

FRAMEWORK FOR REPRESENTATIVENESS ASSESSMENT OF
RESEARCH NATURAL AREAS ON NATIONAL FOREST SYSTEM
LANDS IN IDAHO

by

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Introduction

Biological diversity encompasses all levels of natural variation, from molecules to species to landscapes. With the complexity of biological and physical components and variability on spatial and temporal scales, biological diversity is difficult to understand or characterize unless it is partitioned into components of repeated patterns (Huston 1994). This is a conceptual objective of the coarse filter/fine filter approach to conservation of biological diversity. The idea is that protected areas containing representative examples of all communities (or ecosystems) will protect viable populations of most species, biotic interactions and ecological processes. For the remaining, a fine filter is needed, for example, conservation plans reflecting the specific needs of individual species. The coarse filter is used to develop conservation strategies for all components of native ecosystems (Bourgeron and Engelking 1994; Grossman et al. 1994; Hunter 1991; Noss et al. 1995). Basic guidelines for the selection and establishment of research natural areas conceptually embrace the coarse filter approach to the conservation of biological diversity: Research natural areas are part of a national network of ecological areas designated in perpetuity for research, education and the maintenance biological diversity on National Forest System (NFS) lands (Forest Service Manual 4063).

One principle of the ecosystem management paradigm is that maintenance of biological diversity is key to sustaining the health and productivity of ecosystems (Jensen and Everett 1994). In part, administrative investments in the principles of ecosystem management have grown out of the low efficiency and high cost of a species-by-species approach to the maintenance of viable populations of plant and animal species (Hunter 1991; Noss et al. 1995). Ecosystem management and the coarse filter approach to conservation of biological diversity are mutually complementary.

The prominence of ecosystem management concepts has increased current focus on the concept of historic range of variability; the characterization of fluctuations in ecosystem conditions and/or processes over time. This concept developed out of the need to view the dynamic nature of ecosystems. In many intensively managed landscapes dedicated conservation sites will serve as reference areas for management and research. Where this is not possible, additional areas should be identified (Morgan et al. 1994).

Research natural areas are established to preserve a wide spectrum of pristine, representative areas that typify important forest, woodland, shrubland, grassland and alpine plant communities (Forest Service Manual 4063). The first assessment of, and formative biological direction for, attainment of this objective on NFS lands in Idaho was provided by Wellner and Johnson (1974) and subsequently refined by Daubenmire (1975) and Johnson and Pfister (1981 and 1982). The systematic classification of the biological and physical components of Idaho's natural heritage and the identification of potential conservation sites for the representation of these elements contributed to early regional land and resource management planning. The Regional Guide for the Intermountain Region (USDA Forest Service 1984) recognizes Wellner and Johnson (1974) as the authority for assessing natural area needs. The Northern Regional Guide (USDA Forest Service 1983) provides a natural area needs assessment and assigns establishment targets to individual Forests on the Region. Publication of regional plant community classifications (Steele et al. 1981; 1983; Hironaka et al. 1983; Mueggler and Campbell 1982; Cooper et al. 1991) contributed to the most recent assessment of the representative quality of natural areas on NFS lands in Idaho (Wellner and Tisdale 1985).

The biological significance of conservation sites is often assessed through analysis of rarity, richness, representativeness and viability (Grossman et al. 1994). Representativeness refers to the idea that a dedicated conservation site or system of such sites should contain biota and biophysical characteristics that represent the range of natural variability found within the associated region. Representativeness requires the assessment of how well a site or group of sites exemplifies the variability of the biota and environment of a larger area (Bourgeron et al. 1995; Mackey et al. 1988). The following objectives are identified as components of the assessment of the representativeness of research natural areas on NFS lands in Idaho: (1) provide a list of plant communities that occur in Idaho, (2) summarize the distribution and relative

abundance of plant communities by ecological region, (3) summarize the representation of plant communities in research natural areas on NFS lands, by ecological section and (4) identify plant communities that are poorly represented in the natural area network. The intention of this report is to provide an initial framework for the assessment.

Nearly 700 plant community elements are believed to occur in Idaho. This report provides a list of these plant communities within the framework of a regional hierarchical vegetation classification. The distribution of plant community elements in Idaho is summarized by ecological region. The representation of these biological elements within the 118 research natural areas recognized on NFS lands in Idaho is summarized by ecological region. Within this natural area network 303 plant community elements are represented by 907 occurrences in a total area of approximately 92,000 acres.

Plant Community Classification

Plant communities may be characterized as recurrent assemblages of species coexisting in similar landscape features (Bourgeron and Engelking 1994). An important assumption of the coarse filter approach to conservation is that ecological units are relatively stable and predictable. To adequately provide for the conservation of populations and habitats of plant and animal species, biotic interactions and ecological processes, the coarse filter strategy is best based on ecological land classification systems (Hunter 1991; Haufler 1994; Haufler and Irwin 1993).

To assess the conservation of plant communities within and between large ecological provinces, it is necessary to recognize a regional vegetation classification. The Western Regional Vegetation Classification (WRVC) (Bourgeron and Engelking 1994) was prepared to fulfill this need. Plant community elements described in western United States are consolidated and classified (after Driscoll et al. 1984) within a six-tiered hierarchical classification framework involving four physiognomic levels (class, subclass, group and formation) and two floristic levels (alliance and plant association).

The individual distributions of species give rise to variation in species composition over the range of a particular community element. Due to administrative and logistic factors, considerable variation occurs in the geographical scope of work in community ecology and to what degree biological differences in composition and structure are resolved. In compiling a regional classification, these factors contribute to problems with the compatibility of community elements described by different authors. As well, Idaho lies at the joining of five ecological provinces (Figure 1; Bailey et al. 1994; McNab and Avers 1994), and thus, occurs at the periphery of the distributional range of a number of plant community elements. Uncertainty in the classification of vegetation in Idaho may be attributed to the following sources: (1) plant community elements based only on field observations (formal data collection and analysis have not contributed to the recognition of the elements); (2) plant communities that are described outside our area; only observational data support the occurrence of the element in our area; and (3) communities that are described over a small area relative to the expected range of the element (the relevance of the classification work to the expected range has not been formally documented) (see Grossman et al. 1994).

The 681 plant community elements (habitat types, phases of habitat types and community types) known or expected to occur in Idaho are listed by (WRVC) subclass in Table 1. The vegetation classification includes (1) natural vegetation (vegetation which is not significantly altered by human activities) and (2) semi-natural vegetation (exotic species are present but occur within an accepted range of abundance). The classification focuses on habitat types (i.e., ecological land classification units) but also includes community types (existing vegetation units) that are recurrent and prominent over the landscape. Vegetation resulting from human activities (anthropogenic vegetation) is not included in the classification. Principle authorship for each community is identified as a basis for comparing composition and structure and resolving issues of synonymy. Notes on the level of confidence (as discussed above) in many of the plant community classification units are provided.

The WRVC was developed to provide a regional vegetation classification framework. It is currently being revised to maintain compatibility with national and international vegetation classification frameworks. The current assignment of plant communities within the WRVC hierarchy is preliminary and is likely to change.

Approximately 27 percent of the plant community elements thought to occur in Idaho require further quantitative documentation (indicated by §, ‡, or ¶ in Table 1 and as described above). A good number of these communities are reported for natural areas in Idaho. Quantitative documentation of composition and structure will provide the basis for comparison. Lacking this information, it is difficult to accurately assess the regional conservation status of these plant community elements.

Representation within Designated and Proposed Research Natural Areas

The expected distribution of plant community elements thought to occur in Idaho is summarized by ecological section in Table 2. These tables were derived from Reid et al. (1994), then subsequently modified based on plant community element occurrence data and the literature. Plant communities listed for each section are only those expected to occur in Idaho. Plant community elements are listed by WRVC subclass (as in Table 1) with the count of occurrences, the sum of the area of representation in NFS research natural areas in Idaho, and the natural areas in which the element occurs (NFS research natural areas in Idaho are indicated by two letter codes (see Table 3); the full name of other areas is given).

Research natural areas on NFS lands in Idaho are listed by ecological section (Bailey et al. 1994; McNab and Avers 1994) with size and minimum and maximum elevation (and see Figure 1 for geographic distribution) in Table 3; by administrative unit in Table 4.

Values for phases of habitat types are summarized in Table 2 within the respective habitat type. The count of occurrences for a given element does not necessarily equal the number of NFS research natural areas listed for that element. The occurrence of two or three phases of a particular habitat type at one natural area is not uncommon.

In an initial review of the information presented in Table 2, it appears that the representation of plant communities is disproportional by ecological section and vegetation subclass. Information on plant community element occurrences in natural areas in the Washington, Oregon, Utah, and Montana portions of ecological sections adjoining Idaho (Washington Natural Heritage Program 1993; Oregon Natural Heritage Council, 1993) has been incorporated in Table 2. Information on plant community element occurrences in other dedicated conservation sites in Idaho (Bureau of Land Management RNAs and ACECs, Idaho Department of Fish and Game WMAs, TNC Preserves, etc.) has been incorporated where available. Information for natural areas in ecological sections adjoining portions of Wyoming and Nevada has not been incorporated at this time.

Deciduous forest, deciduous shrubland, and short grassland communities appear to be most poorly represented throughout the natural area network. In part, this is an artifact of the history of inventory work contributing to the identification of research natural areas and related descriptive community ecology: Deciduous shrubland and short grassland communities occur in recognized research natural areas but are inadequately described (e.g., simply identified as "wet meadow") as inventory work was completed prior to the availability of applicable community classification work.

Conclusion

The objective of this report is to provide an initial framework for an assessment of the representative quality of research natural areas in Idaho. Four tables are presented which summarize information pertinent to the following objectives: develop a comprehensive list of plant communities that occur in Idaho, summarize the distribution and relative abundance of these communities by ecological region, and summarize their

representation in research natural areas on NFS lands, by ecological section. Table 1 is a list of plant communities that are expected to occur in Idaho. Table 2 is a summary of the distribution of plant communities by ecological section. Some of the information presented here will meet certain disagreement. This is welcome. Tables 1 and 2, in particular, are presented for review and comment.

Capability to resolve the representative quality of research natural areas on NFS lands in Idaho, and to identify priorities for enhanced representation, is hindered by relative lack of knowledge of what occurs on pertinent non-NFS natural areas and, for key components (e.g., shrub and grassland communities), what occurs on natural areas on NFS lands. The presence of undescribed plant community elements and the increasing desire and demand to work within and between large ecological provinces emphasize the need for quantitative documentation of natural area plant community element occurrences.

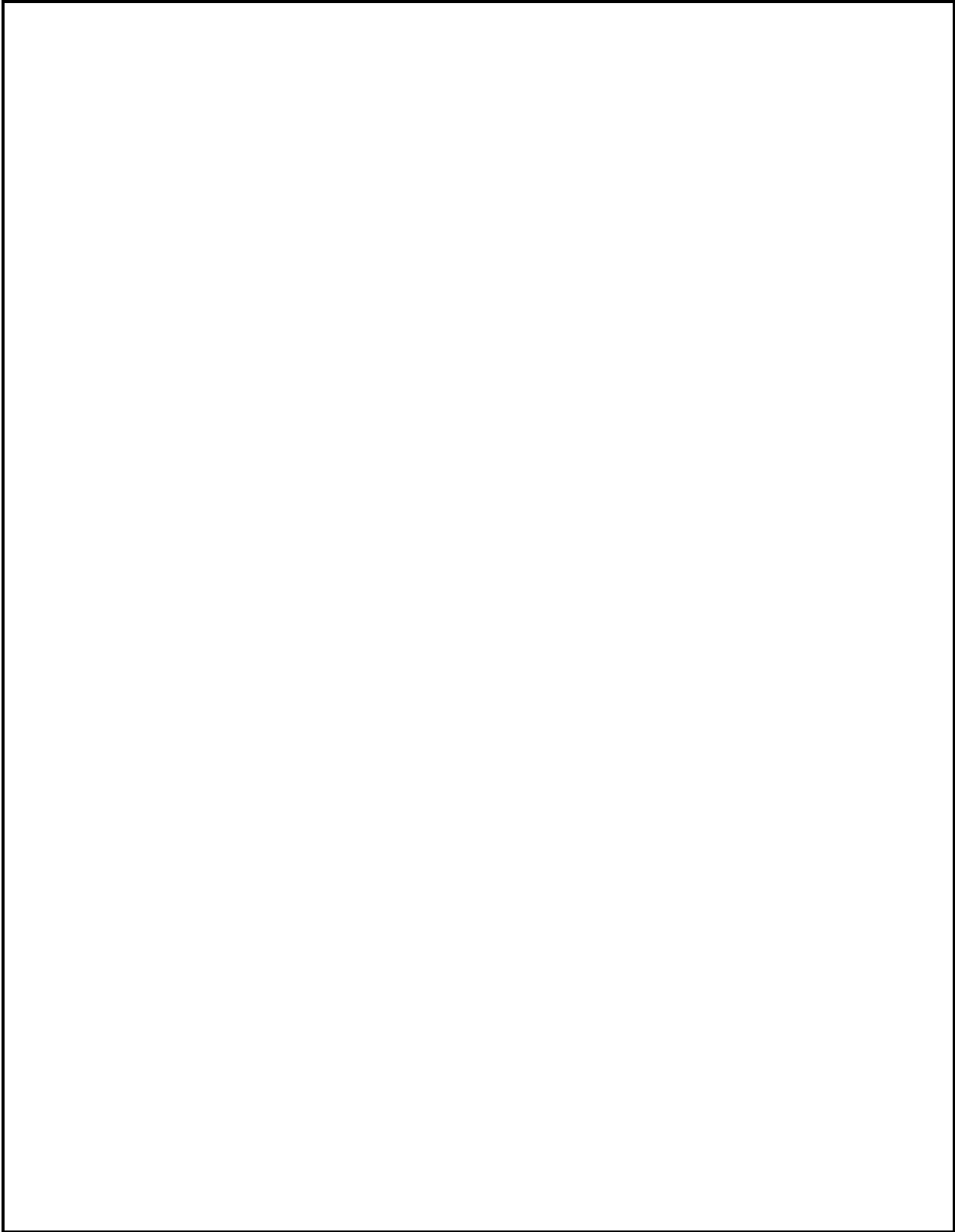


Figure 1. The distribution of RNAs in Idaho within ecological sections (from Bailey et al. 1994).

Table 1. Plant communities known or expected to occur in Idaho are listed by UNESCO vegetation classification subclass, with reference to principle descriptive works and the level of confidence in the occurrence of the plant community element in Idaho (parenthetic notes are listed at the end of the table).

EVERGREEN FOREST

ABIES GRANDIS/ACER GLABRUM (60)
 ACER GLABRUM PHASE (60)
 PHYSOCARPUS MALVACEUS PHASE (60)
 ABIES GRANDIS/ADIANTUM PEDATUM (69§)
 ABIES GRANDIS/ASARUM CAUDATUM (14)
 ASARUM CAUDATUM PHASE (14)
 MENZIESIA FERRUGINEA PHASE (14)
 ABIES GRANDIS/CLINTONIA UNIFLORA (60)
 CLINTONIA UNIFLORA PHASE (14)
 MENZIESIA FERRUGINIA PHASE (14)
 PHYSOCARPUS MALVACEUS PHASE (14)
 XEROPHYLLUM TENAX PHASE (14)
 ABIES GRANDIS/COPTIS OCCIDENTALIS (60)
 ABIES GRANDIS/LINNAEA BOREALIS (60)
 LINNAEA BOREALIS PHASE (60)
 VACCINIUM GLOBULARE PHASE (60)
 XEROPHYLLUM TENAX PHASE (60)
 ABIES GRANDIS/PHYSOCARPUS MALVACEUS (14)
 COPTIS OCCIDENTALIS PHASE (14)
 PHYSOCARPUS MALVACEUS PHASE (14)
 ABIES GRANDIS/SENECIO TRIANGULARIS (14)
 ABIES GRANDIS/SPIRAEA BETULIFOLIA (60)
 ABIES GRANDIS/TAXUS BREVIFOLIA/ASARUM CAUDATUM (16)
 ABIES GRANDIS/TAXUS BREVIFOLIA/CLINTONIA UNIFLORA (16)
 ABIES GRANDIS/VACCINIUM CAESPITOSUM (60)
 ABIES GRANDIS/VACCINIUM GLOBULARE (60)
 ABIES GRANDIS/XEROPHYLLUM TENAX (60)
 COPTIS OCCIDENTALIS PHASE (14)
 VACCINIUM GLOBULARE PHASE (14)
 ABIES LASIOCARPA/ACER GLABRUM (60)
 PACHISTIMA MYRSINITES PHASE (61)
 ABIES LASIOCARPA/ACTAEA RUBRA (61)
 ABIES LASIOCARPA/ALNUS SINUATA (60)
 ABIES LASIOCARPA/ARNICA CORDIFOLIA (60)
 ARNICA CORDIFOLIA PHASE (61)
 ASTRAGALUS MISER PHASE (61)
 PICEA ENGELMANNII PHASE (61)
 SHEPHERDIA CANADENSIS PHASE (61)
 ABIES LASIOCARPA/ARNICA LATIFOLIA (61)
 ABIES LASIOCARPA/Berberis repens (61)
 ABIES LASIOCARPA/CALAMAGROSTIS CANADENSIS (60)
 CALAMAGROSTIS CANADENSIS PHASE (60)
 LEDUM GLANDULOSUM PHASE (60)
 LIGUSTICUM CANBYI PHASE (60)
 VACCINIUM CAESPITOSUM PHASE (60)
 ABIES LASIOCARPA/CALAMAGROSTIS RUBESCENS (60)
 CALAMAGROSTIS RUBESCENS PHASE (61)
 PACHISTIMA MYSINITES PHASE (61)
 ABIES LASIOCARPA/CALTHA BIFLORA (60)
 ABIES LASIOCARPA/CAREX GEYERI (60)
 ARTEMISIA TRIDENTATA SSP. VASEYANA PHASE (60)
 CAREX GEYERI PHASE (60)
 ABIES LASIOCARPA/CAREX ROSSII (61)
 ABIES LASIOCARPA/CLINTONIA UNIFLORA (60)
 CLINTONIA UNIFLORA PHASE (60)
 MENZIESIA FERRUGINEA PHASE (60)
 XEROPHYLLUM TENAX PHASE (14)
 ABIES LASIOCARPA/COPTIS OCCIDENTALIS (60)
 ABIES LASIOCARPA/LEDUM GLANDULOSUM (28‡)
 ABIES LASIOCARPA/LINNAEA BOREALIS (60)
 LINNAEA BOREALIS PHASE (60)

VACCINIUM SCOPARIUM PHASE (60)
 XEROPHYLLUM TENAX PHASE (60)
 ABIES LASIOCARPA/LUZULA HITCHCOCKII (60)
 LUZULA HITCHCOCKII PHASE (60)
 VACCINIUM SCOPARIUM PHASE (60)
 ABIES LASIOCARPA/MENZIESIA FERRUGINEA (60)
 COPTIS OCCIDENTALIS PHASE (14)
 LUZULA HITCHCOCKII PHASE (14)
 MENZIESIA FERRUGINEA PHASE (61)
 VACCINIUM SCOPARIUM PHASE (14)
 XEROPHYLLUM TENAX PHASE (14)
 ABIES LASIOCARPA/OPLOPANAX HORRIDUM (57)
 ABIES LASIOCARPA/OSMORHIZA CHILENSIS (61)
 OSMORHIZA CHILENSIS PHASE (61)
 PACHISTIMA MYRSINITES PHASE (61)
 ABIES LASIOCARPA/PEDICULARIS RACEMOSA (61)
 ABIES LASIOCARPA/PHYSOCARPUS MALVACEUS (61)
 ABIES LASIOCARPA/RHODODENDRON ALBIFLORUM (71§)
 ABIES LASIOCARPA/RIBES MONTIGENUM (60)
 PINUS ALBICAULIS PHASE (61)
 RIBES MONTIGENUM PHASE (61)
 ABIES LASIOCARPA/SHEPHERDIA CANADENSIS (72§)
 ABIES LASIOCARPA/SPIRAEA BETULIFOLIA (60)
 ABIES LASIOCARPA/STREPTOPUS AMPLEXIFOLIUS (60)
 LIGUSTICUM CANBYI PHASE (61)
 MENZIESIA FERRUGINEA PHASE (14)
 STREPTOPUS AMPLEXIFOLIUS PHASE (61)
 ABIES LASIOCARPA/SYMPHORICARPOS ALBUS (61)
 ABIES LASIOCARPA/THALICTRUM OCCIDENTALE (61)
 ABIES LASIOCARPA/VACCINIUM CAESPITOSUM (60)
 ABIES LASIOCARPA/VACCINIUM GLOBULARE (60)
 PACHISTIMA MYRSINITES PHASE (61)
 VACCINIUM GLOBULARE PHASE (60)
 VACCINIUM SCOPARIUM PHASE (60)
 ABIES LASIOCARPA/VACCINIUM SCOPARIUM (60)
 CALAMAGROSTIS RUBESCENS PHASE (60)
 PINUS ALBICAULIS PHASE (60)
 VACCINIUM SCOPARIUM PHASE (60)
 ABIES LASIOCARPA/XEROPHYLLUM TENAX (60)
 COPTIS OCCIDENTALIS PHASE (14)
 LUZULA HITCHCOCKII PHASE (60)
 VACCINIUM GLOBULARE PHASE (60)
 VACCINIUM SCOPARIUM PHASE (60)
 PICEA ENGELMANNII/ARNICA CORDIFOLIA (61)
 PICEA ENGELMANNII/CALAMAGROSTIS CANADENSIS (73)
 PICEA ENGELMANNII/CALTHA LEPTOSEPALA (61)
 PICEA ENGELMANNII/CAREX DISPERMA (60)
 PICEA ENGELMANNII/CAREX SCOPULORUM VAR. PRIONOPHYLLA (39‡)
 PICEA ENGELMANNII/EQUISETUM ARVENSE (60)
 PICEA ENGELMANNII/GALIUM TRIFLORUM (60)
 PICEA ENGELMANNII/HYPNUM REVOLUTUM (60)
 PICEA ENGELMANNII/JUNIPERUS COMMUNIS (61)
 PICEA ENGELMANNII/RIBES MONTIGENUM (61)
 PICEA GLAUCA/CAREX DISPERMA (64¶)
 PICEA GLAUCA/CAREX UTRICULATA (32)
 PICEA GLAUCA/EQUISETUM ARVENSE (32)
 PINUS ALBICAULIS (TIMBERLINE) (71§)
 PINUS ALBICAULIS/CAREX ROSSII (61)
 PINUS CONTORTA PHASE (61)
 PINUS ALBICAULIS/LEUCOPOA KINGII (§)
 PINUS ALBICAULIS/POA NERVOSA (69§)
 PINUS ALBICAULIS/VACCINIUM SCOPARIUM (61)
 PINUS CONTORTA/ARNICA CORDIFOLIA (61)
 PINUS CONTORTA/CALAMAGROSTIS CANADENSIS (55¶)

PINUS CONTORTA/CALAMAGROSTIS RUBESCENS (61)
 PINUS CONTORTA/CAREX GEYERI (60)
 PINUS CONTORTA/FESTUCA IDAHOENSIS (60)
 PINUS CONTORTA/SPIRAEA BETULIFOLIA (61)
 PINUS CONTORTA/VACCINIUM CAESPITOSUM (60)
 PINUS CONTORTA/VACCINIUM GLOBULARE (61)
 PINUS CONTORTA/VACCINIUM OCCIDENTALE (64¶)
 PINUS CONTORTA/VACCINIUM SCOPARIUM (60)
 PINUS CONTORTA/XEROPHYLLUM TENAX (14)
 PINUS PONDEROSA/CALAMAGROSTIS RUBESCENS (70§)
 PINUS PONDEROSA/FESTUCA SCABRELLA (44‡)
 PINUS PONDEROSA/PHYSOCARPUS MALVACEUS (60)
 PINUS PONDEROSA/SYMPHORICARPOS ALBUS (60)
 PINUS PONDEROSA/SYMPHORICARPOS OREOPHILUS (60)
 PSEUDOTSUGA MENZIESII/ACER GLABRUM (60)
 ACER GLABRUM PHASE (60)
 SYMPHORICARPOS OREOPHILUS PHASE (60)
 PSEUDOTSUGA MENZIESII/ARCTOSTAPHYLOS UVA-URSI-PURSHIA TRIDENTATA (44‡)
 PSEUDOTSUGA MENZIESII/ARNICA CORDIFOLIA (60)
 ARNICA CORDIFOLIA PHASE (60)
 ASTRAGALUS MISER PHASE (60)
 PSEUDOTSUGA MENZIESII/Berberis repens (60)
 BERBERIS REPENS PHASE (60)
 CAREX GEYERI PHASE (60)
 SYMPHORICARPOS OREOPHILUS PHASE (60)
 PSEUDOTSUGA MENZIESII/CALAMAGROSTIS RUBESCENS (60)
 ARCTOSTAPHYLOS UVA-URSI PHASE (14)
 CALAMAGROSTIS RUBESCENS PHASE (60)
 FESTUCA IDAHOENSIS PHASE (60)
 PACHISTIMA MYRSINITES PHASE (61)
 PINUS PONDEROSA PHASE (60)
 PSEUDOTSUGA MENZIESII/CAREX GEYERI (60)
 CAREX GEYERI PHASE (60)
 PINUS PONDEROSA PHASE (60)
 SYMPHORICARPOS OREOPHILUS PHASE (60)
 PSEUDOTSUGA MENZIESII/JUNIPERUS COMMUNIS (60)
 PSEUDOTSUGA MENZIESII/JUNIPERUS SCOPULORUM (66§)
 PSEUDOTSUGA MENZIESII/LEUCOPOA KINGII (66§)
 PSEUDOTSUGA MENZIESII/LINNAEA BOREALIS (60)
 PSEUDOTSUGA MENZIESII/MESIC FORB (45)
 PSEUDOTSUGA MENZIESII/OSMORHIZA CHILENSIS (60)
 PSEUDOTSUGA MENZIESII/PHYSOCARPUS MALVACEUS (60)
 CALAMAGROSTIS RUBESCENS PHASE (60)
 PACHISTIMA MYRSINITES PHASE (61)
 PHYSOCARPUS MALVACEUS PHASE (14)
 PINUS PONDEROSA PHASE (60)
 PSEUDOTSUGA MENZIESII PHASE (60)
 SMILACINA STELLATA PHASE (14)
 PSEUDOTSUGA MENZIESII/SPIRAEA BETULIFOLIA (60)
 CALAMAGROSTIS RUBESCENS PHASE (60)
 PINUS PONDEROSA PHASE (60)
 SPIRAEA BETULIFOLIA PHASE (60)
 PSEUDOTSUGA MENZIESII/SYMPHORICARPOS ALBUS (60)
 PINUS PONDEROSA PHASE (60)
 SYMPHORICARPOS ALBUS PHASE (60)
 PSEUDOTSUGA MENZIESII/SYMPHORICARPOS OREOPHILUS (60)
 PSEUDOTSUGA MENZIESII/VACCINIUM CAESPITOSUM (60)
 PSEUDOTSUGA MENZIESII/VACCINIUM GLOBULARE (60)
 PSEUDOTSUGA MENZIESII/XEROPHYLLUM TENAX (67§)
 THUJA PLICATA-TSUGA HETEROPHYLLA/LYSICHITUM AMERICANUM (25‡)
 THUJA PLICATA/ADIANTUM PEDATUM (14)
 THUJA PLICATA/ASARUM CAUDATUM (14)
 ASARUM CAUDATUM PHASE (14)
 MENZIESIA FERRUGINEA PHASE (14)

TAXUS BREVIFOLIA PHASE (14)
 THUJA PLICATA/ATHYRIUM FILIX-FEMINA (14)
 ADIANTUM PEDATUM PHASE (14)
 ATHYRIUM FILIX-FEMINA PHASE (14)
 THUJA PLICATA/CLINTONIA UNIFLORA (14)
 CLINTONIA UNIFLORA PHASE (14)
 MENZIESIA FERRUGINEA PHASE (14)
 TAXUS BREVIFOLIA PHASE (14)
 XEROPHYLLUM TENAX PHASE (14)
 THUJA PLICATA/DRYOPTERIS SPP. (50§)
 THUJA PLICATA/GYMNOCARPIUM DRYOPTERIS (14)
 THUJA PLICATA/OPLOPANAX HORRIDUM (14)
 TSUGA HETEROPHYLLA/ASARUM CAUDATUM (14)
 ARALIA NUDICAULIS PHASE (14)
 ASARUM CAUDATUM PHASE (14)
 MENZIESIA FERRUGINEA PHASE (14)
 TSUGA HETEROPHYLLA/CLINTONIA UNIFLORA (14)
 ARALIA NUDICAULIS PHASE (14)
 CLINTONIA UNIFLORA PHASE (14)
 MENZIESIA FERRUGINEA PHASE (14)
 XEROPHYLLUM TENAX PHASE (14)
 TSUGA HETEROPHYLLA/GYMNOCARPIUM DRYOPTERIS (14)
 TSUGA HETEROPHYLLA/MENZIESIA FERRUGINEA (14)
 TSUGA MERTENSIANA/CLINTONIA UNIFLORA (14)
 MENZIESIA FERRUGINEA PHASE (14)
 XEROPHYLLUM TENAX PHASE (14)
 TSUGA MERTENSIANA/LUZULA HITCHCOCKII (14)
 TSUGA MERTENSIANA/MENZIESIA FERRUGINEA (14)
 LUZULA HITCHCOCKII PHASE (14)
 XEROPHYLLUM TENAX PHASE (14)
 TSUGA MERTENSIANA/PHYLLODOCE EMPETRIFORMIS (69§)
 TSUGA MERTENSIANA/STREPTOPUS AMPLEXIFOLIUS (14)
 LUZULA HITCHCOCKII PHASE (14)
 MENZIESIA FERRUGINEA PHASE (14)
 TSUGA MERTENSIANA/XEROPHYLLUM TENAX (14)
 LUZULA HITCHCOCKII PHASE (14)
 VACCINIUM SCOPARIUM PHASE (14)
 XEROPHYLLUM TENAX PHASE (14)

DECIDUOUS FOREST

ACER GRANDIDENTATUM/Berberis repens (34§)
 ACER GRANDIDENTATUM/CALAMAGROSTIS RUBESCENS (9§)
 ACER GRANDIDENTATUM/JUNIPERUS SCOPULORUM (71§)
 ACER GRANDIDENTATUM/OSMORHIZA CHILENSIS (71§)
 ACER NEGUNDO/CALAMAGROSTIS RUBESCENS (§)
 ACER NEGUNDO/CORNUS STOLONIFERA (56)
 ACER NEGUNDO/EQUISETUM ARVENSE (56)
 ACER NEGUNDO/OSMORHIZA CHILENSIS (§)
 ALNUS RHOMBIFOLIA (17)
 ALNUS RHOMBIFOLIA-ABIES GRANDIS (45)
 ALNUS RHOMBIFOLIA/AMELANCHIER ALNIFOLIA (45)
 ALNUS RHOMBIFOLIA/BETULA OCCIDENTALIS (45)
 ALNUS RHOMBIFOLIA/CELTIS RETICULATA (45)
 ALNUS RHOMBIFOLIA/PHILADELPHUS LEWISII (45)
 ALNUS RHOMBIFOLIA/PRUNUS VIRGINIANA (45)
 ALNUS RHOMBIFOLIA/RHUS GLABRA (45)
 ALNUS RHOMBIFOLIA/ROSA WOODSII (45)
 ALNUS RHOMBIFOLIA/SAMBUCUS CERULEA (45)
 ALNUS RUBRA/ADIANTUM PEDATUM (59)
 BETULA PAPHYRIFERA/ARALIA NUDICAULIS (39‡)
 POPULUS ANGUSTIFOLIA/ACER GRANDIDENTATUM (56)
 POPULUS ANGUSTIFOLIA/BETULA OCCIDENTALIS (56)
 POPULUS ANGUSTIFOLIA/CORNUS STOLONIFERA (73)
 POPULUS TREMULOIDES/AMELANCHIER ALNIFOLIA-SYMPHORICARPOS OREOPHILUS/BROMUS CARINATUS (52)

POPULUS TREMULOIDES/AMELANCHIER ALNIFOLIA-SYMPHORICARPOS OREOPHILUS/CALAMAGROSTIS RUBESCENS (52)
 POPULUS TREMULOIDES/AMELANCHIER ALNIFOLIA-SYMPHORICARPOS OREOPHILUS/TALL FORB (52)
 POPULUS TREMULOIDES/AMELANCHIER ALNIFOLIA-SYMPHORICARPOS OREOPHILUS/THALICTRUM FENDLERI (52)
 POPULUS TREMULOIDES/AMELANCHIER ALNIFOLIA/TALL FORB (52)
 POPULUS TREMULOIDES/AMELANCHIER ALNIFOLIA/THALICTRUM FENDLERI (52)
 POPULUS TREMULOIDES/ARTEMISIA TRIDENTATA (52)
 POPULUS TREMULOIDES/CALAMAGROSTIS CANADENSIS (5‡)
 POPULUS TREMULOIDES/CALAMAGROSTIS RUBESCENS (52)
 POPULUS TREMULOIDES/CORNUS STOLONIFERA (29‡)
 POPULUS TREMULOIDES/CRATAEGUS DOUGLASII-HERACLEUM LANATUM (17)
 POPULUS TREMULOIDES/CRATAEGUS DOUGLASII-SYMPHORICARPOS ALBUS (17)
 POPULUS TREMULOIDES/JUNIPERUS COMMUNIS/CAREX GEYERI (52)
 POPULUS TREMULOIDES/RUBUS PARVIFLORA (52)
 POPULUS TREMULOIDES/SALIX SCOULERIANA (52)
 POPULUS TREMULOIDES/SHEPHERDIA CANADENSIS (52)
 POPULUS TREMULOIDES/STIPA COMATA (52)
 POPULUS TREMULOIDES/SYMPHORICARPOS OREOPHILUS/CALAMAGROSTIS RUBESCENS (52)
 POPULUS TREMULOIDES/SYMPHORICARPOS OREOPHILUS/CAREX ROSSII (52)
 POPULUS TREMULOIDES/SYMPHORICARPOS OREOPHILUS/TALL FORB (52)
 POPULUS TREMULOIDES/SYMPHORICARPOS OREOPHILUS/THALICTRUM FENDLERI (52)
 POPULUS TREMULOIDES/TALL FORB (52)
 POPULUS TREMULOIDES/THALICTRUM FENDLERI (52)
 POPULUS TREMULOIDES/VERATRUM CALIFORNICUM (52)
 POPULUS TREMULOIDES/WYETHIA AMPLEXICAULIS (52)
 POPULUS TRICHOCARPA/ALNUS INCANA (39‡)
 POPULUS TRICHOCARPA/CICUTA DOUGLASII (17)
 POPULUS TRICHOCARPA/CORNUS STOLONIFERA (64¶)
 POPULUS TRICHOCARPA/CRATAEGUS DOUGLASII (37¶)
 POPULUS TRICHOCARPA/FESTUCA IDAHOENSIS (41¶)
 POPULUS TRICHOCARPA/RECENT ALLUVIAL BAR (29‡)
 POPULUS TRICHOCARPA/RHAMNUS ALNIFOLIA (49¶)
 POPULUS TRICHOCARPA/ROSA WOODSII (11‡)
 POPULUS TRICHOCARPA/SALIX EXIGUA (42‡)
 POPULUS TRICHOCARPA/SALIX LUTEA (42‡)
 POPULUS TRICHOCARPA/SYMPHORICARPOS ALBUS (49¶)

MIXED EVERGREEN-DECIDUOUS FOREST

LARIX LYALLII-ABIES LASIOCARPA (14)
 POPULUS TREMULOIDES-ABIES LASIOCARPA/AMELANCHIER ALNIFOLIA (52)
 POPULUS TREMULOIDES-ABIES LASIOCARPA/CAREX GEYERI (52)
 POPULUS TREMULOIDES-ABIES LASIOCARPA/SHEPHERDIA CANADENSIS (52)
 POPULUS TREMULOIDES-ABIES LASIOCARPA/SYMPHORICARPOS OREOPHILUS/TALL FORB (52)
 POPULUS TREMULOIDES-ABIES LASIOCARPA/SYMPHORICARPOS OREOPHILUS/THALICTRUM FENDLERI (52)
 POPULUS TREMULOIDES-ABIES LASIOCARPA/TALL FORB (52)
 POPULUS TREMULOIDES-ABIES LASIOCARPA/THALICTRUM FENDLERI (52)
 POPULUS TREMULOIDES-PINUS CONTORTA/CAREX GEYERI (52)
 POPULUS TREMULOIDES-PINUS CONTORTA/SYMPHORICARPOS OREOPHILUS (52)
 POPULUS TREMULOIDES-PSEUDOTSUGA MENZIESII/AMELANCHIER ALNIFOLIA (52)
 POPULUS TREMULOIDES-PSEUDOTSUGA MENZIESII/CALAMAGROSTIS RUBESCENS (52)
 POPULUS TREMULOIDES-PSEUDOTSUGA MENZIESII/SYMPHORICARPOS OREOPHILUS (52)

EVERGREEN WOODLAND

ABIES GRANDIS/CALAMAGROSTIS RUBESCENS (60)
 ABIES LASIOCARPA-PINUS ALBICAULIS/VACCINIUM SCOPARIUM (57)
 ABIES LASIOCARPA/JUNIPERUS COMMUNIS (60)
 JUNIPERUS OCCIDENTALIS/ARTEMISIA TRIDENTATA SSP. VASEYANA (27)
 JUNIPERUS OCCIDENTALIS/ARTEMISIA TRIDENTATA SSP. VASEYANA/FESTUCA IDAHOENSIS (20)
 JUNIPERUS OCCIDENTALIS/CERCOCARPUS LEDIFOLIUS/SYMPHORICARPOS OREOPHILUS (20)
 JUNIPERUS OSTEOSPERMA-PINUS MONOPHYLLA/ARTEMISIA TRIDENTATA SSP. VASEYANA/AGROPYRON SPICATUM (9§)
 JUNIPERUS OSTEOSPERMA-PINUS MONOPHYLLA/CERCOCARPUS LEDIFOLIUS/AGROPYRON SPICATUM (9§)
 JUNIPERUS OSTEOSPERMA-PINUS MONOPHYLLA/ELYMUS CINEREUS (9§)
 JUNIPERUS OSTEOSPERMA-PINUS MONOPHYLLA/PRUNUS VIRGINIANA (9§)
 JUNIPERUS OSTEOSPERMA/AGROPYRON SPICATUM (36‡)

JUNIPERUS OSTEOSPERMA/ARTEMISIA NOVA/AGROPYRON SPICATUM (4‡)
 JUNIPERUS OSTEOSPERMA/ARTEMISIA NOVA/POA SECUNDA (9§)
 JUNIPERUS OSTEOSPERMA/ARTEMISIA TRIDENTATA (4‡)
 JUNIPERUS OSTEOSPERMA/ARTEMISIA TRIDENTATA SSP. TRIDENTATA/AGROPYRON SPICATUM (9§)
 JUNIPERUS OSTEOSPERMA/ARTEMISIA TRIDENTATA SSP. VASEYANA/AGROPYRON SPICATUM (9§)
 JUNIPERUS OSTEOSPERMA/PURSHIA TRIDENTATA-SYMPHORICARPOS OREOPHILUS/AGROPYRON SPICATUM (34§)
 JUNIPERUS OSTEOSPERMA/PURSHIA TRIDENTATA/POA SECUNDA (9§)
 PICEA ENGELMANNII/CORNUS STOLONIFERA (73)
 PINUS ALBICAULIS-ABIES LASIOCARPA (60)
 PINUS ALBICAULIS/CAREX GEYERI (61)
 PINUS ALBICAULIS/FESTUCA IDAHOENSIS (61)
 PINUS ALBICAULIS/JUNIPERUS COMMUNIS (61)
 PINUS CONTORTA/JUNIPERUS COMMUNIS (61)
 PINUS FLEXILIS (TIMBERLINE) (71§)
 PINUS FLEXILIS-JUNIPERUS SCOPULORUM/POTENTILLA FRUTICOSA (2§)
 PINUS FLEXILIS/CERCOCARPUS LEDIFOLIUS (60)
 PINUS FLEXILIS/FESTUCA IDAHOENSIS (60)
 PINUS FLEXILIS/HOLODISCUS DUMOSUS (§)
 PINUS FLEXILIS/JUNIPERUS COMMUNIS (60)
 PINUS FLEXILIS/LEUCOPOA KINGII (60)
 PINUS FLEXILIS/POTENTILLA FRUTICOSA/DISTICHLIS SPICATA VAR. STRICTA (47§)
 PINUS FLEXILIS/PURSHIA TRIDENTATA (19¶)
 PINUS PONDEROSA/AGROPYRON SPICATUM (60)
 PINUS PONDEROSA/CRATAEGUS DOUGLASII (37¶)
 PINUS PONDEROSA/FESTUCA IDAHOENSIS (60)
 PINUS PONDEROSA/PURSHIA TRIDENTATA (60)
 AGROPYRON SPICATUM PHASE (60)
 FESTUCA IDAHOENSIS PHASE (60)
 PINUS PONDEROSA/STIPA COMATA (18)
 PINUS PONDEROSA/STIPA OCCIDENTALIS (60)
 PSEUDOTSUGA MENZIESII/AGROPYRON SPICATUM (60)
 PSEUDOTSUGA MENZIESII/CERCOCARPUS LEDIFOLIUS (60)
 PSEUDOTSUGA MENZIESII/CORNUS STOLONIFERA (29‡)
 PSEUDOTSUGA MENZIESII/FESTUCA IDAHOENSIS (60)
 FESTUCA IDAHOENSIS PHASE (60)
 PINUS PONDEROSA PHASE (60)

DECIDUOUS WOODLAND

SALIX AMYGDALOIDES (29‡)
 SALIX AMYGDALOIDES-SALIX EXIGUA-SALIX LASIANDRA (§)

EVERGREEN SPARSE WOODLAND

JUNIPERUS OCCIDENTALIS/AGROPYRON SPICATUM (20)
 JUNIPERUS OCCIDENTALIS/ARTEMISIA ARBUSCULA/FESTUCA IDAHOENSIS (27)
 JUNIPERUS OCCIDENTALIS/FESTUCA IDAHOENSIS (20)
 JUNIPERUS OSTEOSPERMA-PINUS MONOPHYLLA/ARTEMISIA TRIDENTATA SSP. VASEYANA/AGROPYRON SPICATUM (§)
 JUNIPERUS OSTEOSPERMA/ARTEMISIA ARBUSCULA VAR. ARBUSCULA/FESTUCA IDAHOENSIS (§)
 JUNIPERUS OSTEOSPERMA/ARTEMISIA TRIDENTATA SSP. VASEYANA/FESTUCA IDAHOENSIS (§)
 JUNIPERUS OSTEOSPERMA/ELYMUS AMBIGUUS VAR. SALMONIS (9§)
 JUNIPERUS OSTEOSPERMA/FESTUCA IDAHOENSIS (§)
 JUNIPERUS OSTEOSPERMA/STIPA COMATA (9§)

EVERGREEN SHRUBLAND

ARTEMISIA TRIDENTATA SSP. SPICIFORMIS/BROMUS CARINATUS (30)
 ARTEMISIA TRIDENTATA SSP. TRIDENTATA/AGROPYRON SPICATUM (30)
 ARTEMISIA TRIDENTATA SSP. TRIDENTATA/ELYMUS CINEREUS (30)
 ARTEMISIA TRIDENTATA SSP. TRIDENTATA/FESTUCA IDAHOENSIS (30)
 ARTEMISIA TRIDENTATA SSP. TRIDENTATA/STIPA COMATA (17)
 ARTEMISIA TRIDENTATA SSP. VASEYANA-SYMPHORICARPOS OREOPHILUS/AGROPYRON SPICATUM (30)
 ARTEMISIA TRIDENTATA SSP. VASEYANA-SYMPHORICARPOS OREOPHILUS/BROMUS CARINATUS (48§)
 ARTEMISIA TRIDENTATA SSP. VASEYANA-SYMPHORICARPOS OREOPHILUS/CAREX GEYERI (30)
 ARTEMISIA TRIDENTATA SSP. VASEYANA-SYMPHORICARPOS OREOPHILUS/FESTUCA IDAHOENSIS (30)
 ARTEMISIA TRIDENTATA SSP. VASEYANA/AGROPYRON SPICATUM (30)
 ARTEMISIA TRIDENTATA SSP. VASEYANA/ELYMUS CINEREUS (30)

ARTEMISIA TRIDENTATA SSP. VASEYANA/LEUCOPOA KINGII (36‡)
 ARTEMISIA TRIDENTATA SSP. VASEYANA/POA SECUNDA (19¶)
 ARTEMISIA TRIDENTATA SSP. WYOMINGENSIS/CAREX FILIFOLIA (9§)
 ARTEMISIA TRIDENTATA SSP. WYOMINGENSIS/ELYMUS AMBIGUUS VAR. SALMONIS (36‡)
 ARTEMISIA TRIDENTATA SSP. WYOMINGENSIS/FESTUCA IDAHOENSIS (48§)
 ARTEMISIA TRIDENTATA SSP. WYOMINGENSIS/POA SECUNDA (30)
 ARTEMISIA TRIDENTATA SSP. WYOMINGENSIS/SITANION HYSTRIX (30)
 ARTEMISIA TRIDENTATA SSP. WYOMINGENSIS/STIPA COMATA (30)
 ARTEMISIA TRIDENTATA SSP. WYOMINGENSIS/STIPA THURBERIANA (30)
 CERCOCARPUS LEDIFOLIUS/AGROPYRON SPICATUM (62)
 CERCOCARPUS LEDIFOLIUS/ARTEMISIA TRIDENTATA (20)
 CERCOCARPUS LEDIFOLIUS/ARTEMISIA TRIDENTATA SSP. VASEYANA (3‡)
 CERCOCARPUS LEDIFOLIUS/ARTEMISIA TRIDENTATA/FESTUCA IDAHOENSIS (20)
 CERCOCARPUS LEDIFOLIUS/CALAMAGROSTIS RUBESCENS (20)
 CERCOCARPUS LEDIFOLIUS/ELYMUS AMBIGUUS VAR. SALMONIS (48§)
 CERCOCARPUS LEDIFOLIUS/ELYMUS CINEREUS (20)
 CERCOCARPUS LEDIFOLIUS/FESTUCA IDAHOENSIS (20)
 CERCOCARPUS LEDIFOLIUS/HOLODISCUS DUMOSUS (48§)
 CERCOCARPUS LEDIFOLIUS/LEUCOPOA KINGII (71§)
 CERCOCARPUS LEDIFOLIUS/SYMPHORICARPOS ALBUS/FESTUCA IDAHOENSIS (20)
 CERCOCARPUS LEDIFOLIUS/SYMPHORICARPOS OREOPHILUS (20)
 PURSHIA TRIDENTATA-ARTEMISIA TRIDENTATA SSP. TRIDENTATA (12)
 PURSHIA TRIDENTATA-CHRYSOTHAMNUS NAUSEOSUS (12)
 PURSHIA TRIDENTATA-PRUNUS VIRGINIANA (40¶)
 PURSHIA TRIDENTATA/ORYZOPSIS HYMENOIDES (17)
 PURSHIA TRIDENTATA/POA NEVADENSIS (48§)

DECIDUOUS SHRUBLAND

ALNUS INCANA (29‡)
 ALNUS INCANA-BETULA OCCIDENTALIS/SALIX EXIGUA (45)
 ALNUS INCANA/ATHYRIUM FELIX-FEMINA (39‡)
 ALNUS INCANA/CAREX UTRICULATA (39‡)
 ALNUS INCANA/CORNUS STOLONIFERA (64¶)
 ALNUS INCANA/EQUISETUM SPP. (39‡)
 ALNUS INCANA/LYSICHITUM AMERICANUM (39‡)
 ALNUS INCANA/MESIC FORB (56)
 ALNUS INCANA/MESIC GRAMINOID (56)
 ALNUS INCANA/RIBES HUDSONIANUM (73)
 ALNUS INCANA/SPIRAEA DOUGLASSII (38‡)
 ALNUS SINUATA (18)
 ALNUS SINUATA/ATHYRIUM FILIX-FEMINA (39‡)
 ALNUS SINUATA/MESIC FORB (39‡)
 ALNUS SINUATA/MONTIA CORDIFOLIA (14)
 ARTEMISIA CANA VAR. VISCIDULA/FESTUCA IDAHOENSIS (30)
 BETULA GLANDULOSA/CAREX LASIOCARPA (7)
 BETULA GLANDULOSA/CAREX SIMULATA (51§)
 BETULA GLANDULOSA/CAREX UTRICULATA (5‡)
 BETULA GLANDULOSA/LONICERA CAERULEA/SENECIO PSEUDAUREUS (63¶)
 BETULA OCCIDENTALIS (29‡)
 BETULA OCCIDENTALIS/CELTIS RETICULATA (45)
 BETULA OCCIDENTALIS/CORNUS STOLONIFERA (56)
 BETULA OCCIDENTALIS/CRATAEGUS DOUGLASII (47§)
 BETULA OCCIDENTALIS/MESIC FORB (56)
 BETULA OCCIDENTALIS/PHILADELPHUS LEWISII (48§)
 BETULA OCCIDENTALIS/PRUNUS VIRGINIANA (31)
 BETULA OCCIDENTALIS/PURSHIA TRIDENTATA/STIPA COMATA (48§)
 CELTIS RETICULATA/AGROPYRON SPICATUM (62)
 CORNUS STOLONIFERA (5‡)
 CORNUS STOLONIFERA/GALIAM TRIFLORUM (73)
 CORNUS STOLONIFERA/HERACLEUM LANATUM (73)
 CRATAEGUS DOUGLASII/HERACLEUM LANATUM (17)
 CRATAEGUS DOUGLASII/MONTIA PERFOLIATA (1¶)
 CRATAEGUS DOUGLASII/ROSA WOODSII (38‡)
 CRATAEGUS DOUGLASII/SYMPHORICARPOS ALBUS (17)

GLOSSOPETALON NEVADENSE/AGROPYRON SPICATUM (35)
 PHILADELPHUS LEWISII (48§)
 PHYSOCARPUS MALVACEUS/SYMPHORICARPOS ALBUS (35)
 POTENTILLA FRUTICOSA/DESCHAMPSIA CESPITOSA (73)
 PRUNUS VIRGINIANA (29‡)
 RHAMNUS ALNIFOLIA (73)
 RHUS GLABRA/AGROPYRON SPICATUM (17)
 RHUS TRILOBATA-SALIX EXIGUA (§)
 ROSA WOODSII (29‡)
 SALIX BEBBIANA (5‡)
 SALIX BEBBIANA/MESIC GRAMINOID (56)
 SALIX BOOTHII/CALAMAGROSTIS CANADENSIS (73)
 SALIX BOOTHII/CAREX AQUATILIS (73)
 SALIX BOOTHII/CAREX NEBRASKENSIS (73)
 SALIX BOOTHII/CAREX UTRICULATA (55¶)
 SALIX BOOTHII/EQUISETUM ARVENSE (73)
 SALIX BOOTHII/MESIC FORB (56)
 SALIX BOOTHII/MESIC GRAMINOID (56)
 SALIX BOOTHII/MITELLA PENTANDRA (54¶)
 SALIX BOOTHII/POA PALUSTRIS (73)
 SALIX BOOTHII/SMILACINA STELLATA (73)
 SALIX CANDIDA/CAREX UTRICULATA (29‡)
 SALIX COMMUTATA/CAREX SCOPULORUM (64¶)
 SALIX DRUMMONDIANA (5‡)
 SALIX DRUMMONDIANA/CALAMAGROSTIS CANADENSIS (64¶)
 SALIX DRUMMONDIANA/CAREX UTRICULATA (39‡)
 SALIX EASTWOODIAE/CAREX AQUATILIS (55¶)
 SALIX EASTWOODIAE/CAREX SCOPULORUM (55¶)
 SALIX EASTWOODIAE/CAREX UTRICULATA (55¶)
 SALIX EXIGUA/ARTEMISIA LUDOVICIANA (31)
 SALIX EXIGUA/BARREN (56)
 SALIX EXIGUA/CAREX SPP. (31)
 SALIX EXIGUA/EQUISETUM ARVENSE (73)
 SALIX EXIGUA/MESIC FORB (56)
 SALIX EXIGUA/MESIC GRAMINOID (56)
 SALIX EXIGUA/ROSA WOODSII (42‡)
 SALIX GEYERIANA/CALAMAGROSTIS CANADENSIS (64¶)
 SALIX GEYERIANA/CAREX AQUATILIS (56)
 SALIX GEYERIANA/CAREX UTRICULATA (73)
 SALIX GEYERIANA/DESCHAMPSIA CESPITOSA (56)
 SALIX GEYERIANA/GEUM MACROPHYLLUM (63¶)
 SALIX GEYERIANA/MESIC FORB (73)
 SALIX GEYERIANA/MESIC GRAMINOID (56)
 SALIX GEYERIANA/POA PALUSTRIS (73)
 SALIX LASIANDRA/BENCH (42‡)
 SALIX LASIANDRA/CORNUS STOLONIFERA (§)
 SALIX LASIANDRA/MESIC FORB (42‡)
 SALIX LASIANDRA/ROSA WOODSII (24‡)
 SALIX LASIOLEPIS/BARREN (56)
 SALIX LUTEA (73)
 SALIX LUTEA/BENCH (42‡)
 SALIX LUTEA/MESIC FORB (42‡)
 SALIX LUTEA/ROSA WOODSII (42‡)
 SALIX NIVALIS (65¶)
 SALIX PLANIFOLIA (73)
 SALIX PLANIFOLIA VAR. MONICA/CAREX AQUATILIS-CAREX UTRICULATA (56)
 SALIX PLANIFOLIA VAR. MONICA/CAREX SCOPULORUM (§)
 SALIX PLANIFOLIA/CAREX AQUATILIS (56)
 SALIX WOLFII/CALAMAGROSTIS CANADENSIS (73)
 SALIX WOLFII/CAREX AQUATILIS (73)
 SALIX WOLFII/CAREX MICROPTERA (64¶)
 SALIX WOLFII/CAREX NEBRASKENSIS (73)
 SALIX WOLFII/CAREX UTRICULATA (73)
 SALIX WOLFII/DESCHAMPSIA CESPITOSA (73)

SALIX WOLFII/FRAGARIA VIRGINIANA (43)
 SALIX WOLFII/MESIC FORB (55¶)
 SALIX WOLFII/POA PALUSTRIS (73)
 SALIX WOLFII/SWERTIA PERENNIS-PEDICULARIS GROENLANDICA (64¶)
 SARCOBATUS VERMICULATUS/DISTICHLIS SPICATA VAR. STRICTA (17)
 SARCOBATUS VERMICULATUS/ELYMUS CINEREUS (53‡)
 SPIRAEA DOUGLASII (5‡)
 SYMPHORICARPOS ALBUS-ROSA SP. (35)

MIXED EVERGREEN-DECIDUOUS SHRUBLAND

ATRIPLEX CONFERTIFOLIA/AGROPYRON SPICATUM (71§)
 ATRIPLEX CONFERTIFOLIA/ELYMUS AMBIGUUS VAR. SALMONIS (48§)
 ATRIPLEX CONFERTIFOLIA/ORYZOPSIS HYMENOIDES (48§)
 ATRIPLEX CONFERTIFOLIA/SITANION HYSTRIX (71§)
 CHRYSOTHAMNUS NAUSEOSUS/ELYMUS FLAVESCENS/PSORALEA LANCEOLATA (12)
 EUROTIA LANATA/POA SECUNDA (17)
 MENZIESIA FERRUGINEA-JUNIPERUS COMMUNIS (69§)
 PRUNUS VIRGINIANA/ARTEMISIA TRIDENTATA SSP. VASEYANA-SYMPHORICARPOS OREOPHILUS (68§)

EVERGREEN SPARSE SHRUBLAND

ARTEMISIA TRIDENTATA SSP. SPICIFORMIS/CAREX GEYERI (30)
 ARTEMISIA TRIDENTATA SSP. VASEYANA/FESTUCA IDAHOENSIS (30)
 ARTEMISIA TRIDENTATA SSP. VASEYANA/STIPA COMATA (30)
 ARTEMISIA TRIDENTATA SSP. WYOMINGENSIS/AGROPYRON SPICATUM (30)
 ARTEMISIA TRIDENTATA SSP. XERICENSIS/AGROPYRON SPICATUM (30)
 ARTEMISIA TRIDENTATA SSP. XERICENSIS/FESTUCA IDAHOENSIS (30)
 ARTEMISIA TRIPARTITA/AGROPYRON SPICATUM (17)
 ARTEMISIA TRIPARTITA/ELYMUS CINEREUS (48§)
 ARTEMISIA TRIPARTITA/FESTUCA IDAHOENSIS (17)
 ARTEMISIA TRIPARTITA/STIPA COMATA (17)
 CAREX STENOPHYLLA-POA SECUNDA (9§)
 ERIOGONUM SPP.-PHYSARIA OREGANA (35)
 PURSHIA TRIDENTATA/AGROPYRON SPICATUM (17)
 PURSHIA TRIDENTATA/AGROPYRON SPICATUM-ELYMUS CINEREUS (19¶)
 PURSHIA TRIDENTATA/FESTUCA IDAHOENSIS (17)
 PURSHIA TRIDENTATA/STIPA COMATA (17)

DECIDUOUS SPARSE SHRUBLAND

ARTEMISIA CANA VAR. BOLANDERI/MUHLENBERGIA RICHARDSONIS (30)
 CHRYSOPSIS VILLOSA (41¶)
 CHRYSOPSIS VILLOSA/SPOROBOLUS CRYPTANDRUS (31)
 FESTUCA IDAHOENSIS-SYMPHORICARPOS ALBUS (17)
 POTENTILLA FRUTICOSA/DANTHONIA INTERMEDIA (64¶)
 POTENTILLA FRUTICOSA/FESTUCA IDAHOENSIS (73)

EVERGREEN DWARF-SHRUBLAND

CASSIOPE MERTENSIANA-PHYLLODOCE EMPETRIFORMIS (21‡)
 CASSIOPE MERTENSIANA-SIBBALDIA PROCUMBENS (40¶)
 ERIOGONUM OVALIFOLIUM VAR. DEPRESSUM CINDER GARDENS (19¶)
 KALMIA MICROPHYLLA/CAREX SCOPULORUM (29‡)
 PHYLLODOCE EMPETRIFORMIS-LEDUM GLANDULOSUM (58¶)
 PHYLLODOCE EMPETRIFORMIS/CAREX SCOPULORUM (§)
 PHYLLODOCE GLANDULIFLORA-SALIX ARCTICA (§)

MIXED EVERGREEN-DECIDUOUS DWARF-SHRUBLAND

ERIOGONUM SPHAEROCEPHALUM-POA SECUNDA (17)
 ERIOGONUM THYMOIDES-POA SECUNDA (17)

EVERGREEN SPARSE DWARF-SHRUBLAND

ARTEMISIA ARBUSCULA VAR. ARBUSCULA/AGROPYRON SPICATUM (30)
 ARTEMISIA ARBUSCULA VAR. ARBUSCULA/ELYMUS AMBIGUUS VAR. SALMONIS (9§)
 ARTEMISIA ARBUSCULA VAR. ARBUSCULA/FESTUCA IDAHOENSIS (30)
 ARTEMISIA ARBUSCULA VAR. ARBUSCULA/POA SECUNDA (30)
 ARTEMISIA ARBUSCULA VAR. THERMOPOLA/FESTUCA IDAHOENSIS (30)

ARTEMISIA LONGILOBA/FESTUCA IDAHOENSIS (30)
 ARTEMISIA NOVA/AGROPYRON SPICATUM (30)
 ARTEMISIA NOVA/ELYMUS AMBIGUUS VAR. SALMONIS (9§)
 ARTEMISIA NOVA/FESTUCA IDAHOENSIS (30)
 ARTEMISIA NOVA/ORYZOPSIS HYMENOIDES (33‡)
 ARTEMISIA NOVA/POA SECUNDA (9§)
 ARTEMISIA NOVA/STIPA COMATA (30)
 ARTEMISIA RIGIDA/POA SECUNDA (17)
 ARTEMISIA TRIDENTATA SSP. TRIDENTATA/POA SECUNDA (9§)

DECIDUOUS SPARSE DWARF-SHRUBLAND

HAPLOPAPPUS SUFFRUTICOSUS/FESTUCA IDAHOENSIS (§)
 HAPLOPAPPUS SUFFRUTICOSUS/SITANION HYSTRIX (§)

TALL GRASSLAND

ELYMUS CINEREUS (19¶)
 ELYMUS CINEREUS-DISTICHLIS SPICATA VAR. STRICTA (17)
 PHALARIS ARUNDINACEA (5‡)
 PHRAGMITES COMMUNIS/RHUS RADICANS (31)

MEDIUM TALL GRASSLAND

AGROPYRON SMITHII (26)
 AGROPYRON SMITHII VERNAL POOL (26)
 AGROPYRON SPICATUM-ERIOGONUM HERACLEOIDES (35)
 AGROPYRON SPICATUM-FESTUCA IDAHOENSIS (CANYON) (17)
 AGROPYRON SPICATUM-FESTUCA IDAHOENSIS (PALOUSE) (17)
 AGROPYRON SPICATUM-OPUNTIA POLYACANTHA (62)
 AGROPYRON SPICATUM-POA SECUNDA (PALOUSE) (17)
 AGROPYRON SPICATUM-POA SECUNDA, LITHOSOL (17)
 AGROPYRON SPICATUM/MELICA BULBOSA (58¶)
 AGROPYRON SPICATUM/POA SECUNDA/BALSAMORHIZA SAGITTATA (62)
 AGROSTIS EXARATA-AGROSTIS SCABRA (63¶)
 ARISTIDA LONGISETA/POA SECUNDA (17)
 BROMUS SPP./STIPA OCCIDENTALIS (63¶)
 CALAMAGROSTIS CANADENSIS (56)
 CAREX HOODII-FESTUCA IDAHOENSIS (62)
 CAREX UTRICULATA (64¶)
 DESCHAMPSIA CESPITOSA (64¶)
 DESCHAMPSIA CESPITOSA/DANTHONIA INTERMEDIA/CALAMAGROSTIS CANADENSIS (7)
 ELEOCHARIS PAUCIFLORA-CAREX AQUATILIS, CAREX LIVIDA PHASE (43)
 ELYMUS AMBIGUUS VAR. SALMONIS-ENCELIOPSIS NUDICAULIS (9§)
 ELYMUS AMBIGUUS VAR. SALMONIS-LUPINUS ARGENTEUS (9§)
 FESTUCA IDAHOENSIS-AGROPYRON SPICATUM (62)
 FESTUCA IDAHOENSIS-DANTHONIA CALIFORNICA (48§)
 FESTUCA IDAHOENSIS-ERIOGONUM CAESPITOSUM (8¶)
 FESTUCA IDAHOENSIS-KOELERIA CRISTATA (62)
 FESTUCA IDAHOENSIS-POTENTILLA DIVERSIFOLIA (8¶)
 FESTUCA IDAHOENSIS-ROSA NUTKANA (17)
 FESTUCA SCABRELLA-FESTUCA IDAHOENSIS (71§)
 FESTUCA VIRIDULA (71§)
 GLYCERIA BOREALIS (28‡)
 SPOROBOLUS CRYPTANDRA (17)
 SPOROBOLUS CRYPTANDRA-POA SECUNDA (62)
 XEROPHYLLUM TENAX (71§)

SHORT GRASSLAND

AGROPYRON SCRIBNERI (8¶)
 CALAMAGROSTIS PURPURESCENS (46)
 CAREX ALBONIGRA (66§)
 CAREX APERTA (5‡)
 CAREX AQUATILIS (73)
 CAREX BUXBAUMII COMMUNITY TYPE (56)
 CAREX CUSICKII (7)
 CAREX ELYNOIDES-LUPINUS ARGENTEUS (8¶)

CAREX ELYNOIDES-OXYTROPIS SERICEA (8¶)
 CAREX LANUGINOSA (56)
 CAREX LASIOCARPA (56)
 CAREX LIMOSA (56)
 CAREX LIVIDA (7)
 CAREX MICROPTERA (73)
 CAREX NEBRASKENSIS (73)
 CAREX NIGRICANS (13‡)
 CAREX NIGRICANS-AGROSTIS HUMILIS (40¶)
 CAREX PAYSONIS (40¶)
 CAREX PRAEGRACILIS-CAREX AQUATILIS (51§)
 CAREX RUPESTRIS VAR. DRUMMONDIANA (8¶)
 CAREX SAXATILIS-ERIOPHORUM GRACILE (§)
 CAREX SCIRPOIDEA VAR. PSEUDOSCIIRPOIDEA (23‡)
 CAREX SCIRPOIDEA/GEUM ROSSII (13‡)
 CAREX SCIRPOIDEA/POTENTILLA DIVERSIFOLIA (13‡)
 CAREX SCOPULORUM (39‡)
 CAREX SIMULATA (73)
 DESCHAMPSIA CESPITOSA-CALTHA LEPTOSEPALA (13‡)
 DESCHAMPSIA CESPITOSA-POTENTILLA DIVERSIFOLIA (8¶)
 DISTICHLIS SPICATA VAR. STRICTA-SCIRPUS NEVADENSIS (15‡)
 DISTICHLIS SPICATA VAR. STRICTA (17)
 DRYAS OCTOPETALA (65¶)
 DULICHIMUM ARUNDINACEUM (7)
 ELEOCHARIS ACICULARIS (40¶)
 ELEOCHARIS PALUSTRIS (WETLAND/RIPARIAN) (64¶)
 ELEOCHARIS PAUCIFLORUS (56)
 ERIOGONUM DOUGLASII-POA SECUNDA (17)
 ERIOGONUM STRICTUM/POA SECUNDA (17)
 ERIOPHORUM POLYSTACHION (39‡)
 FESTUCA IDAHOENSIS (ALPINE) (58¶)
 FESTUCA IDAHOENSIS-DESCHAMPSIA CESPITOSA (53‡)
 FESTUCA IDAHOENSIS-LEUCOPOA KINGII (§)
 FESTUCA OVINA (58¶)
 IVESIA GORDONII-ARENARIA OBTUSILOBA (8¶)
 IVESIA GORDONII-ERIOGONUM CAESPITOSUM (8¶)
 JUNCUS BALTICUS (64¶)
 JUNCUS DRUMMONDII-CAREX SPP. (40¶)
 JUNCUS PARRYI (10§)
 LEUCOPOA KINGII (46)
 LEUCOPOA KINGII-CAREX ELYNOIDES (46)
 LEUCOPOA KINGII-PHLOX PULVINATA (46)
 LEUCOPOA KINGII-POA CUSICKII (46)
 LEUCOPOA KINGII/OXYTROPIS CAMPESTRIS (13‡)
 POA EPILIS (8¶)
 POTENTILLA OVINA-AGROPYRON SCRIBNERI (46)
 SCIRPUS ACUTUS (28‡)
 SCIRPUS CESPITOSUS-CAREX LIVIDA (63¶)
 SCIRPUS OLNEYI (§)
 SCIRPUS VALIDUS (39‡)

TALL FORB VEGETATION

MERTENSIA CILIATA (56)
 VERATRUM CALIFORNICUM (73)

LOW FORB VEGETATION

ARTEMISIA LUDOVICIANA (41¶)
 ASTER INTEGRIFOLIUS-FESTUCA IDAHOENSIS (64¶)
 CALTHA LEPTOSEPALA (56)
 CAMASSIA QUAMASH (17)
 EQUISETUM FLUVIATILE (29‡)
 GEUM ROSSII (6§)
 PHLOX PULVINATA-POA EPILIS (66§)
 POTENTILLA BREVI-FOLIA (66§)

POTENTILLA DIVERSIFOLIA-ARENARIA OBTUSILOBA (66§)
SAXIFRAGA OPPOSITIFOLIA (6§)
TANACETUM NUTTALLII-ARTEMISIA FRIGIDA-POA SECUNDA (9§)
TANACETUM NUTTALLII-ORYZOPSIS SWALLENII (9§)

HYDROMORPHIC ROOTED VEGETATION

NUPHAR POLYSEPALUM (39‡)
TYPHA LATIFOLIA (56)

SPARSE VEGETATION

ELYMUS FLAVESCENS-PSORALEA LANCEOLATA (12)

Table 1. (continued)

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|------------------------------------|-------------------------------|
| 1. ASHERIN AND ORME 1978 | 37. KAUFFMAN ET AL. 1985 |
| 2. BERNATUS 1990 | 38. KOVALCHIK 1987 |
| 3. BLACKBURN ET AL. 1969 | 39. KOVALCHIK 1993 |
| 4. BLACKBURN ET AL. 1971 | 40. LEWIS AND RIEGELHUTH 1964 |
| 5. BOGGS ET AL. 1990 | 41. LICHTHARDT 1992 |
| 6. BRUNSFELD 1981 | 42. MANNING AND PADGETT 1992 |
| 7. BURSIK AND MOSELEY 1995 | 43. MATTSOON 1984 |
| 8. CAICCO 1983 | 44. MCLEAN 1970 |
| 9. CAICCO AND WELLNER 1983 | 45. MILLER 1976 |
| 10. CHADDE 1993 | 46. MOSELEY 1985 |
| 11. CHADDE ET AL. 1988 | 47. MOSELEY 1986 |
| 12. CHADWICK AND DALKE 1965 | 48. MOSELEY 1987 |
| 13. COOPER AND LESICA 1992 | 49. MOSELEY AND BURSIK 1994 |
| 14. COOPER ET AL. 1991 | 50. MOSELEY AND WELLNER 1991 |
| 15. COPELAND 1979 | 51. MOSELEY ET AL. 1991 |
| 16. CRAWFORD AND JOHNSON 1985 | 52. MUEGGLER 1988 |
| 17. DAUBENMIRE 1970 | 53. MUEGGLER AND STEWART 1980 |
| 18. DAUBENMIRE AND DAUBENMIRE 1968 | 54. MUTZ AND GRAHAM 1982 |
| 19. DAY AND WRIGHT 1985 | 55. MUTZ AND QUEIROZ 1983 |
| 20. DEALY 1975 | 56. PADGETT ET AL. 1989 |
| 21. DEL MORAL 1979 | 57. PFISTER ET AL. 1977 |
| 22. DOREMUS AND DEBOLT 1987 | 58. SCHLATTERER 1972 |
| 23. DOUGLAS AND BLISS 1977 | 59. STEELE 1971 |
| 24. EVENDEN 1989 | 60. STEELE ET AL. 1981 |
| 25. FRANKLIN 1966 | 61. STEELE ET AL. 1983 |
| 26. FRENCH AND MITCHELL 1983 | 62. TISDALE 1986 |
| 27. HALL 1973 | 63. TUHY 1981 |
| 28. HANSEN ET AL. 1988 | 66. WELLNER 1991 |
| 29. HANSEN ET AL. 1990 | 67. WELLNER AND BERNATUS 1990 |
| 30. HIRONAKA ET AL. 1983 | 68. WELLNER AND BERNATUS 1991 |
| 31. HUSCHLE 1975 | 69. WELLNER AND MOSELEY 1988 |
| 32. JENSEN 1990 | 70. WELLNER AND STEELE 1985 |
| 33. JENSEN ET AL. 1988 | 71. WELLNER AND TISDALE 1985 |
| 34. JOHNSON AND PFISTER 1981 | 72. WELLNER ET AL. 1989 |
| 35. JOHNSON AND SIMON 1987 | 73. YOUNGBLOOD ET AL. 1985 |
| 36. JOHNSTON 1987 | 64. TUHY AND JENSEN 1982 |
| | 65. URBANCZYK 1993 |

§ Formal data collection and analysis have not contributed to the recognition of this plant community element.

‡ Formal data collection contributing to the recognition of this plant community element occurred outside our area. The occurrence of the plant community element in our area is supported by observational data only.

¶ Formal data collection contributing to the recognition of this plant community element occurred over a small area relative to the expected range of the element. The relevance of the classification work to expected range not been formally tested.

Table 2. The expected distribution of plant communities is summarized by ecological section (modified from Reid et al. 1994): a. Northwest Basin and Range, b. Yellowstone Highlands, c. Overthrust Mountains, d. Idaho Batholith, e. Beaverhead Mountains, f. Challis Volcanics, g. Blue Mountains, h. Okanogan Highlands, i. Flathead Valley, and j. Bitterroot Mountains. Plant community elements are listed by WRC subclass (as in Table 1) with the count of element occurrences (EO) and the sum of the area of occurrences of elements present in research natural areas on NFS lands in Idaho. In the column labeled "Comments", RNAs where the element is known to occur are indicated by codes (as displayed in Table 3). Information for other areas is included where available. Abbreviations are as follows: RNA, research natural area; pRNA, proposed research natural area; ACEC, area of critical environmental concern (Bureau of Land Management); WMA, wildlife management area (Idaho Department of Fish and Game); NA, natural area; SIA, special interest area; NAP, natural area preserve (Washington State). Plurality indicated with no apostrophe.

Table 2a. Northwest Basin and Range, Section 342B-Eastern Portion

	EO Count	Sum Area	Comments
<u>EVERGREEN FOREST</u>			
ABIES LASIOCARPA/ACER GLABRUM			
ABIES LASIOCARPA/ACTAEA RUBRA			
ABIES LASIOCARPA/Berberis repens	1	2	PC.
ABIES LASIOCARPA/CALAMAGROSTIS RUBESCENS			
ABIES LASIOCARPA/CAREX GEYERI	1	2	PC.
ABIES LASIOCARPA/CAREX ROSSII			
ABIES LASIOCARPA/OSMORHIZA CHILENSIS	1	2	PC.
ABIES LASIOCARPA/PHYSOCARPUS MALVACEUS			
ABIES LASIOCARPA/RIBES MONTIGENUM	1	45	MH.
ABIES LASIOCARPA/THALICTRUM OCCIDENTALE	1	2	PC.
ABIES LASIOCARPA/VACCINIUM GLOBULARE			
PICEA GLAUCA/EQUISETUM ARVENSE			
PSEUDOTSUGA MENZIESII/ACER GLABRUM	1	63	PC.
PSEUDOTSUGA MENZIESII/Berberis repens	1	63	PC.
PSEUDOTSUGA MENZIESII/CALAMAGROSTIS RUBESCENS			
PSEUDOTSUGA MENZIESII/OSMORHIZA CHILENSIS	1	63	PC.
PSEUDOTSUGA MENZIESII/PHYSOCARPUS MALVACEUS			
<u>DECIDUOUS FOREST</u>			
ACER GRANDIDENTATUM/CALAMAGROSTIS RUBESCENS			
ACER NEGUNDO/CORNUS STOLONIFERA			
ACER NEGUNDO/EQUISETUM ARVENSE			
POPULUS ANGUSTIFOLIA/ACER GRANDIDENTATUM			
POPULUS TREMULOIDES/AMELANCHIER ALNIFOLIA-SYMPHORICARPOS OREOPHILUS/CALAMAGROSTIS RUBESCENS	1	11	PC.
POPULUS TREMULOIDES/AMELANCHIER ALNIFOLIA-SYMPHORICARPOS OREOPHILUS/TALL FORB			
POPULUS TREMULOIDES/AMELANCHIER ALNIFOLIA-SYMPHORICARPOS OREOPHILUS/THALICTRUM FENDLERI			
POPULUS TREMULOIDES/AMELANCHIER ALNIFOLIA/TALL FORB			
POPULUS TREMULOIDES/AMELANCHIER ALNIFOLIA/THALICTRUM FENDLERI			
POPULUS TREMULOIDES/SHEPHERDIA CANADENSIS			
POPULUS TREMULOIDES/SYMPHORICARPOS OREOPHILUS/CALAMAGROSTIS RUBESCENS			
POPULUS TREMULOIDES/SYMPHORICARPOS OREOPHILUS/TALL FORB			
POPULUS TREMULOIDES/SYMPHORICARPOS OREOPHILUS/THALICTRUM FENDLERI			
POPULUS TREMULOIDES/TALL FORB			
POPULUS TREMULOIDES/THALICTRUM FENDLERI			
POPULUS TREMULOIDES/WYETHIA AMPLEXICAULIS			
POPULUS TRICHOCARPA/ROSA WOODSII			
<u>EVERGREEN WOODLAND</u>			
JUNIPERUS OSTEOSPERMA-PINUS MONOPHYLLA/ARTEMISIA TRIDENTATA SSP. VASEYANA/AGROPYRON SPICATUM			
JUNIPERUS OSTEOSPERMA-PINUS MONOPHYLLA/CERCOCARPUS LEDIFOLIUS/AGROPYRON SPICATUM			
JUNIPERUS OSTEOSPERMA-PINUS MONOPHYLLA/ELYMUS CINEREUS			
JUNIPERUS OSTEOSPERMA-PINUS MONOPHYLLA/PRUNUS VIRGINIANA			
JUNIPERUS OSTEOSPERMA/AGROPYRON SPICATUM			

Table 2a. Northwest Basin and Range, Section 342B-Eastern Portion (continued)

JUNIPERUS OSTEOSPERMA/ARTEMISIA NOVA/AGROPYRON SPICATUM			
JUNIPERUS OSTEOSPERMA/ARTEMISIA NOVA/POA SECUNDA			
JUNIPERUS OSTEOSPERMA/ARTEMISIA TRIDENTATA			
JUNIPERUS OSTEOSPERMA/ARTEMISIA TRIDENTATA SSP. TRIDENTATA/AGROPYRON SPICATUM			
JUNIPERUS OSTEOSPERMA/PURSHIA TRIDENTATA-SYMPHORICARPOS OREOPHILUS/AGROPYRON SPICATUM			
JUNIPERUS OSTEOSPERMA/PURSHIA TRIDENTATA/POA SECUNDA			
PINUS FLEXILIS/CERCOCARPUS LEDIFOLIUS	1	10	MH.
PSEUDOTSUGA MENZIESII/CERCOCARPUS LEDIFOLIUS			
<u>EVERGREEN SPARSE WOODLAND</u>			
JUNIPERUS OSTEOSPERMA-PINUS MONOPHYLLA/ARTEMISIA TRIDENTATA SSP. VASEYANA/AGROPYRON SPICATUM			present at Jim Sage Canyon RNA/ACEC; City of Rocks RNA.
JUNIPERUS OSTEOSPERMA/ARTEMISIA ARBUSCULA VAR. ARBUSCULA/FESTUCA IDAHOENSIS	1	105	TP.
JUNIPERUS OSTEOSPERMA/ARTEMISIA TRIDENTATA SSP. VASEYANA/FESTUCA IDAHOENSIS	1	105	TP.
JUNIPERUS OSTEOSPERMA/FESTUCA IDAHOENSIS	1	105	TP.
JUNIPERUS OSTEOSPERMA/STIPA COMATA			
<u>EVERGREEN SHRUBLAND</u>			
ARTEMISIA TRIDENTATA SSP. SPICIFORMIS/BROMUS CARINATUS	1	22	PC.
ARTEMISIA TRIDENTATA SSP. TRIDENTATA/AGROPYRON SPICATUM			not expected on NFS in this section.
ARTEMISIA TRIDENTATA SSP. TRIDENTATA/FESTUCA IDAHOENSIS			not expected on NFS in this section.
ARTEMISIA TRIDENTATA SSP. VASEYANA-SYMPHORICARPOS OREOPHILUS/AGROPYRON SPICATUM	1	22	PC.
ARTEMISIA TRIDENTATA SSP. VASEYANA-SYMPHORICARPOS OREOPHILUS/BROMUS CARINATUS	1	20	PC.
ARTEMISIA TRIDENTATA SSP. VASEYANA-SYMPHORICARPOS OREOPHILUS/CAREX GEYERI			
ARTEMISIA TRIDENTATA SSP. VASEYANA-SYMPHORICARPOS OREOPHILUS/FESTUCA IDAHOENSIS			present at City of Rocks RNA.
ARTEMISIA TRIDENTATA SSP. VASEYANA/AGROPYRON SPICATUM	1	22	PC; Goose Creek Mesa RNA.
ARTEMISIA TRIDENTATA SSP. VASEYANA/ELYMUS CINEREUS			
ARTEMISIA TRIDENTATA SSP. WYOMINGENSIS/FESTUCA IDAHOENSIS			
ARTEMISIA TRIDENTATA SSP. WYOMINGENSIS/SITANION HYSTRIX			
CERCOCARPUS LEDIFOLIUS/AGROPYRON SPICATUM			
CERCOCARPUS LEDIFOLIUS/ARTEMISIA TRIDENTATA			
CERCOCARPUS LEDIFOLIUS/ARTEMISIA TRIDENTATA/FESTUCA IDAHOENSIS			
CERCOCARPUS LEDIFOLIUS/CALAMAGROSTIS RUBESCENS			
CERCOCARPUS LEDIFOLIUS/FESTUCA IDAHOENSIS			
CERCOCARPUS LEDIFOLIUS/LEUCOPOA KINGII			
CERCOCARPUS LEDIFOLIUS/SYMPHORICARPOS ALBUS/FESTUCA IDAHOENSIS			
CERCOCARPUS LEDIFOLIUS/SYMPHORICARPOS OREOPHILUS			present at City of Rocks RNA.
<u>DECIDUOUS SHRUBLAND</u>			
ALNUS INCANA/CORNUS STOLONIFERA			
ALNUS INCANA/MESIC FORB			
ALNUS INCANA/MESIC GRAMINOID			
BETULA OCCIDENTALIS/CORNUS STOLONIFERA			present at Travertine Park RNA/ACEC.
BETULA OCCIDENTALIS/MESIC FORB			
CORNUS STOLONIFERA/GALIAM TRIFLORUM			
CORNUS STOLONIFERA/HERACLEUM LANATUM			
ROSA WOODSII			
SALIX BOOTHII/CALAMAGROSTIS CANADENSIS			
SALIX BOOTHII/CAREX AQUATILIS			
SALIX BOOTHII/CAREX UTRICULATA			
SALIX BOOTHII/MESIC FORB			
SALIX BOOTHII/MESIC GRAMINOID			

Table 2a. Northwest Basin and Range, Section 342B-Eastern Portion (continued)

SALIX EXIGUA/BARREN			not expected on NFS in this section.
SALIX EXIGUA/MESIC FORB			not expected on NFS in this section.
SALIX GEYERIANA/CAREX UTRICULATA			
SALIX LASIANDRA/BENCH			
SALIX LASIANDRA/MESIC FORB			
SALIX LUTEA/BENCH			
SALIX LUTEA/MESIC FORB			
SALIX LUTEA/ROSA WOODSII			
SALIX WOLFII/CAREX AQUATILIS			
<u>MIXED EVERGREEN-DECIDUOUS SHRUBLAND</u>			
ATRIPLEX CONFERTIFOLIA/SITANION HYSTRIX			not expected on NFS in this section.
EUROTIA LANATA/POA SECUNDA			
<u>EVERGREEN SPARSE SHRUBLAND</u>			
ARTEMISIA TRIDENTATA SSP. SPICIFORMIS/CAREX GEYERI	1	22	PC.
ARTEMISIA TRIDENTATA SSP. VASEYANA/FESTUCA IDAHOENSIS	1	120	MH; Travertine Park and Triplet Butte RNA/ACEC and Bruneau-Jarbridge River ACEC; City of Rocks RNA.
ARTEMISIA TRIDENTATA SSP. VASEYANA/STIPA COMATA			
ARTEMISIA TRIDENTATA SSP. WYOMINGENSIS/AGROPYRON SPICATUM			present at Triplet Butte RNA/ACEC and Bruneau-Jarbridge River ACEC.
ARTEMISIA TRIPARTITA/AGROPYRON SPICATUM			
ARTEMISIA TRIPARTITA/FESTUCA IDAHOENSIS			
<u>DECIDUOUS SPARSE SHRUBLAND</u>			
FESTUCA IDAHOENSIS-SYMPHORICARPOS ALBUS			
<u>EVERGREEN SPARSE DWARF-SHRUBLAND</u>			
ARTEMISIA ARBUSCULA VAR. ARBUSCULA/AGROPYRON SPICATUM	1	10	MH; Triplet Butte RNA/ACEC and Bruneau-Jarbridge River ACEC.
ARTEMISIA ARBUSCULA VAR. ARBUSCULA/FESTUCA IDAHOENSIS			present at Triplet Butte RNA/ACEC and Bruneau-Jarbridge River ACEC.
ARTEMISIA ARBUSCULA VAR. ARBUSCULA/POA SECUNDA	1	65	TP.
ARTEMISIA ARBUSCULA VAR. THERMOPOLA/FESTUCA IDAHOENSIS	1	65	TP.
ARTEMISIA LONGILOBA/FESTUCA IDAHOENSIS			
ARTEMISIA NOVA/AGROPYRON SPICATUM	1	22	PC.
ARTEMISIA NOVA/ORYZOPSIS HYMENOIDES			
ARTEMISIA NOVA/POA SECUNDA	1	8	PC; Goose Creek Mesa RNA and Jim Sage Canyon RNA/ACEC.
<u>TALL GRASSLAND</u>			
ELYMUS CINEREUS			
<u>MEDIUM TALL GRASSLAND</u>			
AGROPYRON SPICATUM/POA SECUNDA/BALSAMORHIZA SAGITTATA			
CAREX UTRICULATA			
DESCHAMPSIA CESPITOSA			
<u>SHORT GRASSLAND</u>			
CAREX AQUATILIS			
CAREX LANUGINOSA			
CAREX LASIOCARPA			
CAREX MICROPTERA			
CAREX NEBRASKENSIS			
DISTICHLIS SPICATA VAR STRICTA-SCIRPUS NEVADENSIS			
ELEOCHARIS PALUSTRIS (WETLAND/RIPARIAN)			
FESTUCA IDAHOENSIS (ALPINE)			
FESTUCA OVINA			
JUNCUS BALTICUS			
<u>HYDROMORPHIC ROOTED VEGETATION</u>			

Table 2a. Northwest Basin and Range, Section 342B-Eastern Portion (continued)

TYPHA LATIFOLIA

Table 2b. YELLOWSTONE HIGHLANDS, Section M331A

<u>EVERGREEN FOREST</u>	EO Count	Sum Area	Comments
ABIES LASIOCARPA/ACER GLABRUM			
ABIES LASIOCARPA/ACTAEA RUBRA			
ABIES LASIOCARPA/ALNUS SINUATA			present at Palace Butte, East Fork Mill Creek and Sliding Mountain pRNAs, MT.
ABIES LASIOCARPA/ARNICA CORDIFOLIA			
ABIES LASIOCARPA/ARNICA LATIFOLIA			
ABIES LASIOCARPA/CALAMAGROSTIS CANADENSIS	1	10	MB; Wheeler Ridge and Palace Butte pRNAs. MT.
ABIES LASIOCARPA/CALAMAGROSTIS CANADENSIS, LEDUM GLANDULOSUM PHASE			
ABIES LASIOCARPA/CALAMAGROSTIS RUBESCENS			
ABIES LASIOCARPA/LINNAEA BOREALIS			present at Palace Butte, Passage Creek and Black Butte pRNAs, MT.
ABIES LASIOCARPA/LUZULA HITCHCOCKII			
ABIES LASIOCARPA/SPIRAEA BETULIFOLIA			
ABIES LASIOCARPA/SYMPHORICARPOS ALBUS			
ABIES LASIOCARPA/THALICTRUM OCCIDENTALE			
ABIES LASIOCARPA/VACCINIUM GLOBULARE			present at Palace Butte, Black Butte and Passage Creek pRNAs, MT.
ABIES LASIOCARPA/VACCINIUM SCOPARIUM	2	340	MB, SF.
PICEA ENGELMANNII/CALTHA LEPTOSEPALA			
PICEA ENGELMANNII/CAREX DISPERMA			
PICEA ENGELMANNII/EQUISETUM ARVENSE			
PICEA ENGELMANNII/GALIUM TRIFLORUM			present at Palace Butte and Passage Creek pRNAs, MT.
PICEA ENGELMANNII/HYPNUM REVOLUTUM			
PINUS ALBICAULIS/CAREX ROSSII	1	90	MB.
PINUS ALBICAULIS/VACCINIUM SCOPARIUM			
PINUS CONTORTA/CALAMAGROSTIS RUBESCENS	1	42	TU.
PINUS CONTORTA/SPIRAEA BETULIFOLIA	1	42	TU.
PINUS CONTORTA/VACCINIUM GLOBULARE			
PINUS CONTORTA/VACCINIUM SCOPARIUM	1	42	TU.
PSEUDOTSUGA MENZIESII/ACER GLABRUM	1	80	WI.
PSEUDOTSUGA MENZIESII/ARNICA CORDIFOLIA			
PSEUDOTSUGA MENZIESII/CALAMAGROSTIS RUBESCENS	3	60	SF, TU, WI.
PSEUDOTSUGA MENZIESII/JUNIPERUS COMMUNIS			
PSEUDOTSUGA MENZIESII/OSMORHIZA CHILENSIS	1	60	WI.
PSEUDOTSUGA MENZIESII/PHYSOCARPUS MALVACEUS			
PSEUDOTSUGA MENZIESII/SPIRAEA BETULIFOLIA	4	300	SF, TU, WI.
PSEUDOTSUGA MENZIESII/SYMPHORICARPOS ALBUS			
PSEUDOTSUGA MENZIESII/SYMPHORICARPOS OREOPHILUS	1	100	WI.
PSEUDOTSUGA MENZIESII/VACCINIUM GLOBULARE			
<u>DECIDUOUS FOREST</u>			
ACER GRANDIDENTATUM/CALAMAGROSTIS RUBESCENS			
POPULUS TREMULOIDES/AMELANCHIER ALNIFOLIA-SYMPHORICARPOS OREOPHILUS/BROMUS CARINATUS			
POPULUS TREMULOIDES/AMELANCHIER ALNIFOLIA-SYMPHORICARPOS OREOPHILUS/CALAMAGROSTIS RUBESCENS	2	130	TU, WI.
POPULUS TREMULOIDES/AMELANCHIER ALNIFOLIA-SYMPHORICARPOS OREOPHILUS/TALL FORB			
POPULUS TREMULOIDES/AMELANCHIER ALNIFOLIA-SYMPHORICARPOS OREOPHILUS/THALICTRUM FENDLERI			
POPULUS TREMULOIDES/AMELANCHIER ALNIFOLIA/TALL FORB			
POPULUS TREMULOIDES/AMELANCHIER ALNIFOLIA/THALICTRUM FENDLERI			
POPULUS TREMULOIDES/CALAMAGROSTIS CANADENSIS			
POPULUS TREMULOIDES/CALAMAGROSTIS RUBESCENS			
POPULUS TREMULOIDES/SALIX SCOULERIANA			
POPULUS TREMULOIDES/SHEPHERDIA CANADENSIS			
POPULUS TREMULOIDES/STIPA COMATA			
POPULUS TREMULOIDES/SYMPHORICARPOS OREOPHILUS/CALAMAGROSTIS RUBESCENS	2	110	TU, WI.
POPULUS TREMULOIDES/SYMPHORICARPOS OREOPHILUS/TALL FORB			

Table 2b. YELLOWSTONE HIGHLANDS, Section M331A (continued)

POPULUS TREMULOIDES/SYMPHORICARPOS OREOPHILUS/THALICTRUM
FENDLERI

POPULUS TREMULOIDES/TALL FORB
POPULUS TREMULOIDES/THALICTRUM FENDLERI
POPULUS TREMULOIDES/WYETHIA AMPLEXICAULIS
POPULUS TRICHOCARPA/CORNUS STOLONIFERA
POPULUS TRICHOCARPA/ROSA WOODSII

MIXED EVERGREEN-DECIDUOUS FOREST

POPULUS TREMULOIDES-PINUS CONTORTA/CAREX GEYERI
POPULUS TREMULOIDES-PINUS CONTORTA/SYMPHORICARPOS OREOPHILUS
POPULUS TREMULOIDES-PSEUDOTSUGA MENZIESII/AMELANCHIER ALNIFOLIA
POPULUS TREMULOIDES-PSEUDOTSUGA MENZIESII/CALAMAGROSTIS
RUBESCENS
POPULUS TREMULOIDES-PSEUDOTSUGA MENZIESII/SYMPHORICARPOS
OREOPHILUS

EVERGREEN WOODLAND

ABIES LASIOCARPA-PINUS ALBICAULIS/VACCINIUM SCOPARIUM
ABIES LASIOCARPA/JUNIPERUS COMMUNIS
PICEA ENGELMANNII/CORNUS STOLONIFERA
PINUS ALBICAULIS/CAREX GEYERI
PINUS ALBICAULIS/JUNIPERUS COMMUNIS
PINUS FLEXILIS/FESTUCA IDAHOENSIS
PINUS FLEXILIS/JUNIPERUS COMMUNIS
PSEUDOTSUGA MENZIESII/AGROPYRON SPICATUM
PSEUDOTSUGA MENZIESII/FESTUCA IDAHOENSIS

EVERGREEN SHRUBLAND

ARTEMISIA TRIDENTATA SSP. SPICIFORMIS/BROMUS CARINATUS			
ARTEMISIA TRIDENTATA SSP. TRIDENTATA/AGROPYRON SPICATUM			
ARTEMISIA TRIDENTATA SSP. TRIDENTATA/FESTUCA IDAHOENSIS			
ARTEMISIA TRIDENTATA SSP. VASEYANA-SYMPHORICARPOS OREOPHILUS/CAREX GEYERI			
ARTEMISIA TRIDENTATA SSP. VASEYANA-SYMPHORICARPOS OREOPHILUS/FESTUCA IDAHOENSIS	2	25	SF, TU.
ARTEMISIA TRIDENTATA SSP. VASEYANA/AGROPYRON SPICATUM	1	105	WI.
CERCOCARPUS LEDIFOLIUS/AGROPYRON SPICATUM			

DECIDUOUS SHRUBLAND

ALNUS INCANA/MESIC FORB
ALNUS INCANA/MESIC GRAMINOID
ALNUS INCANA/RIBES HUDSONIANUM
ARTEMISIA CANA VAR. VISCIDULA/FESTUCA IDAHOENSIS
BETULA GLANDULOSA/CAREX UTRICULATA
CORNUS STOLONIFERA/GALIUM TRIFLORUM
CORNUS STOLONIFERA/HERACLEUM LANATUM
POTENTILLA FRUTICOSA/DESCHAMPSIA CESPITOSA
SALIX BOOTHII/CALAMAGROSTIS CANADENSIS
SALIX BOOTHII/CAREX AQUATILIS
SALIX BOOTHII/EQUISETUM ARVENSE
SALIX BOOTHII/SMILACINA STELLATA
SALIX CANDIDA/CAREX UTRICULATA
SALIX DRUMMONDIANA
SALIX EXIGUA/EQUISETUM ARVENSE
SALIX EXIGUA/MESIC FORB
SALIX GEYERIANA/CALAMAGROSTIS CANADENSIS
SALIX GEYERIANA/CAREX UTRICULATA
SALIX PLANIFOLIA VAR. MONICA/CAREX AQUATILIS-CAREX UTRICULATA
SALIX WOLFII/CAREX AQUATILIS

MIXED EVERGREEN-DECIDUOUS SHRUBLAND

PRUNUS VIRGINIANA/ARTEMISIA TRIDENTATA SSP.

Table 2b. YELLOWSTONE HIGHLANDS, Section M331A (continued)

VASEYANA-SYMPHORICARPOS OREOPHILUS	1	25	TU.
<u>EVERGREEN SPARSE SHRUBLAND</u>			
ARTEMISIA TRIDENTATA SSP. VASEYANA/FESTUCA IDAHOENSIS			
ARTEMISIA TRIPARTITA/AGROPYRON SPICATUM			
ARTEMISIA TRIPARTITA/FESTUCA IDAHOENSIS			
<u>EVERGREEN SPARSE DWARF-SHRUBLAND</u>			
ARTEMISIA ARBUSCULA VAR. THERMOPOLA/FESTUCA IDAHOENSIS			
ARTEMISIA NOVA/AGROPYRON SPICATUM			
<u>MEDIUM TALL GRASSLAND</u>			
CALAMAGROSTIS CANADENSIS			
CAREX UTRICULATA	1	18	TU.
DESCHAMPSIA CESPITOSA			
ELEOCHARIS PAUCIFLORA-CAREX AQUATILIS, CAREX LIVIDA PHASE			
FESTUCA IDAHOENSIS-AGROPYRON SPICATUM			
GLYCERIA BOREALIS			
<u>SHORT GRASSLAND</u>			
CAREX AQUATILIS	1	18	TU.
CAREX BUXBAUMII COMMUNITY TYPE			
CAREX LANUGINOSA			
CAREX LASIOCARPA			
CAREX LIMOSA			
CAREX MICROPTERA			
CAREX NEBRASKENSIS			
CAREX PRAEGRACILIS-CAREX AQUATILIS			
CAREX SIMULATA			
DULICHIMUM ARUNDINACEUM			
ELEOCHARIS PALUSTRIS (WETLAND/RIPARIAN)			
ELEOCHARIS PAUCIFLORUS			
FESTUCA IDAHOENSIS-DESCHAMPSIA CESPITOSA			
JUNCUS BALTICUS			
SCIRPUS ACUTUS			
<u>TALL FORB VEGETATION</u>			
MERTENSIA CILIATA			
VERATRUM CALIFORNICUM			
<u>LOW FORB VEGETATION</u>			
CALTHA LEPTOSEPALA			
<u>HYDROMORPHIC ROOTED VEGETATION</u>			
NUPHAR POLYSEPALUM			
TYPHA LATIFOLIA			

Table 2c. OVERTHRUST MOUNTAINS, Section M331D

	EO Count	Sum Area	Comments
<u>EVERGREEN FOREST</u>			
ABIES LASIOCARPA/ACER GLABRUM	3	133	BS, BT, HC.
ABIES LASIOCARPA/ACTAEA RUBRA			
ABIES LASIOCARPA/ARNICA CORDIFOLIA			
ABIES LASIOCARPA/ARNICA LATIFOLIA			
ABIES LASIOCARPA/Berberis repens			present at Mollens Hollow RNA, UT and TW Daniel Exp For pRNA, UT.
ABIES LASIOCARPA/CALAMAGROSTIS CANADENSIS			
ABIES LASIOCARPA/CALAMAGROSTIS CANADENSIS, LEDUM GLANDULOSUM PHASE			
ABIES LASIOCARPA/CALAMAGROSTIS RUBESCENS	2	128	BC, HC; Petticoat Peak pRNA.
ABIES LASIOCARPA/CAREX GEYERI			
ABIES LASIOCARPA/CAREX ROSSII			
ABIES LASIOCARPA/LINNAEA BOREALIS			
ABIES LASIOCARPA/MENZIESIA FERRUGINEA			
ABIES LASIOCARPA/OSMORHIZA CHILENSIS	3	83	BT, HC, SA.
ABIES LASIOCARPA/PEDICULARIS RACEMOSA			present at TW Daniel Exp For pRNA, UT.
ABIES LASIOCARPA/PHYSOCARPUS MALVACEUS	2	180	BS, HC.
ABIES LASIOCARPA/RIBES MONTIGENUM	1	10	MP.
ABIES LASIOCARPA/SHEPHERDIA CANADENSIS	1	5	HC.
ABIES LASIOCARPA/SPIRAEA BETULIFOLIA			
ABIES LASIOCARPA/SYMPHORICARPOS ALBUS	1	5	HC.
ABIES LASIOCARPA/VACCINIUM GLOBULARE	2	165	BS, HC.
ABIES LASIOCARPA/VACCINIUM SCOPARIUM	1	175	HC.
PICEA ENGELMANNII/CALAMAGROSTIS CANADENSIS			
PICEA ENGELMANNII/CALTHA LEPTOSEPALA			
PICEA ENGELMANNII/CAREX DISPERMA			
PICEA ENGELMANNII/EQUISETUM ARVENSE			
PICEA ENGELMANNII/GALIUM TRIFLORUM			
PICEA ENGELMANNII/JUNIPERUS COMMUNIS			
PINUS ALBICAULIS/CAREX ROSSII			
PINUS ALBICAULIS/VACCINIUM SCOPARIUM			
PINUS CONTORTA/ARNICA CORDIFOLIA			
PINUS CONTORTA/CALAMAGROSTIS RUBESCENS			
PINUS CONTORTA/SPIRAEA BETULIFOLIA			
PINUS CONTORTA/VACCINIUM GLOBULARE			
PINUS CONTORTA/VACCINIUM SCOPARIUM			
PSEUDOTSUGA MENZIESII/ACER GLABRUM	3	445	BS, BT, GJ; Petticoat Peak pRNA, Gunsight Peak RNA, UT and Mollens Hollow RNA, UT.
PSEUDOTSUGA MENZIESII/ARNICA CORDIFOLIA	1	10	MP.
PSEUDOTSUGA MENZIESII/Berberis repens	2	55	MP, SA; Petticoat Peak pRNA and Mollens Hollow RNA, UT.
PSEUDOTSUGA MENZIESII/CALAMAGROSTIS RUBESCENS	5	255	BT, GJ, HC, WF; Petticoat Peak pRNA and Robbers Roost Creek RNA/ACEC; Potneuf WMA.
PSEUDOTSUGA MENZIESII/JUNIPERUS COMMUNIS	1	10	MP.
PSEUDOTSUGA MENZIESII/OSMORHIZA CHILENSIS	3	105	BT, GJ, SA; Gunsight Peak RNA, UT.
PSEUDOTSUGA MENZIESII/PHYSOCARPUS MALVACEUS	1	185	BS.
PSEUDOTSUGA MENZIESII/SPIRAEA BETULIFOLIA			
PSEUDOTSUGA MENZIESII/SYMPHORICARPOS ALBUS			
PSEUDOTSUGA MENZIESII/SYMPHORICARPOS OREOPHILUS	1	70	BT.
PSEUDOTSUGA MENZIESII/VACCINIUM GLOBULARE			
<u>DECIDUOUS FOREST</u>			
ACER GRANDIDENTATUM/Berberis repens	1	100	GJ.
ACER GRANDIDENTATUM/CALAMAGROSTIS RUBESCENS	1	50	BS; Robbers Roost Creek RNA/ACEC; Potneuf WMA.
ACER GRANDIDENTATUM/OSMORHIZA CHILENSIS	1	43	BT; Cheatbeck Canyon RNA/ACEC.

Table 2c. OVERTHRUST MOUNTAINS, Section M331D (continued)

ACER NEGUNDO/CORNUS STOLONIFERA			
ACER NEGUNDO/EQUISETUM ARVENSE			
ACER NEGUNDO/OSMORHIZA CHILENSIS			present at Cheatbeck Canyon RNA/ACEC.
POPULUS ANGUSTIFOLIA/ACER GRANDIDENTATUM			
POPULUS ANGUSTIFOLIA/BETULA OCCIDENTALIS			
POPULUS ANGUSTIFOLIA/CORNUS STOLONIFERA			
POPULUS TREMULOIDES/AMELANCHIER ALNIFOLIA-SYMPHORICARPOS OREOPHILUS/BROMUS CARINATUS			
POPULUS TREMULOIDES/AMELANCHIER ALNIFOLIA-SYMPHORICARPOS OREOPHILUS/CALAMAGROSTIS RUBESCENS	2	195	SA, WF.
POPULUS TREMULOIDES/AMELANCHIER ALNIFOLIA-SYMPHORICARPOS OREOPHILUS/TALL FORB			
POPULUS TREMULOIDES/AMELANCHIER ALNIFOLIA-SYMPHORICARPOS OREOPHILUS/THALICTRUM FENDLERI			
POPULUS TREMULOIDES/AMELANCHIER ALNIFOLIA/TALL FORB			
POPULUS TREMULOIDES/AMELANCHIER ALNIFOLIA/THALICTRUM FENDLERI			
POPULUS TREMULOIDES/CALAMAGROSTIS RUBESCENS			
POPULUS TREMULOIDES/RUBUS PARVIFLORA			
POPULUS TREMULOIDES/SHEPHERDIA CANADENSIS			
POPULUS TREMULOIDES/SYMPHORICARPOS OREOPHILUS/CALAMAGROSTIS RUBESCENS			
POPULUS TREMULOIDES/SYMPHORICARPOS OREOPHILUS/TALL FORB			
POPULUS TREMULOIDES/SYMPHORICARPOS OREOPHILUS/THALICTRUM FENDLERI			
POPULUS TREMULOIDES/TALL FORB			
POPULUS TREMULOIDES/THALICTRUM FENDLERI	1	43	BT.
POPULUS TREMULOIDES/WYETHIA AMPLEXICAULIS			
POPULUS TRICHOCARPA/CORNUS STOLONIFERA			
POPULUS TRICHOCARPA/RECENT ALLUVIAL BAR			
POPULUS TRICHOCARPA/ROSA WOODSII			
<u>MIXED EVERGREEN-DECIDUOUS FOREST</u>			
POPULUS TREMULOIDES-ABIES LASIOCARPA/AMELANCHIER ALNIFOLIA			
POPULUS TREMULOIDES-ABIES LASIOCARPA/CAREX GEYERI			
POPULUS TREMULOIDES-ABIES LASIOCARPA/SHEPHERDIA CANADENSIS			
POPULUS TREMULOIDES-ABIES LASIOCARPA/SYMPHORICARPOS OREOPHILUS/TALL FORB			
POPULUS TREMULOIDES-ABIES LASIOCARPA/SYMPHORICARPOS OREOPHILUS/THALICTRUM FENDLERI			
POPULUS TREMULOIDES-PINUS CONTORTA/SYMPHORICARPOS OREOPHILUS			
POPULUS TREMULOIDES-PSEUDOTSUGA MENZIESII/AMELANCHIER ALNIFOLIA	2	58	BS, BT.
POPULUS TREMULOIDES-PSEUDOTSUGA MENZIESII/SYMPHORICARPOS OREOPHILUS	1	130	WF.
<u>EVERGREEN WOODLAND</u>			
JUNIPERUS OSTEOSPERMA-PINUS MONOPHYLLA/ARTEMISIA TRIDENTATA SSP. VASEYANA/AGROPYRON SPICATUM			
JUNIPERUS OSTEOSPERMA-PINUS MONOPHYLLA/CERCOCARPUS LEDIFOLIUS/AGROPYRON SPICATUM			
JUNIPERUS OSTEOSPERMA/AGROPYRON SPICATUM			
JUNIPERUS OSTEOSPERMA/ARTEMISIA NOVA/AGROPYRON SPICATUM	1	80	GJ.
JUNIPERUS OSTEOSPERMA/PURSHIA TRIDENTATA-SYMPHORICARPOS OREOPHILUS/AGROPYRON SPICATUM	1	15	WF.
JUNIPERUS OSTEOSPERMA/PURSHIA TRIDENTATA/POA SECUNDA			
PICEA ENGELMANNII/CORNUS STOLONIFERA			
PINUS ALBICAULIS/JUNIPERUS COMMUNIS			
PINUS FLEXILIS/CERCOCARPUS LEDIFOLIUS			present at Petticoat Peak pRNA and Gunsight Peak RNA, UT.
PINUS FLEXILIS/LEUCOPOA KINGII	1	90	MP.
PSEUDOTSUGA MENZIESII/CERCOCARPUS LEDIFOLIUS	2	90	BT, SA; Petticoat Peak pRNA and Mollens Hollow RNA, UT.

Table 2c. OVERTHRUST MOUNTAINS, Section M331D (continued)

EVERGREEN SPARSE WOODLAND

JUNIPERUS OSTEOSPERMA-PINUS MONOPHYLLA/ARTEMISIA TRIDENTATA
SSP. VASEYANA/AGROPYRON SPICATUM

EVERGREEN SHRUBLAND

ARTEMISIA TRIDENTATA SSP. SPICIFORMIS/BROMUS CARINATUS	1	40	BT.
ARTEMISIA TRIDENTATA SSP. TRIDENTATA/AGROPYRON SPICATUM			not expected on NFS in this section.
ARTEMISIA TRIDENTATA SSP. TRIDENTATA/ELYMUS CINEREUS	1	40	WF.
ARTEMISIA TRIDENTATA SSP. TRIDENTATA/FESTUCA IDAHOENSIS			not expected on NFS in this section.
ARTEMISIA TRIDENTATA SSP. TRIDENTATA/STIPA COMATA			not expected on NFS in this section.
ARTEMISIA TRIDENTATA SSP. VASEYANA/ELYMUS CINEREUS			present at Robbers Roost Creek RNA/ACEC; Potneuf WMA.
ARTEMISIA TRIDENTATA SSP. VASEYANA-SYMPHORICARPOS OREOPHILUS/AGROPYRON SPICATUM	3	600	BT, GJ, SA; Petticoat Peak pRNA and Robbers Roost Creek RNA/ACEC; Potneuf WMA.
ARTEMISIA TRIDENTATA SSP. VASEYANA-SYMPHORICARPOS OREOPHILUS/CAREX GEYERI			
ARTEMISIA TRIDENTATA SSP. VASEYANA-SYMPHORICARPOS OREOPHILUS/FESTUCA IDAHOENSIS			
ARTEMISIA TRIDENTATA SSP. VASEYANA/AGROPYRON SPICATUM	3	100	BS, BT, MP; Petticoat Peak pRNA.
ARTEMISIA TRIDENTATA SSP. VASEYANA/LEUCOPOA KINGII	1	95	MP.
ARTEMISIA TRIDENTATA SSP. WYOMINGENSIS/POA SECUNDA			
ARTEMISIA TRIDENTATA SSP. WYOMINGENSIS/STIPA COMATA			
CERCOCARPUS LEDIFOLIUS/AGROPYRON SPICATUM	3	295	BS, BT, SA; Petticoat Peak pRNA and Robbers Roost Creek and Oneida Narrows RNA/ACECs; Potneuf WMA; Gunsight Peak RNA, UT.
CERCOCARPUS LEDIFOLIUS/ARTEMISIA TRIDENTATA SSP. VASEYANA			
CERCOCARPUS LEDIFOLIUS/LEUCOPOA KINGII	1	110	SA; Petticoat Peak pRNA.

DECIDUOUS SHRUBLAND

ALNUS INCANA/CORNUS STOLONIFERA			
ALNUS INCANA/MESIC FORB			
ALNUS INCANA/MESIC GRAMINOID			
ALNUS INCANA/RIBES HUDSONIANUM	1	5	BS.
ARTEMISIA CANA VAR. VISCIDULA/FESTUCA IDAHOENSIS			
BETULA OCCIDENTALIS/CORNUS STOLONIFERA			
BETULA OCCIDENTALIS/MESIC FORB			
BETULA OCCIDENTALIS/PRUNUS VIRGINIANA			
CORNUS STOLONIFERA/GALIAM TRIFLORUM	1	5	BT.
CORNUS STOLONIFERA/HERACLEUM LANATUM	1	5	BS.
POTENTILLA FRUTICOSA/DESCHAMPSIA CESPITOSA			
RHAMNUS ALNIFOLIA			
SALIX BEBBIANA/MESIC GRAMINOID			
SALIX BOOTHII/CALAMAGROSTIS CANADENSIS			
SALIX BOOTHII/CAREX AQUATILIS			
SALIX BOOTHII/CAREX UTRICULATA	1	1	EV.
SALIX BOOTHII/EQUISETUM ARVENSE			
SALIX BOOTHII/MESIC FORB			
SALIX BOOTHII/MESIC GRAMINOID			
SALIX BOOTHII/POA PALUSTRIS			
SALIX BOOTHII/SMILACINA STELLATA			
SALIX EXIGUA/ARTEMISIA LUDOVICIANA			present at Oneida Narrow RNA/ACEC.
SALIX EXIGUA/BARREN			
SALIX EXIGUA/EQUISETUM ARVENSE			
SALIX EXIGUA/MESIC FORB			
SALIX EXIGUA/MESIC GRAMINOID			
SALIX GEYERIANA/CALAMAGROSTIS CANADENSIS			
SALIX GEYERIANA/CAREX AQUATILIS			
SALIX GEYERIANA/CAREX UTRICULATA			
SALIX GEYERIANA/DESCHAMPSIA CESPITOSA			

Table 2c. OVERTHRUST MOUNTAINS, Section M331D (continued)

SALIX GEYERIANA/MESIC FORB			
SALIX GEYERIANA/POA PALUSTRIS			
SALIX LASIOLEPIS/BARREN			
SALIX LUTEA			
SALIX PLANIFOLIA VAR. MONICA/CAREX AQUATILIS-CAREX UTRICULATA			
SALIX PLANIFOLIA/CAREX AQUATILIS			
SALIX WOLFII/CAREX AQUATILIS			
SALIX WOLFII/CAREX UTRICULATA			
SALIX WOLFII/DESCHAMPSIA CESPITOSA			
SALIX WOLFII/MESIC FORB			
<u>EVERGREEN SPARSE SHRUBLAND</u>			
ARTEMISIA TRIDENTATA SSP. VASEYANA/FESTUCA IDAHOENSIS			
ARTEMISIA TRIDENTATA SSP. WYOMINGENSIS/AGROPYRON SPICATUM			
ARTEMISIA TRIPARTITA/AGROPYRON SPICATUM			
ARTEMISIA TRIPARTITA/FESTUCA IDAHOENSIS			
PURSHIA TRIDENTATA/AGROPYRON SPICATUM	1	40	WF.
PURSHIA TRIDENTATA/STIPA COMATA			
<u>DECIDUOUS SPARSE SHRUBLAND</u>			
POTENTILLA FRUTICOSA/FESTUCA IDAHOENSIS			
<u>EVERGREEN SPARSE DWARF-SHRUBLAND</u>			
ARTEMISIA ARBUSCULA VAR. ARBUSCULA/AGROPYRON SPICATUM			
ARTEMISIA ARBUSCULA VAR. ARBUSCULA/FESTUCA IDAHOENSIS			
ARTEMISIA ARBUSCULA VAR. ARBUSCULA/POA SECUNDA			
ARTEMISIA NOVA/AGROPYRON SPICATUM	3	710	GJ, SA, WF.
ARTEMISIA NOVA/FESTUCA IDAHOENSIS			
ARTEMISIA NOVA/POA SECUNDA	1	70	WF.
<u>TALL GRASSLAND</u>			
ELYMUS CINEREUS			
<u>MEDIUM TALL GRASSLAND</u>			
AGROPYRON SPICATUM-POA SECUNDA, LITHOSOL			present at Oneida Narrows RNA/ACEC.
CAREX UTRICULATA	1	75	EV.
DESCHAMPSIA CESPITOSA			
<u>SHORT GRASSLAND</u>			
CAREX AQUATILIS	1	25	EV.
CAREX BUXBAUMII COMMUNITY TYPE			
CAREX LANUGINOSA			
CAREX LASIOCARPA			
CAREX LIMOSA			
CAREX MICROPTERA			
CAREX NEBRASKENSIS			
CAREX PRAEGRACILIS-CAREX AQUATILIS	1	25	EV.
CAREX SIMULATA			
ELEOCHARIS PALUSTRIS (WETLAND/RIPARIAN)			
JUNCUS BALTICUS			
SCIRPUS ACUTUS	1	1	EV.
SCIRPUS VALIDUS	1	20	EV.
<u>TALL FORB VEGETATION</u>			
MERTENSIA CILIATA			
VERATRUM CALIFORNICUM			
<u>LOW FORB VEGETATION</u>			
CALTHA LEPTOSEPALA			
<u>HYDROMORPHIC ROOTED VEGETATION</u>			
NUPHAR POLYSEPALUM			
TYPHA LATIFOLIA			

Table 2d. IDAHO BATHOLITH, Section M332A

EVERGREEN FOREST		EO	Sum	Comments
Species	Count	Area		
ABIES GRANDIS/ACER GLABRUM	2			DB; Ponderosa
Peninsula NA.				
ABIES GRANDIS/ADIANTUM PEDATUM	1	5		NB
ABIES GRANDIS/ASARUM CAUDATUM	3	824		NB, UN
ABIES GRANDIS/CLINTONIA UNIFLORA	7	2430		EL, LO, NB, OC;
Ponderosa Peninsula NA.				
ABIES GRANDIS/COPTIS OCCIDENTALIS	1	90		NB
ABIES GRANDIS/LINNAEA BOREALIS	2	26		NB, WS
ABIES GRANDIS/PHYSOCARPUS MALVACEUS	4	405		EL, NB, WS
ABIES GRANDIS/SENECIO TRIANGULARIS	2	45		UN, WS
ABIES GRANDIS/SPIRAEA BETULIFOLIA	2	405		EL, WS; Ponderosa
Peninsula NA.				
ABIES GRANDIS/TAXUS BREVIFOLIA/ASARUM CAUDATUM	3	512		NB, UN, WS
ABIES GRANDIS/TAXUS BREVIFOLIA/CLINTONIA UNIFLORA	1	55		WS
ABIES GRANDIS/VACCINIUM CAESPITOSUM				
ABIES GRANDIS/VACCINIUM GLOBULARE	5	851		CE, DU, EC, EL, PM; Ponderosa Peninsula NA.
ABIES GRANDIS/XEROPHYLLUM TENAX	6	334		EL, NB, OC, WS
ABIES LASIOCARPA/ACER GLABRUM	1	40		RR
ABIES LASIOCARPA/ALNUS SINUATA				
ABIES LASIOCARPA/ARNICA CORDIFOLIA	1	5		LB
ABIES LASIOCARPA/CALAMAGROSTIS CANADENSIS	10	300		BC, BR, FL, NE, PM, PN, SM, SQ.
ABIES LASIOCARPA/CALAMAGROSTIS CANADENSIS, LEDUM GLANDULOSUM PHASE	11	257		BC, BR, DL, FR, LB, MM, PM, PN, SL, SQ, SW.
ABIES LASIOCARPA/CALAMAGROSTIS RUBESCENS	3	236		BC, FR, SQ.
ABIES LASIOCARPA/CALTHA BIFLORA	3	255		BC, LB, MM.
ABIES LASIOCARPA/CAREX GEYERI	10	888		BC, CE, DG, FR, NE, RL, RR, SL, SQ, TM.
ABIES LASIOCARPA/CLINTONIA UNIFLORA	2	240		NB, OC; Ponderosa Peninsula NA.
ABIES LASIOCARPA/COPTIS OCCIDENTALIS				
ABIES LASIOCARPA/LINNAEA BOREALIS				
ABIES LASIOCARPA/LUZULA HITCHCOCKII	13	997		BC, EL, FM, LB, NE, SL, SM, SQ, TM.
ABIES LASIOCARPA/MENZIESIA FERRUGINEA	14	1857		BC, BR, DL, FL, MM, NB, NE, OC, PB, PM, PN, RL, SQ, SW.
ABIES LASIOCARPA/SPIRAEA BETULIFOLIA	1	40		RR.
ABIES LASIOCARPA/STREPTOPUS AMPLEXIFOLIUS	6	243		BC, BR, FL, FM, MM, NE.
ABIES LASIOCARPA/VACCINIUM CAESPITOSUM	2	25		BC, PM.
ABIES LASIOCARPA/VACCINIUM GLOBULARE	9	363		BC, BR, DL, EC, LB, NE, PM, PN.
ABIES LASIOCARPA/VACCINIUM SCOPARIUM	16	1344		BC, BR, DG, DL, FR, LB, NE, PB, PM, RL, SL, TM.
ABIES LASIOCARPA/XEROPHYLLUM TENAX	25	4838		BR, DL, EL, FM, GC, LB, MM, NB, NE, OC, PB, PN, SQ, SW.
present at Ponderosa Peninsula NA.				
PICEA ENGELMANNII/EQUISETUM ARVENSE	1	30		DL.
PICEA ENGELMANNII/GALIUM TRIFLORUM	1	250		SM.
PINUS ALBICAULIS (TIMBERLINE)	1	234		RL.
PINUS CONTORTA/CAREX GEYERI	1	3		BC.
PINUS CONTORTA/FESTUCA IDAHOENSIS				
PINUS CONTORTA/VACCINIUM CAESPITOSUM	1	104		SW.
PINUS CONTORTA/VACCINIUM OCCIDENTALE	1	20		PM.
PINUS CONTORTA/VACCINIUM SCOPARIUM	1	350		EL.
PINUS PONDEROSA/PHYSOCARPUS MALVACEUS	1			MU.
PINUS PONDEROSA/SYMPHORICARPOS ALBUS	3	200		BN, CE, RG.
PINUS PONDEROSA/SYMPHORICARPOS OREOPHILUS	3	395		DG, NF, RR.
PSEUDOTSUGA MENZIESII/ACER GLABRUM	2	32		RR.
PSEUDOTSUGA MENZIESII/Berberis repens				

Table 2d. IDAHO BATHOLITH, Section M332A (continued)

PSEUDOTSUGA MENZIESII/CALAMAGROSTIS RUBESCENS	9	1595	BC, DG, DL, FL, GC, MU, PM, RL, WS.
PSEUDOTSUGA MENZIESII/CAREX GEYERI	9	884	BC, BN, DG, EC, MU, NE, RG, RL, RR.
PSEUDOTSUGA MENZIESII/LINNAEA BOREALIS			
PSEUDOTSUGA MENZIESII/MESIC FORB			
PSEUDOTSUGA MENZIESII/OSMORHIZA CHILENSIS	1		RG.
PSEUDOTSUGA MENZIESII/PHYSOCARPUS MALVACEUS	19	5168	BN, CE, DB, DG, DL, EC, EL, GC, LO, LW, MU, NB, NF, OC, RG, RR.
PSEUDOTSUGA MENZIESII/SPIRAEA BETULIFOLIA	9	971	BN, EC, EL, LW, MU, NF, PM, RR, WS.
PSEUDOTSUGA MENZIESII/SYMPHORICARPOS ALBUS	7	828	BN, DG, EL, GC, LW, MU, NB.; Ponderosa Peninsula NA.
PSEUDOTSUGA MENZIESII/SYMPHORICARPOS OREOPHILUS	6	276	BN, BP, CE, EC, RG, RR.
PSEUDOTSUGA MENZIESII/VACCINIUM CAESPITOSUM	1	317	PM.
PSEUDOTSUGA MENZIESII/VACCINIUM GLOBULARE	2	342	DL, PM; Ponderosa Peninsula NA.
THUJA PLICATA/ADIANTUM PEDATUM	4	1288	DU, FC, OC.
THUJA PLICATA/ASARUM CAUDATUM	4	181	DU, FC.
THUJA PLICATA/ATHYRIUM FILIX-FEMINA	3	70	DU, FC; Lewis and Clark SIA.
THUJA PLICATA/CLINTONIA UNIFLORA	9	2861	DU, FC, LO, OC, WS; Lewis and Clark SIA.
THUJA PLICATA/GYMNOCARPIUM DRYOPTERIS	1	15	FC.
TSUGA MERTENSIANA/CLINTONIA UNIFLORA			
TSUGA MERTENSIANA/MENZIESIA FERRUGINEA			
<u>DECIDUOUS FOREST</u>			
ALNUS RHOMBIFOLIA-ABIES GRANDIS			
ALNUS RHOMBIFOLIA/AMELANCHIER ALNIFOLIA			
ALNUS RHOMBIFOLIA/BETULA OCCIDENTALIS			
ALNUS RHOMBIFOLIA/CELTIS RETICULATA			
ALNUS RHOMBIFOLIA/PRUNUS VIRGINIANA			
POPULUS TREMULOIDES/CORNUS STOLONIFERA	1		DW.
POPULUS TRICHOCARPA/ALNUS INCANA	1		DW.
POPULUS TRICHOCARPA/CICUTA DOUGLASII			
POPULUS TRICHOCARPA/CORNUS STOLONIFERA			
POPULUS TRICHOCARPA/CRATAEGUS DOUGLASII			
POPULUS TRICHOCARPA/FESTUCA IDAHOENSIS			
POPULUS TRICHOCARPA/RHAMNUS ALNIFOLIA			
POPULUS TRICHOCARPA/SYMPHORICARPOS ALBUS			
<u>MIXED EVERGREEN-DECIDUOUS FOREST</u>			
LARIX LYALLII-ABIES LASIOCARPA	3	329	GP, SM.
<u>EVERGREEN WOODLAND</u>			
ABIES GRANDIS/CALAMAGROSTIS RUBESCENS			
ABIES LASIOCARPA/JUNIPERUS COMMUNIS	1	15	SL.
PINUS ALBICAULIS-ABIES LASIOCARPA	11	697	BR, DL, EL, LB, NE, PB, PN, SL, SM, SQ, TM.
PINUS PONDEROSA/AGROPYRON SPICATUM	8	1529	CE, CO, DG, EL, GC, MU, NB, RG.
PINUS PONDEROSA/CRATAEGUS DOUGLASII			
PINUS PONDEROSA/FESTUCA IDAHOENSIS	4	392	CE, CO, GC, RG.
PINUS PONDEROSA/PURSHIA TRIDENTATA	5	248	BN, CE, MU, RG.
PINUS PONDEROSA/STIPA OCCIDENTALIS			
PSEUDOTSUGA MENZIESII/AGROPYRON SPICATUM	5	737	DG, EL, NF, RG, WS.
PSEUDOTSUGA MENZIESII/CERCOCARPUS LEDIFOLIUS	1	162	DG.
PSEUDOTSUGA MENZIESII/FESTUCA IDAHOENSIS	5	292	CE, CO, DG, RG, WS.

Table 2d. IDAHO BATHOLITH, Section M332A (continued)

<u>EVERGREEN SHRUBLAND</u>			
ARTEMISIA TRIDENTATA SSP. TRIDENTATA/AGROPYRON SPICATUM	2	311	CO, DG.
ARTEMISIA TRIDENTATA SSP. VASEYANA-SYMPHORICARPOS OREOPHILUS/AGROPYRON SPICATUM	1	28	EE.
ARTEMISIA TRIDENTATA SSP. VASEYANA-SYMPHORICARPOS OREOPHILUS/CAREX GEYERI			
ARTEMISIA TRIDENTATA SSP. VASEYANA-SYMPHORICARPOS OREOPHILUS/FESTUCA IDAHOENSIS			
ARTEMISIA TRIDENTATA SSP. VASEYANA/AGROPYRON SPICATUM	6	611	BN, BP, DG, EE, RG, RR. DG, EL, NB.
CERCOCARPUS LEDIFOLIUS/AGROPYRON SPICATUM	3	495	
CERCOCARPUS LEDIFOLIUS/FESTUCA IDAHOENSIS			
CERCOCARPUS LEDIFOLIUS/SYMPHORICARPOS ALBUS/FESTUCA IDAHOENSIS			
<u>DECIDUOUS SHRUBLAND</u>			
ALNUS INCANA/ATHYRIUM FELIX-FEMINA			
ALNUS INCANA/CAREX UTRICULATA			
ALNUS INCANA/CORNUS STOLONIFERA			
ALNUS INCANA/EQUISETUM SPP.			
ALNUS INCANA/MESIC FORB			
ALNUS INCANA/MESIC GRAMINOID			
ALNUS INCANA/RIBES HUDSONIANUM			
ALNUS INCANA/SPIRAEA DOUGLASSII			
ALNUS SINUATA	4	131	BR, EL, NE, RL.
ALNUS SINUATA/ATHYRIUM FILIX-FEMINA			
ALNUS SINUATA/MESIC FORB			
ALNUS SINUATA/MONTIA CORDIFOLIA	1	20	UN.
ARTEMISIA CANA VAR. VISCIDULA/FESTUCA IDAHOENSIS			
BETULA GLANDULOSA/LONICERA CAERULEA/SENECIO PSEUDAUREUS			
BETULA OCCIDENTALIS			
CORNUS STOLONIFERA			
CORNUS STOLONIFERA/HERACLEUM LANATUM			
CRATAEGUS DOUGLASSII/ROSA WOODSII	1		DW.
CRATAEGUS DOUGLASSII/SYMPHORICARPOS ALBUS	1		DW.
GLOSSOPETALON NEVADENSE/AGROPYRON SPICATUM	3	46	CO, EL, NB.
SALIX BOOTHII/CALAMAGROSTIS CANADENSIS			
SALIX BOOTHII/CAREX AQUATILIS			
SALIX BOOTHII/CAREX UTRICULATA			
SALIX BOOTHII/EQUISETUM ARVENSE			
SALIX COMMUTATA/CAREX SCOPULORUM			
SALIX DRUMMONDIANA/CALAMAGROSTIS CANADENSIS			
SALIX EASTWOODIAE/CAREX AQUATILIS			
SALIX EASTWOODIAE/CAREX UTRICULATA			
SALIX EXIGUA/BARREN	1		DW.
SALIX EXIGUA/ROSA WOODSII	1		DW.
SALIX GEYERIANA/CALAMAGROSTIS CANADENSIS			
SALIX GEYERIANA/CAREX AQUATILIS			
SALIX GEYERIANA/CAREX UTRICULATA			
SALIX GEYERIANA/GEUM MACROPHYLLUM			
SALIX PLANIFOLIA VAR. MONICA/CAREX AQUATILIS-CAREX UTRICULATA			
SALIX PLANIFOLIA VAR. MONICA/CAREX SCOPULORUM			
SALIX WOLFII/CAREX AQUATILIS			
SALIX WOLFII/CAREX MICROPTERA			
SALIX WOLFII/CAREX UTRICULATA			
SALIX WOLFII/SWERTIA PERENNIS-PEDICULARIS GROENLANDICA			
<u>MIXED EVERGREEN-DECIDUOUS SHRUBLAND</u>			
MENZIESIA FERRUGINEA-JUNIPERUS COMMUNIS	1	20	FL.
<u>EVERGREEN SPARSE SHRUBLAND</u>			
ARTEMISIA TRIDENTATA SSP. VASEYANA/FESTUCA IDAHOENSIS	4	477	BN, BP, DG, RG.
ARTEMISIA TRIDENTATA SSP. VASEYANA/STIPA COMATA			
ARTEMISIA TRIPARTITA/AGROPYRON SPICATUM	1	8	CO.

Table 2d. IDAHO BATHOLITH, Section M332A (continued)

ARTEMISIA TRIPARTITA/FESTUCA IDAHOENSIS	1	9	CO.
PURSHIA TRIDENTATA/AGROPYRON SPICATUM	3	22	MU, RG, RR.
PURSHIA TRIDENTATA/FESTUCA IDAHOENSIS	1		RG.

DECIDUOUS SPARSE SHRUBLAND

POTENTILLA FRUTICOSA/DANTHONIA INTERMEDIA

EVERGREEN DWARF-SHRUBLAND

PHYLLODOCE EMPETRIFORMIS-LEDUM GLANDULOSUM
 PHYLLODOCE EMPETRIFORMIS/CAREX SCOPULORUM
 CASSIOPE MERTENSIANA-SIBBALDIA PROCUMBENS

EVERGREEN SPARSE DWARF-SHRUBLAND

ARTEMISIA ARBUSCULA VAR. ARBUSCULA/AGROPYRON SPICATUM
 ARTEMISIA ARBUSCULA VAR. ARBUSCULA/FESTUCA IDAHOENSIS

DECIDUOUS SPARSE DWARF-SHRUBLAND

SALIX NIVALIS

MEDIUM TALL GRASSLAND

AGROPYRON SPICATUM-FESTUCA IDAHOENSIS (CANYON)	1		RG.
AGROPYRON SPICATUM/MELICA BULBOSA			
AGROPYRON SPICATUM-POA SECUNDA, LITHOSOL	2	85	GC, RG.
AGROPYRON SPICATUM/POA SECUNDA/BALSAMORHIZA SAGITTATA	1	280	EL.
AGROSTIS EXARATA-AGROSTIS SCABRA			
BROMUS SPP./STIPA OCCIDENTALIS			
CALAMAGROSTIS CANADENSIS	2	111.5	FL, SW.
CAREX UTRICULATA	2	111.5	FL, SW.
DESCHAMPSIA CESPITOSA			
DESCHAMPSIA CESPITOSA/DANTHONIA INTERMEDIA/CALAMAGROSTIS CANADENSIS			
FESTUCA IDAHOENSIS-AGROPYRON SPICATUM	3	415	DG, GC, NB.
FESTUCA IDAHOENSIS-ERIOGONUM CAESPITOSUM			

SHORT GRASSLAND

AGROPYRON SCRIBNERI			
CALAMAGROSTIS PURPURESCENS			
CAREX AQUATILIS	2	111	FM, SW.
CAREX BUXBAUMII COMMUNITY TYPE			
CAREX ELYNOIDES-LUPINUS ARGENTEUS			
CAREX ELYNOIDES-OXYTROPIS SERICEA			
CAREX NEBRASKENSIS			
CAREX NIGRICANS			
CAREX NIGRICANS-AGROSTIS HUMILIS			
CAREX PAYSONIS			
CAREX SCIRPOIDEA VAR. PSEUDOSCIPOIDEA			
CAREX SCIRPOIDEA/GEUM ROSSII			
CAREX SCIRPOIDEA/POTENTILLA DIVERSIFOLIA			
CAREX SIMULATA			
DESCHAMPSIA CESPITOSA-CALTHA LEPTOSEPALA			
ELEOCHARIS ACICULARIS			
DESCHAMPSIA CESPITOSA-POTENTILLA DIVERSIFOLIA			
ELEOCHARIS PALUSTRIS (WETLAND/RIPARIAN)			
FESTUCA IDAHOENSIS (ALPINE)			
FESTUCA OVINA			
IVESIA GORDONII-ARENARIA OBTUSILOBA			
IVESIA GORDONII-ERIOGONUM CAESPITOSUM			
JUNCUS BALTICUS			
JUNCUS DRUMMONDII-CAREX SPP.			
JUNCUS PARRYI			
SCIRPUS CESPITOSUS-CAREX LIVIDA			

LOW FORB VEGETATION

ASTER INTEGRIFOLIUS-FESTUCA IDAHOENSIS

Table 2d. IDAHO BATHOLITH, Section M332A (continued)

CALTHA LEPTOSEPALA	1	TM.
CAMASSIA QUAMASH		
GEUM ROSSII		
POTENTILLA DIVERSIFOLIA-ARENARIA OBTUSILOBA		
SAXIFRAGA OPPOSITIFOLIA		

Table 2e. BEAVERHEAD MOUNTAINS, Section M332E

	EO Count	Sum Area	Comments
EVERGREEN FOREST			
ABIES LASIOCARPA/ACER GLABRUM			
ABIES LASIOCARPA/ALNUS SINUATA			
ABIES LASIOCARPA/ARNICA CORDIFOLIA	2	265	MC, TC.
ABIES LASIOCARPA/ARNICA LATIFOLIA			
ABIES LASIOCARPA/CALAMAGROSTIS CANADENSIS	1	8	BV; Trail Creek RNA/ACEC; Skull-Odell pRNA, MT.
ABIES LASIOCARPA/CALAMAGROSTIS CANADENSIS, LEDUM GLANDULOSUM PHASE	2	13	AM, BV; Trail Creek RNA/ACEC.
ABIES LASIOCARPA/CALAMAGROSTIS RUBESCENS	2	666	BV, KC.
ABIES LASIOCARPA/CAREX GEYERI	1	20	DC; Trail Creek RNA/ACEC.
ABIES LASIOCARPA/LINNAEA BOREALIS	1	31	BV; Skull-Odell pRNA, MT.
ABIES LASIOCARPA/MENZIESIA FERRUGINEA	2	140	AM, DC; Skull-Odell pRNA, MT.
ABIES LASIOCARPA/RIBES MONTIGENUM	2	195	MC, TC Cave Mountain pRNA, MT.
ABIES LASIOCARPA/STREPTOPUS AMPLEXIFOLIUS	1	60	BV.
ABIES LASIOCARPA/SYMPHORICARPOS ALBUS			
ABIES LASIOCARPA/THALICTRUM OCCIDENTALE	1	300	TC.
ABIES LASIOCARPA/VACCINIUM CAESPITOSUM			
ABIES LASIOCARPA/VACCINIUM GLOBULARE	1	60	TC.
ABIES LASIOCARPA/VACCINIUM SCOPARIUM	4	735	BV, KC, MA, TC; Trail Creek RNA/ACEC; Skull-Odell pRNA, Cliff Lake RNA, Goat Flat pRNA, MT.
ABIES LASIOCARPA/XEROPHYLLUM TENAX	4	1200	AM, DC.
PICEA ENGELMANNII/ARNICA CORDIFOLIA	1	200	WC.
PICEA ENGELMANNII/CAREX DISPERMA	2	283	BV, KC.
PICEA ENGELMANNII/EQUISETUM ARVENSE			present at Basin Creek pRNA, MT.
PICEA ENGELMANNII/GALIUM TRIFLORUM			present at Basin Creek pRNA, MT.
PICEA ENGELMANNII/HYPNUM REVOLUTUM	2	725	MC, WC.
PICEA ENGELMANNII/JUNIPERUS COMMUNIS	2	255	MC, WC.
PICEA ENGELMANNII/RIBES MONTIGENUM	1	50	WC.
PINUS ALBICAULIS (TIMBERLINE)	2	95	CM, DC.
PINUS ALBICAULIS/CAREX ROSSII			
PINUS ALBICAULIS/LEUCOPOA KINGII			
PINUS ALBICAULIS/VACCINIUM SCOPARIUM	2	394	KC, TM.
PINUS CONTORTA/FESTUCA IDAHOENSIS			
PINUS PONDEROSA/SYMPHORICARPOS ALBUS			
PSEUDOTSUGA MENZIESII/ACER GLABRUM			
PSEUDOTSUGA MENZIESII/ARNICA CORDIFOLIA	4	455	MC, ME, WC.
PSEUDOTSUGA MENZIESII/BERBERIS REPENS			
PSEUDOTSUGA MENZIESII/CALAMAGROSTIS RUBESCENS	3	1134	BV, DC, KC; Cliff Lake RNA, Cottonwood Creek RNA, and Horse Prairie pRNA, MT.
PSEUDOTSUGA MENZIESII/CAREX GEYERI	2	329	DC, KC.
PSEUDOTSUGA MENZIESII/JUNIPERUS COMMUNIS	4	255	MC, ME, MI, WC; Cattle Gulch pRNA, MT.
PSEUDOTSUGA MENZIESII/JUNIPERUS SCOPULORUM	1	40	MI.
PSEUDOTSUGA MENZIESII/LEUCOPOA KINGII	1	30	MI.
PSEUDOTSUGA MENZIESII/OSMORHIZA CHILENSIS			
PSEUDOTSUGA MENZIESII/PHYSOCARPUS MALVACEUS	2	50	DC.
PSEUDOTSUGA MENZIESII/SPIRAEA BETULIFOLIA	2	129	DC, KC.
PSEUDOTSUGA MENZIESII/SYMPHORICARPOS ALBUS			present at Cliff Lake RNA, MT
PSEUDOTSUGA MENZIESII/SYMPHORICARPOS OREOPHILUS	3	851	BV, MC, WC; Cliff Lake RNA and Cattle Gulch pRNA, MT.
PSEUDOTSUGA MENZIESII/VACCINIUM GLOBULARE	1	40	DC.
PSEUDOTSUGA MENZIESII/XEROPHYLLUM TENAX	1	30	DC.

Table 2e. BEAVERHEAD MOUNTAINS, Section M332E (continued)

<u>DECIDUOUS FOREST</u>		
POPULUS TREMULOIDES/AMELANCHIER ALNIFOLIA-SYMPHORICARPOS OREOPHILUS/CALAMAGROSTIS RUBESCENS		
POPULUS TREMULOIDES/AMELANCHIER ALNIFOLIA-SYMPHORICARPOS OREOPHILUS/THALICTRUM FENDLERI		
POPULUS TREMULOIDES/CALAMAGROSTIS RUBESCENS		
POPULUS TREMULOIDES/SYMPHORICARPOS OREOPHILUS/CALAMAGROSTIS RUBESCENS		
POPULUS TREMULOIDES/SYMPHORICARPOS OREOPHILUS/THALICTRUM FENDLERI		
POPULUS TREMULOIDES/TALL FORB		
POPULUS TREMULOIDES/THALICTRUM FENDLERI		
POPULUS TREMULOIDES/WYETHIA AMPLEXICAULIS		
POPULUS TRICHOCARPA/CORNUS STOLONIFERA		present at Horse Prairie pRNA, MT.
POPULUS TRICHOCARPA/ROSA WOODSII		
<u>MIXED EVERGREEN-DECIDUOUS FOREST</u>		
LARIX LYALLII-ABIES LASIOCARPA	1	80 AM; Goat Flat pRNA, MT.
<u>EVERGREEN WOODLAND</u>		
ABIES LASIOCARPA/JUNIPERUS COMMUNIS	2	173 BV, MC.
JUNIPERUS OSTEOSPERMA/AGROPYRON SPICATUM		present at Southwest Lemhi Range pRNA.
JUNIPERUS OSTEOSPERMA/ARTEMISIA NOVA/AGROPYRON SPICATUM		present at Southwest Lemhi Range pRNA.
JUNIPERUS OSTEOSPERMA/ARTEMISIA NOVA/POA SECUNDA		
JUNIPERUS OSTEOSPERMA/ARTEMISIA TRIDENTATA		
JUNIPERUS OSTEOSPERMA/ARTEMISIA TRIDENTATA SSP. VASEYANA/AGROPYRON SPICATUM		
PINUS ALBICAULIS-ABIES LASIOCARPA	6	439 AM, BV, DC, MA, ML, SB; Cave Mountain pRNA and Elkhorn Lake pRNA, MT.
PINUS ALBICAULIS/CAREX GEYERI	1	94 KC.
PINUS ALBICAULIS/FESTUCA IDAHOENSIS	3	492 KC, MC, WC.
PINUS ALBICAULIS/JUNIPERUS COMMUNIS	3	317 KC, MC, WC.
PINUS FLEXILIS (TIMBERLINE)	1	120 MI.
PINUS FLEXILIS/CERCOCARPUS LEDIFOLIUS	2	88 CM, MC.
PINUS FLEXILIS/FESTUCA IDAHOENSIS	2	108 MC, ME.
PINUS FLEXILIS/HOLODISCUS DUMOSUS		
PINUS FLEXILIS/JUNIPERUS COMMUNIS	1	73 MC.
PINUS FLEXILIS/LEUCOPOA KINGII	1	73 MC.
PINUS FLEXILIS/POTENTILLA FRUTICOSA/DISTICHLIS SPICATA VAR. STRICTA		
PSEUDOTSUGA MENZIESII/AGROPYRON SPICATUM		present at Cattle Gulch pRNA and Cliff Lake RNA, MT.
PSEUDOTSUGA MENZIESII/CERCOCARPUS LEDIFOLIUS	4	1105 BV, MC, ME, MI.
PSEUDOTSUGA MENZIESII/FESTUCA IDAHOENSIS	4	241 BV, KC, MC, WC; Cronks Canyon RNA/ACEC; Horse Prairie pRNA, MT.
<u>EVERGREEN SPARSE WOODLAND</u>		
JUNIPERUS OSTEOSPERMA/ARTEMISIA ARBUSCULA VAR. ARBUSCULA/FESTUCA IDAHOENSIS		
JUNIPERUS OSTEOSPERMA/ARTEMISIA TRIDENTATA SSP. VASEYANA/FESTUCA IDAHOENSIS		
JUNIPERUS OSTEOSPERMA/ELYMUS AMBIGUUS VAR. SALMONIS		present at Southwest Lemhi Range pRNA.
JUNIPERUS OSTEOSPERMA/STIPA COMATA		present at Southwest Lemhi Range pRNA.
<u>EVERGREEN SHRUBLAND</u>		
ARTEMISIA TRIDENTATA SSP. TRIDENTATA/AGROPYRON SPICATUM		present at Southwest Lemhi Range pRNA; not expected on NFS in this

Table 2e. BEAVERHEAD MOUNTAINS, Section M332E (continued)

				section.
ARTEMISIA TRIDENTATA SSP. VASEYANA-SYMPHORICARPOS OREOPHILUS/AGROPYRON SPICATUM				
ARTEMISIA TRIDENTATA SSP. VASEYANA-SYMPHORICARPOS OREOPHILUS/CAREX GEYERI				
ARTEMISIA TRIDENTATA SSP. VASEYANA-SYMPHORICARPOS OREOPHILUS/FESTUCA IDAHOENSIS				
ARTEMISIA TRIDENTATA SSP. VASEYANA/AGROPYRON SPICATUM	1	105	CM.	
ARTEMISIA TRIDENTATA SSP. WYOMINGENSIS/ELYMUS AMBIGUUS VAR. SALMONIS				
ARTEMISIA TRIDENTATA SSP. WYOMINGENSIS/FESTUCA IDAHOENSIS				
ARTEMISIA TRIDENTATA SSP. WYOMINGENSIS/POA SECUNDA				present at Antelope Flat RNA/ACEC.
ARTEMISIA TRIDENTATA SSP. WYOMINGENSIS/SITANION HYSTRIX				
CERCOCARPUS LEDIFOLIUS/AGROPYRON SPICATUM	3	205	DC, MC, MI; Cronks Canyon RNA/ACEC; Cattle Gulch pRNA, MT.	
CERCOCARPUS LEDIFOLIUS/ARTEMISIA TRIDENTATA SSP. VASEYANA				
CERCOCARPUS LEDIFOLIUS/ARTEMISIA TRIDENTATA/FESTUCA IDAHOENSIS				
CERCOCARPUS LEDIFOLIUS/FESTUCA IDAHOENSIS				
<u>DECIDUOUS SHRUBLAND</u>				
ALNUS INCANA-BETULA OCCIDENTALIS/SALIX EXIGUA				present at Allison Creek Island pRNA.
ALNUS INCANA/CORNUS STOLONIFERA				
ALNUS INCANA/RIBES HUDSONIANUM				
ARTEMISIA CANA VAR. VISCIDULA/FESTUCA IDAHOENSIS				
BETULA GLANDULOSA/LONICERA CAERULEA/SENECIO PSEUDAUREUS				
BETULA OCCIDENTALIS				
BETULA OCCIDENTALIS/CORNUS STOLONIFERA				present at Allison Creek Island pRNA.
CORNUS STOLONIFERA/GALIUM TRIFLORUM				
CORNUS STOLONIFERA/HERACLEUM LANATUM				
SALIX BOOTHII/CALAMAGROSTIS CANADENSIS				
SALIX BOOTHII/CAREX AQUATILIS				
SALIX BOOTHII/CAREX NEBRASKENSIS				
SALIX BOOTHII/CAREX UTRICULATA				
SALIX BOOTHII/EQUISETUM ARVENSE				
SALIX BOOTHII/MESIC FORB				
SALIX BOOTHII/SMILACINA STELLATA				
SALIX DRUMMONDIANA/CALAMAGROSTIS CANADENSIS				
SALIX DRUMMONDIANA/CAREX UTRICULATA				
SALIX EASTWOODIAE/CAREX AQUATILIS				
SALIX EASTWOODIAE/CAREX UTRICULATA				
SALIX GEYERIANA/CALAMAGROSTIS CANADENSIS				present at Horse Prairie pRNA, MT
SALIX GEYERIANA/CAREX AQUATILIS				
SALIX GEYERIANA/CAREX UTRICULATA				present at Horse Prairie pRNA and Basin Creek pRNA, MT
SALIX GEYERIANA/MESIC FORB				
SALIX LUTEA				
SALIX PLANIFOLIA VAR. MONICA/CAREX AQUATILIS-CAREX UTRICULATA				present at Skull-Odell pRNA, MT
SALIX PLANIFOLIA VAR. MONICA/CAREX SCOPULORUM				
SALIX WOLFII/CALAMAGROSTIS CANADENSIS				
SALIX WOLFII/CAREX AQUATILIS				
SALIX WOLFII/CAREX NEBRASKENSIS				
SALIX WOLFII/CAREX UTRICULATA				
SALIX WOLFII/POA PALUSTRIS				
SALIX WOLFII/SWERTIA PERENNIS-PEDICULARIS GROENLANDICA				
<u>MIXED EVERGREEN-DECIDUOUS SHRUBLAND</u>				
ATRIPLEX CONFERTIFOLIA/AGROPYRON SPICATUM				present at Southwest Lemhi Range pRNA.
ATRIPLEX CONFERTIFOLIA/ELYMUS AMBIGUUS VAR. SALMONIS				present at Southwest Lemhi Range pRNA.
ATRIPLEX CONFERTIFOLIA/ORYZOPSIS HYMENOIDES	1		MI.	

Table 2e. BEAVERHEAD MOUNTAINS, Section M332E (continued)

EVERGREEN SPARSE SHRUBLAND

ARTEMISIA TRIDENTATA SSP. VASEYANA/FESTUCA IDAHOENSIS	4	555	MC, ME, TC, WC; Cliff Lake RNA, MT.
ARTEMISIA TRIDENTATA SSP. VASEYANA/STIPA COMATA			
ARTEMISIA TRIDENTATA SSP. WYOMINGENSIS/AGROPYRON SPICATUM			present at Southwest Lemhi Range pRNA and Antelope Flat and Cronks Canyon RNA/ACECs; Cattle Gulch pRNA and Cliff Lake RNA, MT.
ARTEMISIA TRIPARTITA/AGROPYRON SPICATUM			
ARTEMISIA TRIPARTITA/FESTUCA IDAHOENSIS			present at Cronks Canyon and Summit Creek Enclosure RNA/ACECs.
CAREX STENOPHYLLA-POA SECUNDA			present at Antelope Flat RNA/ACEC.

EVERGREEN SPARSE DWARF-SHRUBLAND

ARTEMISIA ARBUSCULA VAR. ARBUSCULA/AGROPYRON SPICATUM			present at Southwest Lemhi Range pRNA and Summit Creek Enclosure RNA/ACEC.
ARTEMISIA ARBUSCULA VAR. ARBUSCULA/ELYMUS AMBIGUUS VAR. SALMONIS			present at Southwest Lemhi Range pRNA.
ARTEMISIA ARBUSCULA VAR. ARBUSCULA/FESTUCA IDAHOENSIS			
ARTEMISIA ARBUSCULA VAR. THERMOPOLA/FESTUCA IDAHOENSIS			
ARTEMISIA NOVA/AGROPYRON SPICATUM	1	660	MI; Southwest Lemhi Range and Middle Canyon pRNAs.
ARTEMISIA NOVA/ELYMUS AMBIGUUS VAR. SALMONIS			present at Middle Canyon pRNA.
ARTEMISIA NOVA/FESTUCA IDAHOENSIS	1		MI.
ARTEMISIA NOVA/ORYZOPSIS HYMENOIDES			present at Middle Canyon pRNA.
ARTEMISIA NOVA/POA SECUNDA	1		MI.
ARTEMISIA NOVA/STIPA COMATA			

DECIDUOUS SPARSE DWARF-SHRUBLAND

HAPLOPAPPUS SUFFRUTICOSUS/FESTUCA IDAHOENSIS
HAPLOPAPPUS SUFFRUTICOSUS/SITANION HYSTRIX
SALIX NIVALIS

MEDIUM TALL GRASSLAND

ARISTIDA LONGISETA/POA SECUNDA			
CALAMAGROSTIS CANADENSIS			present at Skull-Odell pRNA, MT.
CAREX UTRICULATA			present at Skull-Odell pRNA and Basin Creek pRNA, MT.
DESCHAMPSIA CESPITOSA			present at Skull-Odell pRNA, Goat Flat pRNA and Horse Prairie pRNA, MT.
DESCHAMPSIA CESPITOSA/DANTHONIA INTERMEDIA/CALAMAGROSTIS CANADENSIS			
ELYMUS AMBIGUUS VAR. SALMONIS-ENCELIOPSIS NUDICAULIS			
ELYMUS AMBIGUUS VAR. SALMONIS-LUPINUS ARGENTEUS			
FESTUCA IDAHOENSIS-AGROPYRON SPICATUM	1	220	MC; Cliff Lake RNA and Cottonwood Creek RNA, MT.
FESTUCA IDAHOENSIS-ERIOGONUM CAESPITOSUM			
FESTUCA IDAHOENSIS-POTENTILLA DIVERSIFOLIA			
FESTUCA SCABRELLA-FESTUCA IDAHOENSIS			

SHORT GRASSLAND

AGROPYRON SCRIBNERI			
CALAMAGROSTIS PURPURESCENS			
CAREX AQUATILIS			present at Skull-Odell pRNA and Basin Creek pRNA, MT.
CAREX ELYNOIDES-LUPINUS ARGENTEUS			present at Cave Mountain pRNA, MT.
CAREX ELYNOIDES-OXYTROPIS SERICEA			present at Cave Mountain pRNA, MT.
CAREX MICROPTERA			
CAREX NEBRASKENSIS			
CAREX NIGRICANS			
CAREX RUPESTRIS VAR. DRUMMONDIANA			
CAREX SCIRPOIDEA VAR. PSEUDOSCIROIDEA			

Table 2e. BEAVERHEAD MOUNTAINS, Section M332E (continued)

CAREX SCIRPOIDEA/GEUM ROSSII	
CAREX SCIRPOIDEA/POTENTILLA DIVERSIFOLIA	
CAREX SCOPULORUM	
CAREX SIMULATA	
DESCHAMPSIA CESPITOSA-CALTHA LEPTOSEPALA	
DESCHAMPSIA CESPITOSA-POTENTILLA DIVERSIFOLIA	
DRYAS OCTOPETALA	present at Goat Flat pRNA, MT.
ELEOCHARIS PALUSTRIS (WETLAND/RIPARIAN)	
ELEOCHARIS PAUCIFLORUS	present at Skull-Odell pRNA, MT.
FESTUCA IDAHOENSIS (ALPINE)	1 38 CM; Goat Flat pRNA, MT.
FESTUCA IDAHOENSIS-DESCHAMPSIA CESPITOSA	present at Cave Mountain pRNA, MT.
FESTUCA IDAHOENSIS-LEUCOPOA KINGII	
FESTUCA OVINA	
IVESIA GORDONII-ARENARIA OBTUSILOBA	
IVESIA GORDONII-ERIOGONUM CAESPITOSUM	
JUNCUS BALTICUS	
JUNCUS DRUMMONDII-CAREX SPP.	
JUNCUS PARRYI	
LEUCOPOA KINGII	1 38 CM; Cave Mountain pRNA, MT.
LEUCOPOA KINGII-CAREX ELYNOIDES	
LEUCOPOA KINGII-PHLOX PULVINATA	
LEUCOPOA KINGII-POA CUSICKII	
LEUCOPOA KINGII/OXYTROPIS CAMPESTRIS	
POA EPILIS	
POTENTILLA OVINA-AGROPYRON SCRIBNERI	
<u>TALL FORB VEGETATION</u>	
MERTENSIA CILIATA	
VERATRUM CALIFORNICUM	
<u>LOW FORB VEGETATION</u>	
GEUM ROSSII	
POTENTILLA BREVI-FOLIA	
POTENTILLA DIVERSIFOLIA-ARENARIA OBTUSILOBA	
SAXIFRAGA OPPOSITIFOLIA	
TANACETUM NUTTALLII-ARTEMISIA FRIGIDA-POA SECUNDA	present at Antelope Flat RNA/ACEC; not expected on NFS in this section.
TANACETUM NUTTALLII-ORYZOPSIS SWALLENII	present at Antelope Flat RNA/ACEC; not expected on NFS in this section.
<u>HYDROMORPHIC ROOTED VEGETATION</u>	
NUPHAR POLYSEPALUM	
TYPHA LATIFOLIA	

Table 2f. CHALLIS VOLCANICS, Section M332F

	EO Count	Sum Area	Comments
<u>EVERGREEN FOREST</u>			
ABIES GRANDIS/VACCINIUM GLOBULARE	1	222	BE.
ABIES LASIOCARPA/ARNICA CORDIFOLIA	1	55	BG.
ABIES LASIOCARPA/CALAMAGROSTIS CANADENSIS	2	50	CP.
ABIES LASIOCARPA/CALAMAGROSTIS CANADENSIS, LEDUM GLANDULOSUM PHASE	5	377	BE, CC, CP, IB, MY.
ABIES LASIOCARPA/CALAMAGROSTIS RUBESCENS	2	193	CP, PE.
ABIES LASIOCARPA/CALTHA BIFLORA	1	10	CP.
ABIES LASIOCARPA/CAREX GEYERI	5	660	BE, BG, CC, CP, MY.
ABIES LASIOCARPA/LUZULA HITCHCOCKII	3	287	BE, CP.
ABIES LASIOCARPA/MENZIESIA FERRUGINEA	2	252	BE, CP.
ABIES LASIOCARPA/RIBES MONTIGENUM	2	305	BG.
ABIES LASIOCARPA/SPIRAEA BETULIFOLIA			
ABIES LASIOCARPA/STREPTOPUS AMPLEXIFOLIUS	1	33	CP.
ABIES LASIOCARPA/VACCINIUM CAESPITOSUM			
ABIES LASIOCARPA/VACCINIUM SCOPARIUM	5	620	BE, CC, CP, MY.
ABIES LASIOCARPA/XEROPHYLLUM TENAX	2	444	BE.
PICEA ENGELMANNII/EQUISETUM ARVENSE			
PINUS ALBICAULIS (TIMBERLINE)	2	440	SI, SU.
PINUS ALBICAULIS/LEUCOPOA KINGII			
PINUS ALBICAULIS/POA NERVOSA	1	65	BG.
PINUS CONTORTA/FESTUCA IDAHOENSIS			
PINUS CONTORTA/VACCINIUM OCCIDENTALE	1	20	SV.
PSEUDOTSUGA MENZIESII/ACER GLABRUM			
PSEUDOTSUGA MENZIESII/ARNICA CORDIFOLIA	1	157	BE; Germer Basin RNA.
PSEUDOTSUGA MENZIESII/Berberis repens			
PSEUDOTSUGA MENZIESII/CALAMAGROSTIS RUBESCENS	1	20	BE.
PSEUDOTSUGA MENZIESII/CAREX GEYERI	1	65	CP.
PSEUDOTSUGA MENZIESII/JUNIPERUS COMMUNIS	1	20	BG.
PSEUDOTSUGA MENZIESII/SPIRAEA BETULIFOLIA			
PSEUDOTSUGA MENZIESII/SYMPHORICARPOS ALBUS			
PSEUDOTSUGA MENZIESII/SYMPHORICARPOS OREOPHILUS	1	26	IB; Pecks Canyon RNA/ACEC.
<u>DECIDUOUS FOREST</u>			
POPULUS TRICHOCARPA/CORNUS STOLONIFERA			present at Hemingway Preserve.
POPULUS TRICHOCARPA/ROSA WOODSII			
<u>EVERGREEN WOODLAND</u>			
ABIES LASIOCARPA/JUNIPERUS COMMUNIS	3	313	CC, MY, SU.
PINUS ALBICAULIS-ABIES LASIOCARPA	6	804	BE, CC, CP, MY, SI, SU.
PINUS ALBICAULIS/FESTUCA IDAHOENSIS			present at Lake Creek RNA/ACEC.
PINUS FLEXILIS (TIMBERLINE)	1	10	SU.
PINUS FLEXILIS/CERCOCARPUS LEDIFOLIUS			
PINUS FLEXILIS/HOLODISCUS DUMOSUS			
PINUS FLEXILIS/PURSHIA TRIDENTATA			
PSEUDOTSUGA MENZIESII/AGROPYRON SPICATUM			present at Germer Basin RNA and Lake Creek RNA/ACEC.
PSEUDOTSUGA MENZIESII/CERCOCARPUS LEDIFOLIUS			present at Germer Basin RNA.
PSEUDOTSUGA MENZIESII/FESTUCA IDAHOENSIS			
<u>EVERGREEN SHRUBLAND</u>			
ARTEMISIA TRIDENTATA SSP. TRIDENTATA/AGROPYRON SPICATUM			present at East Fork Salmon River Bench RNA.
ARTEMISIA TRIDENTATA SSP. VASEYANA-SYMPHORICARPOS OREOPHILUS/AGROPYRON SPICATUM			
ARTEMISIA TRIDENTATA SSP. VASEYANA/AGROPYRON SPICATUM	2	17	BG, PE; Lake Creek RNA/ACEC.
ARTEMISIA TRIDENTATA SSP. VASEYANA/LEUCOPOA KINGII			present at Lake Creek RNA/ACEC.
ARTEMISIA TRIDENTATA SSP. WYOMINGENSIS/ELYMUS AMBIGUUS VAR.			

Table 2f. CHALLIS VOLCANICS, Section M332F (continued)

SALMONIS				present at Germer Basin RNA.
ARTEMISIA TRIDENTATA SSP. WYOMINGENSIS/POA SECUNDA				
ARTEMISIA TRIDENTATA SSP. WYOMINGENSIS/SITANION HYSTRIX				present at East Fork Salmon River Bench RNA.
ARTEMISIA TRIDENTATA SSP. WYOMINGENSIS/STIPA COMATA				present at East Fork Salmon River Bench RNA.
CERCOCARPUS LEDIFOLIUS/AGROPYRON SPICATUM				present at Germer Basin RNA and Pecks Canyon RNA/ACEC.
CERCOCARPUS LEDIFOLIUS/ARTEMISIA TRIDENTATA SSP. VASEYANA				
CERCOCARPUS LEDIFOLIUS/ARTEMISIA TRIDENTATA/FESTUCA IDAHOENSIS				
CERCOCARPUS LEDIFOLIUS/ELYMUS AMBIGUUS VAR. SALMONIS				present at Germer Basin RNA.
CERCOCARPUS LEDIFOLIUS/FESTUCA IDAHOENSIS				
CERCOCARPUS LEDIFOLIUS/HOLODISCUS DUMOSUS				present at Germer Basin RNA.
CERCOCARPUS LEDIFOLIUS/SYMPHORICARPOS OREOPHILUS				present at Pecks Canyon RNA/ACEC.
CERCOCARPUS LEDIFOLIUS/SYMPHORICARPOS ALBUS/FESTUCA IDAHOENSIS				
<u>DECIDUOUS SHRUBLAND</u>				
ALNUS INCANA/CAREX UTRICULATA				
ALNUS INCANA/CORNUS STOLONIFERA				
ALNUS INCANA/EQUISETUM SPP.				
ALNUS INCANA/MESIC FORB				
ALNUS INCANA/RIBES HUDSONIANUM				
ALNUS SINUATA	1	1		BE.
ARTEMISIA CANA VAR. VISCIDULA/FESTUCA IDAHOENSIS				
BETULA GLANDULOSA/LONICERA CAERULEA/SENECIO PSEUDAUREUS				
BETULA OCCIDENTALIS				
BETULA OCCIDENTALIS/CORNUS STOLONIFERA				present at East Fork Salmon River Bench RNA.
CORNUS STOLONIFERA/GALIUM TRIFLORUM				
GLOSSOPETALON NEVADENSE/AGROPYRON SPICATUM				
POTENTILLA FRUTICOSA/DESCHAMPSIA CESPITOSA				
SALIX BOOTHII/CALAMAGROSTIS CANADENSIS				
SALIX BOOTHII/CAREX AQUATILIS				
SALIX BOOTHII/CAREX UTRICULATA	1	1.5		PE.
SALIX BOOTHII/EQUISETUM ARVENSE				
SALIX COMMUTATA/CAREX SCOPULORUM				
SALIX DRUMMONDIANA/CALAMAGROSTIS CANADENSIS				
SALIX DRUMMONDIANA/CAREX UTRICULATA				
SALIX EASTWOODIAE/CAREX AQUATILIS				
SALIX EASTWOODIAE/CAREX UTRICULATA				
SALIX GEYERIANA/CAREX AQUATILIS				
SALIX GEYERIANA/CAREX UTRICULATA				
SALIX GEYERIANA/MESIC FORB				
SALIX PLANIFOLIA VAR. MONICA/CAREX AQUATILIS-CAREX UTRICULATA				
SALIX PLANIFOLIA VAR. MONICA/CAREX SCOPULORUM				
SALIX WOLFII/CAREX AQUATILIS				
SALIX WOLFII/CAREX UTRICULATA	1	1.5		PE.
SALIX WOLFII/SWERTIA PERENNIS-PEDICULARIS GROENLANDICA				
<u>MIXED EVERGREEN-DECIDUOUS SHRUBLAND</u>				
ATRIPLEX CONFERTIFOLIA/AGROPYRON SPICATUM				not expected on NFS in this section.
ATRIPLEX CONFERTIFOLIA/ELYMUS AMBIGUUS VAR. SALMONIS				present at Germer Basin RNA; not expected on NFS in this section.
<u>EVERGREEN SPARSE SHRUBLAND</u>				
ARTEMISIA TRIDENTATA SSP. VASEYANA/FESTUCA IDAHOENSIS	6	596		BE, BG, IB, PE, SI, SU; Lake Creek RNA/ACEC; Hemingway Preserve.
ARTEMISIA TRIDENTATA SSP. VASEYANA/STIPA COMATA				
ARTEMISIA TRIDENTATA SSP. WYOMINGENSIS/AGROPYRON SPICATUM				present at East Fork Salmon River Bench, Germer Basin and Grassland Kipuka

Table 2f. CHALLIS VOLCANICS, Section M332F (continued)

ARTEMISIA TRIPARTITA/AGROPYRON SPICATUM				RNAs.
ARTEMISIA TRIPARTITA/FESTUCA IDAHOENSIS				present at Germer Basin RNA.
CAREX STENOPHYLLA-POA SECUNDA				
PURSHIA TRIDENTATA/AGROPYRON SPICATUM				
PURSHIA TRIDENTATA/FESTUCA IDAHOENSIS				
<u>DECIDUOUS SPARSE SHRUBLAND</u>				
POTENTILLA FRUTICOSA/DANTHONIA INTERMEDIA	1	1.5	PE.	
POTENTILLA FRUTICOSA/FESTUCA IDAHOENSIS				
<u>EVERGREEN DWARF-SHRUBLAND</u>				
PHYLLODOCE EMPETRIFORMIS-LEDUM GLANDULOSUM				
CASSIOPE MERTENSIANA-SIBBALDIA PROCUMBENS				
<u>EVERGREEN SPARSE DWARF-SHRUBLAND</u>				
ARTEMISIA ARBUSCULA VAR. ARBUSCULA/AGROPYRON SPICATUM				present at Lake Creek RNA/ACEC.
ARTEMISIA ARBUSCULA VAR. ARBUSCULA/FESTUCA IDAHOENSIS				present at Lake Creek RNA/ACEC.
ARTEMISIA ARBUSCULA VAR. THERMOPOLA/FESTUCA IDAHOENSIS				
ARTEMISIA NOVA/AGROPYRON SPICATUM				present at Germer Basin RNA and Pecks Canyon RNA/ACEC.
ARTEMISIA NOVA/FESTUCA IDAHOENSIS	1	25	IB;	Lake Creek RNA/ACEC.
ARTEMISIA NOVA/ORYZOPSIS HYMENOIDES				
<u>DECIDUOUS SPARSE DWARF-SHRUBLAND</u>				
HAPLOPAPPUS SUFFRUTICOSUS/FESTUCA IDAHOENSIS				
HAPLOPAPPUS SUFFRUTICOSUS/SITANION HYSTRIX				
SALIX NIVALIS				
<u>TALL GRASSLAND</u>				
ELYMUS CINEREUS				
<u>MEDIUM TALL GRASSLAND</u>				
AGROPYRON SPICATUM/MELICA BULBOSA				
AGROPYRON SPICATUM/POA SECUNDA/BALSAMORHIZA SAGITTATA				
AGROSTIS EXARATA-AGROSTIS SCABRA				
CALAMAGROSTIS CANADENSIS				
CAREX UTRICULATA	1	1.5	PE.	
DESCHAMPSIA CESPITOSA	1	50	SI.	
DESCHAMPSIA CESPITOSA/DANTHONIA INTERMEDIA/CALAMAGROSTIS CANADENSIS				
ELYMUS AMBIGUUS VAR. SALMONIS-ENCELIOPSIS NUDICAULIS				present at Germer Basin RNA.
ELYMUS AMBIGUUS VAR. SALMONIS-LUPINUS ARGENTEUS				present at Germer Basin RNA.
FESTUCA IDAHOENSIS-AGROPYRON SPICATUM				
FESTUCA IDAHOENSIS-ERIOGONUM CAESPITOSUM				
FESTUCA IDAHOENSIS-POTENTILLA DIVERSIFOLIA				
<u>SHORT GRASSLAND</u>				
AGROPYRON SCRIBNERI	1	50	SI.	
CALAMAGROSTIS PURPURESCENS				
CAREX ALBONIGRA	1	116	SI.	
CAREX AQUATILIS				
CAREX BUXBAUMII COMMUNITY TYPE				
CAREX ELYNOIDES-LUPINUS ARGENTEUS				
CAREX ELYNOIDES-OXYTROPIS SERICEA	1	116	SI.	
CAREX NEBRASKENSIS				
CAREX NIGRICANS				
CAREX NIGRICANS-AGROSTIS HUMILIS				
CAREX PAYSONIS				
CAREX RUPESTRIS VAR. DRUMMONDIANA	1	116	SI.	
CAREX SCIRPOIDEA VAR. PSEUDOSCIROIDEA				
CAREX SCIRPOIDEA/GEUM ROSSII				
CAREX SCIRPOIDEA/POTENTILLA DIVERSIFOLIA				
CAREX SCOPULORUM				

Table 2f. CHALLIS VOLCANICS, Section M332F (continued)

CAREX SIMULATA			
DESCHAMPSIA CESPITOSA-CALTHA LEPTOSEPALA			
DESCHAMPSIA CESPITOSA-POTENTILLA DIVERSIFOLIA			
DRYAS OCTOPETALA			
ELEOCHARIS PALUSTRIS (WETLAND/RIPARIAN)			
ELEOCHARIS PAUCIFLORUS			
FESTUCA IDAHOENSIS (ALPINE)	1	50	SI.
FESTUCA IDAHOENSIS-DESCHAMPSIA CESPITOSA			
FESTUCA IDAHOENSIS-LEUCOPOA KINGII			
FESTUCA OVINA			
IVESIA GORDONII-ARENARIA OBTUSILOBA	1	142	SI.
IVESIA GORDONII-ERIOGONUM CAESPITOSUM	1	142	SI.
JUNCUS BALTICUS			
JUNCUS DRUMMONDII-CAREX SPP.			
JUNCUS PARRYI			
LEUCOPOA KINGII			
LEUCOPOA KINGII-CAREX ELYNOIDES			
LEUCOPOA KINGII-PHLOX PULVINATA			
LEUCOPOA KINGII-POA CUSICKII			
LEUCOPOA KINGII/OXYTROPIS CAMPESTRIS			
POA EPILIS	1	50	SI.
POTENTILLA OVINA-AGROPYRON SCRIBNERI			
SCIRPUS CESPITOSUS-CAREX LIVIDA	1	25	SV.
SCIRPUS OLNEYI			
<u>LOW FORB VEGETATION</u>			
GEUM ROSSII			
PHLOX PULVINATA-POA EPILIS	1	142	SI.
POTENTILLA BREVI-FOLIA			
POTENTILLA DIVERSIFOLIA-ARENARIA OBTUSILOBA	1	142	SI.
SAXIFRAGA OPPOSITIFOLIA			
TANACETUM NUTTALLII-ARTEMISIA FRIGIDA-POA SECUNDA			
TANACETUM NUTTALLII-ORYZOPSIS SWALLENII			

Table 2g. BLUE MOUNTAINS, Section M332G

	EO Count	Sum Area	Comments
<u>EVERGREEN FOREST</u>			
ABIES GRANDIS/ACER GLABRUM	2	40	CD, PO.
ABIES GRANDIS/ASARUM CAUDATUM			
ABIES GRANDIS/CLINTONIA UNIFLORA	1	350	PO.
ABIES GRANDIS/LINNAEA BOREALIS			Elk Flats-Wenaha RNA, OR.
ABIES GRANDIS/SENECIO TRIANGULARIS			
ABIES GRANDIS/SPIRAEA BETULIFOLIA	2	130	PO, BA; Elk Flats- Wenaha RNA, OR.
ABIES GRANDIS/TAXUS BREVIFOLIA/ASARUM CAUDATUM			
ABIES GRANDIS/VACCINIUM CAESPITOSUM			
ABIES GRANDIS/VACCINIUM GLOBULARE	3	70	BA, LG, PO.
ABIES LASIOCARPA/ACER GLABRUM	1	150	CD.
ABIES LASIOCARPA/ALNUS SINUATA	1		
ABIES LASIOCARPA/CALAMAGROSTIS RUBESCENS			
ABIES LASIOCARPA/CLINTONIA UNIFLORA			
ABIES LASIOCARPA/LUZULA HITCHCOCKII	2	130	LG, PO.
ABIES LASIOCARPA/MENZIESIA FERRUGINEA	1		LG.
ABIES LASIOCARPA/RIBES MONTIGENUM	1		CU.
ABIES LASIOCARPA/STREPTOPUS AMPLEXIFOLIUS			
ABIES LASIOCARPA/VACCINIUM CAESPITOSUM			
ABIES LASIOCARPA/VACCINIUM GLOBULARE	2	150	LG, PO.
ABIES LASIOCARPA/VACCINIUM SCOPARIUM	2	20	LG, PO; Razz Lake RNA, OR.
ABIES LASIOCARPA/XEROPHYLLUM TENAX	1	20	PO.
PINUS PONDEROSA/CALAMAGROSTIS RUBESCENS	1		LG; Dugout Creek pRNA, OR.
PINUS PONDEROSA/PHYSOCARPUS MALVACEUS			present at Garden Creek Preserve.
PINUS PONDEROSA/SYMPHORICARPOS ALBUS	1	5	RC.
PINUS PONDEROSA/SYMPHORICARPOS OREOPHILUS			
PSEUDOTSUGA MENZIESII/ACER GLABRUM	1	233	CD.
PSEUDOTSUGA MENZIESII/CALAMAGROSTIS RUBESCENS	4	164	EM, LG, LS, PO; Canyon Creek, Ochoco Divide, and Stinger Creek RNAs, OR.
PSEUDOTSUGA MENZIESII/CAREX GEYERI			Government Draw RNA, OR.
PSEUDOTSUGA MENZIESII/OSMORHIZA CHILENSIS			
PSEUDOTSUGA MENZIESII/PHYSOCARPUS MALVACEUS	6	544	CD, EM, LG, LS, PO, RC; Pleasant Valley RNA, OR.
PSEUDOTSUGA MENZIESII/SPIRAEA BETULIFOLIA	1	60	EM.
PSEUDOTSUGA MENZIESII/SYMPHORICARPOS ALBUS	2	90	EM, RC.
PSEUDOTSUGA MENZIESII/SYMPHORICARPOS OREOPHILUS	2	253	CD, PO.
<u>DECIDUOUS FOREST</u>			
ALNUS RHOMBIFOLIA/AMELANCHIER ALNIFOLIA			
ALNUS RHOMBIFOLIA/BETULA OCCIDENTALIS			present at Craig Mountain ACEC.
ALNUS RHOMBIFOLIA/CELTIS RETICULATA			
ALNUS RHOMBIFOLIA/PHILADELPHUS LEWISII			
ALNUS RHOMBIFOLIA/RHUS GLABRA			
ALNUS RHOMBIFOLIA/ROSA WOODSII			
ALNUS RHOMBIFOLIA/SAMBUCUS CERULEA			
ALNUS RUBRA/ADIANTUM PEDATUM			
POPULUS TREMULOIDES/CRATAEGUS DOUGLASII-HERACLEUM LANATUM			
POPULUS TREMULOIDES/CRATAEGUS DOUGLASII-SYMPHORICARPOS ALBUS			
POPULUS TRICHOCARPA/ALNUS INCANA			
POPULUS TRICHOCARPA/CICUTA DOUGLASII			
POPULUS TRICHOCARPA/CORNUS STOLONIFERA			
POPULUS TRICHOCARPA/CRATAEGUS DOUGLASII			
POPULUS TRICHOCARPA/FESTUCA IDAHOENSIS			
POPULUS TRICHOCARPA/RHAMNUS ALNIFOLIA			
POPULUS TRICHOCARPA/SYMPHORICARPOS ALBUS			
<u>EVERGREEN WOODLAND</u>			
ABIES GRANDIS/CALAMAGROSTIS RUBESCENS			

Table 2g. BLUE MOUNTAINS, Section M332G (continued)

JUNIPERUS OCCIDENTALIS/ARTEMISIA TRIDENTATA SSP. VASEYANA PINUS ALBICAULIS-ABIES LASIOCARPA	2	40	LG, PO; Vinegar Hill RNA, OR.
PINUS PONDEROSA/AGROPYRON SPICATUM	1		LG.
PINUS PONDEROSA/FESTUCA IDAHOENSIS	1		LG.
PINUS PONDEROSA/PURSHIA TRIDENTATA PSEUDOTSUGA MENZIESII/AGROPYRON SPICATUM PSEUDOTSUGA MENZIESII/FESTUCA IDAHOENSIS			
<u>EVERGREEN SPARSE WOODLAND</u>			
JUNIPERUS OCCIDENTALIS/AGROPYRON SPICATUM JUNIPERUS OCCIDENTALIS/ARTEMISIA ARBUSCULA/FESTUCA IDAHOENSIS .			Shaketable Mountain, Canyon Creek RNAs, OR.
JUNIPERUS OCCIDENTALIS/FESTUCA IDAHOENSIS			
<u>EVERGREEN SHRUBLAND</u>			
ARTEMISIA TRIDENTATA SSP. TRIDENTATA/STIPA COMATA ARTEMISIA TRIDENTATA SSP. VASEYANA/AGROPYRON SPICATUM	2	35	CD, LG.
ARTEMISIA TRIDENTATA SSP. VASEYANA/ELYMUS CINEREUS ARTEMISIA TRIDENTATA SSP. WYOMINGENSIS/FESTUCA IDAHOENSIS ARTEMISIA TRIDENTATA SSP. WYOMINGENSIS/POA SECUNDA ARTEMISIA TRIDENTATA SSP. WYOMINGENSIS/SITANION HYSTRIX ARTEMISIA TRIDENTATA SSP. XERICENSIS/AGROPYRON SPICATUM ARTEMISIA TRIDENTATA SSP. XERICENSIS/FESTUCA IDAHOENSIS CERCOCARPUS LEDIFOLIUS/AGROPYRON SPICATUM	3	195	EM, LG, RC; Lucile Caves RNA/ACEC; Pleasant Valley and Dry Mountain RNAs, OR.
CERCOCARPUS LEDIFOLIUS/ARTEMISIA TRIDENTATA SSP. VASEYANA CERCOCARPUS LEDIFOLIUS/ARTEMISIA TRIDENTATA/FESTUCA IDAHOENSIS CERCOCARPUS LEDIFOLIUS/CALAMAGROSTIS RUBESCENS CERCOCARPUS LEDIFOLIUS/ELYMUS CINEREUS CERCOCARPUS LEDIFOLIUS/FESTUCA IDAHOENSIS	1	75	RC.
CERCOCARPUS LEDIFOLIUS/SYMPHORICARPOS ALBUS/FESTUCA IDAHOENSIS CERCOCARPUS LEDIFOLIUS/SYMPHORICARPOS OREOPHILUS PURSHIA TRIDENTATA/ORYZOPSIS HYMENOIDES			
<u>DECIDUOUS SHRUBLAND</u>			
ALNUS INCANA-BETULA OCCIDENTALIS/SALIX EXIGUA ALNUS INCANA/CAREX UTRICULATA ALNUS INCANA/EQUISETUM SPP. ALNUS INCANA/MESIC FORB ALNUS INCANA/SPIRAEA DOUGLASSII ALNUS SINUATA	2	160	BA, PO.
ALNUS SINUATA/ATHYRIUM FILIX-FEMINA ALNUS SINUATA/MESIC FORB ALNUS SINUATA/MONTIA CORDIFOLIA BETULA OCCIDENTALIS/CELTIS RETICULATA BETULA OCCIDENTALIS/CRATAEGUS DOUGLASII			present at Craig Mountain ACEC.
CELTIS RETICULATA/AGROPYRON SPICATUM CRATAEGUS DOUGLASII/MONTIA PERFOLIATA CRATAEGUS DOUGLASII/HERACLEUM LANATUM CRATAEGUS DOUGLASII/ROSA WOODSII CRATAEGUS DOUGLASII/SYMPHORICARPOS ALBUS	1	5	RC.
GLOSSOPETALON NEVADENSE/AGROPYRON SPICATUM	2	40	EM, LS.
PHYSOCARPUS MALVACEUS/SYMPHORICARPOS ALBUS			present at Garden Creek Preserve.
RHUS GLABRA/AGROPYRON SPICATUM			present at Garden Creek Preserve.
SARCOBATUS VERMICULATUS/DISTICHLIS SPICATA VAR. STRICTA			Bobs Creek RNA, OR.
SARCOBATUS VERMICULATUS/ELYMUS CINEREUS SYMPHORICARPOS ALBUS-ROSA SP.			present at Craig Mountain WMA.
<u>MIXED EVERGREEN-DECIDUOUS SHRUBLAND</u>			

Table 2g. BLUE MOUNTAINS, Section M332G (continued)

EUROTIA LANATA/POA SECUNDA

EVERGREEN SPARSE SHRUBLAND

ARTEMISIA TRIDENTATA SSP. SPICIFORMIS/CAREX GEYERI			
ARTEMISIA TRIDENTATA SSP. VASEYANA/FESTUCA IDAHOENSIS	4	289	CU, LG, PO, RC; Shaketable Mountain and Vinegar Hill RNAs, OR.
ARTEMISIA TRIDENTATA SSP. VASEYANA/STIPA COMATA			
ARTEMISIA TRIDENTATA SSP. WYOMINGENSIS/AGROPYRON SPICATUM			
ARTEMISIA TRIPARTITA/AGROPYRON SPICATUM			
ARTEMISIA TRIPARTITA/FESTUCA IDAHOENSIS			
ARTEMISIA TRIPARTITA/STIPA COMATA			
ERIOGONUM SPP.-PHYSARIA OREGANA			present at Craig Mountain ACEC.
PURSHIA TRIDENTATA/AGROPYRON SPICATUM			present at Buckwheat Flats, Summer Creek and Goodrich Creek RNAs; Shaketable Mountain RNA, OR.
PURSHIA TRIDENTATA/FESTUCA IDAHOENSIS	1	3	RC.

DECIDUOUS SPARSE SHRUBLAND

FESTUCA IDAHOENSIS-SYMPHORICARPOS ALBUS	1	10	LS; Garden Creek Preserve.
CHRYSOPSIS VILLOSA			
CHRYSOPSIS VILLOSA/SPOROBOLUS CRYPTANDRUS			

EVERGREEN DWARF-SHRUBLAND

PHYLLODOCE GLANDULIFLORA-SALIX ARCTICA
ERIOGONUM SPHAEROCEPHALUM-POA SECUNDA
ERIOGONUM THYMOIDES-POA SECUNDA

EVERGREEN SPARSE DWARF-SHRUBLAND

ARTEMISIA ARBUSCULA VAR. ARBUSCULA/AGROPYRON SPICATUM			
ARTEMISIA ARBUSCULA VAR. ARBUSCULA/FESTUCA IDAHOENSIS			Shaketable Mtn. RNA, OR.
ARTEMISIA ARBUSCULA VAR. ARBUSCULA/POA SECUNDA			
ARTEMISIA RIGIDA/POA SECUNDA	4	193	EM, RC; Kelly Creek Butte and Government Draw RNAs, OR.

TALL GRASSLAND

ELYMUS CINEREUS

MEDIUM TALL GRASSLAND

AGROPYRON SPICATUM-ERIOGONUM HERACLEOIDES			present at Craig Mountain ACEC.
AGROPYRON SPICATUM-FESTUCA IDAHOENSIS (PALOUSE)			
AGROPYRON SPICATUM-OPUNTIA POLYACANTHA			
AGROPYRON SPICATUM-POA SECUNDA (PALOUSE)			
AGROPYRON SPICATUM-POA SECUNDA, LITHOSOL			present at Craig Mountain WMA.
AGROPYRON SPICATUM/POA SECUNDA/BALSAMORHIZA SAGITTATA	4	494	CD, EM, LS, RC.
ARISTIDA LONGISETA/POA SECUNDA			
CAREX HOODII-FESTUCA IDAHOENSIS			
DESCHAMPSIA CESPITOSA			
DESCHAMPSIA CESPITOSA/DANTHONIA INTERMEDIA/CALAMAGROSTIS CANADENSIS			
FESTUCA IDAHOENSIS-AGROPYRON SPICATUM	4	120	EM, LG, LS, RC; Garden Creek Preserve and Craig Mountain WMA.
FESTUCA IDAHOENSIS-ERIOGONUM CAESPITOSUM			
FESTUCA IDAHOENSIS-KOELERIA CRISTATA	3	32	EM, LG, LS; Garden Creek Preserve.
FESTUCA IDAHOENSIS-ROSA NUTKANA			
SPOROBOLUS CRYPTANDRA			present at Garden Creek Preserve
SPOROBOLUS CRYPTANDRA-POA SECUNDA			

SHORT GRASSLAND

CAREX LASIOCARPA
CAREX NIGRICANS
CAREX SCOPULORUM

Table 2g. BLUE MOUNTAINS, Section M332G (continued)

DESCHAMPSIA CESPITOSA-CALTHA LEPTOSEPALA
DESCHAMPSIA CESPITOSA-POTENTILLA DIVERSIFOLIA
DISTICHLIS SPICATA VAR STRICTA-SCIRPUS NEVADENSIS
ERIOGONUM DOUGLASII-POA SECUNDA
ERIOGONUM STRICTUM/POA SECUNDA
FESTUCA IDAHOENSIS (ALPINE) Baldy Mountain RNA, OR.
FESTUCA OVINA
JUNCUS DRUMMONDII-CAREX SPP.
JUNCUS PARRYI

LOW FORB VEGETATION

ARTEMISIA LUDOVICIANA
CAMASSIA QUAMASH
POTENTILLA DIVERSIFOLIA-ARENARIA OBTUSILOBA
SAXIFRAGA OPPOSITIFOLIA

Table 2h. OKANOGAN HIGHLANDS, Section M333A

	EO Count	Sum Area	Comments
<u>EVERGREEN FOREST</u>			
ABIES GRANDIS/ASARUM CAUDATUM	1	40	BB
ABIES GRANDIS/CLINTONIA UNIFLORA	5	100	BB, BO, KM, TR; Maitlen Creek RNA; Ragged Ridge NAP, WA.
ABIES GRANDIS/LINNAEA BOREALIS			
ABIES GRANDIS/PHYSOCARPUS MALVACEUS			partial rep. at Ragged Ridge NAP, WA.
ABIES GRANDIS/TAXUS BREVIFOLIA/ASARUM CAUDATUM			
ABIES LASIOCARPA/CALAMAGROSTIS CANADENSIS	3	249	SC.
ABIES LASIOCARPA/CALAMAGROSTIS CANADENSIS, LEDUM GLANDULOSUM PHASE			
ABIES LASIOCARPA/CLINTONIA UNIFLORA	3	288	CA, SC.
ABIES LASIOCARPA/LUZULA HITCHCOCKII	1	75	ST.
ABIES LASIOCARPA/MENZIESIA FERRUGINEA	1	300	CA.
ABIES LASIOCARPA/OPLOPANAX HORRIDUM			
ABIES LASIOCARPA/RHODODENDRON ALBIFLORUM	2	534	SC, ST; Salmo RNA, WA.
ABIES LASIOCARPA/STREPTOPUS AMPLEXIFOLIUS	2	269	CA, SC.
ABIES LASIOCARPA/VACCINIUM SCOPARIUM			partial rep. at Salmo RNA; N. Fork O'Brien Creek pRNA, WA.
ABIES LASIOCARPA/XEROPHYLLUM TENAX	3	225	CA, ST; Roundtop Mountain pRNA, WA.
PICEA ENGELMANNII/EQUISETUM ARVENSE			
PINUS PONDEROSA/FESTUCA SCABRELLA			
PINUS PONDEROSA/PHYSOCARPUS MALVACEUS			
PINUS PONDEROSA/SYMPHORICARPOS ALBUS			
PSEUDOTSUGA MENZIESII/CALAMAGROSTIS RUBESCENS			partial rep. at Maitlen Creek RNA; N. Fork O'Brien Creek, Thirteen Mile Ponds, Fire Mountain, and Maple Mountain pRNAs, WA.
PSEUDOTSUGA MENZIESII/PHYSOCARPUS MALVACEUS	5	175	BB, BO, KM, TE, TR; Maitlan Creek, Baird Basin RNAs; Maple Mountain pRNA, WA.
PSEUDOTSUGA MENZIESII/VACCINIUM CAESPITOSUM			
PSEUDOTSUGA MENZIESII/VACCINIUM GLOBULARE	1	3	TR.
THUJA PLICATA-TSUGA HETEROPHYLLA/LYSICHTUM AMERICANUM	2	50	PT, UP.
THUJA PLICATA/ASARUM CAUDATUM	1	10	BB.
THUJA PLICATA/ATHYRIUM FILIX-FEMINA	7	68	BB, CA, PT, TE, TR, UP.
THUJA PLICATA/CLINTONIA UNIFLORA	1	5	BB; partial rep. at Maitlen Creek and Salmo RNAs, WA.
THUJA PLICATA/OPLOPANAX HORRIDUM	5	30	BB, CA, PT, TE, UP; Salmo RNA, WA.
TSUGA HETEROPHYLLA/ASARUM CAUDATUM	6	306	BB, CA, PT, TR.
TSUGA HETEROPHYLLA/CLINTONIA UNIFLORA	10	757	BB, BO, CA, KM, PT, TE, TR, UP; partial rep. at Maitlen Creek and Salmo RNAs, WA.
TSUGA HETEROPHYLLA/GYMNOCARPIUM DRYOPTERIS	2	40	CA, UP.
TSUGA HETEROPHYLLA/MENZIESIA FERRUGINEA	1	30	CA; Salmo RNA, WA.
TSUGA MERTENSIANA/LUZULA HITCHCOCKII			
<u>DECIDUOUS FOREST</u>			
POPULUS TRICHOCARPA/CORNUS STOLONIFERA			
POPULUS TRICHOCARPA/ROSA WOODSII			
POPULUS TRICHOCARPA/SYMPHORICARPOS ALBUS			
<u>MIXED EVERGREEN-DECIDUOUS FOREST</u>			
LARIX LYALLII-ABIES LASIOCARPA			
<u>EVERGREEN WOODLAND</u>			
PINUS ALBICAULIS-ABIES LASIOCARPA	2	22	CA, ST.
<u>DECIDUOUS SHRUBLAND</u>			

Table 2h. OKANOGAN HIGHLANDS, Section M333A (continued)

ALNUS INCANA/ATHYRIUM FELIX-FEMINA	1	5	TR.
ALNUS INCANA/CAREX UTRICULATA	2	25	KM, PT.
ALNUS INCANA/EQUISETUM SPP.			
ALNUS INCANA/LYSICHITUM AMERICANUM	2	15	PT, UP.
ALNUS INCANA/SPIRAEA DOUGLASSII			
ALNUS SINUATA/ATHYRIUM FILIX-FEMINA			
ALNUS SINUATA/MESIC FORB			
ALNUS SINUATA/MONTIA CORDIFOLIA			
BETULA GLANDULOSA/CAREX LASIOCARPA			
BETULA GLANDULOSA/CAREX UTRICULATA	1	67	KM.
CORNUS STOLONIFERA	1		UP.
CORNUS STOLONIFERA/GALIIUM TRIFLORUM			
RHAMNUS ALNIFOLIA			
SPIRAEA DOUGLASSII	1		UP; McArthur Lake WMA.
SYMPHORICARPOS ALBUS-ROSA SP.			
<u>EVERGREEN DWARF-SHRUBLAND</u>			
CASSIOPE MERTENSIANA-PHYLLODOCE EMPETRIFORMIS			
<u>TALL GRASSLAND</u>			
PHALARIS ARUNDINACEA			present at McArthur Lake WMA.
<u>MEDIUM TALL GRASSLAND</u>			
CALAMAGROSTIS CANADENSIS			
CAREX UTRICULATA	1		UP; McArthur Lake WMA.
DESCHAMPSIA CESPITOSA/DANTHONIA INTERMEDIA/CALAMAGROSTIS CANADENSIS			
FESTUCA IDAHOENSIS-AGROPYRON SPICATUM			not expected on NFS in this section.
FESTUCA SCABRELLA-FESTUCA IDAHOENSIS			not expected on NFS in this section.
FESTUCA VIRIDULA	2	137	CA, ST; Roundtop Mountain pRNA, WA.
GLYCERIA BOREALIS			
<u>SHORT GRASSLAND</u>			
CAREX AQUATILIS			
CAREX BUXBAUMII COMMUNITY TYPE			
CAREX CUSICKII	1	1	KM.
CAREX LANUGINOSA			
CAREX LASIOCARPA	3	34	BO, KM, TR; McArthur Lake WMA.
CAREX LIMOSA			
CAREX LIVIDA			
CAREX NIGRICANS			
CAREX SCIRPOIDEA VAR. PSEUDOSCIROIDEA			
CAREX SCOPULORUM	1	27	SC.
DULICHIMUM ARUNDINACEUM			
ERIOPHORUM POLYSTACHION	1	27	SC.
JUNCUS BALTICUS			
SCIRPUS ACUTUS			
<u>LOW FORB VEGETATION</u>			
EQUISETUM FLUVIATILE			
<u>HYDROMORPHIC ROOTED VEGETATION</u>			
NUPHAR POLYSEPALUM			present at McArthur Lake WMA.
TYPHA LATIFOLIA			present at McArthur Lake WMA.

Table 2i. FLATHEAD VALLEY, Section M333B

EVERGREEN FOREST

	EO Count	Sum Area	Comments
ABIES GRANDIS/CLINTONIA UNIFLORA			present at Idler's Rest Preserve; Lower Ross Creek pRNA, MT.
ABIES GRANDIS/LINNAEA BOREALIS			present at Lebeau pRNA, MT.
ABIES GRANDIS/PHYSOCARPUS MALVACEUS			
ABIES GRANDIS/SENECIO TRIANGULARIS			
ABIES LASIOCARPA/CALAMAGROSTIS CANADENSIS			present at Lebeau pRNA and Pete Creek Meadows RNA, MT.
ABIES LASIOCARPA/CALAMAGROSTIS CANADENSIS, LEDUM GLANDULOSUM PHASE			
ABIES LASIOCARPA/CLINTONIA UNIFLORA	1	406	HG; Lebeau pRNA, Norman-Parmenter pRNA, Wolf-Weigel RNA and Pete Creek Meadows RNA, MT.
ABIES LASIOCARPA/LUZULA HITCHCOCKII	2	1	HG, SN.
ABIES LASIOCARPA/MENZIESIA FERRUGINEA	3	704	HG, SN; Lebeau pRNA and Lower RossCreek pRNA, MT.
ABIES LASIOCARPA/OPLOPANAX HORRIDUM	1	406	HG.
ABIES LASIOCARPA/STREPTOPUS AMPLEXIFOLIUS	1		HG.
ABIES LASIOCARPA/VACCINIUM SCOPARIUM			
ABIES LASIOCARPA/XEROPHYLLUM TENAX	3	290	HG, SN; Norman-Parmenter pRNA, MT.
PICEA GLAUCA/EQUISETUM ARVENSE			
PINUS PONDEROSA/SYMPHORICARPOS ALBUS			present at Idler's Rest Preserve
PSEUDOTSUGA MENZIESII/CALAMAGROSTIS RUBESCENS			present at Big Creek RNA, Labeau pRNA, Norman-Parmenter pRNA Wolf-Weigel RNA and Little Bitterroot RNA, MT.
PSEUDOTSUGA MENZIESII/PHYSOCARPUS MALVACEUS			present at Idler's Rest Preserve; Labeau pRNA, Norman-Parmenter pRNA, Wolf-Weigel RNA and Lower Ross Creek pRNA, MT.
PSEUDOTSUGA MENZIESII/VACCINIUM CAESPITOSUM			present at Big Creek RNA, MT.
THUJA PLICATA/ASARUM CAUDATUM			present at Idler's Rest Preserve.
THUJA PLICATA/ATHYRIUM FILIX-FEMINA	1	45	HG; Morris Creek Old Growth Cedar and Hobo Cedar Grove SIAs.
THUJA PLICATA/CLINTONIA UNIFLORA			present at Settler's Grove of Ancient Cedars and Hobo Cedar Grove SIAs; Berray Mountain Cedars SIA, Big Creek RNA, Hoskins Lake RNA, Labeau pRNA, Norman-Parmenter pRNA and Lower Ross Creek pRNA, MT.
THUJA PLICATA/OPLOPANAX HORRIDUM	1	45	HG; Settler's Grove of Ancient Cedars SIA; Berray Mountain Cedars SIA, Labeau pRNA and Norman-Parmenter pRNA, MT.
TSUGA HETEROPHYLLA/ASARUM CAUDATUM			
TSUGA HETEROPHYLLA/CLINTONIA UNIFLORA	1	45	HG; Settler's Grove of Ancient Cedars SIA; Berray Mountain Cedars SIA, Labeau pRNA, Lower Ross Creek pRNA and Norman-Parmenter pRNA, MT.
TSUGA HETEROPHYLLA/GYMNOCARPIUM DRYOPTERIS	1	45	HG; Morris Creek Old Growth Cedar SIA; Berray Mountain Cedars SIA, MT.
TSUGA HETEROPHYLLA/MENZIESIA FERRUGINEA			
TSUGA MERTENSIANA/LUZULA HITCHCOCKII			
<u>DECIDUOUS FOREST</u>			
POPULUS TRICHOCARPA/CORNUS STOLONIFERA			present at Norman-Parmenter pRNA, MT.
POPULUS TRICHOCARPA/ROSA WOODSII			
POPULUS TRICHOCARPA/SYMPHORICARPOS ALBUS			

Table 2i. FLATHEAD VALLEY, Section M333B (continued)

MIXED EVERGREEN-DECIDUOUS FOREST

LARIX LYALLII-ABIES LASIOCARPA

EVERGREEN WOODLAND

PINUS ALBICAULIS-ABIES LASIOCARPA

DECIDUOUS SHRUBLAND

ALNUS INCANA/ATHYRIUM FELIX-FEMINA

ALNUS INCANA/CAREX UTRICULATA

ALNUS INCANA/EQUISETUM SPP.

ALNUS INCANA/LYSICHITUM AMERICANUM

ALNUS INCANA/SPIRAEA DOUGLASSII

ALNUS SINUATA/ATHYRIUM FILIX-FEMINA

ALNUS SINUATA/MESIC FORB

ALNUS SINUATA/MONTIA CORDIFOLIA

BETULA GLANDULOSA/CAREX UTRICULATA

present at Labeau pRNA, MT.

CORNUS STOLONIFERA

present at Little Bitterroot RNA, MT.

POTENTILLA FRUTICOSA/DESCHAMPSIA CESPITOSA

SALIX CANDIDA/CAREX UTRICULATA

SALIX DRUMMONDIANA

present at Wolf-Weigel RNA, MT.

SALIX GEYERIANA/CALAMAGROSTIS CANADENSIS

SALIX GEYERIANA/CAREX AQUATILIS

SALIX PLANIFOLIA VAR. MONICA/CAREX SCOPULORUM

SALIX WOLFII/DESCHAMPSIA CESPITOSA

SPIRAEA DOUGLASSII

EVERGREEN DWARF-SHRUBLAND

KALMIA MICROPHYLLA/CAREX SCOPULORUM

CASSIOPE MERTENSIANA-SIBBALDIA PROCUMBENS

TALL GRASSLAND

PHALARIS ARUNDINACEA

MEDIUM TALL GRASSLAND

CALAMAGROSTIS CANADENSIS

present at Pete Creek Meadows RNA, MT.

CAREX UTRICULATA

present at Pete Creek Meadows RNA, MT.

DESCHAMPSIA CESPITOSA

FESTUCA VIRIDULA

GLYCERIA BOREALIS

SHORT GRASSLAND

CAREX APERTA

CAREX AQUATILIS

CAREX BUXBAUMII COMMUNITY TYPE

CAREX LASIOCARPA

present at Hoskins Lake RNA, Pete Creek Meadows RNA, MT.

CAREX LIMOSA

CAREX NEBRASKENSIS

CAREX NIGRICANS

CAREX SCOPULORUM

CAREX SIMULATA

DULICHIMUM ARUNDINACEUM

ELEOCHARIS PALUSTRIS (WETLAND/RIPARIAN)

ELEOCHARIS PAUCIFLORUS

JUNCUS BALTICUS

SCIRPUS ACUTUS

SCIRPUS VALIDUS

LOW FORB VEGETATION

EQUISETUM FLUVIATILE

HYDROMORPHIC ROOTED VEGETATION

Table 2i. FLATHEAD VALLEY, Section M333B (continued)

NUPHAR POLYSEPALUM
TYPHA LATIFOLIA

Table 2j. BITTERROOT MOUNTAINS, Section M333D

	EO Count	Sum Area	Comments
<u>EVERGREEN FOREST</u>			
ABIES GRANDIS/ASARUM CAUDATUM	2	306	AQ, BU.
ABIES GRANDIS/CLINTONIA UNIFLORA	7	756	AQ, BU, CF, SK, UF, US.
ABIES GRANDIS/LINNAEA BOREALIS	1	10	CF.
ABIES GRANDIS/PHYSOCARPUS MALVACEUS	3	346	AQ, BU, CF.
ABIES GRANDIS/SENECIO TRIANGULARIS			
ABIES GRANDIS/SPIRAEA BETULIFOLIA	1	106	AQ.
ABIES GRANDIS/TAXUS BREVIFOLIA/ASARUM CAUDATUM			
ABIES GRANDIS/XEROPHYLLUM TENAX			present at Barktable Ridge pRNA, MT.
ABIES LASIOCARPA/CALAMAGROSTIS CANADENSIS			
ABIES LASIOCARPA/CALAMAGROSTIS CANADENSIS, LEDUM GLANDULOSUM PHASE			
ABIES LASIOCARPA/CLINTONIA UNIFLORA	1	40	SE.
ABIES LASIOCARPA/LUZULA HITCHCOCKII	1	5	SE.
ABIES LASIOCARPA/MENZIESIA FERRUGINEA	4	502	BM, SE, US.
ABIES LASIOCARPA/OPLOPANAX HORRIDUM			
ABIES LASIOCARPA/STREPTOPUS AMPLEXIFOLIUS			
ABIES LASIOCARPA/VACCINIUM GLOBULARE			
ABIES LASIOCARPA/VACCINIUM SCOPARIUM			
ABIES LASIOCARPA/XEROPHYLLUM TENAX	5	365	BM, RP, SE, US.
PINUS CONTORTA/VACCINIUM CAESPITOSUM			
PINUS CONTORTA/VACCINIUM SCOPARIUM			
PINUS CONTORTA/XEROPHYLLUM TENAX			
PINUS PONDEROSA/PHYSOCARPUS MALVACEUS			
PINUS PONDEROSA/SYMPHORICARPOS ALBUS			
PSEUDOTSUGA MENZIESII/CALAMAGROSTIS RUBESCENS			
PSEUDOTSUGA MENZIESII/CAREX GEYERI			
PSEUDOTSUGA MENZIESII/PHYSOCARPUS MALVACEUS	3	629	AQ, BU, CF.
PSEUDOTSUGA MENZIESII/SPIRAEA BETULIFOLIA			
PSEUDOTSUGA MENZIESII/SYMPHORICARPOS ALBUS			
PSEUDOTSUGA MENZIESII/VACCINIUM CAESPITOSUM			
PSEUDOTSUGA MENZIESII/VACCINIUM GLOBULARE			
THUJA PLICATA-TSUGA HETEROPHYLLA/LYSICHTUM AMERICANUM	1	11	AQ.
THUJA PLICATA/ADIANTUM PEDATUM	2	1315	AQ, CF.
THUJA PLICATA/ASARUM CAUDATUM	3	370	AQ, BU, UF.
THUJA PLICATA/ATHYRIUM FILIX-FEMINA	5	171	AQ, BU, MO, UF, US.
THUJA PLICATA/CLINTONIA UNIFLORA	3	449	AQ, BU, UF.
THUJA PLICATA/DRYOPTERIS SPP.	1	62	AQ.
THUJA PLICATA/GYMNOCARPIUM DRYOPTERIS	2	45	BU, UF.
THUJA PLICATA/OPLOPANAX HORRIDUM	3	144	AQ, MO, US.
TSUGA HETEROPHYLLA/ASARUM CAUDATUM	3	213	MO, SK, US.
TSUGA HETEROPHYLLA/CLINTONIA UNIFLORA	3	225	MO, SK, US.
TSUGA HETEROPHYLLA/GYMNOCARPIUM DRYOPTERIS	2	116	MO, US.
TSUGA MERTENSIANA/CLINTONIA UNIFLORA			
TSUGA MERTENSIANA/LUZULA HITCHCOCKII	3	20	BM, SE, TH.
TSUGA MERTENSIANA/MENZIESIA FERRUGINEA	8	685	BM, FB, PP, SE, TH, US; Barktable Ridge pRNA, MT.
TSUGA MERTENSIANA/PHYLLODOCE EMPETRIFORMIS	1	20	FB.
TSUGA MERTENSIANA/STREPTOPUS AMPLEXIFOLIUS	1	2	TH.
TSUGA MERTENSIANA/XEROPHYLLUM TENAX	12	520	FB, PP, SE, TH, US; Barktable Ridge pRNA, MT.
<u>DECIDUOUS FOREST</u>			
POPULUS TRICHOCARPA/CORNUS STOLONIFERA	1	85	SK.
POPULUS TRICHOCARPA/RHAMNUS ALNIFOLIA			
POPULUS TRICHOCARPA/ROSA WOODSII			
POPULUS TRICHOCARPA/SYMPHORICARPOS ALBUS			
<u>MIXED EVERGREEN-DECIDUOUS FOREST</u>			
LARIX LYALLII-ABIES LASIOCARPA			

Table 2j. BITTERROOT MOUNTAINS, Section M333D (continued)

EVERGREEN WOODLAND

ABIES LASIOCARPA-PINUS ALBICAULIS/VACCINIUM SCOPARIUM			
PINUS ALBICAULIS-ABIES LASIOCARPA	1	113	RP.
PINUS PONDEROSA/FESTUCA IDAHOENSIS			
PSEUDOTSUGA MENZIESII/FESTUCA IDAHOENSIS			

DECIDUOUS SHRUBLAND

ALNUS INCANA/ATHYRIUM FELIX-FEMINA			
ALNUS INCANA/CAREX UTRICULATA			
ALNUS INCANA/EQUISETUM SPP.			
ALNUS INCANA/LYSICHTUM AMERICANUM			
ALNUS INCANA/SPIRAEA DOUGLASSII			
ALNUS SINUATA	1	30	SE.
ALNUS SINUATA/ATHYRIUM FILIX-FEMINA			
ALNUS SINUATA/MESIC FORB			
ALNUS SINUATA/MONTIA CORDIFOLIA			
BETULA GLANDULOSA/CAREX SIMULATA			
BETULA GLANDULOSA/CAREX UTRICULATA			
BETULA OCCIDENTALIS			
CORNUS STOLONIFERA			
POTENTILLA FRUTICOSA/DESCHAMPSIA CESPITOSA			
SALIX CANDIDA/CAREX UTRICULATA			
SALIX DRUMMONDIANA			
SALIX GEYERIANA/CALAMAGROSTIS CANADENSIS			
SALIX GEYERIANA/CAREX AQUATILIS			
SALIX GEYERIANA/CAREX UTRICULATA			
SALIX PLANIFOLIA VAR. MONICA/CAREX SCOPULORUM			
SALIX WOLFII/CAREX AQUATILIS			
SPIRAEA DOUGLASII			

EVERGREEN DWARF-SHRUBLAND

KALMIA MICROPHYLLA/CAREX SCOPULORUM			
PHYLLODOCE EMPETRIFORMIS-LEDUM GLANDULOSUM			
PHYLLODOCE EMPETRIFORMIS/CAREX SCOPULORUM			

TALL GRASSLAND

PHALARIS ARUNDINACEA	1	15	SK.
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MEDIUM TALL GRASSLAND

ARISTIDA LONGISETA/POA SECUNDA			
CALAMAGROSTIS CANADENSIS			
CAREX UTRICULATA	1	1.5	TH.
DESCHAMPSIA CESPITOSA			
DESCHAMPSIA CESPITOSA/DANTHONIA INTERMEDIA/CALAMAGROSTIS CANADENSIS			
FESTUCA IDAHOENSIS-AGROPYRON SPICATUM			
FESTUCA SCABRELLA-FESTUCA IDAHOENSIS			
FESTUCA VIRIDULA	1	35	BM.
GLYCERIA BOREALIS			
XEROPHYLLUM TENAX	1	90	BM.

SHORT GRASSLAND

CAREX AQUATILIS	1	1.5	TH.
CAREX BUXBAUMII COMMUNITY TYPE			
CAREX LASIOCARPA			
CAREX NEBRASKENSIS			
CAREX NIGRICANS	1		RP.
CAREX NIGRICANS-AGROSTIS HUMILIS			
CAREX PAYSONIS			
CAREX SCOPULORUM	1		RP.
CAREX SIMULATA			
DESCHAMPSIA CESPITOSA-CALTHA LEPTOSEPALA			
DESCHAMPSIA CESPITOSA-POTENTILLA DIVERSIFOLIA			
ELEOCHARIS PALUSTRIS (WETLAND/RIPARIAN)			

Table 2j. BITTERROOT MOUNTAINS, Section M333D (continued)

ELEOCHARIS PAUCIFLORUS		
FESTUCA OVINA		
JUNCUS BALTICUS		
JUNCUS DRUMMONDII-CAREX SPP.		
JUNCUS PARRYI	1	RP.
SCIRPUS ACUTUS		

LOW FORB VEGETATION

CAMASSIA QUAMASH
 EQUISETUM FLUVIATILE
 POTENTILLA DIVERSIFOLIA-ARENARIA OBTUSILOBA
 SAXIFRAGA OPPOSITIFOLIA

HYDROMORPHIC ROOTED VEGETATION

NUPHAR POLYSEPALUM
 TYPHA LATIFOLIA

Table 3. Research natural areas on NFS lands in Idaho are listed by ecological section with the code for the area (used in Figure 1 and Table 2), the size of the area (acres) and minimum and maximum elevation.

Area/Section	Code	Size (a)	Min Elev	Max Elev
<u>NORTHWEST BASIN AND RANGE</u> , Section 342B-Eastern Portion				
MOUNT HARRISON	MH	381	8400	9240
POLE CANYON	PC	333	6600	8376
TRAPPER CREEK	TP	450	5920	6400
<u>YELLOWSTONE HIGHLANDS</u> , Section M331A				
MOOSE CREEK PLATEAU	MB	440	7900	8260
THURMON CREEK	TU	607	6145	6745
WILLOW CREEK	WI	1100	5580	6165
<u>OVERTHRUST MOUNTAINS</u> , Section M331D				
BURNS CANYON	BS	490	5810	7652
BURTON CANYON	BT	1050	6020	7855
ELK VALLEY	EV	200	7450	7450
GIBSON JACK CREEK	GJ	2210	5400	7214
HORSE CREEK	HC	550	6690	8275
MEADE PEAK	MP	305	8600	9957
ST. CHARLES CREEK	SA	410	6700	8453
WEST FORK MINK CREEK	WF	640	6000	7000
<u>IDAHO BATHOLITH</u> , Section M332A				
BACK CREEK	BC	1368	6200	8922
BANNOCK CREEK	BN	438	4960	6200
BEAR VALLEY CREEK	BV	2500	6720	10116
BRUIN MOUNTAIN	BR	680	6350	8690
CIRCLE END CREEK	CE	1656	3551	7769
COLSON CREEK	CO	280	3100	4515
DEADWATER	DW	80	3560	3580
DOME LAKE	DL	1700	4700	9316
DRY BUCK	DB	390	3500	5280
DRY GULCH - FORGE CREEK	DG	3235	4610	8140
DUTCH CREEK	DU	303	2300	3532
EGGERS CREEK	EC	325	4760	6460
ELK CREEK EXCLOSURE	EE	108	3960	4400
ELK CREEK	EL	7000	2000	8371
FENN MOUNTAIN	FM	600	6210	8021
FISH LAKE	FL	754	5605	6400
FOUR-BIT CREEK	FC	392	3540	4240
FROG MEADOWS	FR	330	7220	7985
GRAVE PEAK	GP	360	6850	8282
GUNBARREL CREEK	GC	1600	2880	7192
LAVA BUTTE	LB	370	7420	8328
LOCHSA LO	1490	1600	3680	
LOWMAN	LW	380	4080	5200
MONUMENTAL CREEK	MU	740	3750	6057
MOOSE MEADOW CREEK	MM	1015	6400	7425
NEEDLES	NE	985	6750	8880
NO BUSINESS CREEK	NB	1360	2520	7200
NORTH FORK BOISE RIVER	NF	1000	4000	6000
O'HARA CREEK	OC	7000	2080	6815
PATRICK BUTTE	PB	690	6520	8841
PHOEBE MEADOWS	PM	1500	6100	7400
PONY MEADOWS	PN	1460	6550	8376
RASPBERRY GULCH	RG	640	3520	4880
REDFISH LAKE MORAINE	RL	1470	6547	7520
ROARING RIVER	RR	600	5200	7680
SALMON MOUNTAIN	SM	1923	6360	8800
SNEAKFOOT MEADOWS	SW	1965	5890	6616
SOLDIER LAKES	SL	175	7900	9147
SQUARE MOUNTAIN CREEK	SQ	709	6635	8000
TRINITY MOUNTAIN	TM	200	8130	9451

Table 3. (continued)

UPPER PRIEST RIVER	UP	612	2460	2500
WARM SPRINGS CREEK	WS	530	3910	5320
<u>BEAVERHEAD MOUNTAINS, Section M332E</u>				
ALLAN MOUNTAIN	AM	1650	6450	9154
BEAR CREEK (ABGR)	BA	310	5320	6265
COPPER MOUNTAIN	CM	550	8320	10303
DAVIS CANYON	DC	1215	5700	10028
KENNEY CREEK	KC	1580	7480	9604
MAHOGANY CREEK	MC	3650	8310	11828
MEADOW CANYON	ME	3880	7700	11612
MERRIAM LAKE BASIN	ML	740	9580	12065
MIDDLE CANYON	MI	2200	5600	10810
MILL LAKE	MA	800	8820	10693
SHEEP FALLS	SF	115	5800	6000
SHEEP MOUNTAIN	SB	624	9840	10865
TARGHEE CREEK	TC	2640	7420	10388
WEBBER CREEK	WC	2425	7600	11393
<u>CHALLIS VOLCANICS, Section M332F</u>				
BASIN GULCH	BG	1175	6650	10458
BELVIDERE CREEK	BE	2920	6200	9273
CACHE CREEK LAKES	CC	750	7500	9881
CHILCOOT PEAK	CP	1294	7250	8998
IRON BOG	IB	434	7000	8600
MYSTERY LAKE	MY	520	8560	10329
POLE CREEK EXCLOSURE	PE	27	7320	7360
SAWTOOTH VALLEY PEATLANDS	SV	273	6640	6840
SMILEY MOUNTAIN	SI	3080	9440	11508
SURPRISE VALLEY	SU	1470	8800	11878
<u>BLUE MOUNTAINS, Section M332G</u>				
ALUM BEDS	AB	600	1200	4800
BEAR CREEK (PIPO-PSME)	BP	387	5040	7499
BILLS CREEK	BI	30	1200	2000
COUNCIL MOUNTAIN	CU	150	7640	8126
CUDDY MOUNTAIN	CD	1040	3700	7187
EMERY CREEK	EM	1200	2800	5860
LIGHTNING CREEK	LC	2175	2000	7600
LITTLE GRANITE CREEK	LG	5700	1400	7993
LOST BASIN GRASSLAND	LS	140	4800	5560
PONY CREEK	PO	1875	3640	8048
ROCKY COMFORT FLAT	RC	953	3350	4515
<u>OKANOGAN HIGHLANDS, Section M333A</u>				
BINARCH CREEK	BB	660	2660	3200
BOTTLE LAKE	BO	260	2800	3368
CANYON CREEK	CA	977	4150	5970
KANIKSU MARSH	KM	195	2420	2525
POTHOLES	PT	274	2750	3150
SMITH CREEK	SC	1340	4700	6742
SNOWY TOP	ST	835	5060	7572
TEPEE CREEK	TE	660	2450	3200
THREE PONDS	TR	240	3340	3905
UPPER FISHHOOK	UF	320	4280	4880

Table 3. (continued)

<u>FLATHEAD VALLEY</u> , Section M333B					
HUNT GIRL CREEK	HG	1505	3900	6298	
SCOTCHMAN NO. 2	SN	1270	4320	6989	
<u>BITTERROOT MOUNTAINS</u> , Section M333D					
AQUARIUS	AQ	3900	1600	3995	
BALD MOUNTAIN	BM	365	5760	6526	
BULL RUN CREEK	BU	373	2190	2940	
CHATEAU FALLS	CF	200	2200	3880	
FIVE LAKES BUTTE	FL	310	5700	6859	
MONTFORD CREEK	MO	292	3050	4400	
POND PEAK	PP	270	4880	6136	
RHODES PEAK	RP	310	6440	7930	
SPION KOP	SK	465	2755	3490	
STEEP LAKES	SE	784	5750	7290	
THERIAULT LAKE	TH	120	5700	6500	
UPPER SHOSHONE CREEK	US	1407	3618	6444	
UPPER NEWSOME CREEK	UN	1201	4430	5720	

Table 4. Research natural areas on NFS lands in Idaho are listed by (lead) Forest and Ranger District: proposed research natural areas (pRNA) established research natural areas (RNA).

<u>BOISE NATIONAL FOREST</u>		<u>CLEARWATER NATIONAL FOREST</u>	
<u>CASCADE RANGER DISTRICT</u>		<u>LOCHSA RANGER DISTRICT</u>	
BACK CREEK	RNA	BALD MOUNTAIN	RNA
CHILCOOT PEAK	RNA	DUTCH CREEK	RNA
NEEDLES	RNA	FENN MOUNTAIN	pRNA
<u>EMMETT RANGER DISTRICT</u>		LOCHSA	RNA
DRY BUCK	pRNA	<u>NORTH FORK RANGER DISTRICT</u>	
EGGERS CREEK	pRNA	AQUARIUS	RNA
<u>IDAHO CITY RANGER DISTRICT</u>		CHATEAU FALLS	RNA
BANNOCK CREEK	RNA	RHODES PEAK	pRNA
NORTH FORK BOISE RIVER	RNA	STEEP LAKES	RNA
<u>LOWMAN RANGER DISTRICT</u>		<u>PALOUSE RANGER DISTRICT</u>	
BEAR CREEK (PIPO-PSME)	RNA	BULL RUN CREEK	RNA
LOWMAN	RNA	<u>PIERCE RANGER DISTRICT</u>	
MONUMENTAL CREEK	pRNA	FOUR-BIT CREEK	RNA
<u>MOUNTAIN HOME RANGER DISTRICT</u>		<u>POWELL RANGER DISTRICT</u>	
ELK CREEK EXCLOSURE	RNA	GRAVE PEAK	RNA
ROARING RIVER	RNA	SNEAKFOOT MEADOWS	RNA
RASPBERRY GULCH	pRNA	<u>IDAHO PANHANDLE NATIONAL FORESTS</u>	
TRINITY MOUNTAIN	RNA	<u>AVERY RANGER DISTRICT</u>	
<u>CARIBOU NATIONAL FOREST</u>		FIVE LAKES BUTTE	RNA
<u>MONTPELIER RANGER DISTRICT</u>		UPPER FISHHOOK	RNA
BURTON CANYON	RNA	<u>BONNERS FERRY RANGER DISTRICT</u>	
ELK VALLEY	pRNA	HUNT GIRL CREEK	RNA
MEADE PEAK	RNA	SMITH CREEK	RNA
ST. CHARLES CREEK	RNA	THREE PONDS	RNA
<u>POCATELLO RANGER DISTRICT</u>		<u>FERNAN RANGER DISTRICT</u>	
GIBSON JACK CREEK	RNA	MONTFORD CREEK	RNA
WEST FORK MINK CREEK	RNA	<u>PRIEST LAKE RANGER DISTRICT</u>	
<u>SODA SPRINGS RANGER DISTRICT</u>		BINARCH CREEK	RNA
HORSE CREEK	RNA	BOTTLE LAKE	RNA
<u>CHALLIS NATIONAL FOREST</u>		CANYON CREEK	RNA
<u>CHALLIS RANGER DISTRICT</u>		KANIKSU MARSH	RNA
MAHOGANY CREEK	RNA	POTHOLES	RNA
MERRIAM LAKE BASIN	RNA	SNOWY TOP	RNA
<u>LOST RIVER RANGER DISTRICT</u>		TEPEE CREEK	RNA
IRON BOG	RNA	UPPER PRIEST RIVER	pRNA
MIDDLE CANYON	RNA	<u>SANDPOINT RANGER DISTRICT</u>	
SMILEY MOUNTAIN	RNA	SCOTCHMAN NO. 2	RNA
SURPRISE VALLEY	RNA	<u>ST. MARIES RANGER DISTRICT</u>	
<u>MIDDLE FORK RANGER DISTRICT</u>		THERIAULT LAKE	RNA
CACHE CREEK LAKES	pRNA	<u>WALLACE RANGER DISTRICT</u>	
SOLDIER LAKES	RNA	POND PEAK	RNA
<u>YANKEE FORK RANGER DISTRICT</u>		SPION KOP	RNA
MYSTERY LAKE	pRNA	UPPER SHOSHONE CREEK	RNA

Table 4. (continued)

NEZ PERCE NATIONAL FOREST

ELK CITY RANGER DISTRICT
UPPER NEWSOME CREEK pRNA

RED RIVER RANGER DISTRICT
ELK CREEK pRNA
FISH LAKE RNA
MOOSE MEADOW CREEK RNA
SALMON MOUNTAIN pRNA
WARM SPRINGS CREEK RNA

SALMON RIVER RANGER DISTRICT
NO BUSINESS CREEK RNA
SQUARE MOUNTAIN CREEK pRNA

SELWAY RANGER DISTRICT
O'HARA CREEK RNA

HELLS CANYON NATIONAL RECREATION AREA
(WALLOWA-WHITMAN NATIONAL FOREST)
LITTLE GRANITE CREEK pRNA
ALUM BEDS pRNA
LIGHTNING CREEK pRNA
BILLS CREEK pRNA

PAYETTE NATIONAL FOREST

COUNCIL RANGER DISTRICT
BEAR CREEK (ABGR) pRNA
COUNCIL MOUNTAIN pRNA
EMERY CREEK pRNA
LOST BASIN GRASSLAND pRNA
ROCKY COMFORT FLAT RNA

KRASSEL RANGER DISTRICT
BELVIDERE CREEK pRNA
CIRCLE END CREEK pRNA
PHOEBE MEADOWS pRNA

MCCALL RANGER DISTRICT
PONY MEADOWS RNA

NEW MEADOWS RANGER DISTRICT
BRUIN MOUNTAIN RNA
LAVA BUTTE pRNA
PATRICK BUTTE pRNA
PONY CREEK pRNA

WEISER RANGER DISTRICT
CUDDY MOUNTAIN pRNA

SALMON NATIONAL FOREST

COBALT RANGER DISTRICT
DRY GULCH - FORGE CREEK RNA
FROG MEADOWS RNA

LEADORE RANGER DISTRICT
BEAR VALLEY CREEK RNA
MILL LAKE RNA
KENNEY CREEK RNA
SHEEP MOUNTAIN pRNA

NORTH FORK RANGER DISTRICT
ALLAN MOUNTAIN RNA
COLSON CREEK RNA
DAVIS CANYON RNA
DEADWATER pRNA
DOME LAKE RNA
GUNBARREL CREEK RNA

SAWTOOTH NATIONAL FOREST

BURLEY RANGER DISTRICT
MOUNT HARRISON pRNA
POLE CANYON pRNA

KETCHUM RANGER DISTRICT
BASIN GULCH RNA

SAWTOOTH NATIONAL RECREATION AREA
POLE CREEK EXCLOSURE pRNA
REDFISH LAKE MORAINES pRNA
SAWTOOTH VALLEY PEATLANDS pRNA

TWIN FALLS RANGER DISTRICT
TRAPPER CREEK pRNA

TARGHEE NATIONAL FOREST

ASHTON RANGER DISTRICT
SHEEP FALLS pRNA
WILLOW CREEK RNA

DUBOIS RANGER DISTRICT
COPPER MOUNTAIN RNA
MEADOW CANYON RNA
WEBBER CREEK RNA

ISLAND PARK RANGER DISTRICT
MOOSE CREEK PLATEAU RNA
TARGHEE CREEK pRNA
THURMON CREEK RNA

PALISADES RANGER DISTRICT
BURNS CANYON pRNA

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