		Moderately suited Slope	 0.50
Rock outcrop--------	5	Not rated		Not rated		Not rated	
Woodwest, very stony sandy loam---------	5	Slight		Slight		Moderately suited Rock fragments	 0.50

TABLE 10.--FORESTLAND MANAGEMENT--Continued

Map symbol and soil name	Pct. of map unit	Hazard of off-road or off-trail erosion		Hazard of erosion on roads and trails		Suitability for roads (natural surface)	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
Keddie, loam--------	5	Slight		Slight		Poorly suited	
						Wetness	1.00
						Strength	0.50
382:							
Toiyabe----------	50	Severe		Severe		Poorly suited	
		Slope/erodibility	0.75	Slope/erodibility	0.95	Slope	1.00
Lasco----------	20	Severe		Severe		Poorly suited	
		Slope/erodibility	0.75	Slope/erodibility	0.95	Slope	1.00
Quartzburg----------	15	Severe		Severe		Poorly suited	
		Slope/erodibility	0.75	Slope/erodibility	0.95	Slope	1.00
						Rock fragments	0.50
						Sandiness	0.50
Rock outcrop--------	5	Not rated		Not rated		Not rated	
Toiyabe----------	5	Severe		Severe		Poorly suited	
		Slope/erodibility	0.75	Slope/erodibility	0.95	Rock fragments	1.00
						Slope	1.00
Outland, very stony loam----------	5	Severe		Severe		Poorly suited	
		Slope/erodibility	0.75	Slope/erodibility	0.95	Slope	1.00
						Rock fragments	0.50
383:							
Toiyabe----------	55	Moderate		Severe		Poorly suited	
		Slope/erodibility	0.50	Slope/erodibility	0.95	Slope	1.00
						Sandiness	0.50
Lasco----------	30	Moderate		Severe		Poorly suited	
		Slope/erodibility	0.50	Slope/erodibility	0.95	Slope	1.00
Bonta, coarse sandy loam----------	8	Slight		Severe		Moderately suited	
				Slope/erodibility	0.95	Slope	0.50
Toiyabe----------	7	Moderate		Severe		Poorly suited	
		Slope/erodibility	0.50	Slope/erodibility	0.95	Rock fragments	1.00
						Slope	1.00
						Sandiness	0.50
391:							
Ulhalf----------	85	Severe		Severe		Poorly suited	
		Slope/erodibility	0.75	Slope/erodibility	0.95	Slope	1.00
Inville, very gravelly loam------	8	Slight		Slight		Well suited	
Southpac, very stony loam----------	7	Severe		Severe		Poorly suited	
		Slope/erodibility	0.75	Slope/erodibility	0.95	Slope	1.00
						Rock fragments	1.00
392:							
Ulhalf----------	90	Slight		Moderate		Moderately suited	
				Slope/erodibility	0.50	Slope	0.50
Deadwood, very GRAVELLY SANDY LOAM	5	Slight		Moderate		Moderately suited	
				Slope/erodibility	0.50	Slope	0.50
						Sandiness	0.50

TABLE 10.--FORESTLAND MANAGEMENT--Continued

Map symbol and soil name	Pct. of map unit	Hazard of off-road or off-trail erosion		Hazard of erosion on roads and trails		Suitability for roads (natural surface)	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
Penstock, very gravelly sandy loam	5	Slight		Moderate Slope/erodibility	0.50	Moderately suited Slope	0.50
393:							
Ulhalf	60	Slight		Slight		Poorly suited Rock fragments	1.00
Gavel	30	Slight		Slight		Moderately suited Slope	0.50
Southpac, very stony loam	10	Slight		Moderate Slope/erodibility	0.50	Poorly suited Rock fragments Slope	1.00 0.50
394:							
Ulhalf	60	Slight		Moderate Slope/erodibility	0.50	Moderately suited Slope	0.50
Southpac	30	Moderate Slope/erodibility	0.50	Moderate Slope/erodibility	0.50	Poorly suited Slope Rock fragments	1.00 1.00
Rock outcrop	10	Not rated		Not rated		Not rated	
398:							
Weste	35	Moderate Slope/erodibility	0.50	Moderate Slope/erodibility	0.50	Poorly suited Rock fragments Slope Sandiness	1.00 1.00 0.50
Baileycreek	30	Moderate Slope/erodibility	0.50	Moderate Slope/erodibility	0.50	Poorly suited Rock fragments Slope	1.00 1.00
Tahand	20	Moderate Slope/erodibility	0.50	Severe Slope/erodibility	0.95	Poorly suited Rock fragments Slope	1.00 1.00
Rubble land	8	Not rated		Not rated		Not rated	
Rock outcrop	7	Not rated		Not rated		Not rated	
399:							
Weste	65	Severe Slope/erodibility	0.75	Severe Slope/erodibility	0.95	Poorly suited Slope Sandiness	1.00 0.50
Rock outcrop	15	Not rated		Not rated		Not rated	
Swainow, stony sandy loam	10	Severe Slope/erodibility	0.75	Severe Slope/erodibility	0.95	Poorly suited Slope Rock fragments	1.00 0.50

TABLE 10.--FORESTLAND MANAGEMENT--Continued

Map symbol and soil name	Pct. of map unit	Hazard of off-road or off-trail erosion		Hazard of erosion on roads and trails		Suitability for roads (natural surface)	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
Woodwest, very stony sandy loam---------	10	Slight		Slight		Moderately suited Rock fragments	 0.50
400:							
Whitinger----------	45	Moderate Slope/erodibility	 0.50	Moderate Slope/erodibility	 0.50	Poorly suited Slope Rock fragments Strength	 1.00 0.50 0.50
Devada----------	35	Moderate Slope/erodibility	 0.50	Moderate Slope/erodibility	 0.50	Poorly suited Slope Rock fragments	 1.00 0.50
Rubble land---------	5	Not rated		Not rated		Not rated	
Rock outcrop--------	5	Not rated		Not rated		Not rated	
Jauriga, gravelly loam----------	5	Slight		Moderate Slope/erodibility	 0.50	Moderately suited Slope	 0.50
Buckbay, gravelly loam----------	5	Moderate Slope/erodibility	 0.50	Severe Slope/erodibility	 0.95	Poorly suited Slope	 1.00
401:							
Whorled----------	45	Moderate Slope/erodibility	 0.50	Severe Slope/erodibility	 0.95	Poorly suited Slope Sandiness	 1.00 0.50
Almanor----------	35	Moderate Slope/erodibility	 0.50	Moderate Slope/erodibility	 0.50	Poorly suited Slope	 1.00
Tahand----------	8	Moderate Slope/erodibility	 0.50	Severe Slope/erodibility	 0.95	Poorly suited Slope Rock fragments	 1.00 1.00
Whorled----------	7	Moderate Slope/erodibility	 0.50	Severe Slope/erodibility	 0.95	Poorly suited Slope Rock fragments Sandiness	 1.00 0.50 0.50
Rock outcrop--------	5	Not rated		Not rated		Not rated	

TABLE 11.--FORESTLAND MANAGEMENT

(The information in this table indicates the dominant soil condition but does not eliminate the need for onsite investigation. The numbers in the value columns range from 0.01 to 1.00. The larger the value, the greater the limitation. See text for further explanation of ratings in this table.)

Map symbol and soil name	Pct. of map unit	Suitability for hand planting		Suitability for mechanical planting		Suitability for use of harvesting equipment	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
101:							
Almanor	40	Moderately suited Rock fragments	0.50	Poorly suited Rock fragments Slope	0.75 0.50	Well suited	
Whorled	35	Moderately suited Sandiness	0.50	Moderately suited Rock fragments Sandiness Slope	0.50 0.50 0.50	Moderately suited Sandiness	0.50
Inville	20	Well suited		Moderately suited Rock fragments	0.50	Well suited	
Tahand	5	Poorly suited Rock fragments	0.75	Unsuited Rock fragments Slope	1.00 0.50	Poorly suited Rock fragments	1.00
111:							
Baileycreek	45	Well suited		Moderately suited Slope Rock fragments	0.50 0.50	Well suited	
Weste	35	Moderately suited Sandiness Rock fragments	0.50 0.50	Moderately suited Rock fragments Slope Sandiness	0.50 0.50 0.50	Moderately suited Sandiness	0.50
Inville	10	Moderately suited Rock fragments	0.50	Poorly suited Rock fragments Slope	0.75 0.50	Well suited	
Weste	5	Moderately suited Rock fragments Sandiness	0.50 0.50	Poorly suited Rock fragments Slope Sandiness	0.75 0.50 0.50	Moderately suited Rock fragments Sandiness	0.50 0.50
Baileycreek	5	Moderately suited Rock fragments	0.50	Poorly suited Rock fragments Slope	0.75 0.50	Moderately suited Rock fragments	0.50
112:							
Baileycreek	50	Poorly suited Rock fragments	0.75	Unsuited Rock fragments Slope	1.00 0.75	Poorly suited Rock fragments Slope	1.00 0.50
Weste	35	Poorly suited Rock fragments Sandiness	0.75 0.50	Unsuited Rock fragments Slope Sandiness	1.00 0.75 0.50	Poorly suited Rock fragments Sandiness Slope	1.00 0.50 0.50
Swainow	5	Well suited		Poorly suited Slope Rock fragments	0.75 0.50	Moderately suited Slope	0.50
Rock outcrop	5	Not rated		Not rated		Not rated	
Weste	3	Poorly suited Rock fragments Sandiness	0.75 0.50	Unsuited Rock fragments Slope Sandiness	1.00 0.75 0.50	Poorly suited Rock fragments Sandiness Slope	1.00 0.50 0.50

TABLE 11.--FORESTLAND MANAGEMENT--Continued

Map symbol and soil name	Pct. of map unit	Suitability for hand planting		Suitability for mechanical planting		Suitability for use of harvesting equipment	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
Baileycreek---------	2	Poorly suited		Unsuited		Poorly suited	
		Rock fragments	0.75	Rock fragments	1.00	Rock fragments	1.00
				Slope	0.75	Slope	0.50
113:							
Baileycreek---------	50	Poorly suited		Unsuited		Poorly suited	
		Rock fragments	0.75	Slope	1.00	Slope	1.00
		Slope	0.50	Rock fragments	1.00	Rock fragments	1.00
Weste---------------	35	Moderately suited		Unsuited		Poorly suited	
		Sandiness	0.50	Slope	1.00	Slope	1.00
		Slope	0.50	Rock fragments	0.50	Sandiness	0.50
				Sandiness	0.50		
Rubble land---------	5	Not rated		Not rated		Not rated	
Rock outcrop--------	5	Not rated		Not rated		Not rated	
Swainow-------------	5	Moderately suited		Unsuited		Poorly suited	
		Slope	0.50	Slope	1.00	Slope	1.00
				Rock fragments	0.50		
124:							
Bonta---------------	80	Well suited		Moderately suited		Well suited	
				Slope	0.50		
Janile--------------	10	Moderately suited		Poorly suited		Poorly suited	
		Rock fragments	0.50	Rock fragments	0.75	Rock fragments	1.00
		Sandiness	0.50	Slope	0.50	Sandiness	0.50
				Sandiness	0.50		
Lasco---------------	10	Well suited		Moderately suited		Well suited	
				Slope	0.50		
125:							
Bonta---------------	80	Well suited		Poorly suited		Moderately suited	
				Slope	0.75	Slope	0.50
Lasco---------------	10	Well suited		Poorly suited		Moderately suited	
				Slope	0.75	Slope	0.50
Rock outcrop--------	5	Not rated		Not rated		Not rated	
Bonta---------------	5	Moderately suited		Poorly suited		Poorly suited	
		Rock fragments	0.50	Slope	0.75	Rock fragments	1.00
				Rock fragments	0.75	Slope	0.50
126:							
Bonta---------------	75	Moderately suited		Unsuited		Poorly suited	
		Slope	0.50	Slope	1.00	Slope	1.00
				Rock fragments	0.50		
Bonta---------------	5	Moderately suited		Unsuited		Poorly suited	
		Rock fragments	0.50	Slope	1.00	Rock fragments	1.00
		Slope	0.50	Rock fragments	0.75	Slope	1.00
Lasco---------------	5	Moderately suited		Unsuited		Poorly suited	
		Slope	0.50	Slope	1.00	Slope	1.00
Waterman------------	5	Moderately suited		Unsuited		Poorly suited	
		Rock fragments	0.50	Slope	1.00	Slope	1.00
		Sandiness	0.50	Rock fragments	0.75	Rock fragments	1.00
		Slope	0.50	Sandiness	0.50		
Gerle---------------	5	Moderately suited		Unsuited		Poorly suited	
		Slope	0.50	Slope	1.00	Slope	1.00
				Rock fragments	0.50		

TABLE 11.--FORESTLAND MANAGEMENT--Continued

Map symbol and soil name	Pct. of map unit	Suitability for hand planting		Suitability for mechanical planting		Suitability for use of harvesting equipment	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
Chimney	5	Moderately suited Slope	 0.50	Unsuited Slope	 1.00	Poorly suited Slope	 1.00
133:							
Buckbay	35	Moderately suited Rock fragments	 0.50	Poorly suited Slope Rock fragments	 0.75 0.50	Moderately suited Slope	 0.50
Orhood	25	Poorly suited Rock fragments	 0.75	Unsuited Rock fragments Slope	 1.00 0.75	Moderately suited Rock fragments Slope	 0.50 0.50
Devada	20	Poorly suited Rock fragments Stickiness	 0.75 0.50	Unsuited Rock fragments Stickiness Slope	 1.00 0.50 0.50	Moderately suited Rock fragments	 0.50
Fredonyer	4	Poorly suited Rock fragments	 0.75	Unsuited Rock fragments Slope	 1.00 0.75	Moderately suited Rock fragments	 0.50
Longcreek	4	Poorly suited Rock fragments Stickiness	 0.75 0.50	Unsuited Rock fragments Slope Stickiness	 1.00 0.75 0.50	Moderately suited Rock fragments Slope	 0.50 0.50
Ninemile	4	Poorly suited Stickiness Rock fragments	 0.75 0.50	Poorly suited Stickiness Rock fragments Slope	 0.75 0.75 0.50	Moderately suited Strength Stickiness	 0.50 0.50
Petescreek	4	Moderately suited Rock fragments	 0.50	Poorly suited Slope Rock fragments	 0.75 0.75	Moderately suited Rock fragments	 0.50
Puls	4	Poorly suited Rock fragments Stickiness	 0.75 0.75	Unsuited Rock fragments Stickiness Slope	 1.00 0.75 0.50	Moderately suited Rock fragments Strength	 0.50 0.50
134:							
Buckbay	40	Moderately suited Rock fragments	 0.50	Poorly suited Slope Rock fragments	 0.75 0.50	Well suited	
Orhood	25	Poorly suited Rock fragments	 0.75	Unsuited Rock fragments Slope	 1.00 0.75	Moderately suited Rock fragments	 0.50
Fredonyer	20	Poorly suited Rock fragments	 0.75	Unsuited Rock fragments Slope	 1.00 0.75	Moderately suited Rock fragments	 0.50
Searles	8	Poorly suited Rock fragments	 0.75	Unsuited Rock fragments Slope	 1.00 0.75	Moderately suited Rock fragments Slope	 0.50 0.50
Jauriga	7	Well suited		Moderately suited Slope Rock fragments	 0.50 0.50	Well suited	
136:							
Bunanch	90	Moderately suited Stickiness	 0.50	Poorly suited Slope Rock fragments Stickiness	 0.75 0.50 0.50	Moderately suited Slope	 0.50

TABLE 11.--FORESTLAND MANAGEMENT--Continued

Map symbol and soil name	Pct. of map unit	Suitability for hand planting		Suitability for mechanical planting		Suitability for use of harvesting equipment	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
Ulhalf	5	Poorly suited		Unsuited		Poorly suited	
		Rock fragments	0.75	Rock fragments	1.00	Rock fragments	1.00
				Slope	0.75	Slope	0.50
Jauriga	4	Well suited		Moderately suited		Well suited	
				Slope	0.50		
				Rock fragments	0.50		
Keddie	1	Well suited		Well suited		Moderately suited	
						Strength	0.50
137:							
Cagwin	85	Moderately suited		Poorly suited		Moderately suited	
		Sandiness	0.50	Slope	0.75	Slope	0.50
				Sandiness	0.50		
Penstock	5	Moderately suited		Poorly suited		Moderately suited	
		Rock fragments	0.50	Slope	0.75	Rock fragments	0.50
				Rock fragments	0.75	Slope	0.50
Quartzburg	3	Moderately suited		Unsuited		Poorly suited	
		Rock fragments	0.50	Slope	1.00	Slope	1.00
		Sandiness	0.50	Rock fragments	0.75	Rock fragments	0.50
		Slope	0.50	Sandiness	0.50	Sandiness	0.50
Cagwin	3	Moderately suited		Poorly suited		Poorly suited	
		Rock fragments	0.50	Slope	0.75	Rock fragments	1.00
				Rock fragments	0.75	Slope	0.50
Lasco	2	Well suited		Poorly suited		Moderately suited	
				Slope	0.75	Slope	0.50
Cagwin	2	Moderately suited		Unsuited		Poorly suited	
		Sandiness	0.50	Slope	1.00	Slope	1.00
		Slope	0.50	Sandiness	0.50		
138:							
Cagwin	85	Moderately suited		Unsuited		Poorly suited	
		Sandiness	0.50	Slope	1.00	Slope	1.00
		Slope	0.50	Sandiness	0.50		
Cagwin family	3	Moderately suited		Unsuited		Poorly suited	
		Sandiness	0.50	Slope	1.00	Slope	1.00
		Slope	0.50	Sandiness	0.50		
Penstock family, very stony	5	Moderately suited		Unsuited		Poorly suited	
		Rock fragments	0.50	Slope	1.00	Slope	1.00
		Slope	0.50	Rock fragments	0.75	Rock fragments	0.50
Lasco	5	Moderately suited		Unsuited		Poorly suited	
		Slope	0.50	Slope	1.00	Slope	1.00
Cagwin	1	Moderately suited		Unsuited		Poorly suited	
		Sandiness	0.50	Slope	1.00	Slope	1.00
		Slope	0.50	Sandiness	0.50		
Quartzburg	1	Moderately suited		Unsuited		Poorly suited	
		Rock fragments	0.50	Slope	1.00	Slope	1.00
		Sandiness	0.50	Rock fragments	0.75	Rock fragments	0.50
		Slope	0.50	Sandiness	0.50	Sandiness	0.50
152:							
Chimney	90	Well suited		Moderately suited		Well suited	
				Slope	0.50		

TABLE 11.--FORESTLAND MANAGEMENT--Continued

Map symbol and soil name	Pct. of map unit	Suitability for hand planting		Suitability for mechanical planting		Suitability for use of harvesting equipment	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
Mottsville----------	6	Moderately suited Sandiness	 0.50	Moderately suited Sandiness Slope	 0.50 0.50	Moderately suited Sandiness	 0.50
Rock outcrop--------	4	Not rated		Not rated		Not rated	
153:							
Chimney------------	85	Well suited		Moderately suited Slope	 0.50	Well suited	
Bonta---------------	8	Well suited		Moderately suited Slope Rock fragments	 0.50 0.50	Well suited	
Mottsville----------	7	Moderately suited Sandiness	 0.50	Moderately suited Slope Sandiness	 0.50 0.50	Moderately suited Sandiness	 0.50
154:							
Chimney------------	35	Moderately suited Slope	 0.50	Unsuited Slope	 1.00	Poorly suited Slope	 1.00
Janile--------------	35	Moderately suited Rock fragments Sandiness Slope	 0.50 0.50 0.50	Unsuited Slope Rock fragments Sandiness	 1.00 0.75 0.50	Poorly suited Slope Rock fragments Sandiness	 1.00 1.00 0.50
Waterman------------	15	Moderately suited Rock fragments Sandiness	 0.50 0.50	Unsuited Slope Rock fragments Sandiness	 1.00 0.75 0.50	Poorly suited Rock fragments Slope	 1.00 0.50
Rock outcrop--------	5	Not rated		Not rated		Not rated	
Mottsville----------	5	Moderately suited Sandiness	 0.50	Poorly suited Slope Sandiness	 0.75 0.50	Moderately suited Sandiness Slope	 0.50 0.50
Bonta---------------	5	Moderately suited Slope	 0.50	Unsuited Slope Rock fragments	 1.00 0.50	Moderately suited Slope	 0.50
155:							
Chimney------------	40	Moderately suited Slope	 0.50	Unsuited Slope	 1.00	Poorly suited Slope	 1.00
Janile--------------	30	Moderately suited Rock fragments Slope Sandiness	 0.50 0.50 0.50	Unsuited Slope Rock fragments Sandiness	 1.00 0.75 0.50	Poorly suited Slope Rock fragments Sandiness	 1.00 1.00 0.50
Waterman------------	15	Moderately suited Rock fragments Slope Sandiness	 0.50 0.50 0.50	Unsuited Slope Rock fragments Sandiness	 1.00 0.75 0.50	Poorly suited Slope Rock fragments	 1.00 1.00
Chimney------------	8	Moderately suited Rock fragments Slope	 0.50 0.50	Unsuited Slope Rock fragments	 1.00 0.75	Poorly suited Rock fragments Slope	 1.00 1.00
Rock outcrop--------	7	Not rated		Not rated		Not rated	

TABLE 11.--FORESTLAND MANAGEMENT--Continued

Map symbol and soil name	Pct. of map unit	Suitability for hand planting		Suitability for mechanical planting		Suitability for use of harvesting equipment	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
156:							
Chimney	65	Well suited		Poorly suited		Moderately suited	
				Slope	0.75	Slope	0.50
Waterman	20	Moderately suited		Poorly suited		Poorly suited	
		Rock fragments	0.50	Rock fragments	0.75	Rock fragments	1.00
		Sandiness	0.50	Slope	0.50		
				Sandiness	0.50		
Mottsville	5	Moderately suited		Poorly suited		Moderately suited	
		Sandiness	0.50	Slope	0.75	Sandiness	0.50
				Sandiness	0.50	Slope	0.50
Massack	5	Well suited		Well suited		Moderately suited	
						Strength	0.50
Calpine	5	Well suited		Moderately suited		Well suited	
				Slope	0.50		
157:							
Chirpchatter	85	Well suited		Moderately suited		Well suited	
				Slope	0.50		
Ulhalf family	8	Poorly suited		Unsuited		Poorly suited	
		Rock fragments	0.75	Rock fragments	1.00	Rock fragments	1.00
				Slope	0.50		
Gavel family	7	Moderately suited		Poorly suited		Well suited	
		Rock fragments	0.50	Rock fragments	0.75		
				Slope	0.50		
172:							
Devada	60	Unsuited		Unsuited		Poorly suited	
		Rock fragments	1.00	Rock fragments	1.00	Rock fragments	1.00
		Stickiness	0.50	Slope	0.75	Sandiness	0.50
		Sandiness	0.50	Stickiness	0.50	Slope	0.50
				Sandiness	0.50		
Gavel	35	Moderately suited		Poorly suited		Moderately suited	
		Rock fragments	0.50	Slope	0.75	Rock fragments	0.50
				Rock fragments	0.75	Slope	0.50
Ulhalf	5	Well suited		Poorly suited		Moderately suited	
				Slope	0.75	Slope	0.50
				Rock fragments	0.50		
173:							
Devada	40	Poorly suited		Unsuited		Poorly suited	
		Rock fragments	0.75	Rock fragments	1.00	Rock fragments	1.00
		Stickiness	0.50	Stickiness	0.50		
				Slope	0.50		
Gavel	25	Moderately suited		Poorly suited		Moderately suited	
		Rock fragments	0.50	Slope	0.75	Rock fragments	0.50
				Rock fragments	0.75	Slope	0.50
Whitinger	15	Poorly suited		Unsuited		Moderately suited	
		Rock fragments	0.75	Rock fragments	1.00	Rock fragments	0.50
				Slope	0.75	Slope	0.50
Rubble land	4	Not rated		Not rated		Not rated	
Rock outcrop	4	Not rated		Not rated		Not rated	

TABLE 11.--FORESTLAND MANAGEMENT--Continued

Map symbol and soil name	Pct. of map unit	Suitability for hand planting		Suitability for mechanical planting		Suitability for use of harvesting equipment	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
Petescreek----------	4	Well suited		Poorly suited		Moderately suited	
				Slope	0.75	Slope	0.50
				Rock fragments	0.50		
Orhood----------	4	Poorly suited		Unsuited		Moderately suited	
		Rock fragments	0.75	Rock fragments	1.00	Rock fragments	0.50
				Slope	0.75	Slope	0.50
Bucklake----------	4	Poorly suited		Unsuited		Poorly suited	
		Rock fragments	0.75	Rock fragments	1.00	Rock fragments	1.00
		Stickiness	0.50	Slope	0.75	Slope	0.50
				Stickiness	0.50		
176:							
Devada----------	30	Poorly suited		Unsuited		Moderately suited	
		Rock fragments	0.75	Rock fragments	1.00	Rock fragments	0.50
		Stickiness	0.50	Stickiness	0.50		
				Slope	0.50		
Orhood----------	30	Poorly suited		Unsuited		Moderately suited	
		Rock fragments	0.75	Rock fragments	1.00	Rock fragments	0.50
				Slope	0.75		
Hart Camp----------	25	Moderately suited		Poorly suited		Moderately suited	
		Rock fragments	0.50	Slope	0.75	Strength	0.50
				Rock fragments	0.75	Slope	0.50
Jauriga----------	4	Well suited		Moderately suited		Well suited	
				Slope	0.50		
				Rock fragments	0.50		
Fiddler----------	4	Poorly suited		Unsuited		Poorly suited	
		Rock fragments	0.75	Rock fragments	1.00	Rock fragments	1.00
		Stickiness	0.50	Slope	0.75	Strength	0.50
				Stickiness	0.50	Slope	0.50
Searles----------	3	Poorly suited		Unsuited		Poorly suited	
		Rock fragments	0.75	Rock fragments	1.00	Rock fragments	1.00
				Slope	0.50		
Rock outcrop--------	2	Not rated		Not rated		Not rated	
Aquolls----------	1	Moderately suited		Poorly suited		Poorly suited	
		Wetness	0.50	Wetness	0.75	Wetness	1.00
				Rock fragments	0.50		
Rubble land---------	1	Not rated		Not rated		Not rated	
177:							
Devada----------	40	Poorly suited		Unsuited		Poorly suited	
		Rock fragments	0.75	Slope	1.00	Slope	1.00
		Stickiness	0.50	Rock fragments	1.00	Rock fragments	0.50
		Slope	0.50	Stickiness	0.50		
Papeek----------	30	Moderately suited		Unsuited		Poorly suited	
		Stickiness	0.50	Slope	1.00	Slope	1.00
		Slope	0.50	Stickiness	0.50		
				Rock fragments	0.50		
Gavel----------	20	Moderately suited		Unsuited		Poorly suited	
		Rock fragments	0.50	Slope	1.00	Slope	1.00
		Slope	0.50	Rock fragments	0.75	Rock fragments	0.50
Whitinger----------	5	Poorly suited		Unsuited		Poorly suited	
		Rock fragments	0.75	Slope	1.00	Slope	1.00
		Slope	0.50	Rock fragments	1.00	Rock fragments	0.50

TABLE 11.--FORESTLAND MANAGEMENT--Continued

Map symbol and soil name	Pct. of map unit	Suitability for hand planting		Suitability for mechanical planting		Suitability for use of harvesting equipment	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
Gavel	5	Moderately suited		Unsuited		Poorly suited	
		Rock fragments	0.50	Slope	1.00	Slope	1.00
		Slope	0.50	Rock fragments	0.75	Rock fragments	0.50
178:							
Devada	40	Poorly suited		Unsuited		Poorly suited	
		Rock fragments	0.75	Rock fragments	1.00	Rock fragments	1.00
		Stickiness	0.50	Stickiness	0.50		
				Slope	0.50		
Petescreek	25	Well suited		Poorly suited		Moderately suited	
				Slope	0.75	Slope	0.50
				Rock fragments	0.50		
Fiddler	20	Poorly suited		Unsuited		Poorly suited	
		Rock fragments	0.75	Rock fragments	1.00	Rock fragments	1.00
		Stickiness	0.50	Slope	0.75	Strength	0.50
				Stickiness	0.50		
Longcreek	3	Poorly suited		Unsuited		Poorly suited	
		Rock fragments	0.75	Rock fragments	1.00	Rock fragments	1.00
		Stickiness	0.50	Slope	0.75	Slope	0.50
				Stickiness	0.50		
Fredonyer	3	Poorly suited		Unsuited		Poorly suited	
		Rock fragments	0.75	Rock fragments	1.00	Rock fragments	1.00
				Slope	0.75	Slope	0.50
Bucklake	3	Poorly suited		Unsuited		Moderately suited	
		Rock fragments	0.75	Rock fragments	1.00	Rock fragments	0.50
		Stickiness	0.50	Stickiness	0.50		
				Slope	0.50		
Dune land	2	Not rated		Not rated		Not rated	
Tunnison	2	Poorly suited		Unsuited		Moderately suited	
		Rock fragments	0.75	Rock fragments	1.00	Rock fragments	0.50
		Stickiness	0.75	Slope	0.75	Strength	0.50
				Stickiness	0.75	Stickiness	0.50
						Slope	0.50
Madeline	2	Poorly suited		Unsuited		Poorly suited	
		Rock fragments	0.75	Rock fragments	1.00	Rock fragments	1.00
		Stickiness	0.50	Slope	0.75	Strength	0.50
				Stickiness	0.50	Slope	0.50
184:							
Eaglelake	85	Well suited		Moderately suited		Well suited	
				Rock fragments	0.50		
				Slope	0.50		
Outland	5	Moderately suited		Poorly suited		Moderately suited	
		Rock fragments	0.50	Rock fragments	0.75	Rock fragments	0.50
				Slope	0.50		
Rock outcrop	5	Not rated		Not rated		Not rated	
Eaglelake	5	Poorly suited		Unsuited		Poorly suited	
		Rock fragments	0.75	Rock fragments	1.00	Rock fragments	1.00
				Slope	0.50		
185:							
Eaglelake	50	Well suited		Poorly suited		Moderately suited	
				Slope	0.75	Slope	0.50
				Rock fragments	0.50		

TABLE 11.--FORESTLAND MANAGEMENT--Continued

Map symbol and soil name	Pct. of map unit	Suitability for hand planting		Suitability for mechanical planting		Suitability for use of harvesting equipment	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
Outland	25	Moderately suited		Poorly suited		Moderately suited	
		Rock fragments	0.50	Slope	0.75	Slope	0.50
				Rock fragments	0.75		
Weste	15	Poorly suited		Unsuited		Poorly suited	
		Rock fragments	0.75	Rock fragments	1.00	Rock fragments	1.00
		Sandiness	0.50	Slope	0.75	Sandiness	0.50
				Sandiness	0.50	Slope	0.50
Inville	5	Moderately suited		Poorly suited		Moderately suited	
		Rock fragments	0.50	Slope	0.75	Slope	0.50
				Rock fragments	0.75		
Outland	3	Poorly suited		Unsuited		Poorly suited	
		Rock fragments	0.75	Rock fragments	1.00	Rock fragments	1.00
				Slope	1.00	Slope	0.50
Rock outcrop	2	Not rated		Not rated		Not rated	
186:							
Eaglelake	45	Moderately suited		Unsuited		Poorly suited	
		Slope	0.50	Slope	1.00	Slope	1.00
				Rock fragments	0.50		
Outland	25	Moderately suited		Unsuited		Poorly suited	
		Slope	0.50	Slope	1.00	Slope	1.00
		Rock fragments	0.50	Rock fragments	0.75		
Weste	15	Poorly suited		Unsuited		Poorly suited	
		Rock fragments	0.75	Slope	1.00	Slope	1.00
		Sandiness	0.50	Rock fragments	1.00	Rock fragments	1.00
		Slope	0.50	Sandiness	0.50	Sandiness	0.50
Rubble land	5	Not rated		Not rated		Not rated	
Rock outcrop	5	Not rated		Not rated		Not rated	
Easte	5	Moderately suited		Unsuited		Poorly suited	
		Sandiness	0.50	Slope	1.00	Slope	1.00
		Slope	0.50	Sandiness	0.50	Sandiness	0.50
				Rock fragments	0.50		
187:							
Eaglelake	45	Well suited		Poorly suited		Moderately suited	
				Slope	0.75	Slope	0.50
				Rock fragments	0.50		
Outland	25	Moderately suited		Poorly suited		Moderately suited	
		Rock fragments	0.50	Slope	0.75	Rock fragments	0.50
				Rock fragments	0.75		
Weste	15	Poorly suited		Unsuited		Moderately suited	
		Rock fragments	0.75	Rock fragments	1.00	Rock fragments	0.50
		Sandiness	0.50	Slope	0.75	Sandiness	0.50
				Sandiness	0.50	Slope	0.50
Rubble land	5	Not rated		Not rated		Not rated	
Easte	4	Moderately suited		Poorly suited		Moderately suited	
		Sandiness	0.50	Slope	0.75	Sandiness	0.50
				Sandiness	0.50	Slope	0.50
				Rock fragments	0.50		
Outland	3	Moderately suited		Poorly suited		Moderately suited	
		Rock fragments	0.50	Slope	0.75	Rock fragments	0.50
				Rock fragments	0.75	Slope	0.50

TABLE 11.--FORESTLAND MANAGEMENT--Continued

Map symbol and soil name	Pct. of map unit	Suitability for hand planting		Suitability for mechanical planting		Suitability for use of harvesting equipment	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
Weste	3	Poorly suited		Unsuited		Poorly suited	
		Rock fragments	0.75	Rock fragments	1.00	Rock fragments	1.00
		Sandiness	0.50	Slope	0.75	Sandiness	0.50
				Sandiness	0.50	Slope	0.50
188:							
Eaglelake	45	Moderately suited		Unsuited		Poorly suited	
		Slope	0.50	Slope	1.00	Slope	1.00
				Rock fragments	0.50		
Outland	25	Moderately suited		Unsuited		Poorly suited	
		Rock fragments	0.50	Slope	1.00	Slope	1.00
		Slope	0.50	Rock fragments	0.75	Rock fragments	0.50
Weste	15	Poorly suited		Unsuited		Poorly suited	
		Rock fragments	0.75	Slope	1.00	Slope	1.00
		Sandiness	0.50	Rock fragments	1.00	Rock fragments	0.50
		Slope	0.50	Sandiness	0.50	Sandiness	0.50
Deadwood	8	Moderately suited		Unsuited		Poorly suited	
		Sandiness	0.50	Slope	1.00	Slope	1.00
		Slope	0.50	Rock fragments	0.50	Sandiness	0.50
				Sandiness	0.50		
Eaglelake	7	Moderately suited		Unsuited		Poorly suited	
		Rock fragments	0.50	Slope	1.00	Slope	1.00
		Slope	0.50	Rock fragments	0.75	Rock fragments	0.50
189:							
Easte	55	Moderately suited		Unsuited		Poorly suited	
		Slope	0.50	Slope	1.00	Slope	1.00
				Rock fragments	0.50		
Fredonyer	30	Poorly suited		Unsuited		Poorly suited	
		Rock fragments	0.75	Slope	1.00	Slope	1.00
		Slope	0.50	Rock fragments	1.00	Rock fragments	1.00
Petescreek	4	Moderately suited		Unsuited		Poorly suited	
		Slope	0.50	Slope	1.00	Slope	1.00
				Rock fragments	0.50		
Glean	3	Poorly suited		Unsuited		Poorly suited	
		Rock fragments	0.75	Slope	1.00	Slope	1.00
		Slope	0.50	Rock fragments	1.00	Rock fragments	1.00
Said	3	Moderately suited		Unsuited		Poorly suited	
		Slope	0.50	Slope	1.00	Slope	1.00
				Rock fragments	0.50		
Rubble land	2	Not rated		Not rated		Not rated	
Xerolls	2	Moderately suited		Unsuited		Poorly suited	
		Slope	0.50	Slope	1.00	Slope	1.00
Eaglelake family	1	Moderately suited		Unsuited		Poorly suited	
		Slope	0.50	Slope	1.00	Slope	1.00
				Rock fragments	0.50		
190:							
Easte	50	Moderately suited		Poorly suited		Moderately suited	
		Sandiness	0.50	Slope	0.75	Sandiness	0.50
				Sandiness	0.50		
				Rock fragments	0.50		
Roop	35	Poorly suited		Unsuited		Poorly suited	
		Rock fragments	0.75	Rock fragments	1.00	Rock fragments	1.00
				Slope	0.75		

TABLE 11.--FORESTLAND MANAGEMENT--Continued

Map symbol and soil name	Pct. of map unit	Suitability for hand planting		Suitability for mechanical planting		Suitability for use of harvesting equipment	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
Rock outcrop--------	4	Not rated		Not rated		Not rated	
Outland----------	4	Moderately suited		Poorly suited		Moderately suited	
		Rock fragments	0.50	Slope	0.75	Rock fragments	0.50
				Rock fragments	0.75	Slope	0.50
Rubble land---------	3	Not rated		Not rated		Not rated	
Roop----------	2	Poorly suited		Unsuited		Poorly suited	
		Rock fragments	0.75	Rock fragments	1.00	Rock fragments	1.00
				Slope	0.75	Slope	0.50
Easte----------	2	Poorly suited		Unsuited		Poorly suited	
		Rock fragments	0.75	Slope	1.00	Rock fragments	1.00
		Sandiness	0.50	Rock fragments	1.00	Slope	1.00
		Slope	0.50	Sandiness	0.50	Sandiness	0.50
191:							
Easte----------	50	Moderately suited		Unsuited		Poorly suited	
		Sandiness	0.50	Slope	1.00	Slope	1.00
		Slope	0.50	Sandiness	0.50	Sandiness	0.50
				Rock fragments	0.50		
Roop----------	40	Poorly suited		Unsuited		Poorly suited	
		Rock fragments	0.75	Slope	1.00	Slope	1.00
		Slope	0.50	Rock fragments	1.00	Rock fragments	1.00
Outland----------	5	Moderately suited		Unsuited		Poorly suited	
		Rock fragments	0.50	Slope	1.00	Slope	1.00
		Slope	0.50	Rock fragments	0.75	Rock fragments	0.50
Rock outcrop--------	3	Not rated		Not rated		Not rated	
Rubble land---------	2	Not rated		Not rated		Not rated	
194:							
Fiddler----------	35	Poorly suited		Unsuited		Moderately suited	
		Rock fragments	0.75	Rock fragments	1.00	Rock fragments	0.50
		Stickiness	0.50	Slope	0.75	Strength	0.50
				Stickiness	0.50		
Gavel----------	30	Moderately suited		Poorly suited		Well suited	
		Rock fragments	0.50	Slope	0.75		
				Rock fragments	0.75		
Rubble land---------	15	Not rated		Not rated		Not rated	
Devada----------	7	Poorly suited		Unsuited		Moderately suited	
		Rock fragments	0.75	Rock fragments	1.00	Rock fragments	0.50
		Stickiness	0.50	Slope	1.00	Slope	0.50
				Stickiness	0.50		
Orhood----------	6	Poorly suited		Unsuited		Moderately suited	
		Rock fragments	0.75	Rock fragments	1.00	Rock fragments	0.50
				Slope	0.75		
Rock outcrop--------	3	Not rated		Not rated		Not rated	
Whitinger----------	2	Poorly suited		Unsuited		Moderately suited	
		Rock fragments	0.75	Rock fragments	1.00	Rock fragments	0.50
				Slope	0.75		
Said----------	2	Well suited		Unsuited		Moderately suited	
				Slope	1.00	Slope	0.50
				Rock fragments	0.50		

TABLE 11.--FORESTLAND MANAGEMENT--Continued

Map symbol and soil name	Pct. of map unit	Suitability for hand planting		Suitability for mechanical planting		Suitability for use of harvesting equipment	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
195:							
Fiddler	40	Poorly suited		Unsuited		Poorly suited	
		Rock fragments	0.75	Slope	1.00	Slope	1.00
		Stickiness	0.50	Rock fragments	1.00	Rock fragments	0.50
		Slope	0.50	Stickiness	0.50	Strength	0.50
Gavel	25	Moderately suited		Unsuited		Poorly suited	
		Rock fragments	0.50	Slope	1.00	Slope	1.00
		Slope	0.50	Rock fragments	0.75		
Rubble land	15	Not rated		Not rated		Not rated	
Orhood	5	Poorly suited		Unsuited		Poorly suited	
		Rock fragments	0.75	Slope	1.00	Slope	1.00
		Slope	0.50	Rock fragments	1.00	Rock fragments	0.50
Devada	5	Poorly suited		Unsuited		Poorly suited	
		Rock fragments	0.75	Slope	1.00	Slope	1.00
		Stickiness	0.50	Rock fragments	1.00	Rock fragments	0.50
		Slope	0.50	Stickiness	0.50		
Rock outcrop	4	Not rated		Not rated		Not rated	
Whitinger	4	Poorly suited		Unsuited		Poorly suited	
		Rock fragments	0.75	Slope	1.00	Slope	1.00
		Slope	0.50	Rock fragments	1.00	Rock fragments	0.50
Said	2	Moderately suited		Unsuited		Poorly suited	
		Slope	0.50	Slope	1.00	Slope	1.00
				Rock fragments	0.50		
196:							
Fiddler	45	Poorly suited		Unsuited		Moderately suited	
		Rock fragments	0.75	Rock fragments	1.00	Rock fragments	0.50
		Stickiness	0.50	Slope	0.75	Strength	0.50
				Stickiness	0.50		
Madeline	35	Poorly suited		Unsuited		Poorly suited	
		Rock fragments	0.75	Rock fragments	1.00	Rock fragments	1.00
		Stickiness	0.50	Slope	0.75	Strength	0.50
				Stickiness	0.50		
Orhood	5	Poorly suited		Unsuited		Moderately suited	
		Rock fragments	0.75	Rock fragments	1.00	Rock fragments	0.50
				Slope	0.75		
Devada	5	Poorly suited		Unsuited		Poorly suited	
		Rock fragments	0.75	Rock fragments	1.00	Rock fragments	1.00
		Stickiness	0.50	Slope	0.75		
				Stickiness	0.50		
Rock outcrop	4	Not rated		Not rated		Not rated	
Fivesprings	3	Poorly suited		Unsuited		Poorly suited	
		Rock fragments	0.75	Rock fragments	1.00	Rock fragments	1.00
		Stickiness	0.50	Slope	0.50		
				Stickiness	0.50		
Petescreek	3	Well suited		Moderately suited		Well suited	
				Slope	0.50		
				Rock fragments	0.50		
197:							
Fiddler	30	Poorly suited		Unsuited		Moderately suited	
		Rock fragments	0.75	Rock fragments	1.00	Rock fragments	0.50
		Stickiness	0.50	Slope	0.75	Strength	0.50
				Stickiness	0.50	Slope	0.50

TABLE 11.--FORESTLAND MANAGEMENT--Continued

Map symbol and soil name	Pct. of map unit	Suitability for hand planting		Suitability for mechanical planting		Suitability for use of harvesting equipment	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
Orhood	30	Poorly suited Rock fragments	 0.75	Unsuited Rock fragments Slope	 1.00 0.50	Moderately suited Rock fragments	 0.50
Petescreek	25	Well suited		Poorly suited Slope Rock fragments	 0.75 0.50	Moderately suited Slope	 0.50
Home Camp	5	Moderately suited Rock fragments Stickiness	 0.50 0.50	Poorly suited Rock fragments Slope Stickiness	 0.75 0.50 0.50	Moderately suited Rock fragments	 0.50
Fredonyer	4	Poorly suited Rock fragments	 0.75	Unsuited Rock fragments Slope	 1.00 0.75	Poorly suited Rock fragments	 1.00
Buckbay	3	Moderately suited Rock fragments	 0.50	Poorly suited Slope Rock fragments	 0.75 0.50	Moderately suited Slope	 0.50
Badenaugh	3	Moderately suited Rock fragments	 0.50	Poorly suited Rock fragments Slope	 0.75 0.50	Moderately suited Rock fragments	 0.50
207:							
Forgay	85	Moderately suited Sandiness Rock fragments	 0.50 0.50	Moderately suited Rock fragments Sandiness	 0.50 0.50	Moderately suited Sandiness	 0.50
Mountmed, clay loam-	8	Moderately suited Stickiness	 0.50	Moderately suited Stickiness	 0.50	Moderately suited Strength	 0.50
Urban land	7	Not rated		Not rated		Not rated	
208:							
Forgay	80	Moderately suited Sandiness Rock fragments	 0.50 0.50	Moderately suited Rock fragments Sandiness	 0.50 0.50	Moderately suited Sandiness	 0.50
Urban land	5	Not rated		Not rated		Not rated	
Forgay	5	Moderately suited Sandiness Rock fragments	 0.50 0.50	Poorly suited Rock fragments Sandiness	 0.75 0.50	Moderately suited Rock fragments Sandiness	 0.50 0.50
Riverwash, extremely gravelly coarse sand	5	Not rated		Not rated		Not rated	
Fluvents	5	Well suited		Well suited		Moderately suited Strength	 0.50
211:							
Fraval	40	Well suited		Poorly suited Slope Rock fragments	 0.75 0.50	Moderately suited Slope	 0.50
Fredonyer	25	Poorly suited Rock fragments	 0.75	Unsuited Rock fragments Slope	 1.00 0.75	Moderately suited Rock fragments Slope	 0.50 0.50
Said	20	Well suited		Poorly suited Slope Rock fragments	 0.75 0.50	Moderately suited Slope	 0.50

TABLE 11.--FORESTLAND MANAGEMENT--Continued

Map symbol and soil name	Pct. of map unit	Suitability for hand planting		Suitability for mechanical planting		Suitability for use of harvesting equipment	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
Keddie, loam--------	3	Well suited		Well suited		Moderately suited	
						Strength	0.50
Rubble land---------	2	Not rated		Not rated		Not rated	
Rock outcrop--------	2	Not rated		Not rated		Not rated	
Searles, very stony loam----------	2	Poorly suited		Unsuited		Poorly suited	
		Rock fragments	0.75	Rock fragments	1.00	Rock fragments	1.00
				Slope	0.75	Slope	0.50
Petescreek, gravelly loam----------	2	Moderately suited		Poorly suited		Moderately suited	
		Rock fragments	0.50	Slope	0.75	Rock fragments	0.50
				Rock fragments	0.75	Slope	0.50
Ninemile, very stony loam----------	2	Poorly suited		Unsuited		Poorly suited	
		Rock fragments	0.75	Rock fragments	1.00	Rock fragments	1.00
		Stickiness	0.75	Stickiness	0.75	Strength	0.50
				Slope	0.50	Stickiness	0.50
Orhood, very stony sandy loam---------	2	Poorly suited		Unsuited		Moderately suited	
		Rock fragments	0.75	Rock fragments	1.00	Rock fragments	0.50
				Slope	0.75	Slope	0.50
212:							
Fraval----------	60	Well suited		Poorly suited		Well suited	
				Slope	0.75		
				Rock fragments	0.50		
Said----------	30	Well suited		Poorly suited		Well suited	
				Slope	0.75		
				Rock fragments	0.50		
Rock outcrop--------	5	Not rated		Not rated		Not rated	
Fredonyer, very stony loam---------	3	Moderately suited		Poorly suited		Moderately suited	
		Rock fragments	0.50	Rock fragments	0.75	Rock fragments	0.50
				Slope	0.75		
Ninemile, very stony loam----------	2	Poorly suited		Unsuited		Poorly suited	
		Rock fragments	0.75	Rock fragments	1.00	Rock fragments	1.00
		Stickiness	0.75	Stickiness	0.75	Strength	0.50
				Slope	0.50	Stickiness	0.50
213:							
Fredonyer----------	45	Moderately suited		Unsuited		Poorly suited	
		Rock fragments	0.50	Slope	1.00	Slope	1.00
		Slope	0.50	Rock fragments	0.75	Rock fragments	0.50
Whitinger----------	25	Poorly suited		Unsuited		Poorly suited	
		Rock fragments	0.75	Slope	1.00	Slope	1.00
		Slope	0.50	Rock fragments	1.00	Rock fragments	0.50
Orhood----------	15	Poorly suited		Unsuited		Poorly suited	
		Rock fragments	0.75	Slope	1.00	Slope	1.00
		Slope	0.50	Rock fragments	1.00	Rock fragments	0.50
Badenaugh, STONY SANDY LOAM---------	3	Moderately suited		Unsuited		Poorly suited	
		Rock fragments	0.50	Slope	1.00	Slope	1.00
		Slope	0.50	Rock fragments	0.75	Rock fragments	0.50

TABLE 11.--FORESTLAND MANAGEMENT--Continued

Map symbol and soil name	Pct. of map unit	Suitability for hand planting		Suitability for mechanical planting		Suitability for use of harvesting equipment	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
Rubble land---------	2	Not rated		Not rated		Not rated	
Rock outcrop--------	2	Not rated		Not rated		Not rated	
Searles, very stony loam----------	2	Poorly suited		Unsuited		Poorly suited	
		Rock fragments	0.75	Slope	1.00	Slope	1.00
		Slope	0.50	Rock fragments	1.00	Rock fragments	1.00
Petescreek, very gravelly loam------	2	Well suited		Poorly suited		Moderately suited	
				Slope	0.75	Slope	0.50
				Rock fragments	0.50		
Hapgood, stony loam-	2	Moderately suited		Poorly suited		Moderately suited	
		Rock fragments	0.50	Slope	0.75	Rock fragments	0.50
				Rock fragments	0.75	Slope	0.50
Fiddler, very stony loam----------	2	Poorly suited		Unsuited		Poorly suited	
		Rock fragments	0.75	Slope	1.00	Slope	1.00
		Stickiness	0.50	Rock fragments	1.00	Rock fragments	0.50
		Slope	0.50	Stickiness	0.50	Strength	0.50
218:							
Gavel----------	85	Moderately suited		Poorly suited		Moderately suited	
		Rock fragments	0.50	Slope	0.75	Rock fragments	0.50
				Rock fragments	0.75		
Devada, very cobbly loam----------	8	Poorly suited		Unsuited		Moderately suited	
		Rock fragments	0.75	Rock fragments	1.00	Rock fragments	0.50
		Stickiness	0.50	Slope	0.75	Slope	0.50
				Stickiness	0.50		
Searles, very stony loam----------	7	Poorly suited		Unsuited		Poorly suited	
		Rock fragments	0.75	Rock fragments	1.00	Rock fragments	1.00
				Slope	0.75	Slope	0.50
219:							
Gavel----------	55	Poorly suited		Unsuited		Poorly suited	
		Rock fragments	0.75	Slope	1.00	Slope	1.00
		Slope	0.50	Rock fragments	1.00	Rock fragments	1.00
Devada----------	35	Poorly suited		Unsuited		Poorly suited	
		Rock fragments	0.75	Slope	1.00	Slope	1.00
		Stickiness	0.50	Rock fragments	1.00	Rock fragments	0.50
		Slope	0.50	Stickiness	0.50		
Devada, very cobbly loam----------	10	Poorly suited		Unsuited		Poorly suited	
		Rock fragments	0.75	Slope	1.00	Slope	1.00
		Stickiness	0.50	Rock fragments	1.00	Rock fragments	0.50
		Slope	0.50	Stickiness	0.50		
223:							
Gerle----------	90	Well suited		Moderately suited		Well suited	
				Rock fragments	0.50		
Gerle, gravelly sandy loam---------	5	Well suited		Moderately suited		Well suited	
				Rock fragments	0.50		
Gerle----------	5	Moderately suited		Poorly suited		Moderately suited	
		Rock fragments	0.50	Rock fragments	0.75	Rock fragments	0.50

TABLE 11.--FORESTLAND MANAGEMENT--Continued

Map symbol and soil name	Pct. of map unit	Suitability for hand planting		Suitability for mechanical planting		Suitability for use of harvesting equipment	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
224:							
Gerle	85	Moderately suited		Unsuited		Poorly suited	
		Slope	0.50	Slope	1.00	Slope	1.00
				Rock fragments	0.50		
Gerle	5	Moderately suited		Unsuited		Poorly suited	
		Rock fragments	0.50	Slope	1.00	Rock fragments	1.00
		Slope	0.50	Rock fragments	0.75	Slope	1.00
Rock outcrop	5	Not rated		Not rated		Not rated	
Mottsville, gravelly loamy coarse sand	5	Moderately suited		Unsuited		Poorly suited	
		Sandiness	0.50	Slope	1.00	Slope	1.00
		Slope	0.50	Sandiness	0.50	Sandiness	0.50
225:							
Gerle	50	Poorly suited		Unsuited		Poorly suited	
		Rock fragments	0.75	Slope	1.00	Slope	1.00
		Slope	0.50	Rock fragments	1.00	Rock fragments	1.00
Gerle	25	Moderately suited		Unsuited		Poorly suited	
		Slope	0.50	Slope	1.00	Slope	1.00
				Rock fragments	0.50		
Gerle	15	Moderately suited		Unsuited		Poorly suited	
		Slope	0.50	Slope	1.00	Slope	1.00
				Rock fragments	0.50		
Rock outcrop	10	Not rated		Not rated		Not rated	
232:							
Hangtown	75	Poorly suited		Unsuited		Poorly suited	
		Rock fragments	0.75	Slope	1.00	Slope	1.00
		Sandiness	0.50	Rock fragments	1.00	Rock fragments	0.50
		Slope	0.50	Sandiness	0.50		
Hangtown	5	Unsuited		Unsuited		Poorly suited	
		Rock fragments	1.00	Slope	1.00	Rock fragments	1.00
		Sandiness	0.50	Rock fragments	1.00	Slope	1.00
		Slope	0.50	Sandiness	0.50		
Rock outcrop	5	Not rated		Not rated		Not rated	
Penstock	5	Moderately suited		Unsuited		Poorly suited	
		Rock fragments	0.50	Slope	1.00	Slope	1.00
		Slope	0.50	Rock fragments	0.75	Rock fragments	0.50
Scaribou, stony loam	5	Moderately suited		Unsuited		Poorly suited	
		Rock fragments	0.50	Slope	1.00	Slope	1.00
		Slope	0.50	Rock fragments	0.75	Rock fragments	0.50
Deadwood, VERY gravelly sandy loam	5	Moderately suited		Unsuited		Poorly suited	
		Sandiness	0.50	Slope	1.00	Slope	1.00
		Slope	0.50	Rock fragments	0.50	Sandiness	0.50
				Sandiness	0.50		
256:							
Indiano	45	Moderately suited		Unsuited		Poorly suited	
		Rock fragments	0.50	Slope	1.00	Slope	1.00
		Slope	0.50	Rock fragments	0.75	Rock fragments	0.50
		Stickiness	0.50	Stickiness	0.50		
Zephan	30	Moderately suited		Unsuited		Poorly suited	
		Rock fragments	0.50	Slope	1.00	Slope	1.00
		Stickiness	0.50	Rock fragments	0.75	Rock fragments	0.50
		Slope	0.50	Stickiness	0.50		

TABLE 11.--FORESTLAND MANAGEMENT--Continued

Map symbol and soil name	Pct. of map unit	Suitability for hand planting		Suitability for mechanical planting		Suitability for use of harvesting equipment	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
Duco	15	Moderately suited		Unsuited		Poorly suited	
		Rock fragments	0.50	Slope	1.00	Slope	1.00
		Slope	0.50	Rock fragments	0.75	Rock fragments	0.50
Barnard, stony sandy loam	2	Poorly suited		Poorly suited		Moderately suited	
		Stickiness	0.75	Rock fragments	0.75	Rock fragments	0.50
		Rock fragments	0.50	Stickiness	0.75		
				Slope	0.50		
Graufels, bouldery sand	2	Moderately suited		Unsuited		Poorly suited	
		Rock fragments	0.50	Slope	1.00	Slope	1.00
		Sandiness	0.50	Rock fragments	0.75	Rock fragments	1.00
		Slope	0.50	Sandiness	0.50	Sandiness	0.50
Glenbrook	2	Moderately suited		Unsuited		Poorly suited	
		Sandiness	0.50	Slope	1.00	Slope	1.00
		Slope	0.50	Sandiness	0.50	Sandiness	0.50
		Restrictive layer	0.50				
Glean, very stony loam	2	Poorly suited		Unsuited		Poorly suited	
		Rock fragments	0.75	Slope	1.00	Slope	1.00
		Slope	0.50	Rock fragments	1.00	Rock fragments	1.00
Corral, very cobbly loam	2	Poorly suited		Unsuited		Poorly suited	
		Rock fragments	0.75	Slope	1.00	Slope	1.00
		Slope	0.50	Rock fragments	1.00	Rock fragments	0.50
		Restrictive layer	0.50				
257:							
Inville	85	Moderately suited		Poorly suited		Well suited	
		Rock fragments	0.50	Rock fragments	0.75		
Mountmed, clay loam	8	Moderately suited		Moderately suited		Moderately suited	
		Stickiness	0.50	Stickiness	0.50	Strength	0.50
Swainow, very gravelly sandy loam	7	Well suited		Moderately suited		Well suited	
				Rock fragments	0.50		
				Slope	0.50		
259:							
Jauriga	40	Well suited		Moderately suited		Well suited	
				Slope	0.50		
				Rock fragments	0.50		
Buckbay	25	Well suited		Moderately suited		Well suited	
				Rock fragments	0.50		
				Slope	0.50		
Fredonyer	20	Poorly suited		Unsuited		Poorly suited	
		Rock fragments	0.75	Rock fragments	1.00	Rock fragments	1.00
				Slope	0.75	Slope	0.50
Rubble land	5	Not rated		Not rated		Not rated	
Rock outcrop	5	Not rated		Not rated		Not rated	
Petescreek, gravelly loam	5	Moderately suited		Poorly suited		Moderately suited	
		Rock fragments	0.50	Slope	0.75	Rock fragments	0.50
				Rock fragments	0.75		

TABLE 11.--FORESTLAND MANAGEMENT--Continued

Map symbol and soil name	Pct. of map unit	Suitability for hand planting		Suitability for mechanical planting		Suitability for use of harvesting equipment	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
266:							
Lasco	90	Well suited		Moderately suited		Well suited	
				Slope	0.50		
Lasco	5	Moderately suited		Poorly suited		Moderately suited	
		Rock fragments	0.50	Rock fragments	0.75	Rock fragments	0.50
				Slope	0.50		
Scaribou, very gravelly loam	5	Well suited		Moderately suited		Well suited	
				Rock fragments	0.50		
				Slope	0.50		
267:							
Lasco	95	Moderately suited		Unsuited		Poorly suited	
		Slope	0.50	Slope	1.00	Slope	1.00
Bonta, gravelly sandy loam	5	Moderately suited		Unsuited		Poorly suited	
		Slope	0.50	Slope	1.00	Slope	1.00
				Rock fragments	0.50		
268:							
Lasco	90	Well suited		Poorly suited		Moderately suited	
				Slope	0.75	Slope	0.50
Waterman	5	Moderately suited		Poorly suited		Poorly suited	
		Rock fragments	0.50	Slope	0.75	Rock fragments	1.00
		Sandiness	0.50	Rock fragments	0.75	Slope	0.50
				Sandiness	0.50		
Dotta, gravelly loam	5	Well suited		Moderately suited		Well suited	
				Slope	0.50		
				Rock fragments	0.50		
269:							
Lasco	65	Well suited		Poorly suited		Moderately suited	
				Slope	0.75	Slope	0.50
Bonta	25	Well suited		Poorly suited		Moderately suited	
				Slope	0.75	Slope	0.50
Chirpchatter, sandy loam	4	Well suited		Moderately suited		Well suited	
				Slope	0.50		
Chimney, gravelly loamy coarse sand	3	Well suited		Poorly suited		Moderately suited	
				Slope	0.75	Slope	0.50
Cagwin	3	Moderately suited		Poorly suited		Moderately suited	
		Sandiness	0.50	Slope	0.75	Slope	0.50
				Sandiness	0.50		
298:							
Ninemile	30	Poorly suited		Unsuited		Poorly suited	
		Rock fragments	0.75	Rock fragments	1.00	Rock fragments	1.00
		Stickiness	0.75	Stickiness	0.75	Strength	0.50
						Stickiness	0.50
Petescreek	30	Well suited		Moderately suited		Well suited	
				Rock fragments	0.50		
				Slope	0.50		

TABLE 11.--FORESTLAND MANAGEMENT--Continued

Map symbol and soil name	Pct. of map unit	Suitability for hand planting		Suitability for mechanical planting		Suitability for use of harvesting equipment	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
Fiddler	25	Poorly suited		Unsuited		Moderately suited	
		Rock fragments	0.75	Rock fragments	1.00	Rock fragments	0.50
		Stickiness	0.50	Slope	0.75	Strength	0.50
				Stickiness	0.50	Slope	0.50
Rock outcrop	5	Not rated		Not rated		Not rated	
Fredonyer, very stony loam	5	Moderately suited		Poorly suited		Moderately suited	
		Rock fragments	0.50	Rock fragments	0.75	Rock fragments	0.50
				Slope	0.75	Slope	0.50
Devada, very stony loam	5	Poorly suited		Unsuited		Poorly suited	
		Rock fragments	0.75	Rock fragments	1.00	Rock fragments	1.00
		Stickiness	0.50	Slope	0.75		
				Stickiness	0.50		
299:							
Ninemile	50	Poorly suited		Unsuited		Moderately suited	
		Rock fragments	0.75	Rock fragments	1.00	Rock fragments	0.50
		Stickiness	0.75	Stickiness	0.75	Strength	0.50
						Stickiness	0.50
Weste	35	Moderately suited		Moderately suited		Moderately suited	
		Sandiness	0.50	Sandiness	0.50	Sandiness	0.50
				Rock fragments	0.50		
				Slope	0.50		
Mountmed, clay loam-	8	Moderately suited		Moderately suited		Moderately suited	
		Stickiness	0.50	Stickiness	0.50	Strength	0.50
Rock outcrop	7	Not rated		Not rated		Not rated	
302:							
Orhood	80	Poorly suited		Unsuited		Moderately suited	
		Rock fragments	0.75	Rock fragments	1.00	Rock fragments	0.50
				Slope	0.50		
Incy, fine sand	8	Moderately suited		Moderately suited		Moderately suited	
		Sandiness	0.50	Slope	0.50	Sandiness	0.50
				Sandiness	0.50		
Searles, very stony loam	6	Poorly suited		Unsuited		Poorly suited	
		Rock fragments	0.75	Rock fragments	1.00	Rock fragments	1.00
				Slope	0.50		
Puls, very stony loam	6	Poorly suited		Unsuited		Poorly suited	
		Rock fragments	0.75	Rock fragments	1.00	Rock fragments	1.00
		Stickiness	0.75	Stickiness	0.75	Strength	0.50
				Slope	0.50		
304:							
Outland	75	Poorly suited		Unsuited		Poorly suited	
		Rock fragments	0.75	Slope	1.00	Slope	1.00
		Slope	0.50	Rock fragments	1.00	Rock fragments	1.00
Rock outcrop	10	Not rated		Not rated		Not rated	
Rubble land	10	Not rated		Not rated		Not rated	
Eaglelake, very gravelly loam	5	Moderately suited		Unsuited		Poorly suited	
		Slope	0.50	Slope	1.00	Slope	1.00
				Rock fragments	0.50		

TABLE 11.--FORESTLAND MANAGEMENT--Continued

Map symbol and soil name	Pct. of map unit	Suitability for hand planting		Suitability for mechanical planting		Suitability for use of harvesting equipment	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
305:							
Outland	60	Well suited		Moderately suited		Well suited	
				Slope	0.50		
				Rock fragments	0.50		
Outland	30	Poorly suited		Unsuited		Poorly suited	
		Rock fragments	0.75	Rock fragments	1.00	Rock fragments	1.00
				Slope	0.75	Slope	0.50
Eaglelake, very gravelly loam	5	Well suited		Poorly suited		Moderately suited	
				Slope	0.75	Slope	0.50
				Rock fragments	0.50		
Rock outcrop	5	Not rated		Not rated		Not rated	
306:							
Outland	60	Moderately suited		Poorly suited		Moderately suited	
		Rock fragments	0.50	Slope	0.75	Rock fragments	0.50
				Rock fragments	0.75	Slope	0.50
Penstock	25	Well suited		Poorly suited		Moderately suited	
				Slope	0.75	Slope	0.50
				Rock fragments	0.50		
Deadwood, very gravelly sandy loam	8	Moderately suited		Poorly suited		Moderately suited	
		Sandiness	0.50	Slope	0.75	Sandiness	0.50
				Rock fragments	0.50	Slope	0.50
				Sandiness	0.50		
Easte, very gravelly sandy loam	7	Moderately suited		Poorly suited		Moderately suited	
		Sandiness	0.50	Slope	0.75	Sandiness	0.50
				Sandiness	0.50	Slope	0.50
				Rock fragments	0.50		
307:							
Outland	60	Moderately suited		Unsuited		Poorly suited	
		Rock fragments	0.50	Slope	1.00	Slope	1.00
		Slope	0.50	Rock fragments	0.75	Rock fragments	0.50
Penstock	25	Moderately suited		Unsuited		Poorly suited	
		Slope	0.50	Slope	1.00	Slope	1.00
				Rock fragments	0.50		
Fiddler, very stony loam	8	Moderately suited		Unsuited		Poorly suited	
		Slope	0.50	Slope	1.00	Slope	1.00
Easte, deep to bedrock	7	Moderately suited		Unsuited		Poorly suited	
		Slope	0.50	Slope	1.00	Slope	1.00
308:							
Papeek	85	Moderately suited		Poorly suited		Moderately suited	
		Stickiness	0.50	Slope	0.75	Strength	0.50
				Stickiness	0.50	Slope	0.50
Ulhalf, very gravelly sandy loam	8	Poorly suited		Unsuited		Poorly suited	
		Rock fragments	0.75	Rock fragments	1.00	Rock fragments	1.00
				Slope	0.75		
Papeek, clay loam	7	Moderately suited		Poorly suited		Moderately suited	
		Stickiness	0.50	Slope	0.75	Strength	0.50
				Stickiness	0.50	Slope	0.50

TABLE 11.--FORESTLAND MANAGEMENT--Continued

Map symbol and soil name	Pct. of map unit	Suitability for hand planting		Suitability for mechanical planting		Suitability for use of harvesting equipment	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
309:							
Papeek	95	Moderately suited		Unsuited		Poorly suited	
		Stickiness	0.50	Slope	1.00	Slope	1.00
		Slope	0.50	Stickiness	0.50	Strength	0.50
Deadwood, very gravelly sandy loam	5	Moderately suited		Unsuited		Poorly suited	
		Sandiness	0.50	Slope	1.00	Slope	1.00
		Slope	0.50	Rock fragments	0.50	Sandiness	0.50
				Sandiness	0.50		
310:							
Penstock	65	Well suited		Poorly suited		Moderately suited	
				Slope	0.75	Slope	0.50
				Rock fragments	0.50		
Deadwood	25	Moderately suited		Poorly suited		Moderately suited	
		Sandiness	0.50	Slope	0.75	Sandiness	0.50
				Rock fragments	0.50	Slope	0.50
				Sandiness	0.50		
Rock outcrop	5	Not rated		Not rated		Not rated	
Scaribou, very gravelly loam	5	Well suited		Poorly suited		Well suited	
				Slope	0.75		
				Rock fragments	0.50		
311:							
Penstock	50	Moderately suited		Unsuited		Poorly suited	
		Slope	0.50	Slope	1.00	Slope	1.00
				Rock fragments	0.50		
Deadwood	20	Moderately suited		Unsuited		Poorly suited	
		Sandiness	0.50	Slope	1.00	Slope	1.00
		Slope	0.50	Rock fragments	0.50	Sandiness	0.50
				Sandiness	0.50		
Rock outcrop	15	Not rated		Not rated		Not rated	
Weste, very gravelly sandy loam	8	Moderately suited		Unsuited		Poorly suited	
		Sandiness	0.50	Slope	1.00	Slope	1.00
		Slope	0.50	Sandiness	0.50	Sandiness	0.50
				Rock fragments	0.50		
Tahand	7	Poorly suited		Unsuited		Poorly suited	
		Rock fragments	0.75	Slope	1.00	Slope	1.00
		Slope	0.50	Rock fragments	1.00	Rock fragments	1.00
312:							
Penstock	50	Moderately suited		Poorly suited		Moderately suited	
		Rock fragments	0.50	Slope	0.75	Rock fragments	0.50
				Rock fragments	0.75		
Scaribou, stony loam	40	Moderately suited		Poorly suited		Moderately suited	
		Rock fragments	0.50	Rock fragments	0.75	Rock fragments	0.50
				Slope	0.75		
Inville, very gravelly loam	5	Well suited		Moderately suited		Well suited	
				Rock fragments	0.50		
Aquolls, gravelly sandy loam	5	Moderately suited		Poorly suited		Poorly suited	
		Wetness	0.50	Wetness	0.75	Wetness	1.00
				Rock fragments	0.50		

TABLE 11.--FORESTLAND MANAGEMENT--Continued

Map symbol and soil name	Pct. of map unit	Suitability for hand planting		Suitability for mechanical planting		Suitability for use of harvesting equipment	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
313:							
Penstock	45	Moderately suited		Unsuited		Poorly suited	
		Rock fragments	0.50	Slope	1.00	Slope	1.00
		Slope	0.50	Rock fragments	0.75	Rock fragments	0.50
Scaribou, stony loam	40	Moderately suited		Unsuited		Poorly suited	
		Rock fragments	0.50	Slope	1.00	Slope	1.00
		Slope	0.50	Rock fragments	0.75	Rock fragments	0.50
Deadwood, very gravelly sandy loam	8	Moderately suited		Unsuited		Poorly suited	
		Sandiness	0.50	Slope	1.00	Slope	1.00
		Slope	0.50	Rock fragments	0.50	Sandiness	0.50
				Sandiness	0.50		
Rock outcrop	7	Not rated		Not rated		Not rated	
321:							
Petescreek	35	Moderately suited		Poorly suited		Moderately suited	
		Rock fragments	0.50	Slope	0.75	Rock fragments	0.50
				Rock fragments	0.75	Slope	0.50
Orhood	25	Poorly suited		Unsuited		Moderately suited	
		Rock fragments	0.75	Rock fragments	1.00	Rock fragments	0.50
				Slope	0.75	Slope	0.50
Fredonyer	20	Poorly suited		Unsuited		Poorly suited	
		Rock fragments	0.75	Rock fragments	1.00	Rock fragments	1.00
				Slope	0.75	Slope	0.50
Searles, very cobbly loam	4	Poorly suited		Unsuited		Moderately suited	
		Rock fragments	0.75	Rock fragments	1.00	Rock fragments	0.50
				Slope	0.75	Slope	0.50
Easte, very gravelly sandy loam	4	Moderately suited		Poorly suited		Moderately suited	
		Sandiness	0.50	Slope	0.75	Sandiness	0.50
				Sandiness	0.50	Slope	0.50
				Rock fragments	0.50		
Indiano, stony fine sandy loam	4	Moderately suited		Poorly suited		Moderately suited	
		Rock fragments	0.50	Slope	0.75	Rock fragments	0.50
		Stickiness	0.50	Rock fragments	0.75		
				Stickiness	0.50		
Glean, very stony loam	4	Poorly suited		Unsuited		Poorly suited	
		Rock fragments	0.75	Rock fragments	1.00	Rock fragments	1.00
				Slope	0.75		
Alomax, very stony sandy loam	4	Poorly suited		Unsuited		Poorly suited	
		Rock fragments	0.75	Rock fragments	1.00	Rock fragments	1.00
				Slope	0.75	Slope	0.50
323:							
Petescreek	45	Well suited		Poorly suited		Moderately suited	
				Slope	0.75	Slope	0.50
				Rock fragments	0.50		
Searles	25	Poorly suited		Unsuited		Moderately suited	
		Rock fragments	0.75	Rock fragments	1.00	Rock fragments	0.50
				Slope	0.75	Slope	0.50

TABLE 11.--FORESTLAND MANAGEMENT--Continued

Map symbol and soil name	Pct. of map unit	Suitability for hand planting		Suitability for mechanical planting		Suitability for use of harvesting equipment	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
Orhood	20	Poorly suited Rock fragments	 0.75	Unsuited Rock fragments Slope	 1.00 0.75	Moderately suited Rock fragments Slope	 0.50 0.50
Fredonyer, very stony loam	10	Poorly suited Rock fragments	 0.75	Unsuited Rock fragments Slope	 1.00 0.75	Poorly suited Rock fragments Slope	 1.00 0.50
332:							
Quartzburg	60	Moderately suited Rock fragments Slope Sandiness	 0.50 0.50 0.50	Unsuited Slope Rock fragments Sandiness	 1.00 0.75 0.50	Poorly suited Slope Rock fragments Sandiness	 1.00 0.50 0.50
Scaribou	30	Moderately suited Slope	 0.50	Unsuited Slope Rock fragments	 1.00 0.50	Poorly suited Slope	 1.00
Rubble land	5	Not rated		Not rated		Not rated	
Rock outcrop	5	Not rated		Not rated		Not rated	
337:							
Redriver	45	Moderately suited Sandiness Rock fragments	 0.50 0.50	Poorly suited Rock fragments Sandiness Slope	 0.75 0.50 0.50	Well suited	
Gerle	35	Well suited		Moderately suited Slope Rock fragments	 0.50 0.50	Well suited	
Inville, very gravelly loam	10	Well suited		Moderately suited Rock fragments	 0.50	Well suited	
Forgay, extremely gravelly sandy loam	10	Moderately suited Sandiness Rock fragments	 0.50 0.50	Moderately suited Rock fragments Sandiness	 0.50 0.50	Moderately suited Sandiness	 0.50
338:							
Redriver	50	Moderately suited Sandiness Rock fragments	 0.50 0.50	Poorly suited Rock fragments Sandiness Slope	 0.75 0.50 0.50	Moderately suited Sandiness	 0.50
Weste	30	Moderately suited Sandiness	 0.50	Moderately suited Sandiness Rock fragments Slope	 0.50 0.50 0.50	Moderately suited Sandiness	 0.50
Woodwest, very stony sandy loam	5	Poorly suited Rock fragments Sandiness	 0.75 0.50	Unsuited Rock fragments Sandiness	 1.00 0.50	Moderately suited Rock fragments	 0.50
Swainow, very gravelly sandy loam	5	Well suited		Moderately suited Rock fragments Slope	 0.50 0.50	Well suited	
Keddie, loam	5	Well suited		Well suited		Moderately suited Strength	 0.50

TABLE 11.--FORESTLAND MANAGEMENT--Continued

Map symbol and soil name	Pct. of map unit	Suitability for hand planting		Suitability for mechanical planting		Suitability for use of harvesting equipment	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
Inville, very gravelly loam------	5	Well suited		Moderately suited Rock fragments	 0.50	Well suited	
339:							
Redriver, stony sandy loam---------	50	Moderately suited Rock fragments Sandiness	 0.50 0.50	Poorly suited Rock fragments Sandiness Slope	 0.75 0.50 0.50	Moderately suited Rock fragments	 0.50
Woodwest----------	20	Poorly suited Rock fragments Sandiness	 0.75 0.50	Unsuited Rock fragments Sandiness	 1.00 0.50	Moderately suited Rock fragments	 0.50
Wafla----------	15	Well suited		Well suited		Well suited	
Inville, very gravelly loam------	8	Well suited		Moderately suited Rock fragments	 0.50	Well suited	
Rock outcrop--------	7	Not rated		Not rated		Not rated	
343:							
Rubble land---------	60	Not rated		Not rated		Not rated	
Fiddler----------	25	Poorly suited Rock fragments Stickiness	 0.75 0.50	Unsuited Rock fragments Slope Stickiness	 1.00 1.00 0.50	Moderately suited Rock fragments Slope Strength	 0.50 0.50 0.50
Orhood, very stony loam----------	8	Poorly suited Rock fragments	 0.75	Unsuited Slope Rock fragments	 1.00 1.00	Moderately suited Rock fragments Slope	 0.50 0.50
Rock outcrop--------	7	Not rated		Not rated		Not rated	
346:							
Rubble land---------	60	Not rated		Not rated		Not rated	
Weste----------	20	Poorly suited Rock fragments Sandiness	 0.75 0.50	Unsuited Slope Rock fragments Sandiness	 1.00 1.00 0.50	Poorly suited Rock fragments Slope Sandiness	 1.00 0.50 0.50
Gavel----------	5	Moderately suited Rock fragments	 0.50	Poorly suited Slope Rock fragments	 0.75 0.75	Moderately suited Rock fragments	 0.50
Easte, gravelly loam	7	Well suited		Poorly suited Slope Rock fragments	 0.75 0.50	Well suited	
Scaribou, very gravelly loam------	3	Well suited		Unsuited Slope Rock fragments	 1.00 0.50	Moderately suited Slope	 0.50
Outland, very stony loam----------	3	Moderately suited Rock fragments Slope	 0.50 0.50	Unsuited Slope Rock fragments	 1.00 0.75	Poorly suited Slope Rock fragments	 1.00 0.50
Rock outcrop--------	2	Not rated		Not rated		Not rated	

TABLE 11.--FORESTLAND MANAGEMENT--Continued

Map symbol and soil name	Pct. of map unit	Suitability for hand planting		Suitability for mechanical planting		Suitability for use of harvesting equipment	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
351:							
Said	85	Well suited		Poorly suited		Well suited	
				Slope	0.75		
				Rock fragments	0.50		
Fredonyer, very stony loam	5	Poorly suited		Unsuited		Poorly suited	
		Rock fragments	0.75	Rock fragments	1.00	Rock fragments	1.00
				Slope	0.75		
Easte, very gravelly sandy loam	5	Moderately suited		Poorly suited		Moderately suited	
		Sandiness	0.50	Slope	0.75	Sandiness	0.50
				Sandiness	0.50		
				Rock fragments	0.50		
Ninemile, very cobbly loam	3	Poorly suited		Unsuited		Moderately suited	
		Stickiness	0.75	Rock fragments	1.00	Strength	0.50
		Rock fragments	0.50	Stickiness	0.75	Stickiness	0.50
				Slope	0.50		
Petescreek, gravelly loam	2	Well suited		Poorly suited		Well suited	
				Slope	0.75		
				Rock fragments	0.50		
352:							
Said	50	Moderately suited		Unsuited		Poorly suited	
		Slope	0.50	Slope	1.00	Slope	1.00
				Rock fragments	0.50		
Fraval	35	Moderately suited		Unsuited		Poorly suited	
		Slope	0.50	Slope	1.00	Slope	1.00
		Rock fragments	0.50	Rock fragments	0.75	Strength	0.50
Easte, very gravelly sandy loam	8	Moderately suited		Unsuited		Poorly suited	
		Sandiness	0.50	Slope	1.00	Slope	1.00
		Slope	0.50	Sandiness	0.50	Sandiness	0.50
				Rock fragments	0.50		
Deadwood family, very gravelly sandy loam	7	Moderately suited		Poorly suited		Moderately suited	
		Sandiness	0.50	Slope	0.75	Sandiness	0.50
				Rock fragments	0.50	Slope	0.50
				Sandiness	0.50		
353:							
Said	60	Well suited		Poorly suited		Moderately suited	
				Slope	0.75	Slope	0.50
				Rock fragments	0.50		
Ninemile	25	Poorly suited		Unsuited		Moderately suited	
		Stickiness	0.75	Rock fragments	1.00	Strength	0.50
		Rock fragments	0.50	Stickiness	0.75	Stickiness	0.50
				Slope	0.50		
Rock outcrop	5	Not rated		Not rated		Not rated	
Fredonyer, very stony loam	5	Poorly suited		Unsuited		Poorly suited	
		Rock fragments	0.75	Rock fragments	1.00	Rock fragments	1.00
				Slope	0.75	Slope	0.50

TABLE 11.--FORESTLAND MANAGEMENT--Continued

Map symbol and soil name	Pct. of map unit	Suitability for hand planting		Suitability for mechanical planting		Suitability for use of harvesting equipment	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
Eaglelake, very gravelly loam------	5	Well suited		Moderately suited		Well suited	
				Rock fragments	0.50		
				Slope	0.50		
354:							
Scaribou----------	85	Well suited		Poorly suited		Well suited	
				Slope	0.75		
				Rock fragments	0.50		
Scaribou, stony loam	8	Moderately suited		Poorly suited		Moderately suited	
		Rock fragments	0.50	Rock fragments	0.75	Rock fragments	0.50
				Slope	0.75	Slope	0.50
Penstock----------	7	Moderately suited		Poorly suited		Moderately suited	
		Rock fragments	0.50	Rock fragments	0.75	Rock fragments	0.50
				Slope	0.50		
355:							
Scaribou----------	55	Unsuited		Unsuited		Poorly suited	
		Rock fragments	1.00	Slope	1.00	Slope	1.00
		Slope	0.50	Rock fragments	1.00	Rock fragments	1.00
Penstock----------	20	Moderately suited		Unsuited		Poorly suited	
		Slope	0.50	Slope	1.00	Slope	1.00
				Rock fragments	0.50		
Rock outcrop--------	15	Not rated		Not rated		Not rated	
Rubble land---------	5	Not rated		Not rated		Not rated	
Deadwood, very gravelly sandy loam	5	Moderately suited		Unsuited		Poorly suited	
		Slope	0.50	Slope	1.00	Slope	1.00
		Sandiness	0.50	Rock fragments	0.50	Sandiness	0.50
				Sandiness	0.50		
360:							
Searles----------	35	Poorly suited		Unsuited		Moderately suited	
		Rock fragments	0.75	Rock fragments	1.00	Rock fragments	0.50
				Slope	0.75		
Orhood----------	30	Poorly suited		Unsuited		Moderately suited	
		Rock fragments	0.75	Rock fragments	1.00	Rock fragments	0.50
				Slope	0.75		
Devada----------	20	Poorly suited		Unsuited		Moderately suited	
		Rock fragments	0.75	Rock fragments	1.00	Rock fragments	0.50
		Stickiness	0.50	Slope	0.75		
				Stickiness	0.50		
Bucklake, very stony loam----------	4	Poorly suited		Unsuited		Poorly suited	
		Rock fragments	0.75	Rock fragments	1.00	Rock fragments	1.00
		Stickiness	0.50	Slope	0.75	Slope	0.50
				Stickiness	0.50		
Fiddler, very stony loam----------	4	Poorly suited		Unsuited		Poorly suited	
		Rock fragments	0.75	Rock fragments	1.00	Rock fragments	1.00
		Stickiness	0.50	Slope	0.75	Strength	0.50
				Stickiness	0.50		
Fivesprings, very stony loam---------	3	Poorly suited		Unsuited		Poorly suited	
		Rock fragments	0.75	Rock fragments	1.00	Rock fragments	1.00
		Stickiness	0.50	Slope	0.75	Slope	0.50
				Stickiness	0.50		

TABLE 11.--FORESTLAND MANAGEMENT--Continued

Map symbol and soil name	Pct. of map unit	Suitability for hand planting		Suitability for mechanical planting		Suitability for use of harvesting equipment	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
Rock outcrop--------	2	Not rated		Not rated		Not rated	
Xerolls, loamy coarse sand--------	2	Well suited		Moderately suited Slope	 0.50	Well suited	
364:							
Southpac----------	85	Poorly suited Rock fragments Slope	 0.75 0.50	Unsuited Slope Rock fragments	 1.00 1.00	Poorly suited Slope Rock fragments	 1.00 1.00
Rock outcrop--------	8	Not rated		Not rated		Not rated	
Riverwash----------	4	Not rated		Not rated		Not rated	
Keddie, loam--------	3	Well suited		Well suited		Moderately suited Strength	 0.50
373:							
Swainow----------	40	Poorly suited Rock fragments	 0.75	Unsuited Rock fragments Slope	 1.00 0.75	Moderately suited Rock fragments	 0.50
Almanor----------	30	Poorly suited Rock fragments	 0.75	Unsuited Rock fragments Slope	 1.00 0.75	Moderately suited Rock fragments	 0.50
Tahand----------	20	Well suited		Poorly suited Slope Rock fragments	 0.75 0.50	Well suited	
Whorled, very gravelly sandy loam	10	Moderately suited Sandiness	 0.50	Poorly suited Slope Rock fragments Sandiness	 0.75 0.50 0.50	Moderately suited Sandiness Slope	 0.50 0.50
374:							
Swainow, very stony sandy loam---------	65	Poorly suited Rock fragments Sandiness	 0.75 0.50	Unsuited Rock fragments Slope Sandiness	 1.00 0.75 0.50	Poorly suited Rock fragments Sandiness Slope	 1.00 0.50 0.50
Almanor----------	20	Poorly suited Rock fragments	 0.75	Unsuited Rock fragments Slope	 1.00 0.75	Poorly suited Rock fragments Slope	 1.00 0.50
Keddie, loam--------	3	Well suited		Well suited		Moderately suited Strength	 0.50
Almanor, very gravelly sandy loam	3	Poorly suited Rock fragments	 0.75	Unsuited Rock fragments Slope	 1.00 0.75	Poorly suited Rock fragments Slope	 1.00 0.50
Rock outcrop--------	3	Not rated		Not rated		Not rated	
Whorled, very gravelly sandy loam	4	Moderately suited Sandiness	 0.50	Poorly suited Slope Rock fragments Sandiness	 0.75 0.50 0.50	Moderately suited Sandiness Slope	 0.50 0.50

TABLE 11.--FORESTLAND MANAGEMENT--Continued

Map symbol and soil name	Pct. of map unit	Suitability for hand planting		Suitability for mechanical planting		Suitability for use of harvesting equipment	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
Tahand----------	2	Poorly suited		Unsuited		Poorly suited	
		Rock fragments	0.75	Rock fragments	1.00	Rock fragments	1.00
				Slope	0.75	Slope	0.50
375:							
Swainow----------	50	Well suited		Moderately suited		Well suited	
				Rock fragments	0.50		
				Slope	0.50		
Redriver----------	35	Moderately suited		Poorly suited		Well suited	
		Sandiness	0.50	Rock fragments	0.75		
		Rock fragments	0.50	Sandiness	0.50		
				Slope	0.50		
Rubble land---------	5	Not rated		Not rated		Not rated	
Redriver----------	5	Moderately suited		Poorly suited		Moderately suited	
		Rock fragments	0.50	Rock fragments	0.75	Rock fragments	0.50
		Sandiness	0.50	Slope	0.50		
				Sandiness	0.50		
Woodwest, very stony sandy loam---------	5	Poorly suited		Unsuited		Moderately suited	
		Rock fragments	0.75	Rock fragments	1.00	Rock fragments	0.50
		Sandiness	0.50	Sandiness	0.50		
376:							
Swainow----------	55	Poorly suited		Unsuited		Poorly suited	
		Rock fragments	0.75	Slope	1.00	Slope	1.00
		Slope	0.50	Rock fragments	1.00	Rock fragments	1.00
Tahand----------	35	Poorly suited		Unsuited		Poorly suited	
		Rock fragments	0.75	Slope	1.00	Slope	1.00
		Slope	0.50	Rock fragments	1.00	Rock fragments	1.00
Urban land----------	5	Not rated		Not rated		Not rated	
Baileycreek, very bouldery loam------	5	Poorly suited		Unsuited		Poorly suited	
		Rock fragments	0.75	Slope	1.00	Slope	1.00
		Slope	0.50	Rock fragments	1.00	Rock fragments	1.00
377:							
Tahand----------	45	Well suited		Poorly suited		Well suited	
				Slope	0.75		
				Rock fragments	0.50		
Baileycreek---------	35	Well suited		Poorly suited		Well suited	
				Slope	0.75		
				Rock fragments	0.50		
Rock outcrop--------	5	Not rated		Not rated		Not rated	
Baileycreek, very stony loam---------	5	Poorly suited		Unsuited		Poorly suited	
		Rock fragments	0.75	Rock fragments	1.00	Rock fragments	1.00
				Slope	0.75	Slope	0.50
Weste, very stony sandy loam---------	5	Poorly suited		Unsuited		Poorly suited	
		Rock fragments	0.75	Rock fragments	1.00	Rock fragments	1.00
		Sandiness	0.50	Slope	0.75	Sandiness	0.50
				Sandiness	0.50	Slope	0.50

TABLE 11.--FORESTLAND MANAGEMENT--Continued

Map symbol and soil name	Pct. of map unit	Suitability for hand planting		Suitability for mechanical planting		Suitability for use of harvesting equipment	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
Redriver, very gravelly sandy loam	5	Moderately suited		Poorly suited		Well suited	
		Sandiness	0.50	Rock fragments	0.75		
		Rock fragments	0.50	Slope	0.50		
				Sandiness	0.50		
378:							
Tahand	35	Well suited		Moderately suited		Well suited	
				Slope	0.50		
				Rock fragments	0.50		
Swainow	30	Moderately suited		Poorly suited		Moderately suited	
		Rock fragments	0.50	Rock fragments	0.75	Rock fragments	0.50
				Slope	0.50		
Almanor	20	Moderately suited		Poorly suited		Well suited	
		Rock fragments	0.50	Rock fragments	0.75		
				Slope	0.50		
Rock outcrop	5	Not rated		Not rated		Not rated	
Woodwest, very stony sandy loam	5	Poorly suited		Unsuited		Moderately suited	
		Rock fragments	0.75	Rock fragments	1.00	Rock fragments	0.50
		Sandiness	0.50	Sandiness	0.50		
Keddie, loam	5	Well suited		Well suited		Moderately suited	
						Strength	0.50
382:							
Toiyabe	50	Moderately suited		Unsuited		Poorly suited	
		Sandiness	0.50	Slope	1.00	Slope	1.00
		Slope	0.50	Sandiness	0.50		
				Rock fragments	0.50		
Lasco	20	Moderately suited		Unsuited		Poorly suited	
		Slope	0.50	Slope	1.00	Slope	1.00
Quartzburg	15	Moderately suited		Unsuited		Poorly suited	
		Rock fragments	0.50	Slope	1.00	Slope	1.00
		Sandiness	0.50	Rock fragments	0.75	Rock fragments	0.50
		Slope	0.50	Sandiness	0.50	Sandiness	0.50
Rock outcrop	5	Not rated		Not rated		Not rated	
Toiyabe	5	Moderately suited		Unsuited		Poorly suited	
		Sandiness	0.50	Slope	1.00	Rock fragments	1.00
		Rock fragments	0.50	Rock fragments	0.75	Slope	1.00
		Slope	0.50	Sandiness	0.50		
Outland, very stony loam	5	Moderately suited		Unsuited		Poorly suited	
		Rock fragments	0.50	Slope	1.00	Slope	1.00
		Slope	0.50	Rock fragments	0.75	Rock fragments	0.50
383:							
Toiyabe	55	Moderately suited		Poorly suited		Moderately suited	
		Sandiness	0.50	Slope	0.75	Sandiness	0.50
				Sandiness	0.50		
				Rock fragments	0.50		
Lasco	30	Well suited		Poorly suited		Well suited	
				Slope	0.75		
Bonta, coarse sandy loam	8	Well suited		Moderately suited		Well suited	
				Slope	0.50		

TABLE 11.--FORESTLAND MANAGEMENT--Continued

Map symbol and soil name	Pct. of map unit	Suitability for hand planting		Suitability for mechanical planting		Suitability for use of harvesting equipment	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
Toiyabe----------	7	Moderately suited		Poorly suited		Poorly suited	
		Sandiness	0.50	Slope	0.75	Rock fragments	1.00
		Rock fragments	0.50	Rock fragments	0.75	Sandiness	0.50
				Sandiness	0.50	Slope	0.50
391:							
Ulhalf----------	85	Moderately suited		Unsuited		Poorly suited	
		Slope	0.50	Slope	1.00	Slope	1.00
				Rock fragments	0.50		
Inville, very gravelly loam------	8	Well suited		Moderately suited		Well suited	
				Rock fragments	0.50		
Southpac, very stony loam----------	7	Poorly suited		Unsuited		Poorly suited	
		Rock fragments	0.75	Slope	1.00	Slope	1.00
		Slope	0.50	Rock fragments	1.00	Rock fragments	1.00
392:							
Ulhalf----------	90	Well suited		Moderately suited		Well suited	
				Rock fragments	0.50		
				Slope	0.50		
Deadwood, very gravelly sandy loam	5	Moderately suited		Moderately suited		Moderately suited	
		Sandiness	0.50	Rock fragments	0.50	Sandiness	0.50
				Slope	0.50		
				Sandiness	0.50		
Penstock----------	5	Well suited		Moderately suited		Well suited	
				Slope	0.50		
				Rock fragments	0.50		
393:							
Ulhalf----------	60	Poorly suited		Unsuited		Poorly suited	
		Rock fragments	0.75	Rock fragments	1.00	Rock fragments	1.00
Gavel----------	30	Moderately suited		Poorly suited		Well suited	
		Rock fragments	0.50	Rock fragments	0.75		
				Slope	0.50		
Southpac, very stony loam----------	10	Poorly suited		Unsuited		Poorly suited	
		Rock fragments	0.75	Rock fragments	1.00	Rock fragments	1.00
				Slope	0.50		
394:							
Ulhalf----------	60	Well suited		Moderately suited		Well suited	
				Rock fragments	0.50		
				Slope	0.50		
Southpac----------	30	Poorly suited		Unsuited		Poorly suited	
		Rock fragments	0.75	Rock fragments	1.00	Rock fragments	1.00
				Slope	0.75	Slope	0.50
Rock outcrop--------	10	Not rated		Not rated		Not rated	
398:							
Weste----------	35	Poorly suited		Unsuited		Poorly suited	
		Rock fragments	0.75	Rock fragments	1.00	Rock fragments	1.00
		Sandiness	0.50	Slope	0.75	Sandiness	0.50
				Sandiness	0.50		

TABLE 11.--FORESTLAND MANAGEMENT--Continued

Map symbol and soil name	Pct. of map unit	Suitability for hand planting		Suitability for mechanical planting		Suitability for use of harvesting equipment	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
Baileycreek---------	30	Poorly suited		Unsuited		Poorly suited	
		Rock fragments	0.75	Rock fragments	1.00	Rock fragments	1.00
				Slope	0.75		
Tahand--------------	20	Poorly suited		Unsuited		Poorly suited	
		Rock fragments	0.75	Rock fragments	1.00	Rock fragments	1.00
				Slope	0.75		
Rubble land---------	8	Not rated		Not rated		Not rated	
Rock outcrop--------	7	Not rated		Not rated		Not rated	
399:							
Weste---------------	65	Moderately suited		Unsuited		Poorly suited	
		Sandiness	0.50	Slope	1.00	Slope	1.00
		Slope	0.50	Sandiness	0.50	Sandiness	0.50
				Rock fragments	0.50		
Rock outcrop--------	15	Not rated		Not rated		Not rated	
Swainow, stony sandy loam---------------	10	Poorly suited		Unsuited		Poorly suited	
		Rock fragments	0.75	Slope	1.00	Slope	1.00
		Slope	0.50	Rock fragments	1.00	Rock fragments	0.50
Woodwest, very stony sandy loam---------	10	Poorly suited		Unsuited		Moderately suited	
		Rock fragments	0.75	Rock fragments	1.00	Rock fragments	0.50
		Sandiness	0.50	Sandiness	0.50		
400:							
Whitinger-----------	45	Moderately suited		Poorly suited		Moderately suited	
		Rock fragments	0.50	Slope	0.75	Rock fragments	0.50
				Rock fragments	0.75	Strength	0.50
Devada--------------	35	Unsuited		Unsuited		Moderately suited	
		Rock fragments	1.00	Rock fragments	1.00	Rock fragments	0.50
		Stickiness	0.50	Slope	0.75		
				Stickiness	0.50		
Rubble land---------	5	Not rated		Not rated		Not rated	
Rock outcrop--------	5	Not rated		Not rated		Not rated	
Jauriga, gravelly loam---------------	5	Well suited		Moderately suited		Well suited	
				Slope	0.50		
				Rock fragments	0.50		
Buckbay, gravelly loam---------------	5	Well suited		Poorly suited		Well suited	
				Slope	0.75		
				Rock fragments	0.50		
401:							
Whorled-------------	45	Moderately suited		Poorly suited		Moderately suited	
		Sandiness	0.50	Slope	0.75	Sandiness	0.50
				Rock fragments	0.50	Slope	0.50
				Sandiness	0.50		
Almanor-------------	35	Moderately suited		Poorly suited		Moderately suited	
		Rock fragments	0.50	Slope	0.75	Slope	0.50
				Rock fragments	0.75		

TABLE 11.--FORESTLAND MANAGEMENT--Continued

Map symbol and soil name	Pct. of map unit	Suitability for hand planting		Suitability for mechanical planting		Suitability for use of harvesting equipment	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
Tahand	8	Poorly suited		Unsuited		Poorly suited	
		Rock fragments	0.75	Rock fragments	1.00	Rock fragments	1.00
				Slope	0.75	Slope	0.50
Whorled	7	Moderately suited		Poorly suited		Moderately suited	
		Sandiness	0.50	Slope	0.75	Rock fragments	0.50
		Rock fragments	0.50	Rock fragments	0.75	Sandiness	0.50
				Sandiness	0.50	Slope	0.50
Rock outcrop	5	Not rated		Not rated		Not rated	

TABLE 12.--FORESTLAND MANAGEMENT

(The information in this table indicates the dominant soil condition but does not eliminate the need for onsite investigation. The numbers in the value columns range from 0.01 to 1.00. The larger the value, the greater the limitation. See text for further explanation of ratings in this table.)

Map symbol and soil name	Pct. of map unit	Suitability for mechanical site preparation (surface)		Suitability for mechanical site preparation (deep)	
		Rating class and limiting features	Value	Rating class and limiting features	Value
101:					
Almanor	40	Poorly suited Rock fragments	 0.50	Well suited	
Whorled	35	Well suited		Well suited	
Inville	20	Well suited		Well suited	
Tahand	5	Unsuited Rock fragments	 1.00	Unsuited Rock fragments	 1.00
111:					
Baileycreek	45	Well suited		Well suited	
Weste	35	Poorly suited Rock fragments	 0.50	Well suited	
Inville	10	Poorly suited Rock fragments	 0.50	Well suited	
Weste	5	Poorly suited Rock fragments	 0.50	Poorly suited Rock fragments	 0.50
Baileycreek	5	Poorly suited Rock fragments	 0.50	Poorly suited Rock fragments	 0.50
112:					
Baileycreek	50	Unsuited Rock fragments Slope	 1.00 0.50	Unsuited Rock fragments Slope	 1.00 0.50
Weste	35	Unsuited Rock fragments Slope	 1.00 0.50	Unsuited Rock fragments Slope	 1.00 0.50
Swainow	5	Poorly suited Slope	 0.50	Poorly suited Slope	 0.50
Rock outcrop	5	Not rated		Not rated	
Weste	3	Unsuited Rock fragments Slope	 1.00 0.50	Unsuited Rock fragments Slope	 1.00 0.50
Baileycreek	2	Unsuited Rock fragments Slope	 1.00 0.50	Unsuited Rock fragments Slope	 1.00 0.50

TABLE 12.--FORESTLAND MANAGEMENT--Continued

Map symbol and soil name	Pct. of map unit	Suitability for mechanical site preparation (surface)		Suitability for mechanical site preparation (deep)	
		Rating class and limiting features	Value	Rating class and limiting features	Value
113:					
Baileycreek---------	50	Unsuited		Unsuited	
		Slope	1.00	Slope	1.00
		Rock fragments	1.00	Rock fragments	1.00
Weste---------------	35	Unsuited		Unsuited	
		Slope	1.00	Slope	1.00
Rubble land---------	5	Not rated		Not rated	
Rock outcrop--------	5	Not rated		Not rated	
Swainow-------------	5	Unsuited		Unsuited	
		Slope	1.00	Slope	1.00
124:					
Bonta---------------	80	Well suited		Well suited	
Janile--------------	10	Unsuited		Poorly suited	
		Rock fragments	1.00	Rock fragments	0.50
Lasco---------------	10	Well suited		Well suited	
125:					
Bonta---------------	80	Poorly suited		Poorly suited	
		Slope	0.50	Slope	0.50
Lasco---------------	10	Poorly suited		Poorly suited	
		Slope	0.50	Slope	0.50
Rock outcrop--------	5	Not rated		Not rated	
Bonta---------------	5	Unsuited		Poorly suited	
		Rock fragments	1.00	Slope	0.50
		Slope	0.50	Rock fragments	0.50
126:					
Bonta---------------	75	Unsuited		Unsuited	
		Slope	1.00	Slope	1.00
Bonta---------------	5	Unsuited		Unsuited	
		Rock fragments	1.00	Slope	1.00
		Slope	1.00	Rock fragments	0.50
Lasco---------------	5	Unsuited		Unsuited	
		Slope	1.00	Slope	1.00
Waterman------------	5	Unsuited		Unsuited	
		Slope	1.00	Slope	1.00
		Rock fragments	1.00	Rock fragments	0.50

TABLE 12.--FORESTLAND MANAGEMENT--Continued

Map symbol and soil name	Pct. of map unit	Suitability for mechanical site preparation (surface)		Suitability for mechanical site preparation (deep)	
		Rating class and limiting features	Value	Rating class and limiting features	Value
Gerle	5	Unsuited		Unsuited	
		Slope	1.00	Slope	1.00
Chimney	5	Unsuited		Unsuited	
		Slope	1.00	Slope	1.00
133:					
Buckbay	35	Poorly suited		Poorly suited	
		Slope	0.50	Slope	0.50
Orhood	25	Poorly suited		Poorly suited	
		Rock fragments	0.50	Rock fragments	0.50
		Slope	0.50	Slope	0.50
Devada	20	Poorly suited		Poorly suited	
		Rock fragments	0.50	Rock fragments	0.50
		Stickiness	0.50		
Fredonyer	4	Poorly suited		Poorly suited	
		Rock fragments	0.50	Rock fragments	0.50
		Slope	0.50	Slope	0.50
Longcreek	4	Poorly suited		Poorly suited	
		Rock fragments	0.50	Rock fragments	0.50
		Slope	0.50	Slope	0.50
		Stickiness	0.50		
Ninemile	4	Poorly suited		Well suited	
		Stickiness	0.50		
		Rock fragments	0.50		
Petescreek	4	Poorly suited		Poorly suited	
		Rock fragments	0.50	Rock fragments	0.50
		Slope	0.50	Slope	0.50
Puls	4	Poorly suited		Unsuited	
		Rock fragments	0.50	Restrictive layer	1.00
		Stickiness	0.50		
134:					
Buckbay	40	Poorly suited		Poorly suited	
		Slope	0.50	Slope	0.50
Orhood	25	Poorly suited		Poorly suited	
		Rock fragments	0.50	Rock fragments	0.50
		Slope	0.50	Slope	0.50
Fredonyer	20	Poorly suited		Poorly suited	
		Rock fragments	0.50	Rock fragments	0.50
		Slope	0.50	Slope	0.50
Searles	8	Poorly suited		Poorly suited	
		Rock fragments	0.50	Rock fragments	0.50
		Slope	0.50	Slope	0.50
Jauriga	7	Well suited		Well suited	

TABLE 12.--FORESTLAND MANAGEMENT--Continued

Map symbol and soil name	Pct. of map unit	Suitability for mechanical site preparation (surface)		Suitability for mechanical site preparation (deep)	
		Rating class and limiting features	Value	Rating class and limiting features	Value
136:					
Bunanch	90	Poorly suited		Poorly suited	
		Slope	0.50	Slope	0.50
Ulhalf	5	Unsuited		Unsuited	
		Rock fragments	1.00	Rock fragments	1.00
		Slope	0.50	Slope	0.50
Jauriga	4	Well suited		Well suited	
Keddie	1	Well suited		Well suited	
137:					
Cagwin	85	Poorly suited		Poorly suited	
		Slope	0.50	Slope	0.50
Penstock	5	Poorly suited		Poorly suited	
		Rock fragments	0.50	Rock fragments	0.50
		Slope	0.50	Slope	0.50
Quartzburg	3	Unsuited		Unsuited	
		Slope	1.00	Slope	1.00
		Rock fragments	0.50	Rock fragments	0.50
Cagwin	3	Unsuited		Poorly suited	
		Rock fragments	1.00	Slope	0.50
		Slope	0.50	Rock fragments	0.50
Lasco	2	Poorly suited		Poorly suited	
		Slope	0.50	Slope	0.50
Cagwin	2	Unsuited		Unsuited	
		Slope	1.00	Slope	1.00
138:					
Cagwin	85	Unsuited		Unsuited	
		Slope	1.00	Slope	1.00
Cagwin family	3	Unsuited		Unsuited	
		Slope	1.00	Slope	1.00
Penstock family	5	Unsuited		Unsuited	
		Slope	1.00	Slope	1.00
		Rock fragments	0.50	Rock fragments	0.50
Lasco	5	Unsuited		Unsuited	
		Slope	1.00	Slope	1.00
Cagwin	1	Unsuited		Unsuited	
		Slope	1.00	Slope	1.00
Quartzburg	1	Unsuited		Unsuited	
		Slope	1.00	Slope	1.00
		Rock fragments	0.50	Rock fragments	0.50
152:					
Chimney	90	Well suited		Well suited	

TABLE 12.--FORESTLAND MANAGEMENT--Continued

Map symbol and soil name	Pct. of map unit	Suitability for mechanical site preparation (surface)		Suitability for mechanical site preparation (deep)	
		Rating class and limiting features	Value	Rating class and limiting features	Value
Mottsville----------	6	Well suited		Well suited	
Rock outcrop--------	4	Not rated		Not rated	
153:					
Chimney-------------	85	Well suited		Well suited	
Bonta---------------	8	Well suited		Well suited	
Mottsville----------	7	Well suited		Well suited	
154:					
Chimney-------------	35	Unsuited		Unsuited	
		Slope	1.00	Slope	1.00
Janile--------------	35	Unsuited		Unsuited	
		Slope	1.00	Slope	1.00
		Rock fragments	1.00	Rock fragments	0.50
Waterman------------	15	Unsuited		Poorly suited	
		Rock fragments	1.00	Slope	0.50
		Slope	0.50	Rock fragments	0.50
Rock outcrop--------	5	Not rated		Not rated	
Mottsville----------	5	Poorly suited		Poorly suited	
		Slope	0.50	Slope	0.50
Bonta---------------	5	Poorly suited		Poorly suited	
		Slope	0.50	Slope	0.50
155:					
Chimney-------------	40	Unsuited		Unsuited	
		Slope	1.00	Slope	1.00
Janile--------------	30	Unsuited		Unsuited	
		Slope	1.00	Slope	1.00
		Rock fragments	1.00	Rock fragments	0.50
Waterman------------	15	Unsuited		Unsuited	
		Slope	1.00	Slope	1.00
		Rock fragments	1.00	Rock fragments	0.50
Chimney-------------	8	Unsuited		Unsuited	
		Slope	1.00	Slope	1.00
		Rock fragments	1.00	Rock fragments	0.50
Rock outcrop--------	7	Not rated		Not rated	

TABLE 12.--FORESTLAND MANAGEMENT--Continued

Map symbol and soil name	Pct. of map unit	Suitability for mechanical site preparation (surface)		Suitability for mechanical site preparation (deep)	
		Rating class and limiting features	Value	Rating class and limiting features	Value
156:					
Chimney	65	Poorly suited		Poorly suited	
		Slope	0.50	Slope	0.50
Waterman	20	Unsuited		Poorly suited	
		Rock fragments	1.00	Rock fragments	0.50
Mottsville	5	Poorly suited		Poorly suited	
		Slope	0.50	Slope	0.50
Massack	5	Well suited		Well suited	
Calpine	5	Well suited		Well suited	
157:					
Chirpchatter	85	Well suited		Well suited	
Ulhalf family	8	Unsuited		Unsuited	
		Rock fragments	1.00	Rock fragments	1.00
Gavel family	7	Well suited		Well suited	
172:					
Devada	60	Unsuited		Unsuited	
		Rock fragments	1.00	Rock fragments	1.00
		Slope	0.50	Slope	0.50
		Stickiness	0.50		
Gavel	35	Poorly suited		Poorly suited	
		Rock fragments	0.50	Rock fragments	0.50
		Slope	0.50	Slope	0.50
Ulhalf	5	Poorly suited		Poorly suited	
		Slope	0.50	Slope	0.50
173:					
Devada	40	Unsuited		Unsuited	
		Rock fragments	1.00	Rock fragments	1.00
		Stickiness	0.50		
Gavel	25	Poorly suited		Poorly suited	
		Rock fragments	0.50	Rock fragments	0.50
		Slope	0.50	Slope	0.50
Whitinger	15	Poorly suited		Poorly suited	
		Rock fragments	0.50	Rock fragments	0.50
		Slope	0.50	Slope	0.50
Rubble land	4	Not rated		Not rated	
Rock outcrop	4	Not rated		Not rated	

TABLE 12.--FORESTLAND MANAGEMENT--Continued

Map symbol and soil name	Pct. of map unit	Suitability for mechanical site preparation (surface)		Suitability for mechanical site preparation (deep)	
		Rating class and limiting features	Value	Rating class and limiting features	Value
Petescreek----------	4	Poorly suited		Poorly suited	
		Slope	0.50	Slope	0.50
Orhood----------	4	Poorly suited		Poorly suited	
		Rock fragments	0.50	Rock fragments	0.50
		Slope	0.50	Slope	0.50
Bucklake----------	4	Unsuited		Unsuited	
		Rock fragments	1.00	Rock fragments	1.00
		Slope	0.50	Slope	0.50
176:					
Devada----------	30	Poorly suited		Poorly suited	
		Rock fragments	0.50	Rock fragments	0.50
		Stickiness	0.50		
Orhood----------	30	Poorly suited		Poorly suited	
		Rock fragments	0.50	Rock fragments	0.50
		Slope	0.50	Slope	0.50
Hart Camp----------	25	Poorly suited		Poorly suited	
		Slope	0.50	Slope	0.50
Jauriga----------	4	Well suited		Well suited	
Fiddler----------	4	Unsuited		Unsuited	
		Rock fragments	1.00	Rock fragments	1.00
		Slope	0.50	Slope	0.50
Searles----------	3	Unsuited		Unsuited	
		Rock fragments	1.00	Rock fragments	1.00
Rock outcrop--------	2	Not rated		Not rated	
Aquolls----------	1	Poorly suited		Unsuited	
		Wetness	0.50	Wetness	1.00
Rubble land---------	1	Not rated		Not rated	
177:					
Devada----------	40	Unsuited		Unsuited	
		Slope	1.00	Slope	1.00
		Rock fragments	0.50	Rock fragments	0.50
		Stickiness	0.50		
Papeek----------	30	Unsuited		Unsuited	
		Slope	1.00	Slope	1.00
Gavel----------	20	Unsuited		Unsuited	
		Slope	1.00	Slope	1.00
		Rock fragments	0.50	Rock fragments	0.50

TABLE 12.--FORESTLAND MANAGEMENT--Continued

Map symbol and soil name	Pct. of map unit	Suitability for mechanical site preparation (surface)		Suitability for mechanical site preparation (deep)	
		Rating class and limiting features	Value	Rating class and limiting features	Value
Whitinger	5	Unsuited		Unsuited	
		Slope	1.00	Slope	1.00
		Rock fragments	0.50	Rock fragments	0.50
Gavel	5	Unsuited		Unsuited	
		Slope	1.00	Slope	1.00
		Rock fragments	0.50	Rock fragments	0.50
178:					
Devada	40	Unsuited		Unsuited	
		Rock fragments	1.00	Rock fragments	1.00
		Stickiness	0.50		
Petescreek	25	Poorly suited		Poorly suited	
		Slope	0.50	Slope	0.50
Fiddler	20	Unsuited		Unsuited	
		Rock fragments	1.00	Rock fragments	1.00
		Slope	0.50	Slope	0.50
Longcreek	3	Unsuited		Unsuited	
		Rock fragments	1.00	Rock fragments	1.00
		Slope	0.50	Slope	0.50
		Stickiness	0.50		
Fredonyer	3	Unsuited		Unsuited	
		Rock fragments	1.00	Rock fragments	1.00
		Slope	0.50	Slope	0.50
Bucklake	3	Poorly suited		Well suited	
		Rock fragments	0.50		
Dune land	2	Not rated		Not rated	
Tunnison	2	Poorly suited		Poorly suited	
		Rock fragments	0.50	Slope	0.50
		Slope	0.50		
		Stickiness	0.50		
Madeline	2	Unsuited		Unsuited	
		Rock fragments	1.00	Rock fragments	1.00
		Slope	0.50	Slope	0.50
		Stickiness	0.50		
184:					
Eaglelake	85	Well suited		Well suited	
Outland	5	Poorly suited		Poorly suited	
		Rock fragments	0.50	Rock fragments	0.50
Rock outcrop	5	Not rated		Not rated	
Eaglelake	5	Unsuited		Unsuited	
		Rock fragments	1.00	Rock fragments	1.00

TABLE 12.--FORESTLAND MANAGEMENT--Continued

Map symbol and soil name	Pct. of map unit	Suitability for mechanical site preparation (surface)		Suitability for mechanical site preparation (deep)	
		Rating class and limiting features	Value	Rating class and limiting features	Value
185:					
Eaglelake	50	Poorly suited		Poorly suited	
		Slope	0.50	Slope	0.50
Outland	25	Poorly suited		Poorly suited	
		Slope	0.50	Slope	0.50
		Rock fragments	0.50		
Weste	15	Unsuited		Unsuited	
		Rock fragments	1.00	Rock fragments	1.00
		Slope	0.50	Slope	0.50
Inville	5	Poorly suited		Poorly suited	
		Slope	0.50	Slope	0.50
		Rock fragments	0.50		
Outland	3	Unsuited		Unsuited	
		Rock fragments	1.00	Rock fragments	1.00
		Slope	0.50	Slope	0.50
Rock outcrop	2	Not rated		Not rated	
186:					
Eaglelake	45	Unsuited		Unsuited	
		Slope	1.00	Slope	1.00
Outland	25	Unsuited		Unsuited	
		Slope	1.00	Slope	1.00
		Rock fragments	0.50		
Weste	15	Unsuited		Unsuited	
		Slope	1.00	Slope	1.00
		Rock fragments	1.00	Rock fragments	1.00
Rubble land	5	Not rated		Not rated	
Rock outcrop	5	Not rated		Not rated	
Easte	5	Unsuited		Unsuited	
		Slope	1.00	Slope	1.00
187:					
Eaglelake	45	Poorly suited		Poorly suited	
		Slope	0.50	Slope	0.50
Outland	25	Poorly suited		Poorly suited	
		Rock fragments	0.50	Rock fragments	0.50
		Slope	0.50	Slope	0.50
Weste	15	Poorly suited		Poorly suited	
		Rock fragments	0.50	Rock fragments	0.50
		Slope	0.50	Slope	0.50

TABLE 12.--FORESTLAND MANAGEMENT--Continued

Map symbol and soil name	Pct. of map unit	Suitability for mechanical site preparation (surface)		Suitability for mechanical site preparation (deep)	
		Rating class and limiting features	Value	Rating class and limiting features	Value
Rubble land---------	5	Not rated		Not rated	
Easte---------------	4	Poorly suited		Poorly suited	
		Slope	0.50	Slope	0.50
Outland------------	3	Poorly suited		Poorly suited	
		Rock fragments	0.50	Rock fragments	0.50
		Slope	0.50	Slope	0.50
Weste---------------	3	Unsuited		Unsuited	
		Rock fragments	1.00	Rock fragments	1.00
		Slope	0.50	Slope	0.50
188:					
Eaglelake-----------	45	Unsuited		Unsuited	
		Slope	1.00	Slope	1.00
Outland------------	25	Unsuited		Unsuited	
		Slope	1.00	Slope	1.00
		Rock fragments	0.50	Rock fragments	0.50
Weste---------------	15	Unsuited		Unsuited	
		Slope	1.00	Slope	1.00
		Rock fragments	0.50	Rock fragments	0.50
Deadwood------------	8	Unsuited		Unsuited	
		Slope	1.00	Slope	1.00
Eaglelake-----------	7	Unsuited		Unsuited	
		Slope	1.00	Slope	1.00
		Rock fragments	0.50	Rock fragments	0.50
189:					
Easte---------------	55	Unsuited		Unsuited	
		Slope	1.00	Slope	1.00
Fredonyer-----------	30	Unsuited		Unsuited	
		Slope	1.00	Slope	1.00
		Rock fragments	1.00	Rock fragments	1.00
Petescreek----------	4	Unsuited		Unsuited	
		Slope	1.00	Slope	1.00
Glean---------------	3	Unsuited		Unsuited	
		Slope	1.00	Slope	1.00
		Rock fragments	1.00	Rock fragments	1.00
Said----------------	3	Unsuited		Unsuited	
		Slope	1.00	Slope	1.00
Rubble land---------	2	Not rated		Not rated	
Xerolls-------------	2	Unsuited		Unsuited	
		Slope	1.00	Slope	1.00

TABLE 12.--FORESTLAND MANAGEMENT--Continued

Map symbol and soil name	Pct. of map unit	Suitability for mechanical site preparation (surface)		Suitability for mechanical site preparation (deep)	
		Rating class and limiting features	Value	Rating class and limiting features	Value
Eaglelake family----	1	Unsuited		Unsuited	
		Slope	1.00	Slope	1.00
190:					
Easte----------	50	Poorly suited		Poorly suited	
		Slope	0.50	Slope	0.50
Roop----------	35	Unsuited		Unsuited	
		Rock fragments	1.00	Rock fragments	1.00
		Slope	0.50	Slope	0.50
Rock outcrop--------	4	Not rated		Not rated	
Outland----------	4	Poorly suited		Poorly suited	
		Rock fragments	0.50	Rock fragments	0.50
		Slope	0.50	Slope	0.50
Rubble land---------	3	Not rated		Not rated	
Roop----------	2	Unsuited		Unsuited	
		Rock fragments	1.00	Rock fragments	1.00
		Slope	0.50	Slope	0.50
Easte----------	2	Unsuited		Unsuited	
		Slope	1.00	Slope	1.00
		Rock fragments	1.00	Rock fragments	1.00
191:					
Easte----------	50	Unsuited		Unsuited	
		Slope	1.00	Slope	1.00
Roop----------	40	Unsuited		Unsuited	
		Slope	1.00	Slope	1.00
		Rock fragments	1.00	Rock fragments	1.00
Outland----------	5	Unsuited		Unsuited	
		Slope	1.00	Slope	1.00
		Rock fragments	0.50	Rock fragments	0.50
Rock outcrop--------	3	Not rated		Not rated	
Rubble land---------	2	Not rated		Not rated	
194:					
Fiddler----------	35	Poorly suited		Poorly suited	
		Rock fragments	0.50	Rock fragments	0.50
		Slope	0.50	Slope	0.50
Gavel----------	30	Poorly suited		Poorly suited	
		Slope	0.50	Slope	0.50

TABLE 12.--FORESTLAND MANAGEMENT--Continued

Map symbol and soil name	Pct. of map unit	Suitability for mechanical site preparation (surface)		Suitability for mechanical site preparation (deep)	
		Rating class and limiting features	Value	Rating class and limiting features	Value
Rubble land---------	15	Not rated		Not rated	
Devada--------------	7	Poorly suited		Poorly suited	
		Rock fragments	0.50	Rock fragments	0.50
		Slope	0.50	Slope	0.50
		Stickiness	0.50		
Orhood--------------	6	Poorly suited		Poorly suited	
		Rock fragments	0.50	Rock fragments	0.50
		Slope	0.50	Slope	0.50
Rock outcrop--------	3	Not rated		Not rated	
Whitinger-----------	2	Poorly suited		Poorly suited	
		Rock fragments	0.50	Rock fragments	0.50
		Slope	0.50	Slope	0.50
Said----------------	2	Poorly suited		Poorly suited	
		Slope	0.50	Slope	0.50
195:					
Fiddler-------------	40	Unsuited		Unsuited	
		Slope	1.00	Slope	1.00
		Rock fragments	0.50	Rock fragments	0.50
Gavel---------------	25	Unsuited		Unsuited	
		Slope	1.00	Slope	1.00
Rubble land---------	15	Not rated		Not rated	
Orhood--------------	5	Unsuited		Unsuited	
		Slope	1.00	Slope	1.00
		Rock fragments	0.50	Rock fragments	0.50
Devada--------------	5	Unsuited		Unsuited	
		Slope	1.00	Slope	1.00
		Rock fragments	0.50	Rock fragments	0.50
		Stickiness	0.50		
Rock outcrop--------	4	Not rated		Not rated	
Whitinger-----------	4	Unsuited		Unsuited	
		Slope	1.00	Slope	1.00
		Rock fragments	0.50	Rock fragments	0.50
Said----------------	2	Unsuited		Unsuited	
		Slope	1.00	Slope	1.00

TABLE 12.--FORESTLAND MANAGEMENT--Continued

Map symbol and soil name	Pct. of map unit	Suitability for mechanical site preparation (surface)		Suitability for mechanical site preparation (deep)	
		Rating class and limiting features	Value	Rating class and limiting features	Value
196:					
Fiddler	45	Poorly suited		Poorly suited	
		Rock fragments	0.50	Rock fragments	0.50
		Slope	0.50	Slope	0.50
Madeline	35	Unsuited		Unsuited	
		Rock fragments	1.00	Rock fragments	1.00
		Slope	0.50	Slope	0.50
		Stickiness	0.50		
Orhood	5	Poorly suited		Poorly suited	
		Rock fragments	0.50	Rock fragments	0.50
		Slope	0.50	Slope	0.50
Devada	5	Unsuited		Unsuited	
		Rock fragments	1.00	Rock fragments	1.00
		Slope	0.50	Slope	0.50
		Stickiness	0.50		
Rock outcrop	4	Not rated		Not rated	
Fivesprings	3	Unsuited		Unsuited	
		Rock fragments	1.00	Rock fragments	1.00
Petescreek	3	Well suited		Well suited	
197:					
Fiddler	30	Poorly suited		Poorly suited	
		Rock fragments	0.50	Rock fragments	0.50
		Slope	0.50	Slope	0.50
Orhood	30	Poorly suited		Poorly suited	
		Rock fragments	0.50	Rock fragments	0.50
Petescreek	25	Poorly suited		Poorly suited	
		Slope	0.50	Slope	0.50
Home Camp	5	Poorly suited		Poorly suited	
		Rock fragments	0.50	Rock fragments	0.50
Fredonyer	4	Unsuited		Unsuited	
		Rock fragments	1.00	Rock fragments	1.00
		Slope	0.50	Slope	0.50
Buckbay	3	Poorly suited		Poorly suited	
		Slope	0.50	Slope	0.50
Badenaugh	3	Poorly suited		Poorly suited	
		Rock fragments	0.50	Rock fragments	0.50
207:					
Forgay	85	Poorly suited		Well suited	
		Rock fragments	0.50		
Mountmed, clay loam-	8	Well suited		Well suited	

TABLE 12.--FORESTLAND MANAGEMENT--Continued

Map symbol and soil name	Pct. of map unit	Suitability for mechanical site preparation (surface)		Suitability for mechanical site preparation (deep)	
		Rating class and limiting features	Value	Rating class and limiting features	Value
Urban land----------	7	Not rated		Not rated	
208:					
Forgay----------	80	Poorly suited		Well suited	
		Rock fragments	0.50		
Urban land----------	5	Not rated		Not rated	
Forgay----------	5	Poorly suited		Poorly suited	
		Rock fragments	0.50	Rock fragments	0.50
Riverwash, extremely gravelly coarse sand----------	5	Not rated		Not rated	
Fluvents----------	5	Well suited		Well suited	
211:					
Fraval----------	40	Poorly suited		Poorly suited	
		Slope	0.50	Slope	0.50
Fredonyer----------	25	Poorly suited		Poorly suited	
		Rock fragments	0.50	Rock fragments	0.50
		Slope	0.50	Slope	0.50
Said----------	20	Poorly suited		Poorly suited	
		Slope	0.50	Slope	0.50
Keddie, loam--------	3	Well suited		Well suited	
Rubble land---------	2	Not rated		Not rated	
Rock outcrop--------	2	Not rated		Not rated	
Searles, very stony loam----------	2	Unsuited		Unsuited	
		Rock fragments	1.00	Rock fragments	1.00
		Slope	0.50	Slope	0.50
Petescreek, gravelly loam----------	2	Poorly suited		Poorly suited	
		Rock fragments	0.50	Rock fragments	0.50
		Slope	0.50	Slope	0.50
Ninemile, very stony loam----------	2	Unsuited		Unsuited	
		Rock fragments	1.00	Rock fragments	1.00
		Stickiness	0.50		

TABLE 12.--FORESTLAND MANAGEMENT--Continued

Map symbol and soil name	Pct. of map unit	Suitability for mechanical site preparation (surface)		Suitability for mechanical site preparation (deep)	
		Rating class and limiting features	Value	Rating class and limiting features	Value
Orhood, very stony sandy loam---------	2	Poorly suited		Poorly suited	
		Rock fragments	0.50	Rock fragments	0.50
		Slope	0.50	Slope	0.50
212:					
Fraval----------	60	Poorly suited		Poorly suited	
		Slope	0.50	Slope	0.50
Said----------	30	Poorly suited		Poorly suited	
		Slope	0.50	Slope	0.50
Rock outcrop--------	5	Not rated		Not rated	
Fredonyer, very stony loam---------	3	Poorly suited		Poorly suited	
		Rock fragments	0.50	Rock fragments	0.50
		Slope	0.50	Slope	0.50
Ninemile, very stony loam----------	2	Unsuited		Unsuited	
		Rock fragments	1.00	Rock fragments	1.00
		Stickiness	0.50		
213:					
Fredonyer----------	45	Unsuited		Unsuited	
		Slope	1.00	Slope	1.00
		Rock fragments	0.50	Rock fragments	0.50
Whitinger----------	25	Unsuited		Unsuited	
		Slope	1.00	Slope	1.00
		Rock fragments	0.50	Rock fragments	0.50
Orhood----------	15	Unsuited		Unsuited	
		Slope	1.00	Slope	1.00
		Rock fragments	0.50	Rock fragments	0.50
Badenaugh, stony sandy loam---------	3	Unsuited		Unsuited	
		Slope	1.00	Slope	1.00
		Rock fragments	0.50	Rock fragments	0.50
Rubble land---------	2	Not rated		Not rated	
Rock outcrop--------	2	Not rated		Not rated	
Searles, very stony loam----------	2	Unsuited		Unsuited	
		Slope	1.00	Slope	1.00
		Rock fragments	1.00	Rock fragments	1.00

TABLE 12.--FORESTLAND MANAGEMENT--Continued

Map symbol and soil name	Pct. of map unit	Suitability for mechanical site preparation (surface)		Suitability for mechanical site preparation (deep)	
		Rating class and limiting features	Value	Rating class and limiting features	Value
Petescreek, very gravelly loam------	2	Poorly suited Slope	 0.50	Poorly suited Slope	 0.50
Hapgood, stony loam-	2	Poorly suited Rock fragments Slope	 0.50 0.50	Poorly suited Rock fragments Slope	 0.50 0.50
Fiddler, very stony loam---------------	2	Unsuited Slope Rock fragments	 1.00 0.50	Unsuited Slope Rock fragments	 1.00 0.50
218:					
Gavel---------------	85	Poorly suited Rock fragments Slope	 0.50 0.50	Poorly suited Rock fragments Slope	 0.50 0.50
Devada, very cobbly loam---------------	8	Poorly suited Rock fragments Slope Stickiness	 0.50 0.50 0.50	Poorly suited Rock fragments Slope	 0.50 0.50
Searles, very stony loam---------------	7	Unsuited Rock fragments Slope	 1.00 0.50	Unsuited Rock fragments Slope	 1.00 0.50
219:					
Gavel---------------	55	Unsuited Slope Rock fragments	 1.00 1.00	Unsuited Slope Rock fragments	 1.00 1.00
Devada---------------	35	Unsuited Slope Rock fragments Stickiness	 1.00 0.50 0.50	Unsuited Slope Rock fragments	 1.00 0.50
Devada, very cobbly loam---------------	10	Unsuited Slope Rock fragments Stickiness	 1.00 0.50 0.50	Unsuited Slope Rock fragments	 1.00 0.50
223:					
Gerle---------------	90	Well suited		Well suited	
Gerle, gravelly sandy loam---------	5	Well suited		Well suited	
Gerle---------------	5	Poorly suited Rock fragments	 0.50	Poorly suited Rock fragments	 0.50
224:					
Gerle---------------	85	Unsuited Slope	 1.00	Unsuited Slope	 1.00

TABLE 12.--FORESTLAND MANAGEMENT--Continued

Map symbol and soil name	Pct. of map unit	Suitability for mechanical site preparation (surface)		Suitability for mechanical site preparation (deep)	
		Rating class and limiting features	Value	Rating class and limiting features	Value
Gerle	5	Unsuited		Unsuited	
		Rock fragments	1.00	Slope	1.00
		Slope	1.00	Rock fragments	0.50
Rock outcrop	5	Not rated		Not rated	
Mottsville, gravelly loamy coarse sand	5	Unsuited		Unsuited	
		Slope	1.00	Slope	1.00
225:					
Gerle	50	Unsuited		Unsuited	
		Slope	1.00	Slope	1.00
		Rock fragments	1.00	Rock fragments	1.00
Gerle	25	Unsuited		Unsuited	
		Slope	1.00	Slope	1.00
Gerle	15	Unsuited		Unsuited	
		Slope	1.00	Slope	1.00
Rock outcrop	10	Not rated		Not rated	
232:					
Hangtown	75	Unsuited		Unsuited	
		Slope	1.00	Slope	1.00
		Rock fragments	0.50	Rock fragments	0.50
Hangtown	5	Unsuited		Unsuited	
		Rock fragments	1.00	Slope	1.00
		Slope	1.00	Rock fragments	0.50
Rock outcrop	5	Not rated		Not rated	
Penstock	5	Unsuited		Unsuited	
		Slope	1.00	Slope	1.00
		Rock fragments	0.50	Rock fragments	0.50
Scaribou, stony loam	5	Unsuited		Unsuited	
		Slope	1.00	Slope	1.00
		Rock fragments	0.50	Rock fragments	0.50
Deadwood, very gravelly sandy loam	5	Unsuited		Unsuited	
		Slope	1.00	Slope	1.00
256:					
Indiano	45	Unsuited		Unsuited	
		Slope	1.00	Slope	1.00
		Rock fragments	0.50	Rock fragments	0.50

TABLE 12.--FORESTLAND MANAGEMENT--Continued

Map symbol and soil name	Pct. of map unit	Suitability for mechanical site preparation (surface)		Suitability for mechanical site preparation (deep)	
		Rating class and limiting features	Value	Rating class and limiting features	Value
Zephan	30	Unsuited		Unsuited	
		Slope	1.00	Slope	1.00
		Rock fragments	0.50	Rock fragments	0.50
		Stickiness	0.50		
Duco	15	Unsuited		Unsuited	
		Slope	1.00	Slope	1.00
		Rock fragments	0.50	Rock fragments	0.50
Barnard, stony sandy loam	2	Poorly suited		Poorly suited	
		Rock fragments	0.50	Rock fragments	0.50
		Stickiness	0.50	Restrictive layer	0.50
Graufels, bouldery sand	2	Unsuited		Unsuited	
		Slope	1.00	Slope	1.00
		Rock fragments	1.00	Rock fragments	0.50
Glenbrook	2	Unsuited		Unsuited	
		Slope	1.00	Slope	1.00
Glean, very stony loam	2	Unsuited		Unsuited	
		Slope	1.00	Slope	1.00
		Rock fragments	1.00	Rock fragments	1.00
Corral, very cobbly loam	2	Unsuited		Unsuited	
		Slope	1.00	Slope	1.00
		Rock fragments	0.50	Rock fragments	0.50
257:					
Inville	85	Poorly suited		Well suited	
		Rock fragments	0.50		
Mountmed, clay loam	8	Well suited		Well suited	
Swainow, very gravelly sandy loam	7	Well suited		Well suited	
259:					
Jauriga	40	Well suited		Well suited	
Buckbay	25	Well suited		Well suited	
Fredonyer	20	Unsuited		Unsuited	
		Rock fragments	1.00	Rock fragments	1.00
		Slope	0.50	Slope	0.50
Rubble land	5	Not rated		Not rated	
Rock outcrop	5	Not rated		Not rated	

TABLE 12.--FORESTLAND MANAGEMENT--Continued

Map symbol and soil name	Pct. of map unit	Suitability for mechanical site preparation (surface)		Suitability for mechanical site preparation (deep)	
		Rating class and limiting features	Value	Rating class and limiting features	Value
Petescreek, gravelly loam	5	Poorly suited		Poorly suited	
		Rock fragments	0.50	Rock fragments	0.50
		Slope	0.50	Slope	0.50
266:					
Lasco	90	Well suited		Well suited	
Lasco	5	Poorly suited		Poorly suited	
		Rock fragments	0.50	Rock fragments	0.50
Scaribou, very gravelly loam	5	Well suited		Well suited	
267:					
Lasco	95	Unsuited		Unsuited	
		Slope	1.00	Slope	1.00
Bonta, gravelly sandy loam	5	Unsuited		Unsuited	
		Slope	1.00	Slope	1.00
268:					
Lasco	90	Poorly suited		Poorly suited	
		Slope	0.50	Slope	0.50
Waterman	5	Unsuited		Poorly suited	
		Rock fragments	1.00	Rock fragments	0.50
		Slope	0.50	Slope	0.50
Dotta, gravelly loam	5	Well suited		Well suited	
269:					
Lasco	65	Poorly suited		Poorly suited	
		Slope	0.50	Slope	0.50
Bonta	25	Poorly suited		Poorly suited	
		Slope	0.50	Slope	0.50
Chirpchatter, sandy loam	4	Well suited		Well suited	
Chimney, gravelly loamy coarse sand	3	Poorly suited		Poorly suited	
		Slope	0.50	Slope	0.50
Cagwin	3	Poorly suited		Poorly suited	
		Slope	0.50	Slope	0.50
298:					
Ninemile	30	Unsuited		Unsuited	
		Rock fragments	1.00	Rock fragments	1.00
		Stickiness	0.50		
Petescreek	30	Well suited		Well suited	

TABLE 12.--FORESTLAND MANAGEMENT--Continued

Map symbol and soil name	Pct. of map unit	Suitability for mechanical site preparation (surface)		Suitability for mechanical site preparation (deep)	
		Rating class and limiting features	Value	Rating class and limiting features	Value
Fiddler----------	25	Poorly suited		Poorly suited	
		Rock fragments	0.50	Rock fragments	0.50
		Slope	0.50	Slope	0.50
Rock outcrop--------	5	Not rated		Not rated	
Fredonyer, very stony loam---------	5	Poorly suited		Poorly suited	
		Rock fragments	0.50	Rock fragments	0.50
		Slope	0.50	Slope	0.50
Devada, very stony loam----------	5	Unsuited		Unsuited	
		Rock fragments	1.00	Rock fragments	1.00
		Slope	0.50	Slope	0.50
		Stickiness	0.50		
299:					
Ninemile----------	50	Poorly suited		Poorly suited	
		Rock fragments	0.50	Rock fragments	0.50
		Stickiness	0.50		
Weste----------	35	Well suited		Well suited	
Mountmed, clay loam-	8	Well suited		Well suited	
Rock outcrop--------	7	Not rated		Not rated	
302:					
Orhood----------	80	Poorly suited		Poorly suited	
		Rock fragments	0.50	Rock fragments	0.50
Incy, fine sand-----	8	Well suited		Well suited	
Searles, very stony loam----------	6	Unsuited		Unsuited	
		Rock fragments	1.00	Rock fragments	1.00
Puls, very stony loam----------	6	Unsuited		Unsuited	
		Rock fragments	1.00	Restrictive layer	1.00
		Stickiness	0.50	Rock fragments	1.00
304:					
Outland----------	75	Unsuited		Unsuited	
		Slope	1.00	Slope	1.00
		Rock fragments	1.00	Rock fragments	1.00
Rock outcrop--------	10	Not rated		Not rated	
Rubble land---------	10	Not rated		Not rated	

TABLE 12.--FORESTLAND MANAGEMENT--Continued

Map symbol and soil name	Pct. of map unit	Suitability for mechanical site preparation (surface)		Suitability for mechanical site preparation (deep)	
		Rating class and limiting features	Value	Rating class and limiting features	Value
Eaglelake, very gravelly loam------	5	Unsuited Slope	 1.00	Unsuited Slope	 1.00
305:					
Outland----------	60	Well suited		Well suited	
Outland----------	30	Unsuited Rock fragments Slope	 1.00 0.50	Unsuited Rock fragments Slope	 1.00 0.50
Eaglelake, very gravelly loam------	5	Poorly suited Slope	 0.50	Poorly suited Slope	 0.50
Rock outcrop--------	5	Not rated		Not rated	
306:					
Outland----------	60	Poorly suited Rock fragments Slope	 0.50 0.50	Poorly suited Rock fragments Slope	 0.50 0.50
Penstock----------	25	Poorly suited Slope	 0.50	Poorly suited Slope	 0.50
Deadwood, very gravelly sandy loam	8	Poorly suited Slope	 0.50	Poorly suited Slope	 0.50
Easte, very gravelly sandy loam---------	7	Poorly suited Slope	 0.50	Poorly suited Slope	 0.50
307:					
Outland----------	60	Unsuited Slope Rock fragments	 1.00 0.50	Unsuited Slope Rock fragments	 1.00 0.50
Penstock----------	25	Unsuited Slope	 1.00	Unsuited Slope	 1.00
Fiddler, very stony loam----------	8	Unsuited Slope	 1.00	Unsuited Slope	 1.00
Easte, deep to bedrock----------	7	Unsuited Slope	 1.00	Unsuited Slope	 1.00
308:					
Papeek----------	85	Poorly suited Slope	 0.50	Poorly suited Slope	 0.50

TABLE 12.--FORESTLAND MANAGEMENT--Continued

Map symbol and soil name	Pct. of map unit	Suitability for mechanical site preparation (surface)		Suitability for mechanical site preparation (deep)	
		Rating class and limiting features	Value	Rating class and limiting features	Value
Ulhalf, very gravelly sandy loam	8	Unsuited		Unsuited	
		Rock fragments	1.00	Rock fragments	1.00
		Slope	0.50	Slope	0.50
Papeek, clay loam---	7	Poorly suited		Poorly suited	
		Slope	0.50	Slope	0.50
309:					
Papeek----------	95	Unsuited		Unsuited	
		Slope	1.00	Slope	1.00
Deadwood, very gravelly sandy loam	5	Unsuited		Unsuited	
		Slope	1.00	Slope	1.00
310:					
Penstock----------	65	Poorly suited		Poorly suited	
		Slope	0.50	Slope	0.50
Deadwood----------	25	Poorly suited		Poorly suited	
		Slope	0.50	Slope	0.50
Rock outcrop--------	5	Not rated		Not rated	
Scaribou, very gravelly loam------	5	Poorly suited		Poorly suited	
		Slope	0.50	Slope	0.50
311:					
Penstock----------	50	Unsuited		Unsuited	
		Slope	1.00	Slope	1.00
Deadwood----------	20	Unsuited		Unsuited	
		Slope	1.00	Slope	1.00
Rock outcrop--------	15	Not rated		Not rated	
Weste, very gravelly sandy loam--------	8	Unsuited		Unsuited	
		Slope	1.00	Slope	1.00
Tahand----------	7	Unsuited		Unsuited	
		Slope	1.00	Slope	1.00
		Rock fragments	1.00	Rock fragments	1.00
312:					
Penstock----------	50	Poorly suited		Poorly suited	
		Rock fragments	0.50	Rock fragments	0.50
		Slope	0.50	Slope	0.50

TABLE 12.--FORESTLAND MANAGEMENT--Continued

Map symbol and soil name	Pct. of map unit	Suitability for mechanical site preparation (surface)		Suitability for mechanical site preparation (deep)	
		Rating class and limiting features	Value	Rating class and limiting features	Value
Scaribou, stony loam	40	Poorly suited		Poorly suited	
		Rock fragments	0.50	Rock fragments	0.50
		Slope	0.50	Slope	0.50
Inville, very gravelly loam------	5	Well suited		Well suited	
Aquolls, gravelly sandy loam---------	5	Poorly suited		Unsuited	
		Wetness	0.50	Wetness	1.00
313:					
Penstock----------	45	Unsuited		Unsuited	
		Slope	1.00	Slope	1.00
		Rock fragments	0.50	Rock fragments	0.50
Scaribou, stony loam	40	Unsuited		Unsuited	
		Slope	1.00	Slope	1.00
		Rock fragments	0.50	Rock fragments	0.50
Deadwood, very gravelly sandy loam	8	Unsuited		Unsuited	
		Slope	1.00	Slope	1.00
Rock outcrop--------	7	Not rated		Not rated	
321:					
Petescreek----------	35	Poorly suited		Poorly suited	
		Rock fragments	0.50	Rock fragments	0.50
		Slope	0.50	Slope	0.50
Orhood----------	25	Poorly suited		Poorly suited	
		Rock fragments	0.50	Rock fragments	0.50
		Slope	0.50	Slope	0.50
Fredonyer----------	20	Unsuited		Unsuited	
		Rock fragments	1.00	Rock fragments	1.00
		Slope	0.50	Slope	0.50
Searles, very cobbly loam----------	4	Poorly suited		Poorly suited	
		Rock fragments	0.50	Rock fragments	0.50
		Slope	0.50	Slope	0.50
Easte, very gravelly sandy loam---------	4	Poorly suited		Poorly suited	
		Slope	0.50	Slope	0.50
Indiano, stony fine sandy loam---------	4	Poorly suited		Poorly suited	
		Rock fragments	0.50	Rock fragments	0.50
		Slope	0.50	Slope	0.50

TABLE 12.--FORESTLAND MANAGEMENT--Continued

Map symbol and soil name	Pct. of map unit	Suitability for mechanical site preparation (surface)		Suitability for mechanical site preparation (deep)	
		Rating class and limiting features	Value	Rating class and limiting features	Value
Glean, very stony loam	4	Unsuited		Unsuited	
		Rock fragments	1.00	Rock fragments	1.00
		Slope	0.50	Slope	0.50
Alomax, very stony sandy loam	4	Unsuited		Unsuited	
		Rock fragments	1.00	Rock fragments	1.00
		Slope	0.50	Slope	0.50
323:					
Petescreek	45	Poorly suited		Poorly suited	
		Slope	0.50	Slope	0.50
Searles	25	Poorly suited		Poorly suited	
		Rock fragments	0.50	Rock fragments	0.50
		Slope	0.50	Slope	0.50
Orhood	20	Poorly suited		Poorly suited	
		Rock fragments	0.50	Rock fragments	0.50
		Slope	0.50	Slope	0.50
Fredonyer, very stony loam	10	Unsuited		Unsuited	
		Rock fragments	1.00	Rock fragments	1.00
		Slope	0.50	Slope	0.50
332:					
Quartzburg	60	Unsuited		Unsuited	
		Slope	1.00	Slope	1.00
		Rock fragments	0.50	Rock fragments	0.50
Scaribou	30	Unsuited		Unsuited	
		Slope	1.00	Slope	1.00
Rubble land	5	Not rated		Not rated	
Rock outcrop	5	Not rated		Not rated	
337:					
Redriver	45	Poorly suited		Well suited	
		Rock fragments	0.50		
Gerle	35	Well suited		Well suited	
Inville, very gravelly loam	10	Well suited		Well suited	
Forgay, extremely gravelly sandy loam	10	Poorly suited		Well suited	
		Rock fragments	0.50		

TABLE 12.--FORESTLAND MANAGEMENT--Continued

Map symbol and soil name	Pct. of map unit	Suitability for mechanical site preparation (surface)		Suitability for mechanical site preparation (deep)	
		Rating class and limiting features	Value	Rating class and limiting features	Value
338:					
Redriver	50	Poorly suited Rock fragments	 0.50	Well suited	
Weste	30	Well suited		Well suited	
Woodwest, very stony sandy loam	5	Poorly suited Rock fragments	 0.50	Poorly suited Rock fragments	 0.50
Swainow, very gravelly sandy loam	5	Well suited		Well suited	
Keddie, loam	5	Well suited		Well suited	
Inville, very gravelly loam	5	Well suited		Well suited	
339:					
Redriver, stony sandy loam	50	Poorly suited Rock fragments	 0.50	Poorly suited Rock fragments	 0.50
Woodwest	20	Poorly suited Rock fragments	 0.50	Poorly suited Rock fragments	 0.50
Wafla	15	Well suited		Well suited	
Inville, very gravelly loam	8	Well suited		Well suited	
Rock outcrop	7	Not rated		Not rated	
343:					
Rubble land	60	Not rated		Not rated	
Fiddler	25	Poorly suited Slope Rock fragments	 0.50 0.50	Poorly suited Slope Rock fragments	 0.50 0.50
Orhood, very stony loam	8	Poorly suited Slope Rock fragments	 0.50 0.50	Poorly suited Slope Rock fragments	 0.50 0.50
Rock outcrop	7	Not rated		Not rated	
346:					
Rubble land	60	Not rated		Not rated	

TABLE 12.--FORESTLAND MANAGEMENT--Continued

Map symbol and soil name	Pct. of map unit	Suitability for mechanical site preparation (surface)		Suitability for mechanical site preparation (deep)	
		Rating class and limiting features	Value	Rating class and limiting features	Value
Weste	20	Unsuited		Unsuited	
		Rock fragments	1.00	Rock fragments	1.00
		Slope	0.50	Slope	0.50
Gavel	5	Poorly suited		Poorly suited	
		Rock fragments	0.50	Rock fragments	0.50
		Slope	0.50	Slope	0.50
Easte, gravelly loam	7	Poorly suited		Poorly suited	
		Slope	0.50	Slope	0.50
Scaribou, very gravelly loam	3	Poorly suited		Poorly suited	
		Slope	0.50	Slope	0.50
Outland, very stony loam	3	Unsuited		Unsuited	
		Slope	1.00	Slope	1.00
		Rock fragments	0.50	Rock fragments	0.50
Rock outcrop	2	Not rated		Not rated	
351:					
Said	85	Poorly suited		Poorly suited	
		Slope	0.50	Slope	0.50
Fredonyer, very stony loam	5	Unsuited		Unsuited	
		Rock fragments	1.00	Rock fragments	1.00
		Slope	0.50	Slope	0.50
Easte, very gravelly sandy loam	5	Poorly suited		Poorly suited	
		Slope	0.50	Slope	0.50
Ninemile, very cobbly loam	3	Poorly suited		Well suited	
		Rock fragments	0.50		
		Stickiness	0.50		
Petescreek, gravelly loam	2	Poorly suited		Poorly suited	
		Slope	0.50	Slope	0.50
352:					
Said	50	Unsuited		Unsuited	
		Slope	1.00	Slope	1.00
Fraval	35	Unsuited		Unsuited	
		Slope	1.00	Slope	1.00
		Rock fragments	0.50		
Easte, very gravelly sandy loam	8	Unsuited		Unsuited	
		Slope	1.00	Slope	1.00

TABLE 12.--FORESTLAND MANAGEMENT--Continued

Map symbol and soil name	Pct. of map unit	Suitability for mechanical site preparation (surface)		Suitability for mechanical site preparation (deep)	
		Rating class and limiting features	Value	Rating class and limiting features	Value
Deadwood family, very gravelly sandy loam	7	Poorly suited Slope	 0.50	Poorly suited Slope	 0.50
353:					
Said	60	Poorly suited Slope	 0.50	Poorly suited Slope	 0.50
Ninemile	25	Poorly suited Rock fragments Stickiness	 0.50 0.50	Well suited	
Rock outcrop	5	Not rated		Not rated	
Fredonyer, very stony loam	5	Unsuited Rock fragments Slope	 1.00 0.50	Unsuited Rock fragments Slope	 1.00 0.50
Eaglelake, very gravelly loam	5	Well suited		Well suited	
354:					
Scaribou	85	Poorly suited Slope	 0.50	Poorly suited Slope	 0.50
Scaribou, stony loam	8	Poorly suited Rock fragments Slope	 0.50 0.50	Poorly suited Rock fragments Slope	 0.50 0.50
Penstock	7	Poorly suited Rock fragments	 0.50	Poorly suited Rock fragments	 0.50
355:					
Scaribou	55	Unsuited Slope Rock fragments	 1.00 1.00	Unsuited Slope Rock fragments	 1.00 1.00
Penstock	20	Unsuited Slope	 1.00	Unsuited Slope	 1.00
Rock outcrop	15	Not rated		Not rated	
Rubble land	5	Not rated		Not rated	
Deadwood, very gravelly sandy loam	5	Unsuited Slope	 1.00	Unsuited Slope	 1.00

TABLE 12.--FORESTLAND MANAGEMENT--Continued

Map symbol and soil name	Pct. of map unit	Suitability for mechanical site preparation (surface)		Suitability for mechanical site preparation (deep)	
		Rating class and limiting features	Value	Rating class and limiting features	Value
360:					
Searles	35	Poorly suited		Poorly suited	
		Rock fragments	0.50	Rock fragments	0.50
		Slope	0.50	Slope	0.50
Orhood	30	Poorly suited		Poorly suited	
		Rock fragments	0.50	Rock fragments	0.50
		Slope	0.50	Slope	0.50
Devada	20	Poorly suited		Poorly suited	
		Rock fragments	0.50	Rock fragments	0.50
		Slope	0.50	Slope	0.50
		Stickiness	0.50		
Bucklake, very stony loam	4	Unsuited		Unsuited	
		Rock fragments	1.00	Rock fragments	1.00
		Slope	0.50	Slope	0.50
Fiddler, very stony loam	4	Unsuited		Unsuited	
		Rock fragments	1.00	Rock fragments	1.00
		Slope	0.50	Slope	0.50
Fivesprings, very stony loam	3	Unsuited		Unsuited	
		Rock fragments	1.00	Rock fragments	1.00
		Slope	0.50	Slope	0.50
Rock outcrop	2	Not rated		Not rated	
Xerolls, loamy coarse sand	2	Well suited		Well suited	
364:					
Southpac	85	Unsuited		Unsuited	
		Slope	1.00	Slope	1.00
		Rock fragments	1.00	Rock fragments	1.00
Rock outcrop	8	Not rated		Not rated	
Riverwash	4	Not rated		Not rated	
Keddie, loam	3	Well suited		Well suited	
373:					
Swainow	40	Poorly suited		Poorly suited	
		Rock fragments	0.50	Rock fragments	0.50
		Slope	0.50	Slope	0.50
Almanor	30	Poorly suited		Poorly suited	
		Rock fragments	0.50	Rock fragments	0.50
		Slope	0.50	Slope	0.50

TABLE 12.--FORESTLAND MANAGEMENT--Continued

Map symbol and soil name	Pct. of map unit	Suitability for mechanical site preparation (surface)		Suitability for mechanical site preparation (deep)	
		Rating class and limiting features	Value	Rating class and limiting features	Value
Tahand	20	Poorly suited Slope	 0.50	Poorly suited Slope	 0.50
Whorled, very gravelly sandy loam	10	Poorly suited Slope	 0.50	Poorly suited Slope	 0.50
374:					
Swainow, very stony sandy loam	65	Unsuited Rock fragments Slope	 1.00 0.50	Unsuited Rock fragments Slope	 1.00 0.50
Almanor	20	Unsuited Rock fragments Slope	 1.00 0.50	Unsuited Rock fragments Slope	 1.00 0.50
Keddie, loam	3	Well suited		Well suited	
Almanor, very gravelly sandy loam	3	Unsuited Rock fragments Slope	 1.00 0.50	Unsuited Rock fragments Slope	 1.00 0.50
Rock outcrop	3	Not rated		Not rated	
Whorled, very gravelly sandy loam	4	Poorly suited Slope	 0.50	Poorly suited Slope	 0.50
Tahand	2	Unsuited Rock fragments Slope	 1.00 0.50	Unsuited Rock fragments Slope	 1.00 0.50
375:					
Swainow	50	Well suited		Well suited	
Redriver	35	Poorly suited Rock fragments	 0.50	Well suited	
Rubble land	5	Not rated		Not rated	
Redriver	5	Poorly suited Rock fragments	 0.50	Poorly suited Rock fragments	 0.50
Woodwest, very stony sandy loam	5	Poorly suited Rock fragments	 0.50	Poorly suited Rock fragments	 0.50
376:					
Swainow	55	Unsuited Slope Rock fragments	 1.00 1.00	Unsuited Slope Rock fragments	 1.00 1.00

TABLE 12.--FORESTLAND MANAGEMENT--Continued

Map symbol and soil name	Pct. of map unit	Suitability for mechanical site preparation (surface)		Suitability for mechanical site preparation (deep)	
		Rating class and limiting features	Value	Rating class and limiting features	Value
Tahand----------	35	Unsuited		Unsuited	
		Slope	1.00	Slope	1.00
		Rock fragments	1.00	Rock fragments	1.00
Urban land----------	5	Not rated		Not rated	
Baileycreek, very bouldery loam------	5	Unsuited		Unsuited	
		Slope	1.00	Slope	1.00
		Rock fragments	1.00	Rock fragments	1.00
377:					
Tahand----------	45	Poorly suited		Poorly suited	
		Slope	0.50	Slope	0.50
Baileycreek---------	35	Poorly suited		Poorly suited	
		Slope	0.50	Slope	0.50
Rock outcrop--------	5	Not rated		Not rated	
Baileycreek, very stony loam---------	5	Unsuited		Unsuited	
		Rock fragments	1.00	Rock fragments	1.00
		Slope	0.50	Slope	0.50
Weste, very stony sandy loam---------	5	Unsuited		Unsuited	
		Rock fragments	1.00	Rock fragments	1.00
		Slope	0.50	Slope	0.50
Redriver, very gravelly sandy loam	5	Poorly suited		Well suited	
		Rock fragments	0.50		
378:					
Tahand----------	35	Well suited		Well suited	
Swainow----------	30	Poorly suited		Poorly suited	
		Rock fragments	0.50	Rock fragments	0.50
Almanor----------	20	Poorly suited		Well suited	
		Rock fragments	0.50		
Rock outcrop--------	5	Not rated		Not rated	
Woodwest, very stony sandy loam---------	5	Poorly suited		Poorly suited	
		Rock fragments	0.50	Rock fragments	0.50
Keddie, loam--------	5	Well suited		Well suited	

TABLE 12.--FORESTLAND MANAGEMENT--Continued

Map symbol and soil name	Pct. of map unit	Suitability for mechanical site preparation (surface)		Suitability for mechanical site preparation (deep)	
		Rating class and limiting features	Value	Rating class and limiting features	Value
382:					
Toiyabe	50	Unsuited		Unsuited	
		Slope	1.00	Slope	1.00
Lasco	20	Unsuited		Unsuited	
		Slope	1.00	Slope	1.00
Quartzburg	15	Unsuited		Unsuited	
		Slope	1.00	Slope	1.00
		Rock fragments	0.50	Rock fragments	0.50
Rock outcrop	5	Not rated		Not rated	
Toiyabe	5	Unsuited		Unsuited	
		Rock fragments	1.00	Slope	1.00
		Slope	1.00	Rock fragments	0.50
Outland, very stony loam	5	Unsuited		Unsuited	
		Slope	1.00	Slope	1.00
		Rock fragments	0.50	Rock fragments	0.50
383:					
Toiyabe	55	Poorly suited		Poorly suited	
		Slope	0.50	Slope	0.50
Lasco	30	Poorly suited		Poorly suited	
		Slope	0.50	Slope	0.50
Bonta, coarse sandy loam	8	Well suited		Well suited	
Toiyabe	7	Unsuited		Poorly suited	
		Rock fragments	1.00	Slope	0.50
		Slope	0.50	Rock fragments	0.50
391:					
Ulhalf	85	Unsuited		Unsuited	
		Slope	1.00	Slope	1.00
Inville, very gravelly loam	8	Well suited		Well suited	
Southpac, very stony loam	7	Unsuited		Unsuited	
		Slope	1.00	Slope	1.00
		Rock fragments	1.00	Rock fragments	1.00
392:					
Ulhalf	90	Well suited		Well suited	
Deadwood, very gravelly sandy loam	5	Well suited		Well suited	
Penstock	5	Well suited		Well suited	

TABLE 12.--FORESTLAND MANAGEMENT--Continued

Map symbol and soil name	Pct. of map unit	Suitability for mechanical site preparation (surface)		Suitability for mechanical site preparation (deep)	
		Rating class and limiting features	Value	Rating class and limiting features	Value
393:					
Ulhalf	60	Unsuited		Unsuited	
		Rock fragments	1.00	Rock fragments	1.00
Gavel	30	Poorly suited		Well suited	
		Rock fragments	0.50		
Southpac, very stony loam	10	Unsuited		Unsuited	
		Rock fragments	1.00	Rock fragments	1.00
394:					
Ulhalf	60	Well suited		Well suited	
Southpac	30	Unsuited		Unsuited	
		Rock fragments	1.00	Rock fragments	1.00
		Slope	0.50	Slope	0.50
Rock outcrop	10	Not rated		Not rated	
398:					
Weste	35	Unsuited		Unsuited	
		Rock fragments	1.00	Rock fragments	1.00
		Slope	0.50	Slope	0.50
Baileycreek	30	Unsuited		Unsuited	
		Rock fragments	1.00	Rock fragments	1.00
		Slope	0.50	Slope	0.50
Tahand	20	Unsuited		Unsuited	
		Rock fragments	1.00	Rock fragments	1.00
		Slope	0.50	Slope	0.50
Rubble land	8	Not rated		Not rated	
Rock outcrop	7	Not rated		Not rated	
399:					
Weste	65	Unsuited		Unsuited	
		Slope	1.00	Slope	1.00
Rock outcrop	15	Not rated		Not rated	
Swainow, stony sandy loam	10	Unsuited		Unsuited	
		Slope	1.00	Slope	1.00
		Rock fragments	0.50	Rock fragments	0.50

TABLE 12.--FORESTLAND MANAGEMENT--Continued

Map symbol and soil name	Pct. of map unit	Suitability for mechanical site preparation (surface)		Suitability for mechanical site preparation (deep)	
		Rating class and limiting features	Value	Rating class and limiting features	Value
Woodwest, very stony sandy loam---------	10	Poorly suited Rock fragments	 0.50	Poorly suited Rock fragments	 0.50
400:					
Whitinger----------	45	Poorly suited Rock fragments Slope	 0.50 0.50	Poorly suited Rock fragments Slope	 0.50 0.50
Devada----------	35	Poorly suited Rock fragments Slope Stickiness	 0.50 0.50 0.50	Poorly suited Rock fragments Slope	 0.50 0.50
Rubble land---------	5	Not rated		Not rated	
Rock outcrop--------	5	Not rated		Not rated	
Jauriga, gravelly loam----------	5	Well suited		Well suited	
Buckbay, gravelly loam----------	5	Poorly suited Slope	 0.50	Poorly suited Slope	 0.50
401:					
Whorled----------	45	Poorly suited Slope	 0.50	Poorly suited Slope	 0.50
Almanor----------	35	Poorly suited Slope Rock fragments	 0.50 0.50	Poorly suited Slope	 0.50
Tahand----------	8	Unsuited Rock fragments Slope	 1.00 0.50	Unsuited Rock fragments Slope	 1.00 0.50
Whorled----------	7	Poorly suited Slope Rock fragments	 0.50 0.50	Poorly suited Slope Rock fragments	 0.50 0.50
Rock outcrop--------	5	Not rated		Not rated	

TABLE 13.--FORESTLAND MANAGEMENT

(The information in this table indicates the dominant soil condition but does not eliminate the need for onsite investigation. The numbers in the value columns range from 0.01 to 1.00. The larger the value, the greater the limitation. See text for further explanation of ratings in this table.)

Map symbol and soil name	Pct. of map unit	Potential for damage to soil by fire		Potential for seedling mortality	
		Rating class and limiting features	Value	Rating class and limiting features	Value
101:					
Almanor	40	Low		High Available water	1.00
Whorled	35	Low		High Available water	1.00
Inville	20	Low		High Available water	1.00
Tahand	5	Low		Moderate Available water	0.50
111:					
Baileycreek	45	Moderate Texture/coarse fragments	0.50	High Available water	1.00
Weste	35	Moderate Texture/coarse fragments	0.50	High Available water	1.00
Inville	10	Low		High Available water	1.00
Weste	5	Moderate Texture/coarse fragments	0.50	High Available water	1.00
Baileycreek	5	Moderate Texture/coarse fragments	0.50	High Available water	1.00
112:					
Baileycreek	50	Moderate Texture/coarse fragments	0.50	High Available water	1.00
Weste	35	Moderate Texture/coarse fragments	0.50	High Available water	1.00
Swainow	5	Low		Low	
Rock outcrop	5	Not rated		Not rated	
Weste	3	Moderate Texture/coarse fragments	0.50	High Available water	1.00
Baileycreek	2	Moderate Texture/coarse fragments	0.50	High Available water	1.00

TABLE 13.--FORESTLAND MANAGEMENT--Continued

Map symbol and soil name	Pct. of map unit	Potential for damage to soil by fire		Potential for seedling mortality	
		Rating class and limiting features	Value	Rating class and limiting features	Value
113:					
Baileycreek---------	50	Low		Low	
Weste---------------	35	Moderate Texture/coarse fragments	0.50	High Available water	1.00
Rubble land---------	5	Not rated		Not rated	
Rock outcrop--------	5	Not rated		Not rated	
Swainow-------------	5	Low		Low	
124:					
Bonta---------------	80	High Texture/coarse fragments	1.00	Moderate Available water	0.50
Janile--------------	10	High Texture/surface depth/coarse fragments	1.00	High Available water	1.00
Lasco---------------	10	Low Texture/coarse fragments	0.10	High Available water	1.00
125:					
Bonta---------------	80	High Texture/coarse fragments	1.00	Low	
Lasco---------------	10	Low Texture/coarse fragments	0.10	Low	
Rock outcrop--------	5	Not rated		Not rated	
Bonta---------------	5	High Texture/coarse fragments	1.00	Low	
126:					
Bonta---------------	75	Moderate Texture/coarse fragments	0.50	Moderate Available water	0.50
Bonta---------------	5	Moderate Texture/coarse fragments	0.50	Moderate Available water	0.50
Lasco---------------	5	Low Texture/coarse fragments	0.10	Low	
Waterman------------	5	High Texture/slope/ coarse fragments	1.00	Low	
Gerle---------------	5	Low Texture/coarse fragments	0.10	Low	
Chimney-------------	5	High Texture/coarse fragments	1.00	Low	

TABLE 13.--FORESTLAND MANAGEMENT--Continued

Map symbol and soil name	Pct. of map unit	Potential for damage to soil by fire		Potential for seedling mortality	
		Rating class and limiting features	Value	Rating class and limiting features	Value
133:					
Buckbay	35	Moderate Texture/coarse fragments	0.50	Low	
Orhood	25	Moderate Texture/surface depth/coarse fragments	0.50	Moderate Available water	0.50
Devada	20	Low		High Available water	1.00
Fredonyer	4	Moderate Texture/surface depth/coarse fragments	0.50	Low	
Longcreek	4	Moderate Texture/surface depth/coarse fragments	0.50	Moderate Available water	0.50
Ninemile	4	Moderate Texture/surface depth/coarse fragments	0.50	Moderate Available water	0.50
Petescreek	4	Low Texture/coarse fragments	0.10	Low	
Puls	4	High Texture/surface depth/coarse fragments	1.00	High Available water	1.00
134:					
Buckbay	40	Moderate Texture/coarse fragments	0.50	Low	
Orhood	25	Moderate Texture/surface depth/coarse fragments	0.50	High Available water	1.00
Fredonyer	20	Moderate Texture/surface depth/coarse fragments	0.50	Low	
Searles	8	High Texture/coarse fragments	1.00	High Available water	1.00
Jauriga	7	Low Texture/coarse fragments	0.10	Moderate Available water	0.50
136:					
Bunanch	90	Low Texture/coarse fragments	0.10	Low	
Ulhalf	5	Moderate Texture/surface depth/coarse fragments	0.50	Low	
Jauriga	4	Low Texture/coarse fragments	0.10	Moderate Available water	0.50
Keddie	1	Low Texture/coarse fragments	0.10	High Wetness	1.00

TABLE 13.--FORESTLAND MANAGEMENT--Continued

Map symbol and soil name	Pct. of map unit	Potential for damage to soil by fire		Potential for seedling mortality	
		Rating class and limiting features	Value	Rating class and limiting features	Value
137:					
Cagwin	85	Moderate Texture/coarse fragments	0.50	Low	
Penstock	5	Low		Low	
Quartzburg	3	Moderate Texture/slope/coarse fragments	0.50	Moderate Available water	0.50
Cagwin	3	High Texture/coarse fragments Texture/surface depth/coarse fragments	1.00 1.00	High Soil reaction	1.00
Lasco	2	Low Texture/coarse fragments	0.10	Low	
Cagwin	2	Low		Low	
138:					
Cagwin	85	Low		Low	
Cagwin family	3	Low		Low	
Penstock family	5	Low		Low	
Lasco	5	Low Texture/coarse fragments	0.10	Low	
Cagwin	1	Low		Low	
Quartzburg	1	Moderate Texture/slope/coarse fragments	0.50	Moderate Available water	0.50
152:					
Chimney	90	High Texture/coarse fragments	1.00	High Available water	1.00
Mottsville	6	Moderate Texture/coarse fragments	0.50	High Available water	1.00
Rock outcrop	4	Not rated		Not rated	
153:					
Chimney	85	High Texture/coarse fragments	1.00	High Available water	1.00
Bonta	8	Moderate Texture/coarse fragments	0.50	High Available water	1.00
Mottsville	7	Moderate Texture/coarse fragments	0.50	High Available water	1.00

TABLE 13.--FORESTLAND MANAGEMENT--Continued

Map symbol and soil name	Pct. of map unit	Potential for damage to soil by fire		Potential for seedling mortality	
		Rating class and limiting features	Value	Rating class and limiting features	Value
154:					
Chimney	35	High Texture/coarse fragments	1.00	Moderate Available water	0.50
Janile	35	High Texture/slope/ surface depth	1.00	High Available water	1.00
Waterman	15	High Texture/slope/ coarse fragments	1.00	Low	
Rock outcrop	5	Not rated		Not rated	
Mottsville	5	Moderate Texture/coarse fragments	0.50	Low	
Bonta	5	Moderate Texture/coarse fragments	0.50	Moderate Available water	0.50
155:					
Chimney	40	High Texture/coarse fragments	1.00	Moderate Available water	0.50
Janile	30	High Texture/slope/ surface depth	1.00	High Available water	1.00
Waterman	15	High Texture/slope/ coarse fragments	1.00	Low	
Chimney	8	High Texture/coarse fragments	1.00	Moderate Available water	0.50
Rock outcrop	7	Not rated		Not rated	

TABLE 13.--FORESTLAND MANAGEMENT--Continued

Map symbol and soil name	Pct. of map unit	Potential for damage to soil by fire		Potential for seedling mortality	
		Rating class and limiting features	Value	Rating class and limiting features	Value
156:					
Chimney	65	High Texture/coarse fragments	1.00	Low	
Waterman	20	High Texture/coarse fragments	1.00	High Available water	1.00
Mottsville	5	Moderate Texture/coarse fragments	0.50	Low	
Massack	5	Low Texture/coarse fragments	0.10	Low	
Calpine	5	Low Texture/coarse fragments	0.10	Moderate Available water	0.50
157:					
Chirpchatter	85	Moderate Texture/coarse fragments	0.50	Moderate Available water	0.50
Ulhalf family	8	Moderate Texture/surface depth/coarse fragments	0.50	Moderate Available water	0.50
Gavel family	7	Moderate Texture/surface depth/coarse fragments	0.50	High Available water	1.00
172:					
Devada	60	Low		Low	
Gavel	35	Low		Low	
Ulhalf	5	Moderate Texture/surface depth/coarse fragments	0.50	Low	
173:					
Devada	40	Low		High Available water	1.00
Gavel	25	Moderate Texture/surface depth/coarse fragments	0.50	Moderate Available water	0.50
Whitinger	15	Low		Low	

TABLE 13.--FORESTLAND MANAGEMENT--Continued

Map symbol and soil name	Pct. of map unit	Potential for damage to soil by fire		Potential for seedling mortality	
		Rating class and limiting features	Value	Rating class and limiting features	Value
Rubble land---------	4	Not rated		Not rated	
Rock outcrop--------	4	Not rated		Not rated	
Petescreek----------	4	Low Texture/coarse fragments	0.10	Low	
Orhood--------------	4	Moderate Texture/surface depth/coarse fragments	0.50	Low	
Bucklake------------	4	Low		Low	
176:					
Devada--------------	30	Moderate Texture/coarse fragments	0.50	High Available water	1.00
Orhood--------------	30	Moderate Texture/surface depth/coarse fragments	0.50	Low	
Hart Camp-----------	25	Low Texture/surface depth/coarse fragments	0.10	Low	
Jauriga-------------	4	Low Texture/coarse fragments	0.10	Moderate Available water	0.50
Fiddler-------------	4	Low		Low	
Searles-------------	3	High Texture/coarse fragments	1.00	Moderate Available water	0.50
Rock outcrop--------	2	Not rated		Not rated	
Aquolls-------------	1	Low Texture/coarse fragments	0.10	High Wetness Salinity	1.00 0.50
Rubble land---------	1	Not rated		Not rated	

TABLE 13.--FORESTLAND MANAGEMENT--Continued

Map symbol and soil name	Pct. of map unit	Potential for damage to soil by fire		Potential for seedling mortality	
		Rating class and limiting features	Value	Rating class and limiting features	Value
177:					
Devada	40	Moderate Texture/slope/ coarse fragments	0.50	Low	
Papeek	30	Low		Low	
Gavel	20	High Texture/slope/ surface depth/coarse fragments	1.00	Low	
Whitinger	5	High Texture/slope/ coarse fragments	1.00	Low	
Gavel	5	High Texture/slope/ surface depth/coarse fragments	1.00	Low	
178:					
Devada	40	Moderate Texture/coarse fragments	0.50	High Available water	1.00
Petescreek	25	Low Texture/coarse fragments	0.10	Low	
Fiddler	20	Low		Low	
Longcreek	3	Moderate Texture/surface depth/coarse fragments	0.50	Low	
Fredonyer	3	Moderate Texture/surface depth/coarse fragments	0.50	High Available water	1.00
Bucklake	3	High Texture/coarse fragments	1.00	Moderate Available water	0.50
Dune land	2	Not rated		Not rated	
Tunnison	2	High Texture/surface depth/coarse fragments	1.00	Low	
Madeline	2	Moderate Texture/coarse fragments	0.50	Low	
184:					
Eaglelake	85	Low Texture/coarse fragments	0.10	Moderate Available water	0.50
Outland	5	Low		High Available water	1.00
Rock outcrop	5	Not rated		Not rated	
Eaglelake	5	Low Texture/coarse fragments	0.10	Moderate Available water	0.50

TABLE 13.--FORESTLAND MANAGEMENT--Continued

Map symbol and soil name	Pct. of map unit	Potential for damage to soil by fire		Potential for seedling mortality	
		Rating class and limiting features	Value	Rating class and limiting features	Value
185:					
Eaglelake	50	Low Texture/coarse fragments	0.10	Low	
Outland	25	Moderate Texture/surface depth/coarse fragments	0.50	Low	
Weste	15	Low		Low	
Inville	5	Low		Low	
Outland	3	Moderate Texture/surface depth/coarse fragments	0.50	Low	
Rock outcrop	2	Not rated		Not rated	
186:					
Eaglelake	45	Low		Low	
Outland	25	Low		Low	
Weste	15	Low		Low	
Rubble land	5	Not rated		Not rated	
Rock outcrop	5	Not rated		Not rated	
Easte	5	Low Texture/coarse fragments	0.10	Moderate Available water	0.50
187:					
Eaglelake	45	Low Texture/coarse fragments	0.10	Low	
Outland	25	Low		Low	
Weste	15	Low		Low	
Rubble land	5	Not rated		Not rated	
Easte	4	Low Texture/coarse fragments	0.10	Moderate Available water	0.50
Outland	3	Low		Low	
Weste	3	Low		Low	

TABLE 13.--FORESTLAND MANAGEMENT--Continued

Map symbol and soil name	Pct. of map unit	Potential for damage to soil by fire		Potential for seedling mortality	
		Rating class and limiting features	Value	Rating class and limiting features	Value
188:					
Eaglelake	45	Low Texture/coarse fragments	0.10	Low	
Outland	25	Low		Low	
Weste	15	Low		Low	
Deadwood	8	Low		Low	
Eaglelake	7	Low Texture/coarse fragments	0.10	Low	
189:					
Easte	55	Low Texture/coarse fragments	0.10	Moderate Available water	0.50
Fredonyer	30	High Texture/slope/surface depth/coarse fragments	1.00	High Available water	1.00
Petescreek	4	Low Texture/coarse fragments	0.10	Low	
Glean	3	Moderate Texture/slope/surface depth/coarse fragments	0.50	Moderate Available water	0.50
Said	3	Low Texture/coarse fragments	0.10	Low	
Rubble land	2	Not rated		Not rated	
Xerolls	2	Moderate Texture/coarse fragments	0.50	High Wetness Salinity	1.00 0.50
Eaglelake family	1	Low		Low	
190:					
Easte	50	Low Texture/coarse fragments	0.10	Moderate Available water	0.50
Roop	35	Low Texture/coarse fragments	0.10	Moderate Available water	0.50
Rock outcrop	4	Not rated		Not rated	
Outland	4	Low		Low	
Rubble land	3	Not rated		Not rated	
Roop	2	Low Texture/coarse fragments	0.10	Moderate Available water	0.50

TABLE 13.--FORESTLAND MANAGEMENT--Continued

Map symbol and soil name	Pct. of map unit	Potential for damage to soil by fire		Potential for seedling mortality	
		Rating class and limiting features	Value	Rating class and limiting features	Value
Easte	2	Low Texture/coarse fragments	0.10	Moderate Available water	0.50
191:					
Easte	50	Low Texture/coarse fragments	0.10	Moderate Available water	0.50
Roop	40	Moderate Texture/slope/coarse fragments	0.50	Moderate Available water	0.50
Outland	5	Low		Low	
Rock outcrop	3	Not rated		Not rated	
Rubble land	2	Not rated		Not rated	
194:					
Fiddler	35	Moderate Texture/coarse fragments	0.50	High Available water	1.00
Gavel	30	Moderate Texture/surface depth/coarse fragments	0.50	Moderate Available water	0.50
Rubble land	15	Not rated		Not rated	
Devada	7	Low		Low	
Orhood	6	Moderate Texture/surface depth/coarse fragments	0.50	Low	
Rock outcrop	3	Not rated		Not rated	
Whitinger	2	Low		Low	
Said	2	Low Texture/coarse fragments	0.10	Low	
195:					
Fiddler	40	Moderate Texture/slope/coarse fragments	0.50	High Available water	1.00
Gavel	25	High Texture/slope/surface depth/coarse fragments	1.00	Moderate Available water	0.50
Rubble land	15	Not rated		Not rated	
Orhood	5	Low		Low	
Devada	5	Moderate Texture/slope/coarse fragments	0.50	Low	
Rock outcrop	4	Not rated		Not rated	
Whitinger	4	High Texture/slope/coarse fragments	1.00	Low	
Said	2	Low Texture/coarse fragments	0.10	Low	

TABLE 13.--FORESTLAND MANAGEMENT--Continued

Map symbol and soil name	Pct. of map unit	Potential for damage to soil by fire		Potential for seedling mortality	
		Rating class and limiting features	Value	Rating class and limiting features	Value
196:					
Fiddler	45	Moderate Texture/coarse fragments	0.50	High Available water	1.00
Madeline	35	Moderate Texture/coarse fragments	0.50	Low	
Orhood	5	Moderate Texture/surface depth/coarse fragments	0.50	Low	
Devada	5	Moderate Texture/coarse fragments	0.50	High Available water	1.00
Rock outcrop	4	Not rated		Not rated	
Fivesprings	3	High Texture/surface depth/coarse fragments	1.00	High Available water	1.00
Petescreek	3	Low Texture/coarse fragments	0.10	Moderate Available water	0.50
197:					
Fiddler	30	Moderate Texture/coarse fragments	0.50	High Available water	1.00
Orhood	30	Moderate Texture/surface depth/coarse fragments	0.50	High Available water	1.00
Petescreek	25	Low Texture/coarse fragments	0.10	Low	
Home Camp	5	Low		Moderate Available water	0.50
Fredonyer	4	Moderate Texture/surface depth/coarse fragments	0.50	High Available water	1.00
Buckbay	3	Moderate Texture/coarse fragments	0.50	Low	
Badenaugh	3	Low Texture/coarse fragments	0.10	High Available water	1.00
207:					
Forgay	85	Low		High Available water	1.00
Mountmed, clay loam-	8	Low		Low	
Urban land	7	Not rated		Not rated	
208:					
Forgay	80	Low		High Available water	1.00
Urban land	5	Not rated		Not rated	

TABLE 13.--FORESTLAND MANAGEMENT--Continued

Map symbol and soil name	Pct. of map unit	Potential for damage to soil by fire		Potential for seedling mortality	
		Rating class and limiting features	Value	Rating class and limiting features	Value
Forgay	5	Low		High Available water	1.00
Riverwash, extremely gravelly coarse sand	5	Not rated		Not rated	
Fluvents	5	Low		High Wetness Soil reaction	1.00 0.50
211: Fraval	40	Low Texture/coarse fragments	0.10	Low	
Fredonyer	25	Moderate Texture/surface depth/coarse fragments	0.50	Low	
Said	20	Low Texture/coarse fragments	0.10	Low	
Keddie, loam	3	Low Texture/coarse fragments	0.10	High Wetness	1.00
Rubble land	2	Not rated		Not rated	
Rock outcrop	2	Not rated		Not rated	
Searles, very stony loam	2	High Texture/coarse fragments	1.00	High Available water	1.00
Petescreek, gravelly loam	2	Low Texture/coarse fragments	0.10	Low	
Ninemile, very stony loam	2	Moderate Texture/surface depth/coarse fragments	0.50	Moderate Available water	0.50

TABLE 13.--FORESTLAND MANAGEMENT--Continued

Map symbol and soil name	Pct. of map unit	Potential for damage to soil by fire		Potential for seedling mortality	
		Rating class and limiting features	Value	Rating class and limiting features	Value
Orhood, very stony sandy loam	2	Moderate Texture/surface depth/coarse fragments	0.50	Low	
212:					
Fraval	60	Low Texture/coarse fragments	0.10	Low	
Said	30	Low Texture/coarse fragments	0.10	Low	
Rock outcrop	5	Not rated		Not rated	
Fredonyer, very stony loam	3	Moderate Texture/surface depth/coarse fragments	0.50	Moderate Available water	0.50
Ninemile, very stony loam	2	Moderate Texture/surface depth/coarse fragments	0.50	Moderate Available water	0.50
213:					
Fredonyer	45	Moderate Texture/slope/ surface depth/coarse fragments	0.50	Moderate Available water	0.50
Whitinger	25	High Texture/slope/ course fragments	1.00	High Available water	1.00
Orhood	15	Low		Low	
Badenaugh, stony sandy loam	3	Low Texture/coarse fragments	0.10	Low	
Rubble land	2	Not rated		Not rated	

TABLE 13.--FORESTLAND MANAGEMENT--Continued

Map symbol and soil name	Pct. of map unit	Potential for damage to soil by fire		Potential for seedling mortality	
		Rating class and limiting features	Value	Rating class and limiting features	Value
Rock outcrop--------	2	Not rated		Not rated	
Searles, very stony loam----------	2	High Texture/coarse fragments	1.00	High Available water	1.00
Petescreek, very gravelly loam------	2	Low Texture/coarse fragments	0.10	Low	
Hapgood, stony loam-	2	Low Texture/surface depth/coarse fragments	0.10	Moderate Available water	0.50
Fiddler, very stony loam----------	2	Moderate Texture/slope/ coarse fragments	0.50	High Available water	1.00
218:					
Gavel----------	85	Low		Low	
Devada, very cobbly loam----------	8	Low		Low	
Searles, very stony loam----------	7	High Texture/coarse fragments	1.00	High Available water	1.00
219:					
Gavel----------	55	Low		Low	
Devada----------	35	Moderate Texture/slope/ coarse fragments	0.50	Low	
Devada, very cobbly loam----------	10	Moderate Texture/slope/ coarse fragments	0.50	Low	
223:					
Gerle----------	90	Low Texture/coarse fragments	0.10	Moderate Available water	0.50
Gerle, gravelly sandy loam---------	5	Low Texture/coarse fragments	0.10	Moderate Available water	0.50
Gerle----------	5	Low Texture/coarse fragments	0.10	Moderate Available water	0.50
224:					
Gerle----------	85	Low Texture/coarse fragments	0.10	Low	
Gerle----------	5	Low Texture/coarse fragments	0.10	Low	
Rock outcrop--------	5	Not rated		Not rated	

TABLE 13.--FORESTLAND MANAGEMENT--Continued

Map symbol and soil name	Pct. of map unit	Potential for damage to soil by fire		Potential for seedling mortality	
		Rating class and limiting features	Value	Rating class and limiting features	Value
Mottsville, gravelly loamy coarse sand--	5	Moderate Texture/coarse fragments	0.50	Low	
225:					
Gerle----------	50	Low Texture/coarse fragments	0.10	Moderate Available water	0.50
Gerle----------	25	Low Texture/coarse fragments	0.10	Low	
Gerle----------	15	Low Texture/coarse fragments	0.10	Low	
Rock outcrop--------	10	Not rated		Not rated	
232:					
Hangtown----------	75	Low		Low	
Hangtown----------	5	Low		Low	
Rock outcrop--------	5	Not rated		Not rated	
Penstock----------	5	Low		Low	
Scaribou, stony loam	5	Moderate Texture/slope/ coarse fragments	0.50	Low	
Deadwood, very gravelly sandy loam	5	Low		Low	
256:					
Indiano----------	45	Moderate Texture/slope/ coarse fragments	0.50	Low	
Zephan----------	30	High Texture/slope/ surface depth/coarse fragments	1.00	High Available water	1.00
Duco----------	15	Moderate Texture/coarse fragments	0.50	Low	
Barnard, stony sandy loam----------	2	Low		Moderate Available water	0.50
Graufels, bouldery sand----------	2	Moderate Texture/coarse fragments	0.50	Low	
Glenbrook----------	2	High Texture/slope/ surface depth	1.00	Low	
Glean, very stony loam----------	2	Moderate Texture/slope/ surface depth/coarse fragments	0.50	Moderate Available water	0.50

TABLE 13.--FORESTLAND MANAGEMENT--Continued

Map symbol and soil name	Pct. of map unit	Potential for damage to soil by fire		Potential for seedling mortality	
		Rating class and limiting features	Value	Rating class and limiting features	Value
Corral, very cobbly loam	2	High Texture/slope/surface depth/coarse fragments	1.00	Low	
257:					
Inville	85	Low		High Available water	1.00
Mountmed, clay loam	8	Low		Low	
Swainow, very gravelly sandy loam	7	Low		High Available water	1.00
259:					
Jauriga	40	Low Texture/coarse fragments	0.10	Moderate Available water	0.50
Buckbay	25	Moderate Texture/coarse fragments	0.50	Low	
Fredonyer	20	Moderate Texture/surface depth/coarse fragments	0.50	Low	
Rubble land	5	Not rated		Not rated	
Rock outcrop	5	Not rated		Not rated	
Petescreek, gravelly loam	5	Low Texture/coarse fragments	0.10	Low	
266:					
Lasco	90	Low Texture/coarse fragments	0.10	High Available water	1.00
Lasco	5	Low Texture/coarse fragments	0.10	High Available water	1.00
Scaribou, very gravelly loam	5	Low		High Available water	1.00
267:					
Lasco	95	Low Texture/coarse fragments	0.10	Low	
Bonta, gravelly sandy loam	5	Moderate Texture/coarse fragments	0.50	Moderate Available water	0.50
268:					
Lasco	90	Low Texture/coarse fragments	0.10	Low	
Waterman	5	High Texture/coarse fragments	1.00	Low	
Dotta, gravelly loam	5	Low Texture/coarse fragments	0.10	Moderate Available water	0.50

TABLE 13.--FORESTLAND MANAGEMENT--Continued

Map symbol and soil name	Pct. of map unit	Potential for damage to soil by fire		Potential for seedling mortality	
		Rating class and limiting features	Value	Rating class and limiting features	Value
269:					
Lasco	65	Low Texture/coarse fragments	0.10	Low	
Bonta	25	High Texture/coarse fragments	1.00	Low	
Chirpchatter, sandy loam	4	Moderate Texture/coarse fragments	0.50	Moderate Available water	0.50
Chimney, gravelly loamy coarse sand	3	High Texture/coarse fragments	1.00	Low	
Cagwin	3	Moderate Texture/coarse fragments	0.50	Low	
298:					
Ninemile	30	Moderate Texture/surface depth/coarse fragments	0.50	Moderate Available water	0.50
Petescreek	30	Low Texture/coarse fragments	0.10	Moderate Available water	0.50
Fiddler	25	Moderate Texture/coarse fragments	0.50	High Available water	1.00
Rock outcrop	5	Not rated		Not rated	
Fredonyer, very stony loam	5	Moderate Texture/surface depth/coarse fragments	0.50	Moderate Available water	0.50
Devada, very stony loam	5	Moderate Texture/coarse fragments	0.50	High Available water	1.00
299:					
Ninemile	50	Moderate Texture/surface depth/coarse fragments	0.50	Moderate Available water	0.50
Weste	35	Low		High Available water	1.00
Mountmed, clay loam	8	Low		Low	
Rock outcrop	7	Not rated		Not rated	

TABLE 13.--FORESTLAND MANAGEMENT--Continued

Map symbol and soil name	Pct. of map unit	Potential for damage to soil by fire		Potential for seedling mortality	
		Rating class and limiting features	Value	Rating class and limiting features	Value
302:					
Orhood	80	Moderate Texture/surface depth/coarse fragments	0.50	High Available water	1.00
Incy, fine sand	8	High Texture/coarse fragments	1.00	High Available water	1.00
Searles, very stony loam	6	High Texture/coarse fragments	1.00	Moderate Available water	0.50
Puls, very stony loam	6	High Texture/surface depth/coarse fragments	1.00	High Available water	1.00
304:					
Outland	75	Low		Low	
Rock outcrop	10	Not rated		Not rated	
Rubble land	10	Not rated		Not rated	
Eaglelake, very gravelly loam	5	Low		Low	
305:					
Outland	60	Low		High Available water	1.00
Outland	30	Moderate Texture/surface depth/coarse fragments	0.50	Low	
Eaglelake, very gravelly loam	5	Low Texture/coarse fragments	0.10	Low	
Rock outcrop	5	Not rated		Not rated	
306:					
Outland	60	Moderate Texture/surface depth/coarse fragments	0.50	Low	
Penstock	25	Low		Low	
Deadwood, very gravelly sandy loam	8	Low		Low	
Easte, very gravelly sandy loam	7	Low Texture/coarse fragments	0.10	Moderate Available water	0.50
307:					
Outland	60	Low		Low	
Penstock	25	Low		Low	
Fiddler, very stony loam	8	High Texture/coarse fragments Texture/slope/coarse fragments Texture/slope/surface depth	1.00 1.00 1.00	High Soil reaction	1.00

TABLE 13.--FORESTLAND MANAGEMENT--Continued

Map symbol and soil name	Pct. of map unit	Potential for damage to soil by fire		Potential for seedling mortality	
		Rating class and limiting features	Value	Rating class and limiting features	Value
Easte, deep to bedrock	7	High Texture/coarse fragments Texture/slope/ coarse fragments Texture/slope/ surface depth	 1.00 1.00 1.00	High Soil reaction	 1.00
308:					
Papeek	85	Low		Low	
Ulhalf	8	Moderate Texture/surface depth/coarse fragments	 0.50	Low	
Papeek, clay loam	7	Low		Low	
309:					
Papeek	95	Low		Low	
Deadwood, very gravelly sandy loam	5	Low		Low	
310:					
Penstock	65	Low		Low	
Deadwood	25	Low		Low	
Rock outcrop	5	Not rated		Not rated	
Scaribou, very gravelly loam	5	Low		Low	
311:					
Penstock	50	Low		Low	
Deadwood	20	Low		Low	
Rock outcrop	15	Not rated		Not rated	
Weste, very gravelly sandy loam	8	Low		Low	
Tahand	7	Moderate Texture/slope/ surface depth/coarse fragments	 0.50	Low	
312:					
Penstock	50	Low		Low	
Scaribou, stony loam	40	Low		Low	
Inville, very gravelly loam	5	Low		High Available water	 1.00
Aquolls, gravelly sandy loam	5	Low Texture/coarse fragments	 0.10	High Wetness Salinity	 1.00 0.50

TABLE 13.--FORESTLAND MANAGEMENT--Continued

Map symbol and soil name	Pct. of map unit	Potential for damage to soil by fire		Potential for seedling mortality	
		Rating class and limiting features	Value	Rating class and limiting features	Value
313:					
Penstock	45	Low		Low	
Scaribou, stony loam	40	Moderate Texture/slope/ coarse fragments	0.50	Low	
Deadwood, very gravelly sandy loam	8	Low		Low	
Rock outcrop	7	Not rated		Not rated	
321:					
Petescreek	35	Low Texture/coarse fragments	0.10	Low	
Orhood	25	Moderate Texture/surface depth/coarse fragments	0.50	High Available water	1.00
Fredonyer	20	Moderate Texture/surface depth/coarse fragments	0.50	Low	
Searles, very cobbly loam	4	High Texture/coarse fragments	1.00	High Available water	1.00
Easte, very gravelly sandy loam	4	Low Texture/coarse fragments	0.10	Moderate Available water	0.50
Indiano, stony fine sandy loam	4	Moderate Texture/coarse fragments	0.50	Low	
Glean, very stony loam	4	Low Texture/coarse fragments	0.10	Moderate Available water	0.50
Alomax, very stony sandy loam	4	High Texture/surface depth/coarse fragments	1.00	Low	
323:					
Petescreek	45	Low Texture/coarse fragments	0.10	Low	
Searles	25	High Texture/coarse fragments	1.00	High Available water	1.00
Orhood	20	Moderate Texture/surface depth/coarse fragments	0.50	Low	
Fredonyer, very stony loam	10	Moderate Texture/surface depth/coarse fragments	0.50	Low	

TABLE 13.--FORESTLAND MANAGEMENT--Continued

Map symbol and soil name	Pct. of map unit	Potential for damage to soil by fire		Potential for seedling mortality	
		Rating class and limiting features	Value	Rating class and limiting features	Value
332:					
Quartzburg----------	60	Moderate Texture/slope/ coarse fragments	0.50	Moderate Available water	0.50
Scaribou----------	30	Low		Low	
Rubble land---------	5	Not rated		Not rated	
Rock outcrop--------	5	Not rated		Not rated	
337:					
Redriver----------	45	Low		High Available water	1.00
Gerle----------	35	Low Texture/coarse fragments	0.10	Moderate Available water	0.50
Inville, very gravelly loam------	10	Low		High Available water	1.00
Forgay, extremely gravelly sandy loam	10	Low		High Available water	1.00
338:					
Redriver----------	50	Moderate Texture/surface depth/coarse fragments	0.50	High Available water	1.00
Weste----------	30	Low		High Available water	1.00
Woodwest, very stony sandy loam---------	5	Low		High Available water	1.00
Swainow, very gravelly sandy loam	5	Low		High Available water	1.00
Keddie, loam--------	5	Low Texture/coarse fragments	0.10	High Wetness	1.00
Inville, very gravelly loam------	5	Low		High Available water	1.00
339:					
Redriver, stony sandy loam---------	50	Low		High Available water	1.00
Woodwest----------	20	Low		High Available water	1.00
Wafla----------	15	Moderate Texture/coarse fragments	0.50	High Available water	1.00
Inville, very gravelly loam------	8	Low		High Available water	1.00
Rock outcrop--------	7	Not rated		Not rated	

TABLE 13.--FORESTLAND MANAGEMENT--Continued

Map symbol and soil name	Pct. of map unit	Potential for damage to soil by fire		Potential for seedling mortality	
		Rating class and limiting features	Value	Rating class and limiting features	Value
343:					
Rubble land	60	Not rated		Not rated	
Fiddler	25	Moderate Texture/slope/ coarse fragments	0.50	Low	
Orhood, very stony loam	8	Low		Low	
Rock outcrop	7	Not rated		Not rated	
346:					
Rubble land	60	Not rated		Not rated	
Weste	20	Low		Low	
Gavel	5	Low		Low	
Easte, gravelly loam	7	Low Texture/coarse fragments	0.10	Moderate Available water	0.50
Scaribou, very gravelly loam	3	Low		Low	
Outland, very stony loam	3	Low		Low	
Rock outcrop	2	Not rated		Not rated	
351:					
Said	85	Low Texture/coarse fragments	0.10	Low	
Fredonyer, very stony loam	5	Moderate Texture/surface depth/coarse fragments	0.50	Low	
Easte, very gravelly sandy loam	5	Low Texture/coarse fragments	0.10	Moderate Available water	0.50
Ninemile, very cobbly loam	3	Moderate Texture/surface depth/coarse fragments	0.50	Moderate Available water	0.50
Petescreek, gravelly loam	2	Low Texture/coarse fragments	0.10	Low	
352:					
Said	50	Low Texture/coarse fragments	0.10	Low	
Fraval	35	Low Texture/coarse fragments	0.10	Low	
Easte, very gravelly sandy loam	8	Low Texture/coarse fragments	0.10	Moderate Available water	0.50
Deadwood family, very gravelly sandy loam	7	Low		Low	

TABLE 13.--FORESTLAND MANAGEMENT--Continued

Map symbol and soil name	Pct. of map unit	Potential for damage to soil by fire		Potential for seedling mortality	
		Rating class and limiting features	Value	Rating class and limiting features	Value
353:					
Said	60	Low Texture/coarse fragments	0.10	Low	
Ninemile	25	Moderate Texture/surface depth/coarse fragments	0.50	Moderate Available water	0.50
Rock outcrop	5	Not rated		Not rated	
Fredonyer, very stony loam	5	Moderate Texture/surface depth/coarse fragments	0.50	Low	
Eaglelake, very gravelly loam	5	Low Texture/coarse fragments	0.10	Moderate Available water	0.50
354:					
Scaribou	85	Moderate Texture/surface depth/coarse fragments	0.50	Low	
Scaribou, stony loam	8	Low		Low	
Penstock	7	Low		Moderate Available water	0.50
355:					
Scaribou	55	Moderate Texture/slope/ coarse fragments	0.50	High Available water	1.00
Penstock	20	Low Texture/coarse fragments	0.10	Moderate Available water	0.50
Rock outcrop	15	Not rated		Not rated	
Rubble land	5	Not rated		Not rated	
Deadwood, very gravelly sandy loam	5	Low		Low	
360:					
Searles	35	Low		Low	
Orhood	30	Moderate Texture/surface depth/coarse fragments	0.50	Low	
Devada	20	Low		Low	
Bucklake, very stony loam	4	Low		Low	
Fiddler, very stony loam	4	Low		Low	
Fivesprings, very stony loam	3	High Texture/surface depth/coarse fragments	1.00	High Available water	1.00

TABLE 13.--FORESTLAND MANAGEMENT--Continued

Map symbol and soil name	Pct. of map unit	Potential for damage to soil by fire		Potential for seedling mortality	
		Rating class and limiting features	Value	Rating class and limiting features	Value
Rock outcrop--------	2	Not rated		Not rated	
Xerolls, loamy coarse sand--------	2	Moderate Texture/coarse fragments	0.50	High Wetness Salinity	1.00 0.50
364:					
Southpac----------	85	Moderate Texture/slope/ coarse fragments	0.50	Low	
Rock outcrop--------	8	Not rated		Not rated	
Riverwash----------	4	Not rated		Not rated	
Keddie, loam--------	3	Low Texture/coarse fragments	0.10	High Wetness	1.00
373:					
Swainow----------	40	Low		Low	
Almanor----------	30	Low		Low	
Tahand----------	20	Low		Low	
Whorled, very gravelly sandy loam	10	Low		Low	
374:					
Swainow, very stony sandy loam---------	65	Moderate Texture/surface depth/coarse fragments	0.50	High Available water	1.00
Almanor----------	20	Low Texture/coarse fragments	0.10	Moderate Available water	0.50
Keddie, loam--------	3	Low Texture/coarse fragments	0.10	High Wetness	1.00
Almanor, very gravelly sandy loam	3	Low Texture/coarse fragments	0.10	Moderate Available water	0.50
Rock outcrop--------	3	Not rated		Not rated	
Whorled, very gravelly sandy loam	4	Low		Low	
Tahand----------	2	Low		Low	
375:					
Swainow----------	50	Low		High Available water	1.00
Redriver----------	35	Low		High Available water	1.00
Rubble land---------	5	Not rated		Not rated	
Redriver----------	5	Low		High Available water	1.00
Woodwest, very stony sandy loam---------	5	Low		High Available water	1.00

TABLE 13.--FORESTLAND MANAGEMENT--Continued

Map symbol and soil name	Pct. of map unit	Potential for damage to soil by fire		Potential for seedling mortality	
		Rating class and limiting features	Value	Rating class and limiting features	Value
376:					
Swainow	55	Moderate Texture/slope/ surface depth/coarse fragments	0.50	Low	
Tahand	35	Moderate Texture/slope/ surface depth/coarse fragments	0.50	Low	
Urban land	5	Not rated		Not rated	
Baileycreek, very bouldery loam	5	Moderate Texture/slope/ coarse fragments	0.50	Low	
377:					
Tahand	45	Low		Low	
Baileycreek	35	Low		Low	
Rock outcrop	5	Not rated		Not rated	
Baileycreek, very stony loam	5	Moderate Texture/coarse fragments	0.50	High Available water	1.00
Weste, very stony sandy loam	5	Moderate Texture/coarse fragments	0.50	High Available water	1.00
Redriver, very gravelly sandy loam	5	Low		High Available water	1.00
378:					
Tahand	35	Low		Moderate Available water	0.50
Swainow	30	Low Texture/coarse fragments	0.10	High Available water	1.00
Almanor	20	Low		High Available water	1.00
Rock outcrop	5	Not rated		Not rated	
Woodwest, very stony sandy loam	5	Low		High Available water	1.00
Keddie, loam	5	Low Texture/coarse fragments	0.10	High Wetness	1.00
382:					
Toiyabe	50	High Texture/slope/ coarse fragments	1.00	Low	
Lasco	20	Moderate Texture/coarse fragments	0.50	Moderate Available water	0.50

TABLE 13.--FORESTLAND MANAGEMENT--Continued

Map symbol and soil name	Pct. of map unit	Potential for damage to soil by fire		Potential for seedling mortality	
		Rating class and limiting features	Value	Rating class and limiting features	Value
Quartzburg	15	Low		Low	
Rock outcrop	5	Not rated		Not rated	
Toiyabe	5	High Texture/slope/coarse fragments	1.00	Low	
Outland, very stony loam	5	Low		Low	
383:					
Toiyabe	55	High Texture/coarse fragments	1.00	Low	
Lasco	30	Moderate Texture/coarse fragments	0.50	Low	
Bonta, coarse sandy loam	8	High Texture/coarse fragments	1.00	Moderate Available water	0.50
Toiyabe	7	High Texture/coarse fragments	1.00	Low	
391:					
Ulhalf	85	Moderate Texture/slope/surface depth/coarse fragments	0.50	Low	
Inville, very gravelly loam	8	Low		High Available water	1.00
Southpac, very stony loam	7	Moderate Texture/slope/coarse fragments	0.50	Low	
392:					
Ulhalf	90	Moderate Texture/surface depth/coarse fragments	0.50	Moderate Available water	0.50
Deadwood, very gravelly sandy loam	5	Low		High Available water	1.00
Penstock	5	Low		High Available water	1.00
393:					
Ulhalf	60	Moderate Texture/surface depth/coarse fragments	0.50	Moderate Available water	0.50
Gavel	30	Low		High Available water	1.00
Southpac, very stony loam	10	Low		High Available water	1.00

TABLE 13.--FORESTLAND MANAGEMENT--Continued

Map symbol and soil name	Pct. of map unit	Potential for damage to soil by fire		Potential for seedling mortality	
		Rating class and limiting features	Value	Rating class and limiting features	Value
394:					
Ulhalf	60	Moderate Texture/surface depth/coarse fragments	0.50	Moderate Available water	0.50
Southpac	30	Low		Low	
Rock outcrop	10	Not rated		Not rated	
398:					
Weste	35	Low		Low	
Baileycreek	30	Low		Low	
Tahand	20	Low		Low	
Rubble land	8	Not rated		Not rated	
Rock outcrop	7	Not rated		Not rated	
399:					
Weste	65	Low		Low	
Rock outcrop	15	Not rated		Not rated	
Swainow, stony sandy loam	10	Moderate Texture/slope/ surface depth/coarse fragments	0.50	Low	
Woodwest, very stony sandy loam	10	Low		High Available water	1.00
400:					
Whitinger	45	Moderate Texture/coarse fragments	0.50	Low	
Devada	35	Low		Low	
Rubble land	5	Not rated		Not rated	
Rock outcrop	5	Not rated		Not rated	
Jauriga, gravelly loam	5	Low Texture/coarse fragments	0.10	Moderate Available water	0.50
Buckbay, gravelly loam	5	Moderate Texture/coarse fragments	0.50	Low	
401:					
Whorled	45	Low		Low	
Almanor	35	Low		Low	
Tahand	8	Low		Low	
Whorled	7	Low		Low	
Rock outcrop	5	Not rated		Not rated	

TABLE 14.--CONSTRUCTION MATERIALS

(The information in this table indicates the dominant soil condition but does not eliminate the need for onsite investigation. The ratings given for the thickest layer are for the thickest layer above and excluding the bottom layer. The numbers in the value columns range from 0.00 to 0.99. The greater the value, the greater the likelihood that the bottom layer or thickest layer of the soil is a source of sand or gravel. See text for further explanation of ratings in this table.)

Map symbol and soil name	Pct. of map unit	Potential source of gravel		Potential source of sand	
		Rating class	Value	Rating class	Value
101:					
Almanor	40	Fair		Poor	
		Bottom layer	0.09	Bottom layer	0.00
		Thickest layer	0.09	Thickest layer	0.00
Whorled	35	Fair		Fair	
		Thickest layer	0.19	Bottom layer	0.02
		Bottom layer	0.19	Thickest layer	0.02
Inville	20	Poor		Poor	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.00
102:					
Alomax, very stony sandy loam	40	Poor		Fair	
		Thickest layer	0.00	Thickest layer	0.00
		Bottom layer	0.00	Bottom layer	0.04
Glean	25	Fair		Fair	
		Bottom layer	0.06	Bottom layer	0.04
		Thickest layer	0.06	Thickest layer	0.04
Rock outcrop	25	Not rated		Not rated	
		Bottom layer	0.00	Bottom layer	0.00
103:					
Anawalt	50	Poor		Poor	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.00
Ninemile	30	Poor		Poor	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.00
104:					
Ardep	85	Poor		Fair	
		Bottom layer	0.00	Thickest layer	0.00
		Thickest layer	0.00	Bottom layer	0.50
105:					
Ardep	85	Poor		Fair	
		Bottom layer	0.00	Thickest layer	0.00
		Thickest layer	0.00	Bottom layer	0.50
106:					
Ardep	85	Poor		Fair	
		Bottom layer	0.00	Thickest layer	0.00
		Thickest layer	0.00	Bottom layer	0.50
107:					
Ardep	85	Poor		Fair	
		Bottom layer	0.00	Thickest layer	0.00
		Thickest layer	0.00	Bottom layer	0.50
108:					
Ardep	40	Poor		Fair	
		Bottom layer	0.00	Thickest layer	0.00
		Thickest layer	0.00	Bottom layer	0.50

TABLE 14.--CONSTRUCTION MATERIALS--Continued

Map symbol and soil name	Pct. of map unit	Potential source of gravel		Potential source of sand	
		Rating class	Value	Rating class	Value
Wespac	35	Poor		Poor	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.00
Zorravista	15	Poor		Fair	
		Bottom layer	0.00	Thickest layer	0.34
		Thickest layer	0.00	Bottom layer	0.34
109:					
Artray	85	Poor		Fair	
		Bottom layer	0.00	Thickest layer	0.06
		Thickest layer	0.00	Bottom layer	0.54
110:					
Badenaugh	80	Poor		Poor	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.00
111:					
Baileycreek	45	Poor		Poor	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.00
Weste	35	Poor		Poor	
		Thickest layer	0.00	Bottom layer	0.00
		Bottom layer	0.00	Thickest layer	0.00
112:					
Baileycreek	50	Poor		Poor	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.00
Weste	35	Poor		Poor	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.00
113:					
Baileycreek	50	Poor		Poor	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.00
Weste	35	Poor		Poor	
		Thickest layer	0.00	Bottom layer	0.00
		Bottom layer	0.00	Thickest layer	0.00
114:					
Barnard	70	Poor		Fair	
		Bottom layer	0.00	Thickest layer	0.00
		Thickest layer	0.00	Bottom layer	0.10
115:					
Beckwourth	50	Poor		Fair	
		Bottom layer	0.00	Thickest layer	0.10
		Thickest layer	0.00	Bottom layer	0.12
Fordney	35	Poor		Fair	
		Bottom layer	0.00	Thickest layer	0.11
		Thickest layer	0.00	Bottom layer	0.13
116:					
Bieber	80	Poor		Poor	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.00
117:					
Biscaro	85	Poor		Poor	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.00

TABLE 14.--CONSTRUCTION MATERIALS--Continued

Map symbol and soil name	Pct. of map unit	Potential source of gravel		Potential source of sand	
		Rating class	Value	Rating class	Value
118:					
Biscaro	50	Poor		Poor	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.00
Calnat	35	Poor		Poor	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.00
119:					
Biscaro	65	Fair		Poor	
		Thickest layer	0.00	Bottom layer	0.00
		Bottom layer	0.50	Thickest layer	0.00
Playas, silty clay	20	Poor		Poor	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.00
120:					
Blickenstaff	85	Poor		Fair	
		Bottom layer	0.00	Thickest layer	0.03
		Thickest layer	0.00	Bottom layer	0.04
121:					
Honeylake	95	Poor		Fair	
		Bottom layer	0.00	Thickest layer	0.00
		Thickest layer	0.00	Bottom layer	0.08
122:					
Bobert	90	Poor		Fair	
		Bottom layer	0.00	Bottom layer	0.04
		Thickest layer	0.00	Thickest layer	0.04
123:					
Bobert	85	Poor		Fair	
		Bottom layer	0.00	Thickest layer	0.00
		Thickest layer	0.00	Bottom layer	0.04
124:					
Bonta	80	Poor		Fair	
		Bottom layer	0.00	Bottom layer	0.05
		Thickest layer	0.00	Thickest layer	0.05
125:					
Bonta	80	Poor		Fair	
		Bottom layer	0.00	Bottom layer	0.05
		Thickest layer	0.00	Thickest layer	0.05
126:					
Bonta	75	Poor		Fair	
		Bottom layer	0.00	Bottom layer	0.05
		Thickest layer	0.00	Thickest layer	0.05
127:					
Boulder Lake	90	Poor		Poor	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.00
128:					
Boulder Lake	95	Poor		Poor	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.00
129:					
Brubeck	85	Poor		Poor	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.00

TABLE 14.--CONSTRUCTION MATERIALS--Continued

Map symbol and soil name	Pct. of map unit	Potential source of gravel		Potential source of sand	
		Rating class	Value	Rating class	Value
130:					
Brubeck	80	Poor		Poor	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.00
131:					
Brubeck	50	Poor		Poor	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.00
Diaz	35	Poor		Poor	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.00
132:					
Brubeck	50	Poor		Poor	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.00
Loomis	35	Poor		Poor	
		Thickest layer	0.00	Bottom layer	0.00
		Bottom layer	0.00	Thickest layer	0.00
133:					
Buckbay	35	Poor		Poor	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.00
Orhood	25	Poor		Poor	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.00
Devada	20	Poor		Poor	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.00
134:					
Buckbay	40	Poor		Poor	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.00
Orhood	25	Poor		Poor	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.00
Fredonyer	20	Poor		Poor	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.00
135:					
Bucklake	30	Poor		Poor	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.00
Corral	30	Not rated		Not rated	
		Bottom layer	0.00	Bottom layer	0.00
Rubble land	25	Poor		Poor	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.00
136:					
Bunanch	90	Fair		Poor	
		Bottom layer	0.06	Bottom layer	0.00
		Thickest layer	0.06	Thickest layer	0.00

TABLE 14.--CONSTRUCTION MATERIALS--Continued

Map symbol and soil name	Pct. of map unit	Potential source of gravel		Potential source of sand	
		Rating class	Value	Rating class	Value
137:					
Cagwin	85	Poor		Fair	
		Bottom layer	0.00	Bottom layer	0.10
		Thickest layer	0.00	Thickest layer	0.10
138:					
Cagwin	85	Poor		Fair	
		Bottom layer	0.00	Bottom layer	0.10
		Thickest layer	0.00	Thickest layer	0.10
139:					
Calnat	90	Poor		Poor	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.00
140:					
Calneva	85	Poor		Poor	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.00
141:					
Calneva	65	Poor		Poor	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.00
Playas, silty clay	20	Poor		Poor	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.00
142:					
Calpine	85	Poor		Fair	
		Bottom layer	0.00	Bottom layer	0.01
		Thickest layer	0.00	Thickest layer	0.05
143:					
Calpine	80	Poor		Fair	
		Bottom layer	0.00	Thickest layer	0.03
		Thickest layer	0.00	Bottom layer	0.03
144:					
Calpine	80	Poor		Fair	
		Bottom layer	0.00	Thickest layer	0.03
		Thickest layer	0.00	Bottom layer	0.03
145:					
Calpine	90	Poor		Fair	
		Bottom layer	0.00	Thickest layer	0.03
		Thickest layer	0.00	Bottom layer	0.33
146:					
Indiano	50	Poor		Poor	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.00
Chalco	30	Poor		Poor	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.00
147:					
Capona	55	Poor		Poor	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.00
Rock outcrop	30	Not rated		Not rated	
		Bottom layer	0.00	Bottom layer	0.00

TABLE 14.--CONSTRUCTION MATERIALS--Continued

Map symbol and soil name	Pct. of map unit	Potential source of gravel		Potential source of sand	
		Rating class	Value	Rating class	Value
148:					
Cewat	80	Fair		Poor	
		Thickest layer	0.00	Bottom layer	0.00
		Bottom layer	0.25	Thickest layer	0.00
149:					
Cewat	35	Fair		Poor	
		Thickest layer	0.00	Bottom layer	0.00
		Bottom layer	0.25	Thickest layer	0.00
McConnel	35	Fair		Poor	
		Thickest layer	0.00	Bottom layer	0.00
		Bottom layer	0.50	Thickest layer	0.00
Toulon	15	Fair		Poor	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.12	Thickest layer	0.00
150:					
Chappuis	80	Poor		Poor	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.00
151:					
Chappuis	85	Poor		Poor	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.00
152:					
Chimney	90	Poor		Fair	
		Bottom layer	0.00	Thickest layer	0.10
		Thickest layer	0.00	Bottom layer	0.11
153:					
Chimney	85	Poor		Fair	
		Bottom layer	0.00	Bottom layer	0.10
		Thickest layer	0.00	Thickest layer	0.10
154:					
Chimney	35	Poor		Fair	
		Bottom layer	0.00	Thickest layer	0.10
		Thickest layer	0.00	Bottom layer	0.11
Janile	35	Poor		Fair	
		Bottom layer	0.00	Bottom layer	0.10
		Thickest layer	0.00	Thickest layer	0.10
Waterman	15	Fair		Fair	
		Thickest layer	0.00	Thickest layer	0.00
		Bottom layer	0.06	Bottom layer	0.14
155:					
Chimney	40	Poor		Fair	
		Bottom layer	0.00	Bottom layer	0.10
		Thickest layer	0.00	Thickest layer	0.10
Janile	30	Poor		Fair	
		Bottom layer	0.00	Bottom layer	0.10
		Thickest layer	0.00	Thickest layer	0.10
Waterman	15	Fair		Fair	
		Thickest layer	0.00	Thickest layer	0.00
		Bottom layer	0.06	Bottom layer	0.14

TABLE 14.--CONSTRUCTION MATERIALS--Continued

Map symbol and soil name	Pct. of map unit	Potential source of gravel		Potential source of sand	
		Rating class	Value	Rating class	Value
156:					
Chimney	65	Poor		Fair	
		Bottom layer	0.00	Bottom layer	0.10
		Thickest layer	0.00	Thickest layer	0.10
Waterman	20	Fair		Fair	
		Thickest layer	0.00	Thickest layer	0.00
		Bottom layer	0.06	Bottom layer	0.14
157:					
Chirpchatter	85	Poor		Fair	
		Bottom layer	0.00	Thickest layer	0.00
		Thickest layer	0.00	Bottom layer	0.03
158:					
Cleghorn	90	Poor		Fair	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.04
159:					
Cleghorn	85	Poor		Fair	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.04
160:					
Cochran	85	Poor		Poor	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.00
161:					
Cochran	90	Poor		Poor	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.00
162:					
Corral	85	Poor		Poor	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.00
163:					
Corral	85	Poor		Poor	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.00
164:					
Corral	90	Poor		Poor	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.00
165:					
Corral	85	Poor		Poor	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.00
166:					
Corral	85	Poor		Poor	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.00
167:					
Corral	50	Poor		Poor	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.00
Chalco	35	Poor		Poor	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.00

TABLE 14.--CONSTRUCTION MATERIALS--Continued

Map symbol and soil name	Pct. of map unit	Potential source of gravel		Potential source of sand	
		Rating class	Value	Rating class	Value
168:					
Corral	60	Poor		Poor	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.00
Glenbrook	20	Poor		Fair	
		Bottom layer	0.00	Thickest layer	0.00
		Thickest layer	0.00	Bottom layer	0.10
169:					
Devada	50	Poor		Poor	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.00
Brubeck	45	Poor		Poor	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.00
170:					
Devada	35	Poor		Poor	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.00
Bucklake	35	Poor		Poor	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.00
171:					
Devada	40	Poor		Poor	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.00
Fivesprings	25	Poor		Poor	
		Thickest layer	0.00	Bottom layer	0.00
		Bottom layer	0.00	Thickest layer	0.00
Rubble land	20	Poor		Poor	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.00
172:					
Devada	60	Poor		Poor	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.00
Gavel	35	Poor		Poor	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.00
173:					
Devada	40	Poor		Poor	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.00
Gavel	25	Poor		Poor	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.00
Whitinger	15	Poor		Poor	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.00
174:					
Devada	35	Poor		Poor	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.00

TABLE 14.--CONSTRUCTION MATERIALS--Continued

Map symbol and soil name	Pct. of map unit	Potential source of gravel		Potential source of sand	
		Rating class	Value	Rating class	Value
Glean	30	Fair		Fair	
		Bottom layer	0.06	Bottom layer	0.04
		Thickest layer	0.06	Thickest layer	0.04
Sumine	20	Poor		Poor	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.00
175:					
Devada	60	Poor		Poor	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.00
Longcreek	30	Poor		Poor	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.00
176:					
Devada	30	Poor		Poor	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.00
Orhood	30	Poor		Poor	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.00
Hart Camp	25	Poor		Poor	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.00
177:					
Devada	40	Poor		Poor	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.00
Papeek	30	Poor		Poor	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.00
Gavel	20	Poor		Poor	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.00
178:					
Devada	40	Poor		Poor	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.00
Petescreek	25	Poor		Poor	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.00
Fiddler	20	Poor		Poor	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.00
179:					
Devada	70	Poor		Poor	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.00
Rock outcrop	20	Not rated		Not rated	
		Bottom layer	0.00	Bottom layer	0.00
180:					
Dotta	95	Poor		Fair	
		Bottom layer	0.00	Thickest layer	0.00
		Thickest layer	0.00	Bottom layer	0.03

TABLE 14.--CONSTRUCTION MATERIALS--Continued

Map symbol and soil name	Pct. of map unit	Potential source of gravel		Potential source of sand	
		Rating class	Value	Rating class	Value
181:					
Dotta	90	Poor		Fair	
		Bottom layer	0.00	Thickest layer	0.00
		Thickest layer	0.00	Bottom layer	0.03
182:					
Dryvalley	90	Poor		Fair	
		Bottom layer	0.00	Thickest layer	0.00
		Thickest layer	0.00	Bottom layer	0.10
183:					
Dryvalley	75	Poor		Poor	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.00
Playas, silty clay	15	Poor		Poor	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.00
184:					
Eaglelake	85	Poor		Poor	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.00
185:					
Eaglelake	50	Poor		Poor	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.00
Outland	25	Fair		Poor	
		Bottom layer	0.20	Bottom layer	0.00
		Thickest layer	0.20	Thickest layer	0.00
Weste	15	Poor		Fair	
		Thickest layer	0.00	Bottom layer	0.00
		Bottom layer	0.00	Thickest layer	0.04
186:					
Eaglelake	45	Poor		Poor	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.00
Outland	25	Fair		Poor	
		Bottom layer	0.20	Bottom layer	0.00
		Thickest layer	0.20	Thickest layer	0.00
Weste	15	Poor		Fair	
		Thickest layer	0.00	Bottom layer	0.00
		Bottom layer	0.00	Thickest layer	0.04
187:					
Eaglelake	45	Poor		Poor	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.00
Outland	25	Poor		Fair	
		Bottom layer	0.00	Bottom layer	0.03
		Thickest layer	0.00	Thickest layer	0.03
Weste	15	Poor		Poor	
		Thickest layer	0.00	Bottom layer	0.00
		Bottom layer	0.00	Thickest layer	0.00
188:					
Eaglelake	45	Poor		Poor	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.00

TABLE 14.--CONSTRUCTION MATERIALS--Continued

Map symbol and soil name	Pct. of map unit	Potential source of gravel		Potential source of sand	
		Rating class	Value	Rating class	Value
Outland	25	Poor		Fair	
		Bottom layer	0.00	Bottom layer	0.03
		Thickest layer	0.00	Thickest layer	0.03
Weste	15	Poor		Poor	
		Thickest layer	0.00	Bottom layer	0.00
		Bottom layer	0.00	Thickest layer	0.00
189:					
Easte	55	Fair		Poor	
		Bottom layer	0.38	Bottom layer	0.00
		Thickest layer	0.38	Thickest layer	0.00
Fredonyer	30	Poor		Poor	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.00
190:					
Easte	50	Fair		Poor	
		Bottom layer	0.38	Bottom layer	0.00
		Thickest layer	0.38	Thickest layer	0.00
Roop	35	Poor		Poor	
		Thickest layer	0.00	Bottom layer	0.00
		Bottom layer	0.00	Thickest layer	0.00
191:					
Easte	50	Fair		Poor	
		Bottom layer	0.38	Bottom layer	0.00
		Thickest layer	0.38	Thickest layer	0.00
Roop	40	Poor		Poor	
		Thickest layer	0.00	Bottom layer	0.00
		Bottom layer	0.00	Thickest layer	0.00
192:					
Epot	55	Poor		Fair	
		Bottom layer	0.00	Thickest layer	0.00
		Thickest layer	0.00	Bottom layer	0.08
Playas, silty clay	15	Poor		Poor	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.00
193:					
Epot	40	Poor		Fair	
		Bottom layer	0.00	Thickest layer	0.00
		Thickest layer	0.00	Bottom layer	0.08
Ragtown	30	Poor		Poor	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.00
Playas, silty clay	20	Poor		Poor	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.00
194:					
Fiddler	35	Poor		Poor	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.00
Gavel	30	Poor		Poor	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.00

TABLE 14.--CONSTRUCTION MATERIALS--Continued

Map symbol and soil name	Pct. of map unit	Potential source of gravel		Potential source of sand	
		Rating class	Value	Rating class	Value
Rubble land---------	15	Poor		Poor	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.00
195:					
Fiddler-------------	40	Poor		Poor	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.00
Gavel---------------	25	Poor		Poor	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.00
Rubble land---------	15	Poor		Poor	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.00
196:					
Fiddler-------------	45	Poor		Poor	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.00
Madeline------------	35	Not rated		Not rated	
		Bottom layer	0.00	Bottom layer	0.00
197:					
Fiddler-------------	30	Poor		Poor	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.00
Orhood--------------	30	Poor		Poor	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.00
Petescreek----------	25	Poor		Poor	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.00
198:					
Fivesprings---------	50	Poor		Poor	
		Thickest layer	0.00	Bottom layer	0.00
		Bottom layer	0.00	Thickest layer	0.00
Longcreek-----------	35	Poor		Poor	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.00
199:					
Fivesprings---------	50	Poor		Poor	
		Thickest layer	0.00	Bottom layer	0.00
		Bottom layer	0.00	Thickest layer	0.00
Longcreek-----------	40	Poor		Poor	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.00
200:					
Fivesprings---------	40	Poor		Poor	
		Thickest layer	0.00	Bottom layer	0.00
		Bottom layer	0.00	Thickest layer	0.00
Longcreek-----------	25	Poor		Poor	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.00
Rubble land---------	20	Poor		Poor	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.00

TABLE 14.--CONSTRUCTION MATERIALS--Continued

Map symbol and soil name	Pct. of map unit	Potential source of gravel		Potential source of sand	
		Rating class	Value	Rating class	Value
201:					
Fivesprings	40	Poor		Poor	
		Thickest layer	0.00	Bottom layer	0.00
		Bottom layer	0.00	Thickest layer	0.00
Rubble land	25	Poor		Poor	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.00
Devada	20	Poor		Poor	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.00
202:					
Fivesprings	50	Poor		Poor	
		Thickest layer	0.00	Bottom layer	0.00
		Bottom layer	0.00	Thickest layer	0.00
Sumine	35	Poor		Poor	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.00
203:					
Fluvents	70	Poor		Fair	
		Bottom layer	0.00	Thickest layer	0.00
		Thickest layer	0.00	Bottom layer	0.09
Riverwash	20	Fair		Fair	
		Bottom layer	0.25	Bottom layer	0.00
		Thickest layer	0.62	Thickest layer	0.63
204:					
Fordney	80	Poor		Fair	
		Bottom layer	0.00	Thickest layer	0.11
		Thickest layer	0.00	Bottom layer	0.13
205:					
Fordney	80	Poor		Fair	
		Bottom layer	0.00	Thickest layer	0.06
		Thickest layer	0.00	Bottom layer	0.13
206:					
Fordney	80	Poor		Fair	
		Bottom layer	0.00	Bottom layer	0.06
		Thickest layer	0.00	Thickest layer	0.08
207:					
Forgay	85	Fair		Fair	
		Bottom layer	0.32	Bottom layer	0.00
		Thickest layer	0.56	Thickest layer	0.01
208:					
Forgay	80	Fair		Fair	
		Bottom layer	0.32	Bottom layer	0.00
		Thickest layer	0.56	Thickest layer	0.01
209:					
Fortsage	90	Poor		Poor	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.00
210:					
Fortsage	90	Poor		Poor	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.00

TABLE 14.--CONSTRUCTION MATERIALS--Continued

Map symbol and soil name	Pct. of map unit	Potential source of gravel		Potential source of sand	
		Rating class	Value	Rating class	Value
211:					
Fraval	40	Poor		Poor	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.00
Fredonyer	25	Poor		Poor	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.00
Said	20	Poor		Poor	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.00
212:					
Fraval	60	Not rated		Not rated	
		Bottom layer	0.00	Bottom layer	0.00
Said	30	Poor		Poor	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.00
213:					
Fredonyer	45	Poor		Poor	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.00
Whitinger	25	Poor		Poor	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.00
Orhood	15	Poor		Poor	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.00
214:					
Fulstone	70	Poor		Poor	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.00
Wylo	20	Poor		Poor	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.00
215:					
Galeppi	80	Poor		Fair	
		Bottom layer	0.00	Thickest layer	0.03
		Thickest layer	0.00	Bottom layer	0.10
216:					
Galeppi	80	Poor		Fair	
		Bottom layer	0.00	Thickest layer	0.03
		Thickest layer	0.00	Bottom layer	0.10
217:					
Galeppi	65	Poor		Fair	
		Bottom layer	0.00	Thickest layer	0.10
		Thickest layer	0.00	Bottom layer	0.11
Glenbrook	15	Poor		Fair	
		Bottom layer	0.00	Thickest layer	0.00
		Thickest layer	0.00	Bottom layer	0.10
218:					
Gavel	85	Poor		Poor	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.00

TABLE 14.--CONSTRUCTION MATERIALS--Continued

Map symbol and soil name	Pct. of map unit	Potential source of gravel		Potential source of sand	
		Rating class	Value	Rating class	Value
219:					
Gavel	55	Poor		Poor	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.00
Devada	35	Poor		Poor	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.00
220:					
Gerlach	80	Poor		Poor	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.00
221:					
Gerlach	80	Poor		Poor	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.00
222:					
Gerlach	45	Poor		Poor	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.00
Ravendale	40	Poor		Poor	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.00
223:					
Gerle	90	Poor		Fair	
		Bottom layer	0.00	Thickest layer	0.03
		Thickest layer	0.00	Bottom layer	0.03
224:					
Gerle	85	Poor		Fair	
		Bottom layer	0.00	Bottom layer	0.02
		Thickest layer	0.00	Thickest layer	0.03
225:					
Gerle	50	Poor		Fair	
		Bottom layer	0.00	Bottom layer	0.02
		Thickest layer	0.00	Thickest layer	0.03
Gerle	25	Poor		Fair	
		Bottom layer	0.00	Bottom layer	0.02
		Thickest layer	0.00	Thickest layer	0.03
Gerle	15	Poor		Fair	
		Bottom layer	0.00	Bottom layer	0.02
		Thickest layer	0.00	Thickest layer	0.03
226:					
Glean	90	Fair		Fair	
		Bottom layer	0.06	Bottom layer	0.04
		Thickest layer	0.06	Thickest layer	0.04
227:					
Glean	85	Fair		Fair	
		Bottom layer	0.06	Bottom layer	0.04
		Thickest layer	0.06	Thickest layer	0.04
228:					
Glean	55	Fair		Poor	
		Bottom layer	0.06	Bottom layer	0.00
		Thickest layer	0.06	Thickest layer	0.00

TABLE 14.--CONSTRUCTION MATERIALS--Continued

Map symbol and soil name	Pct. of map unit	Potential source of gravel		Potential source of sand	
		Rating class	Value	Rating class	Value
Searles	30	Poor		Poor	
		Thickest layer	0.00	Bottom layer	0.00
		Bottom layer	0.00	Thickest layer	0.00
229:					
Glenbrook	40	Poor		Fair	
		Bottom layer	0.00	Thickest layer	0.00
		Thickest layer	0.00	Bottom layer	0.10
Graufels	30	Poor		Fair	
		Bottom layer	0.00	Thickest layer	0.09
		Thickest layer	0.00	Bottom layer	0.13
Rock outcrop	15	Not rated		Not rated	
		Bottom layer	0.00	Bottom layer	0.00
230:					
Graufels	50	Poor		Fair	
		Bottom layer	0.00	Thickest layer	0.09
		Thickest layer	0.00	Bottom layer	0.15
Glenbrook	35	Poor		Fair	
		Bottom layer	0.00	Thickest layer	0.00
		Thickest layer	0.00	Bottom layer	0.30
231:					
Hagata	60	Poor		Poor	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.00
Playas	30	Poor		Poor	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.00
232:					
Hangtown	75	Fair		Poor	
		Bottom layer	0.25	Bottom layer	0.00
		Thickest layer	0.25	Thickest layer	0.00
233:					
Hart Camp	40	Poor		Poor	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.00
Devada	30	Poor		Poor	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.00
Tunnison	15	Poor		Poor	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.00
234:					
Hart Camp	50	Poor		Poor	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.00
Madeline	35	Poor		Poor	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.00
235:					
Haypress	60	Poor		Fair	
		Bottom layer	0.00	Bottom layer	0.11
		Thickest layer	0.00	Thickest layer	0.11
Tanob	20	Poor		Fair	
		Bottom layer	0.00	Bottom layer	0.04
		Thickest layer	0.00	Thickest layer	0.04

TABLE 14.--CONSTRUCTION MATERIALS--Continued

Map symbol and soil name	Pct. of map unit	Potential source of gravel		Potential source of sand	
		Rating class	Value	Rating class	Value
236:					
Herjun	85	Poor		Fair	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.04
237:					
Herjun	80	Poor		Fair	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.04
238:					
Highrock, loamy fine sand	40	Poor		Poor	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.00
Mazuma	25	Poor		Fair	
		Bottom layer	0.00	Thickest layer	0.02
		Thickest layer	0.00	Bottom layer	0.03
Wespac	20	Poor		Fair	
		Bottom layer	0.00	Thickest layer	0.00
		Thickest layer	0.00	Bottom layer	0.50
239:					
Highrock, loamy fine sand	45	Poor		Poor	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.00
Wespac, fine sandy loam	25	Poor		Poor	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.00
Zorravista, loamy sand	20	Poor		Fair	
		Bottom layer	0.00	Thickest layer	0.08
		Thickest layer	0.00	Bottom layer	0.34
240:					
Home Camp	65	Poor		Poor	
		Thickest layer	0.00	Bottom layer	0.00
		Bottom layer	0.00	Thickest layer	0.00
Newlands	20	Poor		Poor	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.00
241:					
Honlak	80	Poor		Fair	
		Bottom layer	0.00	Thickest layer	0.00
		Thickest layer	0.00	Bottom layer	0.21
242:					
Horsecamp	85	Poor		Poor	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.00
243:					
Horsecamp	45	Poor		Poor	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.00
Brubeck	40	Poor		Poor	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.00

TABLE 14.--CONSTRUCTION MATERIALS--Continued

Map symbol and soil name	Pct. of map unit	Potential source of gravel		Potential source of sand	
		Rating class	Value	Rating class	Value
244:					
Horsecamp	45	Poor		Poor	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.00
Hunnton	40	Poor		Poor	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.00
245:					
Horsecamp, cobbly clay	55	Poor		Poor	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.00
Mahala	35	Poor		Poor	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.00
246:					
Humboldt	80	Poor		Poor	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.00
247:					
Humboldt	80	Poor		Poor	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.00
248:					
Humboldt	85	Poor		Poor	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.00
249:					
Humboldt	85	Poor		Poor	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.00
250:					
Hunnton	55	Poor		Poor	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.00
Shinnpeak	30	Poor		Poor	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.00
251:					
Incy	90	Poor		Fair	
		Bottom layer	0.00	Thickest layer	0.34
		Thickest layer	0.00	Bottom layer	0.34
252:					
Incy	85	Poor		Fair	
		Bottom layer	0.00	Thickest layer	0.34
		Thickest layer	0.00	Bottom layer	0.34
253:					
Indiano	55	Poor		Poor	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.00
Graufels	30	Poor		Fair	
		Bottom layer	0.00	Thickest layer	0.09
		Thickest layer	0.00	Bottom layer	0.13

TABLE 14.--CONSTRUCTION MATERIALS--Continued

Map symbol and soil name	Pct. of map unit	Potential source of gravel		Potential source of sand	
		Rating class	Value	Rating class	Value
254:					
Indiano	45	Poor		Poor	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.00
Searles	35	Poor		Poor	
		Thickest layer	0.00	Bottom layer	0.00
		Bottom layer	0.00	Thickest layer	0.00
255:					
Indiano	55	Poor		Poor	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.00
Searles	35	Poor		Poor	
		Thickest layer	0.00	Bottom layer	0.00
		Bottom layer	0.00	Thickest layer	0.00
256:					
Indiano	45	Poor		Poor	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.00
Zephan	30	Poor		Poor	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.00
Duco	15	Fair		Poor	
		Thickest layer	0.00	Bottom layer	0.00
		Bottom layer	0.06	Thickest layer	0.00
257:					
Inville	85	Poor		Fair	
		Thickest layer	0.00	Thickest layer	0.03
		Bottom layer	0.00	Bottom layer	0.16
258:					
Jauriga	85	Poor		Poor	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.00
259:					
Jauriga	40	Poor		Poor	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.00
Buckbay	25	Poor		Poor	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.00
Fredonyer	20	Poor		Poor	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.00
260:					
Keddie	95	Fair		Poor	
		Thickest layer	0.00	Bottom layer	0.00
		Bottom layer	0.19	Thickest layer	0.00
261:					
Keddie	85	Poor		Poor	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.00
262:					
Ladd	85	Poor		Fair	
		Bottom layer	0.00	Thickest layer	0.00
		Thickest layer	0.00	Bottom layer	0.04

TABLE 14.--CONSTRUCTION MATERIALS--Continued

Map symbol and soil name	Pct. of map unit	Potential source of gravel		Potential source of sand	
		Rating class	Value	Rating class	Value
263:					
Ladd	70	Poor		Fair	
		Bottom layer	0.00	Thickest layer	0.00
		Thickest layer	0.00	Bottom layer	0.04
Bieber	20	Poor		Poor	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.00
264:					
Lakeview	85	Poor		Poor	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.00
265:					
Lakeview	85	Poor		Poor	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.00
266:					
Lasco	90	Poor		Fair	
		Bottom layer	0.00	Bottom layer	0.03
		Thickest layer	0.00	Thickest layer	0.03
267:					
Lasco	95	Poor		Fair	
		Bottom layer	0.00	Bottom layer	0.03
		Thickest layer	0.00	Thickest layer	0.03
268:					
Lasco	90	Poor		Fair	
		Bottom layer	0.00	Bottom layer	0.03
		Thickest layer	0.00	Thickest layer	0.03
269:					
Lasco	65	Poor		Fair	
		Bottom layer	0.00	Bottom layer	0.03
		Thickest layer	0.00	Thickest layer	0.03
Bonta	25	Poor		Fair	
		Bottom layer	0.00	Bottom layer	0.05
		Thickest layer	0.00	Thickest layer	0.05
270:					
Lieberman	85	Poor		Fair	
		Bottom layer	0.00	Thickest layer	0.00
		Thickest layer	0.00	Bottom layer	0.50
271:					
Lieberman	50	Poor		Fair	
		Bottom layer	0.00	Thickest layer	0.00
		Thickest layer	0.00	Bottom layer	0.50
Herlong	35	Poor		Poor	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.00
272:					
Lodico	85	Poor		Poor	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.00
273:					
Longcreek	35	Poor		Poor	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.00

TABLE 14.--CONSTRUCTION MATERIALS--Continued

Map symbol and soil name	Pct. of map unit	Potential source of gravel		Potential source of sand	
		Rating class	Value	Rating class	Value
Devada	30	Poor		Poor	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.00
Rubble land	20	Poor		Poor	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.00
274:					
Longcreek	35	Poor		Poor	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.00
Devada	30	Poor		Poor	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.00
Rubble land	20	Poor		Poor	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.00
275:					
Loomis	85	Poor		Poor	
		Thickest layer	0.00	Bottom layer	0.00
		Bottom layer	0.00	Thickest layer	0.00
276:					
Loomis	55	Poor		Poor	
		Thickest layer	0.00	Bottom layer	0.00
		Bottom layer	0.00	Thickest layer	0.00
Fivesprings	30	Poor		Poor	
		Thickest layer	0.00	Bottom layer	0.00
		Bottom layer	0.00	Thickest layer	0.00
277:					
Loomis	65	Poor		Poor	
		Thickest layer	0.00	Bottom layer	0.00
		Bottom layer	0.00	Thickest layer	0.00
Rubble land	20	Poor		Poor	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.00
278:					
Madeline	35	Poor		Poor	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.00
Glean	30	Fair		Poor	
		Bottom layer	0.06	Bottom layer	0.00
		Thickest layer	0.06	Thickest layer	0.00
Devada	20	Poor		Poor	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.00
279:					
Madeline	45	Poor		Poor	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.00
Sumine	40	Poor		Poor	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.00

TABLE 14.--CONSTRUCTION MATERIALS--Continued

Map symbol and soil name	Pct. of map unit	Potential source of gravel		Potential source of sand	
		Rating class	Value	Rating class	Value
280:					
Massack	95	Poor		Fair	
		Bottom layer	0.00	Thickest layer	0.00
		Thickest layer	0.00	Bottom layer	0.03
281:					
Mazuma	80	Poor		Fair	
		Bottom layer	0.00	Thickest layer	0.02
		Thickest layer	0.00	Bottom layer	0.03
282:					
Mazuma	85	Poor		Fair	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.03
283:					
McConnel	60	Fair		Poor	
		Thickest layer	0.00	Bottom layer	0.00
		Bottom layer	0.50	Thickest layer	0.00
Mottsville	25	Poor		Fair	
		Bottom layer	0.00	Thickest layer	0.13
		Thickest layer	0.00	Bottom layer	0.33
284:					
Mcdermott	85	Poor		Poor	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.00
285:					
Modoc	70	Poor		Fair	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.03
Truax	20	Poor		Fair	
		Bottom layer	0.00	Thickest layer	0.00
		Thickest layer	0.00	Bottom layer	0.09
286:					
Mottsville	85	Poor		Fair	
		Bottom layer	0.00	Thickest layer	0.13
		Thickest layer	0.00	Bottom layer	0.33
287:					
Mottsville	85	Poor		Fair	
		Bottom layer	0.00	Thickest layer	0.13
		Thickest layer	0.00	Bottom layer	0.33
288:					
Mottsville	80	Poor		Fair	
		Bottom layer	0.00	Thickest layer	0.13
		Thickest layer	0.00	Bottom layer	0.33
289:					
Mottsville	80	Poor		Fair	
		Bottom layer	0.00	Thickest layer	0.13
		Thickest layer	0.00	Bottom layer	0.33
290:					
Mottsville	85	Poor		Fair	
		Bottom layer	0.00	Thickest layer	0.13
		Thickest layer	0.00	Bottom layer	0.33
291:					
Mottsville	90	Poor		Fair	
		Bottom layer	0.00	Thickest layer	0.13
		Thickest layer	0.00	Bottom layer	0.33

TABLE 14.--CONSTRUCTION MATERIALS--Continued

Map symbol and soil name	Pct. of map unit	Potential source of gravel		Potential source of sand	
		Rating class	Value	Rating class	Value
292:					
Mottsville	60	Poor		Fair	
		Bottom layer	0.00	Thickest layer	0.13
		Thickest layer	0.00	Bottom layer	0.33
Galeppi	30	Poor		Fair	
		Bottom layer	0.00	Thickest layer	0.03
		Thickest layer	0.00	Bottom layer	0.11
293:					
Mountmed	85	Poor		Poor	
		Thickest layer	0.00	Bottom layer	0.00
		Bottom layer	0.00	Thickest layer	0.00
294:					
Mountmed	85	Poor		Poor	
		Thickest layer	0.00	Bottom layer	0.00
		Bottom layer	0.00	Thickest layer	0.00
295:					
Mountmed	90	Poor		Fair	
		Bottom layer	0.00	Thickest layer	0.00
		Thickest layer	0.00	Bottom layer	0.01
296:					
Newlands	50	Poor		Poor	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.00
Hapgood	40	Poor		Poor	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.00
297:					
Ninemile	45	Poor		Poor	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.00
Home Camp	25	Poor		Poor	
		Thickest layer	0.00	Bottom layer	0.00
		Bottom layer	0.00	Thickest layer	0.00
Newlands	20	Poor		Poor	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.00
298:					
Ninemile	30	Poor		Poor	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.00
Petescreek	30	Poor		Poor	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.00
Fiddler	25	Poor		Poor	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.00
299:					
Ninemile	50	Poor		Poor	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.00
Weste	35	Fair		Fair	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.06	Thickest layer	0.04

TABLE 14.--CONSTRUCTION MATERIALS--Continued

Map symbol and soil name	Pct. of map unit	Potential source of gravel		Potential source of sand	
		Rating class	Value	Rating class	Value
300:					
Observation---------	35	Poor		Poor	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.00
Searles------------	30	Poor		Poor	
		Thickest layer	0.00	Bottom layer	0.00
		Bottom layer	0.00	Thickest layer	0.00
Madeline-----------	20	Poor		Poor	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.00
301:					
Observation---------	35	Poor		Poor	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.00
Searles------------	30	Poor		Poor	
		Thickest layer	0.00	Bottom layer	0.00
		Bottom layer	0.00	Thickest layer	0.00
Madeline-----------	20	Poor		Poor	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.00
302:					
Orhood-------------	80	Poor		Poor	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.00
303:					
Orr-----------------	85	Poor		Fair	
		Bottom layer	0.00	Thickest layer	0.03
		Thickest layer	0.00	Bottom layer	0.07
304:					
Outland------------	75	Poor		Poor	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.00
305:					
Outland------------	60	Fair		Poor	
		Thickest layer	0.20	Bottom layer	0.00
		Bottom layer	0.20	Thickest layer	0.00
Outland------------	30	Poor		Poor	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.00
306:					
Outland------------	60	Poor		Poor	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.00
Penstock-----------	25	Poor		Poor	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.00
307:					
Outland------------	60	Poor		Poor	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.00
Penstock-----------	25	Poor		Poor	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.00

TABLE 14.--CONSTRUCTION MATERIALS--Continued

Map symbol and soil name	Pct. of map unit	Potential source of gravel		Potential source of sand	
		Rating class	Value	Rating class	Value
308:					
Papeek	85	Poor		Poor	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.00
309:					
Papeek	95	Poor		Poor	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.00
310:					
Penstock	65	Poor		Poor	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.00
Deadwood	25	Fair		Fair	
		Thickest layer	0.00	Thickest layer	0.00
		Bottom layer	0.14	Bottom layer	0.03
311:					
Penstock	50	Poor		Poor	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.00
Deadwood	20	Fair		Fair	
		Thickest layer	0.00	Thickest layer	0.00
		Bottom layer	0.31	Bottom layer	0.03
Rock outcrop	15	Not rated		Not rated	
		Bottom layer	0.00	Bottom layer	0.00
312:					
Penstock	50	Poor		Poor	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.00
Scaribou, stony loam	40	Fair		Poor	
		Thickest layer	0.00	Bottom layer	0.00
		Bottom layer	0.06	Thickest layer	0.00
313:					
Penstock	45	Poor		Poor	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.00
Scaribou, stony loam	40	Fair		Poor	
		Thickest layer	0.00	Bottom layer	0.00
		Bottom layer	0.06	Thickest layer	0.00
314:					
Pequop, very cobbly loam	55	Fair		Poor	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.06	Thickest layer	0.00
Observation	30	Poor		Poor	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.00
315:					
Pequop	55	Fair		Poor	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.06	Thickest layer	0.00
Observation	30	Poor		Poor	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.00

TABLE 14.--CONSTRUCTION MATERIALS--Continued

Map symbol and soil name	Pct. of map unit	Potential source of gravel		Potential source of sand	
		Rating class	Value	Rating class	Value
316:					
Petescreek----------	40	Poor		Poor	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.00
Bucklake----------	25	Poor		Poor	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.00
Devada----------	20	Poor		Poor	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.00
317:					
Petescreek----------	40	Poor		Poor	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.00
Devada----------	25	Poor		Poor	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.00
Searles----------	20	Poor		Poor	
		Thickest layer	0.00	Bottom layer	0.00
		Bottom layer	0.00	Thickest layer	0.00
318:					
Petescreek----------	45	Poor		Poor	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.00
Devada----------	20	Poor		Poor	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.00
Searles----------	20	Poor		Poor	
		Thickest layer	0.00	Bottom layer	0.00
		Bottom layer	0.00	Thickest layer	0.00
319:					
Petescreek----------	60	Poor		Poor	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.00
Fredonyer----------	25	Poor		Poor	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.00
320:					
Petescreek----------	60	Poor		Poor	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.00
Fredonyer----------	25	Poor		Poor	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.00
321:					
Petescreek----------	35	Poor		Poor	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.00
Orhood----------	25	Poor		Poor	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.00
Fredonyer----------	20	Poor		Poor	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.00

TABLE 14.--CONSTRUCTION MATERIALS--Continued

Map symbol and soil name	Pct. of map unit	Potential source of gravel		Potential source of sand	
		Rating class	Value	Rating class	Value
322:					
Petescreek----------	50	Poor		Poor	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.00
Searles----------	30	Poor		Poor	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.00
323:					
Petescreek----------	45	Poor		Poor	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.00
Searles----------	25	Poor		Poor	
		Thickest layer	0.00	Bottom layer	0.00
		Bottom layer	0.00	Thickest layer	0.00
Orhood----------	20	Poor		Poor	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.00
324:					
Pit----------	80	Poor		Poor	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.00
325:					
Pits----------	50	Not rated		Not rated	
		Bottom layer	0.00	Bottom layer	0.00
Dumps----------	40	Not rated		Not rated	
		Bottom layer	0.00	Bottom layer	0.00
326:					
Playas, silty clay--	90	Poor		Poor	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.00
327:					
Plinco, gravelly sandy loam---------	85	Poor		Fair	
		Bottom layer	0.00	Bottom layer	0.03
		Thickest layer	0.00	Thickest layer	0.03
328:					
Plinco----------	90	Poor		Fair	
		Bottom layer	0.00	Bottom layer	0.03
		Thickest layer	0.00	Thickest layer	0.03
329:					
Puls----------	85	Poor		Poor	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.00
330:					
Puls----------	55	Poor		Poor	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.00
Ninekar----------	30	Poor		Poor	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.00
331:					
Puls----------	50	Poor		Poor	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.00

TABLE 14.--CONSTRUCTION MATERIALS--Continued

Map symbol and soil name	Pct. of map unit	Potential source of gravel		Potential source of sand	
		Rating class	Value	Rating class	Value
Tunnison	35	Poor		Poor	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.00
332:					
Quartzburg	60	Fair		Fair	
		Thickest layer	0.06	Bottom layer	0.14
		Bottom layer	0.06	Thickest layer	0.14
Scaribou	30	Poor		Poor	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.00
333:					
Ravendale	80	Poor		Poor	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.00
334:					
Ravendale	85	Poor		Poor	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.00
335:					
Ravendale	85	Poor		Poor	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.00
336:					
Ravendale	85	Poor		Poor	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.00
337:					
Redriver	45	Fair		Fair	
		Thickest layer	0.12	Bottom layer	0.02
		Bottom layer	0.12	Thickest layer	0.02
Gerle	35	Poor		Fair	
		Bottom layer	0.00	Bottom layer	0.02
		Thickest layer	0.00	Thickest layer	0.03
338:					
Redriver	50	Fair		Fair	
		Thickest layer	0.12	Bottom layer	0.02
		Bottom layer	0.12	Thickest layer	0.02
Weste	30	Fair		Fair	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.06	Thickest layer	0.04
339:					
Redriver, stony sandy loam	50	Fair		Fair	
		Thickest layer	0.09	Bottom layer	0.02
		Bottom layer	0.12	Thickest layer	0.02
Woodwest	20	Poor		Poor	
		Thickest layer	0.00	Thickest layer	0.00
		Bottom layer	0.00	Bottom layer	0.00
Wafla	15	Poor		Fair	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.03
340:					
Rices	85	Poor		Poor	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.00

TABLE 14.--CONSTRUCTION MATERIALS--Continued

Map symbol and soil name	Pct. of map unit	Potential source of gravel		Potential source of sand	
		Rating class	Value	Rating class	Value
341:					
Rose Creek----------	75	Poor		Fair	
		Bottom layer	0.00	Thickest layer	0.00
		Thickest layer	0.00	Bottom layer	0.01
342:					
Rose Creek----------	80	Poor		Poor	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.00
343:					
Rubble land---------	60	Poor		Poor	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.00
Fiddler-------------	25	Poor		Poor	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.00
344:					
Rubble land---------	40	Poor		Poor	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.00
Longcreek-----------	30	Poor		Poor	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.00
Fivesprings---------	20	Poor		Poor	
		Thickest layer	0.00	Bottom layer	0.00
		Bottom layer	0.00	Thickest layer	0.00
345:					
Rubble land---------	45	Poor		Poor	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.00
Rock outcrop--------	40	Not rated		Not rated	
		Bottom layer	0.00	Bottom layer	0.00
346:					
Rubble land---------	60	Poor		Poor	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.00
Weste---------------	20	Poor		Fair	
		Thickest layer	0.00	Bottom layer	0.00
		Bottom layer	0.00	Thickest layer	0.04
347:					
Saddlerock----------	80	Poor		Poor	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.00
348:					
Saddlerock----------	80	Poor		Poor	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.00
349:					
Saddlerock----------	80	Poor		Poor	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.00
350:					
Saddlerock----------	30	Poor		Poor	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.00

TABLE 14.--CONSTRUCTION MATERIALS--Continued

Map symbol and soil name	Pct. of map unit	Potential source of gravel		Potential source of sand	
		Rating class	Value	Rating class	Value
Yobe	30	Poor		Poor	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.00
Termo	25	Poor		Poor	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.00
351:					
Said	85	Poor		Poor	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.00
352:					
Said	50	Poor		Poor	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.00
Fraval	35	Poor		Poor	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.00
353:					
Said	60	Poor		Poor	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.00
Ninemile	25	Poor		Poor	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.00
354:					
Scaribou	85	Poor		Poor	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.00
355:					
Scaribou	55	Fair		Poor	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.06	Thickest layer	0.00
Penstock	20	Poor		Poor	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.00
Rock outcrop	15	Not rated		Not rated	
		Bottom layer	0.00	Bottom layer	0.00
356:					
Searles	35	Fair		Poor	
		Thickest layer	0.16	Bottom layer	0.00
		Bottom layer	0.38	Thickest layer	0.00
Devada	25	Poor		Poor	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.00
Fivesprings	25	Poor		Poor	
		Thickest layer	0.00	Bottom layer	0.00
		Bottom layer	0.00	Thickest layer	0.00
357:					
Searles	40	Fair		Poor	
		Thickest layer	0.16	Bottom layer	0.00
		Bottom layer	0.25	Thickest layer	0.00
Devada	25	Poor		Poor	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.00

TABLE 14.--CONSTRUCTION MATERIALS--Continued

Map symbol and soil name	Pct. of map unit	Potential source of gravel		Potential source of sand	
		Rating class	Value	Rating class	Value
Rubble land---------	20	Poor		Poor	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.00
358:					
Searles------------	50	Poor		Poor	
		Thickest layer	0.00	Bottom layer	0.00
		Bottom layer	0.00	Thickest layer	0.00
Glean---------------	35	Fair		Poor	
		Bottom layer	0.06	Bottom layer	0.00
		Thickest layer	0.06	Thickest layer	0.00
359:					
Searles------------	50	Poor		Poor	
		Thickest layer	0.00	Bottom layer	0.00
		Bottom layer	0.00	Thickest layer	0.00
Glean---------------	35	Fair		Poor	
		Bottom layer	0.06	Bottom layer	0.00
		Thickest layer	0.06	Thickest layer	0.00
360:					
Searles------------	35	Poor		Poor	
		Thickest layer	0.00	Bottom layer	0.00
		Bottom layer	0.00	Thickest layer	0.00
Orhood--------------	30	Poor		Poor	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.00
Devada--------------	20	Poor		Poor	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.00
361:					
Shinnpeak, very cobbly sandy loam--	85	Poor		Poor	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.00
362:					
Smocreek------------	90	Poor		Poor	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.00
363:					
Smocreek, silt loam-	80	Poor		Poor	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.00
364:					
Southpac------------	85	Poor		Poor	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.00
365:					
Springmeyer---------	95	Poor		Fair	
		Bottom layer	0.00	Thickest layer	0.00
		Thickest layer	0.00	Bottom layer	0.09
366:					
Springmeyer---------	95	Poor		Fair	
		Bottom layer	0.00	Thickest layer	0.00
		Thickest layer	0.00	Bottom layer	0.07

TABLE 14.--CONSTRUCTION MATERIALS--Continued

Map symbol and soil name	Pct. of map unit	Potential source of gravel		Potential source of sand	
		Rating class	Value	Rating class	Value
367:					
Stacy	85	Poor		Fair	
		Bottom layer	0.00	Thickest layer	0.03
		Thickest layer	0.00	Bottom layer	0.50
368:					
Standish	85	Poor		Fair	
		Bottom layer	0.00	Thickest layer	0.04
		Thickest layer	0.00	Bottom layer	0.72
369:					
Stiles	90	Poor		Poor	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.00
370:					
Sumine	35	Poor		Poor	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.00
Softscrabble, stony fine sandy loam	30	Poor		Poor	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.00
Hutchley	15	Poor		Poor	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.00
371:					
Susanville	85	Poor		Poor	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.00
372:					
Susanville	50	Poor		Poor	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.00
Smocreek	35	Poor		Poor	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.00
373:					
Swainow	40	Fair		Poor	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.12	Thickest layer	0.00
Almanor	30	Fair		Poor	
		Bottom layer	0.09	Bottom layer	0.00
		Thickest layer	0.09	Thickest layer	0.00
Tahand	20	Poor		Poor	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.00
374:					
Swainow, very stony sandy loam	65	Fair		Poor	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.12	Thickest layer	0.00
Almanor	20	Fair		Poor	
		Bottom layer	0.09	Bottom layer	0.00
		Thickest layer	0.09	Thickest layer	0.00

TABLE 14.--CONSTRUCTION MATERIALS--Continued

Map symbol and soil name	Pct. of map unit	Potential source of gravel		Potential source of sand	
		Rating class	Value	Rating class	Value
375:					
Swainow	50	Fair		Poor	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.12	Thickest layer	0.00
Redriver	35	Fair		Fair	
		Thickest layer	0.09	Bottom layer	0.02
		Bottom layer	0.12	Thickest layer	0.02
376:					
Swainow	55	Fair		Poor	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.12	Thickest layer	0.00
Tahand	35	Poor		Poor	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.00
377:					
Tahand	45	Poor		Poor	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.00
Baileycreek	35	Poor		Poor	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.00
378:					
Tahand	35	Poor		Poor	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.00
Swainow	30	Poor		Fair	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.04
Almanor	20	Fair		Poor	
		Bottom layer	0.09	Bottom layer	0.00
		Thickest layer	0.09	Thickest layer	0.00
379:					
Termo	50	Poor		Poor	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.00
Biscaro	30	Fair		Poor	
		Thickest layer	0.09	Bottom layer	0.00
		Bottom layer	0.50	Thickest layer	0.00
380:					
Termo	75	Poor		Poor	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.00
Playas	15	Poor		Poor	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.00
381:					
Termo	60	Poor		Poor	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.00
Springmeyer	15	Poor		Fair	
		Bottom layer	0.00	Thickest layer	0.00
		Thickest layer	0.00	Bottom layer	0.06

TABLE 14.--CONSTRUCTION MATERIALS--Continued

Map symbol and soil name	Pct. of map unit	Potential source of gravel		Potential source of sand	
		Rating class	Value	Rating class	Value
Smocreek----------	10	Poor		Poor	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.00
382:					
Toiyabe----------	50	Poor		Fair	
		Bottom layer	0.00	Thickest layer	0.00
		Thickest layer	0.00	Bottom layer	0.11
Lasco----------	20	Poor		Poor	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.00
Quartzburg----------	15	Fair		Poor	
		Thickest layer	0.06	Bottom layer	0.00
		Bottom layer	0.06	Thickest layer	0.00
383:					
Toiyabe----------	55	Poor		Fair	
		Bottom layer	0.00	Thickest layer	0.00
		Thickest layer	0.00	Bottom layer	0.11
Lasco----------	30	Poor		Poor	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.00
384:					
Torriorthents-------	65	Poor		Poor	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.00
Zorravista----------	25	Poor		Fair	
		Bottom layer	0.00	Thickest layer	0.08
		Thickest layer	0.00	Bottom layer	0.33
385:					
Truax----------	85	Poor		Fair	
		Bottom layer	0.00	Thickest layer	0.00
		Thickest layer	0.00	Bottom layer	0.09
386:					
Truckee----------	90	Poor		Poor	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.00
387:					
Truckee----------	55	Poor		Poor	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.00
Humboldt----------	30	Poor		Poor	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.00
388:					
Tunnison----------	85	Poor		Poor	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.00
389:					
Tunnison----------	60	Poor		Poor	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.00
Devada----------	30	Poor		Poor	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.00

TABLE 14.--CONSTRUCTION MATERIALS--Continued

Map symbol and soil name	Pct. of map unit	Potential source of gravel		Potential source of sand	
		Rating class	Value	Rating class	Value
390:					
Tunnison	50	Poor		Poor	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.00
Devada	45	Poor		Poor	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.00
391:					
Ulhalf	85	Poor		Poor	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.00
392:					
Ulhalf	90	Poor		Poor	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.00
393:					
Ulhalf	60	Poor		Poor	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.00
Gavel	30	Poor		Poor	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.00
394:					
Ulhalf	60	Poor		Poor	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.00
Southpac	30	Poor		Poor	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.00
395:					
Verdico	50	Poor		Poor	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.00
Chalco	40	Poor		Poor	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.00
396:					
Wespac	85	Poor		Fair	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.82
397:					
Wespac	50	Poor		Poor	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.00
Playas	30	Poor		Poor	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.00
398:					
Weste	35	Poor		Poor	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.00
Baileycreek	30	Poor		Poor	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.00

TABLE 14.--CONSTRUCTION MATERIALS--Continued

Map symbol and soil name	Pct. of map unit	Potential source of gravel		Potential source of sand	
		Rating class	Value	Rating class	Value
Tahand	20	Poor		Poor	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.00
399:					
Weste	65	Fair		Fair	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.06	Thickest layer	0.04
Rock outcrop	15	Not rated		Not rated	
		Bottom layer	0.00	Bottom layer	0.00
400:					
Whitinger	45	Poor		Poor	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.00
Devada	35	Poor		Poor	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.00
401:					
Whorled	45	Fair		Fair	
		Thickest layer	0.19	Bottom layer	0.02
		Bottom layer	0.19	Thickest layer	0.02
Almanor	35	Fair		Poor	
		Bottom layer	0.09	Bottom layer	0.00
		Thickest layer	0.09	Thickest layer	0.00
402:					
Wylo	50	Poor		Poor	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.00
Bucklake	35	Poor		Poor	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.00
403:					
Wylo	40	Poor		Poor	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.00
Diaz	30	Poor		Poor	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.00
Brubeck	15	Poor		Poor	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.00
404:					
Wylo	40	Poor		Poor	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.00
Pickup	30	Poor		Poor	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.00
Bucklake	20	Poor		Poor	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.00