Special Features in Alberta

Proposed Framework for Site Identification and Initial Evaluation of Potential Special Features Sites

Prepared for:

The Special Places Provincial Co-ordinating Committee

July, 1998

PREFACE

This report was provided to the Special Places Provincial Co-ordinating Committee, by Alberta Environmental Protection.

It contains advice and opinions by individuals outside of government, mainly in the field of Conservation Biology.

Although intended to provide scientifically-based information and advice to decision makers, the report does not represent the views or policy of the Government of Alberta.

EXECUTIVE SUMMARY

The Special Features Report is a technical report to assist the Special Places Provincial Co-ordinating Committee to evaluate how sites with special features, or of special concern might be incorporated into the program's designation process.

It focuses on special features of Alberta's environmental diversity that are not captured in the landscape-level approach taken by the Committee in its initial work on Special Places. It is also intended to be of use to the Committee in evaluating many public nominations at a finer level of detail, based upon species, communities or landforms of special concern.

The report covers three areas.

First, it proposes a process to identify "special features" in Alberta and define their conservation status.

This process is intended to complement the coarse filter or "top down" approach of Alberta's Special Places program which attempts to capture environmental diversity by protecting broad landscapes or Level 1 Natural History Themes.

The Special Features Report takes the opposite, or "bottom up", approach to identify individual plant or animal species and communities, or landforms, that are limited in distribution or size, or are truly unique examples of Alberta's natural diversity. It does not address species such as grizzly bears, wolves or caribou, which are dealt with in separate broader-based management plans.

Second, the Report also provides a framework and criteria for evaluating special features and determining whether to recommend that they be considered for inclusion into the provincial system of protected areas. The evaluation criteria reflect principles regarding rarity, environmental significance, diversity, evolutionary significance, degree of threat, and current representation in protected areas.

Third, the Special Features Report identifies 149 special features, which may be suitable for inclusion in Alberta's protected areas network. However, this is a preliminary evaluation which relies primarily on data stored in the Alberta Natural Heritage Information Centre. Boundaries shown are abstract at this point, the sites have not been evaluated in terms of current protected areas priorities, nor has any screening been done regarding resource commitments.

A number of other site (216) are also identified in the report which require further study to confirm their potential for inclusion into the protected areas network.

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1.0 INTRODUCTION

1.1 Purpose of the Report

This report documents the process and results of a special features project undertaken by Alberta Environmental Protection during January to May 1998 as part of ongoing efforts to design and implement a quality protected areas system in Alberta. The information presented in this report provides a scientifically sound foundation for moving forward with identifying and conserving special aspects of Alberta's environmental diversity, particularly through designation of protected areas. Protected areas on provincial land are a core component of a much broader effort to conserve the province's environmental diversity, involving many interests (provincial and private) and many different approaches. The project results will be presented to the provincial co-ordinating committee guiding Alberta's Special Places Program whose goal is to complete a system of protected areas on provincial land that includes the environmental diversity of Alberta's six natural regions (Government of Alberta, 1995).

Recent work on the protected areas system in Alberta has focused on achieving representation of broad landscapes or Level 1 Natural History Themes. Theoretically, a coarse-filter, top-down approach which captures the full array of physical habitats and environmental gradients will result in most components of environmental diversity, known as elements, being included in protected areas (Kavanagh *et al.* 1994). However, some less common elements with significant conservation value are likely to be missed by relying solely on a landscape approach (Mehlman 1996, Gerry *et al.* 1998). Because ecological processes and elements of biodiversity occur at a variety of scales, a strategy to conserve these, ideally, should encompass a broad range of scales. Currently, conservation biologists recommend that programs to preserve biological diversity complement the coarse-filter, top-down approach with a fine-filter, bottom-up approach which considers particular species or taxa, vegetation communities, landforms, and other elements of special conservation concern (Adamus and Clough 1978, Noss 1995, Csuti *et al.* 1995).

For the purposes of this report, elements of special conservation concern, generally, are those that are restricted in extent or distribution, are small in number, or are considered an outstanding example of that element. For example, rare or vulnerable species and vegetation communities or outstanding and unusual landforms are elements of special conservation concern. However, not all elements of special conservation concern are considered in this project. For example, wide-ranging mammals of special conservation concern, such as grizzly bear, wolf, and woodland caribou, require a broad ecosystem management approach that is beyond the scope of this project. A "focal species analysis", which includes protected areas, is required to ensure conservation of these special elements (Noss, 1997).

The process described in this report uses available information on special elements in Alberta to identify sites, known as special features, which may need to be included in the protected areas network. Alberta's protected areas system will continue to evolve and change as new information becomes available on key elements of environmental diversity, their conservation needs and the role of protected areas in meeting these conservation needs. Compiling and analysing this information is a huge task - one begun by government and private conservation interests in Alberta and elsewhere, but far from finished. Since there are significant information gaps and uncertainties in our knowledge

of elements of environmental diversity, the report's results should be viewed as providing the best possible direction to decision makers at this time.

1.2 Project Objectives

The objectives of the special features project are:

- To define a framework and process for identifying special features and evaluating their conservation status in Alberta.
- To identify special features on provincial land for consideration by the Special Places Provincial Co-ordinating Committee for inclusion in Alberta's protected areas network.
- To identify information gaps and uncertainties regarding special features which will need to be addressed as part of ongoing efforts to protect environmental diversity.

1.3 Definition of Key Terms

Key terms used in this report are defined as follows:

Elements are components of environmental diversity defined at many different scales. An element may be a landform, a vegetation community or a species or subspecies of plant or animal.

Element groups are groupings of elements, such as landforms or vegetation communities or plants or vertebrate animals.

Special elements are elements of particular conservation concern defined using objective criteria including rarity, risk, outstanding characteristics and the agreement of specialists. In Alberta, elements of special conservation concern are defined by the Alberta Natural Heritage Information Centre.

Element occurrences are locations where elements are found.

Special element occurrences are locations where special elements are found. In Alberta, special element occurrences are recorded and tracked by the Alberta Natural Heritage Information Centre.

Special features are areas encompassing one or more special element occurrences. *Special feature polygons* are mapped areas of special features showing approximate boundaries, Sections 2.0 and 3.0 describe the process and criteria used in this project to identify special features and map special feature polygons.

1.4 The Alberta Natural Heritage Information Centre

The Alberta Natural Heritage Information Centre (ANHIC) is an interagency effort to compile information about elements of environmental diversity and other natural heritage information. Information is placed in data banks based on the system developed by The Nature Conservancy and used by Conservation Data Centres operated by most provinces and states in North America. The heritage data are not confined to computerized databases but are supplemented by large amounts of information in manual files, maps and libraries. The data bank is continually being expanded and updated as new information becomes available and resources permit.

Since its establishment in 1994, ANHIC has focused on compiling information about plant and vertebrate animal species with 20 or fewer known occurrences in Alberta or that are considered by conservation biologists to be of special conservation concern. More recently, classification systems for vegetation communities and landforms have been initiated and processes are underway to identify those that are of special conservation concern. In addition, information may be included on other elements of special conservation concern, such as seasonal wildlife concentrations and breeding colonies of various bird species. Also contained within ANHIC is information on Alberta's natural regions, subregions and natural history themes and on various land uses and designations relevant to conservation of environmental diversity.

1.5 Project Process

The project has drawn extensively on information stored in ANHIC. A small team of professionals with expertise in vascular plants, non-vascular plants, vertebrate animals, vegetation communities, landforms and geographic information system technology worked cooperatively throughout the project. The team included Alberta Environmental Protection staff and specialists outside of government, including Dr. Rene Belland (Devonian Botanical Garden, University of Alberta), Gavin More, (Canadian Heritage) and Dr. Brett Purdy (University of Alberta). Their work was facilitated by a consultant specializing in consensus process and environmental conservation.

Over a six-month period (January-June 1998), the project team developed and implemented a framework and process for identifying and evaluating special features using extensive information on conservation principles and on elements of special conservation concern housed with ANHIC. The team also drew on the network of professionals available to ANHIC for advice and review of draft materials.

Steps in the process included:

- Identification of special elements, special element occurrences and information gaps (for landforms, vegetation communities, plants and vertebrate animals).
- Identification of special features (by synthesizing information on special elements and applying objective criteria).
- Preliminary evaluation of special features (using numerical valuation based on objective criteria and assessment by specialists. Part of the assessment considered of elements already were included in protected areas [see Section 4.7]).

- Critical review of results by peers.
- Final evaluation of special features.
- Agreement on conclusions and recommendations.

2.0 IDENTIFICATION OF SPECIAL ELEMENTS, SPECIAL ELEMENT OCCURRENCES AND INFORMATION GAPS

Information currently in ANHIC deals primarily with four types of elements – landforms, vegetation communities, plant species (vasculars and mosses), and vertebrate animal species. There has not yet been a concentrated effort to include information on genetic, fungi, lichen, liverwort, invertebrate animal, microorganism, soil, bedrock or paleontological (fossil) elements.

2.1 Landforms

Landforms: Classification of Elements

A landform is defined as the morphology (shape) and character of the land surface that results from the interaction of physical processes (e.g. flowing water, wind, glacial action, weathering) and crustal movements with the geology of the earth's surface (Whittow 1984). Landforms comprise the earth's surface and include broad features, such as plains, plateaux, and mountains, and also smaller features, such as sand dunes, eskers, glacial moraine and alluvial fans (Bates and Jackson 1984). The landform classification system used by Alberta's Natural Heritage Information Centre is based on the origin or genesis of the landform. That is, landforms are grouped according to the dominant processes that form them. This approach to classification has been used successfully for conservation purposes in other jurisdictions (Herbank 1989, Spicer 1987).

Within ANHIC, landform elements are assigned to fourteen categories of geomorphologic processes. These geomorphologic processes include:

running water, lake waves and currents, glacial ice and meltwater, glaciotectonism (bedrock movements due to glaciers), wind, ground water (karst, springs, geothermal), gravity and mass movements, weathering and differential erosion, frozen ground and snow, movements of the earth's crust, meteorite falls, igneous activity, peat accumulation (non-permafrost), and peat accumulation (permafrost). Where there is a combination of processes in action, the element is usually assigned to the process that is most important to its development. Dr. Ian Campbell (University of Alberta), Dr. Rene Barendregt (University of Lethbridge) and Dr. Derald Smith (University of Calgary) advised on the classification system

All scales of landform elements, from coarse-filter elements reflected in Level 1 Themes (e.g. kame moraine, hummocky moraine, dune field, valley) to medium-filter elements (e.g. delta, meltwater channel, sand dune, lagoon) to fine-filter elements (e.g. rapids, crevasse, kame, dike) can be classified according to the processes that formed them. The classification system is easily modified as new elements are identified and process definitions are refined.

Information on the landform classification system and definition of elements is available upon request from ANHIC.

Landforms: Process and Criteria for Determining what is Special

Surficial geology maps and reports by the Geological Survey of Canada and the Alberta Geological Survey, other scientific publications (textbooks, theses, journal articles) and maps on Alberta's geomorphology, and environmentally significant area studies for municipal districts and counties were reviewed to determine the distribution and abundance of various landform elements in Alberta. A list of source documents is available from ANHIC. This information was augmented through interviews with experts, including Dr. Ian Campbell and Dr. Bruce Rains (University of Alberta), Dr. Derald Smith and Dr. Stu Harris (University of Calgary), Dr. Rene Barendregdt (University of Lethbridge), Dr. Laurence Andriashak (Alberta Geological Survey) and Dr. Ron Mussieux (Provincial Museum of Alberta).

The name, location information, classification, detailed description, and source information of each element occurrence were entered into a computer database. Information was not compiled on landforms which are extensive or widespread in the province such as mountains, valleys, floodplains, ground moraine, outwash plains, and lakes. Instead, attention focused on landform elements which are uncommon or outstanding, and hence of special conservation concern. All priority element occurrences compiled are mapped on 1:50,000 NTS maps.

Criteria for considering a landform element or an element occurrence to be of special conservation concern are:

- There are five or fewer known occurrences of the element in the province.
- An occurrence of an element with more than five known occurrences in the province is considered special if it is an outstanding example of that landform element. Outstanding means the occurrence has been judged by geomorphic experts to be particularly noteworthy (i.e. the biggest, the best example, the most representative) in a provincial (in Alberta), national (in Canada) or international context.

Landforms: Special Elements and Element Occurrences in Alberta

The list of special landform element occurrences considered for this project is provided in Appendices 1a and 1b. Appendix 1c supplies definitions for the landform types. [Figure 1 illustrates two examples of special landform elements in Alberta.] Landform element occurrences outside of protected areas are included in Map 1.

Landforms: Information Gaps and Uncertainties

The list and map of special landform elements and element occurrences are subject to change, as new information becomes available to ANHIC.

Key gaps and uncertainties regarding landforms are:

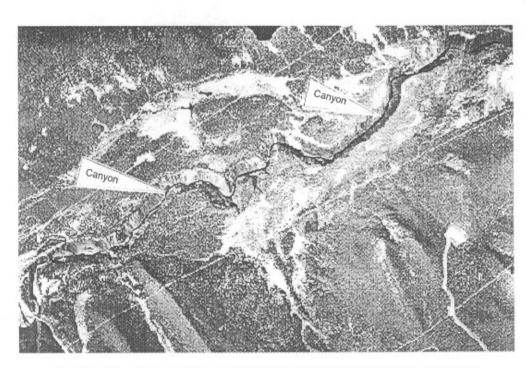
- The surficial geology of a substantial part of northern Alberta has not yet been surveyed or mapped.
- Review of relevant publications and, hence, compilation of all available information is not yet complete. Neither are all known element occurrences mapped, particularly those within protected areas.
- The quality and level of detail of information in the database is inconsistent, reflecting the varying extent and quality of the surveys and studies reviewed.
- Information on precise location of elements and site integrity is occasionally lacking.
- Differing terminology for similar landform features can lead to difficulties in accurately describing and classifying some features. For example, a bird's-foot delta is equivalent to a stable channel, mouth bar delta.
- Changing theories regarding the origin of landforms can lead to classification differences. For example, post-glacial megafloods instead of glaciation may be identified as a causative agent of spillway channels.

2.2 Vegetation Communities

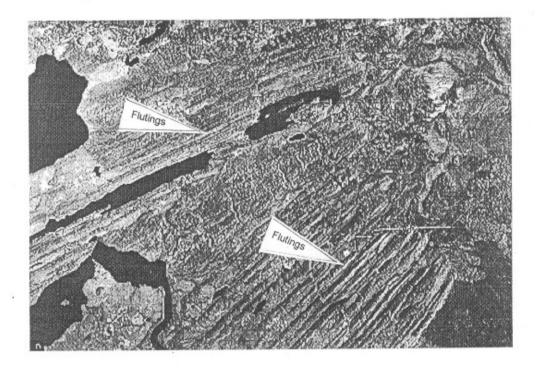
Vegetation Communities: Classification of Elements

Broad vegetation types are reflected in the names of natural regions and sub-regions in Alberta -Grassland, Parkland, Boreal Forest, Mixedgrass, Fescue, and Mixedwood. Within natural subregions, vegetation types based on structure (physiognomy) also are readily recognizable - forest, woodland, shrubland (tall/low), grassland, herbaceous or wetland. Vegetation types within these obvious structural units are further readily recognized based on one or two dominant species - for example, white spruce forest, lodgepole pine forest, aspen woodland, or rough fescue grassland.

The community level, however, is the most fundamental and widely used scale for classifying vegetation. Vegetation communities are recurring assemblages of plant species, the species occurring together because they respond similarly to a variety of site attributes (Grossman *et al.* 1994).



The Ram River Canyon (polygon #53). The canyon is deeply-incised, extends for several kilometres and has walls reaching to 300m high.



Giant flutings from the Cameron Hills area (polygon #120). These flutings are some of the largest known in Canada.

Figure 1. Examples of Special Landform Elements. (top photo details: photo #284, AS4826, 1997, 1:20,000 scale; bottom photo details: photo #236, AS4519, 1994, 1:60,000 scale).

Vegetation community classification in Alberta began in the 1930s with a series of published papers by Dr. E. Moss of University of Alberta. Over the past five decades, numerous researchers have used a variety of classification systems to describe vegetation communities in various parts of the province. These studies have differed greatly in detail and scale. The most recent major work has been the development of a series of ecosite field guides providing descriptions of forest communities for provincial lands in western and northern Alberta (Archibald *et al.* 1996, Beckingham *et al.* 1996). A similar series of guides, called rangeland carrying capacity guides, currently are being developed, describing shrubland and grassland communities in the forested areas as well as their forage production values and carrying capacities (Olson *et al.* 1994, Willoughby and Downing 1995, Willoughby and Smith 1997; Willoughby *et al.* 1997). A vegetation community classification for the mountains has been developed in the national parks (Achuff 1997, Corns and Achuff 1982). A list of sources for vegetation community descriptions in the province is available from ANHIC.

Building on this substantial body of work, ANHIC is developing a community classification system for conservation planning that is modeled after one developed by The Nature Conservancy in the United States (Grossman *et al.*, 1994). It names communities according to the dominant species found in each vegetation layer. Species within the same vegetation layer are separated by an "-", layers are separated by an "/". For example, a forest community could be named Engelmann spruce-subalpine fir/false azalea/grouseberry/feathermoss.

Reviewing the numerous studies on vegetation in Alberta over the past nine decades and standardizing vegetation community descriptions is a major undertaking which has only just begun. Initially the focus has been on developing a preliminary list of vegetation communities known to be of special conservation concern.

Vegetation Communities: Process and Criteria For Determining What is Special

To develop a preliminary list of special vegetation community elements, numerous publications describing vegetation types in Alberta were reviewed and discussions were held with several knowledgeable individuals. Key sources of information include: reports on the special features of the national parks (Achuff 1997, Achuff *et al.* 1986); a series of reports done for protected areas and protected areas planning that document both representative and special features (Achuff 1984, Fairbarns 1986, Fairbarns 1990, Lee *et al.* 1982, Wallis 1980, Wallis 1990, Wallis and Wershler 1984); ecosite and carrying capacity field guides for the forested portions of Alberta; and a variety of published papers and reports on Alberta's vegetation (Achuff *et al.* 1997, Adams *et al.* 1997, Bradley *et al.* 1991, Corns and Achuff 1982, Fargey and Mercer 1995, Lewis *et al.* 1928, Strong 1996, Timoney 1996, Vitt *et al.* 1975). As with other element groups, the list of special vegetation community elements for which ANHIC will gather information for conservation purposes is referred to as a tracking list.

In February 1998, a network of vegetation experts reviewed the preliminary list of special vegetation community elements and suggested revisions. Reviewers include Dr. Peter Achuff (Parks Canada), Barry Adams (Alberta Public Lands), Lorna Allen (ANHIC), Harry Archibald (Land and Forest Service), Cheryl Bradley (vegetation consultant), Dr. Ian Corns (Canadian Forestry Service), David Downing (vegetation consultant), Gerry Ehlert (Alberta Public Lands), Joyce Gould (ANHIC), Derek

Johnson (Canadian Forest Service), Dan MacIsaac (Canadian Forest Service), Kevin Timoney (vegetation consultant), Garry Trottier (Environment Canada), Cliff Wallis (vegetation consultant) and Mike Willoughby (Land and Forest Service). The revised list will be circulated to a broader number of knowledgeable individuals for review and comment. Once agreement is reached, this list will become the preliminary ANHIC tracking list. It is proposed that the list be reviewed and revised periodically by the tracking list network as new information on special elements becomes available.

Criteria for considering a vegetation community element or an element occurrence to be of special conservation concern are:

- The element is uncommon, based on published information and the judgement of experts.
- The element is in decline or faced with extinction due to being restricted to a small portion of its former range.

For the purposes of this project, priority has been given to those elements that are documented as significant and with documented locations. The level of information on each element is variable.

Vegetation Communities: Special Elements and Element Occurrences

Only 14 vegetation community elements were considered for the purposes of this project, due to the lack of information on element occurrences currently in the ANHIC database. These include:

- Individual community types or groupings of communities of limited extent in the province.
- Vegetation communities that are not well described, but due to habitat alteration, may be at risk. Figure 2 illustrates an example of a remnant vegetation community element considered at risk.
- Outstanding examples of vegetation communities known to be relatively restricted in the province.

Special vegetation community elements are listed in Appendix 2 and element occurrences are included on Map 1.

Vegetation Communities: Information Gaps and Uncertainties

The list and map of special elements and element occurrences for vegetation communities contained in this report are subject to change as new information becomes available.

Key gaps and uncertainties regarding the information on vegetation communities are as follows.

- Review of relevant publications and, hence, compilation of available information is only in the preliminary stages.
- Vegetation communities have not yet been surveyed and/or mapped in a substantial part of northern Alberta and in portions of the mountains, foothills and grasslands. In particular, areas of riparian and upland old-growth forests have not been identified.
- In some areas where vegetation communities have been described, scale of mapping is of insufficient detail to determine the location of special vegetation communities.

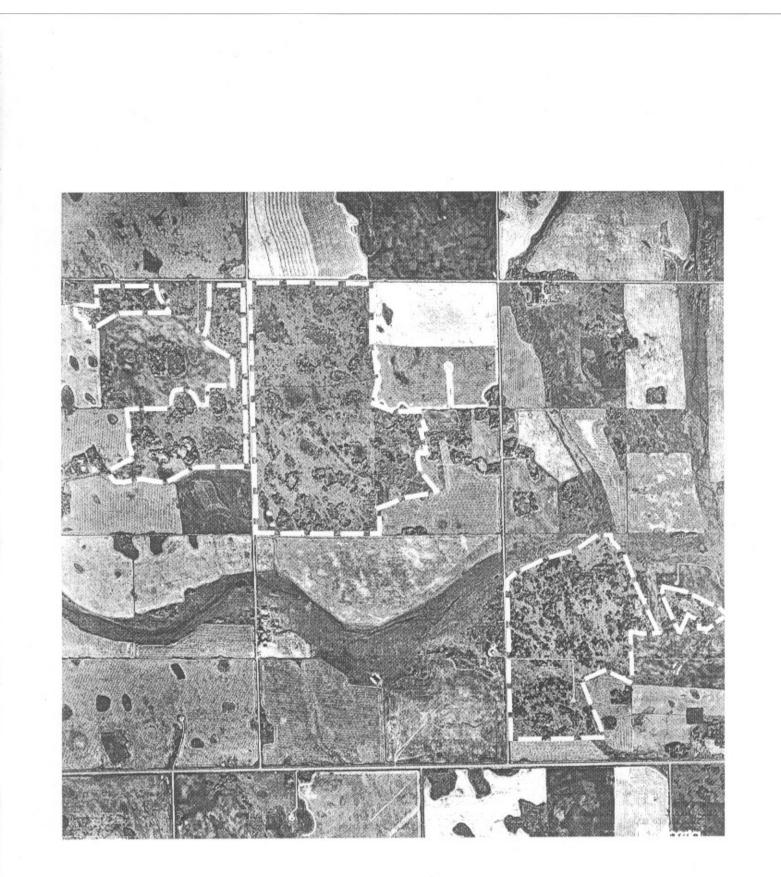


Figure 2. Example of a Special Vegetation Community—the *Festuca hallii* Community. This is considered a community type at risk. The remnant areas are outlined in white dashed lines. Photo details: photo #81, AS 4440, 1993, scale 1:20,000.

- Inconsistencies in the methodology and classification systems used for identifying vegetation communities make comparison between studies difficult and complicate identification of special vegetation community elements.
- There is very little information available on aquatic vegetation communities, particularly for springs or intermittent wetlands.
- Vegetation communities that undergo frequent disturbance, such as those on avalanche slopes, are not well known.
- Vegetation communities dominated by lichens and mosses, particularly in alpine areas, have not been described.
- Natural change (vegetation succession) means that some special vegetation communities are transitory.

2.3 Plants

Plants: Classification of Elements

The classification of plants is based on the concept of species. A species is a naturally occurring group of plants able to breed among themselves but not to breed with other plant groups. Each species has a unique scientific name composed of two Latin words. Many also have well known common names. Occasionally, subspecies or varieties are recognized within species, which may gradually be evolving into a new, distinct species.

Vascular plants - plants possessing an internal vascular system for transporting water and nutrients - are the most well known group of plants. Vascular plants include trees, shrubs, ferns, herbs and grasses. Scientific names of vascular plant taxa in Alberta are for the most part according to *The Flora of Alberta* (Moss 1983), except for species that more recently have been reworked by taxonomists in *The Flora of North America* (Flora of North America Editorial Committee 1993-1997). There are approximately 1600 native vascular plant species in Alberta.

Non-vascular plant taxa, including mosses, liverworts, hornworts, and lichens are less well known. Scientific names of non-vascular plant taxa are according to Anderson *et al.* (1990) for mosses, Stotler and Crandall-Stotler (1977) for liverworts and Egan (1987) for lichens. Approximately 650 species of mosses and liverworts and 650 species of lichens have been documented in Alberta to date.

Plants: Process and Criteria For Determining What is Special

A list of vascular plant elements of special conservation concern was first developed by ANHIC in 1994. The initial tracking list relied heavily on publications regarding rare plants in Alberta and Canada, including Argus and White (1978), Packer and Bradley (1984), Argus and Pryer (1990), and Wallis *et al.* (1987). Information sources on elements include published and unpublished literature, field data sheets, herbarium specimens, rare plant files and discussions with knowledgeable individuals.

To date, information gathering on non-vascular plant elements of conservation concern has focused on mosses. A tracking list for mosses has been developed using information provided by Dr. Dale Vitt and Dr. Rene Belland of the Devonian Botanic Garden, University of Alberta. Work is proceeding on developing a tracking list for liverworts and macrolichens.

The information on plants in ANHIC is processed in accordance with standards, including assessment of identification, levels of precision for mapping, and quality checks of data entry and mapping. For each element group, each species being considered by ANHIC is ranked on its status (globally and provincially) using a system developed by The Nature Conservancy and used throughout North America (Table 1). Evaluation of ranks is based primarily on number of occurrences although range within the province, population size, number of occurrences within protected areas, trends and threats also are used. ANHIC gathers information on elements which have been ranked S1, S2 and on some that have been ranked S3.

Global	Provincial	Definition of Rank		
Rank	Rank			
G1	S1	occurrences or only a few remaining individuals		
G2	S2	20 occurrences or with many individuals in few occurrences		
G3	S3	21-100 occurrences, may be rare and local throughout its range, or in a restricted range (may be abundant in some locations or may be vulnerable to extirpation because of some factor of its biology)		
G4	S4	apparently secure under present conditions, typically > 100 occurrences but may be fewer with many large populations; may be rare in parts of its range, especially peripherally		
G5	S5	demonstrably secure under present condigions, >100 occurrences; may be rare in parts of its range, especially peripherally		

Table 1:	Definition	of Element Ranks
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Other codes: "T_" - rank for a subspecific taxon; "_?" - rank uncertain; _U" - status uncertain; "_R" - reported but lacks documentation.

A network of botanical experts meets formally once per year to review new information and reevaluate assigned ranks of vascular and non-vascular taxa. Experts include: Dr. Peter Achuff (Parks Canada), Lorna Allen (ANHIC), Dr. Rene Belland (Devonian Botanic Garden, University of Alberta), Dana Bush (botanical consultant), Patsy Cotterill (botanical consultant), Graham Griffiths (botanical consultant), Ross Hastings (Provincial Museum of Alberta), Derek Johnson (Canadian Forest Service), Linda Kershaw (botanical consultant), Jane Lancaster (botanical consultant), Dr. Dale Vitt (Devonian Botanic Garden, University of Alberta), Cliff Wallis (botanical consultant) and Joan Williams (botanical consultant). In addition to the review of ranks, the network assists with the setting of priorities for status reports and addressing information gaps.

Criteria for considering a plant (vascular or non-vascular) taxa to be of special conservation concern are:

- The species, subspecies or variety has 20 or fewer known occurrences in Alberta (i.e. S1 and S2 ranks).
- The species, subspecies or variety is considered to be in decline or at risk.

Plants: Special Elements and Element Occurrences

Currently, 495 vascular plant taxa and 265 moss taxa are being tracked by ANHIC. Nearly 5000 occurrences of vascular plants and 800 occurrences of mosses have been recorded in the database and mapped. Figure 3 illustrates three plant elements considered of special conservation concern. Special plant elements considered for this project are those included on the Provincial Tracking List (March 1998) and listed in Appendices 3a and 3b. Their occurrences are included in Map 1.

Plants: Information Gaps and Uncertainties

The list and map of special elements and element occurrences for plants, especially non-vascular taxa, is subject to change as new information becomes available.

Key gaps and uncertainties regarding the information on plant elements are as follows.

- Basic plant surveys have not been undertaken in many parts of the province, particularly north of Edmonton, and even less of the province has been systematically surveyed for rare plants.
- Non-vascular groups (mosses, liverworts, hornworts, lichens) are under-reported throughout the province due to lack of field biologists who are experienced with these groups.
- Information on the occurrences of several thousand collections of mosses, liverworts and lichens has not yet been entered into the ANHIC database.
- Element occurrences from many sources of information other than specimen labels (e.g. biophysical reports, field notes) have not yet been entered.
- Many plant element occurrences are mapped only to within 2.5-10 km accuracy due to imprecise location descriptions on collection labels.
- Many element occurrences have not been surveyed since the date of original collection, which could be several decades ago. The current status of many occurrences, therefore, is unknown.
- Information is lacking regarding many element occurrences (e.g. size of population, habitat) and on the biology of plants (e.g. means of pollination/seed dispersal, germination requirements, genetic diversity within and among populations). This information is required to assess conservation significance and determine appropriate conservation approaches.
- The classification of some plants is uncertain and changeable, however this is becoming less of a problem as better tools (e.g. isozyme analysis) are developed.

2.4 Vertebrate Animals

Vertebrate Animals: Classification of Elements

Vertebrates are animals with a backbone, a skeleton of cartilage or bone and a skull, which surrounds a well-developed brain. Vertebrates include fish, amphibians, reptiles, birds and mammals. As with plants, the classification of vertebrate animals is based on the concept of species. A species is a naturally occurring group of animals able to breed among themselves but not to breed with animals of other groups. Each species has a scientific name, composed of two Latin words, as well as a widely accepted common name. Names of vertebrate animal species used in ANHIC follow Nelson



Woodsia glabella (an S1 species)

Figure 3. Examples of Special Plant Elements (e.g., *Allium geyeri*—polygon #525; *Woodsia glabella*—polygon #337, *Polygala paucifolia*—polygon #351).

Allium geyeri (an S2 species)

and Paetz (1992) for fishes, Alberta Environmental Protection (1996) for amphibians, reptiles and birds, and Smith (1993) for mammals. Currently in Alberta there are 51 species of native fish, 10 species of native amphibians, 8 species of native reptiles, 297 species of native birds and 84 species of native mammals.

Vertebrate Animals: Process and Criteria For Determining What is Special

Since 1994, the Alberta Natural Heritage Information Centre (ANHIC) has been working to collect, evaluate and store information on Alberta's vertebrate animal species. Each species being considered by ANHIC is ranked on its status (globally and provincially) using a system developed by The Nature Conservancy which is in use throughout North America (Table 1). Evaluation of ranks is based primarily on number of occurrences although range within the province, population size, number of occurrences within protected areas, trends and threats also are used. ANHIC gathers information on elements that have been ranked S1, S2 and some that have been ranked as S3. The information is processed in accordance with standards, including assessment of identification, levels of precision for mapping, quality checks of data entry and mapping.

Sources of information on vertebrate animal elements include museum collections, published and unpublished scientific literature, field surveys and field notes of knowledgeable individuals. The major initial sources for specimen data include the University of Alberta Museum of Zoology, the Canadian Museum of Nature, the Provincial Museum of Alberta, and the Royal Ontario Museum. Two computerized data files were major sources of observations. Parks Canada provided data files for mountain national parks, and the computer files and survey record cards for the Alberta Wildlife and Breeding Bird Survey were obtained from the Federation of Alberta Naturalists. In addition, data from the new Biodiversity/Species Observation Database (BSOD) maintained by Alberta Fish and Wildlife were used for selected species. Published atlases and guides also have provided an important information base, including Nelson and Paetz (1992), Russell and Bauer (1993), Semenchuk (1992), and Smith (1993). In addition, surveys completed by the Canadian Wildlife Service on important shorebird staging areas (Poston *et. al* 1990) and on Canadian Forces Base Suffield have been valuable sources of information.

Evaluation of rank was initially done in 1995 by a group of knowledgeable individuals from government agencies and the private sector and a preliminary provincial tracking list for vertebrates was developed. Provincial S ranks were refined for some species in 1996 and 1997 as data were accumulated from published sources and computer databases. The ANHIC system of assigning S ranks is based primarily on the number of occurrances of the element in the province, as outlined in Table 1. This is a different process than used to assign status to species-at-risk by Alberta Environmental Protection (1996) or the Committee on the Status of Endangered Wildlife in Canada. Because of differences in ranking systems, the three lists are not strictly comparable, however these sources have been useful in assigning ranks using the ANHIC system.

Various individuals with expertise in vertebrate animal conservation have provided information and advice, including Steve Brechtel, Mike Norton and Gordon Court (Alberta Fish & Wildlife), Dave Ingstrup (Canadian Wildlife Service), Wayne Roberts (University of Alberta), Larry Powell and

Tony Russell (University of Calgary) and Cliff Wallis, Cleve Wershler and Wayne Smith (biological consultants).

Criteria for considering a vertebrate animal element to be of special conservation concern are:

- The species or subspecies has 20 or fewer known occurrences in Alberta.
- The species or subspecies is considered to have small populations in Alberta and may be in decline or at risk.
- Habitats for one or more species have been judged by specialists to be outstanding in a national or international context.

Vertebrate Animals: Special Elements and Element Occurrences

Currently, very few data on vertebrate animal elements of special conservation concern have been incorporated into the ANHIC database. Only 41 special vertebrate animal elements were considered for the purposes of this project. These include eight fish species, nine amphibian and reptile species, 13 bird species and 11 mammal species. Figure 4 illustrates four vertebrate animals that are considered special elements. In addition, important habitats were considered including:

- priority staging areas for shorebirds as identified by Poston et al (1990) and
- migratory bird nesting area as identified in Sweetgrass Consultants (1997).

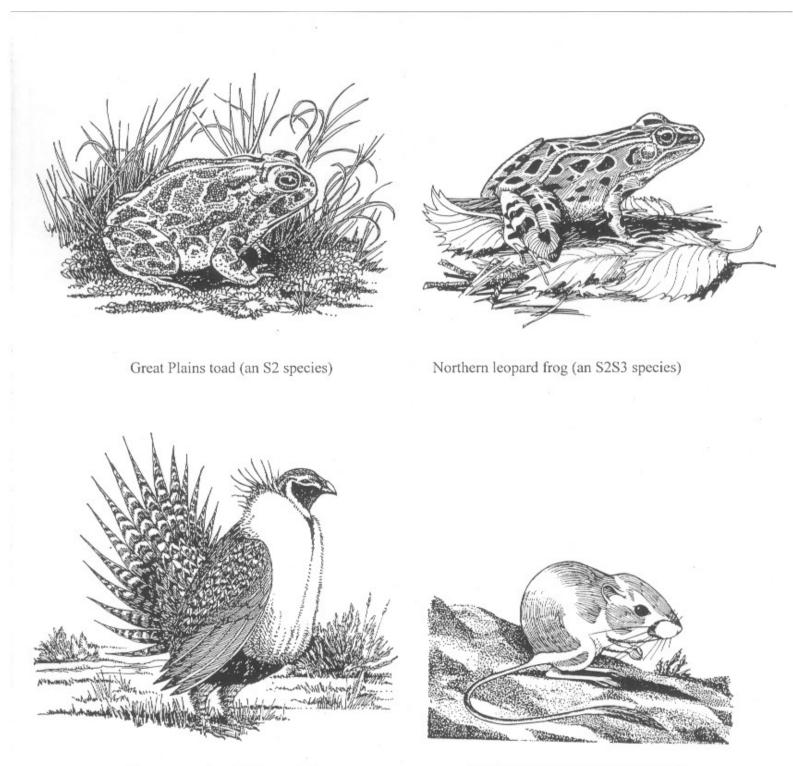
A list of special vertebrate animal elements considered as part of this project is provided in Appendix 4 and occurrences are included in Map 1.

Vertebrate Animals: Information Gaps and Uncertainties

The list and map of special elements and element occurrences for vertebrate animals are subject to change as new information becomes available to ANHIC.

Key information gaps and uncertainties regarding vertebrate animal elements are as follows.

- Large portions of the province have yet to be systematically surveyed for the full spectrum of vertebrate animal species, particularly species that are difficult to see or otherwise detect.
- Many element occurrences have not been surveyed since the date of original collection. Since surveys may have been conducted several decades ago, the current status of many occurrences is unknown.
- Occurrence information on several vertebrate animal elements of special conservation concern has not yet been entered into the ANHIC database.
- Many vertebrate animal element occurrences are mapped only to a precision of 2.5 to10 km due to imprecise location descriptions on specimen labels or in publications.
- Detailed information on many vertebrate animal element occurrences (e.g. size of population, habitat) and on the biology of species (e.g. seasonal range and movement, genetic diversity within and between populations, sensitivity to disturbances) is lacking. This information is required to assess conservation significance and determine appropriate conservation approaches.



Sage grouse (an S1S2 species)

Ord's kangaroo rat (an S2 species)

Figure 4. Examples of Special Vertebrate Animals (e.g., Leopard frog—polygon #68; Ord's kangaroo rat—polygon #75, Great Plains toad—polygon #522; Sage grouse—polygon #447). Images courtesy of the Wildlife Management Division, Alberta Environmental Protection.

• Data for some vertebrate animal elements of special conservation concern are not currently being considered by ANHIC. These include wide-ranging species that require a broad ecosystem management approach to protect habitats and ensure survival of populations such as wolf, woodland caribou, grizzly bear and river-dwelling fish.

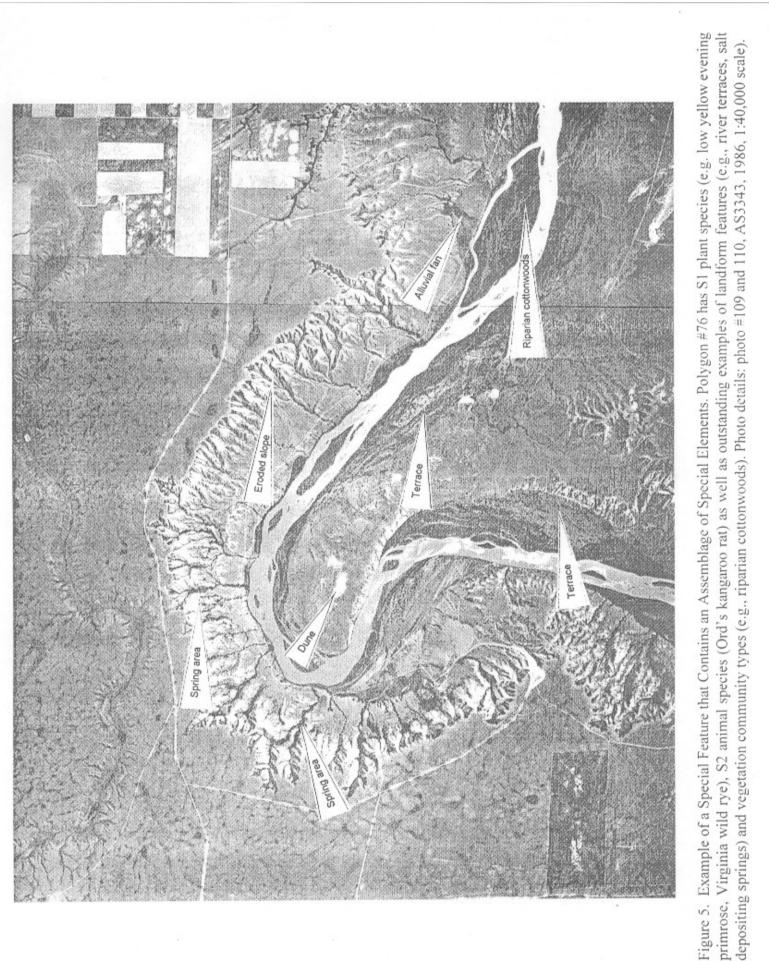
3.0 IDENTIFICATION OF SPECIAL FEATURES

The occurrences of elements of special conservation concern form the basis for identifying special features. GIS technology allows all mapped special element occurrences (roughly 5000 in total) for landforms, vegetation communities, plants and vertebrate animals to be integrated onto one provincial map base (Map 1). One of the stated purposes of this project is to identify special features for possible inclusion in the provincial protected areas system. For this reason, only special element occurrences outside of existing protected areas (parks, ecological reserves, natural areas) were considered when identifying special features.

Special feature polygons were drawn around those areas with one or more of the following elements or element types:

- Priority Rare Elements Include one or more elements with five or fewer known occurrences provincially or 100 or fewer occurrences globally.
- Outstanding Elements Include one or more elements that are recognised as outstanding examples in a provincial, national or international context. This may include noteworthy landforms or vegetation types or sites with seasonal concentrations of vertebrate animals (e.g. internationally recognized shorebird staging areas).
- Elements-at-Risk Include one or more elements considered at risk due to being restricted to a small portion of their former range or extent (e.g. *Festuca hallii* grassland communities or northern leopard frog).
- Assemblages of Elements Areas with four or more elements considered of special conservation concern as identified in Section 2.0.

Special features polygons were first drawn around assemblages or concentrations of special element occurrences. Figure 5 illustrates one area that contains an assemblage of special elements. Boundaries at this point are abstract approximations as the precision of elements occurrences is variable. As well, boundaries do not generally take into account land ownership or land use. An assemblage usually includes four or more special element occurrences that appear clustered on a 1:100,000-scale map. Following identification of assemblages, individual occurrences of priority rare (\leq 5 occurrences) and outstanding elements and elements at risk were highlighted. Those not within recognized assemblages were evaluated and, if considered particularly significant, were enclosed within special features polygons. Special features, therefore, can include one highly significant special element occurrences.



In total, 463 special features have been identified and given a name that reflects their geographic location and, occasionally, the element type represented. These special features, and the reason why they were selected are provided in Table 2. Special features, with abstract approximations of boundaries, are shown on Map 1. Special elements found within each special feature are listed in Appendix 5.

4.0 EVALUATION OF SPECIAL FEATURE POLYGONS

To assist with conservation planning, special feature polygons identified were evaluated using seven criteria that reflect widely accepted principles currently being used by conservation planners to determine conservation needs and priorities. The criteria reflect principles regarding rarity, environmental significance, diversity, evolutionary significance, degree of threat and current representation in protected areas. These criteria are applied using numerical scores. The criteria are:

- rarity: rank of special elements (ERank),
- environmental significance (EnSig),
- diversity: number of special elements (#SE),
- diversity: number of special element groups (#SEG),
- evolutionary significance (Evol),
- degree of threat (Threat), and
- representation of special elements in protected areas(PARep).

In addition, an overall conservation priority score for each special feature polygon was evaluated based on the scores for each of the seven criteria.

Definition of the criteria and process for evaluation follow. Results of the evaluation are provided in Table 2.

4.1 Rarity: Rank of Special Elements (ERank)

The rank of an element is an indicator of rarity. Each special element in the province is assigned a rank by ANHIC based on the number of known occurrences provincially and globally.

Rank scores for plant and vertebrate elements are based on a combination of G and S ranks (see Table 1) using sequence values defined by The Nature Conservancy and widely accepted among conservationists. Combined G and S rank scores used for plant and vertebrate elements are as follows:

- 5 G1S1 or G1S2 or G2S1
- 4 G2S2 or G2S3 or G3S1 or G3S2 or G4S1
- 3 G3S3 or G4S2 or G5S1
- 2 G4S3 or G5S2
- 1 G5S3

Rarity ranks for landforms are not as well understood as those for plant and vertebrate elements. Scores for landforms, therefore, are based on the following:

- 5 1 element occurrence in Alberta and uncommon globally
- 4 1-5 element occurrences in Alberta
- 3 6-20 element occurrences in Alberta and uncommon globally
- 2 6- 20 element occurrences in Alberta
- 1 > 20 element occurrences in Alberta

Elements that have not yet been ranked by ANHIC (e.g. vegetation communities and shorebird staging areas) are given a medium ranking of 3.

The special feature polygon is assigned the score of the highest ranking element within the polygon.

4.2 Environmental Significance (EnSig)

Environmental significance is an evaluation of the conservation profile, noteworthiness or outstanding nature of a special feature and the special elements contained within it. For example, those special features with special elements of limited distribution internationally which are considered the best example in the world are given the highest score. Those special features with elements noteworthy only at a regional scale are given the lowest score. Whether or not a special feature has been previously recognized as provincially or nationally significant also affects this evaluation. Since selection of special features is largely based on the occurrence of special elements considered to be of at least provincial significance, most special features identified are evaluated as provincial or higher significance. Scores for environmental significance are as follows:

- 5 International Significance
- 4 National Significance
- 3 Outstanding Provincial Significance
- 2 Provincial Significance
- 1 Regional Significance

The special feature polygon is assigned a score reflecting the most environmentally significant element within the polygon.

4.3 Diversity: Number of Special Elements (#SE)

The number of special elements within a special feature polygon is an indicator of environmental diversity. Since special feature polygons vary in size, the number of special elements is not a measure of diversity per unit area but rather of total diversity within the polygon. Polygons with a higher numbers of special elements receive a higher score. Score categories are:

- 4 5-10 elements
- 3 3-4 elements
- 2 2 elements
- 1 1 element

4.4 Diversity: Number of Special Element Groups (#SEG)

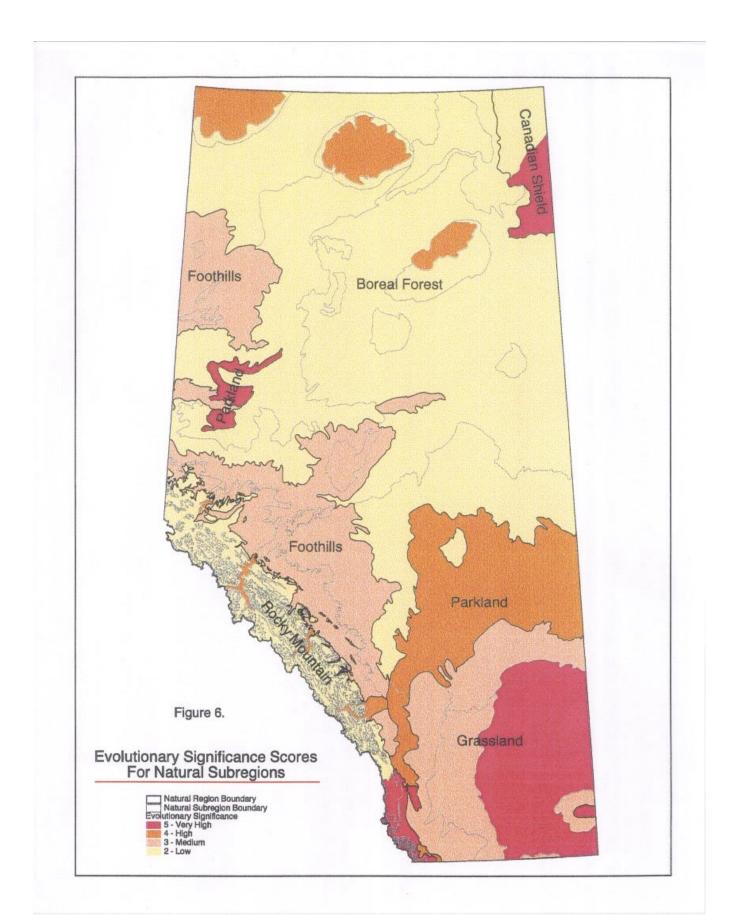
The number of special element groups also is an indicator of environmental diversity. Those polygons with all five groups of special elements represented – landform, vegetation community, vascular plant, non-vascular plant and vertebrate - are given a score of "5", whereas those with only one group of special element represented are given a score of "1". Scores are as follows:

- 5 5 element groups
- 4 4 element groups
- 3 3 element groups
- 2 2 element groups
- 1 1 element group

4.5 Evolutionary Significance (Evol)

A genetic perspective can be incorporated into the evaluation of special biological elements on the basis of evolutionary significance. For example, plant taxa that are endemic (occur in a small area and are thought to have evolved there) or plant populations that are peripheral or disjunct and genetically distinct from other populations of the species are considered to be of evolutionary significance (Purdy in prep.). Genetic information at the population and species level, however, is lacking for the large majority of rare plant species. An alternative approach to assessing evolutionary significance of special features relies on an assessment of the evolutionary capacity of natural subregions.

For the purposes of this project, Dr. Brett Purdy (evolutionary biologist, University of Alberta) has assigned ratings of evolutionary significance to each natural subregion in Alberta (Figure 6). For example, natural subregions in the Boreal Forest (BF) are of low evolutionary significance. This low rating is assigned because biological elements within the Boreal Forest Natural Region tend to have low rates of evolution and rare boreal elements in Alberta generally are widely distributed in North America or the world. An exception is the Subarctic Subregion – the tops of the Birch Mountains, Caribou Mountains and the Cameron Hills. This subregion is ranked as having of high evolutionary significance. The Sub-Arctic Subregion is characterized by disjunct populations of species more typical of more northerly sub-arctic habitats and which can be expected to experience genetic divergence.



The Athabasca Plain Subregion of the Canadian Shield Natural Region (CS) has been assigned a very high evolutionary significance rating. The extensive sand dune system within it is considered a centre of speciation by plant taxonomists. Several endemic species or varieties of species have been identified in the Athabasca Plain Subregion. The Kazan Upland Subregion of the CS however is typical of the extensive boreal shield environments outside of Alberta and is rated low.

The Upper and Lower Foothills subregions of the Foothills Natural Region (FH) are rated as having medium evolutionary significance because they represent habitats with relatively high productivity, a feature often associated with higher rates of evolution. Likewise the Montane Subregion of the Rocky Mountain Natural Region (RM) north of the Oldman River is considered of medium significance.

The Alpine and Subalpine subregions, north of the Oldman River are rated as having low evolutionary significance, as these environments are fairly extensive outside of Alberta. South of the Oldman River, however, the Montane, Subalpine and Alpine subregions are rated as having very high evolutionary significance. Many plant populations in the southwest are on the northern periphery of the ranges of species endemic to the mountain ranges of the western United States.

The Central Parkland and Foothills Parkland subregions of the Parkland Natural Region (PL) are rated as having high evolutionary significance because they represent transition zones between major floristic elements. Within these transition zones, populations of species often experience different ecological pressures (i.e. they may occur in different habitats or compete with different species for the same habitat), than are typical for the species. These ecological forces may facilitate divergence of the transition zone populations from others within the species. The Peace River Parkland Subregion is rated very high because plant populations are widely separated from the more southerly centres of the species' ranges.

The Foothills Fescue, Northern Fescue and Mixedgrass subregions of the Grassland Natural Region (GR) are rated of medium evolutionary significance. First, because they represent the northern extent of grassland features within North America, populations in Alberta are expected to be divergent from populations in the central portion of the species' ranges. Second, compared to the Boreal Forest Natural Region, rates of evolution are higher in grassland habitats, and rare elements are often found to have smaller geographic ranges. The Dry Mixedgrass Subregion is, however, of very high significance because many of the plants are Great Plains species occurring here are at the northern periphery of ranges that are centered in South Dakota and Nebraska.

Special feature polygons are scored for evolutionary significance consistent with that of the natural subregion in which they occur. Where a special feature straddles natural subregion boundaries, the highest significance rating is attached. Scores for risk assigned to natural subregions are as follows (note: no subregion was assigned a very low (i.e. "1") score):

- 5 GR-Dry Mixedgrass, PL-Peace River Parkland, RM- Alpine, Subalpine & Montane (south of the Oldman River), CS-Athabasca Plain
- 4 PL-Central Parkland, PL-Foothills, RM-Montane (north of the Oldman River), BF-Sub-Arctic
- 3 GR-Mixedgrass, GR-Foothills Fescue, GR-Northern Fescue, FH-Upper, FH-Lower
- 2 RM-Alpine & Subalpine (north of the Oldman River), BF-all except Sub-Arctic, CS-Kazan Upland

4.6 Degree of Threat (Threat)

An evaluation of the degree of threat to ecological integrity is based on an assessment of the degree of human-caused disturbances that have or are expected to pose threats to biodiversity and ecological processes within natural subregions.

For example, the Mixedgrass and Northern Fescue subregions of the Grassland Natural Region (GR) and the Central and Peace River subregions of the Parkland Natural Region (PL) are placed in the very high threat category as less than 15% of these regions remain as native vegetation. Most remaining native parcels are small, isolated and susceptible to continuing loss of native species due to the effects of fragmentation. The Alpine Subregion of the Rocky Mountain Natural Region (RM) and the Kazan Upland Subregion of the Canadian Shield Natural Region (CS) however are rated as under very low threat. They have experienced little loss of native vegetation and are considered to have a high degree of environmental integrity. In addition, there is low expectation for future threat to environmental integrity because of remoteness and current protective designations.

The Athabasca Plains of the Canadian Shield Natural Region (CS) and the Wetland Mixedwood, Peace Lowlands and Sub-Arctic subregions of the Boreal Forest Natural Region (BF) are identified at low threat. This is again because of remoteness and current protective designations as well as their low value for timber and energy resource extraction.

The Subalpine, Mixedwood and Boreal Highlands subregions together with the Upper and Lower Foothills subregions of the Foothills Natural Region (FH) are experiencing major forestry and energy developments and consequently major fragmentation of landscapes. These past and potential humancaused disturbances cause these subregions to be at medium or high threat. The Foothills Fescue, Foothills Parkland and Dry Mixedgrass subregions also receive medium or high threat scores, due to extensive clearing for cultivation and human settlement which has left few large parcels of native habitat intact.

Special features are provided a score for degree of threat consistent with that of the natural subregion in which they occur. Where a special feature straddles natural subregion boundaries, the highest significance rating is attached. Scores for level of threat assigned to natural subregions are as follows:

- 5 GR- Mixedgrass, GR-Northern Fescue, PL-Central Parkland, PL-Peace River Parkland
- 4 GR-Foothills Fescue, PL-Foothills Parkland, FH-Lower, RM-Montane, BF-Dry Mixedwood
- 3 GR-Dry Mixedgrass, FH-Upper, RM-Subalpine, BF-Mixedwood, BF-Highlands
- 2 BF-Wetland Mixedwood, BF-Peace Lowlands, BF-Sub-Arctic, CS-Athabasca Plain
- 1 RM-Alpine, CS-Kazan Upland

4.7 Representation of Special Elements in Protected Areas (PARep)

This evaluation criterion is a measure of the degree of protection already provided elements found within special feature polygons. Each special element is evaluated based on the number of element occurrences in the province and the number currently in protected areas – parks, ecological reserves, wilderness areas and natural areas. According to principles of conservation biology, protecting just one population is not sufficient to ensure long-term survival. Protection of several populations of species is recommended to assure conservation of biological diversity. Hence, the more examples of landforms or populations of species already included in protected areas, the lower the score that is assigned. Elements are scored as follows.

For elements with 5 or fewer occurrences in Alberta:

- 5 0 occurrences in protected areas
- 4 1-3 occurrences in protected areas
- 3 4 occurrences in protected areas

For elements with more than 5 occurrences in Alberta:

- 5 0 in protected areas
- 4 1-24% of occurrences in protected areas
- 3 25-49% of occurrences in protected areas
- 2 50-74% of occurrences in protected areas
- $1 \ge 75$ of occurrences in protected areas

Protected area representation scores of all elements in the special feature polygon were then evaluated and the polygon given a combined score as follows:

- 5 \geq 50% of elements with a score of 5
- 4 \geq 50% of elements with a score of 4 to 5
- $\geq 50\%$ of elements with a score of 3 to 5 or 3 to 1
- $2 \ge 50\%$ of elements with a score of 2 to 1
- 1 \geq 50% of elements with a score of 1

If there is a tie in scores, then the higher score is assigned to the special feature polygon.

4.8 Conservation Priority

An overall conservation priority score for each special feature polygon was determined by evaluating the scores for the seven criteria. These reflect conservation principles regarding rarity, environmental significance, diversity, evolutionary significance, threat and current representation in protected areas. Criteria regarding rarity (ERank) and environmental significance (EnSig) are given higher weighting than other criteria in the overall evaluation.

The conservation priority score was determined as follows:

- 5 ERank or EnSig is "5" or at least four criteria have a score of "5"
- 4 ERank or EnSig is "4" or at least four criteria have a score of "4" to "5"
- 3 ERank or EnSig is "3" or at least four criteria have a score of "3" to "5"
- 2 at least four criteria have a score of "2" to "5"
- 1 satisfies none of the above criteria

Conservation priority scores for the polygons are provided in Table 2. Sections 4.1 and 4.2 provide an explanation of how Erank and EnSig scores were derived.

<u>All</u> special features identified merit some form of protection, however the conservation priority scores provide guidance on which are most critical to protect based on current information. Many special features with lower conservation priority scores occur in portions of Alberta which have not been subject to biophysical inventory. This lack of survey information results in special features in these more remote regions being under-represented or under-valued. For example, special features are widely scattered through north-central Alberta, and Margaret Lake in the Cameron Hills of far northern Alberta has only special bird elements currently reported, but other special elements are expected to occur there as well. Furthermore, some special elements are transitory and may not be recorded in a brief survey of an area in a particular year. For example, mountain plover and piping plover change nesting locations from year to year, and several years survey of potential nesting habitat may be required to determine all special element occurrences.

5.0 ENVIRONMENTAL INTEGRITY, LAND OWNERSHIP AND SUITABILITY AS A PROVINCIAL PROTECTED AREA

The environmental integrity and land ownership of each special feature was assessed to determine the feasibility of considering the site for provincial protected area designation.

5.1 Environmental Integrity

A special feature is considered to have maintained its environmental integrity if special elements are still intact and the site has a nearly complete complement of native species and is relatively free of exotic species and human-caused disturbance. Ideally, ecological processes are functioning within the range of natural variation (Noss 1995). At a minimum, assessment of environmental integrity requires analysis of air photos, a site visit or both. This has recently been done for some special features, however for the large majority it has not.

Integrity is assessed for the entire site and not solely for an individual element within the site. For example, if most of the native vegetation has been removed from a site, it would be assessed as not having environmental integrity, even though it may contain a special landform element that is in itself intact.

Special features were assessed regarding environmental integrity as follows:

- Yes (Y) Recent information (air photo analysis, site visit) indicates the site maintains its environmental integrity, therefore the site continues to be considered as a special feature.
- No (N) Recent information indicates the site has experienced human disturbed (e.g. by cultivation, logging or other industrial, commercial or residential developments), therefore the site is removed from consideration as a special feature unless restoration in the short term is determined to be likely.
- Unknown (U) There is no recent information available regarding the environmental integrity of the site, or information that is available is not detailed enough to ascertain environmental integrity. More work is required to determine environmental integrity.

5.2 Land Ownership

Provincial ownership of special features was verified by overlaying a map generated from GIS database files of land ownership by quarter section with special features polygons. Lands under private, municipal, or federal (including Indian Reserves) ownership are ineligible for consideration as provincial protected areas.

Special features were assessed with respect to land ownership as follows:

- Yes (Y) A site is entirely under provincial ownership, or enough of the site is under provincial ownership to adequately represent the special elements within the special feature, therefore the site could be considered for provincial protected area designation.
- No (N) A site is entirely or mostly under private, municipal or federal ownership therefore it is ineligible for provincial protected area designation.
- Unknown (U) The site is of mixed ownership and it is uncertain whether special elements within the special feature occur on provincial land, due to imprecision in the element occurrence record. More work is required to precisely determine locations of special elements.

5.3 Suitability for Provincial Protected Area Designation

Special features known to have environmental integrity and to be under provincial ownership are listed in Table 3. These special features are suitable for consideration as protected areas using provincial designation. Table 3 also provides the conservation priority score for each special feature and notes regarding any previous conservation recognition of the site (e.g. under a provincial protective notation (PNT), a provincial recreation area (PRA), a provincial bird or wildlife sanctuary). Some sites may involve expansion of currently protected areas. In addition, overlap of the special feature with a candidate Special Place (SPCAN) or a nominated Special Place (SPNOM) is noted. Although candidate Special Places have been chosen based on representative natural history themes, these areas also may include special elements.

Special features requiring further work to determine their suitability for consideration as protected areas under provincial legislation are listed in Table 4. The majority of these sites can be evaluated quickly using air photo analysis to determine environmental integrity. For some sites, field inventories may be required to determine if significant elements are on provincial land or if elements are still intact. Table 4 also provides the conservation priority score for each special feature and indicates previous conservation recognition of the site, including candidate Special Places. For some special features, other considerations regarding suitability for protected area designation are identified. For example, it may not be feasible to include some large special landform elements in protected areas (e.g. meteor impact crater, spillway channel, esker). As well, there may be other mechanisms more suited to protecting some special features, such as wildlife sanctuary designation and lake management plans for shorebird and waterfowl staging areas.

6.0 CONCLUSIONS AND FUTURE DIRECTIONS

This project has been designed to provide a scientific basis for identifying and evaluating special features in Alberta, recognizing that special features are an important part of Alberta's environmental diversity. Objectives of the project were threefold:

- To define a framework and process for identifying special features and evaluating their conservation status in Alberta.
- To identify special features on provincial land for consideration for inclusion in Alberta's protected areas network.
- To identify information gaps and uncertainties regarding special features that will need to be addressed as part of ongoing efforts to protect environmental diversity.

The project objectives have been met. Project results point to key conclusions and future directions related to the three objectives.

6.1 Framework and Process for Identifying and Evaluating Special Features

A framework and process for identifying special features and evaluating their conservation status in Alberta has been defined and initially applied as part of this project. We propose that

the framework and process be accepted by the Special Places Provincial Co-ordinating Committee for ongoing identification and evaluation of special features in Alberta.

The framework and process are based on current principles regarding conservation of environmental diversity. They are designed to use information contained in the Alberta Natural Heritage Information Centre and the Biodiversity/Species Observation Database and to draw on a broad network of expertise in Alberta's professional conservation community. We suggest that the framework and process continue to be used to identify and evaluate special features as new information becomes available and that they periodically be assessed and revised to ensure continued consistency with principles of conservation and relevance to protection of environmental diversity in Alberta.

6.2 Special Features Suitability for Provincial Protected Areas Designation

One hundred and forty-nine (149) special features are evaluated as including bio-physical resources suitable for inclusion in the provincial protected areas network. Consideration of these areas by the Special Places Provincial Coordinating Committee can proceed immediately.

Special features which occur on provincial land and are known to have environmental integrity are listed in Table 3 and shown on Map 2. Boundaries of special feature polygons shown on Map 2 are abstract approximations and will require refinement once protected area priorities are established. To assist decision-makers in establishing priorities for protected areas planning, an evaluation of conservation priority and notes regarding existing or proposed conservation designations also are provided (Table 3). There has been no screening of resource commitments on these sites as it was not part of preparing this report.

Two hundred and sixteen (216) special features require further work to confirm their suitability for inclusion in the provincial protected areas network.

Special features with some uncertainty about their environmental integrity or provincial ownership are listed in Table 4 and shown on Map 2. Also listed in Table 4 are special features with a mix of private and provincial ownership where cooperative conservation options may be considered. Some information needs, identified on Table 4, can be addressed quickly, for example through air photo interpretation, whereas others will require longer-term site investigations. Addressing these information needs in a timely and systematic manner will enable a more comprehensive approach to protected areas planning and help to ensure important aspects of Alberta's environmental diversity are not lost. Boundaries of special features polygons shown on Map 2 are abstract approximations and will require refinement once priorities are established. To assist decision-makers in establishing priorities for protected areas planning, an evaluation of conservation priority and notes regarding existing or proposed conservation designations also are provided (Table 4). There has been no screening of resource commitments on these sites as it was not part of preparing this report.

6.3 Information Needs Regarding Special Elements

Several information gaps and uncertainties regarding special elements have been identified. They will need to be addressed as part of ongoing efforts to inventory and protect the province's environmental diversity. Coordination through the Alberta Natural Heritage Information Centre and the Biodiversity/Species Observation Database, both within Alberta Environmental Protection, will continue.

Information gaps and uncertainties regarding special elements have been identified in Section 2.0 of this report. In summary they include:

- Completing review of existing information sources to identify elements of special conservation concern and recording occurrences in the ANHIC database. Element types needing particular attention are landforms, vegetation communities, vertebrates, invertebrates (e.g. butterflies, dragonflies, freshwater molluscs), non-vascular plants (e.g., liverworts, hornworts, lichens) and fungi.
- Field checking of element occurrence records which have imprecise location descriptions or for which the last documented siting was two or more decades ago and there is a likelihood that populations have been affected by disturbances or land use changes.
- Inventorying of protected areas, particularly sites recently added to the provincial protected areas network, as well as sites under reservation not addressed in this report, to identify, map and precisely describe occurrences of special elements.
- Identifying special element inventory needs outside of protected areas, particularly for northern Alberta where very few biophysical surveys have been completed. Innovative and efficient ways for obtaining inventories may be considered, including involvement of a variety of government agencies, private industries and non-government organizations.
- Encouraging research on the conservation biology of special elements including life histories of species, factors affecting survival, population dynamics within species, and genetic diversity within and among populations. This information is required to assess conservation significance and determine appropriate conservation approaches.
- Developing strategies and processes for monitoring the status of special elements, identifying and reviewing relevant information on special elements as it becomes available, and relating this information to management practices inside and outside of protected areas.

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8.0 GLOSSARY

alluvial fan – The fan-shaped deposit of sediment laid down by a swift-flowing stream as it enters a plain or an open valley.

biodiversity – The variety of genes, species and ecosystems on earth and the ecological processes of which they are a part.

centre of speciation – Area where species are originating at a relatively high rate.

coarse-filter approach – An approach to conservation of biodiversity which considers large ecosystems or landscape units.

delta – The fan-shaped alluvial feature formed at the mouth of a river, where more material is deposited than can be removed by currents.

differential erosion – The more rapid erosion of one portion of the earth's surface as compared with another.

dike – A vertical or highly inclined sheet of igneous rock formed when molten rock material from the interior of the earth has forced its way towards the surface through a cleft, or by melting a passage for itself, and has there cooled and solidified.

disjunct – A population of a species widely separated from other populations of that species.

ecological processes – Natural forces acting on geologic material and life forms within ecosystems. Ecological processes include drought, flood, erosion, deposition, soil disturbance, fire, photosynthesis, herbivory, predation and decomposition.

element – A component of environmental diversity. It may be defined at many different scales. An element may be a landform type, a vegetation community type or a species or subspecies of plant or animal.

element occurrence – A documented location of an element which is recorded in the Alberta Natural Heritage Information Centre.

element group – A grouping of similar elements, such as landforms, vegetation communities, plants or vertebrate animals.

endemic – Describes a biologic element that occurs in a small area and is thought to have evolved there.

environmental diversity - The variety of plants, animals and landforms on earth.

environmental (ecological) integrity – The quality of an area in which the complement of native species is nearly complete and exotic species are insignificant. Ideally, ecological processes function within the range of natural variation.

evolutionary capacity – The ability of a natural subregion to experience evolution based on an assessment of evolutionary pressures on organisms and current rates of evolution.

esker – A long, narrow ridge of sand and gravel which was once the bed of a stream flowing beneath or in the ice of a glacier, and was left behind when the ice melted.

fine-filter approach – An approach to conserving biodiversity which considers the needs of individual species.

focal species analysis – An approach to determining conservation needs by analysing the conservation requirements of one or several species considered of special conservation concern.

fragmentation – A process where large blocks of natural habitat are broken up into smaller and isolated pieces.

genetic divergence – The process of change in the genes of populations of the same species, such that over time they may be differentiated into separate species.

genetically distinct - Differentiated on the basis of gene (hereditary factor) characteristics.

geothermal – Relating to the heat of the earth's interior.

glacial moraine - The debris or fragments of rock material deposited by glaciers.

glaciotectonism –structural deformation of bedrock and/or drift masses as a direct result of glacierice movement or loading, without completely removing or destroying the rock or sediment beyond recognition.

ground moraine – Material deposited from a glacier on the ground surface over which the glacier has moved. The topography is usually flat or gently undulating.

hibernaculum – The place in which an animal or group of animals overwinter.

hummocky moraine – Area of strongly rolling topography, comprised of rounded hills and depressions, usually produced by the melting of stagnant glacial ice.

igneous activity – Formation of rock from a molten or partially molten state, as contrasted with sedimentation processes in rock formation.

isozyme analysis – An approach for recognizing differences among groups of organisms by analysing for variants of enzymes.

kame – A mound of gravel and sand which is formed by the deposition of sediment from a stream beneath a glacier.

karst – A type of topography that is formed in limestone, dolomite or gypsum by dissolving or solution.

lagoon – A shallow body of water which is partly or completely separated from the main water body by a narrow strip of land.

meltwater channel – A channel formed by the melting of glacial ice.

natural history themes – Categories for describing Alberta's environmental diversity used by the Alberta Special Places Program. Level 1 themes are broad landscape types within a natural subregion. Level 2 themes are broad habitat or vegetation types. Level 3 themes are specific landforms, plant communities or species.

outwash plain - A plain composed of material washed out from glaciers.

peat accumulation – Build-up of decaying vegetation (primarily mosses and sedges) in wetland areas.

peripheral population – A population that is near the limit of the species' distribution range.

permafrost – Permanently frozen ground or subsoil. The temperature in the material has remained below 0°C for more than two years.

special element - An element of special conservation concern defined using objective criteria including rarity, risk, outstanding characteristics and the agreement of specialists. Tracking lists of special elements in Alberta, are developed through a consultative process facilitated by the Alberta Natural Heritage Information Centre.

special element occurrence – The documented location of a special element which is recorded within the Alberta Natural Heritage Information Centre.

special feature - An area which includes the occurrence(s) of one or more special elements.

special feature polygon - The mapped area of a special feature showing approximate boundaries.

tracking list - ANHIC develops tracking lists of elements that are considered of high priority because they are rare or special in some way. Tracking lists serve as a focus for data gathering to increase our knowledge and understanding of the elements of Alberta's biodiversity.

Appendix 1a. Landform Element Occurrences of Special Conservation Concern: ≤ 5 Occurrences in Alberta.

<u>Site Name</u>	<u>Element Name</u>	Subelement
Airdrie Murdlins	Murdlins	
Andrew Lake	Stocks	
Black Butte	Stocks	
Burning Sulphur	Burning sulphur	
Cadomin Cave	Rock Labyrinths	
Cold Lake Baymouth Bars	Baymouth Bars	
Coliseum-Shunda Mountain	Rock Labyrinths	
Crowsnest Volcanics	Volcanic Rocks	
Del Bonita Uplands/Shanks Lake	Asymmetric Valleys	
Driedmeat Lake	Deltas	Unilobate
Eagle Butte Impact Structure	Impact Structures	
Hot Pot	Burning gas	
LaCrete Sand Hills	Dune Ridges	Lacadena Ridge
Leland Lake/Tulip Lake	Plutons	
Lost River	Honeycomb Weathering	
	Volcanic Rocks	
MaButte		
Mackay River Palsa	Palsa Bogs	
Middle Sand Hills	Dune Ridges	Dune-Track Ridge
Moose Mountain	Ice Caves	Cold Zone
Newman volcanics	Volcanic Rocks	
Pekisko	Crag-and-Tail	
Pincher Creek South	Volcanic Rocks	
Plateau Mountain Ecological Reserve Extension	Biscuit Board Topography	•
Ptolemy Creek	Ice Caves Ice Caves	Cold Trap Relict Permafrost
Ptolemy Creek Ptolemy Creek	Ice Caves	Cold Zone
Ptolemy Creek	Ice Caves	Perennial
Ptolemy Creek	Ice Caves	Perennial
Ptolemy Creek	Ice Caves	Perennial
Ram River Falls/Canyon	Plunge Pool Lakes	
Richardson River	Dune Ridges	Lake Claire Ridge
Richardson River	Dune Ridges	Cree Lake Ridge
Ronald Lake Sandhills	Dune Ridges	Lake Claire Ridge
St. Agnes	Crag-and-Tail	
Whitemud Falls Ecological Reserve Extension	Stacks	
Wolverine River Sand Hills	Dune Ridges	Lacadena Ridge
Ya Ha Tinda	Rock Labyrinths	

<u>Site Name</u>	<u>Element Name</u>	<u>Subelement</u>	Description
Algar Bog	Wooded Bogs with Internal Lawns	Flat Bog	A large and diverse peatland of provincial significance.
Alice Creek	Non-Patterned Fens with Internal Lawns	Horizontal Fen	A good sized, 300 sq. km., non-patterned open horizontal fen Channel fens are very well developed and extensive.
Alice Creek	Non Patterned Fens without Internal Lawns	Channel Fen	A good sized, 300 sq km, non-patterned open horizontal fen Channel fens are very well developed and extensive.
Andrew Lake	Fault-line Scarps		Area has excellent examples of fault-line scarps. They occur along a major fault which transects the rock strike in a NNW to NW direction.
Andrew Lake	Raised Beaches		Area has an excellent series of raised beaches that mark the former shorelines of Andrew Lake.
Athabasca Flutings	Flutings	Giant	Excellent examples of giant flutings and remnant ridges formed subglacially under hydrostatic pressure. They have a N-S orientation. Produced by the Livingstone Lake flow event. The flute field is about 15 km wide.
Audet Lake Patterned Fens	Patterned Fens	Northern Ribbed Fen	An excellent example of a northern ribbed fen. Patterning extends over 5 to 6 sq. km. of peatland NE of Audet Lake.
Bain Bluff	Earth Slides		A good example of an earth slide along a southern Alberta river. It has multiple retrogressive failures that probably originated from lateral basal erosion by the river. The slide is about 2.5 sq. km. in area.
Bear River Sandhills	Dunes	Parabolic	Classical examples of parabolic and dome dunes. Presently inactive. Highest dunes are commonly 10 to 11m above the surrounding surface. Dune field covers about 7700 ha.
Beavermines Valley	Valleys	V-Shaped	A good example of a v-shaped valley located within an earlier-formed u-shaped valley. The junction of the v-shaped and u-shaped valleys is usually marked by a waterfall, in this case, Castle Falls. The waterfall marks a former position of the glacial ice in the u-shaped valley.
Big Sagebrush	Patterned Ground		Good examples of patterned ground.
Bistcho Lake Peat Plateaux	Peat Plateaux	h ga da ga da sa sa sa da sa da sa	Excellent example of peat plateaux in the Boreal Subarctic. A large peatland covering 3750 sq. km.
Black Mountain	Hogbacks	gen gen og som forskanskanskanskanskanskanskanskanskanskan	Rugged hogsback ridges of national significance.
Blackfoot Reserve	Megablocks		One of the most important known megablocks in Alberta due to its large size and surface exposure. The block is at least 10 sq. km. in area and has been correlated to bedrock outcrops found 250 km to the north. It has an approximate thickness of 10m.
Bourque Lake Tunnel Lake	Glacial Tunnel Lakes	n dh' ghur a bha a bhann ann an an ann ann ann ann ann ann a	A good example of a glacial tunnel lake.
Brazeau Tufa	Tufa Depositing Springs	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	A good example of a tufa-depositing hillside spring. Tufa is still actively mineralizing out of the spring water and being deposited on the bottom of the stream bed.
Brule Lake	Dunes .	Parabolic	An excellent example of montane sand dunes and sandhills in Alberta. Has active and stablized dunes. The dunes forms here are derived from wind deposition and erosion of sand originating on the floodplain of the Athabasca River. Aeolian material is strongly calcareous.
Buffalo Lake	Moraine Plateaux	NA KU MUNUMUNUMUNUMUNUMUNUMUNUMUNUMUNUMUNUMU	The highest moraine plateau in the area. It is about 45m above the surrounding landscape.
Cadomin Cave	Karst Caves	Joint	A cave with a length of about 2500m and a depth of about 220m. An important bat hibernacula.
Calahoo Creek Warm Springs	Warm Springs		A good example of a warm spring (temperature of 14 C). Spring has a flow rate of about 3.8 litres/sec.
Cameron Hills	Flutings	Giant	Area has the largest glacial flutings known in Canada. Their long-axial orientation reflect ice flows from a NE source or sources plus localized divergences and convergences around major uplands.

Appendix 1b. <u>Landform Element Occurrences of Special Conservation Concern:</u> Outstanding Occurrences.

<u>Site Name</u>	Element Name	<u>Subelement</u>	Description
Canmore Corridor/Lac des Arcs	Fluviatile Lakes	Alluvial Fan Dammed	Lac des Arcs was formed by the coalescing of two alluvial fans on opposite sides of the river, which created a damming effect on the flow of water.
Chappice Lake	Drift Basins	Saline/Alkaline Lake	A permanent hypersaline lake in a region of the province where naturally occurring, permanent wetlands are rare. Has extensive saline springs/seepages in excellent condition.
Charles Lake	Tectonic Lake Basins	Fault Lake	Charles Lake is an outstanding example of a structurally controlled waterbody. It follows a major fault structure, the Allan Fault, for about 40 km.
Chelsea Creek Flutings	Flutings	n en	Area has some of the best examples in Canada of glacial flutings formed by retreating glaciers.
Cherry Point Earth Flows	Earth Flows		A good example of an earthflow. The appearance of the cavity and debris apron suggest that after a possible initial rotational slip on the bank face, the surficial lacustrine clay was remoulded to the consistency of a thick porridge. It then flowed through a narrow bottleneck in the upper valley wall and down the bank to form a spoil pile.
Clear Hills	Iron Depositing Springs Patterned Fens	Northern Ribbed Fen	A nationally significant iron oxide spring (47.5% mineral content). The outlet and surrounding area are rust-red from the iron deposits which form either a soft mass or miniature dams and pools that resemble rimstone. The water temperature is cold (2.3 C). A large northern ribbed fen. The area also has a number of
	Tatterned Fens		'peat mounds' which may be an early stage to peat plateau or palsa development. The density and diversity of the mounds here is unparalleled elsewhere in Alberta.
Clearwater Patterned Fen	Patterned Fens	Spring Fen	A unique saline patterned fen along the Clearwater River.
Coal Lake	Glacial Tunnel Lakes		Good example of a glacial tunnel lake. It lies in the Gwynne subglacial meltwater channel. This channel is dotted with a number of shallow lakes which have formed as a result of the low gradient and variation in thickness of the alluvial fill.
Cold Lake	Ice Scour Lakes		The deepest ice-scour lake in Alberta.
Coliseum-Shunda Mountain	Non-Patterned Fens without Internal Lawns	Spring Fen	An excellent example of a spring fen.
Crowsnest Mountain	Klippes		A striking example of a klippe where the Lewis Thrust carried Palaeozoic limestones over much younger sandstones and shales of Cretaceous age. It was cut off from the main range by erosion in the Allison Creek valley.
Crowsnest River	Rock Falls		A massive rockfall failure that originated in steeply dipping and folded limestone beds. It had a volume of 37,000,000 cubic metres and ranks among the world's largest. The rockfall contains huge boulders ranging up to 15m in diameter.
Crowsnest River	River Terraces		Excellent examples of gravel river terraces (well preserved). There are several levels of these terraces along the Crowsnest River.
Crowsnest River	Sulphur Depositing/Odor Springs		An excellent example of a karst spring containing concentrations of sulphur. The spring has a flow rate of about 7.6 litres/sec. Sulphur bacteria are present. The suspended sulphur gives the springwater a milky appearance.
Cypress Hills	Erosional Remnants		The highest plateau on the plains of western Canada. It encompasses about 2600 sq. km. of nearly level plateau. Paleosols occur there. Also excellent examples of Tertiary conglomerates. About 210 sq. km. of the hills projected above the ice sheet as a nunatak, one of the best documented.
Del Bonita Uplands/Shanks Lake	Erosional Remnants		An exceptional area that was unglaciated by both Cordilleran and Laurentide ice. The area is capped by a thick covering of preglacial sands and coarse quartzitic gravels deposited after the Laurentide Orogeny. These gravels served as an "armor plating" for the softer, underlying sediments and protected the area from being eroded and removed from the landscape.
Del Bonita Uplands/Shanks Lake	Ice Wedge Casts		Area contains excellent examples of ice wedge casts which are relict periglacial features. The largest ones are up to 2- 3m wide and more than 3m deep.

Site Name	<u>Element Name</u>	<u>Subelement</u>	<u>Description</u>
Devil's Head Klippe	Klippes		A good example of a klippe formed as a result of a Middle Cambrian Eldon Formation being thrust over an Upper Devonian Fairholme Group in the Front Ranges of the Rock Mountains.
Driedmeat Lake	Meltwater Channels	Subglacial	An excellent example of a subglacial meltwater channel. The channel averages about 1 km in width and contains steeply sloped banks as high as 46m. Now occupied by a chain of lakes: Ord, Coal, and Saunders.
Driftwood Bend Megablock	Megablocks .		One of the largest megablocks yet discovered in Alberta. It covers at least 10 sq. km. It is over 10m thick and extends for more than 1.5 km along the Oldman River, where it outcrops.
Drumheller Badlands	Badlands		One of the best badland areas in Alberta. Many badland features including minature pediments and fans, rills, gullies veneered terraces, hoodoos, buttes and mesas, knife edge divides, rounded interfluves and soil erosion features. Pipin is also common. Has outerops of the Upper Cretaecous Horseshoe Canyon Formation.
Dune Point	River Terraces		Area contains classic examples of terrace succession and other features characteristic of a meandering river channel. River terraces are massive and have a complex geomorphology. Terraces are the largest in southern Alberta.
Dune Point	Salt Depositing Springs		Area contains some of the most diverse saline and alkali springs in Alberta.
Edgerton Dunes	Dune Ridges	North Battleford Ridge	Has good examples of the North Battleford type of dune ridge. The ridges are quite long and aligned parallel to each other. The dune field covers about 130 sq. km.
Edgerton Dunes	Non-Patterned Fens without Internal Lawns	Stream Fen	An excellent example of a stream fen in a sand plain/dune area. Good condition.
Edgerton Landslide	Rock Slides		One of three contigious translational slides with a volume of 350,000 cubic metres. The slide evolved from a rapid rockslide to a slow earthflow slide, the first description of such a transition in Canada.
Ells River Incised Meanders	River Meanders	Incised	The Ells River has excellent examples of well developed and deeply incised meanders.
Fairview Marl Lake	Marl Lakes		Excellent example of a marl lake and wetland complex.
Forgetmenot Mountain Forgetmenot Mountain Forgetmenot Mountain	Karst Caves Felsenmeer Patterned Ground	Joint	The deepest known cave in Alberta. Good examples of felsenmeer on Forget-Me-Not Mountain. Good examples of stone stripes and polygons on the summit of Forget-me-not Mountain.
Fort Hills	Kames	Kame Delta	An excellent example of a large (65 sq. km.) kame delta complex. The complex comprises the Fort Hills.
Fort Hills	Patterned Fens	Northern Ribbed Fen	Two fens surrounding McClelland lake, one to the SW and the other to the E of the lake have the most prominent string and flark pattern in the province.
Fort Smith (Slave River Rapids)	Kapids		One of the premiere set of rapids in Canada. There is a 35m drop over a distance of 27 km. The scenic red granite of the rocks here mark the western margin of the Canadian Shield.
Fort Vermilion Sandhills	Dunes	Transverse	This area has a greater variety and morphology of dune forms than in any other dune occurrence in Canada. Three sets of transverse dunes occur. Dune field covers about 610 sq. km.
Front Canyons	Hanging Valleys		A scenic hanging valley with about 300m of elevational drop.
Ft. Chipewyan	Raised Beaches		An excellent example of raised beaches from former Glacial Lake McConnell. They occur at elevations considerably higher than the current level of Lake Athabasca.
Glenwood Erratic	Erratics		A large, glacial erratic rock measuring 7 x 9 metres in size. It is made of quartzite. This erratic is part of the Foothills Erratics Train that has rocks originating from the Jasper area
Grassi Lake	Rock-Shelters		Good examples of rock-shelters. Cliffs in the area are remnants of Devonian reefs that are 'riddled' with caves.

Site Name	Element Name	<u>Subelement</u>	Description
Grassi Lake	Disappearing Streams		The stream flowing through the area vanishes into a subterranean channel, only to reappear with greatly increased flow.
Grassy Mountain Crowsnest	Flatirons		Good examples of flatirons in massive limestone.
Hand Hills	Erosional Remnants		An excellent example of an erosional remnant. It is covered with Tertiary conglomerate and gravels, a rare geological feature. It is an ancient plateau that now rises 225m above the surrounding prairie.
ławk Hills Slope Fens	Non-Patterned Fens without Internal Lawns	Slope Fen	An excellent example of a slope fen.
lay Lake Thermokarsı Lake	Thermokarst Lakes		Excellent examples of thermokarst ponds.
Hell's Gate Water Gap	Water Gaps		A good example of a water gap created by the erosive action of the Smoky and Sulphur River. Vertical 'canyon' walls of bedrock and conglomerates occur at the site.
Horseshoe Lake	Drift Basins	Saline/Alkaline Lake	An excellent example of a hypersaline lake. Large areas of the basin dry up during severe droughts.
ndian Cabins Peat Plateaux	Peat Plateaux		Excellent example of peat plateaux. The peatland has extensive collapse scar development.
sland Lake	Drift Basins	Holm Lake	Lake has several large and numerous smaller islands, an excellent example of a holm lake.
Jacknife Springs	Tufa Depositing Springs		The spring has a large travertine mound about 3m high and 30m in diameter. It is capped by a twin bathtub-like structure.
Kakwa North	Warm Springs		A good example of a warm spring. It has a temperature of 9 C.
Kakwa North	Patterned Ground		Excellent example of stone stripes, circles, and boulderfields at an elevation greater than 1800m.
Kilini Creek	Patterned Fens	Spring Fen	Good example of a spring fen. Springs are calcareous.
Kinsella Tufa and Ice-walled Channel Kinsella Tufa and Ice-walled Channel	Meltwater Channels Tufa Depositing Springs	Ice-walled	Area contains an excellent example of an ice-walled meltwater channel. Site has one of the few examples of dome springs with tufa deposits in the east-central part of Alberta.
Kipp Megablock	Megablocks	una una una constructiva de la construcción de la construcción de la construcción de la construcción de la cons	A well exposed glacial megablock and geological type section. It is visible for about 1.5 km along the Oldman River, where it outeropa.
Kipp Megablock	Aligned Coulees		An excellent example of well-developed aligned coulees. Marked parallelism and the tendency to occur on windward valley walls are well displayed here.
Kleskun Hills	Erosional Remnants		A good example of an erosional remnant that has some badland characteristics. Bedrock of the Cretaceous Wapiti Formation is exposed here.
LaCrete Sand Hills	Dunes .	Transverse	An important area for transverse dunes. Dune area covers about 65 sq. km.
Lake Athabasca South Shore	Beaches	ander het fan de fan	This area has the longest beach in Alberta, extending along the south shore of Lake Athabasca.
Landslide Lake	Landslide Lakes		A good example of a lake formed as a result of a landslide in the Front Ranges of the Rocky Mountains.
Leland Lake/Tulip Lake	Tectonic Lake Basins	Fault Lake	A good example of a fault lake. The intriguing shape of Tulip Lake is believed to be the consequence of the combination of NNE foliation and an east-trending system of fractures.
Lesser Slave Lake Provincial Park Extension	Aeolian Beach Ridges	illen og for for for en	Area has some of the best aeolian beach ridges in Alberta, however, some are highly disturbed by wellsites and cutline
Little Smoky Landslide	Rock Slides		A large (18,000,000 cubic metres) and relatively recent (1958) active slide. At intervals of the order of decades, sufficient subsidence and translation occur in front of the backscarp to permit a new block to fail by slow settlement and the scar to retrogress.
Livingstone Gap	Water Gaps	***************************************	A spectacular water gap in which the Oldman River flows through a narrow incision in the Livingstone Range

<u>Site Name</u>	<u>Element Name</u>	<u>Subelement</u>	Description
Lloydminster Crevasse Fillings	Crevasse Fillings		Area contains excellent examples of crevasse fillings (also termed linear disintegration ridges). The ridges vary in size but can range up to 7m in height, 90m wide and several kilometres in length. There are two sets of ridges that intersect at acute or right angles, thus forming a waffle, diamond or box pattern.
Lonepine Creek Dendritic Eskers	Eskers		This area has some of the best examples of tributary esker ridges having a dendritic pattern. The dendritic pattern is believed to be relatively uncommon in Alberta.
Lost River	Drumlins		Area contains good examples of drumlins and drumlinoid ridges. Classic drumlins range to 15m in height and are composed entirely of gravel and sand.
Lousana Canyon	Gorges/Canyons		Part of the deepest (90 to 150 m) canyon along the Red Deer River. Has outcrops of the Upper Cretaceous Horseshoe Canyon and Tertiary Paskapoo Formations. Also has excellent examples of slope failure and slump features including perched wetlands.
Lower Red Deer River	Badlands	Quality in the second	Contains the largest and most spectacular area of badlands in Canada. Numerous badland features including pipes, tunnels, sinkholes, caves, dry valleys, buttes, mesas, natural bridges, disappearing streams, ephemeral stream terraces, channels, ephemeral waterfalls, hoodoos, pediments, fluvial fans and aprons.
Lower Red Deer River	Alluvial Fans	Coalescing	A good example of a coalescing fan. At least ten, clearly identifiable, fine grained alluvial fans have coalesced forming a bajada across the site. The surface of the bajada is covered by a distributary, semi-radial pattern of braided streams.
Mackay River Incised Meanders	River Meanders	Incised	The lower Mackay River has some of the best, deeply incised meanders in Alberta.
Many Island Lake	Playa Lakes		A large playa lake with extensive marshes in wetter years.
Manyberries Creek Badlands	Sandstone Dikes	۰ ۱۳۹۹ - Charles Control	Good examples of sandstone dikes occurring in the Oldman and Bearpaw Formations.
Margaret Lake	Veneer Bogs	narana na kata	Excellent examples of veneer bogs.
Marten Mountain Ribbed Fen	Patterned Fens	Northern Ribbed Fen	A large and excellent example of a northern ribbed fen.
McLelland Lake Sinkholes	Dolines	Collapse	Area has excellent examples (12) of collapse dolines. The dolines are circular and deep.
McLennan Sloping Fens	Non-Patterned Fens without Internal Lawns	Slope Fen	Good example of a slope fen. It is comprised mainly of sphagnum peats and to a lesser extent, sedge peats. Small, more or less circular mounds of glaciolacustrine materials are scattered throughout the wetlands.
Middle Sand Hills	Dunes	Parabolic	Area contains one of the largest and most diverse blocks of mixed grassland and sand dunes remaining in Canada.
Middle Sand Hills	Gorges/Canyons		Excellent examples of parabolic dunes. One of the premiere wild river sections in the Grassland Region of Canada. One of two deep canyons in the mixed grassland of Canada.
Mikkwa River Wooded Bog	Wooded Bogs without Internal Lawns	Northern Plateau Bog	Peatland has excellent examples of northern plateau bogs. Peatland is large (375 sq. km.) and situated on an elevated plateau. In addition, channel fens are very well developed and extensive.
Milk River Valley - Pinhorn	Badlands		An exceptional area that contains a diversity of badland features (e.g., sandstone outcrops and concretions, solitary buttes, clay flats, narrow ravines, gullies, piping features, etc.). There are outcrops of Comrey sandstone of the Oldman Formation plus outcrops from the Foremost Formation of Upper Cretaceous age.
Milk River Valley - Pinhorn	Gorges/Canyons		A spectacular canyon in the grasslands of Alberta. It is over 120m deep and 1.5 km wide in places and is incised in bedrock. The Oldman and Foremost Formations are exposed along the valley sides. The canyon served as a major spillway during the last deglaciation.
Milk River Valley - Pinhorn	Neck Cutoffs		There are excellent examples of neck cutoffs in the Milk River valley that have been created by the erosive action of the Milk River.
Milk River Valley - Pinhorn	Bar-and-Swale Topography		Good examples of bar-and-swale topography occur in the Milk River valley.

<u>Site Name</u>	<u>Element Name</u>	<u>Subelement</u>	Description
Milk River Valley - Pinhorn	Pipes and Related Phenomena		The MIIk River badiands contain spectacular examples of piping phenomena, some of the best in Canada. Piping phenomena can be observed over an area of about 260 sq. km. Piping produces a spectacular display of disappearin streams, dry valleys, sinkholes, blind and hanging valleys, waterfails, natural bridges, residual hills and caves.
Mokowan Butte	Erosional Remnants		Mokowan Butte is the only place in Alberta that provides record of early Quaternary cordilleran glaciation. It has th most complete and best preserved stratigraphy of the Kennedy Drift, containing evidence for at least six glacial and six interglacial episodes. The site contains rare pre- Wisconsin paleosols. The Butte is part of the preglacial Flaxville Plain, of Pliocene age, the oldest and highest ben The area was unglaciated during the Wisconsin period.
Montaganeuse River Earth Slide	Earth Slides		A massive slide (1300m long, 1400m wide, 80m thick). It had a volume of 76,000,000 cubic metres. As of 1996 it w the largest historic rapid landslide on the Interior Plains of Canada For a period of time it dammed the Montagneus River, stopping its flow, and formed a reservoir 1.5 km lor
Moose Mountain Moose Mountain	Anticlinal Mountains Patterned Ground		A good example of an anticlinal mountain. The center of dome has been eroded down to the Mississippian Rundle Group. Excellent examples of patterned ground features, including solifluction lobes, terracettes, sorted circles, nets and strip
			sonnaction topes, terracettes, sorted encies, nets and simple
Moose Point	Moraine	de Geer	Excellent example of a de Geer moraine.
Morley Drumlins	Drumlins		Reputed to be the largest drumlin field in Alberta. Individual drumlins range from 70m to a kilometer in length, from 10 to 50m wide and from 5 to 23m high. Th consist of Cordilleran till. Some of the more irregular rid are bedrock cored.
Mud Butte	Hill-hole Pairs		This area probably has North America's largest and best exposed site of glaciotectonic deformation. Mud Buttes is prominent ice-thrust ridge, rising about 100 m above surrounding land. It is comprised of a compact group of I hills about 2 km long and 800 m wide.
Mudspring Lake Soapholes	Soapholes		One of the largest concentration of soapholes in the grassland/parkland region of Alberta. Soapholes occur in and around Mudspring Lake.
Muriel Lake hill/hole pair	Hill-hole Pairs		One of the largest thrust hills in the Sand River area. It eovers an area of 140 sq. km. In places, the hills exceed 100m in height. The source depression is partially filled by Muriel and Sinking Lakes.
Muskeg Mountain Channel Fens	Non-Patterned Fens without Internal Lawns	Channel Fen	Peatland has extensive well developed channel fens.
Muskeg River Bog	Wooded Bogs with Internal Lawns	Northern Plateau Bog	A good example of a northern plateau bog. One of the m southerly plateau bogs with evidence of collapse scar formation.
Neutral Hills	Hill-hole Pairs		A large ridge comprised of upthrusted glacially contorted bedrock that rises 150m above the surrounding landscape and extends along an east-west axis into Saskatchewan. This feature forms a classical large hill-hole pair. The source depression is located NE of the Hills, immediately glacier of the thrust mass.
Okotoks Erratic	Erratics		One of the largest glacial erratics in North America and th largest known surface erratic in the world (excluding buri or partially buried megablocks). It weighs about 18,000 tons. Its original dimensions were 9m tall, 18m wide and 41m long.
Oldman River Oldman River	Aligned Coulees Reverse Faults		One of the few major high angle thrust faults on the plains Site has a series of imbricate thrusts.
Oliva Lake	Drift Basins	Saline/Alkaline Lake	Oliva Lake is 2 to 3 times more saline than sea water; the lakeshore is encrusted with salt.
Oliva Lake	Meltwater Channels	Ice-walled	Area contains an excellent example of an ice-walled meltwater channel.

Site Name	<u>Element Name</u>	<u>Subelement</u>	Description
Pakan Bog Iron Springs	Iron Depositing Springs		Site has a sizable deposit of ochre (about 0.5 ha and 20 cm in depth).
Pakowki Dunes	Blowouts		The sand hills have excellent examples of blowouts.
Pakowki Lake	Playa Lakes		A large playa lake. It is part of the Pakowki Lake Endoreic Basin, a small pocket of interior drainage with no outlet north of the Milk River Ridge.
Ptkisku	Hugbacks		A good example of hogbacks composed of Belly River Formation.
Pekisko	Pitted Deltas		A good example of a pitted delta of late Pleistocene age. The pitted surface of the gravel delta is due to the proximity of the glacier snout and the burial of ice during deposition into Glacial Lake Highwood.
Pekisko	Cuestas		A good example of cuestas in the foothills of Alberta.
Pelican Lake Wetland	Wooded Bogs with Internal Lawns	Northern Plateau Bog	Good examples of northern plateau bogs within an extensive area of peatland between the Athabasca River and Pelican Lake.
Plateau Mountain Ecological Reserve Extension	Limestone Pavement		A good example of limestone pavement at an elevation of 2100m. A rare feature in the Alberta Rockies.
Porcupine Hills	Erosional Remnants		An excellent example of an erosional remnant, parts of which were unglaciated. It is about 90 km long and 27 km wide. The hills are "outliers" on the western edge of the plains that differ notably in geological structure from the neighbouring foothills in that they are underlain by gently eastward- dipping sandstone and shale beds of late Cretaceous age.
Prince's Springs	Salt Depositing Springs	daul na analan na ana an	The permanent springs here are among the largest in the grasslands of Alberta.
Ptolemy Creek	Karst Springs		One of the largest karst springs in Alberta. It has a flow of about 2120 litres/second and is classified as a mature spring (i.e., where waters discharge from a well-formed cave that may be of enterable dimensions and which is located at or close to the elevation of a valley floor). This is the only unequivocal example of a mature spring known in the Canadian Rockies.
Ptolemy Creek	Karst Caves	Joint	The cave system is the second longest in Canada at over 12,798m. It has six entrances. The cave has many pitches and frequent constrictions. There are more pitches in this cave than any other Canadian cave.
Ptolemy Creek	Marl Lakes		An important marl wetland in the Municipality of Crowsnest Pass.
Ptolemy Creek	Frost Pockets		A good example of a frost pocket cave. It has one entrance and a length of 21m.
Ptolemy Creek	Speleothems		The cave has good examples of speleothems, such as 'cave pearls'.
Ptolemy Creek	Anticlinal Valleys		A good example of an anticlinal valley. Allison Creek flows along the strike of the breached Allison Anticline.
Ptolemy Creek	Dolines	Solution	The doline in this area is large in size. It is backed by a small cliff.
Ptolemy Creek	Fluviatile Lakes	Alluvial Fan Dammed	A good example of an alluvial fan dammed lake.
Ram River Falls/Canyon	Waterfalls	Sang Sang Sang Sang Sang Sang Sang Sang	A striking waterfall with a drop of about 25m. Water flows over a resistant sandstone bed within the Upper Cretaceous Cardium Formation.
Kam River Falls/Canyon	Gorges/Canyons		A deeply incised gorge or 'canyon' of the Ram River with numerous rapids and waterfalls. Numerous waterfalls tumble off the 150 to 300m canyon walls into the river.
Ratsnest Cave	Speleothems		Site contains extensive and relatively undisturbed
Ratsnest Cave	Karst Caves	Bedding	speleothems. Canada's 8th longest cave (just over 4 km long). It is the warmest cave in the Rockies at 5 C year round. It has extensive development of a fault-guided bedding plane fissure.
Reflex Lake/Salt Springs	Salt Depositing Springs		Site has one of the most diverse and complex saline spring ecosystems in Alberta. Associated with the main springs are marl or tufa deposits which are considered rare in the region.
Richardson River	Dunes	Parabolic	Area contains excellent examples of parabolic dunes in the largest single uninterrupted dune field in Canada. The parabolic dunes are asymmetrical with their left, SW wings shorter.

<u>Site Name</u>	<u>Element Name</u>	<u>Subelement</u>	Description
ichardson/Marguerite Rivers bissected Kame	Kames	Kame Moraine	An excellent example of deeply dissected kame moraine in Alberta. Area has high, well-drained ridges, some of which are covered with a pebble "pavement".
onald Lake Sandhills	Dunes	Parabolic	Area has excellent examples of parabolic dunes . Dune fiel covers about 655 sq. km.
tycroft Earth Slide	Earth Slides		A spectacular example of an earth slide. It had a volume o 39,000,000 cubic metres. One of the largest landslides in Alberta It dammed the Saddle River for a period of time
and Point	Spits	n en genergennen genergen er en som en	One of the longest sand spits in Alberta. It juts 3 km into Lake Athabasca.
hunda Water Gap	Water Gaps	ана на полни на на полни на п	A spectacular Grand-Canyon-style canyon occurs where the North Saskatchewan River crosses the Brazeau Range. Th river is antecedent, i.e. it was present before the mountains were and eroded through them during uplift of the range, thus producing a true canyon, not merely a gorge.
Slave River Islands	River Islands	Bedrock Island	An excellent example of a bedrock island within the Slave River.
Smoke Lake	Marl Bogs		A good example of a marl bog (has mixed marl and tufa deposits).
St. Mary River Incised Meanders	River Meanders	Incised	Excellent examples of meanders that have been incised (about 45m) into the sandstone bedrock.
Sturgeon River Delta	Deltas	Stable Channel-Mouth Bar	A good example of a stable channel-mouth bar delta (also termed a birdsfoot delta).
Suffield South	Neck Cutoffs		The site has a classic meander cutoff.
Sundance Hoodoos	Hoodoos		Contains some of the most unique hoodoo formations in Alberta.
Sweetgrass Hills East	Dikes		One of the best examples of an igneous intrusive dike in Alberta, a rare feature for the province.
Thistle Creek-Brazeau Bluehole Springs	Blue-hole Springs		Excellent example of a blue-hole spring. Site also has calcareous tufa and salt deposits.
Thunder Lake Eskers	Eskers		The largest esker and kettle lake complex so far documente in Alberta (1984). It can be traced more than 14 km along the Brazeau River valley. In places it is more than 2 km wide. Consists of steep-sided ridges of coarse gravel with a sand and fine gravel matrix.
Upper Oldman Rock Cut Terraces	River Terraces	Rock-cut Terrace	Area contains some of the best examples of rock-cut terrace in Alberta. A thin lag of gravel overlies the terraces.
Verdigris Coulee	Overflow Channels		One of the best examples that illustrates the classic form of glacial spillway.
Vermilion Chutes	Rapids		Large set of rapids where the river abruptly drops 7m in elevation.
Wapiabi Cave	Karst Caves	Bedding	This cave features some of the finest phreatic passages in Alberta. It has one entrance with 540m of tunnel. The cave has examples of speleothems (soda straws, stalactites and stalagmites).
Wappau Lake	Patterned Fens	Net Fen	An excellent example of a net fen. Area also has excellent examples of channel fens.
West Castle	Patterned Ground	ann an	Good examples of patterned ground.
West Castle West Castle	Paternoster Lakes Iron Depositing Springs		Good examples of paternoster lakes. An important area for spring deposits. The Peigans have harvested their sacred paint from this area.
Whiskey Gap	Eroșional Remnants		This area has the only exposure of the No. 3 bench pre- glacial erosional surface in Alberta.
Whitefish Lake Rubble Terrain	Ice-Thrust Moraine	nenenna men en berkenen behande site in ter het het het sterren het het en benede d	The best example of ice-thrust moraine in Alberta.
Wildhorse #1	Eskers		The largest and best developed esker in this region of Alberta. It is over 19 km long and in places rises 15m abov the surrounding prairie level. It is over 1.5 km wide for a considerable part of its length.
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<u>Site Name</u>	<u>Element Name</u>	<u>Subelement</u>	Description
Willow Creek	Meltwater Channels	Subglacial	An excellent example of a subglacial meltwater channel perched on the side of a hillslope. The channel is large and steep-sided and has massive sandstone outcrops. The channel had a convex-up shape.
Wolf Lake	Hill-hole Pairs		Wolf Lake and Wolf Hill in combination represent a large hill-hole in a complex setting, probably the best example of this feature in Alberta. The boundaries of the ice-scooped depression are essentially tear faults along which material from Wolf Lake basin was shoved into Wolf Hill. The hill covers about 42 sq. km. and is about 135m high.
Ya Ha Tinda Ya Ha Tinda	Patterned Ground Waterfalls		A large, diverse area of patterned ground features. Spectacular falls that cascades over rock ledges and dropping in two stages; the upper stage rather short and the lower stage much deeper.
Zama City Patterned Fen	Patterned Fens	Net Fen	Good example of a net fen. Has numerous small ponds and pools of water throughout the peatland.
Zama Lakes	Levee Dammed Lakes		Best example of levee-dammed lakes in Alberta.

Appendix 1c. <u>La</u>	Appendix 1c. <u>Landform Elements: Definitions.</u>	s: Definitions.	
Lardform Element	<u>Subelement</u>	<u>Genesis</u>	Definition
Acolian beach ridge		Lake wavss & currents	A low, essentially continuous mound of beach and dune material heaped up by the action of waves and currents in conunction with wind on the backshort of a beach beyond the present limit of storm waves, and occurring singly or as ore of a series of approximately parallel deposits. The ridges car represent former positions of a shoreline (A.G.I. 1984; Smith 1998,
Al gned coulee		Wind	Coulees generally located along the windward side of stream and river valleys, and that are aligned paralel with the prevailing winds. The mean trend of such coulees in parts of southern Alberta is 70E east of north, the direction of the strongest and nost persistent winds. Most coulees are located on valley walls with a southwesterly, or windward, exposure (i.e., facing west). Aligned coulees are restricted geographically in Alberta to the majorstream valleys that are found from Lethbridge to the mountains (e.g., Oldman, St. Mary, Belly, Castle) (Beaty 1975). Campbell (1977/1958) suspects that these coulees are structurally-controlled water channels, however, the exact mechanisms responsible for coulee alignment remain poorly documented (Lemmen et al. 1997).
Aluvial fan	Coalescing fan	Running vater	An alluvid plain formed as a result of lateral growth of adjacent alluvial fans until they finally coalesce to form a continuous inclined deposit, particulary along a mountain front. These fans, also called "bajadas", have an undulating claracter due to the convexifies of the conponent fans (A.G.I. 1584; Campbell 1997/1998; Parker 1997).
Articlinal mountain		Movements of the earth's crust	A mountain formed by convex flexure of bedrock strata (Parker 1997).
Articlinal valley		Movements of the earth's crust	A valley that follows the axis of an anticline (A.G.I. 1984).
Asymmetric valley		Frozen ground & snow	A valley in areas affected by permafrost (present or past), and that has one valley side commonly much seeper than the other. The steeper slope generally faces north or northwards. The most probable explanation for this asymmetry is the greater sol fluction activity that occurs on south-facing slopes plus the asymmetric lateral stream corrasion that occurs in such areas. These valleys usually occur in paallel sets with fairly regular spacing between them (Brierley 1988; French 1996).
Badlands		Running vater	An intricately stream-dissected topography characterized by a very fine drainage network with high drainage densities and short, step slopes. Badlandshave little or no vegetative cover generally overlying unconsolidated or weakly crmented claysor silts, sometimes with soluble minerals such as gypsum or halite (A.G.I. 1984; Driscoll 1984).
Bar-and-swale topography		Running vater	A term used to describe that part of a river floodplain in which the micro-relief of the alluvial surface is characterized by bars (e.g., scroll bars) and troughs (swales) formed in earlier depositional phases in an area of meander growth (Whittow 1984).
Baymouth bar		Lake waves & currents	A bar of and or gravel extending partially or entirely across the mouth of a bty (A.G.I. 1984).
Beach		Lake waves & currents	The gentl' sloping shore of a body of water which is washed by waves, especially the parts covered by sand or pebbles. Beaches can also be comprised of cobbles, boulders, silt, marl or clay (A.G.I. 1984).
Bicuit board topography		Glacial ice & meltwater	Topograpity, usually on rolling uplands or plateaus, that consists of glacial cirques which have been eroded headward in horizontally stratified sedimentary rocks. The cirques have not yet coalesced and the resultant topography has the appearance of large "bites" being removed from it similar to dough that has had biscuits cut out and removed (Smith 1987; Whittow 1984).
Blewout	-	Wind	A general term for various saucer- or trough-shaped hollows formed by wind erosion on a dune or other and deposit, especially when the protective vegetation cover has been removed or destroyed (A.G.I. 1984; Whittow 1984).
Blte-hole spring		Ground water (cold springs)	A spring that issues from the bottom of lakes; the water having a bluish or greenish appearance (Borneuf 1983).
Burning sulphur Burning gas		Spontanecus combustion	The process whereby the oxidation of sulphides or pyrites within bedrock creates enough heat to keep sulphur molten cr to spontaneously combust through the chemical action of oxidation. Natural gas or methane seeps may also spontaneously combust where conditions are suitable, such as atthe the Lutose Creek Hot Pot (A.E.P. no date).
Crag-and-tail		Glacial ice & meltwater	A streaml ned hill or ridge, resulting from glaciation and consisting of a knob of resistant bedrock (the "cag") on the up-ice side, with an elongate body (the "tail") of more crodible bedrock, till, or both, on its lee side (A.G.I. 1984).
Crwasse filling		Glacial ice & meltwater	A relatively straight ridge of stratified sand and gravel, till or other sediments, formed by the filling of a revasse in a sagnant glacier which later melted. Crevasse fillings may resemble eskers but are not generally as winding or branching. Most crevisse fillings are much widet and have more nearly level tops compared to narrower eskers, whose top surface generally undulates. Bends in crevasse fillingstend to be angular and crossings of different generations of crevasse fillings are not uncommon (Mollard 1972).

Cuesta Dela Stable detta Delta Unito Dite		Movements of the earth's crust	An asymmetrical ridge, with a long gentle slope on one side conforming with the dip of the underlying strata, and a steep of culture ace on the
			other side ormed by the outcrop of the resistant beds (A.G.I. 1984; Mollard 1972).
	Stable channel-Mouth bar delta	Running water	A delta generally consisting of a "muddy plain" incised by deep and sometime: long distributary channels that may be lavee-bordered. Abandoned distributary channels are commonly filled with sand, sometimes sand and mud or entirely with mud. The mouth bars at the front of the delta usually contain large volumes of sand. The projecting distributary channels may branch outward like the outsretched toes or claws of a bird. Thispattern of channels has given rise to the name birdsfoot delta which is one form of a stable channel-mouth bar delta (A.G.1 1984; Parker 1957: Smith 1991).
Dike	Unilobate delta	Running water	A single-channel delta created in lakes where wave action is restricted (generally small lakes), with the result that the nomentum of ne monimus stream caries it well out into the lake; deposition of river sediments occurs mainly at the sides of the stream, usually forming a pair of bars projecting into the lake (Hutchinson 1957).
		Igneous acivity	A sheet-like body of intrusive igneous rock that cuts across the structure of adjacent rocks or cuts throughmassive rock. The majority of dikes are formec from basic igneous rocks which may be either more or less resistan to erosion than the host rock itself. Thus, a dike's surface outcrop may form either a wall-like feature or, if considerably eroded, it may create a topographic trench or gully A.G.I. 1984; Whittow 1984).
Disppearing stream		Ground water (karst terruin)	A surface aream that disappears underground, either partially or totally, in sints or swallowholes (A.G.I. 1984; Sweeting 1973).
Doine Collapse	apse	Ground water (karst terrain)	A closed depression formed as a result of the collapse of cavern roofs relatively near to the surface. The sides of the depression are cuff-like and the floor is composed of the irregular limestone/gypsum blocks from the fragmented roof. It has an oval cr irregularly thaped near-crcular form. Though they are relatively shallow they usually have a high depth diameter ratio (Sweeting 1973).
Doine Solution	tion	Ground water (karst terrain)	A small erclosed depression formed by the solutional enlargement of joints and consequent settling of thesurface. The level floor isusually a jumble of small blocks dislocated by subsidence. Enlargement is either circular in plan, if there is one dominant vertical joint, or otherwise irregular if there are several, and can achieve dimensions of up to 1000m in diameter and 100m deep. Where the karst imestone possesses a covet of superficial deposits, solutional enlargement permits the latter to subside intc vertical fissures, whose slopes are unstacle because o' the unconsolidated nature of the surface material (Sweeting 1973).
Drift basin Holn	Holm lake	Glacial ice & meltwater	A body of water that is dotted with islands (Veatch and Humphrys 1964).
Drift basin Salin	Saline/Alkaline lake	Glacial ice & meltwater	A body of water containing high concentrations of alkalies (e.g., sodium carborate, sodium ulphate, potassium carbonate) or salts (e.g., sodium chloride); alkali or salt deposits can be extensive; lakes are often intermittent, drying up and forming alkai or salt flats furing the summer (Macdona d 1982; Veatch and Humphrys 1964).
Drmlin		Glacial ice & meltwater	A streamlined, oval to clongated hill composed of a variety of constituents (e.g., till, bedroct). A drumlir's long axis is parallel to the direction of ice movement. The end facing the direction of the ice front is blunter and steezer than the downstream tal end, which apers in planand profile. Drumlins <i>i</i> ary in height from 6 to 60m, commonly 15 to 24m, and in length from a 100m toseveral kilonettes. Drumlins usually occur in groups termed a fell or a awarm. The formation of drumlins has been attributed to: (1) the productof subglacial deformation, (b) the product of subglaciallodgement, (c) the product of mether of 01, the product of fluvial infills or rossional remants of subglacial floods (A.G.1. 1984; Bennett and Glasser 1996; Mollard 1972; Whittow 1984). Recent work by Shaw et al. (1989, 1996) and Rains et al. (1933) provide evidence that formation of drumlins is attributable to erosion and deposition by subglacial reluvater flows.
Dure ridge Cree	Cree Lake ridge	Wind	Very long most frequently very straight sand ridges, characteristically passing over topographical irregularities formed by bedrock or glacial deposit (David 1977).
Dune ridge Dun	Dune-track ridge	Wind	Relatively rare features that mark the former position and shape of the back base line of a prrabolic dune nead. The ridges are arcuae, sometimes slightly sinuous or irregular. They always occur in groups connecting the two wings across the blowout depression. They often form when the base of dunes are stabilized by vegetation (Lemmen et al. 1997).
Dure ridge Laca	Lacadena ridge	Wind	A relative y short and somewhat wide dune ridge having a low central axis along its center ine and having slipface-like slopes along both sides (David 1977).
Dure ridge Lake	Lake Claire ridge	Wind	A very stright ridge having a characteristic zigzag pattern on it at one or more locations alcug its course (David 1977)
Dure ridge Nort	North Battleford ridge	Wind	An elongate ridge with a slightly sinuous crest-line, formed by the "transverse" deflation of the southern wing of a fortner parabolic dune. The resulting ridge has a strongly asymmetrical transverse profile. These ridges always lie parallel to one andher (David 1977).

Lardform Element	<u>Subelement</u>	Genesis	Definition
Dure	Parabolic dune	Wind	Typically, a type of curved sand dune, having the horns pointing upwind. It is usually formed by the process known as a "blowout" in which the centre of the dune is partly removed and carried downwind, leaving the horns behind and drawn out in an elongated form. The steepest slope of the redistrbuted sand is located on the convex side of the dune. Parabolic dunes form a group that has been called the 'parabolic dure association'. Within this association are several dune forms (e.g., blowout dures, shield dures) that have developed the same way as an 'ordinary' parabolic dune but which have ectain characteristic features that make them different from the others in the association (A.G.I. 1984, David 1998, Lemmen et al. 1997; Mollard 1972; Whittow 1984).
Dune	Transverse dune	Wind	A strongly asymmetrical ridge of sand extending transverse to the direction of the prevailing winds, having a gentle windward slope and a steep leeward slope (A.G.I. 1984).
Eath flow		Gravity (trass movement)	An existing or former flow of water-saturated earth materials in the form of a viscous strearr of mud. The rate of movement may be sither slow or fast, depending on the gradient down which the material flowed, among other actors. Earthflows terminate in lobelike forms. They may grade into mudflows (A.G.I. 1984; Mollard 1972).
Eath slide		Gravity (trass movement)	A downhill movement of a mass of superficial material due to slope failure, often as a result of water reducing the friction along a shear plane in the soil muntle. With an increasing addition of water the slide will probably turn into an earth flow. The movement only affects the soil cover. Earth slides with a backward rotation have been termed "earth slumps" (Varmes 1978; Whittow 1984).
Ercsional remnant		Running vater	An elevated upland area that is distinct and that has been separated, by the action of erosion(especially by running water), from the surrounding landscape. These features are usually large in areal extent but can be much smaller in size. They can be expressed as fat-topped isolated buttes and plateaus or as elevated uplands with ridges and ravines. Erosional remnauts may be capped by gravels (e.g., Swan Hills) or by a resistant layer of rock (e.g., buttes) (A.G.I. 1984).
Eratic		Glacial ice & meltwater	A transported rock fragment different from the bedrock beneath it. The agent of transport is most commonly glacial ice. Erratics can be deposited at considerable distances from where they were derived. They range in size from a pebble to a house-size block (A.G.I. 1584; Mollard 1072).
Esker	na de	Glacial ice & meltwater	A screentine ridge of roughly stratified gravel and sand that was deposited by 1 stream flow ng in or beneath the ice of a stagnant or 'etreating glacier and was left behind when the ice melted (A.G.I. 1984).
Fault-line scarp		Movemens of the earths crust	A scarp that is the result of differential crosion that has occurred on either side of a fault-line when rocks of contrasting hardness are brought into juxtapositon. Also, a scarp or cliff formed originally by fault movement and subsequently croded backward from its original position, which may be coincident with a fault plane, parallel to, or in line with it (Mollard 1972; Whittow 1984)
Fekenmeer		Frozen ground & snow	A continuous and chaotic assemblage of moderate-sized to large-sized blocks of broken, jagged rock, mainly the result of intense frost-action on well-jointed rocks; found particularly in high altitudes and high latitudes on flat or gently-sloping surfaces. Some of the blocks are formed in place; others may have been derived from glacially transported boulders. Some may be statilized in position but others show downstream movement by solifluction. When they become concentrated into stream-like masses moving downslope, hey become 'stone rivers''. Felsenmeet are also known as "blockfields" (French 1996; Mollard 1972; Thombury 1969 Whittow 1924).
Flatiron		Weathering and differential erosion	One of a series of short, triangular spurs or ridges on the flank of a mountain, having a narrow apex and abroad base, resembling a huge flatiton; it usually consists of a plate of steeply inclined resistant rock between deep vallcys. A flatirot is commonly associated with the erosion of a dome structure. Flatitons are erosional forms which develop on tectonically disturbed masses (A.G.I. 1984; Campbell 1997/1998; Whittow 1984).
Fluting		Glacial ice & meltwater	Smooth straight parallel furrows, usually fairly small, that have been worn in the surface of ocks by glacal erosion (Mollard 1972). Grooves and ridges in till that are parallel to the direction of ice movement have also been trmed flutes (A.G.I. 1984). According to Bennett and Glasser (1996), flutes are typically low (<3m), narrow (<3m), regularly spaced ridges which are usually less than 100m long and are aligned parallel to the direction of ice flow.
Fluing	Giant fluting	Glacial ice & meltwater	Very large subglacial meltwater features. Giant flutings are considered to have been formed by longitudinal vortices it subglacial meltwater sheets flowing at high velocities. Giant flutes, separated by remnant ridges, form discontinuous fields in central and southern Alberta (Shaw et al. 1989, 1995).
Flwiatile lake	Alluvial fan dammed lake	Running vater	A body of water held in the valley of a main river course, either temporarily or perennially, by the conclile or fanlike ceposits at themouth of a lateral tritutary. The deposits contain more sediment than the main stream can remove. If the lateral tritutary discharges at the middle of one side of a lake, t may build a delta of sufficient size to cut the basin in half (Hutchinson 1957; Snith 1998).
Frest pocket		Weathering and differential erosion	A joint or bedding plane surface exposure that has been enlarged by weathering, especially recze-thaw action. Frost pockets take on the appearance of cave entrances, but rarely go back far enough to lose daylight (kollins 1992).
Glecial tunnel lake		Glacial ice & meltwater	A lake occupying a basin formed by glacial meltwater running under the mainice sheet and that excavated the underlying tills. These lakes are of an above of the section of

Ladform Element	Subelement	Genesis	Definition
Goige/Canyon		Running water	A stream-cut chasm, the sides of which are composed of cliffs or a series of cliffs rising from its bed; a harrow, deep valey with heary vertical walls (A.C.I. 1984).
Hanging valley		Glacial ice & meltwater	A tributary glacial valley whose mouth is high above the floor of the main valley, the discordance being due to the greacer crosive power of the trunk glacer in the main valley. A river flowing down the hanging valley will therefore, descend to the main valley as a waterfall or a series of cataracts (A.G.I. 1984; Whittow 1984).
Hil/Hole pair		Glaciotectonism	A discretehill of ice-thrust material, often slightly crumpled, situated a short dstance downelacier from 1 depression of similar size and shape. The hill and associated depression are usually next to each other, but may be separated in sone instances by as much as 5 km. Both pre-existing drift or bedrock may be involved in the dislocated hills. The depression represents the source of material now in the hill. In some instances the hole is bounded by tear-faults, and the resulting drift or bedrock may be involved in the dislocated hills. The depression represents the source of material now in the hill. In some instances the hole is bounded by tear-faults, and the resulting depression has quite straight sides (Aber et al. 1989).
Hogback		Movements of the earth's crust	A ridge with a narrow summit and steep slopes of nearly equal inclination, specifically a sharp-crested ridge formed by the outcropping edges of steeply inclined resistant rocks, and produced by differential erosion (A.G.I. 1984).
Honeycomb weathering		Weathering and differential crosion	A type of chemical weathering in which innumerable pits, hollows and niches are produced on a rock exposure. The pited surface resembles an enlarged toneycomb and is characteristic of finely granular rocks, such as tuffi and sandstores (A.G.I. 1934). Also terned "alveolar weathering" or "taffoni weathering" (Campbell 1997/1998; French 1996).
soob/oH		Weathering and differential crosion	A column, pinnacle, or pillar of rock or cemented conglomerates produced in <i>i</i> region of sporadic heavy rainfall by differential weathering or erosion of horizontal strata (e.g., undercutting by wind), facilitated by joints and by layers of varying hardness, and occurring in varied and often eccentric or grotesque forms (A.G.I. 1984; Whittow 1984).
Icecave	Cold trap cave	Ground water (karst terrain)	A cave haring a shape that permits the accumulation of cold dense air at the lowest point of the cave and maintains a temperature below freezing for over a year (Rollins 1992).
lcecave	Cold zone cave	Ground wter (karst terrain)	A cave having a shape and configuration that permits the formation of a cold zone near the cave entrance. Unequal cocling and warning of air caused by the effects of evaporation creates the cold zone where ice deposits will collect (Rollins 1992).
Icecave	Perennial ice cave	Ground water (karst terrain)	A high alt tude alpine cave, where the average annual temperature of the surface is less than 0EC and, depending on its size and configuration of entrances and chambers, may contain permanent ice (Rollins 1992).
lcecave	Relict permafrost cave	Ground water (karst terrain)	An ice cave that is situated in an area of relict permafrost (Rollins 1992).
lcescour lake		Glacial ict & meltwater	A lake formed in a basin after the scouring action of ice moves loose material or carves a depression either in softer rocks or in zone: of fractures and joints(Hutchinson 1957).
lcewedge cast		Frozen grund & snow	A wedgehaped feature that is a cast of a former ice wedge that has been filled by sand or dher materials. Depending upon the degree of deformation during thaw, the feature is either a cast (i.e., bears some resemblance to the original form), or a pswedomorph (i.e., bears little resemblance to the original form) (Berg 1969; French 1996; Whittow 1984).
Ice thrust moraine		Glaciotectonism	Mixed and contorted bedrock, till and water-sorted material translocated by ice in a more or less intact state as thrust bbcks, or deformed into thrust slats and folds; topography consists of ridges, irregularly shaped hills and depression; (Shetsen 1957).
Impact structure		Meteorite falls	A saucer-thaped pit or crater-like depression of variable size on the earth's surface, produced by the impact of a moving body, most commonly a meteorite. This feature has also been termed an 'astrobleme' (A.G.I. 1984; Kuysch and Rutter 1982).
Iron depositing spring		Ground wter (cold springs)	A spring that deposits iton or oxides of iron. Iron-depositing springs frequently originate insurficial deposits; however, iron staining is quite common in other types of springs. Iron staining is common in spring outlets from fractures in sandstones shales, and coals, as well as in colluvial and alluvial sediments. Springs having a high concentration of iron oxide often have deposts of ochre in the vicinity of the spring. Ochre is an earthy or powdery iron oxide mineral that is usually red, yellow or brown in color (A.G.I. 1984; Allan 1920; Borneuf 1983).
Kane	Kame delta	Glacial ice & meltwater	A small or large, conspicuous, mesa-like landform created when debris-laden meltwater streams discharge gravels and sands into a temporary glacial lake or pond lying on, in, under, or against stagnant glacier ice. Kame deltas tend to comprise beter bedded and sorted sedirrents than kames built on land. They have a distinctive flat top and a uniformly inclined frontal margin that is commonly lobate in outline (Kupsch and Rutter 1982; Whittow 1984).
Kane	Kame moraine	Glacial ice & meltwater	A type of moraine comprised of groups or clongate strings of hummocky mounds of irregularly bedded sand and grave with subordinate till, deposited unevenly from meltwater flowing along or near a moving or decaying stagnant glucier. The inner faces of the kames represent slumped sediments that rested against the ice (Mollard 1973).
Kast cave	Bedding cave	Ground water (karst tertain)	A natural, hollow chamber or series of chambers and galleries developed between two layers of similar, soluble rock (e.g., limestone, dolomite or gypsum). The chamber occurs beneath the earth's surface, or in the side of a nountain or hill, with an opening to the surface and large enough for a person to enter (A.G.I. 1984; Bogli 1980; Parker 1997).

Lardform Element	Subelement	Genesis	Definition
Kaıst cave	Joint cave.	Ground witer (karst terrain)	A natural, hollow chamber or series of chambers and galleries created along joints and fault: in soluble rock (e.g., lime:tone, dolomie or gypsum). The chamber occurs beneath the earth's surface, or in the side of a mountain or hill, with an opening to the surface and arge enough for a person to enter (A.G.I. 1984; Bogli 1980; Parker 1997).
Karst spring	NAMES OF THE OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNE	Ground water (karst termin)	Any natural appearance of a watercourse originating from a karst area (Borneuf 1983).
Klipe		Movements of the earth's crust	An isolated overthrust mass of folded rocks, usually a nappe, cut off from the main fold structure by erosion. It is an erosional remant or outlier of a nappe, a large-scale tectonic overfold in the earth's crustal rocks that has noved forward as a recumbent fold sometimes for tensof kilometres along a thrust plane (A.G.I. 1984; Whittow 1984).
Landslide lake	A COLUMN A C	Gravity (nass movement)	A lake formed behind rockfalls, mudtlows, debris slides or other kinds of slides that may fill valley floors and dam streams (Hutchinkon 1957).
Levee dammed lake	#1000000000000000000000000000000000000	Running water	A lake related in their origin to river bank levees. Where levees act as barriers or enclosures to hold wate other than from the primary river, levee dammed lakes can form (Campbell 1997/1998; Hutchinson 1957, Veatch and Humphrys 1964).
Linestone pavement		Ground water (karst terrain)	A glacio-karstic landform, produced on a glacially planed limestone surface wrich has subsequently become dissected nto blocks by solution- enlargement of vertical joints; these areas are often dominated by regular patterns of blocks and clefts so that they appear like artificial paving (Ford and Williams 1989; Sweeting 1973).
Marl bog		Peat accurulation (non-permafrost)	A peatlant that now occupies the site of a former, or extinct lake and that contains deposits of marl in its underlying sediments (Veath and Humphrys 1964).
Marl lake		Ground water (cold springs)	A waterbody characterized by quantities of marl in its bottom sediments. Mar is an old terri loosely appied to a variey of material, mostly unconsolidated earthy deposits consisting chiefly of an intimate mixture of clay and calciur carbonate, usually including shell fragments and sometime glauconite. It is formed under marine but especially under freshwater conditions. Where the narl lake bottom is white, not covered by organic mads, the water is often remarkably clear, or the water may be "milky" where shallcws are subject to wave action (A.G.I. 1984; Veatch and Humphrys 1964).
Megablock		Glaciotectnism	Enormous masses of material, principally bedrock, that have been moved to their present location by glaciers. Megablecks are more or-less horizontal, slightly deformed, and are often buried under or within thick drift. Most are exposed along the banks of modern rivers (Aver et al. 1989, Staker 1976).
Metwater channel	Ice-walled channel	Glacial ice & meltwater	A type of :hannel that criginated from meltwaters downcutting and moving through tunnels in the ice or through open ce-walled trenches, probably along crevasses or lines of weakness in stagnant ice. After the channels were cut they were often infilled with drift, depending on the amount of debris contained in the ice walls (Gravenor et al. 1960).
Mdtwater channel	Subglacial channel	Glacial ice & meltwater	A steep-stided meltwater channel cut into bedrock or till by glacial meltwaters beneath a glacier or ice-sheet. Subglacial channels mry cut across or be orientated transverse to the surface contours and drainage patterns of the present-day topography. Nost subglacial channels are now streamless or occupied by tiny watercourses which clearly were not responsible for their formation (Whitow 1984). These features have also been termad "tunnel valleys." Tunnel valleys, however, are usually regarded as being consilerably larger than subglacial channels and of increasing significance in terms of the current work in Alberta on meltwater effects vis-a-vit the 'megaflood hypothesis' (Campbell 1997/1998; Evans 1954).
Mcraine	de Geer moraine	Glacial ice & meltwater	A type of noraine comprised of successions of small parallel to subparallel, subequally spaced, often sharp-crested, narrow, subangular bouldery, sandy to slty till ridges up to 12m high. They may be either straight to broadly curvilinear arcuate) in phn and are interpreted to have formed underwater where the glacier terminated in a former deep lake and subsequenty retreated. The individual ridges are often covered with large subangular boulders and subsequent to the covered silt and each other covered with large subangular boulders and subsequently retreated. The individual ridges are often covered with large subangular boulders and separated by varved silt and clay (Mollard 1972; Smith 1987).
Mcraine plateaux		Glacial ice & meltwater	Generally subcircular, flat-topped mesa-like mounds composed of till and/or stratified drift. Mollard 1973. According to Shaw et al. (1996), moraine plateaux are thought to be mainly residuals from incomplete sheetflood erosion of previously deposited sediment.
Mudlin		Glacioteconism	A special variety of "hill-hole pair" consisting of an elongated loop with a central trough. The hill resembles a drumlin when viewec from the side, but has its highest crest at the distal end and has a longitudinal central desression. The lateral ridges and distal mound are formed of debris shoved from the trough. Murdlins are believed to have formed during the final stages of glaciation in places where a narrow tongue of active ice pushed through a marginal belt of dead ice (Aber et al. 1989).
Nexk cutoff		Running water	The remnant of a meander spur, formed when a vigorously downcutting stream breaks through the narrow strip of landbetween adjacent curves in the stream course; it usually stands as an isolated hill enclosed by stream mearders. This feature is also termed a mearder core (A.G.I. 1984; Smith 1958; Whittow 1984).

Noi-patterned fen with internal lawns	Horizontal fen	Peat accurulation (non-permafrost)	A fen with a very gently sloping, featureless surface that slopes gently in the drection of drainage. They occupy broad often ill-defined depressions, and may be interconnected with other fens. They are generally wooded and contain wetter areas that are sightly depressed (i.e., lawns), the lawns being somewhat circular in form. In such lawns, dead trees, partially buried in peat andothen tilted in random direction, are common. These fens represent a relatively drom of fen and peat accumulation is generally uniform (CCELC 1987; Vitt et al. 1994).
Non-patterned fen without internal lawns	Channel fen	Peat accunulation (non-permafrost)	A fen occurring in a topographically well-defined channel which at present does not containa continuous y flowing stream. The depth of peat is usually uniform (CCELC 1987).
Non-patterned fen without internal lawns	Slope fen	Peat accurulation (non-permafrost)	A fen occurring mainly on slowly draining, nutrient-enriched seepage slopes. Pools are usually absent, but wet seepage tracks may œcur. Peat thickness seldom exceeds 2m (CCELC 1987).
Non-patterned fen without internal lawns	Spring fen	Peat accurulation (non-permafrost)	A wetland form that is fed predominantly by groundwater discharge sources such as springs. The surface of a spring fen is gently sleping, although there may be a series of pools dammed by peaty ridges. Spring fens may be located immediately below upland recharge areas or may be several tens of kilometres from the associated uplands, depending on the hydrology of the aquifer formations. Spring frans are characteristically long and rarrow, originating from a point source. Small "islands" may develor on them in those parts of he fen that recule less spring water and, therefore, develop a less minerotophic vegetation with trees and shrubs. Thisresults in a pattern of treedislands in these generally ædge- dominatec wetlands. Such fens can be highly minerotrophic if the spring water contains large amounts of dissolved minerals; in such cases, marl deposits may be encountered (CCELC 1988).
Non-patterned fen without internal lawns	Stream fen	Peat accunulation (non-permafrost)	A fen located in the main channel or along the banks of permanent or semi-permanent streams. This fen is affected by the water of the stream at normal and flood stages (CCELC 1987).
Overflow channel		Glacial ice & meltwater	A channel often streamless, cut in solid rock or in drift, having been carved out by the overlow of an ice-dammed lake. They are characteristically flat-floored and steep-sided, with sharp edges at both top and bottom. They can only be recognized with certainty where they are associated with deltas, lake shorelines and lake-bottom deposits formed in the formerly impounded pro-glacial lake. Overflow channels should be distinguished from glacial meltwater channels. These of channels have uso been referred to as "glacial spillways" (Whittow 1984).
Paka bog		Peat accurulation (pernafrost presert)	A bog corroosed of individual or coalesced palsas, occurring in an unfrozen peatland (CCELC 1988). A valsa is a circular or elongated peaty permafrost mound that has a peremnially frozen core of alternating layers of segregated ice and peat or mineral soil material. The pert is relatively dry, but permafrost mound that has a peremnially frozen core of alternating layers of segregated ice and peat or mineral soil material. The pert is relatively dry, but permafrost occurs within about 0.5 m of the surface. Palsas are typically 1-7 m in height and less than 100 m it diameter. Near the southern lmit of their distribution, they usually occur as leverated wooded islands or peninsulas that rise abruptly above the surface it large, very sparsely wooded, non-frozen fens. Their surface can be highly uneven, 0ften containing collapse scars. Falsas form by freezing fron above and permafrost usually penetrates into the underlying mineral soil (CCELC 1988; Clark 1988; French 1996; Zoltai 1971).
Paternoster lakes		Glacial ice & meltwater	A linear series of small lakes occupying rock basins in a glacial valley, connected by steams, rapids, or waterfalls (A.G.I. 1984; Hutchinson 1957).
Patterned fen	Net fen	Peat accumulation (non-permafrost)	A fen with a broad net pattern of low, interconnected peat ridges ("strings"), etclosing wet hollows or shallow pools. The wetland surface is almost completely level; greater slopes result in the formation of northern ribbed fens (CCELC 1987).
Patterned fen	Northern ribbed fen	Peat accumulation (non-permafrost)	A fen characterized by the development of narrow (1-5m wide), low (5-75cm righ) peaty ridges (also caled "strings") priented at right angles to the direction of water movement. These ridges may stretch across he fen in a smooth arc or in sinuous ans that may divide and rejon. Wet peaty depressions, called "flarks", occur between the ridges. Northern ribbed fens have a slightly sloping surface (0.1-1.0% slope). Thesefens are distinguisted from other patterned fens by the presence of sharply defined, narrow ridges separated by narrow flarks. Northern ribbed fens are usually urderlain by peat that is in excess of 1m in thickness (CCELC 1988).
Paterned fen	Spring fen	Peat accumulation (non-permafrost)	A wetlanc form that is fed predominantly by groundwater discharge sources such as springs. The surface of a spring fen is gently sloping, although here may be a series of pools dammed by peaty ridges. Spring fens may be located immediately below uplard recharge areas or may be several tens of kilometres from the associated uplands, depending on the hydrology of the aquifer formations. Spring fans are characteristically long and narrow, originating from a point source. Small "islands" may develop on them in those parts of the fen that receive less spring water and, therefore, develop a less minerotrophic vegetation with trees and shrubs. This results in a pattern of treeci islands in these generally edge- dominated wetlands. Such fens can be highly minerotrophic if the spring water contains large amounts o' dissolved minerals; in such cases, marl deposits may be encountered (CCELC 1988).
Paterned ground		Frozen grøund & snow	A term for the minor and microrelief land features of more or less symmetrical form (e.g., circles, polygons, nets, steps stripes) that are characteristic of but not confined to surficial materials that now or at some previous time wrre subject to intense frost action. In some of these features, the finer and coarser materials are sorted into various polygonal forms of varying timensions with angular stores around the perimeter and finer materials in the centre. This action also applies to sorted or stone cicles, nets, steps and stripes(A.G.I. 1984; Mollard 1972).

Landform Element	<u>Subelement</u>	Genesis	Definition
Ped plateaux		Peat accumulation (permafrost present	Peat accumulation (permafrost presert) Flat-topped elevated expanses of relaively dry peat that are dominated by a ground layer of lichens. They can occur as small, isolatid, irregular to nearly circular-shaped islands within fens to complex networks of coalescing plateaus with only minor areas of fens. Part plateaux contain a perennially frozen core of segregated ice that usually does not extend downwads into the underlying minoral soil. This is probably the main difference genetically, between them and palsas. Peat plateaux scldom exceed 120 cm in hoight above the general surface of the petiland but may be several square kilometers in area. They result from the freezing of peat with the formation of segregated fee there consequent uplif of the peaty surface. Permafrost is generally found within about 0.5 m of the surface. At the souther finge at the romation of the peats us from the peats within about 0.5 m of the surface. At the souther finge of their occurrence the permafrost is meeting out of the plateaux. forming collapse scars. "Collapse scars" are depressions in a peatland causedby the thaving of permafrost is meeting out of the plateaux. forming collapse scars" are depressions in a peatland causedby the thaving of permafrost sith in or beneath the peat. The peat surface subsides, sometimes to a depth of about 10.0 cm (CCELC 1988; French 1996; Halsey et al. 1995; Vitt et al. 1994.
Pips and related phenomena	опела	Running vater	Tubular underground channels or conduits created by subterranean erosion fron surface runoff waters that percolate into desiccation cracks or fissures and which remove solid particles from clastic (fragmental) rocks and wher material. Pipes are generally long and narrow, connecting a series of collapse features and vertical shafts. The size and morphology of the pipes vary gratty but dianeters may exceed several neters. The solid particles from clastic (fragmental) rocks and where material. Pipes are generally long and narrow, connecting a series of collapse features and vertical shafts. The size and morphology of the pipes vary gratty but dianeters may exceed several neters. The collapse features vary from a few centimeters to 9 meters in diameter and may extend to a dopth of 15 meters below the surface. Piping where tubes are preserved occurs either along the margins of recently guilied flats such as floodplains and terraces, or in the cowns, slopesand channels of badlanc hills. Pseudokarsis produced by piping display disappearing streans, sinkholes, Jind and hanjing valleys, natural bridge, residual hills and aves (Barendegt 1977, Faibridge 1968).
Pited delta		Glacial ice & meltwater	A delta characterized by numerous depressions such as kettles, shallow pits, and potholes, produced by the partial or complete burial of glacial ice by alluvium and the subsequent thaw of the ice and collapse of the surficial materials (A.G.I. 1984; Parker 1997).
Playa lake		Running vater	A shallow, intermittent lake in an arid region, occupting a playa in the wet season but oftendrying up in nummer. A paya is a low, assentially flat part o' a large undrained basin in an arid region. Playas variously show sheetwash stains, giant contraction polygous and stripes, salt pressure polygons, and/or white salt flats (A.G.I. 1984; Kupsch and Rutter 1982; Parker 1997; Thornbury 1969).
Plunge pool lake	•	Running water	Bodies of water that occur in basins scoured in the bed of a stream at the foot of a former waterfall by the force and eddying effect of the falling water (Huchinson 1957; Parker 1997).
Pluton		Igneous activity	A cylindrical mass of granitic rock emplaced or intruded at high level and at low temperatures in a near-solid state (Whittow 1984).
Rased beach		Lake waves & currents	An ancient beach occurring above the present shoreline, having been elevated either by local uplift of the land or by lovering of the åke level (A.G.I. 1984).
Ravids		Running water	A part of a stream where the current is moving swiftly and where the water surface is broken by obstructions (e.g., rocks), as where the stream descends over a series of small steps (A.G.I. 1984).
Re/erse fault		Movemens of the earths crust	A fault along which the hanging wall has been raised relative to the footwall. Low angle reverse faults are often termel thrust faults. These have a dip of 4)E or less over much of their extent, on which the hanging wall appears to have moved upward relative to the footwall. Herizontal compression rather than vertical displacement is a characteristic feature of thrust faults (A.G.I. 1984).
River island	Bedrock island	Running vater	An elevated piece of land within the channel of a river or near its mouth and formed of bedrock (A.G.I. 1984).
River meander	Incised meander	Running vater	Meandersthat are carved markedly downward into the surface of the valley inwhich they originally formed. Incised neanders are dosely bordered or enclosed by the valley walls. The walls are often comprised of rosk. Two types of incised meanders are gmerally recognized: (a) entrenchel meanders which show little or no contrast between the slopes of the two valley sides of a meander curve, and (b) ingrown meanders which exhibit pronounced asymmetry of cross profile with undercut slopes on the outside of the meander curve and slipoff slopes on the inside (A.G.I. 1884; Thornbury 1969).
River terrace		Running vater	One of a series of benches above the level of the river, flanking and more or less parallel to the river charnel. They are the dissected remnants of an abandened flood plain, river bed, or valley floor produced during a former stage of erosion or deposition (A.G.I. 1944; Rains 1997).
River terrace	Rock-cut terrace	Running vater	A river terrace comprised almost entirely of bedrock except, in some cases, for a thin alluvial veneer. It is sometimes called a strathterrace (Campbell 1997/1998; Rains 1997; Whittow 1984).
Rœk fall		Gravity (nass movement)	Newly deached pieces of bedrock of any size that are detached from a steep stope or cliff, flong a surface on which little or no shear displacement takes place, and that descend mostly through the air by free fall, bounding, or olling. Movements are very rapid to extremely rapid [072, Vames 1978].
Rock labyrinth		Gravity (nass movement)	A regulararrangement on a slope of large, joint-bounded and translated bedroxk blocks, separated by "streets" of varying width (sone up to 15m wide). The labyrinth style of block movement involves slippage of intact blocks along a weaker surface, without appreciable rotation. Processes (apart fron downdip gravitational components) capable of producing such a separation are likely to be settling of the underlying weak material, wedging eveloped by freezing of water, or expansion during chemical alteration of certainminetals. These landform: have also been called

Rock slide	landa da ana ana ana ana ana ana ana ana	Gravity (nass movement)	The downward and usually rapid movement of newly detached segments of befrock, sliding on a surface of bedding, jointing, or faulting. The moving muss usually breaks up into many small units. Rock slides with a backward rotation have been termed "rock slimps" (A.G.1 1984;
Rock-shelter		Weathering and differential erosion	A shallowcave or alcove created by the differential erosion of the matrix. The cave may belocated beneth an overhauging rock ledge and the cave botton can be more or less flat (Bogli 1980).
Sal: depositing spring		Ground water (cold springs)	A spring containing water of high salinity (principally sodium chloride), and that leaves saltdeposits on the surface of the ground through evaporation and precipitation (Borneuf 1983).
Sardstone dike		· Weathering and differential erosion	A near-vertical, sheet-like body of sandstone or lithifted sand, usually less thar 10 cm in thickness, that cuts through befrock in the manner of an igneous dice. They are thought to be formed by the infilting of a bedrock fissure from above or by injection from below. Where the dike's surface outcrop is more resistant to erosion than the host rock itself, it may form a wall-like or ridge-like feature iParker 1997; Whittow 1984).
Sorphole		Ground water (cold springs)	A part of the land surface that is characterized by a local weakness of limited extent underlan by a viscous admixture of sand, silt, cliy and water. The weakened area is commonly circular or slightly enlongated and has well-defined boundaries. A soaphole may be several meters in depth and is covered by a thin, fragile crust through the cracks of which mud and water ozzes to the surface. Where there is sufficient flow of vater from the soaphole, is soaphole spring may occur (Toth 1966).
Speleothem		Ground water (karst terrain)	A mineral deposit formed in caves by the action of water, and includes such forms as stalact tes, stalagmites, columns, pillars, cave partls, flowstone, needles, etc. (A.G.I. 1984; Sweeting 1973).
Spit		Lake waves & currents	A narrow and elongated accumulation of sand or gravel projecting from the shore into a body of water. It grows out from the shoreline as a result of longshore drift (A.G.I. 1984; Whittow 1984).
Statk		Running water	An isolated, pillar-like rocky island, detached from a shore by water erosion. It is sometimes referred to as a pillar, chinney rock, column, needle, "flower-pet rock", etc. (Fairbridge 1968; Parker 1997).
Stock	AND	Igneous activity	An igneous intrusion that is less than 100 square kilometres in surface exposure, is usually but not always discordant, and resembles 1 batholith except in size (A.G.I. 1984).
Subhur depositing/odor sprng		Ground water (cold springs)	A spring containing high concentrations of dissolved hydrogen sulphide gas, thus giving the spring water a distinctive "rotten-egu" odor. Hydrogensulphide is related to the presence of bacteria, which are observed ir numerous springs. The bacteria can be white, pale yellow, and pale brown and sometimes form filamentous colonies that float gently in the spring waters. Associated with hydrogen sulphide gas is sulphur, which can be observed either in suspension in spring water, giving it a milky appearance, or as sulphur deposits around the spring orfice (Borneuf 1083).
Tectonic lake basin	Fault lake	Movements of the earth's crust	A lack contained within a basin on tilted fault blocks that are the result of movements of the deeper parts of the earth's crust (Hutchirson 1957).
Thermokarst lake		Frozen grcund & snow	A lake or pond (generally circular or oval-shaped) usually in a perennially frozen peatland, and contained within a subsidence depression (e.g., a collapse star) created by the thawing of permafrost (A.G.I. 1984; CCELC 1987; Veatch and Humphrys 1!64).
Tua depositing spring	#0000000000000000000000000000000000000	Ground water (cold springs)	A spring that has an encrustration or other deposit of calcium carbonate, precipitated from the spring water either adjacent to its orifice or along a stream bebw the spring. The tufa can form bars, mounds, terraces and dams, especially arcund hot springs (Borneuf 1983).
Valey	V-shaped valley	Running vater	A valley whose form is largely created by fluvial erosion and which is characterized by evenly sloping sices and a V-staped cross-pubfile (Rains 1997; Whttow 1984).
Veteer bog		Peat accurulation (pernafrost present)	1
Vo canic rock		Igneous activity	A finely cystalline or glassy igneous rock resulting from volcanic action at ornear the earth's surface, either ejected explosively or extruded as lava. The finely crystalline and glassy forms of the rock result from the rapid sooling of the lava when it appeared at the surface(A.G.I. 1984; Whittow 1984).
Warm spring		Ground water (hot springs)	A spring whose temperature is at least 5EC above the mean annual air temperature. A warm spring may contain deposts of tufa and have hydrogen sulphide gas within its waters. (Borneuf 1983).
Water gap		Running vater	A deep pass in a mountain ridge, through which a stream flows; especially a narrow gorge or ravine cut through resistant rocks by stream erosion (A.G.I. 1984).
Waterfall	FOR WORK COLUMN FOR CONSIGNING AND AND AND INCOMENDATIONS OF CONSIGNING	Running vater	A perpendicular or steep descent of a stream, as where it crosses an outcrop of resistant rock overhanging softer rock that has been ended (A.G.I. 1984).

Wooded bog without Northern plattau bog	Peat accumulation (non-permafrost) Peat accumulation (non-permafrost) Peat accumulation (non-permafrost)	A taken up to the providence of the pointed end oriented in the downslope direction. The thickness of the peat is commanly in excess of 2m, but is usually treated with the pointed end oriented in the downslope direction. The thickness of the peat is commanly in excess of 2m, but is seldon greater than 5m. They are usually treed with black spruce and have open, wet Sphagnum-Carex-dominated lawns often containing partially buried stands of dead trees. The internal lawns are characteristically less than 50 cn lower than he surrounding wooded bog surface (CCELC 1988; Vitt et al. 1994). A raised by elevated 0.5-1m above the surrounding fen, often occurring as a 'bog island'. The surface is generally fla, characterized only by A raised by elevated 0.5-1m above the surrounding fen, often occurring as a 'bog island'. The surface is generally fla, characterized only by
		amail wet ispressions. The plateau bog is usually trardrop-shaped, with the pointed end oriented in the downslope direction. Thesebogs are usually treed with stunted black spruce. The thickness of the peat is commonly in excess of 2m, but is selflom greater than 5m (CCE.C 1988). CCE.C 1988) and the standard spruce is commonly in excess of 2m, but is selflom greater than 5m (CCE.C 1988).

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Appendix 2. Vegetation Community Elements of Special Conservation Concern

<u>Element Name</u>	<u>Common Name</u>	Reason
Artemisia tridentata - Balsamorhiza sagittata shrub herbaceous	big sagebrush - balsamroot shrub herbaceous	limited extent
Artemisia tridentata - Rhamnus alnifolia shrub herbaceous	big sagebrush - alder-leaved buchthorn shrub herbaceous	limited extent
Artemisia tridentata - Saxifraga bronchialis shrub herbaceous	big sagebrush - spotted saxifrage shrub herbaceous	limited extent
Festuca hallii herbaceous alliance	plains rough fescue herbaceous alliance	at 1 isk
Juniperus horizontalis - Koeleria macrantha pediment shrub herbaceous	creeping juniper - June grass pediment shrub herbaceous	limited extent
Larix occidentalis/Calamagrostis rubescens woodland/forest	western larch/pine reed grass woodland/forest	limited extent
Peace River Parkland remnant grasslands	Peace River Parkland remnant grasslands	at risk
Pinus flexilis woodland/forest alliance	limber pine woodland/forest alliance	at risk
Populus spp. riparian woodland alliance	cottonwood riparian woodland alliance	outstanding example
Salix bebbiana Foothills Parkland grove shrubland	Bebb's willow Foothills Parkland grove shrubland	limited extent
Sarcobatus vermiculatus herbaceous shrub alliance	greasewood herbaceous shrub alliance	limited extent
Schizachyrium scoparium - Poa interior herbaceous	little bluestem - inland bluegrass herbaceous	limited extent
Thuja plicata woodland/forest alliance	red cedar woodland/forest alliance	limited extent
Yucca glauca/ Calamovilfa longifolia shrub herbaceous	yucca shrub herbaceous	limited extent

Appendix 3a.	Vascular Plant Elements of Special Conservation Concern.

	Scientific Name	Common Name	<u>S Rank</u>	<u>G Rank</u>
	Abronia micrantha	sand verbena	S2	G5
	Acer negundo	Manitoba maple	S2?	G5
	Achillea millefolium var megacephala		SR	G5T1
	Adiantum pedatum	maidenhair fern	S1S2	G5
	Agoseris lackschewitzii	pink false dandelion	S2	G4
	Agropyron scribneri	Scribner's wheat grass	S2	G5
	Agropyron x brovifolium		S?	HYR
	Agrostis exarata	spike redtop	S2	G5
	Agrostis humilis	low bent grass	S1S2	G4
•	Agrostis mertensii	northern bent grass	S1S2	G5
	Agrostis thurberiana	Thurber's bent grass	S2	G5
	Allium geyeri	Geyer's onion	S2	G4G5
	Alopecurus occidentalis	alpine foxtail	S2	G5
	Amaranthus californicus	Californian amaranth	S1	G4
	Anemone quinquefolia	wood anemone	S1	G5
	Antennaria aromatica	scented everlasting	S1S2	G4
	Antennaria corymbosa	corymbose everlasting	S2	G5
	Antennaria luzuloides	silvery everlasting	S1	G5
	Antennaria monocephala	one-headed everlasting	S2	G4G5
	Aquilegia formosa	Sitka columbine	S2	G5
	Aquilegia jonesii	Jones' columbine	S2	G4
	Arabis lemmonii	Lemmon's rock cress	S2	G5
	Arctagrostis arundinacea	polar grass	S1	G?
	Arenaria longipedunculata	sandwort	S2	G3G4Q
	Aristida longiseta	red three-awn	S1	G5?
	Arnica amplexicaulis	stem-clasping arnica	S2	G4
	Arnica longifolia	long-leaved arnica	S2	G5
	Arnica parryi	nodding arnica	S2	G5
	Artemisia borealis	northern wormwood	S2?	G5?
	Artemisia furcata var furcata	forked wormwood	S1	G4T?
	Artemisia tilesii	' Herriot's sagewort	S2?	G5
	Artemisia tridentata	big sagebrush	S2	G5
	Asclepias ovalifolia	low milkweed	S2	G5?
	Asclepias viridiflora	green milkweed	S 1	G3

<u>Scientific Name</u>	Common Name	<u>S Rank</u>	<u>G Rank</u>
Aster campestris	meadow aster	S2	G5
Aster eatonii	Eaton's astcr	S2	G5
Aster pauciflorus	few-flowered aster	S1S2	G4
Aster umbellatus	flat topped white aster	S2	G5
Aster x maccallae		SU	HYB
Astragalus bodinii	Bodin's milk vetch	S 1	G4
Astragalus kentrophyta var kentrophyta		S1	G5T4
Astragalus lotiflorus	low milk vetch	S2	G5
Astragalus purshii	Pursh's milk vetch	S2	G5
Athyrium distentifolium	alpine spleenwort	S1	G4G5
Atriplex canescens	saltbush	SU	G5
Atriplex powellii	Powell's saltbush	S2	G4G5
Atriplex truncata	saltbush	S 1	G5
Bacopa rotundifolia	water hyssop	S1	G5
Bahia oppositifolia	picradeniopsis	S1	G5?
Barbarea orthoceras	American winter cress	S2	G5
Bidens frondosa	common beggarticks	S1	G5
Boisduvalia glabella	smooth boisduvalia	S2	G5
Boschniakia rossica	ground-cone	S 1	G5
Botrychium ascendens	ascending grape fern	SP	G3?
Botrychium campestre	field grape fern	S1	G3
Botrychium crenulatum		S1	G3
Botrychium hesperium	western grape fern	S1	G3
Botrychium lanceolatum	lance-leaved grape fern	S2	G5
Botrychium minganense		S2	G4
Botrychium multifidum var intermedium	leather grape fern	S1S2	G5T4?
Botrychium paradoxum	paradoxical grape fern	S1	G2
Botrychium pedunculosum	a in too an annound an annound an an an annound annound annound annound annound annound annound annound annound	S1	G3?
Botrychium simplex	dwarf grape fern	S 1	G5
Botrychium spathulatum		S1S2	G3G4
Botrychium x watertonense		S1	НҮВ
Brasenia schreberi		SU	G5
Braya purpurascens	alpine braya	S1	G4G5
Brickellia grandiflora	large-flowered brickellia	S2	G5
Bromus altissimus	Canada brome	S1	G5

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Scientific Name	Common Name	<u>S Rank</u>	<u>G Rank</u>
Calamagrostis lapponica	Lapland reed grass	S1	G5
Camassia quamash var quamash	bluc camas	\$2	G5T?
Campanula uniflora	alpine harebell	S2	G4
Cardamine bellidifolia	alpine bitter cress	S2	G5
Cardamine parviflora	small bitter cress	S1	G5
Cardamino pratonsis	meadow bitter cress	S1	G5
Cardamine umbellata	mountain cress	S2	G?
Carex adusta	browned sedge	S2	G5
Carex aperta	open sedge	S2	G4
Carex arcta	narrow sedge	S1_	G5
Carex backii	Back's sedge	S2	G4
Carex bicolor		SU	G5
Carex bipartita	two-parted sedge	S1S2	G5
Carex capitata	capitate sedge	S2	G5
Carex crawei	Crawe's sedge	S2	G5
Carex enanderi	goose-grass sedge	S2?	G2G4
Carex epapillosa	blackened sedge	S1	G?Q
Carex franklinii	Franklin's sedge	S2	G3G4Q
Carex glacialis	glacier sedge	S2	G5 .
Carex haydeniana	Hayden's sedge	S2	G4G5
Carex heleonastes	Hudson Bay sedge	S2	G4
Carex hookerana	Hooker's sedge	S 2	G4?
Carex houghtoniana	sand sedge	S2	G5
Carex hystricina	porcupine sedge	S1	G5
Carex illota	small-headed sedge	S1S2	G4G5
Carex kelloggii	Kellogg's sedge	S2	G5
Carex lacustris	lakeshore sedge	S2	G5
Carex lenticularis var dolia	lens-fruited sedge	\$2	G5T3Q
Carex leporinella		SU	G5
Carex loliacea	rye-grass sedge	\$2	G5
Carex maritima var incurviformis	seaside sedge	S2	G3G5T?
Carex mertensii	purple sedge	S1S2	G5
Carex misandra	nodding sedge	\$1\$2	G5
Carex multicostata		SR	G5
Carex nebrascensis	Nebraska sedge	S 3	G 5

Scientific Name	Common Name	<u>S Rank</u>	<u>G Rank</u>
Carex oligosperma	few-fruited sedge	S1	G4
Carex parryana var parryana	Parry's sedge	S2	G4T4
Carex pauciflora	few-flowered sedge	S2	G5
Carex paysonis	Payson's sedge	S2	G4
Carex pedunculata		S1	G5
Carex petasata	pasture sedge	S 2	G5
Carex petricosa	stone sedge	S2	G4
Carex piperi		SR	G3?
Carex platylepis	broad-scaled sedge	SU	G4?
Carex podocarpa	alpine sedge	SU	G4G5
Carex preslii	Presl sedge	S2	G4
Carex pseudocyperus	cyperus-like sedge	S2	G5
Carex retrorsa	turned sedge	S2S3	G5
Carex rostrata	beaked sedge	S2	G5
Carex scoparia	broom sedge	S1 ⁻	G5
Carex sitchensis		SR	G?
Carex supina	Weak Sedge	S 1	G5
Carex tincta	tinged sedge	S1	G4G5
Carex tonsa		S2S3	G5
Carex trisperma	three-seeded sedge	S2S3	G5
Carex umbellata	umbellate sedge	SP	G5
Carex vesicaria	blister sedge	S2?	G5
Carex vulpinoidea	fox sedge	S2	G5
Castilleja pallida		SU	G5
Castilleja sessiliflora	downy paintbrush	S 1	G5
Centunculus minimus	chaffweed	S1	G5
Cerastium beeringianum ssp terrae-novae		SR	G5T1
Cheilanthes gracillima	lace fern	S1	G4G5
Chenopodium atrovirens	goosefoot	SR	G5
Chenopodium desiccatum	goosefoot	S2	G5
Chenopodium incanum	goosefoot	S1?	G5
Chenopodium leptophyllum	narrow-leaved goosefoot	SU	G5
Chenopodium subglabrum	smooth narrow-leaved goosefoot	S2	G3
Chenopodium watsonii	Watson's goosefoot	S1	G5
Cirsium scariosum	thistle	SU	G5

<u>Common Name</u>	<u>S Rank</u>	<u>G Rank</u>
conimitella	S2	G3
goldthread	S2	G5
common tickseed	S1S2	G5
bugseed	S1?	G5
	SR	G5?
hawk's-beard	S 2	G5
intermediate hawk's-beard	S2	G5
small-flowered hawk's-beard	S2	G5
	SU	G4
small cryptanthe	S 1	G5
Steller's rock brake	S2	G5
common dodder	S1	G5
wild comfrey	S1	G4Q
sand nut-grass	S2	G5
awned nut-grass	S1	G5
stemless lady's-slipper	S2	G5
mountain lady's-slipper	S2	G4G5
mountain bladder fern	S2	G5
California oat grass	S?	G5
poverty oat grass	S1S2	G5
one-spike oat grass	S2	G5
slender hair grass	S1	G5
hot-springs millet	SX	G5T?
Leiberg's millet	SR	G5
sand millet	S 1	G5
mountain dwarf-primula	S1	G4?
downingia	S 1	G5
whitlow-grass	S2	G5
whitlow-grass	S 1	G4
whitlow-grass	S 1	G4G5
Kananaskis whitlow-grass	S1	GIQ
	S2	G4
_	S2S3	G3
Macoun's whitlow-grass whitlow-grass	S2S3 S1S2	G3 G5
	conimitella goldthroad common tickseed bugseed hawk's-heard intermediate hawk's-beard small-flowered hawk's-beard small cryptanthe Steller's rock brake common dodder wild comfrey sand nut-grass awned nut-grass awned nut-grass stemless lady's-slipper mountain lady's-slipper mountain bladder fern California oat grass poverty oat grass one-spike oat grass slender hair grass hot-springs millet Leiberg's millet Leiberg's millet sand millet mountain dwarf-primula downingia whitlow-grass whitlow-grass	conimitellaS2goldthroadS2goldthroadS1S2bugseedS17SRSRhawk's-beardS2intermediate hawk's-beardS2small-flowered hawk's-beardS2small cryptantheS1Steller's rock brakeS2common dodderS1wild comfreyS1sand nut-grassS2awned nut-grassS2mountain lady's-slipperS2mountain bladder fernS2California oat grassS1slender hair grassS1slender hair grassS1kender hair grassS1kender hair grassS1kot-springs milletSRsand milletS1mountain dwarf-primulaS1downingiaS1whitlow-grassS2whitlow-grassS1whitlow-grassS1whitlow-grassS1whitlow-grassS1

Scientific Name	Common Name	<u>S Rank</u>	<u>G Rank</u>
Drosera anglica	oblong-leaved sundew	S2S3	G5
Droscra lincaris	slender-leaved sundew	S2	G1
Dryopteris cristata	crested shield fern	S1	G5
Dryopteris filix-mas	male fern	S 1	G5
Elatine triandra	waterwort	S1	G5
Eleocharis compressa var horealis	flattened spike-rush	SU	G5T5
Eleocharis nitida		SR	G3G4
Eleocharis ovata	Engelmann's spike-rush	S1?	G5
Eleocharis tenuis	slender spike-rush	SU	G5
Ellisia nyctelea	waterpod	S2	G5
Elodea longivaginata	Canada waterweed	S1S2	G4G5
Elymus mollis	American dune grass	S1	G5
Elymus virginicus	Virginia wild rye	S1	G5
Elymus vulpinus		SR	G1Q
Epilobium clavatum	willowherb	S2	G5
Epilobium glaberrimum ssp fastigiatum	willowherb	S1S2	G5T?
Epilobium halleanum	willowherb	S 1	G5
Epilobium lactiflorum	willowherb	S2	G5
Epilobium leptocarpum	willowherb	S 1	G5
Epilobium luteum	willowherb	S 1	G5
Epilobium mirabile	willowherb	SR	G4Q
Epilobium oreganum		SR	G2
Epilobium saximontanum	Rocky Mountain willowherb	S2	G5
Erigeron divergens	fleabane	S 1	G5
Erigeron flagellaris	creeping fleabane	S1	G5
Erigeron hyssopifolius	wild daisy fleabane	S1	G5
Erigeron lackschewitzii		S1	G3Q
Erigeron ochroleucus var ochroleucus		SR	G5T3
Erigeron ochroleucus var scribneri		S2?	G5T5∙
Erigeron pallens	pale alpine fleabane	S2	G5T2?
Erigeron radicatus	dwarf fleabane	S2	G3 .
Erigeron trifidus	trifid-leaved fleabane	S2	G2
Erigeron uncialis		S1?	G3G4
Erigeron uncialis ssp conjugans		SU	G3G4T3
Eriogonum cernuum	nodding umbrella-plant	S2	G5

<u>Scientific Name</u>	Common Name	<u>S Rank</u>	<u>G Rank</u>
Eriogonum ovalifolium var ovalifolium	silver-plant	S2	G5T?
Eriogonum pauciflorum		SU	G5
Eriophorum callitrix	beautiful cotton grass	S2	G5
Eriophorum scheuchzeri	one-spike cotton grass	S2S3	G5
Eupatorium maculatum	spotted Joe-pye weed	S1S2	G5
Fostuca altaica	northern rough fescue	SU	G5
Festuca minutiflora	tiny-flowered fescue	S2	G5
Festuca occidentalis	western fescue	S1	G5
Festuca subulata	fescue	S 1	G5
Festuca vivipara var glabra		SU	G4G5QT?
Franseria acanthicarpa	bur ragweed	S2	G5
Galium bifolium	two-leaved Bedstraw	S 1	G5
Gayophytum racemosum	low willowherb	S1	G5
Gentiana aquatica	marsh gentian	S1S2	G4
Gentiana glauca	alpine gentian	S2	G4G5
Gentianopsis detonsa ssp raupii	northern fringed gentian	S1	G4T?
Geranium carolinianum	Carolina wild geranium	S2	G5
Geranium erianthum	geranium	S1	G5
Glyceria elata	tufted tall manna grass	SU	G4G5
Gnaphalium microcephalum	common cudweed	S 1	G5
Gnaphalium viscosum	clammy cudweed	SH	G5
Gymnocarpium jessoense	northern oak fern	S1S2	G5
Habenaria saccata	slender bog orchid	S2S3	G5
Hackelia ciliata		SR	G3
Halimolobos virgata	halimolobos	S 1	G4
Heliotropium curassavicum	spatulate-leaved heliotrope	S2	G5
Heuchera glabra	alpine alumroot	S 1	G5
Hieracium cynoglossoides	woolly hawkweed	S2S3	G?
Hierochloe alpina	alpine sweet grass	S2	G5
Hippuris montana	mountain mare's-tail	S1	G4
Hordeum pusillum	little barley	SH	G5
Houstonia longifolia	long-leaved bluets	S2	G4G5
Hymenopappus filifolius	tufted hymenopappus	S1S2	G5
Hypericum formosum var scouleri	western St. John's-wort	S2	G5T?
Hypericum majus	large Canada St. John's-wort	S1S2	G5

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Scientific Name	<u>Common Name</u>	<u>S Rank</u>	<u>G Rank</u>
lliamna rivularis	mountain hollyhock	S2	G5
lris missouriensis	western blue flag	S1	G5
Isoetes bolanderi var bolanderi	Bolander's quillwort	S1	G4T4
soctes echinospora	northern quillwort	°S1	G5
soetes howellii		SP	G4G5
lsoetes maritima		S 1	G3?
Isoetes occidentalis		S1	G4G5
Isoetes x truncata		SHYB	HYB
Juncus biglumis	two-glumed rush	S2	G5
Juncus brevicaudatus	short-tail rush	S 1	G5
Juncus confusus	few-flowered rush	S2	G5
Juncus filiformis	thread rush	S2S3	G5
Juncus nevadensis	Nevada rush	S 1	G5
Juncus parryi	Parry's rush	S2 .	G4G5
Juncus regelii	Regel's rush	S1	G5
Juncus stygius var americanus	marsh rush	S2	G5T5
Koenigia islandica	koenigia	S1	G4
Lactuca biennis	tall blue lettuce	S2	G5
Larix occidentalis	western larch	S 2	G5
Lesquerella arctica var purshii	northern bladderpod	S2	G4T?
Lewisia pygmaea var pygmaea	dwarf bitter-root	S2	G5T5
Lewisia rediviva	bitter-root	S 1	G5
Lilaea scilloides	flowering-quillwort	S1	G4 .
Linanthus septentrionalis	linanthus	S1S2	G5
Linaria canadensis	field toad-flax	S 1	G4G5
Listera caurina	western twayblade	S1	G4?
Listera convallarioides	broad-lipped twayblade	S2	G5
Lithophragma glabrum	rockstar	S2	G4G5
Lithophragma parviflorum	small-flowered rockstar	S2	G5
Lobelia dortmanna	water lobelia	S 1	G4
Lobelia spicata	spiked lobelia	S 1	G5
Loiseleuria procumbens	alpine azalea	S 2	G5
Lomatium cous	biscuit-root	S 1	G5
Lomatogonium rotatum	marsh felwort	S2	G5
Lupinus arcticus ssp subalpinus		SU	G?

Scientific Name	Common Name	<u>S Rank</u>	<u>G Rank</u>
Lupinus minimus	least lupine	S2	G3G4
Lupinus polyphyllus	large leaved lupine	S1?	G5
Lupinus wyethii	Wyeth's lupine	S 1	G5
Luzula acuminata	wood-rush	S 1	G5
Luzula groenlandica	wood-rush	S1	G4
Luzula rufescens	reddish wood-rush	S1	G5
Lycopodium inundatum	bog club-moss	S1	G5
Lycopodium selago	mountain club-moss	SU	G5
Lycopodium sitchense	· ground-fir	S2	G5
Lycopus americanus	American water-horehound	S2	G5
Lygodesmia rostrata	annual skeletonweed	S2	G5?
Lysimachia lanceolata	lance-leaved loosestrife	S1S2	G5
Machaeranthera tanacetifolia	tansy aster	SR	G5
Malaxis monophylla	white adder's-mouth	S2	G5
Malaxis paludosa	bog adder's-mouth	S1	G4
Marsilea vestita	hairy pepperwort	S1S2	G5
Melica hitchcockii		SR	G?
Melica smithii	melic grass	S2	G4
Melica spectabilis	onion grass	S2	G5
Mertensia lanceolata	lance-leaved lungwort	S2?	G5
Mertensia longiflora	large-flowered lungwort	S2?	G4G5
Microsteris gracilis	slender phlox	S1S2	G5
Mimulus breweri		S1	G4?
Mimulus floribundus	small yellow monkeyflower	S1S2	G5
Mimulus glabratus	smooth monkeyflower	S1	G5
Mimulus guttatus	yellow monkeyflower	SU	G5
Mimulus tilingii		SU	G5
Minuartia elegans	purple alpine sandwort	S1S2	G4G5
Minuartia yukonensis		SR	G3G4
Monotropa hypopithys	pinesap	S2	G5
Montia linearis	linear-leaved montia	S2	G5
Montia parvifolia	small-leaved montia	S1S2	G4G5
Muhlenbergia asperifolia	scratch grass	S2	G5
Muhlenbergia racemosa	marsh muhly	S1	G5
Munroa squarrosa	false buffalo grass	S1	G5

Scientific Name	Common Name	<u>S Rank</u>	<u>G Rank</u>
Najas flexilis	slender naiad	S1S2	G5
Nemophila breviflora	small baby blue eyes	\$2	G5
Nothocalais cuspidata	prairie false dandelion	S1S2	G5
Nymphaca tetragona ssp leibergii		S 1	G5T5
Nymphaea tetragona ssp tetragona		S1	G5T5
Oenothera andina	upland evening-primrose	S1	G4
Oenothera breviflora	taraxia	S1	G5
Oenothera flava	low yellow evening-primrose	S1	G5
Oenothera psammophila		SU	G3
Oenothera serrulata	shrubby evening-primrose	S2	G5
Onosmodium molle	western false gromwell	S2	G4G5
Oplopanax horridus	devil's-club	S2S3	G4G5
Orobanche ludoviciana	Louisiana broom-rape	S2	G5
Orobanche uniflora	one-flowered cancer-root	S2S3	G5
Oryzopsis canadensis	Canadian rice grass	S1	G5
Oryzopsis exigua	little rice grass	S 1	G5
Oryzopsis micrantha	little-seed rice grass	S2	G5
Osmorhiza longistylis	smooth sweet cicely	S2	G5
Osmorhiza purpurea	purple sweet cicely	S2	G4G5
Oxytropis jordalii ssp jordalii	purple mountain locoweed	S2	G4T4
Oxytropis lagopus var conjugans	hare-footed locoweed	S2	G4T3
Papaver kluanensis	alpine poppy	S2	G3?Q
Papaver pygmaeum	alpine poppy	S2	G3
Parietaria pensylvanica	American pellitory	S2	G5
Parnassia parviflora	small northern grass-of-parnassus	S2	G4
Pedicularis arctica	Arctic lousewort	S2	G4
Pedicularis capitata	large-flowered lousewort	S2	G4
Pedicularis lanata	woolly lousewort	S2	G4G5
Pedicularis racemosa	leafy lousewort	S1	G5
Pedicularis sudetica	purple rattle	S 1	G5 ·
Pellaea gastonyi		S1S2	G2G4
Pellaea glabella	smooth cliff brake	S3?	G5
Penstemon fruticosus var scouleri	shrubby beardtongue	S2	G4T?
Phacelia linearis	linear-leaved scorpionweed	S2	G5
Phacelia lyallii	Lyall's scorpionweed	S2S3	G3G4

Scientific Name	Common Name	<u>S Rank</u>	<u>G Rank</u>
Phegopteris connectilis	northern beech fern	S2	G5
Philadelphus lewisii	mock orange	S 1	G5
Phippsia algida		SR	G5
Physocarpus malvaceus	mallow-leaved ninebark	S 1	G4G5
Physostegia ledinghamii		S2	G3
Pinguicula villosa	small butterwort	S1S2	G4
Pinus monticola	western white pine	SU	G5
Pinus ponderosa	ponderosa pine	S1	G5
Plantago canescens	western ribgrass	S2	G4G5
Plantago maritima	sea-side plantain	S 1	G5
Poa gracillima	Pacific bluegrass	S 2	G4
Poa laxa ssp banffiana		SR	G5?T1
Poa leptocoma	bog bluegrass	\$2 ,	G5
Poa lettermanii	Letterman's bluegrass	S1S2	G4
Poa nervosa	Wheeler's bluegrass	S2	G5
Poa nevadensis	Nevada bluegrass	SU	G5
Poa stenantha	bluegrass	SU	G5
Polanisia dodecandra	clammyweed	S1	G5Q
Polygala paucifolia	fringed milkwort	· S1	G5
Polygonum austiniae	Austin's knotweed	S1	G4
Polygonum engelmannïi	slender knotweed	S1S2	G?
Polygonum minimum	least knotweed	S2	G5
Polygonum watsonii	Watson's knotweed	S1S2	G3G4
Polypodium hesperium	western polypody	S2	G5
Polypodium sibiricum		SU	G5?
Polypodium virginianum	rock polypody	S2	G5
Populus angustifolia	narrow-leaf cottonwood	S2	G5
Potamogeton foliosus	leafy pondweed	S1S2	G5
Potamogeton natans	floating-leaf pondweed	S2	G5
Potamogeton obtusifolius	blunt-leaved pondweed	S2	G5
Potamogeton praelongus	white-stem pondweed	S 2	G5
Potamogeton robbinsii	Robbins' pondweed	S1	G5
Potamogeton strictifolius	linear-leaved pondweed	S1S2	G5
Potentilla drummondii	Drummond's cinquefoil	S2	G5
Potentilla finitima	sandhills cinquefoil	S 1	G?

Scientific Name	Common Name	<u>S Rank</u>	<u>G Rank</u>
Potentilla hookeriana	Hooker's cinquefoil	S1S2	G4
Potentilla macounii		S1?	G2?
Potentilla multifida	branched cinquefoil	S 1	G5
Potentilla multiseeta	smooth-leaved cinquefoil	S 1	G3G4Q
Potentilla paradoxa	bushy cinquefoil	S2	G5
Potentilla plattensis	low cinquefoil	S 2	G4
Potentilla subjuga	· · · · · · · · · · · · · · · · · · ·	S1	G3?
Potentilla villosa	hairy cinquefoil	S2S3	G4
Prenanthes alata	white lettuce	S1	G5
Prenanthes sagittata	purple rattlesnakeroot	S2	G3G4
Primula egaliksensis	primrose	S2	G4
Primula stricta	erect primrose	S1S2	G4
Psilocarphus elatior	woollyheads	S2	G4Q
Psoralea argophylla	silverleaf psoralea	S2S3	G5
Pterospora andromedea	pine-drops	S2	G5
Puccinellia cusickii	Cusick's salt-meadow grass	SU	G3G4
Puccinellia distans ssp hauptiana		S1	G3G4
Puccinellia pauciflora	few-flowered salt-meadow grass	S1	G?
Pyrola grandiflora	Arctic wintergreen	S2	G5
Pyrola picta	white-veined wintergreen	S1	G4G5
Ranunculus eximius		SP	G4Q
Ranunculus glaberrimus	early buttercup	S2	G5
Ranunculus grayi	Gray's buttercup	S2	G4G5
Ranunculus nivalis	snow buttercup	S 1	G5
Ranunculus occidentalis var brevistylis	western buttercup	S2	G5T5
Ranunculus uncinatus	hairy buttercup	S2	G5
Ranunculus verecundus	alpine buttercup	S2	G5
Rhododendron lapponicum	Lapland rose-bay	S2	G5
Rhynchospora capillacea	slender beak-rush	S 1	G5
Ribes laxiflorum	mountain currant	S2	G5
Romanzoffia sitchensis	Sitka romanzoffia	S2	G4
Rorippa curvipes	yellow cress	SU	G5
Rorippa sinuata	spreading yellow cress	S2	G5
Rorippa tenerrima	slender cress	S2	G5

Scientific Name	Common Name	<u>S Rank</u>	<u>G Rank</u>
Rumex paucifolius	alpine sheep sorrel	S1	G4
Ruppia maritima	widgeon grass	. S2	G5
Sagina decumbens	spreading pearlwort	S 1 ·	G5
Sagina nivalis	pearlwort	SU	G5
Sagina nodosa	pearlwort	S1	G5
Sagittaria latifolia	broad-leaved arrowhead	S 1	G5
Salix alaxensis var alaxensis	Alaska willow	S2	G5T?
Salix commutata	changeable willow	S1	G5
Salix lanata ssp calcicola	woolly willow	S2	G4T4
Salix planifolia ssp tyrrellii		SR	G5T2
Salix raupii	Raup's willow	S 1	G2
Salix sitchensis	Sitka willow	S 1	G5
Salix stolonifera	willow	S1	G4G5
Sarracenia purpurea	pitcher-plant	S2	G5
Saussurea americana	American saw-wort	S1	G5
Saxifraga ferruginea	saxifrage	S2	G5
Saxifraga flagellaris ssp setigera	spiderplant	S2	G5T?
Saxifraga nelsoniana ssp porsildiana	Nelson's saxifrage	S2	G5T3T
Saxifraga nivalis	alpine saxifrage	· S2	G4G5
Saxifraga odontoloma	saxifrage	S1?	G5
Saxifraga oregana var montanensis	Oregon saxifrage	SU	G4G57
Saxifraga subapetala		SR	G2G3Q
Schizachyrium scoparium var scoparium	little bluestem	S2	G5T?
Scirpus clintonii	Clinton's bulrush	S1	G4
Scirpus fluviatilis	river bulrush	S 1	G5
Scirpus pallidus	pale bulrush	S1	G5
Scirpus pumilus var rollandii	dwarf bulrush	S2	G?T3
Scirpus rufus	Red Bulrush	S 1	G5
Sedum divergens	spreading stonecrop	S 2	G5?
Selaginella wallacei	Wallace's little club-moss	S 1	G5
Senecio cymbalarioides	ragwort	S1	G5
Senecio integerrimus var ochroleucus		SR	G5T?
Silene antirrhina	sleepy catchfly	SE?	G5
Silene furcata	alpine bladder catchfly	S2	G5
Sisyrinchium septentrionale	pale blue-eyed grass	S2	G3G4

<u>Scientific Name</u>	Common Name	<u>S Rank</u>	<u>G Rank</u>
Sitanion hystrix	squirreltail	S2	G5
Sparganium fluctuans	bur-reed	S 1	G5
Sparganium glomeratum	bur-reed	S 1	G4?
Sparganium hyperboreum	northern bur-reed	S1	G5
Spartina pectinata	prairie cord grass	S1	G5
Spergularia marina	salt marsh sand spurry	S2	G5
Sphenopholis obtusata	prairie wedge grass	S2	G5
Spiraca densiflora	pink meadowsweet	S 1	G5
Spiranthes lacera	northern slender ladies'-tresses	S1	G5
Stellaria americana	American chickweed	S1	G3G4
Stellaria arenicola	sand-dune chickweed	S1 ·	G3
Stellaria crispa	wavy-leaved chickweed	S2	G5
Stellaria nitens		SR	G5
Stellaria obtusa	chickweed	S 1	G5
Stellaria umbellata	chickweed	S1S2	G5
Stephanomeria runcinata	rush-pink	S2	G5
Streptopus roseus	rose mandarin	S 1	G5
Streptopus streptopoides	twisted-stalk	S1	G5
Suaeda moquinii	Moquin's sea-blite	S2	G5
Suckleya suckleyana	poison suckleya	S2	G5
Suksdorfia ranunculifolia	suksdorfia	S2	G5
Suksdorfia violacea	blue suksdorfia	S1S2	G4 ·
Tanacetum huronense	Indian tansy	S1	G5Q
Taxus brevifolia	western yew	S1	G4
Telesonix heucheriformis	telesonix	S2	G4
Tellima grandiflora	fringe-cups	S1?	G5
Thelesperma marginatum	greenthread	S1	G5
Thellungiella salsuginea	mouse-ear cress	S1	G4G5
Thuja plicata	western red cedar	S2	G5
Torreyochloa pallida var fernaldii		S?	G5?T4Q
Townsendia condensata	alpine townsendia	S 1	G4
Townsendia exscapa	low townsendia	S1S2	G5
Tradescantia occidentalis	western spiderwort	S 1	G5
Triantha occidentalis ssp brevistyla		SU	G5T4
Triantha occidentalis ssp montana		SU	G5T?

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Scientific Name	Common Name	<u>S Rank</u>	<u>G Rank</u>
Trillium ovatum	western wakerobin	S1	G5
Trisctum cancscons	tall trisetum	S 1	G?
Trisetum cernuum	nodding trisetum	S2?	G5
Trisetum montanum	mountain trisetum	S1S2	G4G5
Trisetum wolfii	awnless trisetum	S1	G4
Tsuga heterophylla	western hemlock	S1	G5
Typha angustifolia	narrow-leaved cattail	SE?	G5
Utricularia cornuta	horned bladderwort	S1	G5
Vaccinium ovalifolium	oval-leaved blueberry	S2	G5
Vaccinium uliginosum	bog bilberry	S2S3	G5
Veronica catenata	water speedwell	S1S2	G5
Veronica serpyllifolia	thyme-leaved speedwell	S2	G?
Viola macloskeyi var pallens	Macloskey's violet	S1S2	G5T5
Viola pedatifida	crowfoot violet	S1S2	G5
Viola praemorsa ssp linguifolia		S2	G5T5
Wolffia columbiana	watermeal	S2	G5
Woodsia glabella	smooth woodsia	S 1	G5
Yucca glauca	soapweed	S1	G5

Appendix 3b.	Non-vascular Plan	t Elements of S	pecial Conservation	Concern.

Scientific Name	Common Name	<u>S Rank</u>	<u>G Rank</u>
Aloina brevirostris	short-beaked rigid screw moss	S2	G3G5
Aloina rigida	aloe-like rigid screw moss	S2	G3G5
Amblyodon dealbatus		S2	G3G5
Amphidium mougeotii		S1	G5
Andreaca alpestris		S1	G?
Andreaea blyttii		S1	G5
Andreaea nivalis.	red rock moss	\$2	G5
Andreaea rupestris	black rock moss	S2	G5
Anoectangium aestivum		S1	G3G5
Anomobryum filiforme		S2	G4
Anomodon minor		S1	G5
Aongstroemia longipes		S2	G?
Arctoa fulvella	· · · · · · · · · · · · · · · · · · ·	S1	G3G5
Atrichum undulatum	undulated crane's bill moss	S1S2	G5
Aulacomnium androgynum		S2	G5
Barbula coreensis		S 1	G?
Bartramia halleriana		S 1	G4G5
Blindia acuta	sharp-pointed weissia	S1S2	G5
Brachythecium acutum		SU	G?Q
Brachythecium albicans		S2?	G5
Brachythecium campestre		S2	G4G5Q
Brachythecium erythrorrhizon		S2	G5
Brachythecium hylotapetum		S2	G?
Brachythecium leibergii		S2	G?
Brachythecium nelsonii		S2	G?
Brachythecium plumosum		S2	G5
Brachythecium reflexum		S1	G4G5
Brachythecium rutabulum		S2?	G5
Bryobrittonia longipes		S3	G3
Bryoerythrophyllum ferruginascens	red leaf moss	S2	G4
Bryohaplocladium virginianum		SU	G5
Bryum algovicum		S2	G4G5
Bryum amblyodon		S 1	G?
Bryum arcticum		81	G?

Bryam calobryoidesS1G3Dryam calophyllumS1C?Bryam dichotonumS1G4G5Bryam dichotonumS1G3G4Bryam kowlioniiS1G3G4Bryam marcatiiS1G3G4Bryam mellenko-kiiS1G3G4Bryam mellenko-kiiS1G3G4Bryam mellenko-kiiS1G4G5Bryam mellenko-kiiS1G3G4Bryam mellenko-kiiS1G3G4Bryam pallensS2G5Bryam schleicheriS1G3G4Bryam strioniiS1G?Bryam strioniiS1G3Bryam strioniiS1G3Bryam strioniiS1G3Bryam strioniiS1G3Bryam strioniiS1G3Bryam strioniiS1G3Bryam strioniiS2G3Bryam strioniiS2G3Bryam strioniiS2G3Bryam strioniiS2G3Bryam strioniiS2G3Campylium polygamumS3G5Campylium polygamumS3G3Campylium radicaleS1G3G5Caracindon cribrosusS2G7Caceinodon calpytratussieve-toothed mossS2Cynodontium glacescensglaucous shield mossS1G3G4Cynodontium strumiferumS2G3G3G5Cynodontium strumiferumS2G3G5G3G5Cynodontium strumiferumS2G3G5G3G5 <th>Scientific Name</th> <th>Common Name</th> <th><u>S Rank</u></th> <th><u>G Rank</u></th>	Scientific Name	Common Name	<u>S Rank</u>	<u>G Rank</u>
Bryum cyclophyllum S1 G4G5 Bryum khowlonii S1 G3G4 Bryum khowlonii S1 G3G4 Bryum marvatii S1 G3G4 Bryum marvatii S1 G3G4 Bryum marvatii S1 G3G4 Bryum marvatii S1 G4G5 Bryum pathens S2 G4G5 Bryum pathens S2 G4G5 Bryum pathens S1 G3G4 Bryum pathens S1 G3G4 Bryum schleicheri S1 G3G4 Bryum urbrinatum S1S2 G7 Bryum turbinatum S1 G3G5 Buchaunia aphylla bug on a stick S2 G3G5 Buchaunia aphylla bug on a stick S2 G3 Buchaunia aphylla S1 G3G5 G7 Claopodium bolanderi S2 G3 G3 Conardia compacta S1 G3 G3 Cynodontium schisti S1 G3 G3 Cynodontium schisti S1 G3 G3 Cynodontium	Bryum calobryoides		S1	G3
Bryum klokotomum \$1 \$35 Bryum kovationii \$1 \$364 Bryum mariatii \$1 \$364 Bryum mesioides \$R \$364 Bryum mesioides \$R \$364 Bryum mesioides \$R \$364 Bryum mesioides \$R \$364 Bryum patlens \$1 \$465 Bryum patlens \$2 \$6465 Bryum purpurascens \$1 \$364 Bryum stritonii \$1 \$364 Bryum diginosum \$1 \$67 Bryum diginosum \$1 \$1 \$2 Bruchaumia aphylla bug on a stick \$2 \$3 Bruchaumia viridis green shield moss \$1 \$4 Campylium radicale \$1 \$3 \$5 Campylium radicale \$1 \$2 \$6 Conardia compacta \$2 \$6 \$2 Coscindon cribrosus \$1 \$3 \$3 Cynodontium strumiferum \$2 \$3 <td>Bryum calophyllum</td> <td></td> <td>S1</td> <td>G?</td>	Bryum calophyllum		S1	G?
Bryum knowltoniiS1G3G4Bryum mariatiiS1G3G4Bryum mariatiiS1G3G4Bryum meeisoidesSRG3G4Bryum muchlenheekiiS1G4G5Bryum pallensS2G4G5Bryum pallensS2G5Bryum pallensS1G3G4Bryum pallescensS1G3G4Bryum schleicheriS1G3Bryum schleicheriS1G?Bryum schleicheriS1G?Bryum urbinatumS1S2G3Bryum urbinatumS1S1Bryum urbinatumS1G4Bryum urbinatumS1G3Bucbaumia aphyllabug on a stickS2Bucbaumia aphyllagreen shield mossS1Campylium radicaleS1G3Cinarpdia compactaS2G?Coscinodon calypratussieve-toothed mossS2Cynodontium glaucescensglaucous shield mossS1Cynodontium schistiS1G3G5Cynodontium schistiS1G3G5Cynodontium schistiS1G3G5Cynodontium schistiS1G3G5Desmatodon gruppitiRaG3G5Desmatodon laureriS1G3G5Desmatodon laureriS1G3G5Desmatodon laureriS1G3G5Desmatodon laureriS1G3G5Desmatodon laureriS1G3G5Desmatodon laureriS2G3Desmatodon laureriS1G3G5 </td <td>Bryum cyclophyllum</td> <td></td> <td>S1</td> <td>G4G5</td>	Bryum cyclophyllum		S1	G4G5
Byum maratiiS1G3G4Bryum meesioidesSRG3G4Ryum muchlenhorckiiSIG4G5Bryum pallensS2G4G5Bryum pallescensS2G5Bryum pallescensS1G3G4Bryum pallescensS1G3G4Bryum schleicheriS1G7Bryum urbinatumS1S2G7Bryum urbinatumS1S2G3G5Bryum urbinatumS1G3G5Bryum urbinatumS1G3G5Bryum urbinatumS1G3G5Bryum urbinatumS1G3G5Bryum urbinatumS1G3G5Bryum urbinatumS1G3G5Bryum urbinatumS1G3G5Campyliam polygamumS1G3G5Campyliam radicaleS1G3G5Cirriphyllum cirrosumS2G?Claopodium bolanderiS2G?Coscinodon calyptratussieve-toothed mossS2Coscinodon calyptratussieve-toothed mossS1Cynodontium glaucescensglaucous shield mossS1Cynodontium strumiferumS2G3G5Cynodontium strumiferumS2G3G5Desmatodon cernuasnarrow-leafed chain-teeth mossS1Desmatodon heimiilong-stalked beardless mossS2Desmatodon heimiilong-stalked beardless mossS2Desmatodon heimiilong-stalked beardless mossS2Desmatodon heimiilong-stalked beardless mossS2Desmatodon heimiilong-stal	Bryum dichotomum		S1 .	G5?
Bryum messioides SR G3G4 Rryum muchtenhockii S1 G4G5 Bryum pallens S2 G5 Bryum pallescens S2 G5 Bryum pallescens S1 G3G4 Bryum schleicheri S1 G3 Bryum schleicheri S1 G7 Bryum schleicheri S1 G7 Bryum schleicheri S1 G7 Bryum utrubinatum S1 S2 G3G5 Bryum utrubinatum S1 S2 G3G5 Bryum utrubinatum S2 G3G5 G3G5 Bryum utrubinatum S2 G3G5 G3G5 Bryum utrubinatum S2 G3G5 G3G5 Bryum nolygamum S3 G5 G3G5 Campylium nolygamum S1 G3G5 G3G5 Conardia compacta S2 G? G? Coscinodon calyptratus sieve-toothed moss S1 G3G5 Cynodontium glaucescens glaucous shield moss S1 G3G5 </td <td>Bryum knowltonii</td> <td></td> <td>S1</td> <td>G3G4</td>	Bryum knowltonii		S1	G3G4
Prynum muchlenhockiiSIG4G5Bryum pallesS2G4G5Bryum pallescensS2G5Bryum pallescensS1G3G4Bryum schleicheriS1G?Bryum schleicheriS1G?Bryum schleicheriS1G?Bryum schleicheriS1G?Bryum schleicheriS1G3G5Bryum durbinatumS1G5Bryum diginosumS2G3G5Bucbaumia aphyllabug on a stickS2G3Bucbaumia viridisgreen shield mossS1G4Campylium radicaleS1G3G5G?Cirriphyllum cirrosumS2G?G?Claopodium bolanderiS2G3G5G?Coscinodon cahpytratussieve-toothed mossS2G?Coscinodon cirbosusS1G3G5G3G5Cynodontium glaucescensglaucous shield mossS1G3G5Cynodontium schistiS2G?G3G5Cynodontium neellumS2G?G3G5Desmatodon cernuusnarrow-leafed chain-teeth mossS1G3G5Desmatodon neipriniIong-stalked beardless mossS2G?Desmatodon laueriS1G3G5G3G5Desmatodon laueriS1G3G5G?Desmatodon laueriS1G3G5G3G5Desmatodon laueriS1G3G5G?Desmatodon laueriS1G3G5G?Desmatodon laueriS1G3G5G?De	Bryum marratii		S 1	G3G4
Bryum pallens \$2 G4G5 Bryum pallescens \$1 G3G4 Bryum purpurascens \$1 G3G4 Bryum schleicheri \$1 G? Bryum schleicheri \$1 G? Bryum schleicheri \$1 G3G4 Bryum schleicheri \$1 G? Bryum schleicheri \$1 G? Bryum schleicheri \$1 G? Bryum schleicheri \$1 G? Bryum stirtonii \$1 S2 G3G5 Bryum dilginosum \$1 G4 S2 G3 Bryum liginosum \$2 G3G5 S1 G4 Buxbaumia aphylla bug on a stick \$2 G3 Buxbaumia viridis green shield moss \$1 G4 Campyllium radicale \$1 G3G5 G7 Chriphyllum cirrosum \$2 G? G2 G2 Coraciadia compacta \$2 G? G3G5 Coscinodon calyptratus sieve-toothed moss \$1 G3G5 Cynodontium schisti \$1 G3G5	Bryum meesioides		SR	G3G4
Bryum pallescens S2 G5 Bryum purpurascens S1 G3G4 Bryum schleicheri S1 G? Bryum schleicheri S1 G? Bryum schleicheri S1 G? Bryum stirtonii S1S2 G? Bryum stirtonii S1S2 G? Bryum urbinatum S1 S2 G3G5 Bryum uliginosum S2 G3G5 Bucbaumia aphylla bug on a stick S2 G3 Bucbaumia aphylla bug on a stick S2 G3 Bucbaumia ciridis green shield moss S1 G4 Campylium polygamum S3 G5 G5 Campylium cirrosum S2 G? G3G5 Ciaropodium bolanderi S2 G? G3G5 Coscinodon calyptratus sieve-toothed moss S2 G? Coscinodon calyptratus sieve-toothed moss S1 G3G4 Cynodontium glaucescens glaucous shield moss S1 G3G5 Cynodontium schisti S1 G3G5 G? Cynodontium tenell	Rryum muehlenbeckii		S1	G4G5
Bryun purpurascens S1 G3G4 Bryun schleicheri S1 G? Bryun stritonii S1S2 G? Bryun stritonii S1S2 G? Bryun urbinatum SU G5 Bryun uliginosum S2 G3G5 Buxbaumia aphylla bug on a stick S2 G3 Buxbaumia viridis green shield moss S1 G4 Campylium polygamum S3 G5 G5 Campylium cirrosum S1 G3G5 G7 Claopodium bolanderi S2 G3 G3 Conardia compacta S2 G3 G3 Coscinodon calyptratus sieve-toothed moss S2 G3 Cynodontium glaucescens glaucous shield moss S1 G3G5 Cynodontium teneiltum S2 G3 G3 Desma	Bryum pallens		S2	G4G5
Bryum schleicheri S1 G? Bryum stirtonii S1S2 G? Bryum stirtonii SU G5 Bryum utubinatum SU G5 Bryum uliginosum S2 G3G5 Buxbaumia aphylla bug on a stick S2 G3 Buxbaumia viridis green shield moss S1 G4 Campylium polygamum S3 G5 G5 Campylium radicale S1 G3G5 G7 Claopodium bolanderi S2 G3 G3 Conardia compacta S2 G3 G3 Coscinodon calyptratus sieve-toothed moss S1 G3G5 Cynodontium glaucescens glaucous shield moss S1 G3G5 Cynodontium schisti S1 G3G5 G3G5 Cynodontium tenellum S2 G3 G3G5 Cynodontium tenellum S1 S2 G3G5 Desmatodon guepinit S1 G3G5 G3G5 Desmatodon leucostoma narrow-leafed chain-teeth moss S1 G3G5 Desmatodon heimii long-stalked beardless mos	Bryum pallescens		S2	G5
Bryum stirtonii SIS2 G? Bryum turbinatum SU G5 Bryum uliginosum S2 G3G5 Buxbaumia aphylla bug on a stick S2 G3 Buxbaumia viridis green shield moss S1 G4 Campylium polygamum S3 G5 G7 Campylium radicale S1 G3G5 G7 Cirriphyllum rirrosum S2 G? G3G5 Cirriphyllum cirrosum S2 G3 G3 Conardia compacta S2 G3 G3 Coscinodon calyptratus sieve-toothed moss S2 G3 Coscinodon calyptratus sieve-toothed moss S1 G3G5 Cynodontium glaucescens glaucous shield moss S1 G3G5 Cynodontium schisti S1 G3G5 G3G5 Cynodontium tenelhum S2 G3 G3G5 Desmatodon guepinii S1 G3G5 G3G5 Desmatodon heimii Iong-stalked beardless moss S1 G3G5 Desmatodon heimii Iong-stalked beardless moss S2 G5	Bryum purpurascens		S 1	G3G4
Bryum turbinatumSUG5Bryum uliginosumS2G3G5Bucbaumia aphyllabug on a stickS2G3Bucbaumia viridisgreen shield mossS1G4Campylium polygamumS3G5G3Campylium radicaleS1G3G5G7Cirriphyllum cirrosumS2G1G3Claopodium bolanderiS2G3G3Conardia compactaS2G3G3Coscinodon calyptratussieve-toothed mossS2G3Coscinodon cribrosusS1G3G5G3Cynodontium glaucescensglaucous shield mossS1G3G5Cynodontium schistiS1G3G5G3Cynodontium nenelhumS2G3G3Cynodontium tenelhumS2G3G3Desmatodon guepiniinarrow-leafed chain-teeth mossS1G3G5Desmatodon heimiilong-stalked beardless mossS2G5Desmatodon laureriS1G3G5G3Desmatodon laureriS2G5G3Desmatodon laureriS2G5G3Desmatodon laureriS2G5G3Desmatodon laureriS2G5G3Desmatodon laureriS2G5G3Desmatodon laureriS2G5G3Desmatodon laureriS2G5G3Desmatodon laureriS2G5G3Desmatodon laureriS2G5G3Desmatodon laureriS2G5<	Bryum schleicheri		S 1	G?
Bryum uliginosumS2G3G5Buxbaumia aphyllabug on a stickS2G3Buxbaumia viridisgreen shield mossS1G4Campylium polygamumS3G5Campylium radicaleS1G3G5Cirriphyllum cirrosumS2G?Claopodium bolanderiS2G4Conardia compactaS2G3G5Coscinodon calyptratussieve-toothed mossS2G3G5Cynodontium glaucescensglaucous shield mossS1G3G5Cynodontium strumiferumS2G3G5G3G5Cynodontium tenellumS1G3G5G3G5Desmatodon cernuusnarrow-leafed chain-teett mossS1G3G5Desmatodon heimiilong-stalked beardless mossS2G5Desmatodon laureriS1G3G5G3G5Desmatodon laureriS1G3G5G7Desmatodon laureriS1G3G5G3G5Desmatodon laureriS1G3G5G7Desmatodon laureriS1G7G7 </td <td>Bryum stirtonii</td> <td>· · · · · · · · · · · · · · · · · · ·</td> <td>S1S2</td> <td>G?</td>	Bryum stirtonii	· · · · · · · · · · · · · · · · · · ·	S1S2	G?
Buxbaumia aphylla bug on a stick S2 G3 Buxbaumia viridis green shield moss S1 G4 Campylium polygamum S3 G5 Campylium radicale S1 G3G5 Cirriphyllum cirrosum S2 G? Claopodium bolanderi S2 G3G5 Conardia compacta S2 G3G5 Coscinodon calyptratus sieve-toothed moss S2 G3G5 Cynodontium glaucescens glaucous shield moss S1 G3G5 Cynodontium schisti S1 G3G5 G3G5 Cynodontium tenellum S2 G3G5 G3G5 Cynodontium tenellum S2 G3G5 G3G5 Desmatodon cernuus narrow-leafed chain-teeth moss S1 G3G5 Desmatodon heimii long-stalked beardless moss S1 G3G5 Desmatodon laureri S1 G3G5 G3G5 Desmatodon laureri S1 G3G5 G3G5 Desmatodon laureri S1 G3G5 G3G5	Bryum turbinatum		SU	G5
Buxbaumia viridisgreen shield mossS1G4Campylium polygamumS3G5Campylium radicaleS1G3G5Cirriphyllum cirrosumS2G?Claopodium bolanderiS2G4Conardia compactaS2G3G5Coscinodon calyptratussieve-toothed mossS2G?Coscinodon cribrosusS1G3G4Cynodontium glaucescensglaucous shield mossS1G3G5Cynodontium schistiS1G3G5Cynodontium tenellumS2G?Cyrtomnium hymenophylloidesS1S2G3Desmatodon laureriSRG3G5Desmatodon heimiilong-stalked beardless mossS2G?Desmatodon laureriS1G3G5G3G5Desmatodon laureriS1G3G5G?Desmatodon laureriS1G3G5G?Desmatodon laureriS1G?G?Desmatodon laureriS2G?G?Desmatodon laureriS2G?G?Desmatodon laurer	Bryum uliginosum		S2	G3G5
Campylium polygamumS3G5Campylium radicaleS1G3G5Cirriphyllum cirrosumS2G?Claopodium bolanderiS2G4Conardia compactaS2G3G5Coscinodon calyptratussieve-toothed mossS2G?Coscinodon cribrosusS1G3G5Cynodontium glaucescensglaucous shield mossS1G3G5Cynodontium schistiS1G3G5Cynodontium strumiferumS2G?Cyrodontium tenellumS2G?Cyrodontium hymenophylloidesS1S2G5?Desmatodon laureriS1G3G5Desmatodon laureriS1G3G5Desmatodon laureriS1G3Desmatodon leucostomaS2G?S2G?G3Costination leucostomaS2G3Costination leucosto	Buxbaumia aphylla	bug on a stick	S2	G3
Campylium radicaleS1G3G5Cirriphyllum cirrosumS2G?Claopodium bolanderiS2G4Conardia compactaS2G3G5Coscinodon calyptratussieve-toothed mossS2G?Coscinodon cribrosusS1G3G4Cynodontium glaucescensglaucous shield mossS1G3G5Cynodontium schistiS1G3G5Cynodontium tenellumS2G?Cynodontium tenellumS2G?Cyrodontium tenellumS1S2G?Desmatodon cernusnarrow-leafed chain-teeth mossS1Desmatodon heimiilong-stalked beardless mossS2G?Desmatodon laureriS1G?G?Desmatodon leucostomaS2G?G?Corroma CorronaS2G?G?CorronaS2G?G?CorronaS2G?G?CorronaS2G?G?CorronaS2G?G?CorronaS2G?G?CorronaS2G?G?CorronaS2G?G?CorronaS2G?G?CorronaS2G?G?CorronaS2G?G?CorronaS2G?G?CorronaS2G?G?CorronaS2G?G?CorronaS2G?G?CorronaS2G?G?CorronaS2G?G? </td <td>Buxbaumia viridis</td> <td>green shield moss</td> <td>S1</td> <td>G4</td>	Buxbaumia viridis	green shield moss	S1	G4
Cirriphyllum cirrosumS2G?Claopodium bolanderiS2G4Conardia compactaS2G3G5Coscinodon calyptratussieve-toothed mossS2G?Coscinodon cribrosusS1G37G37Cynodontium glaucescensglaucous shield mossS1G3G4Cynodontium schistiS1G3G5G?Cynodontium strumiferumS2G?G3G5Cynodontium tenellumS2G?G?Cyrtomnium hymenophylloidesS1S2G5?G5?Desmatodon guepiniiIong-stalked beardless mossS2G5Desmatodon laureriS1G3G5G?Desmatodon laucostomaS1G?G?	Campylium polygamum		S3	G5
Claopodium bolanderiS2G4Conardia compactaS2G3G5Coscinodon calyptratussieve-toothed mossS2G?Coscinodon cribrosusS1G3?Cynodontium glaucescensglaucous shield mossS1G3G4Cynodontium schistiS1G3G5Cynodontium strumiferumS2G?Cynodontium tenellumS2G?Cyrtomnium hymenophylloidesS1S2G?Desmatodon cernuusnarrow-leafed chain-teeth mossS1G3G5Desmatodon heimiilong-stalked beardless mossS2G5Desmatodon laureriS1G?G?Desmatodon leucostomaS1G?G?	Campylium radicale		S 1	G3G5
Conardia compactaS2G3G5Coscinodon calyptratussieve-toothed mossS2G?Coscinodon cribrosusS1G3?Cynodontium glaucescensglaucous shield mossS1G3G4Cynodontium schistiS1G3G5Cynodontium strumiferumS2G3G5Cynodontium tenellumS2G?Cyrtomnium hymenophylloidesS1S2G5?Desmatodon cernuusnarrow-leafed chain-teeth mossS1G3G5Desmatodon heimiilong-stalked beardless mossS2G5Desmatodon laureriS1G?S1G?Desmatodon leucostomaS1G?S1G?	Cirriphyllum cirrosum		S2	G?
Coscinodon calyptratussieve-toothed mossS2G?Coscinodon cribrosusS1G3?Cynodontium glaucescensglaucous shield mossS1G3G4Cynodontium schistiS1G3G5Cynodontium strumiferumS2G3G5Cynodontium tenellumS1S2G?Cyrtomnium hymenophylloidesS1S2G3G5Desmatodon cernuusnarrow-leafed chain-teeth mossS1G3G5Desmatodon heimiilong-stalked beardless mossS2G5Desmatodon laureriS1G3G3Desmatodon laureriS1G3G3CostG3G3G3G3CostG3G3G3G3CostG3G3G3G3CostG3G3G3G3CostG3G3G	Claopodium bolanderi		S2	G4
Coscinodon cribrosusS1G3?Cynodontium glaucescensglaucous shield mossS1G3G4Cynodontium schistiS1G3G5Cynodontium strumiferumS2G3G5Cynodontium tenellumS2G?Cyrtomnium hymenophylloidesS1S2G5?Desmatodon cernuusnarrow-leafed chain-teeth mossS1G3G5Desmatodon guepiniiSRG3G5Desmatodon heimiilong-stalked beardless mossS2G5Desmatodon laureriS1G?Desmatodon leucostomaS1G?	Conardia compacta		S2	G3G5
Cynodontium glaucescensglaucous shield mossS1G3G4Cynodontium schistiS1G3G5Cynodontium strumiferumS2G3G5Cynodontium tenellumS2G?Cyrtomnium hymenophylloidesS1S2G5?Desmatodon cernuusnarrow-leafed chain-teeth mossS1G3G5Desmatodon guepiniiSRG3G5Desmatodon heimiilong-stalked beardless mossS2G5Desmatodon laureriS1G?Desmatodon leucostomaS1G?	Coscinodon calyptratus	sieve-toothed moss	S2	G?
Cynodontium schistiS1G3G5Cynodontium strumiferumS2G3G5Cynodontium tenellumS2G?Cyrtomnium hymenophylloidesS1S2G5?Desmatodon cernuusnarrow-leafed chain-teeth mossS1G3G5Desmatodon guepiniiSRG3G5Desmatodon heimiilong-stalked beardless mossS2G5Desmatodon laureriS1G?G?Desmatodon leucostomaS1G?G?	Coscinodon cribrosus		S1	G3?
Cynodontium strumiferumS2G3G5Cynodontium tenellumS2G?Cyrtomnium hymenophylloidesS1S2G5?Desmatodon cernuusnarrow-leafed chain-teeth mossS1G3G5Desmatodon guepiniiSRG3G5G3G5Desmatodon heimiilong-stalked beardless mossS2G5Desmatodon laureriS1G?G?Desmatodon leucostomaS2G?G?	Cynodontium glaucescens	glaucous shield moss	S1	G3G4
Cynodontium tenellumS2G?Cyrtomnium hymenophylloidesS1S2G5?Desmatodon cernuusnarrow-leafed chain-teeth mossS1G3G5Desmatodon guepiniiSRG3G5Desmatodon heimiilong-stalked beardless mossS2G5Desmatodon laureriS1G?Desmatodon leucostomaS2G?	Cynodontium schisti		S1	G3G5
Cyrtomnium hymenophylloidesS1S2G5?Desmatodon cernuusnarrow-leafed chain-teeth mossS1G3G5Desmatodon guepiniiSRG3G5Desmatodon heimiilong-stalked beardless mossS2G5Desmatodon laureriS1G?Desmatodon leucostomaS2G?	Cynodontium strumiferum		S2	G3G5
Desmatodon cernuusnarrow-leafed chain-teeth mossS1G3G5Desmatodon guepiniiSRG3G5Desmatodon heimiilong-stalked beardless mossS2G5Desmatodon laureriS1G?Desmatodon leucostomaS2G?	Cynodontium tenellum		S2	G?
Desmatodon guepiniiSRG3G5Desmatodon heimiilong-stalked beardless mossS2G5Desmatodon laureriS1G?Desmatodon leucostomaS2G?	Cyrtomnium hymenophylloides		S1S2	G5?
Desmatodon heimiilong-stalked beardless mossS2G5Desmatodon laureriS1G?Desmatodon leucostomaS2G?	Desmatodon cernuus	narrow-leafed chain-teeth moss	S 1	G3G5
Desmatodon laureriS1G?Desmatodon leucostomaS2G?	Desmatodon guepinii		SR	G3G5
Desmatodon leucostoma S2 G?	Desmatodon heimii	long-stalked beardless moss	S2	G5
	Desmatodon laureri		S1	G?
Desmatodon randit S1 0203	Desmatodon leucostoma		S2	G?
	Desmatodon randii		S1	G2G3

Scientific Name	Common Name	<u>S Rank</u>	<u>G Rank</u>
Desmatodon systylius	·	S 2	G4G5
Dichelyma falcatum		S1	G4G5
Dichodontium olympicum		S1	G?
Dicranella cerviculata	red necked fork moss	SR	G?
Dicranella crispa	curl-leaved fork moss	S2	G?
Dicranella heteromalla	silky fork moss	S 1	G?
Dicranella palustris	drooping-leaved fork moss	S1?	G?
Dicranella subulata	awl-leaved fork moss	S2S3	G?
Dicranum angustum	cushion moss	S1S2	G?
Dicranum majus	greater fork moss	S1	G4G5
Dicranum ontariense	cushion moss	S1	G4G5
Dicranum pallidisetum	alpine curly heron's bill moss	S1	G?
Dicranum spadiceum	cushion moss	S2S3	G?
Dicranum tauricum	broken-leaf moss	S1S2	G4
Didymodon asperifolius		S?	G3G5
Didymodon fallax	fallacious screw moss	S2	G5
Didymodon johansenii		S2	G?
Didymodon nigrescens		S 1	G?
Didymodon rigidulus	rigid screw moss	S2	G5
Didymodon subandreaeoides		S2	G?
Didymodon tophaceus	blunt-leaved hair moss	S2	G5
Didymodon vinealis	•	S1	G5
Discelium nudum	naked weissia	S1	G3G4
Ditrichum montanum		S 1	G?
Drepanocladus brevifolius	brown moss	S 1	G?
Drepanocladus capillifolius	brown moss	S 1	G?
Drepanocladus crassicostatus	brown moss	S1	G?
Dryptodon patens	spreading fringe moss	S2	G4G5
Encalypta brevicolla	candle-snuffer moss	S2	G4
Encalypta brevipes	candle-snuffer moss	S 1	G3
Encalypta intermedia	candle-snuffer moss	S2	G?
Encalypta longicolla	candle-snuffer moss	S 1	G3G4
Encalypta spathulata	candle-snuffer moss	S2	G3?
Encalypta vulgaris	common extinguisher moss	S1S2	G5
Entodon brevisetus		SR	G3?

	,		
Scientific Name	Common Name	<u>S Rank</u>	<u>G Rank</u>
Entodon concinnus		S2S3	G4G5
Entodon schleicheri		S1	G3G5
Fissidens adianthoides	maidenhair moss	S2S3	G5
Fissidens grandifrons	narrow leaved Chinese phoenix moss	S2	G3G5
Fissidens limbatus		S?	G3G5
Fontinalis antipyretica		S 2	G5
Fontinalis dalecarlica		S?	G3G5
Fontinalis missourica		S?	G2G4
Fontinalis neomexicana		S2	G3G5
Funaria americana	cord moss	S1	G2G3
Funaria muhlenbergii	Muhlenberg's cord moss	S 1	G4
Grimmia anomala	mountain forest grimmia	S2	G?
Grimmia donniana	Donian grimmia	S2	G4G5
Grimmia elatior	large grimmia	SR	G?
Grimmia incurva	black grimmia	S 1	G4G5
Grimmia montana	sun grimmia	S2	G?
Grimmia pilifera	hair giboshi moss	S1	G4G5
Grimmia pulvinata	grey-cushioned grimmia	SR	G4G5
Grimmia tenerrima	alpine grimmia	S2	G3G5
Grimmia teretinervis		S1	G3G5
Grimmia torquata	twisted-leaved grimmia	S2	G3G5
Grimmia trichophylla	hair-pointed grimmia	S1	G5?
Gymnostomum aeruginosum	tufted rock beardless moss	S2?	G5
Herzogiella seligeri		S1	G4
Herzogiella turfacea		S1	G4G5
Heterocladium dimorphum		S1	G4G5
Homalothecium nevadense		S2?	G4
Homalothecium pinnatifidum		S2?	G4
Homomallium adnatum		SR	G3G5
Hydrogrimmia mollis		S1	G3G5
Hygroamblystegium noterophilum	аналанан алаан у Эмин алаан	S 1	G4
Hygroamblystegium tenax		S2	G5
Hygrohypnum alpestre		S1 ·	G3G5
Hygrohypnum bestii		S2S3	G4
Hygrohypnum cochleartfolium		S 1	G?

Scientific Name	<u>Common Name</u>	<u>S Rank</u>	<u>G Ra</u>
Hygrohypnum duriusculum		S1	G?
Hygrohypnum molle		SR	G4G5
Hygrohypnum ochraceum		S2	G5
Hygrohypnum smithii		S1	G3G5
Hygrohypnum styriacum		S2 -	G?
Hylocomiastrum pyrenaicum		S 2	G4G
Hypnum callichroum		S2	G?
Hypnum pallescens		SU	G5
Hypnum procerrimum		S3	G3G4
Hypnum recurvatum		S2	G3G:
Jaffueliobryum raui		S1	G4?
Jaffueliobryum wrightii		S2	G3G4
Kiaeria blyttii	Blytt's fork moss	S1S2	G5
Kiaeria falcata	sickle-leaved fork moss	SR	G5
Kiaeria starkei	alpine broom moss	S2	G5
Lescuraea saxicola		S1	G4G:
Leskea gracilescens		S1?	G5
Leskea obscura		S1?	G5
Leskea polycarpa		S1?	G4G
Leskeella nervosa		S2	G5
Limprichtia cossonii		SU	G?
Loeskypnum badium		S1	G4G:
Meesia longiseta		S1	G3G4
Mielichhoferia macrocarpa		S1	G2?
Mnium ambiguum		S2	G5
Myurella sibirica		SR	G4?
Neckera pennata		S2?	G5
Oligotrichum aligerum		SR	G5
Oligotrichum hercynicum	Hercynian hair moss	S2	G5
Oligotrichum parallelum	an ar annan marainn an annan ann ann an ann an ann an ann a' fhananach daon Yor Yor Mario de a	S 2	G5
Oreas martiana		S1	G5?
Orthothecium intricatum		S 2	G4G
Orthothecium strictum		S2	G?
Orthotrichum affine		S2	G3G5
Orthotrichum pallens		82	G5

Orthotrichum pumilum\$1\$2Orthotrichum pylatsti\$2	C5
Orthourtchum mylaisii \$2	G5
	G4G5
Oxystegus tenuirostris acid-soil moss S1	G5
Paraleucobryum longifoliumlong-lcaved fork mossS1	G5
Phascum cuspidatumcuspidate earth mossS2	G5
Phascum vlassovii S1	G2?
Philonotis marchica S1	G5
Philonotis yozoana S1	G2G3
Physcomitrium hookeribladder-cap mossS1	G2G4
Physcomitrium pyriformeurn mossS1	G5
Plagiobryum demissumS1	G?
Plagiobryum zierii S2	G3G4
Plagiomnium rostratum S1	G5
Platydictya minutissima SU	G3
Pogonatum dentatumhair-like pogonatum\$2\$3	G3G4
Pogonatum urnigerumurn-like pogonatum\$2\$3	G5
Pohlia andalusicaS1	G?
Pohlia annotina S1	G4G5
Pohlia atropurpureaS2	G4G5
Pohlia brevinervis S1	G?
Pohlia bulbifera S1	G4G5
Pohlia camptotrachela SR	G?
Pohlia columbica SR	G?
Pohlia crudoides S1	G?
Pohlia drummondii S2	G3G4
Pohlia elongata S1	G4G5
Pohlia filum S1	G4G5
Pohlia longicolla S1	G4G5
Pohlia obtusifolia S1	G?
Polytrichum longisetumslender hairy-capS1	G5
Polytrichum lyalliihair cap mossS2	G?
Polytrichum sexangularenorthern hair mossS2	G4
Pottia intermedia SR	G2G4
Pottia nevadensisSR	G4
	G3G5

Pseudoleskea patensS1G5Pseudoleskea patensS2G5Pseudoleskea stenophyllaS1S2G7Pseudoleskeetla sibiricaS2G7Pterygoneurum ovatumhairy-leaved beardless mossS1G5Pterygoneurum subsessileS2G4?Racomitrium aciculareS1S2G5Racomitrium elongatumSUG7Racomitrium heterostichumSUG5Racomitrium microcarponSUG7Racomitrium subsetumSUG7Racomitrium subdeticumSUG7Racomitrium nuchumSUG7Racomitrium microcarponSUG7Racomitrium nuchumSUG7Racomitrium nuchum<
Pseudoleskea stenophyllaS1S2G?Pseudoleskea stenophyllaS2G?Pseudoleskeelta sibiricaS2G?Pterygoneurum ovatumhairy-leaved beardless mossS1G5Pterygoneurum subsessileS2G1?Racomitrium aciculareS1S2G5Racomitrium elongatumSUG?Racomitrium fasciculareS1G5Racomitrium heterostichumSUG5Racomitrium macouniiS1G?Racomitrium sudeticumSUG?Racomitrium sudeticumSUG?Racomitrium sudeticumSUG?Racomitrium andrewsianumS1G3G5
Fseudoleskeella sibiricaS2G?Pterygoneurum ovatumhairy-leaved beardless mossS1G5Pterygoneurum subsessileS2G4?Racomitrium aciculareS1S2G5Racomitrium affinoSUG?Racomitrium elongatumSUG?Racomitrium heterostichumS1G5Racomitrium macouniiS1G5Racomitrium macouniiS1G?Racomitrium sudeticumSUG?Racomitrium sudeticumSUG?Racomitrium sudeticumSUG?Racomitrium andrewsianumS1G3G5
Pterygoneurum ovatumhairy-leaved beardless mossS1G5Pterygoneurum subsessileS2G4?Racomitrium aciculareS1S2G5Racomitrium affinoSUG?Racomitrium elongatumSUG?Racomitrium fasciculareS1G5Racomitrium heterostichumS1G5Racomitrium macouniiS1G7Racomitrium microcarponS1G?Racomitrium sudeticumSUG?Racomitrium andrewsianumS1G?Rhizomnium andrewsianumS1G3G5
Pterygoneurum subsessileS2G4?Racomitrium aciculareS1S2G5Racomitrium affinoSUG?Racomitrium elongatumSUG?Racomitrium fasciculareS1G5Racomitrium heterostichumSUG5Racomitrium macouniiS1G?Racomitrium microcarponSUG?Racomitrium sudeticumSUG?Racomitrium andrewsianumS1G3G5
Racomitrium aciculareS1S2G5Racomitrium affineSUG?Racomitrium elongatumSUG?Racomitrium fasciculareS1G5Racomitrium heterostichumSUG5Racomitrium macouniiS1G?Racomitrium microcarponSUG?Racomitrium sudeticumSUG?Rhizomnium andrewsianumS1G3G5
Racomitrium affinoSUG?Racomitrium elongatumSUG?Racomitrium fasciculareS1G5Racomitrium heterostichumSUG5Racomitrium macouniiS1G?Racomitrium microcarponSUG?Racomitrium sudeticumSUG?Rhizomnium andrewsianumS1G3G5
Racomitrium elongatumSUG?Racomitrium fasciculareS1G5Racomitrium heterostichumSUG5Racomitrium macouniiS1G?Racomitrium microcarponSUG?Racomitrium sudeticumSUG?Rhizomnium andrewsianumS1G3G5
Racomitrium fasciculareS1G5Racomitrium heterostichumSUG5Racomitrium macouniiS1G?Racomitrium microcarponSUG?Racomitrium sudeticumSUG?Rhizomnium andrewsianumS1G3G5
Racomitrium heterostichumSUG5Racomitrium macouniiS1G?Racomitrium microcarponSUG?Racomitrium sudeticumSUG?Rhizomnium andrewsianumS1G3G5
Racomitrium macouniiS1G?Racomitrium microcarponSUG?Racomitrium sudeticumSUG?Rhizomnium andrewsianumS1G3G5
Racomitrium microcarponSUG?Racomitrium sudeticumSUG?Rhizomnium andrewsianumS1G3G5
Racomitrium sudeticumSUG?Rhizomnium andrewsianumS1G3G5
Rhizomnium andrewsianum S1 G3G5
Rhizomnium nudum S2 G?
Rhodobryum ontariense S1 G5
Rhytidiadelphus squarrosus pipecleaner moss S2 G4G5
Schistidium agassizii elf bloom moss S1 G3G5
Schistidium heterophyllum SR G3
Schistidium pulvinatum S1 G5
Schistidium tenerum thread bloom moss S1 G?
Schistidium trichodon S1 G?
Schistostega pennata luminous moss S1 G4G5
Scleropodium cespitans SR G4
Scleropodium obtusifolium SR G4
Scouleria aquatica S2 G4
Seligeria calcarea chalk brittle moss S1 G3G4
Seligeria campylopoda S2 G3G5
Seligeria donnianaDonian beardless mossS2G4G5
Seligeria subimmersa S2 G?
Seligeria tristichoides SU G4
Sphagnum balticumpeat mossS1G?
Sphagnum compactumneat bog mossS2G5
Sphagnum contortumtwisted bog moss\$2G5

Scientific Name	Common Name	<u>S Rank</u>	<u>G Rank</u>
Sphagnum fallax	peat moss	S2	G5
Sphagnum fimbriatum	fringed bog moss	S2S3	G5
Sphagnum lindbergii	Lindberg's bog moss	S2S3	G5?
Splachnum ampullaceum	flagon-fruited splachnum	\$2	G5
Splachnum rubrum	red collar moss	S2	G3
Splachnum vasculosum	large-fruited splachnum	S1S2	G?
Stegonia pilifera		S2	G?
Tavloria froelichiana	Froelichian splachnum	S1	G?
Tayloria hornschuchii	small-kettle moss	S 1	G?
Tayloria lingulata	tongue-leaf small-kettle moss	S2S3	G3G5
Tayloria serrata	slender splachnum	S2	G5
Tayloria splachnoides	splanchnoid cyrtodon	S1	G2G3
Tetraplodon urceolatus	alpine lemming moss	S2	G?
Thamnobryum neckeroides		S1	G?
Thuidium delicatulum		SR	G5
Thuidium philibertii		S1S2	G5
Timmia norvegica		S2	G3G4
Timmia sibirica		S1	G?
Tortella inclinata	bent screw moss	S2	G4G5
Tortula caninervis		SR	G?
Tortula princeps	common twisted moss	SR	G5?
Trichodon cylindricus	narrow-fruited fork moss	<u>S1</u>	G4G5
Ulota curvifolia	,	S1	G3G5
Voitia nivalis	hidden kettle moss	S 1	G4
Warnstorfia pseudostraminea	brown moss	S 1	G2G3
Warnstorfia tundrae	brown moss	S2	G?
Weissia controversa	green-cushioned weissia	S1	G5
Zygodon viridissimus		S 1	G5

Scintific Name	Соттоп лате	Gobal <u>Rank</u>	Provincial <u>Ra</u>	Provincial <u>Renk</u> <u>Comments</u>
BUFO COGNATUS	Great Plains toad	ප	52	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
BUFO HEMIOPHRYS	Canadian :oad	5	2354	An example chosen ifom a limited notureti population. A species considence at tisk.
RANA PIPIENS	northern leopard frog	ଞ	52S3	A species considered at risk.
RANA PRETIOSA	spotted freg	GG4	33	A G3G4 species. A G3 species may be rare and local throughout its range, or in a restricted range.
n na anna mana mana mana mana mana na ana mana na ana mana da ina da mana na ma na mana mana mana mana		ne meneral de la construction de la La construction de la construction d		
GAVIA STELLATA	red-throat3d loon	9 ë	31B 61B	
GAVIA PAUFICA PELECANUS ERYTHRORHYNCHOS	American white pelican	BB	52S3B	A G3 species. A G3 species may be rare and local throughout its range, or in a restricted range.
PLEGADIS CHIHI	white-faced ibis	ю	\$1B	
FALCO PEREGRINUS	peregrine falcon	ю	53B	Peregrine populations south of the North Saskatchewan River were considered of special conservation concern.
CENTROCERCUS UROPHASIANUS	sage grouxe	GS	\$152	
CHARADRIUS MELODUS	piping plcver	B	\$2B	A G3 species. A G3 species may be rare and local throughout its range, or in a restricted range.
CHARADRIUS MONTANUS	mountain plover	3	SIB	
I ARLIS CANLIS	mew gull	G	\$1B	
ATHENE CUNICULARIA	burrowing owl	C4	\$2S3B	A species considered at risk.
CATHARIS MINIMUS	erav-checked thrush	C5	\$1B	
SP 7FI LA ARRORFA	Americantree sparrow	G	\$1B,SZN	
ICTERUS BULLOCKII	Bullock's oriole	C5	SIB	
LAMPETRA JAPONICA	Arctic lamprey	C4	51	
COTTUS BAIRDI	mottled sculpin (St. Mary River sculpin)	GS	51	
CCREGONUS ZENITHICUS	shortjaw cisco	3	\$1	Only one EO known from Alberta (ie., Barrow's Lake).
PROSOPIUM COULTERI	pygmy whitefish	C5	\$1	
NUTROPIS BLENNIUS	river shiner	G	\$2	
CARPIODES CYPRINUS	quillback	S	52 32	
M0XOSTOMA ANISURUM	silver rednorse	C5	52 51	
PERCINA CAPRODES	logperch	65	51	I wo known populations of this species occur it Alberta (i.e., Marie Lake and Cold Lake).
SCREX VAGRANS	wandering shrew	G5	\$1S2	
MYOTIS EVOTIS	long-eared bat	G5	\$2	
MYOTIS VOLANS	long-leggod bat	65	\$2	
TAMIAS RUFICAUDUS	red-tailed chipmunk	G5	\$2	· · · · · · · · · · · · · · · · · · ·
PEROGNATHUS FASCIATUS	olive-backed pocket mouse	C5	\$2S3	
DPODOMYS ORDII	Ord's kanzaroo rat	C5	\$2	
ONYCHOMYS LEUCOGASTER	northern grasshopper mouse	GS	\$2S3	
MICROTUS XANTHOGNATHUS	yellow-creeked vole	65	SH	
MCROTUS OCHROGASTER	prairie voie	S	82 78	Hahitet unvi localizad. Snaviasi numbers matcha louar thas \$3 rank indicates.
LAGURUS CURTATUS	sagebrust vole	<u>65</u>	53	Habitat very localized. Species' numbers may be lower than S3 rank indicates.
ADD IN A MONTH ADD ADD ADD ADD ADD ADD ADD ADD ADD AD				

Clobal	kank ?rovincial <u>Rank</u> Comments	C5 S1 -	(5 \$223	C5T5 X2	C5 \$3 Only hibernacula EOs were identified . Hibernacula were considered a eature at rist.	C5 \$3 Only hibernacula EOs were identified. Hi	as Good examples of migratory bird nesting areas (i.e., waterbirds) were identified from ESA data. Important shorebird staging areas were identified based on ³ oston et al. (1990).
	Common rame	painted turtle	short-horned lizard	plains hognose snake	bull snake	prairie ratlesnake	migratory bird nesting areas shorebird staging area
	Scentific Name	CFRYSEMYS PICTA	PHRYNOSOMA HERNANDESI	HETERODON NASICUS NASICUS	PITUOPHIS MELANOLEUCUS	CROTALUS VIRIDIS prairie ratlesnake	

*This list includes only those elements (excluding migratory bird resting areas and shorebirc staging areas) that have currently been processed in the ANHIC database. The provincial ranks are under review.

Appendix 5. Special Feature Polygons and Elements of Special Conservation Concern.

ID Special Feature Polygon Name

4 West Castle

<u>Natural Subregion(s)</u> Alpine Montane Sub-Alpine

Scientific Element Name (Vertebrate Animal	s)	Common Name	ERank	PARep
Sorex vagrans		wandering shrew	3	1
Tamias ruficaudus		red-tailed chipmunk	2	1
Scientific Element Name (Non-vascular Plar	ıts)	Common Name	ERank	PARep
Splachnum ampullaceum		flagon-fruited splachnum	2	5
Scientific Element Name (Vascular Plants)	1917 - 19	Common Name	ERank	PARep
Agrostis exarata		spike redtop	2	3
Arabis lemmonii		Lemmon's rock cress	2	1
Botrychium simplex	n 1 1 mai 1 mai 1 mar ann an 1 mar a' Bhanna ann a' fha 11 fha ann an 1 mar a' fannail ann a fann an fannail f	dwarf grape fern	3	1
Carex kelloggii		Kellogg's sedge	2	- 4
Carex petasata		pasture sedge	2	2
Carex scoparia		broom sedge	3	4
Conimitella williamsii		conimitella	4	3
Deschampsia elongata		slender hair grass	3	4
Draba densifolia		whitlow-grass	2	3
Epilobium clavatum		willowherb	2	2
Eriogonum ovalifolium var ovalifolium		silver-plant	4	3
Galium bifolium		two-leaved Bedstraw	3	5
Gayophytum racemosum		low willowherb	3	4
Hieracium cynoglossoides		woolly hawkweed	4	2
Juncus parryi		Parry's rush	3	2
Lithophragma parviflorum		small-flowered rockstar	2	2
Melica smithii		melic grass	3	3
Melica spectabilis		onion grass	2	2
Mertensia longiflora		large-flowered lungwort		25
Microsteris gracilis		slender phlox	3	÷
Montia parvifolia		small-leaved montia	4	3
Orobanche uniflora		one-flowered cancer-root	2	2
Poa stenantha		bluegrass		ļ
Polygonum minimum Potentilla villosa		least knotweed hairy cinquefoil	3	ļ
Ranunculus verecundus		alpine buttercup	3	
Rorippa tenerrima		slender cress	2	4
Saxifraga ferruginea		saxifrage	aane aa amaa aa aa aa aa aa ah ah ah ah ah ah ah a	4
Sitanion hystrix		sourreltail		. 3
Suksdorfia ranunculifolia		suksdorfia	2	
Suksdorfia ranunculifolia Suksdorfia violacea		blue suksdorfia	4	2
Veronica serpyllifolia		thyme-leaved speedwell	4	2
Viola macloskeyi var pallens		Macloskey's violet		2
	Landform Element Name	Subelement	ERank	PARep
	Patterned Ground		1	3
	Paternoster Lakes		4	4
Beaver Mines Area	Iron Depositing Springs		1	3

5 Front Canyons

Natural Subregion(s) Alpine Montane Sub-Alpine

Common Name	ERank	PARep
	4	3
Common Name	ERank	PARep
Jones' columbine	3	1
Hayden's sedge	3	2
thistle	1	3
whitlow-grass	2	3
willowherb	2	2
pale alpine fleabane	. 4	1
silver-plant	4	3
woolly hawkweed	4	2
lance-leaved lungwort	2	3
large-flowered lungwort	3	2
	Common Name Jones' columbine Hayden's sedge thistle whitlow-grass willowherb pale alpine fleabane silver-plant woolly hawkweed lance-leaved lungwort	Common Name ERank Jones' columbine 3 Hayden's sedge 3 thistle 1 whitlow-grass 2 willowherb 2 pale alpine fleabane 4 silver-plant 4 woolly hawkweed 4 lance-leaved lungwort 2

5 Front Canyons

<u>Natural Subregion(s)</u> Alpine Montane Sub-Alpine

Scientific Element Name (Vascula	r Plants)	Common Nan	10	ERank	PARep
Papaver pygmaeum Potentilla villosa Townsendia condensata		alpine poppy hairy cinquef	bil ndia	4 3 4	1
Viola praemorsa ssp linguifolia				 ż	2
Site Name	Landform Element Name	****	Subelement	ERunk	FARep
Drywood Mountain Area	Hanging Valleys			1	1

6 Big Sagebrush

<u>Natural Subregion(s)</u> Alpine Montane

Sub-Alpine

Scientific Element Name (Non-vascular Pl	ants)	Common Na	<i>ne</i>	ERank	PARep
Aulacomnium androgynum				2	4 י
Scientific Element Name (Vascular Plants)	y and y and been a second second second and a second second second second second second second second second se	Common Na	ne	ERank	PARep
Antennaria aromatica		scented ever	asting	4	3
Artemisia tridentata		big sagebrus		2	4
Brickellia grandiflora		large-flowered brickellia		2	i i i i i i i i i i i i i i i i i i i
Carex kelloggii		Kellogg's see	lge	2	4
Cirsium scariosum		thistle			3
onimitella williamsii ryptogramma stelleri		conimitella		Â	3
		Steller's rock	brake	2	Ť
Cypripedium montanum		mountain lac		3	i
raba densifolia		whitlow-gras		2	ż
pilobium glaberrimum ssp fastigiatum		willowherb		<u> </u>	ĩ
Epilobium saximontanum			tain willowherb	2	3
rigeron flagellaris		creeping flea		5	2
Festuca occidentalis		western fesci		3	4
Postuca occidentaris	lyceria clata		inna grass	3. 	4
	abenaria saccata			. 2	2
Incus confusus		slender bog o	Joinu	· <u>2</u>	4
incus confusus incus regelii		few-flowered rush			
ncus regeni		Regel's rush		3	5
stera convallarioides		broad-lipped twayblade melle grass		2	2
elica smithii		onion grass		3 2	3
Metica spectabilis	elica spectabilis		large-flowered lungwort		2
Mertensia longiflora			3	2	
Microsteris gracilis		slender phlox		3	5
Mimulus guttatus Orobanche unifiora		yellow monk	eyflower	1	2
Orobanche unlflora		one-flowered	l cancer-root	<u>Z</u>	2
Oryzopsis exigua		little rice gra		3	4
Osmorhiza purpurea		purple sweet		3	2
Penstemon fruticosus var scouleri		shrubby bear	dtongue	4	3
Poa stenantha		bluegrass			1
Potentilla plattensis		low cinqueto)1I	3	Ž
Pyrola picta		white-veined wintergreen Sitka willow saxifrage salt-marsh sand spurry tringe-cups		4	3
Salix sitchensis				3	5
Saxifraga odontoloma				3	4
Spergularia marina					4
Tellima granditiora				2 3	5
Trisetum canescens		tall trisetum		4	4
Site Name	Landform Element Name		Subelement	· ERank	PARep
Barnaby Ridge Area	Patterned Ground			1	3
Vegetation Community Element Name		******	a de maneuremente ana ante contra a a contra contra de la c La contra de la contr		
Artemisia tridentata - Balsamorhiza sagitta					dildidad u maramidad
Artemisia tridentata - Rhamnus alnifolia s					
Artemisia tridentata - Saxifraga bronchiali	S				

7 Ptolemy Creek

<u>Natural Subregion(s)</u> Alpine Montane Sub-Alpine

Scientific Element Name (Vascul	ar Plants)	Common N	lame	ERank	PARep
Adlantum pedatum			maldenhair fern		l
Aster campestris		meadow as		2	5
Aster eatonii		Eaton's aster		2	2
Carex backii		Back's sed		3	3
Conimitella williamsii Crepis atribarba Cypripedium montanum Elymus virginicus Epilobium lactiflorum Gnaphalium viscosum		conimitella		4	3
		hawk's-bea		23	2
		Virginia w	ady's-slipper	3	1
		willowherh		3 2	4
		clammy cu		<u>4</u>	1 5
Hieracium cynoglossoides		woolly hav	vkweed	4	2
Hippuris montana		mountain r		4	ĩ
Larix occidentalis		western lar		2	ż
Listera convallarioides	······	broad-lippe	ed twayblade	2	2
Melica spectabilis Mimulus guttatus Plantago canescens Thuja plicata		onion grass yellow monkeyflower		2	2
				1	2
		western rib	grass	3	4
		western red cedar		2	3
Site Name	Landform Element Name		Subelement	ERank	PARep
Crowsnest Lake Area	Karst Springs			1	2
Crowsnest Pass	Karst Caves	under an and a second secon	Joint	1	2
Crowsnest Area	Ice Caves		Cold Trap	4	4
Savanna Area	'Marl Lakes			3	3
Crowsnest Area	Frost Pockets	fangen (en felgeligt) fielde fin fan en en en eine felgen en en en felgen en e		I	4
Crowsnest Area	Ice Caves		Relict Permafrost	4	4
Crowsnest Area	Ice Caves		Cold Zone	4	5
Crowsnest Area	Ice Caves		Perennial	4	4
Crowsnest Area	Ice Caves	an a	Perennial	. 4	4
	Ice Caves		Perennial	4	4
Crowsnest Area				1	2
	Speleothems				
Crowsnest Pass	Anticlinal Valleys	eliter of history for the fact that the fact of the fact of the second second second second second second second		1	4
Crowsnest Area Crowsnest Pass Crowsnest Pass Crowsnest Area			Solution	1	4

Vegetation Community Element Name

Larix occidentalis/Calamagrostis rubescens

8 Beavermines Valley

Natural Subregion(s)

Montane

Scientific Element Name (Non-vascular Pla	ants)	Common Nar	ne	ERank	PARep
Dicranum tauricum		broken-leaf moss		4	5
Scientific Element Name (Vascular Plants)		Common Name		ERank	PARep
Carex kelloggii		Kellogg's sed	ge	2	4
Danthonia californica		California oa	t grass	1	3
Danthonia unispicata Erigeron divergens		one-spike oat fleabane	grass	23	4 4
Eriogonum ovalifolium var ovalifolium		silver-plant		4	3
Galium bifolium		two-leaved Bedstraw		3	5
Hieracium cynoglossoides		woolly hawk	weed	4	2
Juncus parryi		Parry's rush	3	2	
Lewisia pygmaea var pygmaea		dwarf bitter-	oot	2	2
Lewisia rediviva		bitter-root		3	5
Lithophragma parviflorum		small-flower	ed rockstar	2	2
Lupinus minimus		least lupine		4	3
Microsteris gracilis		slender phlo		3	5
Orobanche uniflora		one-flowered		2	2
Phacelia linearis			scorpionweed	2	4
Polygonum engelmannii		slender knotweed		4	3
Polygonum minimum		least knotweed		2	1
Pterospora andromedea		pine-drops		2	2
Site Name	Landform Element Name		Subelement	ERank	PARep
Beaver Mines Area	Valleys		V-Shaped	. <u>1</u>	4

<u>8</u> Beavermines Valley	<u>Natural Subregion(s)</u> Montane
9 Carbondale Valley	Natural Subregion(s)
	Alpine
	Montane

Scientific Element Name (Vascular Plants) ERank PARep Common Name Carex kelloggii Carex mertensii Epilobium saximontanum Erigeron ochroleucus var scribneri Listera caurina Lithophragma parviflorum Mimulus guttatus Monotrona hypopithys Kellogg's sedge purple sedge Rocky Mountain willowherb 2 3 2 2 4 4 33222222 western twayblade small-flowered rockstar yellow monkeyflower 4 2 Mimulus guttatus Monotropa hypopithys Osmorhiza purpurea Stellaria crispa Suksdorfía violacea Thuja plicata Viola praemorsa ssp linguifolia pinesap purple sweet cicely wavy-leaved chickweed blue suksdorfia western red cedar 2 3 2 4 2 2 3 2 3 2

10 Lynx Creek

<u>Natural Subregion(s)</u> Montane Sub-Alpine

Sub-Alpine

Scientific Element Name (Non-vascular Plants)	Common Name	ERank	PARep	
Grimmia montana	sun grimmia	4	3	
Scientific Element Name (Vascular Plants)	Common Name	ERank	PARep	
Botrychium lanceolatum	lance-leaved grape fern	2	2	
Cardamine umbellata	mountain cress	4	1	
Carex aperta	open sedge	3	2	
Carex kelloggii	Kellogg's sedge	2	4	
Conimitella williamsii	conimitella	1	3	
champsia elongata slender hair grass		3	4	
tuca occidentalis western fescue		3	4	
lyceria elata tufted tall manna grass		2	4	
abenaria saccata slender bog orchid		2	2	
nus parry'i Parry's rush		. 3	2	
era caurina western twayblade		4	2	
Microsteris gracilis	slender phlox	3	5	
Mimulus guttatus	yellow monkeyflower	1	2	
Orobanche uniflora	one-flowered cancer-root	2	2	
Penstemon fruticosus var scouleri	shrubby beardtongue	4	3	
Phacelia linearis	linear-leaved scorpionweed	2	4	
Poa nervosa	Wheeler's bluegrass	2	1	
Ranunculus glaberrimus	early buttercup	2	3	
Ranunculus uncinatus	hairy buttercup	2	2	
Trisctum ccrnuum	nodding trisctum	2	3	
Vegetation Community Element Name				
Thuja plicata alliance				

11 Hillcrest Mountain

<u>Natural Subregion(s)</u> Montane

Sub-Alpine

Scientific Element Name (Non-vascular Plants)	Common Name	ERank	PARep
Brachythecium hylotapetum	an an ang ang ang ang ang ang ang ang an	4	5
Brachythecium leibergii		- 4	3
Brachythecium reflexum		4	5
Polytrichum lyallii	hair cap moss	4	4
Scientific Element Name (Vascular Plants)	Common Name	ERank	PARep
Cirsium scariosum	thistle	1	3
Hieracium cynoglossoides	woolly hawkweed	4 ·	2
Linanthus septentrionalis	linanthus	3	3
Lithophragma parviflorum	small-flowered rockstar	2	2
Mimulus floribundus	small yellow monkeyflower	3	3

11	Hillcrest Mountain	

<u>Natural Subregion(s)</u> Montane Sub-Alpine

Scientific Element Name (Vascular Plants)	Common Name	ERank	PARep
Nemophila breviflora	small baby-blue-eyes	2	2
Penstemon fruticosus var scouleri	shrubby beardtongue	4	3
Phacella linearis	linear-leaved scorpionweed	2	4
Plantago canescens	western ribgrass	3	4

12 Crowsnest River

<u>Natural Subregion(s)</u> Montane Sub-Alpine

Scientific Element Name (Vascul	ictentific Element Name (Vascular Plants) Common		Name	ERank	PARep
Alopecurus occidentalis		alpine fox	tail	2	3
Aster campestris		meadow a		2	5
Bromus altissimus		Canada bi		3	4
Crepis intermedia Danthonia unispicata			ate hawk's-beard	2	2
		one-spike		2	4
Draba longipes		whitlow-g		3	1
Eriogonum ovalifolium var ovalifolium			silver-plant		3
Mimulus guttatus		yellow mo	yellow monkeyflower		2
Penstemon fruticosus var scouleri		shrubby b	shrubby beardtongue		3
Phacelia linearis		linear-leaved scorpionweed low townsendia tall trisetum		2	4
Townsendia exscapa				1	5 4
Trisetum canescens				4	
Trisetum cernuum		nodding t	risetum	2	3
Site Name	Landform Element N	lame	Subelement	ERank	PARep
Turtle Mountain Area	Rock Falls			1	2
Burmis Area	River Terraces			1.	3
Crowsnest Pass	Sulphur Depositing/	Odor Springs		1	2

13 Pincher Creek South

Natural Subregion(s) Montane

Scientific Element Name (Vasci		Common Nar	ne	ERank	PARep
Allium geyeri		Geyer's onior]	3	3
Camassia quamash var quamas	h	hlue camas		4	4
Carex kelloggii		Kellogg's sed	ge	2	4
Lupinus minimus		least lupine		4	3
Site Name	Landform Element Nam		Subelement	ERank	PARep
Beaver Mines Area	Volcanic Rocks		·	4	5

<u>14</u> Pollhaven

<u>Natural Subregion(s)</u> Montane

Scientific Element Name (Vascular Plants)	Common Name	ERank	PARep
Iliamna rivularis Pterospora andromedea	mountain hollyhock pine-drops	2	2
Stellaria crispa	wavy-leaved chickweed	ź	3

15 Mokowan Butte

Natural Subregion(s) Montane

Scientific Element Name (Vascular Plants)		Common	Common Name		PARep
Iliamna rivularis		mountain	hollyhock	2	2
Lesquerella arctica var purshii		northern l	oladderpod	4	4
Melica smithii		melic gras	SS	3	3
Mertensia longiflora		large-flov	vered lungwort	3	2
Pterospora andromedea		pine-drop	S	2	2
Site Name	Landform Element No	ame	Subelement	ERank	PARep
Mokowan Butte	Erosional Remnants	`		1	4

15 Mokowan Butte	Natural Subregion(s)
	Montane
16 Sugarioal Mountain	Natural Subregion(s)

Sub-Alpine

Scientific Element Name (Vascular Plants)	Common Name	ERunk	PARep
Agropyron scribneri	Scribner's wheat grass	2	2
Eriogonum ovalifolium var ovalifolium	silver-plant	4	3
Lupinus wyethii	Wyeth's lupine	3	5
Penstemon fruticosus var scouleri	shrubby beardtongue	4	3
Polygonum engelmannii	slender knotweed	4	3

17 Livingstone Gap

<u>Natural Subregion(s)</u> Montane

Sub-Alpine

Scientific Element Name (Non-vascular Plants)		Commo	Common Name		PARep
Didymodon rigidulus		rigid scr	rigid screw moss		3
Scientific Element Name (Vascula	r Plants)	Commo	ı Name	ERank	PARep
Antennaria luzuloides Plantago canescens			silvery everlasting western ribgrass		4 4
Site Name	Landform Elen	nent Name	Subelement	ERank	PARep
Thunder Mountain Area	Water Gaps			l	3

18 Plateau Mountain Ecological Reserve Extension <u>Natural Subregion(s)</u>

<u>on</u> <u>Natural Subregion(s)</u> Alpine

Sub-Alpine

Scientific Element Name (Vertebr	ate Animals)	Common N	lame	ERank	PARep
Microtus richardsoni		water vole		l	2
Scientific Element Name (Non-va	scular Plants)	Common N	Common Name		PARep
Brachythecium erythrorrhizon				2	4
Brachythecium plumosum				2	1
Fissidens limbatus				2	4
Schistidium pulvinatum				3	4
Scientific Element Name (Vascular Plants)		Common N	Common Name		PARep
Agropyron scribneri		Scribner's	Scribner's wheat grass		2
Carex adusta		browned sedge		2	3
Carex haydeniana		Hayden's s	Hayden's sedge		2
Carex netricosa		stone sedg	stone sedge		2
Erigeron ochroleucus var scribne	rî	······································		2	3
Festuca altaica			northern rough fescue		2
Festuca minutiflora		tiny-flowered fescue		2	1
Lewisia pygmaea var pygmaea			dwarf bitter-root		2
Penstemon fruticosus var scouler	I		shrubby beardtongue		3
Ranunculus glaberrinnus		cally bull	acup	2	3
Site Name	Landform Element Nam	10	Subelement	ERank	PARep
Plateau Mountain Area	Limestone Pavement			1	4
Plateau Mountain Area	Biscuit Board Topograp	ohy		4	5

<u>19</u> <u>Pekisko</u>

<u>Natural Subregion(s)</u> Foothills Parkland

Scientific Element Name (Vascular Plants) Common Name		n Name		ERank	PARep	
Danthonia californica California oat		iia oat grass		. 1	3	
Site Name	Landform Element Name	Landform Element Name			ERank	PARep
Pekisko Area	Crag-and-Tail	-			4	4
Pekisko Area Eden Valley I.R. Area	Hogbacks Pitted Deltas				4	5 5

	Natural Subregion(s)			
	Foothills Parkland			
Site Name	Landform Element Nam	e Subelement	EKank	РАКер
Pekisko Area	Cuestas		4	4
Vegetation Community Element Salix bebbiana Foothills Parkla			aa amma a misumoo a aanoo maana maa ahaa ahaa ahaa ahaa ahaa ahaa	
20 Upper Highwood	<u>Natural Subregion(s)</u> Alpine Sub-Alpine			
Scientific Element Name (Vasci	ılar Plants)	Common Name	F.Rank	PARep
Agropyron scribneri	•	Scribner's wheat grass	2	2
Antennaria aromatica		scented everlasting	4	3
Arnica longifolia Epilobium clavatum		long-leaved arnica willowherb	2	1
Festuca altaica		northern rough fescue	. 1	2
Poa leptocoma		bog bluegrass	2	2
21 Sheep River	Natural Subregion(s)			
21 <u>Sheep River</u> Scientific Element Name (Verte	<u>Natural Subregion(s)</u> Alpine Lower Foothills Sub-Alpine brate Animals)	Common Name	ERank	PARep
21 Sheep River Scientific Element Name (Verte Myotis evotis	Alpine Lower Foothills Sub-Alpine	Common Name long-eared bat	ERank 2	PARep 5
Scientific Element Name (Verte Myotis evotis	Alpine Lower Foothills Sub-Alpine brate Animals)	long-eared bat		5'
Scientific Element Name (Verte Myotis evotis Scientific Element Name (Vasc	Alpine Lower Foothills Sub-Alpine brate Animals)	long-eared bat Common Name	2 ERank	5 PARep
Scientific Element Name (Verte Myotis evotis Scientific Element Name (Vasc Carex capitata	Alpine Lower Foothills Sub-Alpine brate Animals)	long-eared bat Common Name capitate sedge	2 ERank 2	5
Scientific Element Name (Verte Myotis evotis Scientific Element Name (Vasc Carex capitata Carex preslii	Alpine Lower Foothills Sub-Alpine brate Animals)	long-eared bat Common Name capitate sedge Presl sedge	2 <i>ERank</i> 2 3	5 <i>PARep</i> 3 1
Scientific Element Name (Verte Myotis evotis Scientific Element Name (Vasc Carex capitata Carex preslii Erigeron flagellaris	Alpine Lower Foothills Sub-Alpine brate Animals)	long-eared bat <i>Common Name</i> capitate sedge Presl sedge creeping fleabane	2 ERank 2	5 PARep
Scientific Element Name (Verte Myotis evotis Scientific Element Name (Vasc Carex capitata Carex preslii Erigeron flagellaris Eriophorum scheuchzeri Poa leptuc scheuchzeri Poa leptuc scheuchzeri	Alpine Lower Foothills Sub-Alpine brate Animals)	Common Name capitate sedge Presl sedge creeping fleabane one spile cotton grass bog bluegrass	2 <i>ERank</i> 2 3 3 2 2	5 <i>PARep</i> 3 1 2 1 2
Scientific Element Name (Verte Myotis evotis Scientific Element Name (Vasc Carex capitata Carex preslii Eriophorum schoushzeri	Alpine Lower Foothills Sub-Alpine brate Animals)	long-eared bat Common Name capitate sedge Presl sedge creeping fleabane one spike cotton grass	2 <i>ERank</i> 2 3 3 2	5 <i>PARep</i> 3 1 2 1
Scientific Element Name (Verte Myotis evotis Scientific Element Name (Vasc Carex capitata Carex preslii Erigeron flagellaris Erigophorum scheuchzeri Poa leptocoma	Alpine Lower Foothills Sub-Alpine brate Animals) ular Plants)	Common Name capitate sedge Presl sedge creeping fleabane one spile cotton grass bog bluegrass	2 <i>ERank</i> 2 3 3 2 2	5 PARep 3 1 2 1 2
Scientific Element Name (Verte Myotis evotis Scientific Element Name (Vasc Carex capitata Carex preslii Erigeron flagellaris Eriophorum scheuchzeri Poa leptocoma Thuja plicata	Alpine Lower Foothills Sub-Alpine brate Animals) ular Plants)	Common Name capitate sedge Presl sedge creeping fleabane one spile cotton grass bog bluegrass	2 <i>ERank</i> 2 3 3 2 2	5 PARep 3 1 2 1 2

Lower Foothills

Sub-Alpine

Scientific Flement Name (Non-vascular Plants) Grimmia montana		Common Name sun grimmia		FRank	PARep
				4	3
Site Name	Landform Element Name		Subelement	ERank	PARep
Kananaskis Country	Karst Caves		Joint .	l	2
Kananaskis Country	Felsenmeer			1	4
Kananaskis Country	Patterned Ground	***		1	3

23 Moose Mountain

Natural Subregion(s) Alpine

Sub-Alpine

Scientific Element Name (Vascular Plants)		Common Name		PARep
Carex petricosa		stone sedge	3	2
Carex tincta		tinged sedge	4	5
Papaver kluanensis		alpine poppy	4	2
Silene furcata		alpine bladder catchfly	2	2
Site Name	Landform Element Name	Subelement	ERank	PARep
Kananaskis Country	Anticlinal Mountains		1	1

3 Moose Mountain	Natural Subregion(s)					
	Alpine					
	Sub-Alpine					
Site Name	Landform Element Name		Subelement	ERank	PARep	
Kananaskis Country	Ice Caves	9 A.S. 19 A.S.	Cold Zone	4	5	
Kananaskis Country	Patterned Ground			l	3	
4 Canmore Corridor/Lac des Arcs	<u>Natural Subregion(s)</u> Alpine Montane Sub-Alpine					
Scientific Element Name (Non-vascular Plants)		Common Na	ıme	ERank	PARep	
Cyrtomnium hymenophylloides				3	4	
Homalothecium pinnatifidum				3	3	
Hygrohypnum bestii				3	3	
Scientific Element Name (Vascular Plants)		Common Name		ERank	PARep	
Pellaea glabella		smooth cliff brake		· l	3	
Site Name	Landform Element Name	an the second	Subelement	ERank	PARep	
			Juberement	Linaria	1 map	
Lac des Arcs	Fluviatile Lakes		Alluvial Fan Dammed	4	4	
	<u>Natural Subregion(s)</u> Alpine Sub-Alpine	Common Na	Alluvial Fan Dammed		4	
25 Mt. Lorette	<u>Natural Subregion(s)</u> Alpine Sub-Alpine	Common No water vole	Alluvial Fan Dammed	. 4	kon maana a sa	
25 <u>Mt. Lorette</u> Scientific Element Name (Vertebrate Ar Microtus richardsoni	<u>Natural Subregion(s)</u> Alpine Sub-Alpine nimals)	water vole	Alluvial Fan Dammed	4 ERank 1	4 PARep 2	
25 <u>Mt. Lorette</u> Scientific Element Name (Vertebrate Ar Microtus richardsoni Scientific Element Name (Non-vascular	<u>Natural Subregion(s)</u> Alpine Sub-Alpine nimals)		Alluvial Fan Dammed	4 ERank 1 ERank	4 PARep 2 PARep	
25 <u>Mt. Lorette</u> Scientific Element Name (Vertebrate Ar Microtus richardsoni	<u>Natural Subregion(s)</u> Alpine Sub-Alpine nimals)	water vole	Alluvial Fan Dammed	4 ERank 1	4 PARep 2	
25 Mt. Lorette Scientific Element Name (Vertebrate Ar Microtus richardsoni Scientific Element Name (Non-vascular Desinatodon systylius	<u>Natural Subregion(s)</u> Alpine Sub-Alpine nimals)	water vole Common No	Alluvial Fan Dammed	4 ERank 1 ERank 3	4 PARep 2 PARep 4	
25 Mt. Lorette Scientific Element Name (Vertebrate Ar Microtus richardsoni Scientific Element Name (Non-vascular Desinatodon systytius Phascum cuspidatum	<u>Natural Subregion(s)</u> Alpine Sub-Alpine nimals) • Plants)	water vole Common No	Alluvial Fan Dammed	4 ERank 1 ERank 3 2	4 <i>PARep</i> 2 <i>PARep</i> 4 5 2	
25 Mt. Lorette Scientific Element Name (Vertebrate Ar Microtus richardsoni Scientific Element Name (Non-vascular Desmatodon systylius Phascum cuspidatum Timmia norvegica Scientific Element Name (Vascular Pla Alopecurus occidentalis	<u>Natural Subregion(s)</u> Alpine Sub-Alpine nimals) • Plants)	water vole Common Na cuspidate ea Common Na alpine foxta	Alluvial Fan Dammed	4 <i>ERank</i> 1 <i>ERank</i> 3 2 4 <i>FRank</i> 2	4 <i>PARep</i> 2 <i>PARep</i> 4 5 2 <i>PARep</i> 3	
25 Mt. Lorette Scientific Element Name (Vertebrate Ar Microtus richardsoni Scientific Element Name (Non-vascular Desmatodon systylius Phascum cuspidatum Timmia norvegica Scientific Element Name (Vascular Pla Alopecurus occidentalis Botrychium hesperium	<u>Natural Subregion(s)</u> Alpine Sub-Alpine nimals) • Plants)	water vole Common Na cuspidate ea Common Na alpine foxta western gra	Alluvial Fan Dammed	4 ERank 1 ERank 3 2 4 FRank 2 4	4 <i>PARep</i> 2 <i>PARep</i> 4 5 2 <i>PARep</i> 3 4	
25 Mt. Lorette Scientific Element Name (Vertebrate Ar Microtus richardsoni Scientific Element Name (Non-vascular Desinatodon systylius Phascum cuspidatum Timmia norvegica Scientific Element Name (Vascular Pla Alopecurus occidentalis Botrychium hesperium Botrychium lanceolatum	<u>Natural Subregion(s)</u> Alpine Sub-Alpine nimals) • Plants)	water vole Common Ne cuspidate ea Common Ne alpine foxta western graj lance-leaved	Alluvial Fan Dammed	4 <i>ERank</i> 1 <i>ERank</i> 3 2 4 <i>FRank</i> 2	4 <i>PARep</i> 2 <i>PARep</i> 4 5 2 <i>PARep</i> 3 4 2	
25 Mt. Lorette Scientific Element Name (Vertebrate Ar Microtus richardsoni Scientific Element Name (Non-vascular Desinatodon systylius Phascum cuspidatum Timmia norvegica Scientific Element Name (Vascular Pla Alopecurus occidentalis Botrychium hesperium Botrychium lanceolatum Carex petasata	<u>Natural Subregion(s)</u> Alpine Sub-Alpine nimals) • Plants)	water vole Common Na cuspidate ea Common Na alpine foxta western gra	Alluvial Fan Dammed	4 ERank 1 ERank 3 2 4 FRank 2 4 2 3 2	4 <i>PARep</i> 2 <i>PARep</i> 4 5 2 <i>PARep</i> 3 4 2 2 2	
25 Mt. Lorette Scientific Element Name (Vertebrate Ar Microtus richardsoni Scientific Element Name (Non-vascular Desmatodon systylius Phascum cuspidatum Timmia norvegica Scientific Element Name (Vascular Pla Alopecurus occidentalis Botrychium hesperium Botrychium lanceolatum Carex havdeniana	<u>Natural Subregion(s)</u> Alpine Sub-Alpine nimals) • Plants)	water vole Common Na cuspidate ea Common Na alpine foxta western gra lance-leaved Havden's se	Alluvial Fan Dammed	4 <i>ERank</i> 1 <i>ERank</i> 3 2 4 <i>FRank</i> 2 4 2 3	4 <i>PARep</i> 2 <i>PARep</i> 4 5 2 <i>PARep</i> 3 4 2 2	

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Natural Subregion(s Lower Foothills Montane Sub-Alpine

Scientific Element Name (Non-vascular Plants)	Common Name	ERank	PARep
Cirriphyllum cirrosum		4	2
Didymodon subandreaeoides		. 4	2
Scientific Element Name (Vascular Plants)	Common Name	ERank	PARep
Antennaria corymbosa	corymbose everlasting	2	4
Festuca altaica	northern rough fescue	1	2
Pellaea glabella	smooth cliff brake	1	3
Potentilla villosa	hairy cinquefoil	3	1
Primula stricta	erect primrose	4	4
Scirpus pumilus var rollandii	dwarf bulrush	4	2

27 Clearwater River West	Natural Subregion(s)
	Alpine
	Sub-Alpine
	Upper Foothills

Scientific Element Name (Vascular Plants)	Common Name	ERank	PARep
Artemisia borealis	northern wormwood	2	2
Carex maritima var incurviformis	seaside sedge	4	2
Danthonia californica	California oat grass	1	3
Salix alaxensis var alaxensis	Alaska willow	4	3
Scirpus pumilus var rollandii	dwarf bulrush	4	2

28 Ram Mountain

Natural Subregion(s) Sub-Alpine

Upper Foothills

Scientific Element Name (Vascular Plants)	Common Name	ERank	PARep
Barbarea orthoceras	American winter cress	2	3
Campanula uniflora	alpine harebell	3	1
Carex petricosa	stone sedge	3	2
Draba fladnizensis	whitlow-grass	4	4
Draba ventosa	whitlow-grass	4	1
Epilobium clavatum	willowherb	2	2
Epilobium saximontanum	Rocky Mountain willowherb	2	3
Erigeron radicatus	dwarf fleabane	4	4
Erigeron trifidus	trifid-leaved fleabane	4	4
Lesquerella arctica var purshii	northern bladderpod	4	4
Minuartia elegans	purple alpine sandwort	4	2
Papaver kluanensis	alpine poppy	4	2
Pedicularis capitata	large-flowered lousewort	3	3
Potentilla multisecta	smooth-leaved cinquefoil	4	4
Pyrola grandiflora	Arctic wintergreen	2	2
Ranunculus grayi	Gray's buttercup	3	2
Rhododendron lapponicum	Lapland rose-bay	2	3
Rhododendron lapponicum Salix alaxensis var alaxensis	Alaska willow	4	3
Saxifraga flagellaris ssp setigera	spiderplant	4	3
Veronica serpyllifolia	thyme-leaved speedwell	4	2

29 Ya Ha Tinda

Natural Subregion(s) Alpine Montane

Sub-Alpine Upper Foothills

Scientific Element Name (Vasc	ular Plants)	Common Name	ERank	PARep
Botrychium minganense		10 h () () () () () () () () () (3	1
Epilobium saximontanum		Rocky Mountain willowherb	2	3
Festuca altaica		northern rough fescue	1	2
Site Name	Landform Element Name	Subelement	ERank	PARep
Ya Ha Tinda Area	Rock Labyrinths		4	5
Ya Ha Tinda Area	Patterned Ground		4	3
Ya Ha Tinda Area	Waterfalls		4	2
Ya Ha Tinda Area	Biscuit Board Topography		4	5

<u>30</u> Kootenay Plains Ecological Reserve Extension <u>Natural Subregion(s)</u>

Montane

Scientific Element Name (Non-vascular Plants)	Common Name	ERank	PARep
Aloina rigida	aloe-like rigid screw moss	3	4
Brachythecium albicans		2	4
Bryum pallescens	1 Marana ana amin'ny faritr'ora dia mampiasa amin'ny faritr'ora dia mampiasa amin'ny faritr'ora dia mampiasa dia Madrido	2	4
Orthothecium intricatum		3	4
Pseudoleskeella sibirica		4	3
Scientific Element Name (Vascular Plants)	Common Name	ERank	PARep
Pellaea glabella	smooth cliff brake	1	3
Salix alaxensis var alaxensis	Alaska willow	4	3

30	Kootenay	Plains	Ecological	Reserve

Extension <u>Natural Subregion(s)</u> Montane

31 White Goat Lakes Natural Subregion(s) Montane Sub-Alpine

Scientific Element Name (Non-vascular Plants)	Common Name	ERank	PARep
Didymodon tophaceus	blunt-leaved hair moss	2	5
Tortella inclinata	bent screw moss	3	2
Scientific Element Name (Vascular Plants)	Common Name	ERank	PARep
Antennaria aromatica	scented everlasting	4	S
Lesquerella arctica var purshii	northern bladderpod	4	4
Salix lanata ssp calcicola	woolly willow	3	1

<u>32</u> Cardinal Divide Natural Area Extension <u>Natural Subregion(s)</u>

Alpine Sub-Alpine

Scientific Element Name (Non-vascular Plants)	Common Name	ERank	PARep
Cirriphyllum cirrosum		. 4	2
Didymodon johansenii		4	4
Gymnostomum aeruginosum	tufted rock beardless moss	2	5
Hygrohypnum bestii		3	3
Mielichhoferia macrocarpa		Š	4
Plagiobryum zierii		4	3
Polytrichum Iyallii	hair cap moss		4
Pseudoleskeella sibirica	itali cap inoss	4	3
Schistidium tenerum	thread bloom moss	4	-
	thread bloom moss	4	4
Seligeria subimmersa		· A	4
Scientific Element Name (Vascular Plants)	Common Name	ERank	PARep
Agrostis thurberiana	Thurber's bent grass	2	1
Antennaria aromatica	scented everlasting one-headed everlasting	4	3
Antennaria monocephala	one-headed everlasting	3	1
Aquilegia formosa	Sitka columbine	2	2
Artemisia borealis	northern wormwood	2	2
Carex aperta	open sedge	3	2
Carex bipartița	two-parted sedge	3	1
Carex misandra	nodding sedge	3	2
Carex petricosa	stone sedge	3	2 ·
Carex podocarpa	alpine sedge	2	1
Draba fladnizensis	whitlow-grass	4	4
Draha macounii	Macoun's whitlow-grass	4	1
Epilobium saximontanum	Rocky Mountain willowherb	2	3
Erigeron pallens	pale alpine fleabane	4	1
Erigeron radicatus	dwarf fleabane	4	4
Eriophorum scheuchzeri	one-spike cotton grass	2	1
Hierochloe alpina	alpine sweet grass	2	1
Lesquerella arctica var purshii	northern bladderpod	4	4
Papaver kluanensis	alpine poppy	4	2
Pedicularis capitata	large-flowered lousewort	3	3
Pedicularis lanata	woolly lousewort	3	3
Poa leptocoma	bog bluegrass	2	2
Poa stenantha	bluegrass	1	1
Potentilla drummondii	Drummond's cinquefoil	2	1
Salix alaxensis var alaxensis	Alaska willow	4	3
Saxifraga nivalis	alpine saxifrage	3	1
Telesonix heucheriformis	telesonix	3	3

33 Cardinal River Headwaters

Natural Subregion(s)

Alpine Sub-Alpine

Scientific Element Name (Non-vascular Plants)	Common Name		ERank	PARep	~~~~
		and the second sec			à.
Anoectanglum aestivum			4	4	~~~~
					1

33 Cardinal River Headwaters

Natural Subregion(s) Alpine Sub-Alpine

Scientific Element Name (Non-vascular Plants)	Common Name	ERank	PARep
Bryobrittonia longipes		3	3
Bryum amblyodon		4	4
Cirriphyllum cirrosum		4	2
Cynodontium schisti		· 4	4
Desmatodon laureri		4	4
Didymodon subandreaeoides		4	2
Encalypta bieviculla	candle-snuffer moss	3	ī
Encalypta brevipes	candle-snuffer moss	4	4
Hygrohypnum bestii		3	3
Plagiobryum zierii			3
Pohlia drummondii		4	2
Pohlia longicolla		4	4
Pseudoleskeella sibirica		4	3
		- 3	2
Seligeria campylopoda			
Stegonia pilifera		4	3
Timmia norvegica		4	2
Tortella inclinata	bent screw moss	3	2
Scientific Element Name (Vascular Plants)	Common Name	ERank	PARep
Agoseris lackschewitzii	pink false dandelion	3	1
Arenaria longipedunculata	sandwort	4	2
Braya purpurascens	alpine braya	. 4	4
Carex franklinii	Franklin's sedge	4	1
Carex glacialis	glacier sedge	2	2
Carex misandra	nodding sedge	3	2
Carex podocarpa	alpine sedge	<u>2</u>	<u> </u>
Draba fladnizensis	whitlow-grass	2	4
Eriophorum callitrix	beautiful cotton grass	2	
Eriophorum scheuchzeri Hierochloe alpina	one-spike cotton grass alpine sweet grass	2	
Minuartia elegans	purple alpine sandwort	4	2
	small northern grass-of-parnassus	7	2
Parnassia parviflora Pedicularis capitata	large-flowered lousewort		3
	woolly lousewort	3	3
			Z
Pedicularis lanata Primula egaliksensis	nrimrose		
Primula egaliksensis	primrose	3 4	
Primula egaliksensis Salix alaxensis var alaxensis	primřose Alaska willow		3
Primula egaliksensis	primrose	3 4 4 2	3

34 Cadomin Cave

Natural Subregion(s)

Alpine Sub-Alpine

Scientific Element Name (Vertebrate Animals)	Common Name	ERank	PARep
Myotis volans	long-legged bat	2	5
Scientific Element Name (Non-vascular Plants)	Common Name	ERank	PARep
Aongstroemia longipes		4	5
Brachythecium albicans		2	4
Bryum schleicheri		4	4
Cyrtomnium hymenophylloides	fan de	3	4
Didymodon johansenii		4	4
Didymodon subandreaeoides		4	2
Gymnostomum aeruginosum	tufted rock beardless moss	2	5
Mielichhoferia macrocarpa		5	4
Scientific Element Name (Vascular Plants)	Common Name	ERank	PARep
Antennaria aromatica	scented everlasting	4	3
Arnica amplexicaulis	stem-clasping arnica	3	1
Botrychium spathulatum		4	2
Cryptogramma stelleri	Steller's rock brake	2	1
Lesquerella arctica var purshii	northern bladderpod	4	4
Lycopodium selago	mountain club-moss		1
Salix alaxensis var alaxensis	Alaska willow	4	3
Telesonix heucheriformis	telesonix	3	3

34 Cadomin Cave	Natural Subregion(s)			
	Alpine			
	Sub-Alpine			
Site Name	Landform Element Name	Subelement	ERank	PARep
Cadomin Area	Karst Caves	Joint	. 1	2
Luscar Mountain Area	Rock Labyrinths		4	5
<u>35</u> Coliseum-Shunda Mountain	<u>Natural Subregion(s)</u> Sub-Alpine			

Upper Foothills

Scientific Element Name (Non-vascular Plants)		Common Name		ERank	PARep
Fissidens adjanthoides		maidenhair moss		2	4
Philonotis marchica				3	4
Scientific Element Name (Vascular	Plants)	Common Nan	a a para sa a ana ana ana ana ana ana ana ana a	ERank	PARep
Anemone quinquefolia		wood anemone		3	5
Botrychium spathulatum				4	2
Calamagrostis lapponica		Lapland reed grass		- 3	4
Carex parryana var parryana		Parry's sedge		3	3.
Carex petricosa		stone sedge			2
Epilobium saximontanum		Rocky Mountain willowherb		2	3
Erigeron radicatus		dwarf fleabane		4	4
Pedicularis capitata		large-flowered lousewort		3	3
Primula egaliksensis		primrose		3	2
Rhododendron lapponicum		Lapland rose-bay		2	3
Saxifraga nivalis		alpine saxifrage		3	ļ
Telesonix heucheriformis		telesonix		3	3
Trisetum cernuum		nodding triset		2	3
Site Name	Landform Element	Name	Subelement	ERank	PARep
Nordegg Area	Non-Patterned Fens	without Internal Lawns	Spring Fen	3	4
Coliseum Mountain	Rock Labyrinths			4	5

<u>36</u> Brazeau Tufa

<u>Natural Subregion(s)</u> Upper Foothills

Scientific Element Name (Non-vascular Plants)		Common Name		ERank	PARep
Splachnum rubrum		red collar moss		4	5
Scientific Element Name (Vas	cular Plants)	_	on Name	ERank	PARep
Carex capitata		capitat	capitate sedge		3
Carex heleonastes		Hudson Bay sedge		3	4
Carex maritima var incurvifor	mis	seaside	e sedge	4	2
Juncus filiformis		thread	rush	2	4
Primula egaliksensis		primro	se	3	2
Site Name	Landform Eleme	ent Name	Subelement	ERank	PARep
Nordegg Area	Tufa Depositing	Springs		1	4

37 Ambler Mountain/Copton Ridge/Mt. Hamell Natural Subregion(s) Alpine

Montane

Sub-Alpine

Scientific Element Name (Non-vascular Plants)	Common Name	ERank	PARep
Aulacomnium acuminatum		5	5
Brachythecium leibergii		4	3
Bryum algovicum		3	4
Cynodontium tenellum		4	2
Dicranella crispa	curl-leaved fork moss	4	5
Didymodon vinealis		3	4
Grimmia torquata	twisted-leaved grimmia	3	3
Hypnum pallescens		1	4
Oreas martiana		3	5
Plagiobryum zierii		• 4	3
Pogonatum dentatum	hair-like pogonatum	4	4

37 Ambler Mountain/Copton Ridge/Mt. Hamell

<u>Natural Subregion(s)</u> Alpine Montane Sub-Alpine

Scientific Element Name (Non-vascular Plants)	Common Name	ERank PAI
Pseudoleskeella sibirica Seligeria campylopoda		4 3 3 2
Scientific Element Name (Vascular Plants)	Common Name	ERank PAI
Artemisia furcata var furcata Koenigia islandica	forked wormwood koenigia	5.555.555.555.555.555.555.555.555.555.
Malaxis paludosa Saxifraga flagellaris ssp setigera	bog adder's-mouth spiderplant	4 4 4 3

38 Kakwa North

<u>Natural Subregion(s)</u> Alpine Sub-Alpine Upper Foothills

Scientific Element Name (Non-vascular Plants) PARep Common Name ERank Bryobrittonia longipes 3 Cynodontium tenellum A 2 Dicranella crispa curl-leaved fork moss 4 5 Dicranella palustris drooping-leaved fork moss 2 4 Pogonatum urnigerum urn-like pogonatum 2 2 Scientific Element Name (Vascular Plants) Common Name ERank PARep Agrostis exarata spike redtop one-headed everlasting 2 Antennaria monocephala Aquilegia formosa Epilobium clavatum Sitka columbine willowherb 22 2 Erigeron pallens Festuca altaica pale alpine fleabane 4 northern rough fescue alpine gentian alpine sweet grass ground-fir 2 Gentiana glauca Hierochloe alpina Lycopodium sitchense Pedicularis arctica Pedicularis capitata 3 2 2 4 Arctic lousewort large-flowered lousewort 3 3 3 Potentilla multisecta Ranunculus grayi Ranunculus verecundus smooth-leaved cinquefoil 4 4 Gray's buttercup alpine buttercup 2 Saxifraga nelsoniana ssp porsildiana Nelson's saxifrage 4 Site Name Landform Element Name Subelement ERank PARep Stinking Creek-South Torren River Warm Springs 4 4 Lynx Creek Headwaters Area Patterned Ground 1 3

39 Blood Timber Limit

<u>Natural Subregion(s)</u> Montane

Scientific Element Name (Vertebrate Animals) Common Name PARep ERank Rana pipiens northern leopard frog 2 4 Scientific Element Name (Vascular Plants) Common Name ERank PARep Alopecurus occidentalis alpine foxtail 2 3 Arnica parryi Botrychium hesperium nodding arnica western grape fern 4 4 Botrychium minganense Botrychium spathulatum Camassia quamash var quamash Ā blue camas 4 4 Carex petasata Cirsium scariosum pasture sedge thistle 3 Crepis intermedia Danthonia californica Festuca altaica intermediate hawk's-beard 2 California oat grass northern rough fescue 3 2 Melica spectabilis Trisetum wolfii onion grass awnless trisetum 4 3

40 Beauvais Lake Provincial Park Extension Natural Subregion(s)

Montane

	Montane				
Scientific Element Name (Non-vascular P	Plants)	Common No	ame	ERank	PARep
Bryum calophyllum			5. 2003 MART (2003) - 0. 511 M (2003) - 0. 50 M (2003) - 0. 60 M (2003) - 0. 60 M (2003) - 0. 60 M (2003) - 0.	4	4
Scientific Element Name (Vascular Plants	5)	Common No	an seana de la seconomité de marcine de la secono de la secono de la seconomité de construir de la dédición de La seconomité de la seconom La maio	ERank	PARep
Hieracium cynoglossoides		woolly haw		4	2
Lupinus minimus		least lupine Watson's knotweed		4	3
Polygonum watsonii	a nan an anna ann an stàinn an stàinn a' saobh an dhan airsta dh' dha airsta dheadh an dheadh an dheadh dhe dh I	watson's Ki	101, weed y-hyperheidy (subjecture algorite find a surf of 000 and 1, Country) years and a surf our of 000 and 0 and 0 and A surf of the surf of the surf of 000 and 0	4	4
1 Crowsnest Mountain	<u>n</u> <u>Natural Subregion(s)</u> Sub-Alpine				
Site Name	Landform Element Name		Subelement	ERank	PARep
Crowsnest Mountain	Klippes			3	2
2 <u>Mt. Livingstone Natural Area Exten</u>	sion <u>Natural Subregion(s)</u> Montane Sub-Alpine			•	
Scientific Element Name (Vascular Plant	s)	Common N		ERank	PARep
Carex platylepis Conimitella williamsii		broad-scale conimitella		2 4	1
Scientific Element Name (Vascular Plant	Montane	Common N		ERank	PARep
Crepis intermedia Erigeron radicatus		dwarf fleab	e hawk's-beard ane	2 · 4	2 4
Hieracium cynoglossoides Plantago canescens		woolly hawkweed western ribgrass		4	2 4
Site Name	Landform Element Name		Subelement	ERank	PARep
Whaleback Ridge	Hogbacks			.3	5
44 Upper Oldman Rock Cut Terraces	<u>Natural Subregion(s)</u> Foothills Fescue Montane		· ·		
Scientific Element Name (Vertebrate Ani	mals)	Common N		ERank	PARep
Lagurus curtatus		sagebrush	vole	1	4
Scientific Element Name (Vascular Plan	ts)	Common N	ame	ERank	PARep
Plantago canescens		western rib	grass	3	4
Site Name	Landform Element Name		Subelement	ERank	PARep
Lundbreck Area	River Terraces		Rock-cut Terrace	1	4
45 Fisher Creek at Maclean Trail	<u>Natural Subregion(s)</u> Lower Foothills			· .	
	Plants)	Common N	lame	ERank	PARep
Scientific Element Name (Non-vascular)	(iums)				
Amblyodon dealbatus				<u>,</u> 3	4
and a second				<u>,</u> 3 2 1	4 4 4

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46 Fortress Mountain

Natural Subregion(s)
Alpine
Sub-Alpine

Scientific Element Name (Non-vascular Plants)	Common Name	ERank	PARep
Pohlia drummondii		4	2
Scientific Element Name (Vascular Plants)	Common Name	ERank	PARep
Draba kananaskis	Kananaskis whitlow-grass	5	4
Draba macounii	Macoun's whitlow-grass	4	1
Larix occidentalis	western larch	2	3
Osmorhiza purpurea	purple sweet cicely	3	2
Oxytropis jordalii ssp jordalii	purple mountain locoweed	3	1
Ranunculus nivalis	snow buttercup	3	3
Ranunculus occidentalis var brevistylis	western buttercup	2	1

47 Ratsnest Cave

Natural Subregion(s)

Montane

Scientific Element Name (Non-vasci	ilar Plants)	Common Name		PARep			
Pterygoneurum ovatum		hairy-leaved beardless moss	3	5			
Site Name	Landform Element Name	Subelement	ERank	PARep			
Canmore Area	Speleothems		· 1	2			
Canmore Area	Karst Caves	Bedding	3	2			
19 Morley Drumlins	Natural Subregion(s)						
	Montane						
Site Name	Landform Element Name	Subelement	ERank	PARep			
Morley Flats Area	Drumlins			4			
50 Devil's Head Klippe	Natural Subregion(s)						
	Alpine						
	Sub-Alpine	•					
Site Name	Landform Element Name	Subelement	ERank	PARep			
Ghost River Area	Klippes		3	2			
51 Loncpine Creek Dendritie Esko							
	Central Parkland						
Site Name	Landform Element Name	Subelement	ERunk	FARep			
Lonepine Creek Area	Eskers		1	4			
52 Baseline Fire Tower	Natural Subregion(s)						
	Sub-Alpine						
	Upper Foothills						
Scientific Element Name (Non-vasci	ular Plants)	Common Name	ERank	PARep			
Cynodontium schisti			4	4			
	·	candle-snuffer moss	3	1			
Encalypta brevicolla		urn-like pogonatum	2	2			
Encalypta brevicolla Pogonatum urnigerum		um-tike pogotiatum					
	Natural Subregion(s)	un-nec pogonatum	:				

Scientific Element Name (Vascular Plants)	Common Name	ERank	PARep
Epilobium saximontanum	Rocky Mountain willowherb	2	3

53 Ram River Falls/Canyon	Natural Subregion(s)						
	Upper Foothills						
Site Name	Landform Element Name		Subelement	ERank	PARep		
Ram Falls Area	Waterfalls			4	2		
Ram Falls Area	Gorges/Canyons			4	3		
Ram Falls Area	Plunge Pool Lakes			4	4		
54 Bighorn Mountains/South Ram	Natural Subregion(s)						
	Alpine						
	,						
	Sub-Alpine						
	Upper Foothills						
Scientific Element Name (Vascular Pla	ints)	Common Nam	e	. ERank	PARep		
Lesquerella arctica var purshii		northern bladderpod		4	4		
Pedicularis lanata		woolly lousew	ort	3	3		
Potentilla villosa Rhododendron lapponicum		hairy cinquefo Lapland rose-l		<u>3</u>	3		
					·		
55 Landslide Lake	Natural Subregion(s)						
	Alpine						
	Sub-Alpine						
Site Name	Landform Element Name	terin hata istea a terin tata kena analah dari barren kena kena kena kena kena kena kena ke	Subelement	ERank	PARep		
Landslide Lake Area	Landslide Lakes			3	1		
	Lanushuc Lakes			an ann an	1		
57 Payne-Beaverdam	Natural Subregion(s)						
	Foothills Fescue						
	Foothills Parkland						
	Montane						
Scientific Element Name (Vascular Pla	unts)	Common Nam		ERank	P.A.Rop		
Camassia quamash var quamash		blue camas		4	4		

Scientific Element Name (Vascular Plants)	Common Name	<i>ERank</i>	P.ARep	
Camassia quamash var quamash	blue camas	4	4	
Hieracium cynoglossoides	woolly hawkweed	4	2	
Montia linearis	linear-leaved montia	2	2	
Veronica serpyllifolia	thyme-leaved speedwell	4	2	

58 Police Outpost Provincial Park Extension Natural Subregion(s)

Foothills Fescue

Foothills Parkland

Scientific Element Name (Vascular Plants)	Common Name	ERank PAR
Alopecurus occidentalis	alpine foxtail	. 2 3
Barbarea orthoceras	American winter cress	2 3
Camassia quamash var quamash	blue camas	4 4
Cirsium scariosum	thistle	1 3
Conimitella williamsii	conimitella	4 3
Iris missouriensis	western blue flag	3 1
Melica smithii	melic grass	3 3
Prenanthes sagittata	purple rattlesnakeroot	4 1

59 Whiskey Gap

<u>Natural Subregion(s)</u> Foothills Fescue

Scientific Element Name (Vertebrate Animals)	Common Name	ERank	PARep	
Rana pipiens	northern leopard frog	2		
Scientific Element Name (Vascular Plants)	Common Name	ERank	PARep	
Agrostis exarata	spike redtop	2	3	
Alopecurus occidentalis	alpine foxtail	2	3	
Conimitella williamsii	conimitella	4	3	
Erigeron radicatus	dwarf fleabane	4	4	
Hymenopappus filifolius	tufted hymenopappus	3	4	
Iris missouriensis	western blue flag	3	4	
Orobanche ludoviciana	Louisiana broom-rape	2	5	

59 Whiskey Gap	Natural Subregion(s)				
	Foothills Fescue	· .			
Scientific Element Name (Vascular Plan	<i>its)</i>	Common Na	те	ŁKank	РАКер
Oxytropis lagopus var conjugans		hare-footed	ocoweed	. 4	4
Plantago canescens		western ribg		3	4
Ranunculus glaberrimus Schizachyrium scoparium var scoparium		early butterc		2	3
Schizachyrium scoparium var scopariun	1 	little blueste	m	4	3
Site Name	Landform Element Name		Subelement	ERank	PARep
Whisky Gap Area	Erosional Remnants	(alogo gymnow ynd 'n d y drawd fand' a'd d Yronn dan yn y		l	4
60 Del Bonita Uplands/Shanks Lake	Natural Subregion(s)				
be Der Donna e plands/Shanks Eake					
	Foothills Fescue				
	Mixedgrass				

Scientific Element Name (Vascular Plants)		Common Name		PARep
Oxytropis lagopus var conjug	ans	hare-footed locoweed	4	4
Site Name	Landform Element Name	Subelement	ERank	PARep
Del Bonita Area	Asymmetric Valleys		5	5
Del Bonita Area	Erosional Remnants		5	4
Del Bonita Area	Ice Wedge Casts		5	5

61 Ross Grassland Natural Area Extension Natural Subregion(s)

Foothills Fescue

Scientific Element Name (Vascular Plants)	Common Name	ERank	PARep
Aster campestris	meadow aster	2 .	5
Oxytropis lagopus var conjugans	hare-footed locowced	 4	4

62 Sweetgrass Hills West (base)

<u>Natural Subregion(s)</u> Dry Mixedgrass Mixedgrass

Scientific Element Name (Vertebrate Animals)	Common Name	ERank	PARep
Rana pipiens	northern leopard frog	2	
Scientific Element Name (Vascular Plants)	Common Name	ERank	PARep
Carex nebrascensis	Nebraska sedge	1	5
Crepis occidentalis	small-flowered hawk's-beard	2	3
Danthonia californica	California oat grass	1	3
Danthonia unispicata	one-spike oat grass	2	4
Juncus confusus	few-flowered rush	2	4
Parietaria pensylvanica	American pellitory	2	4
Rorippa tenerrima	slender cress	2	4

63 Sweetgrass Hills East

<u>Natural Subregion(s)</u> Dry Mixedgrass

Mixedgrass

Scientific Element Name (Vascula	r Plants)	Common Nar	ne	ERank	PARep
Carex nebrascensis Crepis occidentalis Danthonia californica		Nebraska sed small-flower California oa	ed hawk's-beard	1 2 1	5 3 3
Site Name	Landform Element Name		Subelement	ERank	PARep
Lower Sweetgrass Hills	Dikes			4	2

64 Willow Creek

<u>Natural Subregion(s)</u> Foothills Fescue Mixedgrass

Scientific Element Name (Vascular Plants)		Common Nar	ne	ERank	PARep
Erigeron ochroleucus var scribneri				2	3
Schizachyrium scoparium var scoparium		little hluester	n 	 4	5
Site Name	Landform Element Name		Subelement	ERank	PARep
Porcupine Hills	Meltwater Channels		Subglacial	1	5

65 Water Valley

<u>Natural Subregion(s)</u> Montane Upper Foothills

Scientific Element Name (Non-vascular Plants)	Common Name	ERank	PARep
Brachythecium albicans		2	4
Drepanocladus brevifolius	brown moss	4	4
Philonotis marchica		3	4
Scientific Element Name (Vascular Plants)	Common Name	ERank	PARep
Parnassia parviflora	small northern grass-of-parnassus	. 3	2

66 Airdrie Murdlins

Natural Subregion(s) Foothills Fescue

Site Name	Landform Element Name	Subelement	ERank	PARep
Airdrie Area	Murdlins		4	5
68 Milk River Valley - Pinhorn	Natural Subregion(s)			

Dry Mixedgrass

Scientific Element Name (Verte	brate Animals)	Common Name	ERank	PARep
Chrysemys picta		painted turtle	3	4
Icterus bullockii		Bullock's Oriole	3	5
Phrynosoma douglasii var brevirostre Rana pipiens		short horned lizard	2	1
		northern leopard frog	2	4
Scientific Element Name (Vasc	ular Plants)	Common Name	ERank	PARep
Chenopodium leptophyllum Eriogonum cernuum Hordeum pusillum		narrow-leaved goosefoot	1	4 2
		nodding umbrella-plant	2	
		little barley	4	5
Suaeda moquinii		Moquin's sea-blite	- 2	5
Site Name	Landform Element Name	Subelement	ERank	PARep
Pinhorn Area	Badlands		1	4
Pinhorn Area	Gorges/Canyons		1	3
Pinhorn Area	Neck Cutoffs		1	5
Pinhorn Area	Bar-and-Swale Topography		1	4
Milk River Area	Pipes and Related Phenomen	a	······································	2
Vegetation Community Elemen	t Name		առիտրալույուլ ու կույն օրդել որ կուն ու կուսի ուսուսուսու էլ ու կույրեն են են հետ են հետ հետ հետ հետ հետ հետ հե	
Riparian cottonwoods		×	· · ·	

69 Lost River

<u>Natural Subregion(s)</u> Dry Mixedgrass

Common Name	ERank	PARep
Mountain Plover	5	5
short-horned lizard	2	4
Common Name	FRank	DID
Common Name	Lhunk	РАКер
	Mountain Plover short-horned lizard	Mountain Plover 5 short-horned lizard 2

Natural Subregion(s) Dry Mixedgrass 69 Lost River

Scientific Element Name (Vas	cular Planis)	Common Name	ERank	PARep
Chenopodium subglabrum	n y e per en anno anno a gruppe anno a sea an de la sea da anno a anno a bana 111 a 11 a 11 a 11 a 11 a 11 a 1	smooth narrow-leaved goosefoot	4	5
Crepis occidentalis		small-flowered hawk's-beard	2	3
Linanthus septentrionalis		linanthus	3	3
Lygodesmia rostrata		annual skeletonweed	>	4
Marsilea vestita		hairy pepperwort	3	5
Oenothera andina	· · · ·	upland evening-primrose	4	5
Orobanche ludoviciana		Louisiana broom-rape	2	5
Psilocarphus elatior		woollyheads	3	4
Suaeda moquinii		Moquin's sea-blite	2	5
Townsendia exscapa		low townsendia	3	5
Yucca glauca		soapweed	3	5
Site Name	Landform Element Name	Subelement	ERank	PARep
Lost River Area	Drumlins		1	4
Comrey Area	Honeycomb Weathering		4	4
Vegetation Community Eleme	ent Name			
Sarcobatus vermiculatus allia	nce		·····	
Yucca glauca/ Calamovilfa lo	ngifolia shrub berbaceous			10000000000000000000000000000000000000

70 Manyberries Creek Badlands

Natural Subregion(s) Dry Mixedgrass Mixedgrass

Scientific Element Name (Veri	ebrate Animals)	Common Name	ERank	PARep
Onychomys leucogaster	7 de 2017 Chana a rem de de Constitu F. P. de 1938 e conclusión, faque del núm any constitu de de V. Gerbard de Art de Performante de Anna de Constituente de Anna de Constituente de Anna de Constituente de Const	northern grasshopper mouse	2	4
Perognathus fasciatus		olive-backed pocket mouse	2	5
Phrynosoma douglasii var bre	virostre	short-horned lizard	2	4
Scientific Element Name (Vas	cular Plants)	Common Name	ERank	PARep
Stephanomeria runcinata		rush-pink	2	3
Site Name	Landform Element Name	Subelement	ERank	PARep
Manyberries Area	Sandstone Dikes		1	4
Vegetation Community Eleme	nt Namo			
Juniperus horizontalis - Koele	ria macrantha pediment vegetation			

71 Pakowki Dunes

<u>Natural Subregion(s)</u> Dry Mixedgrass

Scientific Element Name (Vertebra	ite Animals)	Common Na	me	ERank	PARep
Athene cunicularia		Burrowing (hwl	3	
Centrocercus urophasianus	aala kasmadammaaaaa da kashaalada Coldekid waxida ee ee samma dimahaana Gabda MCANDON 900 900 da madaana	Sage Grouse	an fan gener in de feren angemennen felse gener oorde de lee Verenne Carl II al 10 de de 1930 - Beker 2007 aan b	3	
Onychomys leucogaster		northern gras	sshopper mouse	2	4
Perognathus fasciatus			pocket mouse	. 2	5
Phrynosoma douglasii var breviros	stre	short-horned	lizard	2	4
Rana pipiens		northern leop	bard frog	2	· · · · · · · · · · · · · · · · · · ·
Scientific Element Name (Vascular	r Plants)	Common Na	me	ERank	PARep
Amaranthus californicus		Californian amaranth		4	5
Chenopodium desiccatum		goosefoot		2	5
Chenopodium leptophyllum	•	narrow-leaved goosefoot		1	4
Chenopodium subglabrum		smooth narro	w-leaved goosefoot	4	5
Cyperus schweinitzii Downingia laeta		sand nut-gra	55	2	2
Downingia laeta	nennen sun sun sun sun sun sun sun sun sun su	downingia		- 3	4
Franseria acanthicarpa		bur ragweed		2	4
Heliotropium curassavicum		spatulate-lea	ved heliotrope	2	5
Linanthus septentrionalis		linanthus		3	3
Orobanche ludoviciana		Louisiana br		2	5
Suaeda moquinii		Moquin's sea		2	5
Tradescantia occidentalis		western spid	erwort	3	5
Site Name	Landform Element Name		Subelement	ERank	PARep
Pakowki Lake Sand Hills	Blowouts			2	4

71 Pakowki Dunes	Natural Subregion(s)
	Dry Mixedgrass

72 City of Lethbridge and area

Natural Subregion(s) Mixedgrass

Scientific Element Name (Vertebrate Animals)	Common Name	F.R.ank	PARop
Crotalus viridis	prairie rattlesnake	· 1	
Scientific Element Name (Vascular Plants)	Common Name	ERank	PARep
Aristida longiseta	red three-awn	3	5
Bahia oppositifolia	picradeniopsis	- 3	5
Crepis occidentalis	small-flowered hawk's-beard	2	3
Draba reptans	whitlow-grass	3	5
Festuca altaica	northern rough fescue	1	2
Nemophila breviflora	small baby-blue-eyes	2	2
Oenothera serrulata	shrubby evening-primrose	2	5
Polanisia dodecandra	clammyweed	• 3	5
Populus angustifolia	narrow-leaf cottonwood	2	4
Thelesperma marginatum	greenthread	3	5
Vegetation Community Element Name			
Riparian cottonwoods			

73 Brockett Natural Subregion(s) Foothills Fescue

Scientific Element Name (Vascular Plants)	Common Name	ERank	PARep
Populus angustifolia	narrow-leaf cottonwood	2	4
Stephanomeria runcinata	rush-pink	2	3
Vegetation Community Element Name			
Riparian cottonwoods	An		

74 Hilda Sand Dunes

Natural Subregion(s) Dry Mixedgrass

Scientific Element Name (Vascular Plants)	Common Name	ERank PAI
Astragalus lotiflorus	low milk vetch	2 5
Carex parryana var parryana	Parry's sedge	3 3
Centunculus minimus	chaffweed	3 5
Elatine triandra Lilaea scilloides	waterwort flowering-quillwort	$\begin{array}{ccc} 3 & 4\\ 4 & 4\end{array}$
Sisyrinchium septentrionale	pale blue-eyed grass	4 4
Townsendia exscapa	low townsendia	3 5

75 Middle Sand Hills

Natural Subregion(s) Dry Mixedgrass

Scientific Element Name (Vertebrate Animals)		Common Name	ERank	PARep
Crotalus viridis		prairie rattlesnake	1	
Dipodomys ordii		Ord's kangaroo rat	2	5
Notropis blennius	daharahan bar barbi bar diti di sebara 100 (sebat) di sebarah dahar dahar dahar dahar di	river shiner	2	5
Onychomys leucogaster		northern grasshopper mouse	· 2	4
Perognathus fasciatus		olive-backed pocket mouse	2	5
Pituophis melanoleucus	NA second se	bull snake	1	
Rana pipiens		northern leopard frog	. 2	
Scientific Element Name (Vascular Plants)		Common Name	ERank	PARep
Eriogonum cernuum		nodding umbrella-plant	2	[.] 2
Halimolobos virgata		halimolobos	4	5
Sitanion hystrix		squirreltail	2	3
Site Name	Landform Element Name	Subelement	. ERank	PARep
Middle Sand Hills	Dunes	Parabolic	5	4
Middle Sand Hills Medicine Hat Area	Dune Ridges Gorges/Canyons	Dune-Track Ridge	5 5	5 3

ID

<u>'5</u> Middle Sand Hills	Natural Subregion(s)		
	Dry Mixedgrass		
76 Dune Point	Natural Subregion(s)		
	Dry Mixedgrass		
Scientific Element Name (Vertel	brate Animals)	Common Na	
Dipodomys ordii		Ord's kangar	oo rat
Scientific Element Name (Vascu	lar Plants)	Common Na	me
Acer negundo		Manitoba m	
Elymus virginicus	s	Virginia wil	
Oenothera flava Osmorhiza longistylis		smooth swee	evening-primrose et cicely
Site Name	Landform Element Name		Subelement
Empress Area	River Terraces		545C16/116/11
Bindloss Area	Salt Depositing Springs		and an
Vegetation Community Element	Name	·····	
Riparian cottonwoods	999999999 and 1993999 and all and 19939999999 and and an annual discontant and and a fair a firm of a standard in		
77 Wildhorse #1	Natural Subragion(s)		
Withdiorse #1	Natural Subregion(s)		
	Dry Mixedgrass		
Scientific Element Name (Verter	hrata Animals)	Common Na	1997
Athene cunicularia	oruce anutuusj	Burrowing (
Autone cumentalia		Builowing (
Scientific Element Name (Vascu	ılar Plants)	Common Na	me
Astragalus lotiflorus		low milk ver	
Astragalus purshii		Pursh's milk	
Boisduvalia glabella		smooth bois	duvalia
Centunculus minimus		chaffweed hairy pepperwort	
Marsilea vestita Polygonum watsonii		Watson's kn	otweed
Sisyrinchium septentrionale		pale blue-ey	
Spergularia marina		salt-marsh s	
Site Name	Landform Element Name		Suhelement
Onefour Area	Eskers	18.5999.001.00	
78 Black Butte	Natural Subregion(s)		
	Mixedgrass		
Site Name	Landform Element Name		Subelement
Pinhorn Area	Stocks		
80 Verdigris Coulee	Natural Subregion(s)		
and and and an and a second	Dry Mixedgrass		
Scientific Element Name (Verte	brate Animals)	Common Na	IMP
and the holds which planted as many linear and the second second second second second second second second seco			
Athene cunicularia		Burrowing (JWI

Scientific Element Name (Vertebrate Animals) Athene cunicularia		Common Name	ERank	
		Burrowing Owl	3	
Site Name	Landform Element Name	Subelement	ERank	PARep
Town of Milk River Area	Overflow Channels		1	5
81 Reed Lake	Natural Subregion(s)			
	Foothills Fescue		X	
Scientific Element Name (Vertebr		Common Name	FRank	PARan

Scientific Element Name (Vertebrate Animals)	Common Name	ERank	PARep
Lagurus curtatus	sagebrush vole	1	4

ERank

2

ERank

1

ERank

3

ERank

P.1Rop

5

PARep

4 4 5

3 3

PARep

PARep

4

FRank PARep 1

ERank PARep 4 5

ERank PARep

81 Reed Lake Natural Subregion(s)

<u>Milliant</u>	Foothills Fescue			
Scientific Element Nume (Vascular P	lunts)	Common Name	ERank	PARep
Chenopodium leptophyllum	99997799779777977777777777777777777777	narrow-leaved goosefoot	- 1	4
Danthonia californica		California oat grass	Î	3
Danthonia unispicata		one-spike oat grass	2	4
Hymenopappus filifolius Mertensia lanceolata		tufted hymenopappus lance-leaved lungwort	2	4
Plantago canescens		western ribgrass	3	4
Populus angustifolia		narrow-leaf cottonwood	2	4
Sphenopholis obtusata		prairie wedge grass	. 2	5
<u>32 Glenwood Erratic</u>	<u>Natural Subregion(s)</u> Foothills Fescue			
Site Name	Landform Element Name	Subelement	ERank	PARep
Glenwood Area	Erratics		1	4
33 St. Mary River Incised Meander	 <u>Natural Subregion(s)</u> Foothills Fescue 			
Site Name	Landform Element Name	Subelement	ERank	PARep
St. Mary Dam Area	River Meanders	Incised	1	3
34 Mud Butte	<u>Natural Subregion(s)</u> Northern Fescue			
Site Name	Landform Element Name	Subelement	ERank	PARep
Monitor Area	Hill-hole Pairs			5
	Northern Fescue			
Site Name	Landform Element Name	Subelement	ERank	PARep
Neutral Hills Area	Hill-hole Pairs		1	5
86 Craigmyle/Clear Lake/Victoria	Lake <u>Natural Subregion(s)</u> Northern Fescue			
Scientific Element Name (Non-vascu	lar Plants)	Common Name	ERank	PARep
Bryum marratii			4	5
Scientific Element Name (Vascular P	Plants)	Common Name	ERank	PARep
Lobelia spicata		spiked lobelia	3	5
Potentilla plattensis		low cinquefoil	3	Ž
87 <u>Mudspring Lake Soapholes</u>	Natural Subregion(s) Central Parkland Northern Fescue			
Site Name	Landform Element Name	Subelement	ERank	PARep
Mudspring Lake Area	Soapholes		1	5
88 Drumheller Badlands	<u>Natural Subregion(s)</u> Northern Fescue			
Scientific Element Name (Vertebrate	Animals)	Common Name	ERank	PARep
Bufo hemiophrys		Canadian toad	2	*
Falco peregrinus		Peregrine Falcon	22	0.0740 3000 00700 00 00
Rana pipiens		northern leopard frog	2	

88 Drumheller Badlands Natural Subregion(s) Northern Fescue Northern Fescue

Scientific Element Name (Vascular Plants) Atriplex canescens		Common Name		ERank	PARep
		saltbush		1	5
Atriplex powellii		Powell's salt	oush	3	5
Polygonum watsonii Townsendia exscapa	-	Watson's kno	otweed	4	4
Townsendla exscapa		low townsen	JIa	3	5
Site Name	Landform Element Name		Subelement	ERank	PARep
Drumheller Area	Badlands			l	4
90 Horseshoe Lake	Natural Subregion(s)				
•	Central Parkland				
	Northern Fescue				
Scientific Element Name (Vertebrate Animals)		Common Na	ne	ERank	PARep
Charadrius melodus		Piping Plove	r	2	
Sita Nama	Landform Flamant Nama		Subalamant	FPaul	

Site Name	Landform Element Name	Subelement	ERank	PARep
Czar Area	Drift Basins	Saline/Alkaline Lake	1	4
/h89/dd.bdd.doond.dd.ac.dd.ac.dd.bd.bd.dd.Boonedd.Acongellangengangengangengangengangengangengangengangengangen		A		100001000000000000000000000000000000000

91 Eagle Butte Impact Structure

<u>Natural Subregion(s)</u> Mixedgrass

Site Name	Landform Element Name	Subelement	ERank	PARep
Eagle Butte	Impact Structures		4	5

92 Ribstone Creek

Natural Subregion(s) Central Parkland

Scientific Element Name (Vertebrate Animals)	Common Name	ERank	PARep
Carpiodes cyprinus	quillback	2	5
Microtus ochrogaster	prairie vole	2	4
Scientific Element Name (Non-wascular Plants)	Common Name	ERank	P.ARop
Phascum cuspidatum	cuspidate earth moss	2	5
Pterygoneurum subsessile		3	5
Weissia controversa	green-cushioned weissia	3	3
Scientific Element Name (Vascular Plants)	Common Name	ERank	PARep
Acer negundo	Manitoba maple	2	4
Oenothera serrulata	shrubby evening-primrose	2	5
Physostegia ledinghamii Spergularia marina	salt-marsh sand spurry	4 2	4 4
Vegetation Community Element Name			****
Festuca hallii alliance		*	fanal (. 11. 1. ann an

<u>93 Fabyan</u>

Natural Subregion(s)

Central	Parkland
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Scientific Element Name (Vascular Plants)	Common Name	ERank	PARep
Asclepias ovalifolia	low milkweed	2	3
Chenopodium leptophyllum	narrow-leaved goosefoot	1	4
Houstonia longifolia	long-leaved bluets	3	5
Lycopus americanus	American water-horehound	2	5
Festuca hallii alliance			

94 David Lake Ecological Reserve Extension Natural Subregion(s) Central Parkland Central Parkland

	nts)	Common Nan	e	ERank	PARep
Carex rostrata		beaked sedge		· 2·	2
Drosera anglica Drosera linearis		oblong-leaved slender-leaved	sundew	2 3	4
Eleocharis compressa var borealis		flattened spike	e-rush		3 4
5 Reflex Lake/Salt Springs	<u>Natural Subregion(s)</u> Central Parkland			·	
			an an ann an an ann ann ann ann ann ann		
Scientific Element Name (Vertebrate Ar		Common Nan	16	ERank	PARep
Charadrius melodus		Piping Plover		2	
Element Name (Other Vertebrates)					
shorebird staging area					
Site Name	Landform Element Name		Subelement	ERank	PARep
Chauvin Area	Salt Depositing Springs			1	. 3
<u> 66 Edgerton Landslide</u>	<u>Natural Subregion(s)</u> Central Parkland				
Site Name	Landform Element Name		Subelement	ERank	PARep
Edgerton Landslides	Rock Slides	******		1	3
97 Edgerton Dunes	<u>Natural Subregion(s)</u> Central Parkland		•		lengen gegen gegen der einen einen
Site Name	Landform Element Name		Subelement	ERank	PARep
Edgerton Sand Hills Edgerton Area	Dune Ridges Non-Patterned Fens without Ir		North Battleford Ridge	4	4 5

98 Lloydminster Crevasse Fillings	<u>Natural Subregion(s)</u> Central Parkland				
98 Lloydminster Crevasse Fillings Site Name			Subelement	ERank	PARej
98 Lloydminster Crevasse Fillings Site Name Lloydminster Area	Central Parkland		Subelement	ERank 1	PARep 4
Site Name Lloydminster Area	Central Parkland Landform Element Name Crevasse Fillings		Subelement		
Site Name	Central Parkland Landform Element Name Crevasse Fillings nnel Natural Subregion(s)		Subelement Subelement		4
Site Name Lloydminster Area 99 Kinsella Tufa and Ice-walled Cha Site Name Kinsella Area	Central Parkland Landform Element Name Crevasse Fillings nnel Natural Subregion(s) Central Parkland Landform Element Name Meltwater Channels	· · · · · · · · · · · · · · · · · · ·	· · · · · · · · · · · · · · · · · · ·	1 <i>ERank</i> 1	4 PARep 5
Site Name Lloydminster Area 99 <u>Kinsella Tufa and Ice-walled Cha</u> Site Name	Central Parkland Landform Element Name Crevasse Fillings nnel Natural Subregion(s) Central Parkland Landform Element Name		Subelement	1 ERank	4 PARep
Site Name Lloydminster Area 99 <u>Kinsella Tufa and Ice-walled Cha</u> Site Name Kinsella Area Kinsella Area	Central Parkland Landform Element Name Crevasse Fillings nnel Natural Subregion(s) Central Parkland Landform Element Name Meltwater Channels		Subelement	1 <i>ERank</i> 1	4 PARep 5
Site Name Lloydminster Area 99 <u>Kinsella Tufa and Ice-walled Cha</u> Site Name Kinsella Area Kinsella Area	Central Parkland Landform Element Name Crevasse Fillings nmel Natural Subregion(s) Central Parkland Landform Element Name Meltwater Channels Tufa Depositing Springs Natural Subregion(s)		Subelement	1 <i>ERank</i> 1	4 <i>PARep</i> 5 4
Site Name Lloydminster Area 99 Kinsella Tufa and Ice-walled Cha Site Name Kinsella Area Kinsella Area 100 Oliva Lake	Central Parkland Landform Element Name Crevasse Fillings nnel Natural Subregion(s) Central Parkland Landform Element Name Meltwater Channels Tufa Depositing Springs Natural Subregion(s) Central Parkland		Subelement Tce-walled Subelement	I ERank 1 1 ERank	PARep 5 4 PARep
Site Name Lloydminster Area 29 Kinsella Tufa and Ice-walled Cha Site Name Kinsella Area Kinsella Area 100 Oliva Lake Site Name	Central Parkland Landform Element Name Crevasse Fillings nnel Natural Subregion(s) Central Parkland Landform Element Name Meltwater Channels Tufa Depositing Springs Natural Subregion(s) Central Parkland Landform Element Name Landform Element Name Landform Element Name		Subelement Tce-walled	I ERank 1 1	4 <i>PARep</i> 5 4
Site Name Lloydminster Area 29 Kinsella Tufa and Ice-walled Cha Site Name Kinsella Area Kinsella Area 100 Oliva Lake Site Name Oliva Lake	Central Parkland Landform Element Name Crevasse Fillings nnel Natural Subregion(s) Central Parkland Landform Element Name Meltwater Channels Tufa Depositing Springs Natural Subregion(s) Central Parkland Landform Element Name Meltwater Channels Tufa Depositing Springs Natural Subregion(s) Central Parkland Landform Element Name Drift Basins		Subelement Ice-walled Subelement Salinc/Alkalinc Lake	1 <i>ERank</i> 1 1 <i>ERank</i> 1	4 PARep 5 4 PARep 4
Site Name Lloydminster Area 29 Kinsella Tufa and Ice-walled Cha 30 Site Name Kinsella Area Kinsella Area 100 Oliva Lake Site Name Oliva Lake Kinsella Area	Central Parkland Landform Element Name Crevasse Fillings nnel Natural Subregion(s) Central Parkland Landform Element Name Meltwater Channels Tufa Depositing Springs Natural Subregion(s) Central Parkland Landform Element Name Meltwater Channels Tufa Depositing Springs Natural Subregion(s) Central Parkland Landform Element Name Drift Basins Meltwater Channels Natural Subregion(s)		Subelement Ice-walled Subelement Salinc/Alkalinc Lake	1 <i>ERank</i> 1 1 <i>ERank</i> 1	4 PARep 5 4 PARep 4

101 Driedmeat Lake	Natural Subregion(s)				
	Central Parkland		·		
Site Name	Landform Element Name		Subelement	ERank	PARep
Driedmeat Lake	Deltas		Unilobate	4	5
<u>02 Coal Lake</u>	Natural Subregion(s) Central Parkland				
Site Name	Landform Element Name		Subelement	ERank	PARep
Coal Lake	Glacial Tunnel Lakes			3	5
103 Jacknife Springs	<u>Natural Subregion(s)</u> Lower Foothills				
Site Name	Landform Element Name		Subelement	ERank	PARep
Lodgepole Area	Tufa Depositing Springs			1	4
Scientific Element Name (Vascular Pl Carex pauciflora	Boreal Highlands Central Mixedwood lants)		m Name wered sedge	ERank 2	PARep 4
Coptis trifolia Isoetes echinospora Juncus stygius var americanus		goldthr norther marsh	n quillwort	232	4 - 5 5
105 Mameo Beach/Pigeon Lake	<u>Natural Subregion(s)</u> Dry Mixedwood				
Scientific Element Name (Vascular Pl	lants)	Comme	on Name	ERank	PARep
Carex heleonastes	ρι, η οι το τη η μετηγραφικά καταπολογιατικά το πολιτικό το πολιτικού στο στο στο το τη τη τη τη τη τη τη τη τ Τ		n Bay sedge	3	4
Carex lacustris		lakesho turned	ore sedge	22	3
Carex retrorsa Carex tincta		tinged	sedge	4	5
Carex vulpinoidea		fox sec		2	5 2
Festuca altaica Geranium carolinianum	*	Carolii	n rough fescue na wild geranium	1	3
Lactuca biennis		tall blu	e lettuce	2	5
Oryzopsis canadensis Potamogeton praelongus			an rice grass stem pondweed	32	5 4
106 Edmonton Ravines	<u>Natural Subregion(s)</u> Central Parkland				
Scientific Element Name (Non-vascul	ar Plants)	Comm	on Name	ERank	PARep
Brachythecium albicans				Z	4
Brachythecium rutabulum				2	5
Bryum turbinatum				1	4

Brachythecium rutabulum		Z	2
Bryum turbinatum		1	4
Bryum uliginosum		. 3	5
Conardia compacta		3	4
Pohlia atropurpurea		3	5
Rhodobryum ontariense		3	- 4
Scouleria aquatica		3	2
Scientific Element Name (Vascular Plants)	Common Name	ERank .	PARep
Artemisia tilesii	Herriot's sagewort	2	4
Asclepias ovalifolia	low milkweed	2	3
Aster umbellatus	flat-topped white aster	2	4
Bromus altissimus	Canada brome	3	. 4
Carex hookerana	Hooker's sedge	3	3
Carex maritima var incurviformis	seaside sedge	4	2
Malaxis monophylla	white adder's-mouth	2	3
Muhlenbergia racemosa	marsh muhly	3	4
Osmorhizalongistylis	smooth sweet cicely	2	5

 106
 Edmonton Ravines
 Natural Subregion(s)

 Central Parkland
 Vertical Subregion(s)
 Vertical Subregion(s)

107 Fort Saskatchewan

<u>Natural Subregion(s)</u> Central Parkland

Scientific Element Name (Non-vascular Plants)	Common Name	<i>LKank</i>	РАКер
Aloina rigida	aloe-like rigid screw moss	3	4
Bryohaplocladium virginianum		T	5
Leskea obscura		3	Š
Rhodobryum ontariense		ž	4
Thuidium philibertii		3	5
Scientific Element Name (Vascular Plants)	Common Name	ERank	PARep
Artemisia tilesii	Heniut's sagewort	2	4
Asclepias ovalifolia	low milkweed	2	3
Aster umbellatus	flat-topped white aster	2	4
Botrychium campestre	field grape fern	4	5
Botrychium multifidum var intermedium	leather grape fern	4	4
Botrychium simplex	dwarf grape fern	3	i
Botrychium spathulatum		4	2
Carex backii	Back's sedge	. 3	3
Carex hookerana	Hooker's sedge	3	3
Carex retrorsa	turned sedge	2	4
Carex umbellata	umbellate sedge	2	4
Dichanthelium oligosanthes	sand millet	3	5
Houstonia longifolia	long-leaved bluets	3	5
Lycopus americanus	American water-horehound	2	5
Oryzopsis canadensis	Canadian rice grass	3	5
Physostegia ledinghamii	***************************************	4	4

108 Blackfoot Reserve

<u>Natural Subregion(s)</u> Dry Mixedwood

Scientific Element Name (Non-vascular Plan	nts)	Common Name	ERank	PARep
Conardia compacta			3	4
Desmatodon heimii	sinatodon heimi		2	5
repanocladus crassicostatus		brown moss	4	4
Phascum cuspidatum	Phascum cuspidatum		2	5
Physcomitrium pyriforme Rhizomnium andrewsianum Weissia controversa		urn moss	3	5
			4	4
		green-cushioned weissia	3	3
Scientific Element Name (Vascular Plants)		Common Name	ERank	PARep
Botrychium multifidum var intermedium		leather grape fern	4	4
Carex trisperma		three-seeded sedge	2	3
Carex vulpinoidea		fox sedge	2	5
Dryopteris cristata		crested shield fern	3.	4
Malaxis monophylla		white adder's-mouth	2	3
Najas flexilis		slender naiad	3	4
Potamogeton foliosus		leafy pondweed	3	4
Potamogeton obtusifolius		blunt-leaved pondweed	2	5
Potamogeton praelongus		white-stem pondweed	2	4
Wolffia columbiana		watermeal	2	3
Site Name	Landform Element Name	Subelement	ERank	PARep
Cooking Lake Area	Megablocks		3	5

109 Lac St. Anne North

Natural Subregion(s) Dry Mixedwood

Scientific Element Name (Non-vascular Plants)	Common Name	ERank	PARep
Brachythecium rutabulum		2	5
Splachnum ampullaceum	flagon-fruited splachnum	2	5
Scientific Element Name (Vascular Plants)	Common Name	ERank	PARep
Aster umbellatus	flat-topped white aster	2	4
Barbarea orthoceras	American winter cress	2	3
Carex backii	Back's sedge	. 3	3
Carex heleonastes	Hudson Bay sedge	3	4
Carex lacustris	lakeshore sedge	2	3

<u>Natural Subregion(s)</u> Dry Mixedwood 109 Lac St. Anne North

Scientific Element Name (Vascular Plants)	Common Name	ERank PARep
Carex loliacea	rye-grass sedge	2 4
Carex retrorsa	turned sedge	2 4
Carex trisperma	three-seeded sedge	2 3
Carex vulpinoidea	fox sedge	2 5
Danthonia californica	California oat grass	1 3
Lactuca biennis	tall blue lettuce	2 5
Malaxis paludosa	bog adder's-mouth	4 4
Potamogeton natans	floating-leaf pondweed	2 3
Potamogeton obtusifolius	blunt-leaved pondweed	- 2 5
Potamogeton praelongus	white-stem pondweed	2 4
Potamogeton robbinsii	Robbins' pondweed	3 4
Sparganium glomeratum	bur-reed	4 5
Viola macloskeyi var pallens	Macloskey's violet	3 2

110 Pine Creek

Natural Subregion(s) Lower Foothills Upper Foothills

Scientific Element Name (Non-vascular Plants)	Common Name	ERank	PARep
Schistostega pennata	luminous moss	4	5
Scientific Element Name (Vascular Plants)	Common Name	. ERank	PARep
Carex houghtoniana	sand sedge	. 2	5
Carex Ioliacea	rye-grass sedge	2	4
Coptis trifolia	goldthread	2	4
Lactuca biennis	tall blue lettuce	2	5
Oplopanax horridus	devil's-club	3	4

111 Windfall Creek

Natural Subregion(s) Lower Foothills

Scientific Element Name (Non-vascular Plants)	Common Name	ERank	PARep
Pogonatum dentatum	hair-like pogonatum	4	4
Scientific Element Name (Vascular Plants)	Common Name	ERank	PARep
Carex umbellata	umbellate sedge	2	4
Oplopanax horridus	devil's-club	3	4
Phegopteris connectilis	northern beech fern	2	4
Stellaria crispa	wavy-leaved chickweed	2	3

112 Smoke Lake

Natural Subregion(s) Central Mixedwood Lower Foothills

Scientific Element Name (Non-va	iscular Plants)	Comn	non Name	ERank	PARep
Schistostega pennata		lumin	luminous moss		5
Scientific Element Name (Vascul	ar Plants)	Comn	ion Name	ERank	PARep
Carex trisperma		three-	three-seeded sedge		3
Carex umbellata		umbe	late sedge	2	4
Coptis trifolia		goldtl	iread	2	4
Oplopanax horridus		devil's-club		3	4
Phegopteris connectilis		northe	rn beech fern	2	4
Ranunculus uncinatus		hairy	buttercup	2	2
Scirpus clintonii		Clinto	n's bulrush	4	5
Site Name	Landform Elemer	nt Name	Subelement	ERank	PARep
Fox Creek Area	Marl Bogs			3	2

113 Goose Mountain Ecological Reserve Extension <u>Natural Subregion(s)</u>

<u>Natural Subregion(s)</u> Lower Foothills Upper Foothills

Scientific Element Name (Non-vascular Plants)	Common Name	ERank	PARep
Brachythecium rutabulum	Aut 11111195-1111 and and all added 2019/201997111971334748191933424749993511999956 Autor and an anna an anna an anna an an an an	2	5
Dicranella crispa	curl-leaved fork moss	4	5
Dicranella heteromalla	silky fork moss	4	5
Discelium nudum	naked weissia	4	- 5
Fontinalis neomexicana		3	5
Pogonatum dentatum	hair-like pogonatum	4	4
Pogonatum urnigerum	urn-like pogonatum	2	2
Polytrichum longisetum	slender hairy-cap	3	5
Sphagnum compactum	neat bog moss	2	4
Sphagnum lindbergii	Lindberg's bog moss	2	4
Splachnum vasculosum	large-fruited splachnum	4	5
Scientific Element Name (Vascular Plants)	Common Name	ERank	PARep
Cardamine umbellata	mountain cress	4	1
Carex heleonastes	Hudson Bay sedge	3	4
Carex houghtoniana	sand sedge	2	5
Carex Ioliacea	rye-grass sedge	2	4
Carex pauciflora	few-flowered sedge	- 2	4
Carex trisperma	three-seeded sedge	2	3
Coptis trifolia	goldthread	2	4
Cystopteris montana	mountain bladder fern	2	3
Drosera anglica	oblong-leaved sundew	2	4
Epilobium lactiflorum	willowherb	2	1
Epilobium leptocarpum	willowherb	3	4
Glyceria elata	tufted tall manna grass	2	4
Juncus brevicaudatus	short-tail rush	3	4
Juncus filiformis	thread rush	2	4
Juncus stygius var americanus	marsh rush	2	5
Lycopodium sitchense	ground-fir	2	4
Oplopanax horridus	devil's-club	3	4
Prenanthes alata	white lettuce	3	5
Sparganium hyperboreum	northern bur-reed	3	4
Stellaria crispa	wavy-leaved chickweed	2	3
Streptopus streptopoides	twisted-stalk	3	5

114 Wolf Lake

Natural Subregion(s) Central Mixedwood

Scientific Element Name (Nor	n-vascular Plants)	e o minit	on Name	ERank	PARep
Brachythecium rutabulum			ar 1999 dan kelan kelan kana dan kana dan pergana pergana pergana perangkan perangkan perangkan dan pergana per	2	5
Conardia compacta	1 1			3	4
Scientific Element Name (Vas	cular Plants)	Comm	on Name	ERank	PARep
Carex heleonastes		Hudso	n Bay sedge	3	4
Carex retrorsa		turned	sedge	2	4
Site Name	Landform Elemer	nt Name	Subelement	ERank	PARep
Wolf Lake Area	Hill-hole Pairs			1	5

116 Crow Lake Extension

<u>Natural Subregion(s)</u> Central Mixedwood

Scientific Element Name (Vascular Plants)	Common Name	ERank	PARep
Carex oligosperma	few-fruited sedge	4	4
Carex vesicaria	blister sedge	2	2
Juncus filiformis	thread rush	2	4
Lycopodium sitchense	ground-fir	2	4
Scirpus pallidus	pale bulrush	3	4

118 Gregoire Lake Provincial Park Extension Natural Subregion(s)

Central Mixedwood

Scientific Element Name (Non-vascular Plants)	Common Name	ERank	PARep	,
Brachythecium rutabulum		?	5 `	

118 Gregoire Lake Provincial Park Extension Natural Subregion(s)

Central Mixedwood

Scientific Element Name (Vascular Planis)	Common Name	ERank	PARep
Carex petasata	pasture sedge	2	2
Lactuca biennis	tall blue lettuce	2	5
Potamogeton natans	floating-leaf pondweed	- 2	3

120 Cameron Hills Natural Subregion(s) Boreal Highlands Sub-Arctic

Scientific Element Name (Vert	ebrate Animals)	Comm	on Name	ERank	PARep
Spizella arborea		Ameri	can tree sparrow	3	5
Scientific Element Name (Vaso			on Name	ERank	PARep
Arctagrostis arundinacea	en de miner de la de se de la de la minera de una de ser en de dédativités de de la merera de novembre de dédat	polar s	grass	**************************************	4
Carex Ioliacea			ass sedge	2	4
Isoetes echinospora		northe	rn quillwort	3	5
Lycopodium selago	·		ain club-moss	· 1	1
Pinguicula villosa		small	outterwort	4	4
Site Name	Landform Ele		Subelement	ERank	PARep
Cameron Hills	Flutings		Giant	3	5

121 Caribou Mountains (Yates River) Natural Subregion(s)

Boreal Highlands

Sub-Arctic

Scientific Element Name (Vascular Plants)	Common Name	ERank	PARep
Boschniakia rossica	ground-cone	3	5
Drosera anglica	oblong-leaved sundew	2	4
Pedicularis sudetica	purple rattle	3	5
Pinguicula villosa	small butterwort	4	4

122 Thistle Creek-Brazeau Bluehole Springs Natural Subregion(s)

Natural Subregion(s) Sub-Alpine

Upper Foothills

Site Name	Landform Element Name	Subelement	ERank	PARep
Thistle Creek-Brazeau River Area	Blue hole Springs	· · · · · ·	4	4
and a conservation of the constraint of the constraint of the second state of t	Output on a formal and a summarized and a sub-formal control on the second s			\$~~~~~~~~~~~~~~~~~

<u>123</u> Thunder Lake Eskers

Upper Foothills

Site Name	Landform Element Name	Subelement	ERank	PARep
Cardinal/Brazeau Confluence Area	Eskers		1	4

124 Grassy Mountain Nordegg

<u>Natural Subregion(s)</u> Upper Foothills

Natural Subregion(s)

Common Name	ERank	PARep
	3	4
	4	3
1/1/1/1/1999/00/1/1/1/1/1/1/1/1/1/1/1/1/	4	5
rigid screw moss	2	3
	3	2
splanchnoid cyrtodon	5	5
	rigid screw moss	rigid screw moss 2

125 McGregor Lake Natural Subregion(s)

Upper Foothills

Scientific Element Name (Vertebrate Animals)	Common Name	ERank	PARe
Pelecanus erythrorhynchos	American White Pelican	4	
Scientific Element Name (Vascular Plants)	Common Name	ERank	PARe
Carex Ioliacea	rye-grass sedge	2	4
Cystopteris montana	mountain bladder fern	2	3
Osmorhiza purpurea	purple sweet cicely	3	2

126 Stevens Creek

<u>Natural Subregion(s)</u> Upper Foothills

Scientific Element Name (Vascular Plants)	Common Name	ERank	PARep
Anemone quinquefolia	wood anemone	3	5
Cystopteris montana Oplopanax horridus	mountain bladder fern devil's-club	2 3	4
			£

127 Shunda Water Gap

<u>Natural Subregion(s)</u> Upper Foothills

Site Name	Landform Element Name	Subelement	ERank	PARep
Shunda Area	Water Gaps		1	3

<u>129</u> <u>Mercoal</u>

Natural Subregion(s) Upper Foothills

Scientific Element Name (Vascular Plants)	Common Name	ERank	PARep
Barbarea orthoceras	American winter cress	2	3
Carex capitata	capitate sedge	2	3
Epilobium lactiflorum	willowherb	2	1
	Rocky Mountain willowherb	Ż	3
Eriophorum scheuchzeri	one-spike cotton grass	2	1

130 Sundance Hoodoos Natural Subregion(s) Lower Foothills Natural Subregion(s) Natural Subregion(s)

Upper Foothills

Site Name	Landform Element Name	Subelement	ERank	PARep	
Sundance Lake Area	Hoodoos		1	2	

132 Genessee Bridge

<u>Natural Subregion(s)</u> Dry Mixedwood

Common Name	ERank	PARep
short-beaked rigid screw moss	3	2
aloe-like rigid screw moss	3	4
	4	5
	3	3
	3	5
	short-beaked rigid screw moss	short-beaked rigid screw moss 3

133 Kilini Creek

<u>Natural Subregion(s)</u> Dry Mixedwood

Scientific Element Name (Non-vascular Plants)	Common Name	ERank	PARep
Meesia longiseta		4	5
Scientific Element Name (Vascular Plants)	Common Name	ERank	PARep
Carex pseudocyperus Potamogeton natans Khynchospora capillacea	cyperus-like sedge floating-leaf pondweed slender beak-rush	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	3 3 4

133 <u>Kilini Creek</u>	<u>Natural Subregion(s)</u> Dry Mixedwood				
Site Name	Landform Element Name		Subelement	ERank	PARep
Heatherdown Area	Patterned Fens		Spring Fen	3	3
34 Sturgeon River Delta	Natural Subregion(s) Central Parkland				
an a	Landform Element Name		Subelement	ERank	PARep
St. Albert Area	Deltas		Stable Channel-Mouth Bar	1	4
135 Cold Lake Baymouth Bars	<u>Natural Subregion(s)</u> Central Mixedwood				
Site Name	Landform Element Name	a anna amar an an anna ann an an anna dh' anna anna anna anna anna anna anna an	Subelement	ERank	PARep
Cold Lake Area	Baymouth Bars			4	4
136 Muriel Lake hill/hole pair	<u>Natural Subregion(s)</u> Dry Mixedwood				
Site Name	Landform Element Name		Subelement	ERank	PARep
Muriel Lake Area	Hill-hole Pairs	***************************************		l	5
137 Pakan Bog Iron Springs	<u>Natural Subregion(s)</u> Dry Mixedwood				ور المراجع الم
Site Name	Landform Element Name		Subelement	ERank	PARep
Pakan Area	Iron Depositing Springs			1	3
<u>138</u> Whitefish Lake Rubble Terrain	<u>Natural Subregion(s)</u> Dry Mixedwood				
Site Name	Landform Element Name		Subelement	ERank	PARep
Whitefish Lake Area	Ice-Thrust Moraine			1	5
139 Muddy Creek/Nose Mountain	<u>Natural Subregion(s)</u> Sub-Alpine Upper Foothills				
Scientific Element Name (Vascular Plan	nts)	Common Na	wee	ERank	PARep
Agrostis exarata Salix raupii		spike redtop Raup's willo		2 · 5	3 4
140 Calahoo Creek Warm Springs	<u>Natural Subregion(s)</u> Central Mixedwood				
Site Name	Landform Element Name		Subelement	ERank	PARep
Calahoo Creek-Wapiti River Area	Warm Springs			4	4
141 Sweathouse Fire Tower	<u>Natural Subregion(s)</u> Central Mixedwood Lower Foothills				
Scientific Element Name (Non-vascular	r Plants)	Common Na	me	ERank	PARep
	P. 19 . 19 . 19 . 19 . 19 . 19 . 19 . 19	luminous m		·····	·

Bereinigie Element Mane (1101 Habeatar Flamb)	common ritane	201101111	1
Schistostega pennata	luminous moss	4	5
		decima e e e e e este comme a	

 141
 Sweathouse Fire Tower
 Natural Subregion(s)

 Central Mixedwood
 Lower Foothills

Scientific Element Name (Vascular Plar	cientific Element Name (Vascular Plants) Common		ERank	PARep
Carex pauciflora	fe	ew-flowered sedge	2	4
Carex trisperma Luzula rufescens	ti re	nree-seeded sedge eddish wood-rush	× 2 3	3
Lycopodium selago		nountain club-moss	l	Ĩ
142 Swan River	<u>Natural Subregion(s)</u> Upper Foothills			
Scientific Element Name (Non-vascular	Plants) C	Common Name	ERank	PARep
Fontinalis neomexicana			3	5
Scientific Element Name (Vascular Plan	nts) (Common Name	ERank	PARep
Barbarea orthoceras Luzula acuminata		American winter cress wood-rush	23	3 5
143 Athabasca Flutings	Natural Subregion(s)			
145 Addasta Fludings	Dry Mixedwood			
Site Name	Landform Element Name	Subelement	ERank	PARep
Athabasca Town Area	Flutings	Giant	3	5
144 Island Lake	<u>Natural Subregion(s)</u> Dry Mixedwood			
Site Name	Landform Element Name	Subelement	ERank	PARep
Island Lake	Drift Basins	Holm Lake	1	5
145 Bourque Lake Tunnel Lake	<u>Natural Subregion(s)</u> Central Mixedwood			
Site Name	Landform Element Name	Subelement	ERank	PARep
Bourque Lake	Glacial Tunnel Lakes	·	3	5
146 Wappau Lake	<u>Natural Subregion(s)</u> Central Mixedwood			
Site Nume	Landform Element Nume	Subelement	ERunk	PARep
Wappau Lake	Patterned Fens	Net Fen	3	3
<u>147</u> Pelican Lake Wetland	<u>Natural Subregion(s)</u> Central Mixedwood			
Site Name	Landform Element Name	Subelement	ERank	PARep
Pelican Lake Area	Wooded Bogs with Internal Lav	wns Northern Plateau Bog	1	5
<u>148</u> Marten Mountain Ribbed Fen	<u>Natural Subregion(s)</u> Lower Foothills		· · · · · · · · · · · · · · · · · · ·	
Site Name	Landform Element Name	Subelement	ERank	PARep
Marten Mountain Area	Patterned Fens	Northern Ribbed Fen	1	4

 149
 Lesser Slave Lake Provincial Park Extension
 Natural Subregion(s)

Dry Mixedwood

Site Name	Landform Element Name	Subelement	ERank	PARep
Lesser Slave Lake Area	Aeolian Beach Ridges		1	3
50 McLennan Sloping Fens	<u>Natural Subregion(s)</u> Dry Mixedwood			
Site Name	Landform Element Name	Subelement	ERank -	PARep
McLennan Areà	Non-Patterned Fens without Internal Lawns	Slope Fen	4	5
151 Little Smoky Landslide	Natural Subregion(s) Dry Mixedwood			
Site Name	Landform Element Name	Subelement	ERank	PARep
Guy Area	Rock Slides		1	3
153 Bear River Sandhills	<u>Natural Subregion(s)</u> Dry Mixedwood			
Site Name	Landform Element Name	Subelement	ERank	PARep
Grande Prairie Area	Dunes	Parabolic	1	4
154 Cherry Point Earth Flows	<u>Natural Subregion(s)</u> Dry Mixedwood			
Site Name	Landform Element Name	Subelement	ERank	PARep
Cherry Point Area	Earth Flows		1	5
155 Rycroft Earth Slide	<u>Natural Subregion(s)</u> Dry Mixedwood			
Site Name	Landform Element Name	Subelement	ERank	PARep
Rycroft Area	Earth Slides		1	4
156 Fairview Marl Lake	<u>Natural Subregion(s)</u> Peace River Parkland			
Site Name	Landform Element Name	Subelement	ERank	PARep
Fairview Area	Marl Lakes		3	3
Vegetation Community Element Name Peace River Parkland remnant grassland	S			4
<u>157</u> Montaganeuse River Earth Slide	<u>Natural Subregion(s)</u> Dry Mixedwood			
Site Name	Landform Element Name	Subelement	ERank	PARep
Montagneuse River	Earth Slides		· 1	4
159 Muskeg River Bog	<u>Natural Subregion(s)</u> Central Mixedwood			
Site Name	Landform Element Name	Subelement	ERank	PARep
Muskeg River Area	Wooded Bogs with Internal Lawns	Northern Plateau Bog	1	5

Fort Hills Area

Kames

D Special Feature Polygon Name				
59 Muskeg River Bog	Natural Subregion(s)			
	Central Mixedwood			
61 Algar Bog	Natural Subregion(s)			
	Central Mixedwood			
Site Name	Landform Element Name		Subelement	
Algar Lake	Wooded Bogs with Internal L	awns	Flat Bog	
162 <u>Clearwater Patterned Fen</u>	<u>Natural Subregion(s)</u>			
	Central Mixedwood			
Site Name	Landform Element Name		Subelement	
Fort McMurray Area	Patterned Fens		Spring Fen	
164 Whitemud Falls Ecological Reserv	Central Mixedwo			
Scientific Element Name (Vascular Plan Eupatorium maculatum		spotted Joe-p		Second Co
Site Name	Landform Element Name		Subelement	
Whitemud Falls Area	Stacks	90000 - 1999 (1999 Marcola Jane Alexandro and Alexandro - 1999 (1999 Marcola Jane Alexandro - 1999 Marcola Jane A	от на полнати и полнати и полнати и полнати полнати и полнати и полнати и полнати и полнати и оди и полнати и п Ополнати и полнати и оди и полнати и оди и полнати и	
165 Muskeg Mountain Channel Fens Site Name	Natural Subregion(s) Central Mixedwood Landform Element Name		Subelement	
Muskeg Mountain	Non-Patterned Fens without l	Internal Lawns	Channel Fen	
<u>166</u> Chelsea Creek Flutings	<u>Natural Subregion(s)</u> Boreal Highlands Central Mixedwood			
Site Name	Landform Element Name		Subelement	(and the
Chelsea Creek Area	Flutings			
<u>167</u> <u>Ells River Incised Meanders</u>	<u>Natural Subregion(s)</u> Central Mixedwood			
Site Name	Landform Element Name		Subelement	
Fort MacKay	River Meanders		Incised	
168 Mackay River Incised Meanders	<u>Natural Subregion(s)</u> Central Mixedwood			
Site Name	Landform Element Name		Subelement	
Fort MacKay Area	River Meanders		Incised	
169 Fort Hills	<u>Natural Subregion(s)</u> Central Mixedwood			
Scientific Element Name (Non-vascular	r Plants)	Common Nat	ne	/ /
Brachythecium nelsonii				
Site Name	Landform Element Name		Subelement	
Fort IIIIa Arao	Vomes		Kama Dalta	

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PARep 4

PARep

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PARep

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PARep

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PARep

5

ERank PARep 1

69 Fort Hills	Natural Subregion(s)			
	Central Mixedwood			
Site Name	Landform Element Name	Subelement	ERank	PARep
McClelland Lake	Patterned Fens	Northern Ribbed Fen	5	4
70 Hawk Hills Slope Fens	Natural Subregion(s) Dry Mixedwood			
Site Name	Landform Element Name	Subelement	ERank	PARep
Hawk Hills Area	Non-Patterned Fens without Internal Lawns	Slope Fen	4	5
171 Wolverine River Sand Hills	<u>Natural Subregion(s)</u> Dry Mixedwood			
Site Name	Landform Element Name	Subelement	ERank	PARep
Wolverine River Sand Hills	Dune Ridges	Lacadena Ridge	4	5
172 LaCrete Sand Hills	<u>Natural Subregion(s)</u> Dry Mixedwood			
Site Name	Landform Element Name	Subelement	ERank	PARep
La Crete Sand Hills	Dune Ridges	Lacadena Ridge	4	5
La Crete Sand Hills	Dunes	Transverse	4	3
173 Mikkwa River Wooded Bog	<u>Natural Subregion(s)</u> Sub-Arctic			
Site Name	Landform Element Name	Subelement	ERank	PARep
Birch Mountains	Wooded Bogs without Internal Lawns	Northern Plateau Bog	1	5
174 Alice Creek	<u>Natural Subregion(s)</u> Sub-Arctic			
Site Name	Landform Element Name	Subelement	ERank	PARep
Elk Lake Area Elk Lake Area	Non-Patterned Fens with Internal Lawns Non-Patterned Fens without Internal Lawns	Horizontal Fen Channel Fen		5 5
175 McLelland Lake Sinkholes	<u>Natural Subregion(s)</u> Central Mixedwood			
		e ferrit streets restriction and an		
Site Name	Landform Element Name	Subelement	ERank	PARep
McClelland Lake Area	Dolines	Collapse		l.
<u>176</u> Ronald Lake Sandhills	<u>Natural Subregion(s)</u> Central Mixedwood			
Site Name	Landform Element Name	Subelement	ERank	PARep
Lake Athabasca Area	Dunes	Parabolic	• 4	4
Lake Athabasca Area	Dune Ridges	Lake Claire Ridge	4	4
<u>177</u> Vermilion Chutes	<u>Natural Subregion(s)</u> Central Mixedwood Dry Mixedwood			
Site Name	Landform Element Name	Subelement	ERank	PARep

177 Vermilion Chutes	Natural Subregion(s)				
	Central Mixedwood				
	Dry Mixedwood				
178 Fort Vermilion Sandhills	Natural Subregion(s)				
	Dry Mixedwood				
Site Name	Landform Element Name		Subelement	ERank	PARep
Fort Vermilion Sand Hills	Dunes		Transverse	3	3
<u>179</u> Zama Lakes	<u>Natural Subregion(s)</u> Wetland Mixedwood				
Site Name	Landform Element Name		Subelement	ERank	PARep
Zama Lakes Area	Levee Dammed Lakes			4	4
180 Hay Lake Thermokarst Lake	Natural Subregion(s)				
	Wetland Mixedwood				
Site Name	Landform Element Name		Subelement	ERank	PARep
Hay Lake Area	Thermokarst Lakes	eranalı V neter ordan Mina andın araşınış ada ettiri te	יין איז	4	5
<u>182</u> Zama City Patterned Fen	<u>Natural Subregion(s)</u> Wetland Mixedwood				
Site Name	Landform Element Name		Subelement	ERank	PARep
Zama City Area	Patterned Fens		Net Fen	3	3
<u>183 Indian Cabins Peat Plateaux</u>	<u>Natural Subregion(s)</u> Wetland Mixedwood				
Site Name	Landform Element Name		Subelement	ERank	PARep
Indian Cahins Area	Peat Plateaux			1 	5
<u>184 Bistcho Lake Peat Plateaux</u>	<u>Natural Subregion(s)</u> Sub-Arctic				
Site Name	Landform Element Name		Subelement	ERank	PARep
Bistcho Lake Area	Peat Plateaux			1	5
186 Richardson River	<u>Natural Subregion(s)</u> Athabasca Plain Central Mixedwood				
Scientific Element Name (Vascular Pl	ants)	Common Na	1997 Warden in State of the anti-state of the development of the state	ERank	PARep

Scientific Element Name (Vascular Plants)		Common Name		PARep
Cypripedium acaule		stemless lady's-slipper	2	4
Sarracenia purpurea		pitcher-plant	2	4
Utricularia cornuta		horned bladderwort	3	4
Site Name	Landform Element Name	Subelement	ERank	PARep
Lake Athabasca Area	Dunes	Parabolic	5	4
Lake Athabasca Area	Dune Ridges	Lake Claire Ridge	5	4
Lake Athabasca Area	Dune Ridges	Cree Lake Ridge	5	4

188 Wylie Lake Natural Subregion(s)

Kazan Uplands

Scientific Element Name (Non-vascular Plants)	Common Name	ERank PAR
Leskeella nervosa		2 4
Scientific Element Name (Vascular Plants)	Common Name	ERank PAR
Carex heleonastes	Hudson Bay sedge	3 4
Carex lenticularis var dolia	lens-fruited sedge	4 4
Carex Ioliacea	rye-grass sedge	2 4
Potentilla multifida	branched cinquefoil	3 4

190 Andrew Lake

<u>Natural Subregion(s)</u> Kazan Uplands

Scientific Element Name (Vertebr	ate Animals)	Common Name	Common Name		PARep
Larus canus		Mew Gull	Mew Gull		5
Scientific Element Name (Vascula	ar Plants)	Common Name		ERank	PARep
Carex houghtoniana		sand sedge	sand sedge		5
Carex kelloggii		Kellogg's sedge		2	4
Carex umbellata		umbellate sedge		2	4
Isoctes cchinospora		northern quillwo		3	5
Pinguicula villosa Polypodium virginianum		small butterwort rock polypody		4	4
				2	3
Potamogeton robbinsii		Robbins' pondweed		3	4
Potentilla hookeriana		Hooker's cinque	foil	4	1
Site Name	Landform Element Name	e S	ubelement .	ERank	PARep
Swinnerton Lake Area	Fault-line Scarps			1	5
Andrew Lake Area	Raised Beaches			I	3
Waugh Lake	Stocks			4	5

191 Slave River Islands

<u>Natural Subregion(s)</u> Kazan Uplands Peace River Lowlands

Scientific Element Name (Vertel	brate Animals)	Comn	non Name	ERank	PARep
Falco peregrinus		Perogrine Falcon		2	
Scientific Element Name (Vascu	lar Plants)	Comn	non Name	ERank	PARep
Polypodium virginianum		rock j	polypody	2	3
Site Name	Landform Element	t Name	Subelement	ERank	PARep
Fort Fitzgerald Area	River Islands	*****	Bedrock Island	1	5

192 Fort Smith (Slave River Rapids)

<u>Natural Subregion(s)</u> Peace River Lowlands

Scientific Element Nume (Vertel	rute Animals)	Common	Name	ERank	PARep
Gavia pacifica	n programma in a construction of the second seco	Pacific L	oon	3	5
Lampetra japonica Microtus xanthognathus Pelecanus erythrorhynchos		Arctic la	mprey	4	5
		yellow-c	heeked vole	4	5
		America	n White Pelican	4	5
Scientific Element Name (Vascu	lar Plants)	Common		ERank	PARep
Carex capitata		capitate	sedge	2	3
Erigeron hyssopifolius		wild dais	sy fleabane	3	5
Pyrola grandiflora		Arctic w	intergreen	2	2
Site Name	Landform Eleme	ent Name	Subelement	ERank	PARep
Fitzgerald Area	Rapids			1	4

193 Audet Lake Patterned Fens Natural Subregion(s)

Central Mixedwood

Site Name	Landform Element Name	Subelement	ERank	PARep
Audet Lake Area	Patterned Fens	Northern Ribbed Fen	1	4

194 Richardson/Marguerite Rivers Dissected Kame Natural Subregion(s)

Central Mixedwood

Sile Name	Landform Element Name	Subelement	ERank	PARep
Johnson Lake-Marguerite River Area	Kames	Kame Moraine	. 1	5
197 Lake Athabasca South Shore	<u>Natural Subregion(s)</u> Athabasca Plain			

Athabasca Plain

Site Name	Landform Element Name	Subelement	ERank	PARep	
Lake Athabasca Area	Beaches		1	1	
				5	

202 Leland Lake/Tulip Lake

Natural Subregion(s) Kazan Uplands

Scientific Element Name (Verte	brate Animals)	Common Name	ERank	PARep
Gavia pacifica		Pacific Loon	3	5
				.4
Site Name	Landform Element Name	Subelement	ERank	PARep
Leland Lakes Area	Plutons		5	5
Leland Lakes Area	Tectonic Lake Basins	Fault Lake	5	4

205 Many Island Lake

Natural Subregion(s) Dry Mixedgrass

Element Name (Other Vertebro migratory bird nesting area	ates)	· · · · · · · · · · · · · · · · · · ·		
Site Name	Landform Element Name	Subelement	ERank	PARep
Walsh Area	Playa Lakes		4	4

Sarcobatus vermiculatus alliance

206 Beaverhills Lake

Natural Subregion(s) Central Parkland

Scientific Element Name (Vertebrate Animals)	Common Name	ERank	PARep
Charadrius melodus	Piping Plover	4	5
Pelecanus erythrorhynchos	American White Pelican	4	5
Element Name (Other Vertebrates)			
migratory bird nesting area			
shorebird staging area		4	

207 Sounding Lake	<u>Natural Subregion(s)</u>
	Central Parkland

Northern Fescue

Scientific Element Name (Vertebrate Animals)	Common Name	ERank	PARep
Charadrius melodus	Piping Plover	2	
		terran and a second second second second	here a service a service of the serv

D Special Feature Polygon Nam	e				
07 Sounding Lake	Natural Subregion(s)				
500hung Lake	Central Parkland				
	Northern Fescue				
		ann a gleilannan eine einige alle 11 cland also 16 fa Pal			
Element Name (Other Vertebrate shorebird staging area	<i>s)</i>		An example of the second se		
shoreond staging area					
Scientific Element Name (Vascul	ar Plants)	Common		ERank	PARep
Mimulus glabratus		smooth m	nonkeyflower	3	5
208 Killaruvy Lake	<u>Natural Subregion(s)</u> Central Parkland				
Element Name (Other Vertebrate	·s)				
shorebird staging area					
209 Buffalo Lake	<u>Natural Subregion(s)</u> Central Parkland				
Scientific Element Name (Verteb	rate Animals)	Common	Name	ERank	PARep
Charadrius melodus		Piping Pl	over	4	5
Element Name (Other Vertebrate	2 C) 				
migratory bird nesting area	•••				
shorebird staging area					
Scientific Element Name (Vascu	lar Plants)	Common	Name	ERank	PARep
Aster pauciflorus			ered aster	4	4
Chenopodium leptophyllum Osmorhiza longistylis	,		eaved goosefoot weet cicely	1	4 5
Site Name	Landform Element Name		Subelement	ERank	PARep
Buffalo Lake Arca	Moraine Plateaux			1	1 л.кер 4
211 Pakowki Lake	<u>Natural Subregion(s)</u> Dry Mixedgrass				
Scientific Element Name (Vertel	orate Animals)	Common	Name	ERank	PARep
Centrocercus urophasianus		Sage Gro		3	
Plegadis chihi		White-fa	ced Ibis	3	5
Element Name (Other Vertebrat	es)				
migratory bird nesting area					
Site Name	Landform Element Name		Subelement	ERank	PARep
Pakowki Lake	Playa Lakes	:	Subelement	4	<i>г А</i> кер 4
·	Thuyu Euros				•
213 Chappice Lake	<u>Natural Subregion(s)</u> Dry Mixedgrass				
Element Name (Other Vertebrat	es)				
shorebird staging area	9 9 9 11 11 19 19 19 19 19 19 19 19 19 1	n 1969 an an an an an an an an an ann an an an			
Δ					n / n
Site Name Chappice Lake	Landform Element Name Drift Basins	3	Subelement Saline/Alkaline Lake	ERank 1	PARep 4
Chapping Lant	Jun Dasins		Ganno / Arkanno Lako	Ĺ	+
<u>214 Namaka Lake</u>	<u>Natural Subregion(s)</u> Mixedgrass				
Scientific Element Name (Verte	brate Animals)	Common	1 Name	ERank	PARej
Servicing to Laternerit Indine (1 6/16		Common		Lawrin	•

<u>214 Namaka Lake</u>	<u>Natural Subregion(s)</u> Mixedgrass			
Element Name (Other Vertebrate	s)			
shorebird staging area				
215 Grassy Island Lake	Natural Subregion(s)			
<u></u>	Northern Fescue			
Element Name (Other Vertebrate	s)			
shorebird staging area				
216 Gooseberry Lake	<u>Natural Subregion(s)</u> Northern Fescue			
Scientific Element Name (Verteb	rate Animals)	Common Name	ERank	PARep
Charadrius melodus		Piping Plover	2	ļ
Element Name (Other Vertebrate shorebird staging area	:5)			
Vegetation Community Element	Name		·	
Festuca hallii alliance	99, 2016, 6, 201, 66, 63, 60, 60, 60, 60, 60, 60, 60, 60, 60, 60		llanda kanala kalinda manan kalinda manana kanan da manana dan kana ana kana ana ana ana ana ana ana	
218 Sunken Lake	<u>Natural Subregion(s)</u> Central Parkland			
Scientific Element Name (Verteb	raie Animals)	Common Name	ERank	PARep
Charadrius melodus		Piping Plover	2	
Element Name (Other Vertebrate shorebird staging area	25)			
220 Gillespie Lake	<u>Natural Subregion(s)</u> Central Parkland			
Element Name (Other Vertebrate	na si sundata di na fantanza antana da antana di na sina di na di na 25)			
shorebird staging area	na an an transmission an	•		
221 Baxter Lake	<u>Natural Subregion(s)</u> Central Parkland			
Scientific Element Name (Verteb	orate Animals)	Common Name	ERank	PARep
Charadrius melodus		Piping Plover	4	5
Element Name (Other Vertebrat	es) ,			
shorebird staging area		vennaenvennen ausenvenu Lune feldhinn Allunkinen (dal 1700) 		
223 Bittern Lake	<u>Natural Subregion(s)</u> Central Parkland			
Scientific Element Name (Vertel	brate Animals)	Common Name	ERank	PARep
Charadrius melodus		Piping Plover	annannen men enement i namer en en sus suren en e	5
Element Name (Other Vertebrat shorebird staging area	ies)			

224 Kimiwan Lake	<u>Natural Subregion(s)</u> Dry Mixedwood	
Element Name (Other Verteb	rates)	Na a Z mananakana ana Casta a tana ana Ana
shorebird staging area		
228 Belly River	Natural Subregion(s)	
	Foothills Fescue	
	Mixedgrass	
Scientific Element Name (Ver	rtebrate Animals)	Common Name
Athene cunicularia		Burrowing Owl
Scientific Element Name (Va.	scular Plants)	Common Name

 Scientific Element Name (Vascular Plants)
 Common Name
 ERank
 PARep

 Onosmodium molle
 western false gromwell
 3
 4

 Populus angustifolia
 narrow-leaf cottonwood
 2
 4

229 St. Mary's River Cottonwood Forests Natural Subregion(s)

Foothills Fescue

Scientific Element Name (Vertebrate Animals)	Common Name	ERank	PARep
Cottus bairdi	mottled sculpin	3	5
Rana pipiens	northern leopard frog	2	4
Scientific Element Name (Vascular Plants)	Common Name	ERank	PARep
Oenothera psammophila		3	5
Populus angustifolia	narrow-leaf cottonwood	2	4

230 Bow River Cottonwood Forests

<u>Natural Subregion(s)</u> Foothills Fescue

Mixedgrass

Common Name	ERank	PARep
northern leopard frog	2	
Common Name	ERank	PARep
Virginia wild rye	3	4
western false gromwell	5	4

	Name Virginia wild rye western false gromwell	Common Name ERank Common Name ERank

231 Lower Red Deer River

<u>Natural Subregion(s)</u> Dry Mixedgrass

Scientific Element Name (Vertebrate Animals)	Common Name	ERank	PARep
Crotalus viridis	prairie rattlesnake	1	
Heterodon nasicus nasicus	plains hognose snake	2	
Pituophis melanoleucus	bull snake	1	
Rana pipiens	northern leopard frog	2	
Scientific Element Name (Non-vascular Plants)	Common Name	ERank	PARep
Campylium polygamum		1	4
Leskea gracilescens		3	5

ERank

3

PARep

Scientific Element Name (Vascular Pla	inis)	Common l		ERank	PARep
Carex retrorsa Centunculus minimus		turned sed chaffwee		23	4
Elymus virginicus		Virginia v		3	4
Site Name	Landform Element Name		Subelement	ERank	PARep
Patricia Area	Badlands	**************************************		4 .	4
Wardlow Area	Alluvial Fans		Coalescing	4	4
Vegetation Community Element Name					
Riparian cottonwoods				·	
236 Cypress Hills	Natural Subregion(s)				
	Mixedgrass				
	Montane				
Scientific Element Name (Vertebrate A	(nimals)	Common	ren e ele con la marcalemente armética la la del densi de mérica armetica de la deserva de la del de la del de Name	ERank	PARep
Rana pipiens		northern l	eopard frog	· 2	
cientific Element Name (Vascular Plants)		Common	Name	ERank	PARep
Danthonia californica		California	a oat grass	1	3
imulus guttatus soralea argophylla		yellow me silverleaf	onkeyflower		2
Psoralea argophylla		siiverieai	psoraiea	2	4
Site Name	Landform Element Name		Subelement	ERank	PARep
Cypress Hills Area	Erosional Remnants			· 1	4
240 Bain Bluff Scientific Element Name (Vertebrate 2 Rana pipiens	<u>Natural Subregion(s)</u> Dry Mixedgrass Animals)	Common northern	Name leopard frog	ERank 2	PARep
	n en name en				
Site Name	Landform Element Name		Subelement	ERank	PARep
Medicine Hat Area	Earth Slides	dan da Marada aya da kumu na dana se	ปัจวร้างการของการที่สายสายสายสายความสายครามสายสายสายสายสายสายสายสายสายสายสายสายสายส	1	4
241 <u>Vauxhall</u>	<u>Natural Subregion(s)</u> Dry Mixedgrass	•			
Scientific Element Name (Vascular Pl	lants)	Common	Name	ERank	PARep
Polygonum watsonii Spergularia marina			knotweed h sand spurry	42	44
242 Driftwood Bend Megablock	<u>Natural Subregion(s)</u> Dry Mixedgrass	5444 11445			
	Dry Mine agrass				
Site Name	Landform Element Name		Subelement	ERank	PARep
Taber Area	Megablocks			3	5
<u>243</u> <u>Turin Dunes</u>	<u>Natural Subregion(s)</u> Dry Mixedgrass Mixedgrass				
Scientific Element Name (Vascular P	lants)	Common	Name	ERank	PARep
Astragalus lotiflorus		low milk	vetch	2	5
Chenopodium subglabrum		smooth n	arrow-leaved goosefoot	4	5
Draba reptans		whitlow		3	5

243 Turin Dunes

<u>Natural Subregion(s)</u> Dry Mixedgrass Mixedgrass

244 Kipp Megablock

Site Name

Clear Hills Clear Hills <u>Natural Subregion(s)</u> Mixedgrass

Landform Element Name

Iron Depositing Springs Patterned Fens

cientific Element Name (Vascular Plants)		Common Name	ERank	PARep
Ellisia nyctelea		waterpod	22	3 5
Rorippa sinuata		spreading yellow cress	الم المراجع الم	3
Site Name	Landform Element Name	Subelement	ERank	PARep
Kipp Area	Megablocks		3	5
Lethbridge Area	Aligned Coulees		3	5
Vegetation Community Element	Name			
Riparian cottonwoods				
247 Okotoks Erratic	Natural Subregion(s)			
tere - Augustation and and	Foothills Parkland			
Site Name	Landform Element Name	Subelement	ERank	PARep
Okotoks Area	Erratics		1	4
248 Cavendish	Natural Subregion(s)			
Cavenuisii	Dry Mixedgrass			
Scientific Element Name (Vascul	lar Plants)	Common Name	ERank	PARep
Chenopodium subglabrum		smooth narrow-leaved goosefoot	4	5
naar een maar kaar kaar kaar kaar kaar kaar kaar	eneren meneren anderen er eksenden det det en er en der der det det det en en er eksendere er en det derem His I det en en en eksendet det en	สมายแหม่ไหม่แบบแบบแหน่งหมาย คอมหายางแบบแบบ คนหมาย ความหาย เหมาะ การแกะ การการแบบแบบแบบแกะ แทรกระบาร แบบ การแสรร 		
ann ann an tha ann an t	<u>Natural Subregion(s)</u> Lower Foothills Upper Foothills			un data in addedictor on au
naar een maar kaar kaar kaar kaar kaar kaar kaar	Lower Foothills Upper Foothills	Common Name	ERank	
249 Thordason Creek Scientific Element Name (Vascul Carex loliacea	Lower Foothills Upper Foothills	Common Name rye-grass sedge	2	PARep 4
249 Thordason Creek	Lower Foothills Upper Foothills	Common Name		PARep
249 Thordason Creek Scientific Element Name (Vascut Carex loliacea Juncus filiformis Luzula acuminata	Lower Foothills Upper Foothills	Common Name rye-grass sedge thread rush	2	PARep 4
249 Thordason Creek Scientific Element Name (Vascut Carex loliacea Juncus filiformis Luzula acuminata	Lower Foothills Upper Foothills tar Ptants) <u>Natural Subregion(s)</u> Mixedgrass	Common Name rye-grass sedge thread rush	2	PARep 4
249 Thordason Creek Scientific Element Name (Vascul Carex Ioliacea Juncus filiformis Luzula acuminata 250 Pearce	Lower Foothills Upper Foothills tar Ptants) <u>Natural Subregion(s)</u> Mixedgrass	Common Name rye-grass sedge thread rush wood-rush	2 2 3	<i>PARep</i> 4 5
249 Thordason Creek Scientific Element Name (Vascul Carex Ioliacea Juncus filiformis Luzula acuminata 250 Pearce Scientific Element Name (Vascul	Lower Foothills Upper Foothills tar Ptants) <u>Natural Subregion(s)</u> Mixedgrass	Common Name rye-grass sedge thread rush wood-rush	2 2 3 <i>ERank</i>	PARep 4 4 5 PARep
249 Thordason Creek Scientific Element Name (Vascul Carex Ioliacea Juncus filiformis Luzula acuminata 250 Pearce Scientific Element Name (Vascul Sisyrinchium septentrionale	Lower Foothills Upper Foothills (ar Plants) <u>Natural Subregion(s)</u> Mixedgrass lar Plants) <u>Natural Subregion(s)</u> Lower Foothills Upper Foothills	Common Name rye-grass sedge thread rush wood-rush	2 2 3 <i>ERank</i>	PARep 4 4 5 PARep

Subelement

Northern Ribbed Fen

ERank

1

1

PARep

252 Wapiabi Cave	<u>Natural Subregion(s)</u> Sub-Alpine Upper Foothills				
Scientific Element Name (Vertebra	ite Animals)	Common Na	me	ERank	PARep
Myotis volans		long-legged		2	5
Site Name	Landform Element Name		Subelement	ERank	PARep
Nordegg Area	Karst Caves		Bedding	3	2
253 Moose Point	<u>Natural Subregion(s)</u> Athabasca Plain			inga ya nazar (24) ka wada ki kati w	
Site Name	Landform Element Name	11 - 1 ² - 1 - 1 ² - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 -	Subelement	ERank	PARep
Moose Point Area	Moraine		de Geer	3	4
254 <u>Mackay River Palsa</u>	<u>Natural Subregion(s)</u> Central Mixedwood				
Site Name	Landform Element Name		Subelement	ERank	PARep
Mackay River Area	Palsa Bogs	Annon 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1		5	5
255 <u>Ft. Chipewyan</u>	<u>Natural Subregion(s)</u> Kazan Uplands				
Site Name	Landform Element Name	*****	Subelement	ERank	PARep
Fort Chipewyan Area	Raised Beaches				3
256 Charles Lake Site Name	<u>Natural Subregion(s)</u> Kazan Uplands Landform Element Name		Subelement	ERank	PARep
Charles Lake	Tectonic Lake Basins	new watch of a second and a second bill be	Fault Lake	3	1 лкер 4
257 Crowsnest Volcanics	<u>Natural Subregion(s)</u> Montane Sub-Alpine		•		
Scientific Element Name (Vascula	ar Plants)	Common No	ame	ERank	PARep
Crepis atribarba Eriogonum ovalifolium var ovali Phacelia linearis	folium	hawk's-hea silver-plant linear-leave		2	2 3 4
<i>Site Name</i> Coleman Area	Landform Element Name Volcanic Rocks		Subelement	ERank 4	PARep 5
258 Ma Butte	<u>Natural Subregion(s)</u> Sub-Alpine				
Site Name	Landform Element Name	المراجع المراجع مراجع المراجع ال	Subelement	ERank	PARep
Ma Butte Area	Volcanic Rocks			4	5
259 Goosequill Lake	<u>Natural Subregion(s)</u> Central Parkland				
Scientific Element Name (Verteb	rate Animals)	Common N	ame	ERank	PARep
Charadrius melodus		Piping Plov		2	

59 Goosequill Lake	Natural Subregion(s)		
	Central Parkland		
260 Oldman River	Natural Subregion(s)		
	Foothills Fescue		
	Mixedgrass		
Scientific Element Name (Vertebrate	e Animals)	Common Nai	ne
Athene cunicularia		Burrowing O	wl
Scientific Element Name (Vascular I	Plants)	Common Nai	ne
Astragalus kentrophyta var kentroph	iyta		
Draba reptans		whitlow-gra	\$ S
Elhisia nyctelea		waterpod	
Nemophila breviflora Onosmodium molle		small baby-b western false	nue-eyes
Phacelia linearis		linear-leaved	scorpionweed
Populus angustifolia		narrow-leaf c	
Spartina pectinata		prairie cord g	
Site Name	Landform Element Name		Subelement
	Aligned Coulees		
Monarch Area	Reverse Faults		
Vegetation Community Element Nan	ne		
Riparian cottonwoods			
•			
Schizachyrium scoparium - Poa inte	rior	an a	
	rior • <u>Natural Subregion(s)</u>	******	
	<u>Natural Subregion(s)</u> Central Parkland	Common Nat	ne
261 Red Deer Lake	<u>Natural Subregion(s)</u> Central Parkland	Common Nat Piping Plove	
261 <u>Red Deer Lake</u> Scientific Element Name (Vertebrate Charadrius melodus	<u>Natural Subregion(s)</u> Central Parkland e Animals)		
261 Red Deer Lake Scientific Element Name (Vertebrate Charadrius melodus	<u>Natural Subregion(s)</u> Central Parkland e Animals) <u>Natural Subregion(s)</u>		
261 Red Deer Lake Scientific Element Name (Vertebrate Charadrius melodus 263 Keho Lake	<u>Natural Subregion(s)</u> Central Parkland e Animals) <u>Natural Subregion(s)</u> Mixedgrass		
261 Red Deer Lake Scientific Element Name (Vertebrate Charadrius melodus 263 Keho Lake Scientific Element Name (Vertebrate	<u>Natural Subregion(s)</u> Central Parkland e Animals) <u>Natural Subregion(s)</u> Mixedgrass	Piping Plove	r .
261 Red Deer Lake Scientific Element Name (Vertebrate Charadrius melodus 263 Keho Lake Scientific Element Name (Vertebrate Athene cunicularia	<u>Natural Subregion(s)</u> Central Parkland e Animals) <u>Natural Subregion(s)</u> Mixedgrass	Piping Plove Common Nat Burrowing C	r me wl
261 Red Deer Lake Scientific Element Name (Vertebrate Charadrius melodus 263 Keho Lake Scientific Element Name (Vertebrate	<u>Natural Subregion(s)</u> Central Parkland e Animals) <u>Natural Subregion(s)</u> Mixedgrass	Piping Plove	r me wl
261 Red Deer Lake Scientific Element Name (Vertebrate Charadrius melodus 263 Keho Lake Scientific Element Name (Vertebrate Athene cunicularia	<u>Natural Subregion(s)</u> Central Parkland e Animals) <u>Natural Subregion(s)</u> Mixedgrass e Animals)	Piping Plove Common Nat Burrowing C	r me bwl r
261 Red Deer Lake Scientific Element Name (Vertebrate Charadrius melodus 263 Keho Lake Scientific Element Name (Vertebrate Athene cunicularia Charadrius melodus	<u>Natural Subregion(s)</u> Central Parkland e Animals) <u>Natural Subregion(s)</u> Mixedgrass e Animals)	Piping Plove Common Nat Burrowing C Piping Plove	r me bwl r
261 Red Deer Lake Scientific Element Name (Vertebrate Charadrius melodus 263 Keho Lake Scientific Element Name (Vertebrate Athene cunicularia Charadrius melodus Scientific Element Name (Vascular	<u>Natural Subregion(s)</u> Central Parkland e Animals) <u>Natural Subregion(s)</u> Mixedgrass e Animals) Plants)	Piping Plove Common Nat Burrowing C Piping Plove Common Nat	r me bwl r
261 Red Deer Lake Scientific Element Name (Vertebrate Charadrius melodus 263 Keho Lake Scientific Element Name (Vertebrate Athene cunicularia Charadrius melodus Scientific Element Name (Vascular Downingia laeta 264 St. Mary River and Reservoir	<u>Natural Subregion(s)</u> Central Parkland e Animals) <u>Natural Subregion(s)</u> Mixedgrass e Animals) Plants) <u>Natural Subregion(s)</u> Foothills Fescue	Piping Plove Common Nat Burrowing C Piping Plove Common Nat	r me wi r me
261 Red Deer Lake Scientific Element Name (Vertebrate Charadrius melodus 263 Keho Lake Scientific Element Name (Vertebrate Athene cunicularia Charadrius melodus Scientific Element Name (Vascular Downingia laeta 264 St. Mary River and Reservoir Seientific Element Name (Vertebrate	<u>Natural Subregion(s)</u> Central Parkland e Animals) <u>Natural Subregion(s)</u> Mixedgrass e Animals) Plants) <u>Natural Subregion(s)</u> Foothills Fescue	Piping Plove Common Na. Burrowing C Piping Plove Common Na. downingia	r me wi r me
261 Red Deer Lake Scientific Element Name (Vertebrate Charadrius melodus 263 Keho Lake Scientific Element Name (Vertebrate Athene cunicularia Charadrius melodus Scientific Element Name (Vascular Downingia laeta 264 St. Mary River and Reservoir	<u>Natural Subregion(s)</u> Central Parkland e Animals) <u>Natural Subregion(s)</u> Mixedgrass e Animals) Plants) <u>Natural Subregion(s)</u> Foothills Fescue	Piping Plove Common Nat Burrowing C Piping Plove Common Nat downingia Common Nat Piping Plove	r me wi r me

Northern Fescue

Scientific Element Name (Vertebrate Animals)	Common Name	ERank	PARep
Charadrius melodus	Piping Plover	2	

ERank

3

ERank

ERank

3 1

ERank

2

ERank

3 2

ERank 3

ERank

2 3

PARep

PARep

4 4 4

PARep

5 2

PARep

PARep

PARep

4

PARep

266 Handhills Lake	<u>Natural Subregion(s)</u> Northern Fescue			
Scientific Element Name (Vertebrate	e Animals)	Common Name	<i>ERank</i>	P.
Charadrius melodus		Piping Plover	2	
267 Chain & Dowling Lakes	Natural Subregion(s) Northern Fescue			
Scientific Element Name (Vertebrat	e Animals)	Common Name	ERank	P
Charadrius melodus		Piping Plover	4	
Vegetation Community Element Nat Festuca hallii alliance	me			
268 Spiers Lake	<u>Natural Subregion(s)</u> Northern Fescue			
Scientific Element Name (Vertebrat	e Animals)	Common Name	ERank	P
Charadrius melodus		Piping Plover	2	
269 Miquelon Lake	<u>Natural Subregion(s)</u> Dry Mixedwood			
Scientific Element Name (Vertebrat	te Animals)	Common Name	ERank	P
Pelecanus erythrorhynchos	•	American White Pelican	4	
271 Muriel Lake	<u>Natural Subregion(s)</u> Dry Mixedwood			
Scientific Flement Name (Vertebra)	te Animals)	Common Name	F.Rank	P
Charadrius melodus		Piping Plover	2	
272 Birch Lake	<u>Natural Subregion(s)</u> Central Parkland			
Scientific Element Name (Vertebra	te Animals)	Common Name	ERank	Р
Charadrius melodus	2014 - 10 - 10 - 10 - 10 - 10 - 10 - 10 -	Piping Plover	4	
273 Junction Lake	<u>Natural Subregion(s)</u> Central Parkland			
Scientific Element Name (Vertebra	te Animals)	Common Name	ERank	P
Charadrius melodus		Piping Plover	2	
274 Greenlee Lake	<u>Natural Subregion(s)</u> Central Parkland			
Scientific Element Name (Vertebra	te Animals)	Common Name	ERank	P
Charadrius melodus		Piping Plover	2	· · · · · ·
Element Name (Other Vertebrates)				

.

74 Greenlee Lake	Natural Subregion(s)			
	Central Parkland			
75 Foster Lake	Natural Submarian(a)			
175 FUSICI Lake	<u>Natural Subregion(s)</u> Central Parkland			
Scientific Element Name (Vertebrate Anir	nals)	Common Nama	ERank	P.ARop
Charadrius melodus	Maria	Piping Plover	2	
76 Piper Lake	<u>Natural Subregion(s)</u> Central Parkland			
Scientific Element Name (Vertebrate Anir	nals)	Common Name	ERank	PARep
Charadrius melodus		Piping Plover		
277 Metiskow Lake	<u>Natural Subregion(s)</u> Central Parkland			
Scientific Element Name (Vertebrate Anii	nals)	Common Name	ERank	PARep
Charadrius melodus		Piping Plover	2	
Element Name (Other Vertebrates) shorebird staging area				
278 <u>Neutral Hills #1</u>	<u>Natural Subregion(s)</u> Northern Fescue			
Scientific Element Name (Vertebrate Ani	nals)	Common Name	ERank	PARep
Charadrius melodus		Piping Plover	2	
279 <u>Neutral Hills #4</u>	<u>Natural Subregion(s)</u> Northern Fescue			
Scientific Element Name (Vertebrate Anti	nals)	Common Name	ERank	PARep
Charadrius melodus		Piping Plover	2 	
281 Red Deer #2	<u>Natural Subregton(s)</u> Central Parkland			
Scientific Element Name (Vertebrate Ani	mals)	Common Name	ERank	PARep
Falco peregrinus		Peregrine Falcon	2	
<u>282 Red Deer #3</u>	<u>Natural Subregion(s)</u> Northern Fescue			
	mals)	Common Name	ERank	PARep
Scientific Element Name (Vertebrate Ani		Peregrine Falcon	. 2	
Scientific Element Name (Vertebrate Ani Falco peregrinus				
Falco peregrinus	<u>Natural Subregion(s)</u> Dry Mixedgrass			
Falco peregrinus	Dry Mixedgrass	Common Name	ERank	PARep
Falco peregrinus 284 Bow River (E of San Francisco) #5	Dry Mixedgrass	Common Name Peregrine Falcon northern leopard frog	ERank 2 2	PARep
Falco peregrinus 284 Bow River (E of San Francisco) #5 Scientific Element Name (Vertebrate Ani Falco peregrinus	Dry Mixedgrass mals)	Peregrine Falcon	2	PÁRep PARep

D Special Feature Polygon Name				
284 Bow River (E of San Francisco) #5	Natural Subregion(s)			
	Dry Mixedgrass			
Scientific Element Name (Vascular Plants	<i>י</i>	Common Name	ERank	PARep
Psilocarphus elatior		woollyheads	3	4
285 Redcliff West	Natural Subregion(s) Dry Mixedgrass			
Scientific Element Name (Vertebrate Anir	nals)	Common Name	ERank	PARep
Crotalus viridis		prairie rattiesnake	1	
Pituophis melanoleucus		bull snake	L + L 	
286 Eagle Butte	<u>Natural Subrogion(s)</u> Montane			
Scientific Element Name (Vertebrate Anii	nals)	Common Name	ERank	PARep
Rana pipiens		northern leopard frog	2	
287 <u>Sunnynook</u>	<u>Natural Subregion(s)</u> Dry Mixedgrass			D 4 D
Scientific Element Name (Vertebrate Anin Athene cunicularia	nais)	Common Name Burrowing Owl	ERank 3	PARep
				L
288 Dorothy	<u>Natural Subregion(s)</u> Dry Mixedgrass Mixedgrass			
Scientific Element Name (Vertebrate Ania	nals)	Common Name	ERank	PARep
Athene cunicularia		Burrowing Owl	3	
289 <u>Richdale</u>	<u>Natural Subregion(s)</u> Dry Mixedgrass			
Scientific Element Name (Vertebrate Ani	mals)	Common Name	ERank	PARep
Athene cunicularia		Burrowing Owl	3	
290 Berry Creek	<u>Natural Subregion(s)</u> Dry Mixedgrass			
Scientific Element Name (Vertebrate Ani	mals)	Common Name	ERank	PARep
Athene cunicularia		Burrowing Owl	3	-
<u>291 Ft. McMurray</u>	<u>Natural Subregion(s)</u> Central Mixedwood			
Scientific Element Name (Vertebrate Ani	mals)	Common Name	ERank	PARep
Bufo hemiophrys		Canadian toad	2	-
292 Suffield South	<u>Natural Subregion(s)</u> Dry Mixedgrass			-
Scientific Element Name (Vertebrate Ani	mals)	Common Name	ERank	PARep
Bufo cognatus	,	Great Plains Toad	2	5
			a stree are considered and a subsection of a subse	Ş

Scientific Element Name (Vertebruie Intimuis)	Common Hume	Linum	Thicp
Bufo cognatus	Great Plains Toad	2	5
Crotalus viridis	prairie rattlesnake	1	
Pituophis melanoleucus	bull snake	1	
Rana pipiens	northern leopard frog	2	Million .
			5 pr., p

292 Suffield South

<u>Natural Subregion(s)</u> Dry Mixedgrass

Scientific Element Name (Vascular Plants)		Common	Name	ERank	PARep
Abronia micrantha		sand ver	bena	2	5
Acer negundo		Manitob	a maple	2	4.
Astragalus lotiflorus Bidens frondosa		low milk		2	5
			beggarticks	3	5
Cryptantha minima			ptanthe	3	5
Eriogonum cernuum		nodding	umbrella-plant	2	2
Franseria acanthicarpa		bur ragw		2	4
Lycopus americanus	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		n water-horehound	2	5
Munroa squarrosa			talo grass	3	5
Oryzopsis micrantha Osmorhiza longistylis			d rice grass	2	5
			weet cicely	2	5
Parietaria pensylvanica		America	American pellitory clammyweed		4
Polanisia dodecandra					5
Potentilla paradoxa		bushy ci			4
Psoralea argonhylla			f psoralea	2	4
Schizachyrium scoparium var	scoparium	little blu		4	5
Veronica catenata		water sp	eedwell	3	4
Site Name	Landform Element	Name	Subelement	ERank	PARep
Medicine Hat Area	Neck Cutoffs			1	5

293 Prince's Springs Natural Subregion(s) Dry Mixedgrass Dry Mixedgrass

Scientific Element Name (Ve	rtebrate Animals)	Common Name		ERank	PARep
Rana pipiens		northern leopard frog		2	
Site Name	Landform Element Name	Subelement		ERank	PARep
Bindloss Area	Salt Depositing Springs			1	3

294 Bow Island

<u>Natural Subregion(s)</u> Dry Mixedgrass

Scientific Element Name (Vertebrate Animals)	Common Name	ERank	PARep
Phrynosoma douglasii var brevirostre	short-horned lizard	2	4

296 Margaret Lake

Natural Subregion(s)

Sub-Arctic

Catharus minimus Gray-chee Gavia stellata Red-throat Larus canus Mcw Gull		Common Name		ERank	PARep
		ked Thrush	3	5	
		Red-throated Loon		3	5
				3	5
		American	merican Tree Sparrow		5
					מומ
Site Name	Landform Element Name	×	Subelement	ERank	PARep
Caribou Mountains	Veneer Bogs			1	5
297 Lousana Canyon	<u>Natural Subregion(s)</u> Central Parkland				
Site Name	Landform Element Name	a an a da da a da an an ar an titur e an an e an t	Subelement	ERank	PARep
1	Gargac/Canyons			1	1

Lousana Area	Gorges/Canyons	
		annan an ann an Annan ann ann ann ann an
298 Kleskun H	Is <u>Natural Subregion(s)</u>	

Peace River Parkland

Scientific Element Name (Vascular Plants)	Common Name	ERank	PARep
Botrychium multifidum var intermedium	leather grape fern	4	4
Danthonia californica	California oat grass	1	3
Sisyrinchium septentrionale	pale blue-eyed grass	4	4

4

298 Kleskun Hills	Natural Subregion(s)				
	Peace River Parkland				
Site Name	Landform Element Name		Subelement	ERank	PARe
Kleskun Hill Area	Erosional Remnants			1	4
Vegetation Community Element N Peace River Parkland remnant gra	enter a construction de la constru				
99 Hand Hills	Natural Subregion(s) Northern Fescue				
Scientific Element Name (Vertebi	rate Animals)	Common Na	me	ERank	PARe
Rana pipiens		northern leo	pard frog	2	-
Scientific Element Name (Vascul	ar Plants)	Common Na	me	ERank	PARep
Danthonia californica		California o	at grass	l	3
Site Name	Landform Element Name		Subelement	ERank	PARep
Drumheller Area	Erosional Remnants			· 1	4
Vegetation Community Element 1 Festuca hallii alliance	Name				
100 Porcupine Hills	<u>Natural Subregion(s)</u> Foothills Fescue Montane				
Scientific Element Name (Vertebrate Animals)		Common Na		ERank	PARej
Rana pipiens		northern leo	pard frog	2	
Scientific Element Name (Non-vo	ascular Plants)	Common No	ime	ERank	PARep
Dicranum tauricum	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	broken-leaf moss		4 .	5
Scientific Element Name (Vascul	ar Plants)	Common No	ime	ERank	PARep
Aster eatonii Poa leptocoma	er benehe benehet det det det betregen van de sen en de sen de -	Eaton's aster bog bluegrass		22	22
Site Name	Landform Element Name		Subelement		ð
Porcupine Hills	Erosional Remnants		Subelement	ERank 1	PARep 4
Vegetation Community Element		en verderanden oferen (h. 1996 A. 1996 A. 1996 A. 1996)			
Pinus flexilis alliance			and a fact of the annual sector of the state of the	1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 -	
301 Newman volcanics	Natural Subregion(s)	en om men en alter andere der der der der der der der der der	f da de de la de la dela ciuda de comencia de referir en enclaremente na compresenta en en antica en comencia		
	Alpine				
	Sub-Alpine				
Scientific Element Name (Vascu	lar Plants)	Common No	11110	ERank	PARep
Lithophragma glabrum .		rockstar		3	2
Site Name	Landform Element Name		Subelement	ERank	PARej
Newman Peak Area	. Volcanic Rocks			4	5
302 Barrow Lake	<u>Natural Subregion(s)</u> Kazan Uplands				•
Scientific Element Name (Verteb	brate Animals)	Common No	ime	ERank	PARep
Coregonus zenithicus		shortjaw cis		· 5	5
Falco peregrinus		Peregrine F	alcon	2	

303 Steen River	<u>Natural Subregion(s)</u> Wetland Mixedwood				۱.
Scientific Element Name (Vasc	ular Plants)	Common Name		ERank	PAR
Potentilla multifida		branched cinquefo	bil	3	4
304 Negus Meadow	Natural Subregion(s)				
	Wetland Mixedwood				
Scientific Element Name (Vase	ular Planis)	Common Name		ERank	PAF
Scirpus rufus	аланын наланын таланын таларын таларын таларын таларын таларын талары талары таларын таларын таларын таларын т У	Red Bulrush		3	5
305 <u>Sand Point</u>	<u>Natural Subregion(s)</u> Athabasca Plain				
Scientific Element Name (Vasc	ular Plants)	Common Name		ERank	PAI
Artemisia borealis		northern wormwo	od	2	2
Barbarea orthoceras		American winter	cress	2	3
Botrychium multifidum var int	ermedium	leather grape fern	1	4	4
Isoetes echinospora		northern quillwor		3	5
Site Name	Landform Element Name	e Sul	belement	ERank	PAR
Fort Chipewyan Area	Spits	1		3	1
Scientific Element Name (Non-	Central Mixedwood	Common Name		ERank	PAI
Seligeria calcarea	-vascular Plants)	Common Name chalk brittle moss	3	ERank 4	
Seligeria calcarea			\$		
Seligeria calcarea	-vascular Plants) <u>Natural Subregion(s)</u> Central Mixedwood				4
Seligeria calcarea <u>308</u> <u>Tar Island</u>	-vascular Plants) <u>Natural Subregion(s)</u> Central Mixedwood	chalk brittle moss	5	4	4 PAR
Seligeria calcarea 308 Tar Island Scientific Element Name (Vasco	-vascular Plants) <u>Natural Subregion(s)</u> Central Mixedwood	chalk brittle moss		4 ERank	4 PAR
Seligeria calcarea <u>308 Tar Island</u> <i>Scientific Element Name (Vasc</i> Polygala paucitolia <u>309 Beaver River</u>	-vascular Plants) <u>Natural Subregion(s)</u> Central Mixedwood cular Plants) <u>Natural Subregion(s)</u> Central Mixedwood	chalk brittle moss	5	4 ERank	PAR 4 PAR 5
Seligeria calcarea 308 Tar Island <i>Scientific Element Name (Vasc</i> Polygata paucitolia	-vascular Plants) <u>Natural Subregion(s)</u> Central Mixedwood cular Plants) <u>Natural Subregion(s)</u> Central Mixedwood	chalk brittle moss Common Name fringed milkwort	· · · · · · · · · · · · · · · · · · ·	4 ERank 3	4 <i>PAR</i> 5
Seligeria calcarea <u>308 Tar Island</u> Scientific Element Name (Vasc Polygala paucitolia <u>309 Beaver River</u> Scientific Element Name (Vasc	-vascular Plants) <u>Natural Subregion(s)</u> Central Mixedwood cular Plants) <u>Natural Subregion(s)</u> Central Mixedwood	Chalk brittle moss	· · · · · · · · · · · · · · · · · · ·	4 ERank 3 ERank	4 <i>PA</i> F 5
Seligeria calcarea 308 Tar Island Scientific Element Name (Vasc Polygala paucitolia 309 Beaver River Scientific Element Name (Vasc Luzula rufescens	-vascular Plants) <u>Natural Subregion(s)</u> Central Mixedwood cular Plants) <u>Natural Subregion(s)</u> Central Mixedwood cular Plants) <u>Natural Subregion(s)</u> Lower Foothills	Chalk brittle moss	· · · · · · · · · · · · · · · · · · ·	4 ERank 3 ERank	4 <i>PAH</i> 5 <i>PAI</i>
Seligeria calcarea <u>308 Tar Island</u> Scientific Element Name (Vasc Polygala paucitolia <u>309 Beaver River</u> Scientific Element Name (Vasc Luzula rufescens <u>310 Gravina Creek</u>	-vascular Plants) <u>Natural Subregion(s)</u> Central Mixedwood cular Plants) <u>Natural Subregion(s)</u> Central Mixedwood cular Plants) <u>Natural Subregion(s)</u> Lower Foothills	Chalk brittle moss	h	4 ERank 3 ERank 3	4 <i>PA</i> F 5 <i>PA</i> F
Seligeria calcarea 308 Tar Island Scientific Element Name (Vasc Polygata paucitolia 309 Beaver River Scientific Element Name (Vasc Luzula rufescens 310 Gravina Creek Scientific Element Name (Vasc	-vascular Plants) <u>Natural Subregion(s)</u> Central Mixedwood cular Plants) <u>Natural Subregion(s)</u> Central Mixedwood cular Plants) <u>Natural Subregion(s)</u> Lower Foothills	Common Name fringed milkwort Common Name reddish wood-rus	h	4 ERank 3 ERank 3	4 PA1 5 PA1
Seligeria calcarea 308 Tar Island Scientific Element Name (Vasc Polygata paucitolia 309 Beaver River Scientific Element Name (Vasc Luzula rufescens 310 Gravina Creek Scientific Element Name (Vasc Astragalus bodinii 311 Notikewin	-vascular Plants) Natural Subregion(s) Central Mixedwood cular Plants) Natural Subregion(s) Central Mixedwood cular Plants) Natural Subregion(s) cular Plants) Lower Foothills cular Plants) Natural Subregion(s) Lower Foothills cular Plants) Dry Mixedwood	Common Name fringed milkwort Common Name reddish wood-rus	h	4 ERank 3 ERank 3	4 <i>PAR</i> 5 <i>PAR</i> 5
Seligeria calcarea 308 Tar Island Scientific Element Name (Vasc Polygala paucitolia 309 Beaver River Scientific Element Name (Vasc Luzula rufescens 310 Gravina Creek Scientific Element Name (Vasc Astragalus bodinii	-vascular Plants) Natural Subregion(s) Central Mixedwood cular Plants) Natural Subregion(s) Central Mixedwood cular Plants) Natural Subregion(s) cular Plants) Lower Foothills cular Plants) Natural Subregion(s) Lower Foothills cular Plants) Dry Mixedwood	chalk brittle moss Common Name Iringed milkwort Common Name reddish wood-rus Common Name Bodin's milk vetc	h	4 ERank 3 ERank 3 ERank 4	4 <i>PAI</i> 5 <i>PAI</i> <i>PAI</i>

Warnstorfia pseudostraminea

ib opecial i calare i olygon mane				
312 Chinchaga River	Natural Subregion(s)			
	Lower Foothills			
S. i i G. Flannet Name (Varada	Planta	Common Name	ERank	PARep
Scientific Element Name (Vascular Astragalus bodinii	r iunis)	Bodin's milk vetch	4	5
			26260-02431-0240-0240-0240-0240-0240-0240-0240-024	
313 Hotchkiss Airfield	Natural Subregion(s)			
	Lower Foothills			
	Upper Foothills			
Scientific Element Name (Vascular	Plants)	Common Name	ERank	PARep
Juncus filiformis		thread rush	23	4
Luzula acuminata		wood-rush	3	5
314 Halverson River	Natural Subregion(s)			
	Lower Foothills			
	Upper Foothills			
	n an ann an an ann an ann an an ann an a			
Scientific Element Name (Vascular	· Plants)	Common Name	ERank	PARep
Juncus filiformis Luzula acuminata	enne en la cale de la c L	thread rush wood-rush	23	4
			99.99.49.999.999.999.999.999.999.999.99	de a
315 Hamlin Creek	Natural Subregion(s)			
	Dry Mixedwood			
Scientific Element Name (Vascular	· Plants)	Common Name	ERank	PARep
Puccinellia distans ssp hauptiana		·	4	5
316 Dunvegan	Natural Subregion(s)			,
<u>510</u> Duivegan	Dry Mixedwood	• • • • • • • • • • • • • • • • • • •		
1 A.	Dig innea lood			
Scientific Element Name (Vascular	r Plants)	Common Name	ERank	PARep
Artemisia tilesii		Herriot's sagewort	23	4
Atriplex truncata		saltbush	3	5
Vegetation Community Element No	ame			
Peace River Parkland remnant gras	sslands			
317 Peace River Parkland	Natural Subregion(s)			
	Dry Mixedwood			
	Peace River Parkland			
Scientific Element Name (Vasculat	r Plants)	Common Name	ERank	PARep
Artemisia tilesii Asclepias ovalifolia		Herriot's sagewort low milkweed	2	4
Vegetation Community Element N	ame			
Peace River Parkland remnant gra				,
318 Ft. McMurray West	Natural Subregion(s)		nan han mana an	antana antanan, arawa yipantawk
516 FL MUMULTAY WEST	Central Mixedwood			
				ç
Scientific Element Name (Non-vas	scular Plants)	Common Name	ERank	PARep
Warnstorfia pseudostraminea		brown moss	5	5

319 Clearwater River Spring	<u>Natural Subregion(s)</u> Central Mixedwood			i.	
Scientific Element Name (Vascular F	Plants)	Common Na	me	ERank	PARep
Plantago maritima		sea-side plai	itain	. 3	5
Scirpus rufus		Red Bulrush		3	5
320 <u>Marie Lake</u>	<u>Natural Subregion(s)</u> Central Mixedwood				
Scientific Element Name (Vertebrate	Animals)	Common Na	ime	ERank	PARep
Percina caprodes		logperch		3	5
321 Cold Lake	<u>Natural Subregion(s)</u> Central Mixedwood				
Scientific Element Name (Vertebrate	Animals)	Common No	ime	ERank	PARep
Percina caprodes		logperch		3	5
				6	
Site Name Cold Lake	Landform Element Name Ice Scour Lakes		Subelement	ERank 1	PARep 4
	ice scoul Lakes			1	4
322 Sand River	<u>Natural Subregion(s)</u> Central Mixedwood Dry Mixedwood				
Scientific Element Name (Vascular I	Plants)	Common No	11116 	ERank	PARep
Polygala paucifolia		fringed milk	wort	3	5
323 Goodwin Lake	<u>Natural Subregion(s)</u> Cenual Mixedwood		7		tuu is non a ma fai thu tha ne
Scientific Element Name (Vascular 1	Plants)	· Common No		ERank	PARep
Carex adusta Juncus brevicaudatus		browned see short-tail ru		. 2	3 4
324 Sakwatanau River	<u>Natural Subregion(s)</u> Lower Poothills Upper Foothills				
Scientific Element Name (Vascular)	Plants)	Common No	1)112	ERank	P.4Rop
Luzula rufescens		reddish woo	od-rush	3	5
<u>325</u> <u>Lower Sakwatanau River</u>	<u>Natural Subregion(s)</u> Central Mixedwood Lower Foothills				
Scientific Element Name (Vascular I	Plants)	Common No	IME	ERank	PARep
Carex arcta Lactuca biennis		narrow sedg	(e	32	4 5
		tall blue lettuce			
326 Whitecourt	<u>Natural Subregion(s)</u> Central Mixedwood	*			
ha anna ann an ann ann ann ann ann an an	Central Mixedwood	Common No	111112	ERank	PARep

Natural Subregion(s)			
Lower Foothills			
Upper Foothills			
Plants)	Common Name	ERank	PARep
	slender hair grass	3	4
<u>Natural Subregion(s)</u> Lower Foothills			
lar Plants)	Common Name	FRank	PARep
	luminous moss	4	5
<u>Natural Subregion(s)</u> Central Mixedwood Lower Foothills			
Plants)	Common Name	ERank	PARep
	rose mandarin	3	5
<u>Natural Subregion(s)</u> Lower Foothills Upper Foothills			
Plants)	Common Name	ERank	PARep
•	rose mandarin	3	5
<u>Natural Subregion(s)</u> Lower Foothills Upper Foothills			
Plants)	Common Name	ERank	PARep
an na ann an 1997 anns an 1997 anns an 1997 an tarrach an tarrach 1997. Bha an tar tha anns an stadan anns an t	Lapland reed grass	3	4
<u>Natural Subregion(s)</u> Dry Mixedwood Peace River Parkland			
ne itanista	· · ·		
Dry Mixedwood			
me			
Natural Subregion(s)			
Dry Mixedwood			
	Lower Foothills Upper Foothills Vants) Natural Subregion(s) Lower Foothills Var Plants) Natural Subregion(s) Central Mixedwood Lower Foothills Upper Foothills Upper Foothills Upper Foothills Upper Foothills Upper Foothills Upper Foothills Plants) Natural Subregion(s) Lower Foothills Upper Foothills Upper Foothills Plants) Natural Subregion(s) Dry Mixedwood Peace River Parkland me Natural Subregion(s) Dry Mixedwood	Lower Foothills Common Name Vlants) Slender hair grass Natural Subregion(s) Common Name Lower Foothills Common Name lar Plants) Common Name rose mandarin Natural Subregion(s) Lower Foothills Common Name Plants) Common Name rose mandarin Natural Subregion(s) Lower Foothills Common Name Plants) Common Name rose mandarin rose mandarin Plants) Common Name rose mandarin rose mandarin Plants) Common Name rose mandarin Common Name rose mandarin Lapland reed grass Natural Subregion(s) Common Name Dry Mixedwood Reace River Parkland net Lapland reed grass Natural Subregion(s) Dry Mixedwood Dry Mixedwood Poece River Parkland Natural Subregion(s) <td>Lower Foothills Common Name ERank 'lants) Common Name ERank Natural Subregion(s) Lower Foothills ERank lar Plants) Common Name ERank ''Central Mixedwood Lower Foothills ERank ''Central Subregion(s) Common Name ERank ''Central Subregion(s) Common Name ERank ''Lower Foothills Common Name ERank Plants) Common Name ERank ''Lower Foothills Luper Foothills 3 Plants) Common Name ERank Plants) Common Name ERank ILower Foothills Lapland reed grass 3 Natural Subregion(s) Lapland reed grass 3 Natural Subregion(s) S 3 Iands Iapland reed grass 3 ''Lower Portilla Japland reed grass 3 ''Lower Portilla Japland reed grass 3 ''Lower Portilla</td>	Lower Foothills Common Name ERank 'lants) Common Name ERank Natural Subregion(s) Lower Foothills ERank lar Plants) Common Name ERank ''Central Mixedwood Lower Foothills ERank ''Central Subregion(s) Common Name ERank ''Central Subregion(s) Common Name ERank ''Lower Foothills Common Name ERank Plants) Common Name ERank ''Lower Foothills Luper Foothills 3 Plants) Common Name ERank Plants) Common Name ERank ILower Foothills Lapland reed grass 3 Natural Subregion(s) Lapland reed grass 3 Natural Subregion(s) S 3 Iands Iapland reed grass 3 ''Lower Portilla Japland reed grass 3 ''Lower Portilla Japland reed grass 3 ''Lower Portilla

Amblyodon dealbatus Implyodon johansenii Schistidium tenerum th 337 Brule Lake Natural Subregion(s) Lower Foothills Lower Foothills Montane Upper Foothills Scientific Element Name (Vertebrate Animals) C Prosopium coulteri p Scientific Element Name (Non-vascular Plants) C Entodon concinnus Tayloria hornschuchii s Scientific Element Name (Vascular Plants) C Pellaea glabella ss Woodsia glabella ss Site Name Landform Element Name Brule Lake Dunes 338 Chip Lake Natural Subregion(s) Jase Chip Lake Natural Subregion(s) C Jase Thip C Element Name (Vascular Plants) C C Jase Thip Lake Dunes S Jase Thip Lake Natural Subregion(s) C Jase Horne Natural Subregion(s) C Jase Horne Natural Subregion(s) C Jase Horne Natural Subregion(s) C Scientific Element Name (Non-vascular Plants)	mmon Name ead bloom moss mmon Name gny whitefish	ERank 3 4 4	<i>PARep</i> 4 4 4
336 Mumm Creek Natural Subregion(s) Alpine Sub-Alpine Upper Foothills Scientific Element Name (Non-vascular Plants) C Amblvodon dealbatus Didymodon johansenii C Schistidium tenerum th 337 Brule Lake Natural Subregion(s) Lower Foothills Lower Foothills Montane Upper Foothills Scientific Element Name (Vertebrate Animals) C Prosopium coulteri p Scientific Element Name (Vertebrate Animals) C Prosopium coulteri p Scientific Element Name (Von-vascular Plants) C Pellaea glabella s Scientific Element Name (Vascular Plants) C Pellaea glabella s Woodsia glabella s Site Name Landform Element Name Brule Lake Dunes 338 Chip Lake Scientific Element Name (Vascular Plants) C Lawer Foothills S Scientific Element Name (Vascular Plants) C Luzula acuminata S Scientific Element Name (Vascu	ead bloom moss mmon Name	34	4
Amblyodon dealbatus Idymodon johansenii Idymodon johansenii Schistidium tenerum Idymodon johansenii Idymodon johansenii 337 Brule Lake Natural Subregion(s) Lower Foothills Idymodon johansenii 337 Brule Lake Natural Subregion(s) Lower Foothills Idymodon johansenii 337 Brule Lake Natural Subregion(s) Idymodon johansenii Scientific Element Name (Vertebrate Animals) C Idymodon johansenii Idymodon johansenii Scientific Element Name (Non-vascular Plants) C Idymodon johansenii Idymodon johansenii Scientific Element Name (Vascular Plants) C Idymodon johansenii Idymodon johansenii Idymodon johansenii Idymodon johansenii Scientific Element Name (Vascular Plants) C Idymodon johansenii Idymodon johansenii	ead bloom moss mmon Name	34	4 4 4
Didymodon johansenii th Schistidium tenerum th 337 Brule Lake Natural Subregion(s) Lower Foothills Montane Upper Foothills Montane Scientific Element Name (Vertebrate Animals) C Prosopium coulteri p Scientific Element Name (Non-vascular Plants) C Entodon concinnus rayloria hornschuchii s Scientific Element Name (Vascular Plants) C Pellaea glabella ss Woodsia glabella ss Site Name Landform Element Name Brule Lake Dunes 338 Chip Lake Natural Subregion(s) Jory Mixedwood Lower Foothills Scientific Element Name (Vascular Plants) C Luzula acuminata v 339 Horne Natural Subregion(s) Dry Mixedwood Dry Mixedwood s Scientific Element Name (Non-vascular Plants) C Scientific Element Name (Non-vascular Plants) C Steentific Element Name (Non-vascular Plants) C Steintific Element Name (Non-vascular Plants)	mmon Name	4	4
Lower Foothills Montane Upper Foothills Montane Scientific Element Name (Vertebrate Animals) C Prosopium coulteri p Scientific Element Name (Non-vascular Plants) C Entodon concinnus rayloria hornschuchii S Tayloria hornschuchii s Scientific Element Name (Vascular Plants) C Pellaea glabella S Woodsia glabella s Site Name Landform Element Name Brule Lake Dunes 338 Chip Lake Jabella s Scientific Element Name (Vascular Plants) C Landform Element Name pry Mixedwood Lower Foothills S Scientific Element Name (Vascular Plants) C Luzula acuminata v 339 Horne Natural Subregion(s) Dry Mixedwood S Scientific Element Name (Non-vascular Plants) C Luzula acuminata v 339 Horne Natural Subregion(s) Sthagnum balticum pr 340 Thunder Lake<			
Prosopium coulteri p. Scientific Element Name (Non-vascular Plants) C Entodon concinnus s Tayloria hornschuchii s Scientific Element Name (Vascular Plants) C Pellaea glabella sr Woodsia glabella sr Site Name Landform Element Name Brule Lake Dunes 338 Chip Lake Scientific Element Name (Vascular Plants) C Dry Mixedwood Lower Foothills Scientific Element Name (Vascular Plants) C Luzula acuminata v 339 Horne Natural Subregion(s) Dry Mixedwood Scientific Element Name (Non-vascular Plants) C Scientific Element Name (Non-vascular Plants) C 339 Horne Natural Subregion(s) Dry Mixedwood Scientific Element Name (Non-vascular Plants) C Scientific Element Name (Non-vascular Plants) C Sqhagnum balticum p 340 Thunder Lake			
Scientific Element Name (Non-vascular Plants) C Entodon concinnus s Tayloria hornschuchii s Scientific Element Name (Vascular Plants) C Pellaea glabella ss Woodsia glabella ss Site Name Landform Element Name Brule Lake Dunes 338 Chip Lakx Natural Subregion(s) Dry Mixedwood Lower Foothills Scientific Element Name (Vascular Plants) C Scientific Element Name (Non-vascular Plants) C 339 Horne Natural Subregion(s) Dry Mixedwood C Scientific Element Name (Non-vascular Plants) C C 340 Thunder Lake Natural Subregion(s) G	gmy whitefish	ERank	PARep
Entodon concinnus s Tayloria hornschuchii s Scientific Element Name (Vascular Plants) C Pellaea glabella ss Woodsia glabella ss Site Name Landform Element Name Brule Lake Dunes 338 Chip Lake Natural Subregton(s) Dry Mixedwood Lower Foothills Scientific Element Name (Vascular Plants) C Luzula acuminata v 339 Horne Natural Subregion(s) Dry Mixedwood Scientific Element Name (Non-vascular Plants) C Stotentific Element Name (Non-vascular Plants) C Sphagnum balticum r 340 Thunder Lake Natural Subregion(s)		3	4
Tayloria hornschuchii s Scientific Element Name (Vascular Plants) C Pellaea glabella si Woodsia glabella si Site Name Landform Element Name Brule Lake Dunes 338 Chip Lakx Natural Subregion(s) Dry Mixedwood Lower Foothills Scientific Element Name (Vascular Plants) C Luzula acuminata v 339 Horne Natural Subregion(s) Dry Mixedwood Scientific Element Name (Non-vascular Plants) C Scientific Element Name (Non-vascular Plants) C Scientific Element Name (Non-vascular Plants) C 340 Thunder Lake Natural Subregion(s)	Common Name		PARep
Pellaea glabella ss Woodsia glabella ss Site Name Landform Element Name Brule Lake Dunes 338 Chip Lake Natural Subregion(s) Dry Mixedwood Lower Foothills Scientific Element Name (Vascular Plants) C Luzula acuminata N 339 Horne Natural Subregion(s) Dry Mixedwood Scientific Element Name (Non-vascular Plants) C Sphagnum balticum g 340 Thunder Lake Natural Subregion(s)	all-kettle moss	3	5 4
Woodsia glabella st Site Name Landform Element Name Brule Lake Dunes 338 Chip Lake Natural Subregion(s) Dry Mixedwood Lower Foothills Scientific Element Name (Vascular Plants) C Luzula acuminata v 339 Horne Natural Subregion(s) Dry Mixedwood Scientific Element Name (Non-vascular Plants) C Scientific Element Name (Non-vascular Plants) C 340 Thunder Lake Natural Subregion(s)	mmon Name	ERank	PARep
Brule Lake Dunes 338 Chip Lake Natural Subregion(s) Dry Mixedwood Lower Foothills Dry Mixedwood Lower Foothills Scientific Element Name (Vascular Plants) C 1239 Horne Natural Subregion(s) Dry Mixedwood 339 Horne Natural Subregion(s) Dry Mixedwood Scientific Element Name (Non-vascular Plants) C Sphagnum balticum I 340 Thunder Lake Natural Subregion(s)	ooth cliff brake ooth woodsia		3 4
338 Chip Lake Natural Subregion(s) Dry Mixedwood Dry Mixedwood Lower Foothills C Scientific Element Name (Vascular Plants) C Luzula acuminata V 339 Horne Natural Subregion(s) Scientific Element Name (Non-vascular Plants) C Scientific Element Name (Non-vascular Plants) C Sphagnum balticum I 340 Thunder Lake Natural Subregion(s)	Subelement	ERank	PARep
Dry Mixedwood Lower Foothills C Scientific Element Name (Vascular Plants) C Luzula acuminata v 339 Horne Natural Subregion(s) Dry Mixedwood Scientific Element Name (Non-vascular Plants) C Sphagnum balticum G 340 Thunder Lake Natural Subregion(s)	Parabolic	1	4
Luzula acuminata Natural Subregion(s) 339 Horne Natural Subregion(s) Dry Mixedwood C Scientific Element Name (Non-vascular Plants) C Sphagnum balticum I 340 Thunder Lake Natural Subregion(s)			
339 Horne Natural Subregion(s) Dry Mixedwood Dry Mixedwood Scientific Element Name (Non-vascular Plants) C Sphagnum balticum g 340 Thunder Lake Natural Subregion(s)	mmon Name	ERank	PARep
Dry Mixedwood C Scientific Element Name (Non-vascular Plants) C Sphagnum balticum g 340 Thunder Lake Natural Subregion(s)	ood-rush	3	5
Sphagnum balticum 1 340 Thunder Lake Natural Subregion(s)			
340 Thunder Lake <u>Natural Subregion(s)</u>	mmon Name	ERank	PARep
	peat moss		5
Dig mixed out			
Scientific Element Name (Non-vascular Plants)		ERank	PARep
Leskeella nervosa	mmon Name	2	4
Scientific Element Name (Vascular Plants)	mmon Name	ERank	PARep

<u>341</u> Barrhead <u>Natural Subregion(s)</u> Dry Mixedwood

Scientific Element Name (Non-v	ascular Plants)	Common Name	ERank	PARep
Rhodobryum ontariense			. 3	4
Scientific Element Name (Vascu	lar Plants)	Common Name	ERank	PARej
Carex hookerana		Hooker's sedge	3	3
342 <u>Manola</u>	<u>Natural Subregion(s)</u> Dry Mixedwood			
Scientific Element Name (Vascu	lar Plants)	Common Name	ERank	PARep
Sciepus Auviatilis		river bultush	3	5
343 <u>Lisburne</u>	<u>Natural Subregion(s)</u> Dry Mixedwood			
Scientific Element Name (Vascu	lar Plants)	Common Name	ERank	PARep
Scirpus clintonii		Clinton's bulrush	4 ·	5
<u>344 Gunn</u>	<u>Natural Subregion(s)</u> Dry Mixedwood			
Scientific Element Name (Vascu		Common Name	ERank	PARep
Scientific Diemein Hume (Fusen	ilar Plants)	Common nume	LINUIK	і лкер
Scirpus fluviatilis 345 Noyes Crossing	Natural Subregion(s)	river bulrush	3	5
Scirpus fluviatilis 345 Noyes Crossing Scientific Element Name (Non-v	<u>Natural Subregion(s)</u> Dry Mixedwood			5 PARep
Scirpus fluviatilis 345 Noyes Crossing Scientific Element Name (Non-v Physcomitrium pyriforme	<u>Natural Subregion(s)</u> Dry Mixedwood vascular Plants)	river bulrush Common Name urn moss	3 ERank 3	5 PARep 5
Scirpus fluviatilis 345 Noyes Crossing Scientific Element Name (Non-w	<u>Natural Subregion(s)</u> Dry Mixedwood vascular Plants)	river bulrush Common Name	3 ERank	5 PARep 5
Scirpus fluviatilis 345 Noyes Crossing Scientific Element Name (Non-v Physcomitrium pyriforme Scientific Element Name (Vascu Oryzopsis canadensis	<u>Natural Subregion(s)</u> Dry Mixedwood vascular Plants)	river bulrush Common Name urn moss Common Name	3 ERank 3 ERank	5 PARep 5 PARep
Scirpus fluviatilis 345 Noyes Crossing Scientific Element Name (Non-v Physcomitrium pyriforme Scientific Element Name (Vascu Oryzopsis canadensis	<u>Natural Subregion(s)</u> Dry Mixedwood vascular Plants) ular Plants) <u>Natural Subregion(s)</u> Dry Mixedwood	river bulrush Common Name urn moss Common Name	3 ERank 3 ERank	5 PARep 5 PARep 5
Scirpus fluviatilis 345 Noyes Crossing Scientific Element Name (Non-v Physcomitrium pyriforme Scientific Element Name (Vascu Oryzopsis canadensis 346 Moonlight Bay	<u>Natural Subregion(s)</u> Dry Mixedwood vascular Plants) ular Plants) <u>Natural Subregion(s)</u> Dry Mixedwood	river bulrush Common Name urn moss Common Name Canadian rice grass	3 ERank 3 ERank 3	5 PARep 5 PARep 5
Scirpus fluviatilis 345 Noyes Crossing Scientific Element Name (Non-v Physcomitrium pyriforme Scientific Element Name (Vascu Oryzopsis canadensis 346 Moonlight Bay Scientific Element Name (Verte Falco peregrinus	<u>Natural Subregion(s)</u> Dry Mixedwood vascular Plants) ular Plants) <u>Natural Subregion(s)</u> Dry Mixedwood brate Animals)	river bulrush Common Name urn moss Common Name Canadian rice grass Common Name	3 ERank 3 ERank 3 ERank 2	5 PARep 5 PARep 5 PARep
Scirpus fluviatilis 345 Noyes Crossing Scientific Element Name (Non-v Physcomitrium pyriforme Scientific Element Name (Vascu Oryzopsis canadensis 346 Moonlight Bay Scientific Element Name (Verte	<u>Natural Subregion(s)</u> Dry Mixedwood vascular Plants) ular Plants) <u>Natural Subregion(s)</u> Dry Mixedwood brate Animals)	river bulrush Common Name urn moss Common Name Canadian rice grass Common Name Peregrine Falcon Common Name Common Name	3 ERank 3 ERank 3 ERank	5 PARep 5 PARep 5 PARep
Scirpus fluviatilis 345 Noyes Crossing Scientific Element Name (Non-v Physcomitrium pyriforme Scientific Element Name (Vascu Oryzopsis canadensis 346 Moonlight Bay Scientific Element Name (Verte Falco peregrinus Scientific Element Name (Vascu Carex hystricina Flodea longivaginata	<u>Natural Subregion(s)</u> Dry Mixedwood vascular Plants) ular Plants) <u>Natural Subregion(s)</u> Dry Mixedwood brate Animals)	river bulrush Common Name urn moss Common Name Canadian rice grass Common Name Peregrine Falcon	3 ERank 3 ERank 3 ERank 2 ERank 2	5 PARep 5 PARep 5 PARep PARep 5
Scirpus fluviatilis 345 Noyes Crossing Scientific Element Name (Non-v Physcomitrium pyriforme Scientific Element Name (Vascu Oryzopsis canadensis 346 Moonlight Bay Scientific Element Name (Verte Falco peregrinus Scientific Element Name (Vascu Carex hystricina	<u>Natural Subregion(s)</u> Dry Mixedwood vascular Plants) ular Plants) <u>Natural Subregion(s)</u> Dry Mixedwood brate Animals) ular Plants) <u>Natural Subregion(s)</u> Dry Mixedwood	river bulrush Common Name urn moss Common Name Canadian rice grass Common Name Peregrine Falcon Common Name Common Name	3 ERank 3 ERank 3 ERank 2 ERank 2	5 PARep 5 PARep 5 PARep PARep 5
Scirpus fluviatilis 345 Noyes Crossing Scientific Element Name (Non-w Physcomitrium pyriforme Scientific Element Name (Vascu Oryzopsis canadensis 346 Moonlight Bay Scientific Element Name (Verte. Falco peregrinus Scientific Element Name (Vascu Carex hystricina Flodea longivaginata 347 Fallis	<u>Natural Subregion(s)</u> Dry Mixedwood vascular Plants) ular Plants) <u>Natural Subregion(s)</u> Dry Mixedwood brate Animals) ular Plants) <u>Natural Subregion(s)</u> Dry Mixedwood	river bulrush Common Name urn moss Common Name Canadian rice grass Common Name Peregrine Falcon Common Name porcupine sedge Canada waterweed	3 ERank 3 ERank 3 ERank 2 ERank 3 4	5 PARep 5 PARep 5 PARep 5 5 5
Scirpus fluviatilis 345 Noyes Crossing Scientific Element Name (Non-w Physcomitrium pyriforme Scientific Element Name (Vascu Oryzopsis canadensis 346 Moonlight Bay Scientific Element Name (Verte Falco peregrinus Scientific Element Name (Vascu Carex hystricina Flodea longivaginata 347 Fallis Scientific Element Name (Non-w	Natural Subregion(s) Dry Mixedwood vascular Plants) ilar Plants) Natural Subregion(s) Dry Mixedwood brate Animals) ilar Plants) Natural Subregion(s) Dry Mixedwood brate Animals) Ilar Plants) Natural Subregion(s) Dry Mixedwood vascular Plants)	river bulrush Common Name urn moss Common Name Canadian rice grass Common Name Peregrine Falcon Common Name porcupine sedge Canada waterweed Common Name	3 ERank 3 ERank 3 ERank 2 ERank 3 4 ERank 3 ERank 3 ERank 2 ERank 3 4 ERank 2 ERank 2 ERank 3 4 ERank 3 4 ERank 3 4 ERank 3 4 ERank 3 4 ERank 3 4 ERank 3 4 ERank 3 4 ERank 3 4 ERank 3 4 ERank 3 4 ERank 3 4 ERank 3 4 ERank 3 4 ERank 3 ERank 3 ERank 2 ERank 2 ERank 2 ERank 2 ERank 2 ERank 2 ERank 2 ERank 2 ERank 2 ERank ERank ERank ERank ERank ERank ERank ERank	5 PARep 5 PARep 5 PARep 5 5 5 PARep PARep

<u> 448 Seba</u>	Natural Subregion(s)			
	Dry Mixedwood			
Scientific Element Name (Vascular Pl	ants)	Common Name	ERank	PARep
Carex retrorsa		turned sedge	2	4
Muhlenbergia racemosa Sagittaria latifolia		marsh muhly broad-leaved arrowhead	33	4
4 <u>9</u> Opal	Natural Subregion(s)	· · · ·		
	Dry Mixedwood			
Scientific Element Name (Vascular Pl	ants)	Common Name	ERank	PARep
Carex pauciflora Juncus brevicaudatus		few-flowered sedge short-tail rush	23	4 4
350 Little Mountain (Edmonton)	<u>Natural Subregion(s)</u> Central Parkland			
Scientific Element Name (Vascular Pl	ants)	Common Name	ERank	PARep
Oryzopsis canadensis	n men men men men men en de se de se men den besker besker men men die de en de besker beker se de se se de be En men men men men men en en de se de se de se de se men men men die de se de se men die de se de se de se de s	Canadian rice grass	· 3	5
351 Moose Hills Lake	<u>Natural Subregion(s)</u> Dry Mixedwood			
Scientific Element Name (Vascular Pl	ants)	Common Name	ERank	PARep
Polygala paucifolia		fringed milkwort	3	5
352 Elk Point	<u>Natural Subregion(s)</u> Dry Mixedwood			
Scientific Element Name (Vascular Pi	lants)	Common Name	ERank	P.ARcp
Polygala paucifolia		fringed milkwort	3	5
354 Hind Lake	<u>Natural Subregion(s)</u> Central Parkland			
Vegetation Community Element Name Festuca hallii alliance	2 2 29 mars and a star of			
<u>355 McLaughlin</u>	<u>Natural Subregion(s)</u> Contral Parkland			
Vegetation Community Element Name Festuca hallil alliance	e			
356 Rough Lake Fescue	<u>Natural Subregion(s)</u> Central Parkland			l de angeweich an de Brannes had bauke
Scientific Element Name (Vascular P	lants)	Common Name	ERank	PARep
Aster pauciflorus Carex crawei		few-flowered aster Crawe's sedge	42	4 3
Vegetation Community Element Nam	enna en energen en e		a yerbe den ben fennen der de men bedelten der der vereinen bezahlten er dass der der der der der der der der d Her der eine der der der der der der der der der de	8 y 9 y 10
Festuca hallii alliance				

<u>357</u> Black Creek	<u>Natural Subregion(s)</u> Central Parkland			·
Scientific Element Name (Vascular P	lants)	Common Name	ERank	PARep
Potentilla finitima		sandhills cinquefoil	4	5
<u>358</u> Hardisty 5	<u>Natural Subregion(s)</u> Central Parkland			
Vegetation Community Element Name Festuca hallii alliance	Ľ			
<u>361</u> <u>Minburn</u>	<u>Natural Subregion(s)</u> Central Parkland			
Vegetation Community Element Nam Festuca hallii alliance	e			
362 Ribstone Fescue	<u>Natural Subregion(s)</u> Central Parkland			
Vegetation Community Element Nam Festuca hallii alliance	1e			
<u>363 Blackmud Creek</u>	<u>Natural Subregion(s)</u> Central Parkland			
Scientific Element Name (Vascular I	Plants)	Common Name	ERank	PARep
Scirpus fluviatilis		river bulrush	3	5
<u>364</u> <u>Camrose Fescue</u>	<u>Natural Subregion(s)</u> Central Parkland			
Vegetation Community Element Nan Festuca hallii alliance	ne			
<u>365 Whitemud Creek</u>	<u>Natural Subregion(s)</u> Central Parkland	· · · ·		
Scientific Element Name (Non-vascı	ılar Plants)	Common Name	ERank	PARep
Aloina rigida Weissia controversa		aloe-like rigid screw moss green-cushioned weissia		4 3
366 Devonian Gardens North	<u>Natural Subregion(s)</u> Central Parkland			
Scientific Element Name (Vascular	Plants)	Common Name	ERank	PARep
Cynoglossum boreale		wild comfrey	4	5
<u>367</u> Strawberry Creek	<u>Natural Subregion(s)</u> Dry Mixedwood			
Scientific Element Name (Vascular	Plants)	Common Name	ERank	PARep
Scirpus clintonii		Clinton's bulrush	4	5

368 <u>Pembina River</u>	<u>Natural Subregion(s)</u> Upper Foothills			
Scientific Element Name (Vascula	r Plants)	Common Name	ERank	
Cardamine pratensis		meadow bitter cress	3	
369 Brown Creek	<u>Natural Subregion(s)</u> Upper Foothills			
Scientific Flement Name (Non-va	scular Plants)	Common Name	FRank	
Grimmia pilifera		hair giboshi moss	4 	
<u>370</u> Prairie Creek	<u>Natural Subregion(s)</u> Sub-Alpine Upper Foothills			
Scientific Element Name (Non-va	scular Plants)	Common Name	ERank	
Anoectangium aestivum			4	
<u>371</u> <u>Prentice Creek West</u>	<u>Natural Subregion(s)</u> Lower Foothills			
Scientific Element Name (Non-va	scular Plants)	Common Name	ERank	
Bryum purpurascens			4 	
372 Blindman River	<u>Natural Subregion(s)</u> Central Parkland			
Scientific Element Name (Vascula	ar Plants)	Common Name	ERank	
Muhlenbergia racemosa	٢٠	marsh multly	3	Gun un v
373 Ghostpine	<u>Natural Subregion(s)</u> Central Parkland			
Vegetation Community Element I Festuca hallii alliance	Name			
374 Buffalo Lake #2	<u>Natural Subregion(s)</u> Central Parkland			
Vegetation Community Element 1 Festuca hallii alliance	Name			
375 Donalda Fescue	<u>Natural Subregion(s)</u> Central Parkland			
Vegetation Community Element i Festuca hallii alliance	Name			
377 Alkali Ponds	<u>Natural Subregion(s)</u> Northern Fescue			
Vegetation Community Element	Name ·			e la jag

<u>378 Killarney Lake #2</u>	<u>Natural Subregion(s)</u> Central Parkland			
Vegetation Community Element Name Festuca hallii alliance •				
			an a construct a second (Second S	
<u>380</u> Wainwright	<u>Natural Subregion(s)</u> Central Parkland			
Vegetation Community Element Name				
Festuca hallii alliance				·····
381 Rodo West	<u>Natural Subregion(s)</u> Northern Fescue			
Vegetation Community Element Name Festuca hallii alliance				
<u>382 New Brigden Fescue</u>	<u>Natural Subregion(s)</u> Dry Mixedgrass Northern Fescue			
Vegetation Community Element Name	aanaan Madaa Adda Madaa Farta Adaa Adaa Adaa Adaa Adaa Adaa Adaa Ad			
Festuca hallii alliance		-	1999) 1994 Mathal Malada Mada da Manaka M	
383 Dowling Fescue	<u>Natural Subregion(s)</u> Northern Fescue			1999 - 1999 -
Vegetation Community Element Name Festuca hallii alliance				
<u>384 Kirkpatrick Fescue</u>	<u>Natural Subregion(s)</u> Northern Fescue			n china cher ya cyananga mingan na gan gan gan gangali
Vegetation Community Element Name Festuca hallii alliance	ан тана тану тана тана тана тана тана та			
<u>385</u> <u>Kirkpatrick</u>	<u>Natural Subregion(s)</u> Northern Fescue			
Scientific Element Name (Vascular Pla	ints)	Common Name	ERank	PARep
Linaria canadensis		field toad-flax	4	5
<u>386</u> <u>Antelope Lake</u>	<u>Natural Subregion(s)</u> Dry Mixedgrass			
Scientific Element Name (Vascular Pla	ints)	Common Name	ERank	PARep
Thellungiella salsuginea		mouse-ear cress	4	4
387 Hand Hills Fescue	<u>Natural Subregion(s)</u> Northern Fescue			
Vegetation Community Element Name Festuca hallii alliance				-

ID Special Feature Polygon Name 388 Munson Fescue Natural Subregion(s) Northern Fescue Vegetation Community Element Name Festuca hallii alliance 389 Torrington Natural Subregion(s) Central Parkland Scientific Element Name (Vascular Plants) Common Name ERank PARep few-flowered salt-meadow grass 4 4 Puccinellia pauciflora 390 Sprav Lakes Natural Subregion(s) Alpine Sub-Alpine Scientific Element Name (Non-vascular Plants) Common Name ERank PARep Bryum muehlenbeckii 4 4 391 Chiniki Natural Subregion(s) Alpine Sub-Alpine Common Name ERank PARep Scientific Element Name (Non-vascular Plants) 4 4 Bryum muehlenbeckii 392 Elbow Falls Natural Subregion(s) Lower Foothills Sub-Alpine Common Name ERank PARep Scientific Element Name (Non-vascular Plants) Jaffueliobryum raui 4 4 393 McLean Creek Natural Subregion(s) Lower Foothills Scientific Element Name (Non-vascular Plants) Common Name ERank PARep 4 4 Dichelyma falcatum Natural Subregion(s) 394 Beaupre Creek Montane Scientific Element Name (Non-vascular Plants) Common Name ERank PARep Bryum muehlenbeckii 4 4 ERank PARep Scientific Element Name (Vascular Plants) Common Name Carex crawei Parnassia parviflora Crawe's sedge small northern grass-of-parnassus 2 3 Natural Subregion(s) 395 Phantom Crag Sub-Alpine Upper Foothills Scientific Element Name (Vascular Plants) Common Name ERank PARep Woodsia glabella smooth woodsia 3 4

<u>396</u> <u>Cochrane</u> <u>Natural Subregion(s)</u>

Foothills Parkland

Scientific Element Name (Non-vascular Plants)	Common Name	ERank	PARep
Schistidium pulvinatum		3	4
		*****	te construction procession and a second

 397
 Bragg Creek
 Natural Subregion(s)

 Lower Foothills
 Lower Foothills

Scientific Element Name (Vascular Plants)	Common Name	ERank	PARep
Botrychium minganense		3	1
Cardamine pratensis	meadow bitter cress	3	4
Carex capitata	capitate sedge	2	3

398 Robinson Hill

<u>Natural Subregion(s)</u> Lower Foothills

Scientific Element Name (Non-vascular Plants)	Common Name	ERank	PARep
Bryum muehlenbeckii		4	4
Bryum turbinatum		1	4

<u>399</u> Priddis

<u>Natural Subregion(s)</u> Foothills Parkland

Lower Foothills

Scientific Element Name (Vertebrate Animals)	Common Name	ERank	PARep
Rana pipiens	northern leopard frog	2	4
Scientific Element Name (Non-vascular Plants)	Common Name	ERank	PARep
Physcomitrium pyriforme	urn moss	3	5

400 Calgary

<u>Natural Subregion(s)</u> Foothills Fescue

Foothills Parkland

Scientific Element Name (Vertebrate Animals)	Common Name	ERank	PARep
Falco peregrinus	Peregrine Falcon	· 2	
Rana pipiens	northern leopard frog	2	
Scientific Element Name (Non-vascular Plants)	Common Name	ERank	PARep
Desmatodon cernuus	narrow-leafed chain-teeth moss	4	4
Desmatodon heimii	long-stalked beardless moss	2	5
Physcomitrium hookeri	bladder-cap moss	4	5
Weissia controversa	green-cushioned weissia	3	3
Scientific Element Name (Vascular Plants)	Common Name	ERank	PARep
Barbarea orthoceras	American winter cress	2	3
Carex parryana var parryana	Parry's sedge	3	3
Carex umbellata	umbellate sedge	2	4
Ellisia nyctelea	waterpod	2	3
Lomatogonium rotatum	marsh felwort	2	3
Potentilla finitima	sandhills cinquefoil	4	5
Sisyrinchium septentrionale	pale blue-eyed grass	4	4

401 Wintering Hills Fescue

Natural Subregion(s) Northern Fescue

Vegetation Community Element Name	
Festuca hallii alliance	

02 Bull Pound Creek	<u>Natural Subregion(s)</u> Dry Mixedgrass			
Scientific Element Name (Vascula	ar Plants)	Common Name	ERank	PARep
Chenopodium watsonii		Watson's goosefoot	3	5
03 Finnegan	<u>Natural Subregion(s)</u> Dry Mixedgrass			
Sciontific Element Name (Non-va	iscular Plants)	Common Name	F.Rank	PARer
Pterygoneurum ovatum	ng museula a bala tala anto a anto terreto a constructivo de a transferencia a tal secondo de la del secondo de	hairy-leaved beardless moss	3	5
104 Patricia	<u>Natural Subregion(s)</u> Dry Mixedgrass			
Scientific Element Name (Vascula	ar Plants)	Common Name	ERank	PARep
Atriplex powellii Bidens frondosa		Powell's saltbush common beggarticks	33	5 5
407 Drowning Ford	<u>Natural Subregion(s)</u> Dry Mixedgrass			
Scientific Element Name (Vertebr	rate Animals)	Common Name	ERank	PARep
Crotalus viridis		prairie rattlesnake	1	
Scientific Element Name (Vascul	'ar Plants)	Common Name	ERank	PARep
Astragalus kentrophyta var kentro Elymus virginicus	ophyta	Virginia wild rye	4 3	4
Lycopus americanus		American water-horehound	2	5
Oryzopsis micrantha Potentilla paradoxa		little-seed rice grass bushy cinquefoil	22	5 4
			$\overline{2}$	
Sitanion hystrix		squirreltail	2	3
Sitanion hystrix	<u>Natural Subregion(s)</u> Dry Mixedgrass	squirreltail		3
Sitanion hystrix	Dry Mixedgrass	squirreltail Common Name	ERank	
Sitanion hystrix 408 Bow City East	Dry Mixedgrass			3 <i>PARep</i> 5
Sitanion hystrix 408 Bow City East Scientific Element Name (Vascul Bacopa rotundifolia	Dry Mixedgrass	Common Name	ERank	PARep
Sitanion hystrix 408 Bow City East Scientific Element Name (Vascul Bacopa rotundifolia	Dry Mixedgrass lar Plants) <u>Natural Subregion(s)</u> Mixedgrass	Common Name	ERank	PARep 5
Sitanion hystrix 408 Bow City East Scientific Element Name (Vascul Bacopa rotundifolia 409 Harrington	Dry Mixedgrass lar Plants) <u>Natural Subregion(s)</u> Mixedgrass	Common Name water hyssop	ERank 3	PARep 5
Sitanion hystrix 408 Bow City East Scientific Element Name (Vascul Bacopa rotundifolia 409 Harrington Scientific Element Name (Vascul	Dry Mixedgrass lar Plants) <u>Natural Subregion(s)</u> Mixedgrass	Common Name water hyssop Common Name	ERank 3 ERank	PARep 5 PARep
Sitanion hystrix 408 Bow City East Scientific Element Name (Vascul Bacopa rotundifolia 409 Harrington Scientific Element Name (Vascul Amaranthus californicus	Dry Mixedgrass lar Plants) Natural Subregion(s) Mixedgrass lar Plants) Natural Subregion(s) Foothills Fescue	Common Name water hyssop Common Name Californian amaranth Common Name	ERank 3 ERank 4 ERank	PARep 5 PARep
Sitanion hystrix 408 Bow City East Scientific Element Name (Vascul Bacopa rotundifolia 409 Harrington Scientific Element Name (Vascul Amaranthus californicus 410 High River	Dry Mixedgrass lar Plants) Natural Subregion(s) Mixedgrass lar Plants) Natural Subregion(s) Foothills Fescue	Common Name water hyssop Common Name Californian amaranth	ERank 3 ERank 4	PARep 5 PARep 5
Sitanion hystrix 408 Bow City East Scientific Element Name (Vascul Bacopa rotundifolia 409 Harrington Scientific Element Name (Vascul Amaranthus californicus 410 High River Scientific Element Name (Verteb	Dry Mixedgrass lar Plants) Natural Subregion(s) Mixedgrass lar Plants) Natural Subregion(s) Natural Subregion(s) Foothills Fescue brate Animals)	Common Name water hyssop Common Name Californian amaranth Common Name northern leopard frog Common Name Common Name	ERank 3 ERank 4 ERank	PARep 5 PARep 5 PARep
Sitanion hystrix 408 Bow City East Scientific Element Name (Vascul Bacopa rotundifolia 409 Harrington Scientific Element Name (Vascul Amaranthus californicus 410 High River Scientific Element Name (Verteb Rana pipiens	Dry Mixedgrass lar Plants) Natural Subregion(s) Mixedgrass lar Plants) Natural Subregion(s) Natural Subregion(s) Foothills Fescue brate Animals)	Common Name water hyssop Common Name Californian amaranth Common Name northern leopard frog	ERank 3 ERank 4 ERank 2	PARep 5 PARep 5 PARep
Sitanion hystrix 408 Bow City East Scientific Element Name (Vascul Bacopa rotundifolia 409 Harrington Scientific Element Name (Vascul Amaranthus californicus 410 High River Scientific Element Name (Verteb Rana pipiens Scientific Element Name (Vascul Amaranthus californicus	Dry Mixedgrass lar Plants) Natural Subregion(s) Mixedgrass lar Plants) Natural Subregion(s) Natural Subregion(s) Foothills Fescue brate Animals)	Common Name water hyssop Common Name Californian amaranth Common Name northern leopard frog Common Name Common Name	ERank 3 ERank 4 ERank 2 ERank	PARep 5 PARep 5 PARep PARep
Sitanion hystrix 408 Bow City East Scientific Element Name (Vascul Bacopa rotundifolia 409 Harrington Scientific Element Name (Vascul Amaranthus californicus 410 High River Scientific Element Name (Verteb Rana pipiens Scientific Element Name (Vascul	Dry Mixedgrass lar Plants) <u>Natural Subregion(s)</u> Mixedgrass lar Plants) <u>Natural Subregton(s)</u> Foothills Fescue brate Animals) lar Plants) Natural Subregton(s) Sub-Alpine	Common Name water hyssop Common Name Californian amaranth Common Name northern leopard frog Common Name Common Name	ERank 3 ERank 4 ERank 2 ERank	PARep 5 PARep 5 PARep PARep

411 Livingstone Falls	Natural Subregion(s)			
	Sub-Alpine	· ·		
	•	· · · ·		
412 Chain Lakes	Natural Subregion(s)			
	Foothills Parkland			
Vegetation Community Element Name	6		ους ήξα εξαστηρούς τους τη βουλουτής της πορογοριστικής το τη βουλουτής τους της Γουργανίας τους του πουρουρία της	P
Pinus flexilis alliance				
414 Chapel Butte	Natural Subregion(s)			
	Montane			
Vegetation Community Element Name	C			· · · · · · · · · · · · · · · · · · ·
Pinus flexilis alliance				
415 Big Coulee	Natural Subregion(s)			
	Foothills Fescue			
	Montane			
Vegetation Community Element Nam	e	n na	anaran 1991, dina di serenda di serenda di biba da sa sa barana ara sa banana a na anara da si ba	
Pinus flexilis alliance				
416 Willow Creek Little Bluestem	Natural Subregion(s)			
	Foothills Fescue			
	Mixedgrass			
	Mixedgrass			
Scientific Element Name (Vascular P	lants)	Common Name	ERank	Pz
Scientific Element Name (Vascular P Schizachyrium scoparium var scopar	lants)	Common Name little bluestem	ERank 4	
	Plants) ium			
Schizachyrium scoparium var scopar	Plants) ium re			<i>P</i> ,
Schizachyrium scoparium var scopar Vegetation Community Element Nam Schizachyrium scoparium - Poa inter	Plants) ium ne ior <u>Natural Subregion(s)</u>			PA
Schizachyrium scoparium var scopar Vegetation Community Element Nam Schizachyrium scoparium - Poa inter	<i>Plants)</i> ium <i>ee</i> rior			
Schizachyrium scoparium var scopar Vegetation Community Element Nam Schizachyrium scoparium - Poa inter	Plants) ium ne ior <u>Natural Subregion(s)</u> Dry Mixedgrass			
Schizachyrium scoparium var scopar Vegetation Community Element Nam Schizachyrium scoparium - Poa inter 417 Little Bow Scientific Element Name (Vascular F Lycopus americanus	Plants) ium ne ior <u>Natural Subregion(s)</u> Dry Mixedgrass	little bluestem	4 ERank 2	
Schizachyrium scoparium var scopar Vegetation Community Element Nam Schizachyrium scoparium - Poa inter 417 Little Bow Scientific Element Name (Vascular F	Plants) ium ne ior <u>Natural Subregion(s)</u> Dry Mixedgrass	little bluestem Common Name	4 ERank	
Schizachyrium scoparium var scopar Vegetation Community Element Nam Schizachyrium scoparium - Poa inter 417 Little Bow Scientific Element Name (Vascular F Lycopus americanus Muhlenbergia asperifolia	Plants) ium ne ior <u>Natural Subregion(s)</u> Dry Mixedgrass	little bluestem Common Name American water-horehound scratch grass	4 ERank 2 2	P.A.
Schizachyrium scoparium var scopar Vegetation Community Element Nam Schizachyrium scoparium - Poa inter 417 Little Bow Scientific Element Name (Vascular F Lycopus americanus Muhlenbergia asperifolia Sagittaria latifolia	Plants) iium ne ior <u>Natural Subregion(s)</u> Dry Mixedgrass Plants)	little bluestem Common Name American water-horehound scratch grass	4 ERank 2 2	
Schizachyrium scoparium var scopar Vegetation Community Element Nam Schizachyrium scoparium - Poa inter 417 Little Bow Scientific Element Name (Vascular F Lycopus americanus Muhlenbergia asperifolia Sagittaria latifolia	Plants) iium ne iior <u>Natural Subregion(s)</u> Dry Mixedgrass Plants) <u>Natural Subregion(s)</u> Dry Mixedgrass	little bluestem Common Name American water-horehound scratch grass	4 ERank 2 2	
Schizachyrium scoparium var scopar Vegetation Community Element Nam Schizachyrium scoparium - Poa inter 417 Little Bow Scientific Element Name (Vascular F Lycopus americanus Muhlenbergia asperifolia Sagittaria latifolia 418 Cranford	Plants) iium ne iior <u>Natural Subregion(s)</u> Dry Mixedgrass Plants) <u>Natural Subregion(s)</u> Dry Mixedgrass	little bluestem <i>Common Name</i> American water-horehound scratch grass broad-leaved arrowhead	4 <i>ERank</i> 2 2 3	
Schizachyrium scoparium var scopar Vegetation Community Element Nam Schizachyrium scoparium - Poa inter 417 Little Bow Scientific Element Name (Vascular F Lycopus americanus Muhlenbergia asperifolia Sagittaria latifolia 418 Cranford Scientific Element Name (Vascular F	Plants) ium ne ior <u>Natural Subregion(s)</u> Dry Mixedgrass Plants) <u>Natural Subregion(s)</u> Dry Mixedgrass Plants)	little bluestem Common Name American water-horehound scratch grass broad-leaved arrowhead Common Nume	4 ERank 2 2 3 ERunk	
Schizachyrium scoparium var scopar Vegetation Community Element Nam Schizachyrium scoparium - Poa inter 417 Little Bow Scientific Element Name (Vascular F Lycopus americanus Muhlenbergia asperifolia Sagittaria latifolia 418 Cranford Scientific Element Name (Vascular F Rorippa truncata	Plants) ium ne ior <u>Natural Subregion(s)</u> Dry Mixedgrass Plants) <u>Natural Subregion(s)</u> Dry Mixedgrass	little bluestem Common Name American water-horehound scratch grass broad-leaved arrowhead Common Nume	4 ERank 2 2 3 ERunk	
Schizachyrium scoparium var scopar Vegetation Community Element Nam Schizachyrium scoparium - Poa inter 417 Little Bow Scientific Element Name (Vascular F Lycopus americanus Muhlenbergia asperifolia Sagittaria latifolia 418 Cranford Scientific Element Name (Vascular F Rorippa truncata	Plants) ium re ior <u>Natural Subregion(s)</u> Dry Mixedgrass Plants) <u>Natural Subregion(s)</u> Dry Mixedgrass Plants) <u>Natural Subregion(s)</u> <u>Natural Subregion(s)</u> <u>Mixedgrass</u>	little bluestem Common Name American water-horehound scratch grass broad-leaved arrowhead Common Nume	4 ERank 2 2 3 ERunk	P.
Schizachyrium scoparium var scopar Vegetation Community Element Nam Schizachyrium scoparium - Poa inter 417 Little Bow Scientific Element Name (Vascular F Lycopus americanus Muhlenbergia asperifolia Sagittaria latifolia 418 Cranford Scientific Element Name (Vascular F Rorippa truncata 419 Coaldale	Plants) ium re ior <u>Natural Subregion(s)</u> Dry Mixedgrass Plants) <u>Natural Subregion(s)</u> Dry Mixedgrass Plants) <u>Natural Subregion(s)</u> <u>Natural Subregion(s)</u> <u>Mixedgrass</u>	little bluestem Common Name American water-horehound scratch grass broad-leaved arrowhead Common Nume blunt-leaved yellow cress	4 ERank 2 3 3 ERank 3	
Schizachyrium scoparium var scopar Vegetation Community Element Name Schizachyrium scoparium - Poa inter 417 Little Bow Scientific Element Name (Vascular F Lycopus americanus Muhlenbergia asperitolia Sagittaria latifolia 418 Cranford Scientific Element Name (Vascular F Rorippa truncata 419 Coaldale Scientific Element Name (Vascular F	Plants) ium re ior <u>Natural Subregion(s)</u> Dry Mixedgrass Plants) <u>Natural Subregion(s)</u> <u>Natural Subregion(s)</u> Mixedgrass Plants) <u>Natural Subregion(s)</u>	Iittle bluestem Common Name American water-horehound scratch grass broad-leaved arrowhead Common Nume blunt-leaved yellow cress Common Name Common Name	4 ERank 2 3 3 ERank 3 ERank	
Schizachyrium scoparium var scopar Vegetation Community Element Nam Schizachyrium scoparium - Poa inter 417 Little Bow Scientific Element Name (Vascular F Lycopus americanus Muhlenbergia asperifolia Sagittaria latifolia 418 Cranford Scientific Element Name (Vascular F Rorippa truncata 419 Coaldale Scientific Element Name (Vascular F Bahia oppositifolia	Plants) ium re ior <u>Natural Subregion(s)</u> Dry Mixedgrass Plants) <u>Natural Subregion(s)</u> Dry Mixedgrass Plants) <u>Natural Subregion(s)</u> <u>Mixedgrass</u>	Iittle bluestem Common Name American water-horehound scratch grass broad-leaved arrowhead Common Nume blunt-leaved yellow cress Common Name Common Name	4 ERank 2 3 3 ERank 3 ERank	P.
Schizachyrium scoparium var scopar Vegetation Community Element Nam Schizachyrium scoparium - Poa inter 417 Little Bow Scientific Element Name (Vascular F Lycopus americanus Muhlenbergia asperifolia Sagittaria latifolia 418 Cranford Scientific Element Name (Vascular F Rorippa truncata 419 Coaldale Scientific Element Name (Vascular F Bahia oppositifolia	Plants) ium re ior <u>Natural Subregion(s)</u> Dry Mixedgrass Plants) <u>Natural Subregion(s)</u> Dry Mixedgrass Plants) <u>Natural Subregion(s)</u> Mixedgrass Plants) <u>Natural Subregion(s)</u> Dry Mixedgrass	Iittle bluestem Common Name American water-horehound scratch grass broad-leaved arrowhead Common Nume blunt-leaved yellow cress Common Name Common Name	4 ERank 2 3 3 ERank 3 ERank	

 420 Grand Forks
 Natural Subregion(s)

Dry Mixedgrass

Scientific Element Name (Vascula	ar Plants)	Common Name	ERank	PARep
Cuscuta gronovii		common dodder	3	5
421 Medicine Hat West	Natural Subregion(s)			
	Dry Mixedgrass			
Scientific Element Name (Vertebr	ate Animals)	Common Name	ERank	PARep
Moxostoma anisurum		silver redhorse	2	5
Phrynosoma douglasii var breviro	ostre	short-horned lizard	2	4
Rana pipiens		northern leopard frog	2	
Scientific Element Name (Vascula	ar Plants)	Common Name	ERank	PARep
Atriplex powellii		Powell's saltbush	3	5
Coreopsis tinctoria		common tickseed	3	5
Cryptantha minima		small cryptanthe	3	5
Linanthus septentrionalis		linanthus	3	3
Polanisia dodecandra		clammyweed	3	5
Potentilla paradoxa		bushy cinquefoil	2	4
Scirpus pallidus		pale bulrush	3	4
Thelesperma marginatum		greenthread	3	5

422 Redcliff NW

<u>Natural Subregion(s)</u> Dry Mixedgrass

Scientific Element Name (Vertebrate Animals)	Common Name	ERank PA
Athene cunicularia	Burrowing Owl	3
Scientific Element Name (Vascular Plants)	Common Name	ERank PA
Centunculus minimus	-1 CC J	•

423 Elkwater Lake West Natural Subregion(s) Montane

Scientific Element Name (Vascular Plants)	Common Name	ERank	PARep
Lomatium cous	biscuit-root	3	3

426 Buffalo Trail Lake

<u>Natural Subregion(s)</u> Mixedgrass

Scientific Element Name (Vascular Plants)	Common Name	ERank	PARep
Danthonia unispicata	one-spike oat grass	2	4
Juncus confusus	few-flowered rush	2	4
Potentilla plattensis	low cinquefoil	3	2
Sisyrinchium septentrionale	pale blue-eyed grass	4	4
Spartina pectinata	prairie cord grass	3	4
Townsendia exseapa	low townsendia	3	5

427 Bare Creek

Natural Subregion(s)

Dry Mixedgrass

Scientific Element Name (Vascular Plants)	Common Name	ERank	PARep
Astragalus purshii	Pursh's milk vetch	2	4
Boisduvalia glabella	smooth boisduvalia	2	3
Centunculus minimus	chaffweed	3	5
Danthonia unispicata	one-spike oat grass	2	4
Marsilea vestita	hairy pepperwort	3	5
Oenothera flava	low yellow evening-primrose	3	4
Polygonum watsonii	Watson's knotweed	4	4

428 Sage Creek #3	<u>Natural Subregion(s)</u> Dry Mixedgrass			
Scientific Element Name (Vascu	lar Plants)	Common Name	ERank	PARep
Atriplex truncata		saltbush	3	5
429 Craiguwei	<u>Natural Subregion(s)</u> Dry Mixedgrass			
Scientific Element Name (Vertel	brate Animals)	Common Name	ERank	PARep
Rana pipiens		northern leopard frog		
Scientific Element Name (Vascu	lar Plants)	Common Name	ERank	PARep
Lilaca scilloides	(u) 1 (u(1)),	flowering-quillwort	4	4
<u>430</u> Pinhorn Yucca	<u>Natural Subregion(s)</u> Dry Mixedgrass			
Scientific Element Name (Vascu	llar Plants)	Common Name	ERank	PARep
Yucca glauca		soapweed		5
Vegetation Community Element	Name			
Yucca glauca/ Calamovilfa long				
431 Philip Coulee	<u>Natural Subregion(s)</u> Dry Mixedgrass	•		
Scientific Element Name (Vascu	ılar Plants)	Common Name	ERank	PARep
Spartina pectinata		prairie cord grass	3	4
<u>432</u> Manyberries	<u>Natural Subregion(s)</u> Dry Mixedgrass			
Scientific Element Name (Vascı	(lar Plants)	Common Name	ERank	PARep
Lilaea scilloides		flowering-quillwort	4	4
433 Foremost	<u>Natural Subregion(s)</u> Dry Mixedgrass			- -
Scientific Element Name (Vasci	ular Plants)	Common Name	ERank	PARep
Downingia lacta		downingia	3	4
434 Milk River Town	<u>Natural Subregion(s)</u> Mixedgrass			
Scientific Element Name (Verte	brate Animals)	Common Name	ERank	PARep
Lagurus curtatus Rana pipiens		sagebrush vole northern leopard frog	12	4 • 4
Scientific Element Name (Vasci	ular Plants)	Common Name	ERank	PARep
Astragalus kentrophyta var ken	itrophyta		4	4
435 Pothole Creek	<u>Natural Subregion(s)</u> Mixedgrass			
Scientific Element Name (Vasc	ular Plants)	Common Name	ERank	PARep
Downingia laeta	aara mana mana mana amin'ny fisiana amin'ny fisiana amin'ny fisiana amin'ny fisiana amin'ny fisiana amin'ny fis -	downingia	3	4

435 Pothole Creek	Natural Subregion(s)			
and <u>a compare serve</u>	Mixedgrass			
436 Beaverdam Lake SE	<u>Natural Subregion(s)</u> Foothills Parkland Montane			
Scientific Element Name (Vascular F	Plants)	Common Name	ERank	PARep
Alopecurus occidentalis Trisetum canescens	a de la desaria de la de districtión de la compañía de la compañía de la compañía de la compañía de la compañía La compañía de la comp La compañía de la comp	alpine foxtail tall trisetum	24	34
<u>437</u> Carway	<u>Natural Subregion(s)</u> Foothills Fescue			
Scientific Element Name (Vascular H	Plants)	Common Name	ERank	PARep
Iris missouriensis		western blue flag	,3	4
438 Burmis	<u>Natural Subregion(s)</u> Montane			
Vegetation Community Element Nan	1e 1e			
Pinus flexilis alliance				
439 Con Creek	Natural Subregion(s)			
	Central Mixedwood			
Scientific Element Name (Vascular I	Central Mixedwood	Common Name	ERank	PARep
Scientific Element Name (Vascular I Spiranthes lacera	Central Mixedwood	Common Name northern slender ladies'-tresses	ERank 3	PARep 5
Spiranthes lacera	Central Mixedwood			
Spiranthes lacera	Central Mixedwood Plants) <u>Natural Subregion(s)</u> Central Mixedwood			
Spiranthes lacera 440 Ft. McMurray Northeast	Central Mixedwood Plants) <u>Natural Subregion(s)</u> Central Mixedwood	northern slender ladies'-tresses		5
Spiranthes lacera 440 Ft. McMurray Northeast Scientific Element Name (Non-vascu Schistidium agassizii	Central Mixedwood Plants) <u>Natural Subregion(s)</u> Central Mixedwood	northern slender ladies'-tresses Common Name	3 ERank	5 PARep
Spiranthes lacera 440 Ft. McMurray Northeast Scientific Element Name (Non-vascu Schistidium agassizii	Central Mixedwood Plants) Natural Subregion(s) Central Mixedwood ular Plants) <u>Natural Subregion(s)</u> Central Mixedwood	northern slender ladies'-tresses Common Name	3 ERank	5 PARep
Spiranthes lacera <u>440 Ft. McMurray Northeast</u> Scientific Element Name (Non-vascu Schistidium agassizii <u>441 Inglis Island</u>	Central Mixedwood Plants) Natural Subregion(s) Central Mixedwood ular Plants) <u>Natural Subregion(s)</u> Central Mixedwood	northern slender ladies'-tresses Common Name elf bloom moss	3 ERank 4	5 PARep 4
Spiranthes lacera 440 Ft. McMurray Northeast Scientific Element Name (Non-vascu Schistidium agassizii 441 Inglis Island Scientific Element Name (Vascular I Polygala paucifolia	Central Mixedwood Plants) Natural Subregion(s) Central Mixedwood ular Plants) <u>Natural Subregion(s)</u> Central Mixedwood	northern slender ladies'-tresses Common Name elf bloom moss Common Name	3 ERank 4 ERank	PARep 4 PARep
Spiranthes lacera 440 Ft. McMurray Northeast Scientific Element Name (Non-vascu Schistidium agassizii 441 Inglis Island Scientific Element Name (Vascular I Polygala paucifolia	Central Mixedwood Plants) Natural Subregion(s) Central Mixedwood Ilar Plants) Natural Subregion(s) Central Mixedwood Plants) Natural Subregion(s) Central Mixedwood Plants) Central Mixedwood Central Mixedwood	northern slender ladies'-tresses Common Name elf bloom moss Common Name	3 ERank 4 ERank	PARep 4 PARep
Spiranthes lacera 440 Ft. McMurray Northeast Scientific Element Name (Non-vascu Schistidium agassizii 441 Inglis Island Scientific Element Name (Vascular I Polygala paucifolia 442 Ft. McMurray City	Central Mixedwood Plants) Natural Subregion(s) Central Mixedwood Ilar Plants) Natural Subregion(s) Central Mixedwood Plants) Natural Subregion(s) Central Mixedwood Plants) Central Mixedwood Central Mixedwood	northern slender ladies'-tresses Common Name elf bloom moss Common Name fringed milkwort	3 ERank 4 ERank 3	5 <i>PARep</i> 4 <i>PARep</i> 5
Spiranthes lacera 440 Ft. McMurray Northeast Scientific Element Name (Non-vascu Schistidium agassizii 441 Inglis Island Scientific Element Name (Vascular I Polygala paucifolia 442 Ft. McMurray City Scientific Element Name (Vascular I	Central Mixedwood Plants) Natural Subregion(s) Central Mixedwood Ilar Plants) Natural Subregion(s) Central Mixedwood Plants) Natural Subregion(s) Central Mixedwood Plants) Central Mixedwood Central Mixedwood	northern slender ladies'-tresses Common Name elf bloom moss Common Name fringed milk wort Common Name fringed milk wort	3 ERank 4 ERank 3 ERank	5 PARep 4 PARep 5 PARep
Spiranthes lacera 440 Ft. McMurray Northeast Scientific Element Name (Non-vascu Schistidium agassizii 441 Inglis Island Scientific Element Name (Vascular I Polygala paucifolia 442 Ft. McMurray City Scientific Element Name (Vascular I Astragalus bodinii	Central Mixedwood Plants) Natural Subregion(s) Central Mixedwood Idar Plants) Natural Subregion(s) Central Mixedwood Plants) Dry Mixedgrass	northern slender ladies'-tresses Common Name elf bloom moss Common Name fringed milk wort Common Name fringed milk wort	3 ERank 4 ERank 3 ERank	5 PARep 4 PARep 5 PARep

D Special Feature Polygon Name				
144 Hilda North	Natural Subregion(s)			
	Dry Mixedgrass			
Scientific Element Name (Vertebro	ate Animals)	Common Name	ERank	PARep
Bufo cognatus		Great Plains Toad	2	5
445 <u>Empress hibernacula</u>	<u>Natural Subregion(s)</u> Dry Mixedgrass			
Scientific Element Name (Vertebro	ate Animals)	Common Name	ERank	PARep
Crotalus viridis		prairie rattlesnake	1	
Rana pipiens		northern leopard frog	2	
446 <u>Sage Creek #1</u>	<u>Natural Subregion(s)</u> Dry Mixedgrass			
Scientific Element Name (Vertebro	ate Animals)	Common Name	ERank	PARep
Athene cunicularia	ante en en entre en el contra de la el como en en entre e L	Burrowing Owl	3	
Centrocercus urophasianus		Sage Grouse	3	
Charadrius montanus		Mountain Plover short-horned lizard	5 2	5 4
Phrynosoma douglasii var breviro Rana pipiens	stre .	northern leopard frog	2	4
Scientific Element Name (Vascula	ır Plants)	Common Name	ERank	PARep
Astragalus purshii Atriplex canescens		Pursh's milk vetch saltbush	. 2	4
Boisduvalia glabella		smooth boisduvalia	2	5 3
Crepis atribarba	· · · · · · · · · · · · · · · · · · ·	hawk's-beard	22	2
Crepis occidentalis Danthonia unispicata		small-flowered hawk's-beard one-spike oat grass	2	3
Psilocarphus elatior		woollyheads	3	4
447 Wildhorse #2	<u>Natural Subregion(s)</u> Dry Mixedgrass			
Scientific Element Name (Vertebr	ate Animals)	Common Name	ERank	PARep
Centrocercus urophasianus	аландан аландан аландан аландан аландан аландан аландан байттан аландан аландан аландан аландан аландан аланда Аландан аландан	Sage Grouse	3	
448 Hoople Lake	<u>Natural Subregion(s)</u> Dry Mixedwood Lower Foothills			
Scientific Element Name (Vascula	ar Plants)	Common Name	ERank	PARep
Scientific Element Name (Vasculo Carex pedunculata	ar Plants)	Common Name sedge	ERank 4	PARep 5
because and a second source of a second source and a second source and a second source and a second source and	ar Plants) <u>Natural Subregion(s)</u> Central Mixedwood			
Carex pedunculata	<u>Natural Subregion(s)</u> Central Mixedwood			
Carex pedunculata 449 Wabasca River	<u>Natural Subregion(s)</u> Central Mixedwood	sedge		5
Carex pedunculata 449 Wabasca River Scientific Element Name (Vascula	<u>Natural Subregion(s)</u> Central Mixedwood	sedge Common Name	4	5 PARep
Carex pedunculata 449 Wabasca River Scientific Element Name (Vascula Astragalus bodinii	<u>Natural Subregion(s)</u> Central Mixedwood ar Plants) <u>Natural Subregion(s)</u> Mixedgrass	sedge Common Name	4	5 PARep

451 Scotford	Natural Subregion(s)			
	Central Parkland			
Scientific Element Name (Vascu	lar Plants)	Common Name	ERank	PARep
Dichanthelium oligosanthes		sand millet	3	5
452 Court Court	Numeral Sector and			
452 Guat Creek	<u>Natural Subregion(s)</u> Sub-Alpine			
Soiontific Element Name (Vascu	lav Dlanta)	Common Name	ERank	P.A.Rop
Epilobium luteum	iar Plants)	willowherb	3	4 4
Parnassia parviflora		small northern grass-of-parnassus	3	2
453 Cloudy Ridge	<u>Natural Subregion(s)</u> Montane			
Scientific Element Name (Vascu	lar Plants)	Common Name	ERank	PARep
Festuca subulata Trisetum canescens		fescue tall trisetum	3	5 4
<u>454 Halfway Lake</u>	<u>Natural Subregion(s)</u> Dry Mixedwood			
Scientific Element Name (Vascu	ılar Plants)	Common Name	ERank	PARep
Malaxis paludosa		bog adder's-mouth	4	4
455 Wakomao Lake	<u>Natural Subregion(s)</u> Dry Mixedwood			
Scientific Element Name (Vascu	ılar Plants)	Common Name	ERank	PARep
Carex rostrata Drosera anglica		beaked sedge oblong-leaved sundew	2 2	2 4
Drosera linearis		slender-leaved sundew	3	3
Malaxis paludosa Scirpus pumilus var rollandii		bog adder's-mouth dwarf bulrush	4 4	4 2
456 Pincher Creek	<u>Natural Subregion(s)</u> Foothills Fescue			
Scientific Element Name (Vasci	ılar Plants)	Common Name	ERank	PARep
Danthonia californica Juncus confusus		California oat grass few-flowered rush	1	3
Oenothera flava	· · · ·	low yellow evening-primrose	3	4
Plantago canescens		western ribgrass	3	4
457 Bob Creek	<u>Natural Subregion(s)</u> Montane			
Scientific Element Name (Vasci	ılar Plants)	Common Name	ERank	PARep
Conimitella williamsii		conimitella	4	3
458 Coleman	<u>Natural Subregion(s)</u> Sub-Alpine			
Scientific Element Name (Vasci	ular Plants)	Common Name	ERank	PARep
Carex umbellata		umbellate sedge	2	4
Draba densifolia Lewisia pygmaea var pygmaea		whitlow-grass dwarf bitter-root	2	3 2
Lithophragma glabrum Lupinus minimus		rockstar least lupine		2 3
Penstemon fruticosus var scoul	erre e conservation de la conservat	shrubby beardtongue	4	3

458 Coleman 459 Akasu Lake Soiontific Element Name (Vertebrate A Charadrius melodus 460 Albert Lake Scientific Element Name (Vertebrate A Charadrius melodus 461 Cutbank Creek Scientific Element Name (Vertebrate A Charadrius melodus 461 Cutbank Creek Scientific Element Name (Vertebrate A Charadrius montanus 462 Namur Lake Scientific Element Name (Vertebrate A Pelecanus erythrorhynchos	<u>Natural Subregion(s)</u> Sub-Alpine <u>Natural Subregion(s)</u> Central Parkland <u>Inimals)</u> <u>Natural Subregion(s)</u> Central Parkland	Common Name Piping Plover	FRank 4	PARep 5
Scientific Element Name (Vertebrate A Charadrius melodus 460 Albert Lake Scientific Element Name (Vertebrate A Charadrius melodus 461 Cutbank Creck Scientific Element Name (Vertebrate A Charadrius montanus 462 Namur Lake Scientific Element Name (Vertebrate A	Central Parkland Inimals) <u>Natural Subregion(s)</u>			(
Charadrius melodus 460 Albert Lake Scientific Element Name (Vertebrate A Charadrius melodus 461 Cutbank Creek Scientific Element Name (Vertebrate A Charadrius montanus 462 Namur Lake Scientific Element Name (Vertebrate A	Natural Subregion(s)			(
 460 Albert Lake Scientific Element Name (Vertebrate A Charadrius melodus 461 Cutbank Creck Scientific Element Name (Vertebrate A Charadrius montanus 462 Namur Lake Scientific Element Name (Vertebrate A 		Piping Plover	4	5
Scientific Element Name (Vertebrate A Charadrius melodus 461 Cutbank Creek Scientific Element Name (Vertebrate A Charadrius montanus 462 Namur Lake Scientific Element Name (Vertebrate A				
Charadrius melodus 461 Cutbank Creek Scientific Element Name (Vertebrate A Charadrius montanus 462 Namur Lake Scientific Element Name (Vertebrate A				
 461 Cutbank Creek Scientific Element Name (Vertebrate A Charadrius montanus 462 Namur Lake Scientific Element Name (Vertebrate A 	Animals)	Common Name	ERank	PARep
Scientific Element Name (Vertebrate A Charadrius montanus 462 Namur Lake Scientific Element Name (Vertebrate A		Piping Plover	4	5
Charadrius montanus <u>462</u> Namur Lake Scientific Element Name (Vertebrate A	<u>Natural Subregion(s)</u> Dry Mixedgrass			
Charadrius montanus <u>462</u> Namur Lake Scientific Element Name (Vertebrate A	Animals)	Common Name	ERank	PARep
Scientific Element Name (Vertebrate .		Mountain Plover	5	5
	<u>Natural Subregion(s)</u> Boreal Highlands			
Pelecanus erythrorhynchos	Animals)	Common Name	ERank	PARep
		American White Pelican	4	5
463 Snipe Creek	<u>Natural Subregion(s)</u> Central Mixedwood			
Scientific Element Name (Vertebrate	Animals)	Common Name	ERank	PARep
Pelecanus erythrorhynchos		American White Pelican	4	5
<u>464</u> <u>Utikuma Lake</u>	<u>Natural Subregion(s)</u> Central Mixedwood			
Scientific Element Name (Vertebrate	Animals)	Common Name	ERank .	PARep
Pelecanus erythrorhynchos		American White Pelican	4	5
<u>465 Pelican Lake</u>	<u>Natural Subregion(s)</u> Central Mixedwood			
Scientific Element Name (Vertebrate	Animals)	Common Name	F.Rank	PARep
Pelecanus erythrorhynchos		American White Pelican	4	5
466 Door Jam	<u>Natural Subregion(s)</u> Montane			
Scientific Element Name (Vascular F	Plants)	Common Name	ERank	PARep
Pellaea gastonyi			4	4
467 Rossington	<u>Natural Subregion(s)</u> Dry Mixedwood			
Scientific Element Name (Vascular I	Plants)			ayaa aa aadaa ahaa ahaa a
Physostegia ledinghamii	········/	Common Name	ERank	PARep

ID Special Feature Polygon Name						
467 Rossington	Natural Subregion(s)					
	Dry Mixedwood					
468 <u>Manola #2</u>	<u>Natural Subregion(s)</u> Dry Mixedwood					
Scientific Element Name (Vascular Pla	ants)	Common Na	om a sele () man a sele () man a second de la s En second de la second	ERank	PARep	
Physostegia ledinghamii				4	4	
<u>469 Namao</u>	<u>Natural Subregion(s)</u> Central Parkland					
Scientific Element Name (Vascular Plo Physostegia ledinghamii	ants)	Common Na	me	ERank 4	PARep 4	
<u>470</u> <u>Astotin Creek</u>	Natural Subregion(s) Central Parkland					
Scientific Element Name (Vascular Pla	ants)	Common Na	n na mené tanàn manana amin'ny fisia amin'ny fisiana amin'ny fisiana Nora	ERank	PARep	
Physostegia ledinghamii		· · · · · · · · · · · · · · · · · · ·		4	4	
<u>471</u> <u>Clover Bar</u>	<u>Natural Subregion(s)</u> Central Parkland		,			
Scientific Element Name (Vertebrate Animals)		Common Na	me ·	ERank	PARep	
Rana pipiens		northern leo	pard frog	2	[
Scientific Element Name (Vascular Pla	ants)	Common No	ime	ERank	PARep	
Asclepias ovalifolia		low milkwe		2	3	
Carex retrorsa Physostegia ledinghamii		turned sedge		2 4	44	
<u>472 Lea Park</u>	<u>Natural Subregion(s)</u> Central Parkland Dry Mixedwood					
Scientific Element Name (Vascular Pl	ants)	Common Na	ime	ERank	PARep	
Physostegia ledinghamii				<u>4</u>	4	
<u>473</u> Grassy Mountain Crowsnest	<u>Natural Subregion(s)</u> Montane Sub-Alpine	Montane				
Scientific Element Name (Vascular Pl	ants)	Common No	4	ERank	PARep	
Artemisia tridentata Aster campestris		big sagebru meadow ast	er	2 2	4	
Polygonum watsonii		Watson's kr	otweed	4	4	
Site Name	Landform Element Name		Subelement	ERank	PARep	
Crowsnest Pass	Flatirons			1	3	
474 Pakowki Lake Polygonum	<u>Natural Subregion(s)</u> Dry Mixedgrass					
Scientific Element Name (Vascular Pl	lants)	Common N	11112	ERank	PARen	

76 Manyberries Creek	<u>Natural Subregion(s)</u> Mixedgrass			
Scientific Element Name (Vascula	r Plants)	Common Name	ERank	PARep
Puccinellia cusickii		Cusick's salt-meadow grass	3	5
77 Vicary Creek	<u>Natural Subregion(s)</u> Sub-Alpine			
Scientific Element Name (Vertebra	ate Animals)	Common Name	ERank	PARep
Rana pretiosa		spotted frog	4	
Scientific Element Name (Vascula	r Plants)	Common Name	ERank	PARep
Kanunculus uncinatus		hairy buttercup	2	2
178 Savanna Creek	<u>Natural Subregion(s)</u> Montane			
Scientific Element Name (Vertebr	ate Animals)	Common Name	ERank	PARep
Rana pretiosa	an an da an ann an a	spotted frog	4	
479 Galwey Creek	<u>Natural Subregion(s)</u> Foothills Parkland			
Scientific Element Name (Vertebr	ate Animals)	Common Name	ERank	PARep
Rana pipiens Rana pretiosa		northern leopard frog spotted frog	2 	4
481 Glenmore Park	<u>Natural Subregion(s)</u> Foothills Parkland			
Scientific Element Name (Vascula	ar Plants)	Common Name	ERank	PARep
Sisyrinchium septentrionale		pale blue-eyed grass	4	4
482 Calgary Bow River	<u>Natural Subregion(s)</u> Foothills Fescue		·	
Scientific Element Name (Vasculo	ar Plants)	Common Name	ERank	PARep
Sisyrinchium septentrionale		pale blue-eyed grass	4	4
483 Conrich	<u>Natural Subregion(s)</u> Foothills Fescue			
Scientific Element Name (Vascul	ar Pianis)	Common Name	ERunk	PARep
Sisyrinchium septentrionale		pale blue-eyed grass	4	4
<u>484 Kirriemuir</u>	<u>Natural Subregion(s)</u> Northern Fescue			
Scientific Element Name (Vascul	ar Plants)	Common Name	ERank	PARep
Sisyrinchium septentrionale		pale blue-eyed grass	4	4
485 Lessard Lake	<u>Natural Subregion(s)</u> Dry Mixedwood			
Scientific Element Name (Vascul	ar Plants)	Common Name	ERank	PARep
Najas flexilis		slender naiad	3	4

Scientific Element Name (Vascular Plants)	Common Name	ERank	PARep
Najas flexilis	slender naiad	3	4
Sisyrinchium septentrionale	pale blue-eyed grass	4	4

ID Special Feature Polygon Name 485 Lessard Lake Natural Subregion(s) Dry Mixedwood 486 Sage Creek #2 Natural Subregion(s) Dry Mixedgrass ERank PARep Scientific Element Name (Vascular Plants) Common Name Sisyrinchium septentrionale pale blue-eyed grass 4 4 487 Hidden Creek Natural Subregton(s) Sub-Alpine Scientific Element Name (Non-vascular Plants) Common Name F.Rank PARep 4 Pohlia longicolla 4 Vegetation Community Element Name Pinus flexilis alliance 488 Gould Dome Natural Subregion(s) Alpine Sub-Alpine Vegetation Community Element Name Pinus flexilis alliance 489 Cabin Ridge Natural Subregion(s) Sub-Alpine Vegetation Community Element Name Pinus flexilis alliance 490 Beaver Creek Natural Subregion(s) Sub-Alpine Vegetation Community Element Name Pinus flexilis alliance 491 Lac Tremble Natural Subregion(s) Central Parkland Vegetation Community Element Name Festuca hallii alliance Natural Subregion(s) 492 Albert Lake Fescue Central Parkland Vegetation Community Element Name Festuca hallii alliance 493 Torlea Fescue Natural Subregion(s) Central Parkland Vegetation Community Element Name Festuca hallii alliance

494 Viking #3 Fescue	<u>Natural Subregion(s)</u> Central Parkland			
Vegetation Community Element Name				
Festuca hallii alliance				
<u>495</u> <u>Strome</u>	<u>Natural Subregion(s)</u> Central Parkland			
Vegetation Community Element Name Festuca hallii alliance	· · · · · · · · · · · · · · · · · · ·			
<u>496</u> Viking #7 Fescue	<u>Natural Subregion(s)</u> Central Parkland			
Vegetation Community Element Name Festuca hallii alliance				
497 Viking #1 Fescue	<u>Natural Subregion(s)</u> Central Parkland			
Vegetation Community Element Name Festuca hallii alliance				
498 Amisk #3 Fescue	<u>Natural Subregion(s)</u> Central Parkland			
Vegetation Community Element Name				
<u>499</u> <u>Hardisty #8</u>	<u>Natural Subregion(s)</u> Central Parkland			enti Linn di antoni anna an an annan an
Vegetation Community Element Name Festuca hallii alliance				
500 Hardisty #6 Fescue	<u>Natural Subregion(s)</u> Central Parkland			
Scientific Element Name (Vascular Pla	nts)	Common Name	ERa	ank PARep
Oenothera serrulata		shrubby evening-primrose	• 2	5
Vegetation Community Element Name Festuca hallii alliance			•	
501 Amisk Fescue	<u>Natural Subregion(s)</u> Central Parkland			de la defendada en en esta de la degenera
Vegetation Community Element Name Festuca hallii alliance				

ID Special Feature Polygon Name 502 Bruce Lake Natural Subregion(s) Central Parkland Northern Fescue ERank PARep Scientific Element Name (Vertebrate Animals) Common Name 2 Rana pipiens northern leopard frog Vegetation Community Element Name Festuca hallii alliance 503 Salt Lake Natural Subregion(s) Central Parkland Vegetation Community Element Name Festuca hallii alliance 504 Paintearth Natural Subregion(s) Central Parkland Vegetation Community Element Name Festuca hallii alliance 505 Bodo West #2 Natural Subregion(s) Northern Fescue Vegetation Community Element Name Festuca hallii alliance 506 Bodo East Natural Subregion(s) Northern Fescue Vegetation Community Element Name Festuca hallii alliance 507 Watts Lake Fescue Natural Subregion(s) Northern Fescue Vegetation Community Element Name Festuca hallii alliance 508 Bodo Natural Subregion(s) Northern Fescue Vegetation Community Element Name Festuca hallii alliance 509 Hell's Gate Water Gap Natural Subregion(s) Upper Foothills Site Name Landform Element Name Subelement ERank PARep Hell's Gate Area Water Gaps 1 3

ID Special Feature Polygon Name 510 Highland Park Natural Subregion(s) Dry Mixedwood Vegetation Community Element Name Peace River Parkland remnant grasslands 511 Peace River Many Island Natural Subregion(s) Dry Mixedwood Vegetation Community Element Name Peace River Parkland remnant grasslands 512 Grassi Lake Natural Subregion(s) Subalpine Common Name ERank PARep Scientific Element Name (Non-vascular Plants) 4 3 Stegonia pilifera PARep ERank Subelement Site Name Landform Element Name Rock-Shelters Canmore Area 2 Disappearing Streams 2 Canmore Area 513 Burning Sulphur Natural Subregion(s) Central Mixedwood ERank PARep Landform Element Name Subelement Site Name 4 5 Muddy River Area Burning sulphur 514 Hot Pot Natural Subregion(s) Wetland Mixedwood PARep Subelement ERank Site Name Landform Element Name 4 5 Lutose Creek Area Burning gas 517 Bow Valley Natural Subregion(s) Montane Sub-Alpine PARep ERank Common Name Scientific Element Name (Non-vascular Plants) 3 5 **Fissidens** grandifrons Natural Subregion(s) 518 Glenmore Foothills Fescue Foothills Parkland Common Name ERank PARep Scientific Element Name (Non-vascular Plants) 3 5 Fissidens grandifrons 519 Macleod/Moose Creek Natural Subregion(s) Lower Foothills PARep ERank Common Name Scientific Element Name (Non-vascular Plants) 2 5 Fontinalis missourica

520 Edson South	<u>Natural Subregion(s)</u> Lower Foothills	
Scientific Element Name (Non-vaso	cular Plants)	Common Name
Barbula coreensis		
521 Purple Springs South	Natural Subregion(s)	
	Dry Mixedgrass	
Scientific Element Name (Vertehra	te Animals)	Common Name
Bufo cognatus		Great Plains Toad
522 Purple Springs North	<u>Natural Subregion(s)</u>	
	Dry Mixedgrass	
Scientific Element Name (Vertebra	te Animals)	Common Name
Bufo cognatus		Great Plains Toad

523 Lake Newell	<u>Natural Subregion(s)</u> Dry Mixedgrass			
Scientific Element Name (Vertebrate	Animals)	Common Name	ERank	PARep

Scientific Element Name (Vertebrate Animals)	Common Name	ылапк	гакер	
Bufo cognatus	Great Plains Toad	2	5	Press and a local

524 Little Rolling Hills	Natural Subregion(s)
	Dry Mixedgrass

Scientific Element Name (Vertebrate Animals)	Common Name	ERank	PARep
Bufo cognatus	Great Plains Toad	2	5

525 Aetna Natural Subregion(s) Foothills Fescue Foothills Fescue

Scientific Element Name (Vertebrate Animals)	Common Name	ERank	PARep
Lagurus curtatus	sagebrush vole	1	4
Rana pipiens	northern leopard frog	2	4
Scientific Element Name (Vascular Plants)	Common Name	ERank	PARep
Allium geveri	Geyer's onion	3	3
Alopecurus occidentalis	alpine foxtail	2	3
Amaranthus californicus	Californian amarandı	4	5
Camassia guamash var guamash	blue camas	2	4
Oxytropis lagopus var conjugans	hare-footed locoweed	3	4
Populus angustifolia	narrow-leaf cottonwood	2	4

526 Racehorse Creek

<u>Natural Subregion(s)</u> Subalpine

Scientific Element Name (Vertebrate Animals)	Common Name	ERank	PARep
Rana pretiosa	spotted frog	4	

527 Meinsinger Creek

<u>Natural Subregion(s)</u> Foothills Parkland

Scientific Element Name (Vertebrate Animals)	Common Name	ERank	PARep
Rana pretiosa	spotted frog	4	

ERank

4

ERank 2

ERank 2 PARep 5

PARep

5

PARep

528 St. Agnes	<u>Natural Subregion(s)</u> Kazan Upland			
Site Name	Landform Element Name	Subelement	ERank	PARep
St. Agnes Lake Area	Crag-and-Tail		4	4
529 Jenner Springs	<u>Natural Subregion(s)</u> Dry Mixedgrass			
Scientific Element Name (Verte		Common Name northern leopard frog	ERank	PARep

Note: No ERank or PARep available for "Vegetation Communities"

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Table 2. Special Feature Polygons, Selection Factors, Evaluation Scores and Conservation Priority

	· · · · · · · · · · · · · · · · · · ·		Selectior						luation				Priori
<u>ID</u> <u>Sp</u>	ecial Feature Polygon Name	<u>Rare</u>	<u>Outstanding</u>	<u>At Risk</u>	<u>Assemblage</u>	<u>ERank</u>	<u>EnSig</u>	<u>#SE</u>	<u>#SEG</u>	<u>Evol</u>	<u>Threat</u>	<u>PARep</u>	Level
4 We	est Castle	Y	Y		Y	4	4	5	4	5	5	3	4
5 Fro	ont Canyons	Y	Y		Y	4	4	5	3	5	4	2	4
6. Big	g Sagebrush	Y	Y		Y	4	4	5	4	5	4	3	4
7 Ptc	olemy Creek	Y	Y	ad a name and a stand of the Card Card	Y	4	4	5	3	5	4	3	4
8 Be	avermines Valley	Y	Y		Y	4	3	5	3	4	4	3	4
9 Ca	rbondale Valley	Y	y po y na na gran na dona na n		Y	4	2	5	1	5	4	2	4
10 Ly	/nx Creek	Y			Y	4	3	5	3	5	4	3	4
11 Hi	Ilcrest Mountain	Y			Y	4	2	5	2	5	4	3	4
12 Cr	rowsnest River	Y	Y		Y	4	4	5	2	5	4	3	4
13 Pir	ncher Creek South	Y			' Y	4	2	4	2	4	4	3	4
14 Po	ollhaven				Y	2	2	3	1	4	4	2	2
15 Mo	okowan Butte		Y		Y	4	4	4	2	4	4	3	4
16 Su	igarloaf Mountain	Y			Y	4	2	4	1	5	3	3	4
17 Li	vingstone Gap	Y	Y		Y.	3	2	3	3	5	4	4	3
	ateau Mountain Ecological Reserve stension	Y	Y		Y	4	2	5	4	2	3	3	4
19 Pe	kisko	Y	Y	a di antico i lo con contro c	Y	4	3	4	3	4	4	4	4
20 Up	pper Highwood			, , , , , , , , , , , , , , , , , , ,	Y	4	2	4	1	2	3	2	4
21 Sh	neep River	Y		Y	Y	3	2	4	3	3	4	3	3
22 Fo	orgetmenot Mountain		Y		Y	4	3	3	2	3	4	3	4
23 M	oose Mountain	Y	Y		Y	4	3	4	2	2	3	3	4
24 Ca	anmore Corridor/Lac des Arcs		Y		Y	4	2	4	3	4	4	3	4
25 M	It. Lorette	Y			Y	5	4	5	3	2	3	3	5
26 Lo	ower Kananskis River			******	Υ·	4	2	4	2	4	4	3	4
27 Cl	learwater River West	19.00-00.000 Arrows			Y	4	1	4	1	3	3	2	4
28 Ra	am Mountain	Y	aan ah		Y	4	4	5	1	3	3	3	4
29 Ya	a Ha Tinda	Y	Y		Y	4	3	4	2	4	4	3	4
30 K.	ootenay Plains Ecological Reserve Extension				Y	4	2	4	2	4	4	4	4
31 W	/hite Goat Lakes		Y	Υ.	Y	4	3	4	3	4	4	4	4
32 Ca	ardinal Divide Natural Area Extension	Y	Y	Y	. Y	5	3	5	2	2	3	3	5
33 Ca	ardinal River Headwaters	Y			Y	4	4	5	2	2	3	3	4
34 Ca	adomin Cave	Y	Y		. Y	5	4	5	4	2	3	4	5
35 Co	oliseum-Shunda Mountain	Y	Y	Y	Y	4	3	5	3	3	3	3	4
36 Bi	razeau Tufa	Y	Y		Y	4	2	4	3	3	3	4	4
37 A	mbler Mountain/Copton Ridge/Mt. Hamell	Y			Y	5	3	5	2	4	4	4	5
38 K	akwa North	Y	Y		Y	4	2	5	3	3	3	2	4
39 B	lood Timber Limit	Y	Y		Y	4	3	5	2	4	4	3	4
40 B	eauvais Lake Provincial Park Extension	Y			Y	4	2	3	2	4	4	4	4
41 C	rowsnest Mountain		Y		*****	3	3	1	1	5	3	2	3
42 M	ft. Livingstone Natural Area Extension	Y				4	2	2	1	4	4	2	4
43 B	lack Mountain	Y	Y	******	Y	4	4	4	2	4	4	4	4

			Selection				104-an (2-10) (10-10) (2-10) (2-10)		luation				Priority
<u>ID</u>	Special Feature Polygon Name	<u>Rare</u>	<u>Outstanding</u>	<u>At Risk</u>	<u>Assemblage</u>	<u>ERank</u>	<u>EnSig</u>	<u>#SE</u>	<u>#SEG</u>	<u>Evol</u>	<u>Threat</u>	<u>PARep</u>	<u>Level</u>
44	Upper Oldman Rock Cut Terraces		Y			3	3	3	3	4	4	4	3
45	Fisher Creek at Maclean Trail	Y			Y	3	2	3	1	3	4	4	3
46	Fortress Mountain	Y	Y		Y	5	4	4	2	2	3	2	5
47	Ratsnest Cave	Y	Y		Y	3	3	3	2	4	4	2	3
49	Morley Drumlins		Y		, , , , , , , , , , , , , , , , , , ,	1	3	1	1	4	4	4	3
50	Devil's Head Klippe		Y			3	2	1	1	2	3	2	3
51	Lonepine Creek Dendritic Eskers		Y			1	3	1	1	4	5	5	3
52	Baseline Fire Tower	Y				4	3	3	1	3	3	2	4
53	Ram River Falls/Canyon	Y	Y		Y	4	3	3	2	3	3	3	4
54	Bighorn Mountains/South Ram			1	Y	4	2	3	1	3	3	3	4
55	Landslide Lake		Y			3	2	1	1	2	3	1	3
57	Payne-Beaverdam			iyaan ay ayady iyaanay da na darib da ahaad	Y	4	2	3	1	4	4	2	4
58	Police Outpost Provincial Park Extension	Y	te de la cara la construction de la		Y	4	2	4	1	4	4	3	4
59	Whiskey Gap	Y	Y	Y	Y	4	4	5	.3	3	4	4	- 4
60	Del Bonita Uplands/Shanks Lake	Y	Y		Y	5	4	3	2	3	5	5	5
61	Ross Grassland Natural Area Extension	Y				4	4	2	l	3	4	4	4
62	Sweetgrass Hills West (base)		Y	Y	Y	2	4	4	2	5	5	4	4
63	Sweetgrass Hills East		Y	anaraanaanarar (adari).	. Y	4	4	3	2	5	5	3	4
64	Willow Creek		Y	naanaan ah		4	2	3	2	3	5	4	4
65	Water Valley	Y			Y	4	2	3	2	4	4	4	- 4
66	Airdrie Murdlins		Y			4	3	1	1	3	4	5	4
68	Milk River Valley - Pinhorn	Y	Y	Y	Y	4	4	5	4	5	3	4	4
69	Lost River	Y	Y	n ha a dhe wate de bedre tradició d'Albardo e Po	·Y	5	4	5	4	5	3	5	. 5
70	Manyberries Creek Badlands		Y	a da para da de ante da ante canto contra con	Y	3	4	4	4	5	5	4	4
71	Pakowki Dunes	Y	Y	Y	Y	4	4	5	3	5	3	5	4
72	City of Lethbridge and area	Y	Y	Y	Y	3	3	5	3	3	5	5	3
73	Brockett		Y		****	3	3	3	2	3	3	4	3
74	Hilda Sand Dunes	Y			Y	4	2	4	1	5	3	4	4
75	Middle Sand Hills	Y	Y	Y	Y	5	4	5	3	5	3	4	5
76	Dune Point	Y	Y		Y	3	4	4	4	5	3	4	4
77	Wildhorse #1	Y	. Y	Y	Y	4	4	4	3	5	3	4	4
78	Black Butte	Y	Y			4	4	. 1	l	3	5	5	4
80	Verdigris Coulee		Y	Y		Э	4	2	2	5	3	5	4
81	Reed Lake	•			Y	3	2	4	2	3	4	4	
82	Glenwood Erratic		Y			1	3	1	1	3	4	4	3
83	St. Mary River Incised Meanders		Ŷ			1	3	1	- 1	3	4	3	3
	-		Y			1	3	1	1	3	5	5	3
84 85	Mud Butte Neutral Hills		Y			1	3	1 1	1 1	3	5	5	3
85		v			S	4	3	3	2	3	5	5	
86	Craigmyle/Clear Lake/Victoria Lake	Y	Y			4	3	3 1	2 1	3 4	5	5	4 3
87	Mudspring Lake Soapholes	v	Y	Y	V	3	3	4	1 3	4	5 5	5	3
88	Drumheller Badlands	Y	Y	I	Y								
90	Horseshoe Lake	Y	Y			2	2	2	2	4	5	5	2

				n Factor(an a		n ~		luation			n (-	Prior
	<u>cial Feature Polygon Name</u>	<u>Rare</u>	<u>Outstanding</u>		<u>Assemblage</u>			<u>#SE</u>	<u>#SEG</u>			<u>PARep</u>	<u>Leve</u>
92 Ribs	stone Creek	Y		Y	Y	4	2	4	4	4	5	4	4
93 Fab	yan			Y	Y	3	2	4	2	4	5	5	4
94 Dav	rid Lake Ecological Reserve Extension	Y			Y	3	2	3	1	1	5	1	3
95 Refl	lex Lake/Salt Springs	Y	Y		-	3	4	3	2	4	5	.5	4
96 Edg	gerton Landslide		Y	9 mm 22 mm - 1 - 1 2 M - 2		1	3	1	1	4	5	3	3
97 Edg	gerton Dunes		Y			4	3 ·	2	1	4	5	5	4
98 Llog	ydminster Crevasse Fillings	****************	Y			1	3	1	1	4	5	4	3
99 Kin	isella Tufa and Ice-walled Channel	0.000.0000000000	Y			1	3	2	1	4	5	5	3
100 Oliv	va Lake		Y			1	3	2	1	4	5	5	3
101 Drie	edmeat Lake	Y	Y			4	2	2	1	4	5	5 [.]	4
102 Coa	al Lake		Y			3	2	1	1	4	5	5	3
103 Jacl	knife Springs		Y	an a	a ang pangang pangang panganan ang panganan ang panganan kana panganan kana panganan kana panganan kana pangan	1	3	1		3	4	4	3
	qua Lake	Y			Y	3	3	3	1	2	3	5	3
	meo Beach/Pigeon Lake	· Y		******	Ŷ	4	3	4	-	- 2	- 4	4	4
	moton Ravines	Ŷ			Y	4	2	5	2	4	5	4	4
	t Saskatchewan	Ŷ			Ŷ	4	4	5	- 2	4	5	4	Z
	ickfoot Reserve	Y	Y		Ŷ	4	3	5	2 3	2	4	4	- 2
	c St. Anne North	ı Y	,		Y	ч 4	2	5	2	2	4	4	
						4	2	4	2	2	4	5	-
	e Creek	Y		ter galet i galan fan gebe	Y							al algorith age age age at the state of grant at a	
• ••••••	ndfall Creek				Y	4	2	4	2	3	4	4	۷
	ioke Lake	Y	Y		Y	4	2	4	3	3	4	4	4
	ose Mountain Ecological Reserve Extension	Y			Υ	4	2	5	2	3	4	. 4	4
114 Wu	Jf Lake		Y	ant a discourse of the second	Y	3	3	4	3	2	3	4	
116 Crc	ow Lake Extension	Y	*****		Y	4	2	4	1	2	3	4	4
118 Gre	egoire Lake Provincial Park Extension				Y	2	1	3	2	2	3	4	
120 Ca	meron Hills	Y	Y		Y	4	4	4	2	4	3	4	4
121 Car	ribou Mountains (Yates River)	Y	,		Y	4	3	3	1	4	3	5	4
122 Thi	istle Creek-Brazeau Bluehole Springs		Y			4	З	1	1	3	3	4	-
123 Th	under Lake Eskers		Y			1	3	1	1	3	• 3	4	
124 Gra	assy Mountain Nordegg	Y			Y	5	4	4	1	3	3	4	
125 Mc	cGregor Lake		Y		Y	4	3	3	2	3	3	3	4
126 Ste	evens Creek	Y			Y	3	3	3 .	1	3	3	3	
127 Sh	unda Water Gap	~~~~	Y			1	4	1	1	3	3	3	•
129 Me	ercoal				Y	2	1	4	1	3	3	3	
130 Su	ndance Hoodoos		Y			1	3	1	1	3	4	2	
	enessee Bridge	www.co.co.ch.ch.ch.ch.ch			Y	4	3	4		2	4	4	4
	lini Creek	Y	Y		Y	4	3	4	3	2	4	3	
	urgeon River Delta	•	Ŷ		-	1	3	1	1	- 4	5	3	
	old Lake Baymouth Bars	Y	Y			4	3	1	1	2	3	5	•
		1	Y				2	1	1	2	4	5	
	uriel Lake hill/hole pair					1	2			2	147.147.27.147.27.27.27.27.27.47.49.47.	3	
	kan Bog Iron Springs		Y	47.07.07.07.07.07.02.00.04.04.04.04.04		-		1	1		4		2
138 WI	hitefish Lake Rubble Terrain		Y			1	3	1	<u>,</u> 1	2	4	5	3
139 MI	uddy Creek/Nose Mountain	Ŷ				3	4	2	1	3	3	4	-

		[Selectio		Priority								
<u>ID</u> <u>Spe</u>	ecial Feature Polygon Name	<u>Rare</u>			<u>Assemblage</u>	<u>ERank</u>	<u>EnSig</u>	<u>#SE</u>	uluation <u>#SEG</u>			<u>PARep</u>	<u>Level</u>
139 Mu	uddy Creek/Nose Mountain	Y				5	4	2	. 1	3	3	4	5
140 Cal	lahoo Creek Warm Springs	waa aadhahada 20 daara	Y			4	2	1	1	2	3	4	4
141 Sw	eathouse Fire Tower	Y			Y	4	3	1	2	3	1	1	1
142 Sw	an River	Y			Y	3	2	3	2	3	3	5	3
143 Ath	nabasca Flutings		Y			3	3	1	1	2	4	5	3
144 Isla	and Lake		Y			4	2	1	1	2	4	5	4
145 Bo	urque Lake Tunnel Lake		Y			3	2	.1	1	2	3	5	3
146 Wa	appau Lake		Y			3	2	1	1	2	3	3	3
147 Pel	lican Lake Wetland		Y	a han an da an a' da an da an da an da an		1	3	1	1	2	3	5	3
148 Ma	arten Mountain Ribbed Fen		Y			1	2	1	1	3	4	4	2
149 Les	sser Slave Lake Provincial Park Extension		Y			1	3	1	1	2	4	4	3
150 Mc	Lennan Sloping Fens		Υ.			4	2	1	1	2	4	5	4
151 Lit	tle Smoky Landslide		Y			1	2	1	1	2	4	3	2
153 Be	ar River Sandhills		Y		al an 18 an Inger an an Inger an an Inger an Anger an Ang	1	3	1	1	2	4	4	3
154 Ch	erry Point Earth Flows		Y			4	3	1	1	2	4	5	4
155 Ry	croft Earth Slide	*****	Y	ar nyaéta ang Janung Janung (Janung (J		1	3	1	1	2	4	5	3
156 Fai	irview Marl Lake		Y	Y		3	2	2	2	5	5	3	3
157 Mo	ontaganeuse River Earth Slide		Y			1	4	. 1	1	2	4	5	4
159 Mı	uskeg River Bog		· Y			1	3	l	1	2	3	5	3
161 Al	gar Bog		Υ·			1	3	1	1	2	3	5	3
162 Clo	earwater Patterned Fen		Y			3	3	1	1	2	• 3	5	3
164 WI	hitemud Falls Ecological Reserve Extension	Y	Y			4	3 '	2	2	2	3	4	4
165 Mi	uskeg Mountain Channel Fens	an e senen ar en ta sude e rea	Y			1	3	1	1	2	3	5	3
166 Ch	nelsea Creek Flutings		Y			1	4	1	1	2	3	4	4
167 Ell	Is River Incised Meanders		Y			1	3	1	l	2	3	3	3
168 M:	ackay River Incised Meanders		Y			1	3	1	1	2	3	5	3
169 Fo	ort Hills		Y		Y	5	3	3	2	2	3	4	5
170 Ha	awk Hills Slope Fens		Y			4	З	1	1	2	4	5	4
171 W	olverine River Sand Hills	Y	Y			4	3	1	1	2	4	5	4
172 La	aCrete Sand Hills	Y	Y	- 50 m 20 m		4	4	2	1	2	4	5	4
173 M	ikkwa River Wooded Bog		Y			1	3	1	1	4	2	5	3
174 Al	lice Creek		Y			4	3	2	1	4	2	5	4
175 M	cLelland Lake Sinkholes		Y			1	2	1	1	2	3	1	2
176 Ro	onald Lake Sandhills	Y	Y		*****	4	3	2	1	2	3	4	4
177 Ve	ermilion Chutes		Y			1	3	1	. 1	2	4	4	3 .
178 Fc	ort Vermilion Sandhills		Y			3	4	1	1	2	.4	5	4
179 Za	ama Lakes		Y			4	3	1	l	2	2	5	4
180 Ha	ay Lake Thermokarst Lake		Y			. 4	3	1	1	2	2	5	4
182 Za	ama City Patterned Fen		Y			3	2	1	1	2	2	3	3
183 In	idian Cabins Peat Plateaux		Y			1	3	1	1	2	2	5	3
184 Bi	istcho Lake Peat Plateaux		Y	******		1	3	1	1	4	2	5	3
186 R	ichardson River	Y	Y		Y	5	4	4	2	5	3	4	5
188 W	/ylie Lake	Ŷ			Ŷ	4	3	4	2	2	1	4	4

		Selection	n Factor(s)			Eva	luation	Scores	, , ,		Priority
ID Special Feature Polygon Name	<u>Rare</u>	<u>Outstanding</u>	<u>At Risk</u>	<u>Assemblage</u>	<u>ERank</u>	<u>EnSig</u>	<u>#SE</u>	<u>#SEG</u>	<u>Evol</u>	<u>Threat</u>	<u>PARep</u>	<u>Level</u>
190 Andrew Lake	Y	Y		Y	4	3	5	3	2	1	4	4
191 Slave River Islands	Y	Y		Y	2	3	3	3	2	2	5	3
192 Fort Smith (Slave River Rapids)	Y	Y		Y	1	4	1	3	2	2	5	1
193 Audet Lake Patterned Fens		Y			1	2.	1	1	2	3	4	2
194 Richardson/Marguerite Rivers Dissected Kam	e	Y			1	3	1	1	2	3	5	3
197 Lake Athabasca South Shore		Y			1	3	1	1	5	2	1	3
202 Leland Lake/Tulip Lake	Y	Y			5	3	3 ·	2	2	1	5	5
205 Many Island Lake		Y			4	3	3	3	5	3	4	4
206 Beaverhills Lake	Y	Y		Y	4	5	3	1	4	5	5	5
207 Sounding Lake	Y	Y			3	4	3	2	4	5	5	4
208 Killarney Lake		Y			3	4	1	1	4	5	3	4
209 Buffalo Lake	Y	Y	•••••••••••••••••••••••••••••••••••••••	Y	4	4	4	3	4	5	4	4
211 Pakowki Lake	Y	Y		Y	4	4	3	2	5	3	5	4
213 Chappice Lake		Y			3	3	2	2	5	3	5	3
214 Namaka Lake	Y	Y			3	3	2	1	3	5	5	3
215 Grassy Island Lake	an a	Y			3	3	1	1	3	5	3	3
216 Gooseberry Lake	Y		Y	*****	3	3	3	2	3	. 5	5	3.
218 Sunken Lake	Y			1999 - Andrew Constanting and a second s	3	2	2	1	4	5	5	3
220 Gillespie Lake		Y	-		3	2	1	1	4	5	3	3
221 Baxter Lake	Y	Y			4	2	2	1	4	5	5	4
223 Bittern Lake	Y				4	2	2	l	4	5	5	. 4
224 Kimiwan Lake		Y		9 1 (9 1 () 1 (4	4	1	1	2	4	3	4
228 Belly River		Y		Y	3	4	3	3	. 3	5	4	4
229 St. Mary's River Cottonwood Forests	Y	Y		Y	3	3	4	3	3	4	4	3
230 Bow River Cottonwood Forests	Y	Y		Y	3 ·	3	3	3	3	5	4	3
231 Lower Red Deer River	Y	Y	Y	Y	4	2	5	5	5	3	4	4
236 Cypress Hills		Y	Y	Y	2	4	4	3	4	5	4	4
240 Bain Bluff		Y			2	2	2	2	5	3	4	• 2
241 Vauxhall	Y				- 4	2	2	1	5	3	4	4
242 Driftwood Bend Megablock		Y			3	3	1	1	5	3	5	3
243 Turin Dunes	Y	Y		Y	4	. 4	3	1	5	5	5	4
244 Kipp Megablock		Y		Y	3	4	4	3	3	5	5	4
247 Okotoks Erratic		Y			1	5	1	1	4	4	4	5
248 Cavendish	Y	enere a contra contr E			4	2	1	1	5	3	5	4
249 Thordason Creek	Y				3	2	3	1	3	4	4	3
250 Pearce	Y			na gana mang pang pang pang pang pang pang pang p	4	2	1	1	3	5	4	4
251 Clear Hills	-	Y			2	4	3	• 2	3	4	4	4
252 Wapiabi Cave		Y			3	2	2	2	3	3	4	3
253 Moose Point	rationalataolan manikation	Y			3	3	1	1	5	2	4	3
254 Mackay River Palsa	Y	Ŷ			5	3	1	1	2	3	5	5
255 Ft. Chipewyan	-	Y	1	94949999999999999999999999999999999999	1	3	1	1	2	1	5	3
256 Charles Lake		Ŷ			3	3	-	1	2	-	· - 5	3
257 Crowsnest Volcanics	Ŷ	· Y	م رومین و میروند (میروند) اور میروند و اور اور اور اور اور اور اور اور اور ا	· Y	4	3	Э	2	- 5	4	5	4
	•	-	albarardan faranararaa	-	- 		•••••••••••••		-		-	

			Selection Factor(s)					Eva	luation	Priority			
ID Spe	cial Feature Polygon Name	Rare			Assemblage	<u>ERank</u>	<u>EnSig</u>	<u>#SE</u>	<u>#SEG</u>		<u>Threat</u>	<u>PARep</u>	<u>Level</u>
257 Cro	wsnest Volcanics	Y	Y		Y	4	3	3	2	5	4	5	4
258 Ma	Butte	Y	****	40.0000 (0.000 (0.000 (0.000 (0.000 (0.000 (0.000 (0.000 (0.000 (0.000 (0.000 (0.000 (0.000 (0.000 (0.000 (0.000		4	3	1	1	5	3	5	4
259 Goo	oscquill Lake	Y	**********			2	2	1	1	1	5	5	2
260 Old	man River	Y	Y		Y	4	3	5	4	3	5	4	4
261 Red	I Deer Lake	Y				2	1	1	1	4	5	5	2
263 Keh	no Lake	Y				3	3	3	2	3	5	4	3
264 St. I	Mary River and Reservoir	Y	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	an an the second se		3	3	2	1	3	4	5	3
265 Litt	lc Fish Lake	Y				2	3	1	1	3	5	5	3
266 Han	idhills Lake	Y	Y		an ann an ann ann ann ann ann ann ann a	2	3	1	1	3	5	5	3
267 Cha	ain & Dowling Lakes	Y	**********	Y	-	4	3	2	2	3	5	5	4
268 Spie	ers Lake	Y	, , , , , , , , , , , , , , , , , , ,			2	2	l	1	3	5	5	2
269 Mic	quelon Lake	a an	Y		a aanaa aanaanataa ahaa ta'a tarabaa	4	3	2	1	2	4	4	4
271 Mu	riel Lake	Y				2	1	1	1	2	4	5	2
272 Biro	ch Lake	Y				4	3	l	1	4	5	5	4
273 Jun	ction Lake	Y				2	1	l	1	4	5	5	2
274 Gre	enlee Lake	Y	Y			3	2	2	1	4	5	5	3
275 Fos	ter Lake	Y				2	1	1	1	4	5	5	2
276 Pip	er Lake	Y			*****	2	2	1	1	4	5	5	2
277 Met	tiskow Lake	Y				.3	2	2	1	4	5	5	3
278 Nei	utral Hills #1	Y				2	1	1	1	3	5	5	2
279 Nei	utral Hills #4	Y		*****		2	1	1	1	3	5	5	2
281 Red	1 Deer #2	Y				2	2	1	1	4	5	4	2
282 Rec	H Deer #3	Y	*****			2	2	1	1	3	5	4	2
284 Bov	w River (E of San Francisco) #5	Y		Y	Y	4	2	4	2	5	3	4	4
	dcliff West		Y	Y		1	3	2	1	5	3	4	3
286 Eag	gle Butte		Y	Y		2	3	1	1	4	5	4	3
	nynook			Y		3	2	1	1	5	3	4	3
288 Doi	rothy			Y		3	2	1	1	5	5	4	3
289 Ric	chdale	*****		Y		3	2	1	1	5	3	4	3
anatana ana ana kata di katabah	rry Creek			Y		3	2	1	1	5	3	4	3
	McMurray		Y			2	2	1	1	2	3	3	2
	ffield South	Y			Y	4	4 [.]	5	3	5	3	5	4
	ուշ՝ Springs		Y	Y		2	З	2	2	5	3	3	3
	w Island		Y			2	3	1	1	5	3	4	3
	irgaret Lake	Y			Y	3	3	4	· - 2	4	- 2	5	3
	usana Canyon	•	Y		- 	3	3	1	-	4	5	4	3
	eskun Hills	Y	-	Y	Y	4	4	4	3	5	5	4	4
	nd Hills	.	Ý	Y	Y	3	5	3	4	3	5	4	· 5
	rcupine Hills	Y	•	Y	Y	4	2	4	5	4	4	3	4
	wman volcanics	1	Y	1		4	2	4 2	2	4 5	3	5	4
	rrow Lake	Y	1			4 5	3 4	2	2	2	3 1	5	4 5
		-		9497370 (Kanada)		· 3	4 2	2	1 1	2	1 2	4	3
	een River gus Meadow	Y Y	and the state of t			· 3 3	2 3	1	1 1	2	2	4 5	3

	<u>Special Feature Polygon Name</u> Sand Point	Selection Factor(s)											Priori
		<u>Rare</u>	Outstandir	ng <u>At Risk</u>	Issemblage	<u>ERank</u>	<u>EnSig</u>	<u>#SE</u> <u>#SEG</u> <u>Evol</u> <u>Threa</u>				<u>PARep</u>	<u>Level</u>
		Y			Y	4	3	4	2	5	- 2	4	4
307	La Saline West	Y	enne entretonne in 1200 in energie in der et			4	3	1	1	2	3	4	4
308	Tar Island	Y		4.4.4.4.4.4.4.4.4.4.4.4.4.4.4.4.4.4.4.		3	2	1	1	2	3	5	3
309	Beaver River	. Y				3	2	1	1	2	3	5	3
310	Gravina Creek	Y				4	2	1	1	3	4	5	4
311	Notikewin	Y				3	3	2	1	2	4	5	3
312	Chinchaga River	Y				4	2	1	1	3	4	5	4
313	Hotchkiss Airfield	Y				3	2	2	1	3	1	5	3
314	Halverson River	Y			na y myyr ryy yn nyf mae'r dynar y ar arf a yn raef a g	3	2	2	1	3	4	5	3
315	Hamlin Creek	Y				4	3	1	1	2	4	5	4
316	Dunvegan	Y		Y		3	3	3	2	2	4	5	3
317	Peace River Parkland			Y		3	3	3	2	5	5	4	3
318	Ft. McMurray West	Y				5	4	1	1	2	3	5	5
319	Clearwater River Spring	Y	****			3	3	2	l	2	3	5	3
320	Marie Lake	Y	*****			3	2	1	1	2	3.	5	3
321	Cold Lake	Y				3	3	2	2	2	3	5	· 3
322	Sand River	Y			an mana an ta' a taon at ann a' an taonna tao amamat	3	2	l	1	2	4	5	3
323	Goodwin Lake	Y				3	2	2	1	2	3	4	3
324	Sakwatanau River	Y				3	2	1	1	3	4	5	3
325	Lower Sakwatanau River	Y				3	2	2	1	3	4 ·	5	3
326	Whitecourt	Y				3	2	1	1	2	3	5	3
327	Marshead Creek	Y				3	2	1	1.	3 .	4	4	3
328	Two Creek	Y				4	2	1	1	3	1	5	4
329	Smoky-Kakwa	Y		•		3	3	1	1	3	4	5	3
330	Simonette Tower	Y				3	3	1	1	3	4	5	3
331	Muddy Creek	Y				3	2	1	1	3	4	4	3
332	Grande Prairie Parkland			Y		3	2	1	1	5	5	4	3
333	Dunvegan Parkland			v	en la constante desimini di si serendi si transmitare	3	2	1	1	2	1	1	3
334	Ft. Vermilion Parkland			Y		3	2	1	1	2	4	4	3
335	Jean D'Or Parkland		Y	Y		3	3	1	1	2	4	4	3
336	Mumm Creek	Y				4	2	3	1	3	3 ·	4	4
337	Brule Lake	· Y			Y	4	3	4	4	4	4	4	4
338	Chip Lakc	·Y				3	2	1	1	3	4	5	3
339	Horne	Y				4	3	1	1	. 2	4	5	4
340	Thunder Lake	Ŷ			a da anti-antar a state de la casa de la dela de la dela dela dela dela d	3	3	2	2	2	4	5	3
	Barrhead	Y				3	2	2	2	2	4	4	3
	Manola	Y			allana an	3	2	1	1	2	4	5	3
	Lisburne	Y	4.0.7.000.20030.0000000000000000000000000			4	2	1	1	2	4	5	4
	Gunn	Y	an aa amaa ahaa daa daha dahaa shirta dahaa shirta dhada			3	2	1	1	2	4	5	3
	Noyes Crossing	Ŷ	ana an			- 3	2	2	2	2	4	5	3
	Moonlight Bay	Y	lanaan lilalad karlana dinad			4	3	3	2	2	4	5	4
	Fallis	Y				3	3	2	2	2	4	5	3
	Scha	Y	downer where the best the Wittenberg					- З	•		19 Sec. 9 States and she have been	• 4	· 3

			Selection	n Factor(s)			Eva	luation	Scores			Priority
ID	Special Feature Polygon Name	Rare		<u>At Risk</u> <u>Assemblage</u>	<u>ERank</u>	<u>EnSig</u>	<u>#SE</u>	<u>#SEG</u>	Evol	<u>Threat</u>	<u>PARep</u>	<u>Level</u>
49	Opal	Y			3	2	2	1	2	4	4	3
50	Little Mountain (Edmonton)	Y			3	2	1	1	4	. 5	5	3
51	Moose Hills Lake	. Y			3	2	1	1	2	1	5	3
52	Elk Point	Y			3	2	1	1	2	4	5	3
54	Hind Lake			Y	3	2	1	1	4	5	3	3
355	McLaughlin			Y	3	3	l	1	4	5	3	3
356	Rough Lake Fescue	Y		Y	4	3	3	2	4	5	.3	4
557	Black Creek	Y			4	2	1	1	4	5	5	4
358	Hardisty 5			Y	3	2	1	1	4	5	3	3
361	Minburn			Y	3	1	1	1	4	5	3	3
362	Ribstone Fescue			\mathbf{Y}	3	3	1	1	4	5	3	3
363	Blackmud Creek	Y			3	2	1	1	4	5	5	3
364	Camrose Fescue	5 f. y. 5 yr y 10 m 10		Y	3	2	1	1	4	5	3	3
365	Whitemud Creek	Y			3	2	2	1	4	5	4	3
366	Devonian Gardens North	Y			4	3	1	1	4	5	5	4
367	Strawberry Creek	Y			4	2	1	1	2	4	5	4
368	Pembina River	Y		******	3	2	1	1	3	3	4	3
369	Brown Creek	Y			4	3	1	1	3	3	4	4
370		Ŷ	90 y - y y		. 4	2	1	1	3	3	4	4
371	Prentice Creek West	Y			4	2	1	1	3	4	5	4
372		Y			3	2	1	1	4	5	4	3
373	Ghostpine			Y	3	1	1	1	4	5	3	3
374			n n ann an	,	Э	1	1	1	4		3	3
375	Donalda Fescue	an da antara ang ang ang ang ang ang ang ang ang an		Y	3	2	1	1	4	5	3	3
377				Y	3	2	1	1	3	5	3	3
378				Y	3	2	1	1	4	5	3 .	3
380				Y	3	2	1	1	4	5	3	3
	Bodo West			Y	3	2	1	1	3	5	3	3
382	New Brigden Fescue		Y	Ŷ	3	4	1	1	5	5	3	4
383				Y	3	1	1	1	3	5	3	3
384				Y	3	2	1	1	3	5	3	3
385		Y			4	3	1	1	3	5	5	4
386		Ŷ			4	3	1	1	5	3	4	4
387				Y	3	4	1	1	3	5	3	4
388		•		Y	3	1	1	1	3	5	3	3
389		Y		name in monitori (h. 2014). A la dela dela dela dela dela dela dela d	4	3	1	1	4	5	4 .	4
390		Ŷ			4	2	1	1	2	3	4	4
391		Ŷ			4	2	1	1	2	3	4	4
392		Ŷ		- 	4	3	1	1	3	4	4	4
393		Ŷ			4	2	1	1	3	4	4	4
39.		Y			4	2	3	2	4	4	3	4
a an	5 Phantom Crag	Y			3	2	1	1	3	3	4	3
	6 Cochrane	У			3	-	- 1	1	4	4	4	Э

				n Factor(and the second sec				luation	~~~~~~			Priority
<u>ID</u>	Special Feature Polygon Name	<u>Rare</u>	<u>Outstanding</u>	<u>At Risk</u>	<u>Assemblage</u>	<u>ERank</u>		<u>#SE</u>	<u>#SEG</u>		<u>Threat</u>	<u>PARep</u>	<u>Level</u>
397	Bragg Creek	Y				3	2	3	1	3	4	3	3
398	Robinson Hill	Y				4	2	2	1	3	4	4	4
399	Priddis	Ŷ			*	З	2	2	2	4	4	5	3
400	Calgary	Y			Y	4	2	5	3	4	4	3	4
401	Wintering Hills Fescue			Y		3	. 2	1	1	3	5	3	3
402	Bull Pound Creek	Y		97 9 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4		3	2	1	1	5	3	5	3
403	Finnegan	Y	****		******	3	2	1	1	5	3	5	3
404	Patricia	Ŷ				Э	2	2	1	5	3	5	3
407	Drowning Ford	Y	Y	Y	Y	4	3	4	2	5	3	4	4
408	Bow City East	Y				3	3	l	1	5	3	5	3
	Harrington	Y			an an air an	4	2	1	1	3	5	5	4
	High River	Y				4	2	2	2	3	4	4	4
	Livingstone Falls	Ŷ				3	2	2	1	2	3	5	3
412	Chain Lakes			Y		3	2	1	1	4	4	4	3
414	Chapel Butte		Y	Ŷ		3	3	1	1	4	4	4	3
415	Big Coulce			Y		3	2	1	1	4	4	4	3
416	Willow Creek Little Bluestem		Ý			4	3	2	2	3	5	5	4
417	Little Bow	Y	-			3	2	3	1	5	3	4	3
418	Cranford	Ŷ				3	3	1	1	5	3	5	3
	Coaldale	Ŷ			anan konserva in tanı 10000 da ar forma	- 3	2	1	1	3	5	5	3
419		ı Y	•			3	2	2	2	5	3	5	3
420	Grand Forks	Y		(a ()-0 est 10() -10()()-111()	Y	3	3	5	- 2	- 5	- 3	5	3
421	Medicine Hat West	ı Y	6.991.099.000		••••••••••••••••••••••••••••••••••••••	3	2	2	2	5	3		3
422	Redcliff NW		anna a cogannigoli, a a sia à Malana And			3	2	-	- 1	4	4	3	3
423	Elkwater Lake West	Y	****		V			*****	1	3	5	4	4
426	Buffalo Trail Lake	Y			Y	4	2	4	י 1	5	3	4	4
427	Bare Creek	Y			Y	4		·····			,.,,		
428	Sage Creek #3	Y				. 3	3	1	1	5	3	5	3
429	Craigower	Ŷ			an a	4	2	2	2	5	3	4	4
430	Pinhorn Yucca	Y				3	3	2	2	5	3	5	3
431	Philip Coulee	Y				3	2	1	1	5	3	4	3
432	Manyberries	Y				4	2	1	1	5	3	4	4
433	Foremost	Y		*****		3	2	1	1	5	3	4	3
434	Milk River Town	Ŷ			٢	4	2	З	2	3	5	4	4
435	Pothole Creek	Y				3	2	1	1	3	5	4	3
436	Beaverdam Lake SE	Y				4	2	2	1	4	4	4	4
437	Carway	Y	Y			3	4	1	1	3	4	4	4
438	Burmis			· Y		3	2	1	1	4	4	4	3
439	Con Creek	Y				3	3	1	1	2	3	5	3
440	Ft. McMurray Northeast	Y				4	3	1	1	2	3	4	4
44Ì	Inglis Island	·Y	ngganan anankan ana kana kana kana kana			3	2	1	1	2	3	5	3
442	Ft. McMurray City	Y				4	2	1	1	2	3	5	4
443		Y				3	2	l	l	5	3	5	3
	Hilda North			Ŷ		Z	Z	1	1	5	3	5	2

ID	Special Feature Polygon Name	Rare	a search and the second second second second second	n Factor <u>At Risk</u>	Assemblage	<u>ERank</u>	<u>EnSig</u>		luation <u>#SEG</u>		<u>Threat</u>	<u>PARep</u>	Pri <u>Le</u>
445	Empress hibernacula		Y	Y		2	3	2	1	5	3	4	2
446	Sage Creek #1	Y		Y	Ý	5	4	5	2	5	3	4	
117	Wildhorse #2	V		Y		3	3	1	1	5	3	5	*****
448	Hoople Lake	Y		ng attempte de de telefoit (minist		4	3	1	1	3	4	5	
449	Wabasca River	Y		landaine an de anne an tean d'han d'han		4	2	1	1	2	3	5	chreckinth
450	Diamond City	Y				3	2	1	1	3	5	5	
451	Scotford	Y			,	3	3	1	1	4	5	5	
452	Goat Creck	Y				3	2	2	1	2	3	4	
453	Cloudy Ridge	Y				4.	3	2	1	4	4	5	
454	Halfway Lake	Y	ar 1956 an fair an ann an			4	2	1	1	2	4	4	1999 M
455	Wakomao Lake	Y			Y	4	2	4	1	2	4	3	
456	Pincher Creek	Y		,	Y	3	2	3	1	3	4	4	
457	Bob Creek	Y			alaan ah uu dhalaan ah dhalaan ah	4	4	1	1	4	4	3	
458	Coleman	Y			Y	4	2	4	1	5	3	3	
459	Akasu Lake	Y				4	2	1	1	4	5	5	
460	Albert Lake	Y				4	1	1	1	4	5	5	
461	Cutbank Creek	Y				5	4	1	1	5	3	5	
462	Namur Lake	Y				4	2	1	1	2	3	5	
463	Snipe Creek	Y				4	2	1	1	2	3	5	
464	Utikuma Lake	Y				4	4	1	1	2	3	5	
465	Pelican Lake	Y				. 4	3	1	1	2	3	5	
466	Door Jam	Y				4	4	1	1	4	4	4	
467	Rossington	Y				1	1	1	1	2	4	4	
468	Manola #2	Y				4	4	1	1	2	4	4	
469	Namao	Y				4	4	1	1	4	5	4	
470	Astotin Creek	Y				4	4	1	1	4	5	4	
471	Clover Bar	Y			Y	4	4	3	2	4	5	4	
472	Lea Park	Y				1	1	1	1	4	5	1	
473	Grassy Mountain Crowsnest	Y			Y	4	2	3	2	5	4	4	
474	Pakowki Lake Polygonum	Y				4	2	1	1	5	3	4	
476	Manyberries Creek	Y				3	3	1	1	3	5	5	
477	Vicary Creek	Y				4	2	2	2	5	3	3	
478	Savanna Creek	Y				1	2	1	1	1	1	3	
479	Galwey Creek	Y		Y		4	2	2	1	4	4	4	
481	Glenmore Park	Y	•		•	4	2	1	1	4	4	. 4	
482	2 Calgary Bow River	Y				4	2	1	1	3	4	4	
483	3 Conrich	Y			-	. 4	2	1	1	3	4	4	
484	Kirriemuir	Ŷ				4	2	1	1	3	5	4	
485	5 Lessard Lake	Y				4	2	2	1	2	4	4	
486	5 Sage Creek #2	Y				4	2	1	1	5	3	4	
487	7 Hidden Creek	Y		Y		4	2	2	2	5	3	4	- 000000
488	3 Gould Dome			Y		3	2	1	1	5	3	4	
480	ə Cabin Ridge		******	Y		З	2	1	1	2	3	4	

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			Select	ion Factor(s)				Evc	luation	Scores			Priority
<u>ID</u>	Special Feature Polygon Name	<u>Rare</u>		ng <u>At Risk</u> <u>As</u> .	semblage	<u>ERank</u>	<u>EnSig</u>	<u>#SE</u>	<u>#SEG</u>	<u>Evol</u>	<u>Threat</u>	<u>PARep</u>	<u>Level</u>
190	Beaver Creek			Y		3	2	1	1	2	3	4	3
191	Lac Tremble			Y		3	2	1	1	4	5	3	3
192	Albert Lake Fescue			Y		3	2	1	1	1	5	3	3
193	Torlea Fescue			Y		3	3	1	1	4	5	4	3
194	Viking #3 Fescue			Y		3	3	1	1	4	5	4	3
195	Strome			Y		3	3	1	1	4	5	4	3
196	Viking #2 Fescue			Y .		3	3	1	1	4	5	4	3
1 97	Viking #1 Fescue			Y		3	3	1	1	4	5	4	3
498	Amisk #3 Fescue			Y		3	2	1	1	4	5	3	3
499	Hardisty #8			Y		3	2	1	1	4	5	3	3 ·
500	Hardisty #6 Fescue		-	Ý		3	3	2	2	4	5	5	3
501	Amisk Fescue			Y		3	2	1	1	4	5	3	3
502	Bruce Lake	ala an		Y		3	2	2	2	4	5	3	3
503	Salt Lake			Y		3	2	1	. 1	4	5	3	3
504	Paintearth			Y		3	2	1	1	4	5	3	3
505	Bodo West #2			Y .		3	2	1	1	3	5	3	3
506	Bodo East			Y		3	2	1	1	3	5	3	3
507	Watts Lake Fescue			Y	*********	3	2	1	, 1	3	. 5	3	3
508	Bodo			Y		3	4	1	1	3	5	3	4
509	Hell's Gate Water Gap		Y			1	2	1	1	3	3	3	2
510	Highland Park			Y	1	3	2	1	1	5	3	4	3
511	Peace River Many Island			Y		3	2	1	1	5	3		3
512	Grassi Lake		Y			4	2	3	2	4	4	2	4
513	Burning Sulphur		Y		9 of all of a second	4	3	1	1	2	2	5	4
514	Hot Pot	24.11.11.44.44.44.44.44.44.44.44.44.44.44	Y			4	3	1	1	2	2	5	4
517	Bow Valley	Y	an dan ser ser mit den klankte die Statisticale Statisticale die die			3	2	1	1	5	4	5	3
518	Glenmore	Y	5945-994-9-555			3	2	1	1	4	4	5	3
519	Macleod/Moose Creek	Y				2	3	1	1	3	3	5	3
520	Edson South	Y				4	3	1	1	3	3	5.	4
521	Purple Springs South		Y			2	3	1	l	5	3	5	3
522	Purple Springs North	Y				2	3	1	1	5	3	5	3
523	Lake Newell	Y				2	2	1	1	5	3	5	2
524	Linie Rolling Hills	Y				2	2	1	1	5	3	5.	2
525	5 Aetna	Y		Y	Y	4	2	. 4	2	3	4	4	4
526	6 Racehorse Creek	Y	*******			4	2	1	1	5	3	2	4
527	7 Meinsinger Creek	Y		errentedenden det der errente die seinen einen einen der einen einen der einen einen der einen einen einen der		4	2	1	1	5	4	2	4
528	B St. Agnes		Y	****		4	3	1	1	2	. 1	4	4
	Jenner Springs			Y		2	3	1	1	5	3	4	3

Table 3. Special Feature Polygons for Immediate Consideration as Protected Areas.

(Ownership is public and environmental integrity is intact).

Special Feature Polygon Name	<u>ID</u>	Priority <u>Level</u>	<u>Notes</u>
Ambler Mountain/Copton Ridge/Mt. Hamell	37	5	SPNOM
Barrow Lake	302	5	
Boaverhills Lake	206	5	SPCAN, SPNOM; recognized as a RAMSAR site under the Convention of Wetlands of International Importance.
Cadomin Cave	34	5	PNT; SPNOM
Cardinal Divide Natural Area Extension	32	5	SPNOM
Del Bonita Uplands/Shanks Lake	60	5	SPNOM
Fort Hills	169	5	SPNOM
Hand Hills	299	5	SPCAN, SPNOM
Leland Lake/Tulip Lake	202	5	
Lost River	69	5	PNT; SPCAN, SPNOM
Mackay River Palsa	254	5	
Middle Sand Hills	75	5	SPCAN, SPNOM
Mt. Lorette	25	5	SPCAN, SPNOM
Richardson River	186	5	SPCAN, SPNOM.
Sage Creek #1	446	5	SPCAN, SPNOM
Akasu Lake	459	4	
Alice Creek	. 174	4	SPNOM
Andrew Lake	190	4	
Baseline Fire Tower	52	4	
Beavermines Valley	8	4	SPCAN, SPNOM; portion is PRA
Big Sagebrush	6	4	SPNOM, SPCAN
Black Butte	78	4	SPNOM
Black Mountain	43	4	SPCAN, SPNOM
Bob Creek	457	4	SPCAN, SPNOM
Bodo	·508	4	SPCAN, SPNOM.
Brazeau Tufa	36	4	PNT; SPNOM
Burning Sulphur	513	4	PNT .
Cameron Hills	120	4	
Cardinal River Headwaters	33	4	SPNOM
Chelsea Creek Flutings	166	4	
Cherry Point Earth Flows	154	4	
Cold Lake Baymouth Bars	135	4	
Coliseum-Shunda Mountain	35	4	SPNOM .
Crow Lake Extension	116	4	
Crowsnest Volcanics	257	4	PNT; SPNOM
Dune Point	76	4	SPCAN, SPNOM
Edgerton Dunes	97	4	SPCAN, SPNOM
Forgetmenot Mountain	22	4	SPNOM
Fort Smith (Slave River Rapids)	192	4	SPNOM

Special Feature Polygon Name	<u>ID</u>	Priority <u>Level</u>	Notes
Fort Vermilion Sandhills	178	4	SPNOM
Front Canyons	5	4	SPCAN, SPNOM; portion is PRA
Galwey Creek	479	4	
Hawk Hills Slope Fens	170	4	SPNOM
Hay Lake Thermokarst Lake	180	4	
Hilda Sand Dunes	74	4	SPNOM
Hot Pot	514	4	PNT
Kakwa North	38	4	SPNOM
Kilini Creek	133	4	PNT
Killarney Lake	208	4	SPCAN, SPNOM
Kimiwan Lake	224	4	PNT; SPNOM; Ephemeral lake. Wildlife Sanctuary or lake management plan may be alternatives to conserve special elements.
Kootenay Plains Ecological Reserve Extension	30	4	SPCAN, SPNOM
LaCrete Sand Hills	172	4	
Many Island Lake	205	4	SPNOM; the lake is a Provincial Bird Sanctuary.
McGregor Lake	125	4	
McLennan Sloping Fens	150	4	SPNOM
Milk River Valley - Pinhorn	68	4	PNT; SPCAN, SPNOM
Mokowan Butte	15	4	SPNOM
Moose Mountain	23	4	PNT; SPNOM
Mt. Livingstone Natural Area Extension	42	4	SPNOM
Mumm Creek	336	4	
Pakowki Dunes	71	4	SPCAN, SPNOM
Pakowki Lake	211	4	SPCAN, SPNOM; the lake is a Provincial Bird Sanctuary.
Payne-Beaverdam	57	4	SPNOM; portion is PRA
Plateau Mountain Ecological Reserve Extension	18	4	SPNOM
Ptolemy Creek	7	4	PNT; SPNOM; portion is PRA
Ram Mountain	28	4	SPNOM
Ram River Falls/Canyon	53	4	SPCAN, SPNOM
Reflex Lake/Salt Springs	95	4	SPCAN, SPNOM
Ronald Lake Sandhills	176	4	
Ross Grassland Natural Area Extension	61	1	SPCAN, SPNOM
Sage Creek #2	486	4	SPCAN, SPNOM
St. Agnes	528	4	
Strawberry Creek	367	4	PNT
Suffield South	292	4	SPNOM
Sweathouse Fire Tower	141	4	
Upper Highwood	20	4	SPNOM
Wakomao Lake	455·	4	PNT
West Castle	4	4	SPCAN, SPNOM; portion is PRA
White Goat Lakes	31	4	SPCAN, SPNOM

Second Franking Dalaman M	ID	Priority	Neter
Snecial Feature Polyeon Name Whitemud Falls Ecological Reserve Extension	<i>ID</i> 164	<u>Level</u> 4	<u>Notes</u> SPNOM
Wolverine River Sand Hills	104	4	SPNOM
Wylie Lake	171	4	SPNOM
Ya Ha Tinda	29	4	PNT; SPCAN, SPNOM
Albert Lake Fescue	492	4 3	rni, srcan, srnom
		3	
Algar Bog	161		
Amisk #3 Fescue	498	3	
Amisk Fescue	501		
Bistcho Lake Peat Plateaux	184	3	
Camrose Fescue	364	3	
Chappice Lake	213	3	SPNOM
Clearwater Patterned Fen	162	3	SPNOM
Clearwater River Spring	319	3	SPNOM.
Crowsnest Mountain	41	3	SPNOM
Donalda Fescue	375	3	
Eagle Butte	286	3	PNT; SPCAN, SPNOM
Ells River Incised Meanders	167	3	
Fairview Marl Lake	156	3	
Ft. Chipewyan	255	3	
Goat Creek	452	3	SPNOM
Handhills Lake	266	3	SPNOM
Hardisty #6 Fescue	500	3	
Hardisty #8	499	3	
Hardisty 5	358	3	
Hind Lake	354	3	PNT
Indian Cabins Peat Plateaux	183	3	SPNÓM
Jean D'Or Parkland	335	3	Two widely separated parkland occurrences.
Killarney Lake #2	378	3	
Lake Athabasca South Shore	197	3	
Landslide Lake	55	3	PNT; SPCAN, SPNOM
Little Fish Lake	265	3	SPCAN, SPNOM
Livingstone Gap	17	3	SPCAN, SPNOM; portion is PRA
Mackay River Incised Meanders	168	3	
Maqua Lake	104	3	SPNOM; portion is PRA
Margaret Lake	296	3	SPNOM
McLaughlin	355	3	
Mikkwa River Wooded Bog	173	3	SPNOM
Moose Point	253	3	
Muskeg Mountain Channel Fens	165	· 3	
Muskeg River Bog	159	3	
			SPNOM
Neutral Hills	85	3	

Special Feature Polygon Name	<u>ID</u>	Priority <u>Level</u>	Notes
Peace River Many Island	511	3	
Pelican Lake Wetland	147	3	
Pinhorn Yucca	430	3	PNT; SPCAN, SPNOM
Ribstone Fescue	362	3	SPCAN, SPNOM
Richardson/Marguerite Rivers Dissected Kame	194	3	
Sage Creek #3	428	3	SPCAN, SPNOM
Sakwatanau River	324	3	
Salt Lake	503	3	SPCAN, SPNOM
Sheep River	21	3	PNT; SPCAN, SPNOM
Slave River Islands	191	3	
Strome	495	3	се с замени полна и то на се се на на на на на на на на се
Sturgeon River Delta	134	3	SPCAN, SPNOM
Sundance Hoodoos	130	3	SPCAN, SPNOM
Torlea Fescue	493	3	PNY
Vermilion Chutes	177	3	SPNOM
Viking #1 Fescue	497	3	
Viking #2 Fescue	496	3	PNT
Viking #3 Fescue	494	3	
Wainwright	380	3	
Wappau Lake	146	3	
Watts Lake Fescue	507	3	
Wildhorse #2	447	3	SPCAN, SPNOM
Wolf Lake	114	3	SPNOM
Zama City Patterned Fen	182	3	
Audet Lake Patterned Fens	193	2	
Gregoire Lake Provincial Park Extension	118	2	PNT; SPNOM
Hell's Gate Water Gap	509	2	SPNOM; adjacent to Willmore Wilderness Park.
Marten Mountain Ribbed Fen	148	2	SPCAN, SPNOM
McLelland Lake Sinkholes	175	2	SPNOM

Codes:

The following codes in the "*Notes*" column indicate that the Special Feature Polygon is wholly or partly within the indicated land category.

PNT - Protective Notation Land Use Reservation (for Protected Area)

PRA - Provincial Recreation Area

RAMSAR - Wetland of INternational Significance (Ramsar Convention)

SPCAN - Special Places Candidate Site

SPNOM - Special Places Nomination

Table 4. Special Feature Polygons Requiring Further Investigation to Verify Suitability as Protected Areas.

Special Feature Polygon Name	<u>1D</u>	Priority <u>Level</u>	Environmental Integrity	<u>Ownership</u>	Notes
Cutbank Crock	461	5	U	Y	SPCAN, SPNOM; Integrity of site needs verification. Determine fidelity of Mountain Plover to this site.
Fortress Mountain	46	5	U .	Y	SPNOM; Deternine integrity of elements and feasibility of a protected area designation.
Ft. McMurray West	318	5.	U	Y	Integrity of site needs verification.
Grassy Mountain Nordegg	124	5	Ū	Y	Integrity of site needs verification.
Muddy Creek/Nose Mountain	139	5	U	Y	Integrity of site needs verification.
Aetna	525	4	U.	U	Integrity of site needs verification. Determine if elements occur on public land.
Antelope Lake	386	4	U	Y	SPCAN, SPNOM; Integrity of site needs verification.
Bare Creek	427	4	U	Y	SPCAN, SPNOM; Integrity of site needs verification. Determine if elements occur off the Express Pipeline ROW.
Baxter Lake	221	4	U	· U	Integrity of site needs verification. Determine if elements occur on public land.
Beaverdam Lake SE	436	4	Y	U	SPNOM; Determine if elements occur on public land.
Bighorn Mountains/South Ram	54	4	U	Y	SPCAN, SPNOM; Integrity of site needs verification.
Birch Lake	272	4	U	U	Perminant lake with Provincial Bird Sanctuary status.
Bittern Lake	223	4	U	Y	Large permanent lake. Wildlife Sanctuary or lake management plan may be alternatives to conserve special elements.
Blackfoot Reserve	108	4	U	Y	Blackfoot PRA is on the east end of the polygon. Determine if the moss populations still exist.
Bow River (E of San Francisco) #5	284	4	U	U	Integrity of site needs verification. Determine if elements occur on public land.
Brown Creek	369	4	U	Y	Integrity of site needs verification.
Brule Lake	337	4	U	Y	SPNOM; Integrity of site needs verification. Site inventory may be needed to define areas suitable for protected areas.
Buffalo Lake	209	4	U	Y	Large permanent lake. Wildlife Sanctuary or lake management plan may be alternatives to conserve special clements.
Buffalo Trail Lake	426	4	U	Y	Integrity of site needs verification. Determine if elements occur off the Express Pipeline ROW.
Calahoo Creek Warm Springs	140	4	U	Ŷ	Integrity of site needs verification.
Canmore Corridor/Lac des Arcs	24	4	U	U	SPCAN, SPNOM. Integrity of site needs verification. Evaluate value of a protected area for the special landform element (alluvial fan dammed lake). Evaluate if the other elements occur on public land.
Carbondale Valley	· 9	4	U	Y	SPCAN, SPNOM; Integrity of site needs verification.
Caribou Mountains (Yates River)	121	4	U	Y	SPNOM; integrity of site needs verification.
Cavendish	248	4	U	Y	SPNOM; Integrity of site needs verification.
Chain & Dowling Lakes	267	4	Y	U	Determine if elements are on public land.
Chinchaga River	312	4	U	Y	SPNOM; Integrity of site needs verification.
Chiniki	391	4	Y .	Y	SPCAN, SPNOM
Clear Hills	251	4	U	Y	SPNOM; Integrity of site needs verification.
Clearwater River West	27	4	U	.Y	PNT; SPCAN, SPNOM; Integrity of site needs verification.
Cloudy Ridge	453	4	. Y	Y	Determine if elements are within Waterton Lakes NP.

Special Feature Polygon Name	<u>ID</u>	Priority <u>Level</u>	Environmental <u>Integrity</u>	<u>Ownership</u>	Notes
Coleman	458	4	U	Y	SPNOM.
Craigmyle/Clear Lake/Victoria Lake	86	4	U	U	Element reports are old and imprecise. Need to determine if the populations still exist. Integrity of site needs veriification.
Craigower	429	4	U	Y	SPCAN, SPNOM; Integrity of site needs verification. Determine if elements still present.
Crowsnest River	12	4	U	Y	SPNOM; Integrity of site needs verification.
Cypress Hills	236	4	U	U	PNT; SPCAN, SPNOM; Integrity of site needs verification. Determine if elements are on public land.
Door Jam	466	4	U	Y	SPCAN, SPNOM; Integrity of site needs verification.
Driedmeat Lake	101	4	U	N	The unilobate delta occurs on private land. An interpretive site to view the subglacial channel may be appropriate
Drowning Ford	407	4	Y	U	SPNOM; Determine if hibernacula is still used and its exact location.
Drumheller Badlands	88	4	U	U	SPCAN, SPNOM; Portions of the area may be suitable for protected area status but this requires further evaluation.
Eagle Butte Impact Structure	91	4	U	U	Public land area too small to adequately represent the feature. An interpretive site to view the impact structure may be appropriate
Edson South	520	4	U	Y	Integrity of site needs verification.
Elbow Falls	392	4	Y	Y	SPNOM; Determine if the nationally significant moss still occurs on site.
Fabyan	93	4	U	U	SPNOM; Integrity of site needs verification. Determine if elements occur on public land.
Fort Saskatchewan	107	4	U	U	Island in the North Saskatchewan River is under PNT. Most of the area is private land. Determine if elements occur on Public land.
Ft. McMurray Northeast	440	4	U	Y	Integrity of site needs verification.
Goose Mountain Ecological Reserve Extension	113	4	U	Y	SPCAN, SPNOM; integrity of site needs verification.
Grassi Lake	512	4	· U	Y	SPCAN. SPNOM: Integrity of site needs verification.
Grassy Mountain Crowsnest	473	4	U	U	SPNOM; Integrity of site needs verification. Determine if elements occur on public land.
Gravina Creek .	310	4	U	Y	Integrity of site needs verification.
Halfway Lake	454	4	U	Y	PNT; Integrity of site needs verification.
Hamlin Creek	315	4	U	Y	Integrity of site needs verification.
Hidden Creek	487	4	U	Y	SPNOM; Integrity of site needs verification.
Hillcrest Mountain	11	4	U	Y	SPCAN, SPNOM; Integrity of site needs verification.
Horne	339	4	U	Y	Integrity of site needs verification.
Island Lake	144	4	U	Y	Relatively large permanent lake with many islands. Evaluate value of a protected area for this landform element alone (Holm Lake). Surveys may locate additional special elements.
Kipp Megablock	244	4	U	U	Determine if elements are on public land.
Kirkpatrick	385	4	u	U	SPNOM; Integrity of site needs verification. Determine if element occurs on public land.
Kirriemuir	484	4	U	Y	Integrity of site needs verification.
La Saline West	307	4	U .	Y	Integrity of site needs verification.
Lac St. Anne North	109	4	U	U	Determine if S1 species are still extant and if they occur on public land.
Lea Park	472	4	Y	Ŷ	Determine it element still occurs at site.

Special Feature Polygon Name	<u>ID</u>	<u>Level</u>	Environmental <u>Integrity</u>	<u>Ownership</u>	Notes
Lessard Lake	485	4	U	U	Integrity of site needs verification. Determine if elements occur on public land.
Lower Kananskis River	26	4	U	Y	SPCAN, SPNOM; Integrity of site needs verification.
Lower Red Deer River	231	4	Y	Y	SPCAN, SPNOM; Portions of the area may be suitable for protected area status but this requires evaluation.
Lynx Creek	, 10	4	U	Y	SPCAN. SPNOM: Integrity of site needs verification.
Ma Butte	258	4	U	Y	SPNOM; Integrity of site needs verification.
Manyberries	432	4	U	U	SPNOM; Integrity of site needs verification. Determi if element occurs on public land.
Manyberries Creek Badlands	70	4	U	Y	SPCAN, SPNOM; Site needs field assessment to determine if special element protection is feasible
McLean Creek	393	4	U	Y	SPNOM; Integrity of site needs verification.
Miquelon Lake	269	4	Y	Y	Large permanent lake with Wildlife Sanctuary status.
Montaganeuse River Earth Slide	157	4	Y	Y	Evaluate value of a protected area for this landform element alone (earth slide). Surveys may locate additional special elements.
Moonlight Bay	346	4	U	U	
Namur Lake	462	4	Y	Y	Large permanent lake. May want to consider Wildl Sanctuary status or a lake management plan to protect special elements.
New Brigden Fescue	382	4	U	Y	SPCAN, SPNOM; Integrity of site needs verification.
Newman volcanics	301	4	U	Y	SPCAN, SPNOM; Integrity of site needs verification
Oldman River	260	4	U	U	PNT; SPNOM; portion is PRA; Portions may be suita for protected area status but this requires evaluation.
Pakowki Lake Polygonum	474	4	U	Y	Integrity of site needs verification.
Pekisko	19	4	U	Y	SPNOM; Integrity of site needs verification.
Pelican Lake	465	4	Y .	Y	Large permanent lake. Wildlife Sanctuary or lake management plan may be alternatives to conserve spe elements.
Pine Creek	110	4	U ·	Y	Integrity of site needs verification.
Porcupine Hills	300	4	Y	Y	PNT; SPCAN, SPNOM; Evaluate value of a protected area for this landform element alone (erosional remna Determine exact locations of elements. Surveys may locate additional special elements.
Prairie Creek	370	4	U	Y	SPNOM. Integrity of site needs verification.
Prentice Creek West	371	4	U	Y	Integrity of site needs verification.
Racehorse Creek	526	4	U	Y	Integrity of site needs verification.
Ribstone Creek	92	4	Y	U	PNT; SPNOM; determine if elements are on public la
Robinson Hill	398	4		U	SPNOM; Integrity of site needs verification. Determine if elements still occur at site.
Rough Lake Fescue	356	4	U	Y	SPNOM; Integrity of site needs verification.
Sand Point	305	4	Y	U	Determine which elements occur on public land.
Savanna Creek	478	4	U	Y	SPNOM; Integrity of site needs verification.
Shunda Water Gap	127	4	Y ·	Y	SPNOM; Evaluate value of a protected area for this landform element alone (water gap). An interpretive s to view the water gap may be appropriate.
Smoke Lake	112	4	. U	Y	Portion is PRA; Integrity of site needs verification.
Snipe Creek	463	4	U	Y	Integrity of site needs verification.
Sounding Lake	207	4	U	Y	SPCAN, SPNOM; integrity of site needs verification.

Special Feature Polygon Name	<u>ID</u>	Priority <u>Level</u>	Environmental <u>Integrity</u>	<u>Ownership</u>	Notes
Spray Lakes	390	4	U	Y	SPNOM. Integrity of site needs verification.
Sugarloaf Mountain	16	4 ·	U	Y	SPNOM; Integrity of site needs verification.
Sweetgrass Hills East	63	4	Y	U	SPNOM; Integrity of site needs verification. Determine if elements occur on public land.
Sweetgrass Hills West (base)	62	4	Y	U	SPNOM; Integrity of site needs verification. Determine if elements occur on public land
Thistle Creek-Brazeau Bluehole Springs	122	4	U	Y	SPNOM; Integrity of site needs verification.
Turin Dunes	243	4	U	U	Integrity of site needs verification. Determine if elements occur on public land.
Two Creek	328	4	U	Y	Integrity of site needs verification.
Utikuma Lake	464	4	······································	Y .	Large permanent lake. Wildlife Sanctuary or lake management plan may be alternatives to conserve special elements.
Vauxhall	241	4	U	Y	Integrity of site needs verification. Determine if elements still occur at the site.
Verdigris Coulee	80	4	U	Y	PNT; SPNOM; an interpretive site to view the channels may be appropriate; additional work required to document features on the PNT site & other crown blocks.
Vicary Creek	477	4	U	Y	SPNOM; Integrity of site needs verification.
Wabasca River	449	4	U	Y	Integrity of site needs verification.
Water Valley	65	4	U	Y	portion is PRA; Integrity of site needs verification.
Whiskey Gap	59	4	U	U	SPNOM; Integrity of site needs verification. Determine if elements occur on private land
Wildhorse #1	77	4	U	Y	PNT; SPCAN, SPNOM; Integrity of site needs verification.
Willow Creek	64	4	U	U	SPCAN, SPNOM; Integrity of site needs verification. Determine if elements occur on public land.
Willow Creek Little Bluestem	416	4	U	Y	SPNOM; Integrity of site needs verification.
Windfall Creek	111	4	U	Y	Integrity of site needs verification.
Zama Lakes	179	4	U	Y	Large permanent wetlands. Surveys required to determine presence of other special elements.
Alkali Ponds	377	3	U	Y	SPNOM: Integrity of site needs verification.
Athabasca Flutings	143	3	U	Y	Integrity of site needs verification.
Bear River Sandhills	153	3	U .	Y	PNT; SPNOM; some portions impacted by ATV activity.
Beaver Creek	490	3	U	Y	SPCAN, SPNOM; Integrity of site needs verification.
Beaver River	309	3	U	Y	Integrity of site needs verification.
Berry Creek	290	3	U	Y	Integrity of site needs verification. Evaluate value of a protected area for this special element alone (burrowing owl).
Bodo East	506	3	U	Y	SPNOM; Integrity of site needs verification.
Bourque Lake Tunnel Lake	145	3	U	Y	Integrity of site needs verification. Evaluate value of a protected area for this special element alone (glacial tunnel lake).
Bow Island	294	3	U	Y	SPNOM; Integrity of site needs verification.
Bow River Cottonwood Forests	230	3	Y	U	PNT; SPNOM; Focus on public land west of the Indian Reserve.
Bow Valley	517	3	U	U	Integrity of site needs verification. Determine if element occurs on public land.
Bruce Lake	502	3	U	Y	Integrity of site needs verification.

Special Feature Polygon Name	<u>ID</u>	Priority <u>Level</u>	Environmental <u>Integrity</u>	<u>Ownership</u>	Notes
Bull Pound Creek	402	3	U	U	Integrity of site needs verification. Determine if elemen occurs on public land.
Cabin Ridge	489	3	U	Y	SPNOM; Integrity of site needs verification.
Chain Lakes	412	3	U	Y	SPNOM; Integrity of site needs verification.
Charles Lake	256	3	Y	Y	Evaluate value of a protected area for this special element alone (fault lake)
Chip Lake	338	3	U	U	Integrity of site needs verification. Determine if elemen occurs on public land.
Coal Lake	102	3	Ľ	Y	Portion is PRA; an interpretive site to view the tunnel lakes may be appropriate
Cold Lake	321	3	Y	Y	SPNOM; Large permanent lake. Wildlife Sanctuary or lake management plan may be alternatives to conserve special elements.
Con Creek	439	3	U	Y	Integrity of site needs verification.
David Lake Ecological Reserve Extension	94 .	3	U	U	SPNOM; Integrity of site needs verification. Determine if elements occur on public land.
Devil's Head Klippe	. 50	3	Y	Y	SPCAN, SPNOM; Evaluate value of a protected area for this special element alone (klippe).
Dorothy	288	3 ·	U	Y	SPNOM; Integrity of site needs verification. Evaluate value of a protected area for this special element alone (burrowing owl).
Dunvegan	316	3	U	U	PNT; SPNOM; Determine if elements occur on public land.
Dunvegan Parkland	333	3	U	Y	SPNOM; Integrity of site needs verification.
Empress hibernacula	445	3	U	U	SPNOM; Integrity of site needs verification. Determfine if hibernacula occur on public land.
Finnegan	403	3	Y	Y	SPNOM; Determine if element still occurs at the site.
Fisher Creek at Maclean Trail	45	3	U	Y	SPNOM; Integrity of site needs verification.
Ft. Vermilion Parkland	334	3	U	Y	SPNOM; Integrity of site needs verification.
Gillespie Lake	220	3	U .	Y	Integrity of site needs verification.
Goodwin Lake	323	3	U	Y	Integrity of site needs verification.
Gooseberry Lake	216	3	`U	Y	SPNOM; Permanent lake. Wildlife Sanctuary or lake management plan may be alternatives to conserve specia clements. Review adjacent public land for fescue remnants
Gould Dome	488	3	. U	Y	SPNOM; Integrity of site needs verification.
Grande Prairie Parkland	332	3	U	U	Integrity of site needs verification. Determine it elemen occurs on public land.
Grassy Island Lake	215	3	U	Y.	SPCAN, SPNOM; integrity of site needs verification. Wildlife Sanctuary or lake management plan may be alternatives to conserve special elements.
Greenlee Lake	274	3,	U	U	SPCAN, SPNOM; Integrity of site needs verification. Determine if element occurs on public land.
Gunn	344	3	U	U	Integrity of site needs verification. Determine if elemen occurs on public land.
Halverson River	314	3	U	Y	SPCAN, SPNOM; Integrity of site needs verification.
Highland Park	510	3	U	·Y	PNT; Integrity of site needs verification.
Hotchkiss Airfield	313	3	U	Y	Integrity of site needs verification. Confirm location of elements.
Jacknife Springs	103	3	U	Y	PNT; Integrity of site needs verification.
Jenner Springs	529	3	U	Y	Integrity of site needs verification.

Special Feature Polygon Name	<u>ID</u>	Priority <u>Level</u>	Environmental <u>Integrity</u>	<u>Ownership</u>	Notes
Keho Lake	263	3	U	Y	Integrity of site needs verification. Wildlife Sanctuary of lake management plan may be alternatives to conserve special elements.
Kirkpatrick Fescue	384	3	U	Y	Integrity of site needs verification.
Lac Tremble	491	3	U	Y	PNT; SPNOM; Integrity of site needs verification.
Lesser Slave Lake Provincial Park Extension	149	3	U	Y	SPNOM: Integrity of the beach ridges requires verification. If their integrity is poor, is restoration feasible?
Little Bow	417	3 ·	U	U	Integrity of site needs verification. Determine if S1 element occurs on public land.
Livingstone Falls	411	3	U	. Y	SPNOM; Integrity of site needs verification.
Lousana Canyon	297	3	U	Y	SPCAN, SPNOM; portion is PRA
Lower Sakwatanau River	325	3	U	Y	SPNOM; Integrity of site needs verification.
Many Islands Lake West	443	3	U	Y	SPNOM; Integrity of site needs verification.
Manyberries Creek	476	3	Y .	Y	SPNOM; Determine if element still occurs at the site.
Marie Lake	320	3	Y	Y	Large permanent lake. Wildlife Sanctuary or lake management plan may be alternatives to conserve specia elements.
Marshead Creek	327	3	U	Y	Determine if the element still occurs on site.
Mercoal	129	3	U	Y	Integrity of site needs verification. Determine if elements still occur on site.
Metiskow Lake	277	3	U	Y	Integrity of site needs verification. Wildlife Sanctuary or lake management plan may be alternatives to conserve special elements.
Moose Hills Lake	351	3	U	Y	Integrity of site needs verification.
Mud Butte	84	3	U	U	SPNOM; Integrity of site needs verification. Determine if good examples of exposed ice-thrust contorted bedroek occur on public land.
Muddy Creek	331	3	U	Y	Integrity of site needs verification.
Mudspring Lake Soapholes	87	3	U	U	Integrity of site needs verification. Determine if good examples of soapholes occur on public land.
Namaka Lake	214	3	U	Y	Large permanent lake. Wildlife Sanctuary or lake management plan may be alternatives to conserve specia elements.
Negus Meadow	304	3	U	Y	Integrity of site needs verification.
Oliva Lake	100	3	U	U	SPCAN; Integrity of site needs verification. Determine if public land is adequate to represent the landform features.
Opal	349	3	U	Y	Integrity of site needs verification. Adjacent to an established Natural Area.
Paintearth	504	3	U	Y	PNT; Integrity of site needs verification.
Peace River Parkland	317	3	U	U	PNT; SPNOM. Integrity of site needs verification. Determine if elements occur on public land.
Pembina River	368	3	U	Y	Integrity of site needs verification.
Phantom Crag	395	3	U	Y	SPCAN, SPNOM; Integrity of site needs verification.
Philip Coulee	431	3	U	U	SPNOM; Integrity of site needs verification. Determine if element occurs on public land.
Prince's Springs	293	3	U	Y	SPCAN, SPNOM; Integrity of site needs verification.
Purple Springs South	521	3	U .	U	Integrity of site needs verification. Determine if element occurs on public land.
Ratsnest Cave	47	3	U	Y	SPCAN, SPNOM; Already established as an Historic Site. Determine if the S1 element is within the designated area.

Special Feature Polygon Name	<u>ID</u>	<u>Level</u>	Environmental <u>Integrity</u>	<u>Ownership</u>	Notes
Redcliff NW	422	3	U	Y	Integrity of site needs verification.
Redcliff West	285	3	U	U	SPNOM; Integrity of site needs verification. Determine if elements occur on public land.
Richdale	289	3	U	U ,	Integrity of site needs verification. Evaluate value of a protected area for this special element alone (burrowing owl).
Rycroft Earth Slide	155	3	Y	Y	Determine presence of other special elements and the site's suitability as a protected area.
Sand River	322	3	U	U	SPNOM; Need to determine if element is on public land
Simonette Tower	330	3	U	U	Integrity of site needs verification. Determine if elements occur on public land.
Smoky-Kakwa	329	3.	U	Y	SPNOM; verify element locations and integrity of the site.
Steen River	303	3	U	U	Integrity of site needs verification. Determine if elemen occurs on public land.
Stevens Creek	126	3	U	Y	Verify element locations and integrity of the site.
Sunken Lake	218	3	U	Y	SPCAN, SPNOM; Integrity of site needs verification.
Sunnynook	287	3	U	Y	Integrity of site needs verification. Evaluate value of a protected area for this special element alone (burrowing owl).
Swan River	142	3.	U	Y	Integrity of site needs verification.
Thordason Creek	249	3.	U	Y	SPNOM; Integrity of site needs verification.
Thunder Lake Eskers	123	3	U	Y	SPNOM; integrity of site needs verification.
Wapiabi Cave	252	3	U	Y	SPCAN, SPNOM; Integrity of site requires verification.
Whitecourt	326	3	Y	Y	SPNOM; Special element restricted to gravels of the river bed. A protected area may not be an appropriate designation.
Whitefish Lake Rubble Terrain	138	3	· U	Y	Integrity of site needs verification. Need to identify those portions of the feature most suitable for protection
Bain Bluff	240	2	Y	Ŷ	SPNOM; Evaluate value of a protected area for this landform element alone (Earth Slides).
Foster Lake	275	2	U.	U	SPCAN, SPNOM; Determine value of the lake for Piping Plover.
Ft. McMurray	291	2	U	Y	SPNOM; Integrity of site needs verification.
Goosequill Lake	259	2	U	U	Integrity of site needs verification. Determine if elemen occus on public land.
Hilda North	444	2	U	U	SPCAN, SPNOM; Integrity of site needs verification. Determine if element occurs on public land.
Horseshoe Lake	90	2	U	Y	SPCAN: Integrity of site needs verification
Lake Newell	523	2	U	U	Integrity of site needs verification. Determine if Great Plains Toad habitat is on public land.
Little Rolling Hills	524	2	U	U	Integrity of site needs verification. Determine if Great Plains Toad habitat is on public land.
Neutral Hills #1	278	2	U	U	SPNOM; Integrity of site needs verification.
Neutral Hills #4	279	2	U	U	SPNOM; Integrity of site needs verification.
Pakan Bog Iron Springs	137	2	U	U	Integrity of site needs verification. Determine if elemen occurs on public land.
Piper Lake	276	2	U	U	SPCAN, SPNOM. Integrity of site needs verification.
Pollhaven	14	2	U	Y	SPNOM; Integrity of site needs verification.
Red Deer #3	282	2	U	U	SPCAN, SPNOM: Integrity of site needs verification. Determine if element occurs on public land.

Special Feature Polygon Name	ID	Priority Level	Environmental Integrity	Ownership	Notes
Red Deer Lake	261	2	U	Y	Large permanent lake. Wildlife Sanctuary or lake management plan may be alternatives to conserve special elements.

Codes:

The following codes in the "*Notes*" column indicate that the Special Feature Polygon is wholly or partly within the indicated land category.

PNT - Protective Notation Land Use Reservation (for Protected Area)

PRA - Provincial Recreation Area

SPCAN - Special Places Candidate Site

SPNOM - Special Places Nomination