

BC GRASSLANDS MAPPING PROJECT: YEAR END STATISTICS MARCH 2002

INTRODUCTION

Grasslands statistics for Year Two of the *BC Grasslands Mapping Project* were generated from the 1:20 000 scale mapping of grasslands in the Nelson, Kamloops, Cariboo, and Prince George Regions. Grouped together, the grasslands of these Regions represent roughly 95% of the grasslands of British Columbia. The mapping of the Prince Rupert and South Vancouver Island/Gulf Islands Regions will make up the remaining 5% or thereabouts. Year Two grasslands statistics are based on the mapping of primarily valley bottom grasslands; alpine grasslands are not included in this summary.

Total grasslands represent a summation of four categories, namely: burned forest in Ponderosa Pine(PP)/Bunchgrass(BG) biogeoclimatic zones; open dry forest in NDT4; open dry forest adjacent to open grasslands; and open grasslands. These categories are explained further in the metadata and notes below (see 4c). Grassland associated features (such as rocky talus slopes, wetlands, aspen copses, etc) that are naturally a part of grassland ecosystems are not included. As such, the statistics below represent an summary of open grasslands rather than grassland 'ecosystems'.

1. GRASSLAND STATISTICS BY FOREST DISTRICT

NELSON REGION - INVERMERE DISTRICT GRASSLANDS (DRAFT*)	
BURNED FOREST IN PP/BG BGC ZONE (ha.)	165
OPEN DRY FOREST IN NDT4 (ha.)	634
OPEN DRY FOREST ADJACENT TO OPEN GRASSLANDS (ha.)	1376
OPEN GRASSLANDS (ha.)	9297
TOTAL INVERMERE DISTRICT GRASSLANDS (DRAFT) (ha.)	11472
INVERMERE DISTRICT GRASSLANDS AS % OF PROVINCIAL TOTAL	1.5%
INVERMERE DISTRICT GRASSLANDS IN PROTECTED AREAS (ha.)	156
% OF TOTAL INVERMERE DISTRICT GRASSLANDS IN PROTECTED AREAS	1.4%
INVERMERE DISTRICT GRASSLANDS IN AGRICULTURAL LAND RESERVE (ha.)	9188
% OF TOTAL INVERMERE DISTRICT GRASSLANDS IN AGRICULTURAL LAND RESERVE	80.1%

* Invermere grasslands mapping is still in draft stages. Statistics generated from this Forest District will likely change. The 'Open Grasslands' figure is considered to be fairly accurate by District experts.

NELSON REGION - CRANBROOK DISTRICT GRASSLANDS (DRAFT*)	
BURNED FOREST IN PP/BG BGC ZONE (ha.)	226
OPEN DRY FOREST IN NDT4 (ha.)	566
OPEN DRY FOREST ADJACENT TO OPEN GRASSLANDS (ha.)	664
OPEN GRASSLANDS (ha.)	26482
TOTAL CRANBROOK DISTRICT GRASSLANDS (DRAFT) (ha.)	27938
CRANBROOK DISTRICT GRASSLANDS AS % OF PROVINCIAL TOTAL	3.7%
CRANBROOK DISTRICT GRASSLANDS IN PROTECTED AREAS (ha.)	379
% OF TOTAL CRANBROOK DISTRICT GRASSLANDS IN PROTECTED AREAS	1.4%
CRANBROOK DISTRICT GRASSLANDS IN AGRICULTURAL LAND RESERVE (ha.)	23468
% OF TOTAL CRANBROOK DISTRICT GRASSLANDS IN AGRICULTURAL LAND RESERVE	84.0%

* Cranbrook grasslands mapping is still in draft stages. Statistics generated from this Forest District will likely change. The 'Open Grasslands' figure is considered to be fairly accurate by District experts.

NELSON REGION - ARROW DISTRICT GRASSLANDS	
OPEN DRY FOREST IN NDT4 (ha.)	1031
OPEN DRY FOREST ADJACENT TO OPEN GRASSLANDS (ha.)	135
OPEN GRASSLANDS (ha.)	196
TOTAL ARROW DISTRICT GRASSLANDS (ha.)	1362
ARROW DISTRICT GRASSLANDS AS % OF PROVINCIAL TOTAL	0.2%
ARROW DISTRICT GRASSLANDS IN PROTECTED AREAS (ha.)	296
% OF TOTAL ARROW DISTRICT GRASSLANDS IN PROTECTED AREAS	21.7%
ARROW DISTRICT GRASSLANDS IN AGRICULTURAL LAND RESERVE (ha.)	123
% OF TOTAL ARROW DISTRICT GRASSLANDS IN AGRICULTURAL LAND RESERVE	9.0%

NELSON REGION - BOUNDARY DISTRICT GRASSLANDS	
OPEN DRY FOREST IN NDT4 (ha.)	393
OPEN DRY FOREST ADJACENT TO OPEN GRASSLANDS (ha.)	244
OPEN GRASSLANDS (ha.)	17680
TOTAL BOUNDARY DISTRICT GRASSLANDS (ha.)	18317
BOUNDARY DISTRICT GRASSLANDS AS % OF PROVINCIAL TOTAL	2.4%
BOUNDARY DISTRICT GRASSLANDS IN PROTECTED AREAS (ha.)	13
% OF TOTAL BOUNDARY DISTRICT GRASSLANDS IN PROTECTED AREAS	<0.1%
BOUNDARY DISTRICT GRASSLANDS IN AGRICULTURAL LAND RESERVE (ha.)	8176
% OF TOTAL BOUNDARY DISTRICT GRASSLANDS IN AGRICULTURAL LAND RESERVE	44.6%

KAMLOOPS REGION - KAMLOOPS TIMBER SUPPLY AREA* (TSA) GRASSLANDS	
BURNED FOREST IN PP/BG BGC ZONE (ha.)	476
OPEN DRY FOREST IN NDT4 (ha.)	875
OPEN DRY FOREST ADJACENT TO OPEN GRASSLANDS (ha.)	1576
OPEN GRASSLANDS (ha.)	123036
TOTAL KAMLOOPS TSA GRASSLANDS (ha.)	125963
KAMLOOPS TSA GRASSLANDS AS % OF PROVINCIAL TOTAL	16.8%
KAMLOOPS TSA GRASSLANDS IN PROTECTED AREAS (ha.)	9824
% OF TOTAL KAMLOOPS TSA GRASSLANDS IN PROTECTED AREAS	7.8%
KAMLOOPS TSA GRASSLANDS IN AGRICULTURAL LAND RESERVE (ha.)	54415
% OF TOTAL KAMLOOPS TSA GRASSLANDS IN AGRICULTURAL LAND RESERVE	43.2%
KAMLOOPS TSA GRASSLANDS ON PRIVATE LAND (ha.)	54714
% OF TOTAL KAMLOOPS TSA GRASSLANDS ON PRIVATE LAND	43.4%
KAMLOOPS TSA GRASSLANDS ON CROWN LAND (ha.)	56888
% OF TOTAL KAMLOOPS TSA GRASSLANDS ON CROWN LAND	45.2%

KAMLOOPS TSA GRASSLANDS ON INDIAN RESERVE (ha.)	14346
% OF TOTAL KAMLOOPS TSA GRASSLANDS ON INDIAN RESERVE	11.4%

* Kamloops TSA includes the Kamloops and Clearwater Forest Districts

KAMLOOPS REGION - LILLOOET DISTRICT GRASSLANDS	
BURNED FOREST IN PP/BG BGC ZONE (ha.)	771
OPEN DRY FOREST IN NDT4 (ha.)	5089
OPEN DRY FOREST ADJACENT TO OPEN GRASSLANDS (ha.)	2984
OPEN GRASSLANDS (ha.)	25527
TOTAL LILLOOET DISTRICT GRASSLANDS (ha.)	34371
LILLOOET DISTRICT GRASSLANDS AS % OF PROVINCIAL TOTAL	4.6%
LILLOOET DISTRICT GRASSLANDS IN PROTECTED AREAS (ha.)	
% OF TOTAL LILLOOET DISTRICT GRASSLANDS IN PROTECTED AREAS	2.3%
LILLOOET DISTRICT GRASSLANDS IN AGRICULTURAL LAND RESERVE (ha.)	
% OF TOTAL LILLOOET DISTRICT GRASSLANDS IN AGRICULTURAL LAND RESERVE	34.2%
LILLOOET DISTRICT GRASSLANDS ON PRIVATE LAND (ha.)	
% OF TOTAL LILLOOET DISTRICT GRASSLANDS ON PRIVATE LAND	20.7%
LILLOOET DISTRICT GRASSLANDS ON CROWN LAND (ha.)	
% OF TOTAL LILLOOET DISTRICT GRASSLANDS ON CROWN LAND	66.9%
LILLOOET DISTRICT GRASSLANDS ON INDIAN RESERVE (ha.)	
% OF TOTAL LILLOOET DISTRICT GRASSLANDS ON INDIAN RESERVE	12.3%

KAMLOOPS REGION - MERRITT DISTRICT GRASSLANDS	
BURNED FOREST IN PP/BG BGC ZONE (ha.)	343
OPEN DRY FOREST IN NDT4 (ha.)	2069
OPEN DRY FOREST ADJACENT TO OPEN GRASSLANDS (ha.)	2611
OPEN GRASSLANDS (ha.)	106256
TOTAL MERRITT DISTRICT GRASSLANDS (ha.)	111279
MERRITT DISTRICT GRASSLANDS AS % OF PROVINCIAL TOTAL	14.8%
MERRITT DISTRICT GRASSLANDS IN PROTECTED AREAS (ha.)	
% OF TOTAL MERRITT DISTRICT GRASSLANDS IN PROTECTED AREAS	0.2%
MERRITT DISTRICT GRASSLANDS IN AGRICULTURAL LAND RESERVE (ha.)	
% OF TOTAL MERRITT DISTRICT GRASSLANDS IN AGRICULTURAL LAND RESERVE	80.5%
MERRITT DISTRICT GRASSLANDS ON PRIVATE LAND (ha.)	
% OF TOTAL MERRITT DISTRICT GRASSLANDS ON PRIVATE LAND	68.0%
MERRITT DISTRICT GRASSLANDS ON CROWN LAND (ha.)	
% OF TOTAL MERRITT DISTRICT GRASSLANDS ON CROWN LAND	19.4%
MERRITT DISTRICT GRASSLANDS ON INDIAN RESERVE (ha.)	
% OF TOTAL MERRITT DISTRICT GRASSLANDS ON INDIAN RESERVE	12.5%

KAMLOOPS REGION - OKANAGAN TIMBER SUPPLY AREA* (TSA) GRASSLANDS	
BURNED FOREST IN PP/BG BGC ZONE (ha.)	3459
OPEN DRY FOREST IN NDT4 (ha.)	4118
OPEN DRY FOREST ADJACENT TO OPEN GRASSLANDS (ha.)	5625
OPEN GRASSLANDS (ha.)	92051
TOTAL OKANAGAN TSA GRASSLANDS (ha.)	105253
OKANAGAN TSA GRASSLANDS AS % OF PROVINCIAL TOTAL	14.0%
OKANAGAN TSA GRASSLANDS IN PROTECTED AREAS (ha.)	9373
% OF TOTAL OKANAGAN TSA GRASSLANDS IN PROTECTED AREAS	8.9%
OKANAGAN TSA GRASSLANDS IN AGRICULTURAL LAND RESERVE (ha.)	29529
% OF TOTAL OKANAGAN TSA GRASSLANDS IN AGRICULTURAL LAND RESERVE	28.1%
OKANAGAN TSA GRASSLANDS ON PRIVATE LAND (ha.)	44379
% OF TOTAL OKANAGAN TSA GRASSLANDS ON PRIVATE LAND	42.2%
OKANAGAN TSA GRASSLANDS ON CROWN LAND (ha.)	39479
% OF TOTAL OKANAGAN TSA GRASSLANDS ON CROWN LAND	37.5%
OKANAGAN TSA GRASSLANDS ON INDIAN RESERVE (ha.)	20923
% OF TOTAL OKANAGAN TSA GRASSLANDS ON INDIAN RESERVE	19.9%

* Okanagan TSA includes the Penticton, Vernon, and Salmon Arm Forest Districts

CARIBOO REGION - CHILCOTIN DISTRICT GRASSLANDS	
OPEN DRY FOREST IN NDT4 (ha.)	5846
OPEN DRY FOREST ADJACENT TO OPEN GRASSLANDS (ha.)	26862
OPEN GRASSLANDS (ha.)	31001
TOTAL CHILCOTIN DISTRICT GRASSLANDS (ha.)	63709
CHILCOTIN DISTRICT GRASSLANDS AS % OF PROVINCIAL TOTAL	8.5%
CHILCOTIN DISTRICT GRASSLANDS IN PROTECTED AREAS (ha.)	2129
% OF TOTAL CHILCOTIN DISTRICT GRASSLANDS IN PROTECTED AREAS	3.3%
CHILCOTIN DISTRICT GRASSLANDS IN AGRICULTURAL LAND RESERVE (ha.)	13605
% OF TOTAL CHILCOTIN DISTRICT GRASSLANDS IN AGRICULTURAL LAND RESERVE	21.4%

CARIBOO REGION - 100 MILE HOUSE DISTRICT GRASSLANDS	
BURNED FOREST IN PP/BG BGC ZONE (ha.)	1
OPEN DRY FOREST IN NDT4 (ha.)	5312
OPEN DRY FOREST ADJACENT TO OPEN GRASSLANDS (ha.)	3560
OPEN GRASSLANDS (ha.)	40935
TOTAL 100 MILE HOUSE DISTRICT GRASSLANDS (ha.)	49808
100 MILE HOUSE DISTRICT GRASSLANDS AS % OF PROVINCIAL TOTAL	6.6%
100 MILE HOUSE DISTRICT GRASSLANDS IN PROTECTED AREAS (ha.)	3106

% OF TOTAL 100 MILE HOUSE DISTRICT GRASSLANDS IN PROTECTED AREAS	6.2%
100 MILE HOUSE DISTRICT GRASSLANDS IN AGRICULTURAL LAND RESERVE (ha.)	37763
% OF TOTAL 100 MILE HOUSE DISTRICT GRASSLANDS IN AGRICULTURAL LAND RESERVE	75.8%

CARIBOO REGION - QUESNEL DISTRICT GRASSLANDS

OPEN DRY FOREST IN NDT4 (ha.)	148
OPEN DRY FOREST ADJACENT TO OPEN GRASSLANDS (ha.)	153
OPEN GRASSLANDS (ha.)	947
TOTAL QUESNEL DISTRICT GRASSLANDS (ha.)	1248
QUESNEL DISTRICT GRASSLANDS AS % OF PROVINCIAL TOTAL	0.2%
QUESNEL DISTRICT GRASSLANDS IN PROTECTED AREAS (ha.)	65
% OF TOTAL QUESNEL DISTRICT GRASSLANDS IN PROTECTED AREAS	5.2%
QUESNEL DISTRICT GRASSLANDS IN AGRICULTURAL LAND RESERVE (ha.)	173
% OF TOTAL QUESNEL DISTRICT GRASSLANDS IN AGRICULTURAL LAND RESERVE	13.9%

CARIBOO REGION - WILLIAMS LAKE DISTRICT GRASSLANDS

OPEN DRY FOREST IN NDT4 (ha.)	2021
OPEN DRY FOREST ADJACENT TO OPEN GRASSLANDS (ha.)	2132
OPEN GRASSLANDS (ha.)	123724
TOTAL WILLIAMS LAKE DISTRICT GRASSLANDS (ha.)	127877
WILLIAMS LAKE DISTRICT GRASSLANDS AS % OF PROVINCIAL TOTAL	17.0%
WILLIAMS LAKE DISTRICT GRASSLANDS IN PROTECTED AREAS (ha.)	22933
% OF TOTAL WILLIAMS LAKE DISTRICT GRASSLANDS IN PROTECTED AREAS	17.9%
WILLIAMS LAKE DISTRICT GRASSLANDS IN AGRICULTURAL LAND RESERVE (ha.)	98706
% OF TOTAL WILLIAMS LAKE DISTRICT GRASSLANDS IN AGRICULTURAL LAND RESERVE	77.2%

PRINCE GEORGE REGION - DAWSON CREEK DISTRICT GRASSLANDS

OPEN GRASSLANDS (ha.)	2888
TOTAL DAWSON CREEK DISTRICT GRASSLANDS (ha.)	2888
DAWSON CREEK DISTRICT GRASSLANDS AS % OF PROVINCIAL TOTAL	0.4%
DAWSON CREEK DISTRICT GRASSLANDS IN PROTECTED AREAS (ha.)	114
% OF TOTAL DAWSON CREEK DISTRICT GRASSLANDS IN PROTECTED AREAS	3.9%
DAWSON CREEK DISTRICT GRASSLANDS IN AGRICULTURAL LAND RESERVE (ha.)	146
% OF TOTAL DAWSON CREEK DISTRICT GRASSLANDS IN AGRICULTURAL LAND RESERVE	5.1%

PRINCE GEORGE REGION - FORT ST. JAMES DISTRICT GRASSLANDS

OPEN GRASSLANDS (ha.)	564
TOTAL FORT ST. JAMES DISTRICT GRASSLANDS (ha.)	564
FORT ST. JAMES DISTRICT GRASSLANDS AS % OF PROVINCIAL TOTAL	<0.1%
FORT ST. JAMES DISTRICT GRASSLANDS IN PROTECTED AREAS (ha.)	421
% OF TOTAL FORT ST. JAMES DISTRICT GRASSLANDS IN PROTECTED AREAS	74.6%
FORT ST. JAMES DISTRICT GRASSLANDS IN AGRICULTURAL LAND RESERVE (ha.)	0
% OF TOTAL FORT ST. JAMES DISTRICT GRASSLANDS IN AGRICULTURAL LAND RESERVE	0.0%

PRINCE GEORGE REGION - FORT ST. JOHN DISTRICT GRASSLANDS

OPEN GRASSLANDS (ha.)	13370
TOTAL FORT ST. JOHN DISTRICT GRASSLANDS (ha.)	13370
FORT ST. JOHN DISTRICT GRASSLANDS AS % OF PROVINCIAL TOTAL	1.8%
FORT ST. JOHN DISTRICT GRASSLANDS IN PROTECTED AREAS (ha.)	75
% OF TOTAL FORT ST. JOHN DISTRICT GRASSLANDS IN PROTECTED AREAS	0.6%
FORT ST. JOHN DISTRICT GRASSLANDS IN AGRICULTURAL LAND RESERVE (ha.)	3007
% OF TOTAL FORT ST. JOHN DISTRICT GRASSLANDS IN AGRICULTURAL LAND RESERVE	22.5%

PRINCE GEORGE REGION - FORT NELSON DISTRICT* GRASSLANDS

OPEN GRASSLANDS (ha.)	53434
TOTAL FORT NELSON DISTRICT GRASSLANDS (ha.)	53434
FORT NELSON DISTRICT GRASSLANDS AS % OF PROVINCIAL TOTAL	7.1%
FORT NELSON DISTRICT GRASSLANDS IN PROTECTED AREAS (ha.)	36894
% OF TOTAL FORT NELSON DISTRICT GRASSLANDS IN PROTECTED AREAS	69.0%
FORT NELSON DISTRICT GRASSLANDS IN AGRICULTURAL LAND RESERVE (ha.)	0
% OF TOTAL FORT NELSON DISTRICT GRASSLANDS IN AGRICULTURAL LAND RESERVE	0.0%

* Grasslands in this District are still undergoing verification, and some areas mapped may not actually be true, native grassland (they may naturally be spruce/willow/birch/aspen forests, wetlands, or other types of communities). This coupled with the fact that there is a lack of basic definition for grasslands in the high North creates uncertainty around statistics generated from this District. Statistics will likely change.

PRINCE GEORGE REGION - PRINCE GEORGE DISTRICT GRASSLANDS

OPEN GRASSLANDS (ha.)	11
TOTAL PRINCE GEORGE DISTRICT GRASSLANDS	11
PRINCE GEORGE DISTRICT GRASSLANDS AS % OF PROVINCIAL TOTAL	<0.1%
PRINCE GEORGE DISTRICT GRASSLANDS IN PROTECTED AREAS (ha.)	2
% OF TOTAL PRINCE GEORGE DISTRICT GRASSLANDS IN PROTECTED AREAS	18.2%

PRINCE GEORGE DISTRICT GRASSLANDS IN AGRICULTURAL LAND RESERVE (ha.)	0
% OF TOTAL PRINCE GEORGE DISTRICT GRASSLANDS IN AGRICULTURAL LAND RESERVE	0.0%

PRINCE GEORGE REGION - ROBSON VALLEY DISTRICT GRASSLANDS	
OPEN GRASSLANDS	83
TOTAL ROBSON VALLEY DISTRICT GRASSLANDS (ha.)	83
ROBSON VALLEY DISTRICT GRASSLANDS AS % OF PROVINCIAL TOTAL	<0.1%
ROBSON VALLEY DISTRICT GRASSLANDS IN PROTECTED AREAS (ha.)	79
% OF TOTAL ROBSON VALLEY DISTRICT GRASSLANDS IN PROTECTED AREAS	95.2%
ROBSON VALLEY DISTRICT GRASSLANDS IN AGRICULTURAL LAND RESERVE (ha.)	0
% OF TOTAL ROBSON VALLEY DISTRICT GRASSLANDS IN AGRICULTURAL LAND RESERVE	0.0%

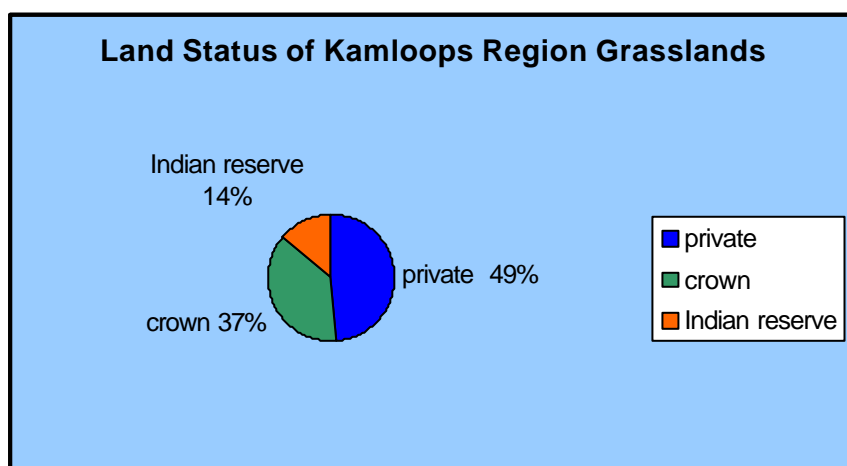
PRINCE GEORGE REGION - VANDERHOOF DISTRICT GRASSLANDS	
OPEN GRASSLANDS (ha.)	1778
TOTAL VANDERHOOF DISTRICT GRASSLANDS (ha.)	1778
VANDERHOOF DISTRICT GRASSLANDS AS % OF PROVINCIAL TOTAL	0.2%
VANDERHOOF DISTRICT GRASSLANDS IN PROTECTED AREAS (ha.)	220
% OF TOTAL VANDERHOOF DISTRICT GRASSLANDS IN PROTECTED AREAS	12.4%
VANDERHOOF DISTRICT GRASSLANDS IN AGRICULTURAL LAND RESERVE (ha.)	15
% OF TOTAL VANDERHOOF DISTRICT GRASSLANDS IN AGRICULTURAL LAND RESERVE	0.8%

2. GRASSLAND STATISTICS BY FOREST REGION

Comprehensive grassland and land status statistics have been generated for the Kamloops Forest Region only. Consistent land status data was readily available for the Region, and has therefore been used in this statistical summary. Once land status data has been acquired for the Cariboo, Prince George, Nelson, Prince Rupert, and Vancouver Regions, similar summaries will be available for those areas as well.

KAMLOOPS REGION* GRASSLANDS	
BURNED FOREST IN PP/BG BGC ZONE (ha.)	5049
OPEN DRY FOREST IN NDT4 (ha.)	12150
OPEN DRY FOREST ADJACENT TO OPEN GRASSLANDS (ha.)	12796
OPEN GRASSLANDS (ha.)	346870
TOTAL KAMLOOPS REGION GRASSLANDS (ha.)	376865
KAMLOOPS REGION GRASSLANDS AS % OF PROVINCIAL TOTAL	50.2%
KAMLOOPS REGION GRASSLANDS IN PROTECTED AREAS (ha.)	20176
% OF TOTAL KAMLOOPS REGION GRASSLANDS IN PROTECTED AREAS	5.4%
KAMLOOPS REGION GRASSLANDS IN AGRICULTURAL LAND RESERVE (ha.)	185224
% OF TOTAL KAMLOOPS REGION GRASSLANDS IN AGRICULTURAL LAND RESERVE	49.1%
KAMLOOPS REGION GRASSLANDS ON PRIVATE LAND (ha.)	181931
% OF TOTAL KAMLOOPS REGION GRASSLANDS ON PRIVATE LAND	48.3%
KAMLOOPS REGION GRASSLANDS ON CROWN LAND (ha.)	140899
% OF TOTAL KAMLOOPS REGION GRASSLANDS ON CROWN LAND	37.4%
KAMLOOPS REGION GRASSLANDS ON INDIAN RESERVE (ha.)	53412
% OF TOTAL KAMLOOPS REGION GRASSLANDS ON INDIAN RESERVE	14.2%

* Kamloops Region includes the Kamloops and Okanagan TSAs, Lillooet, and Merritt Forest Districts

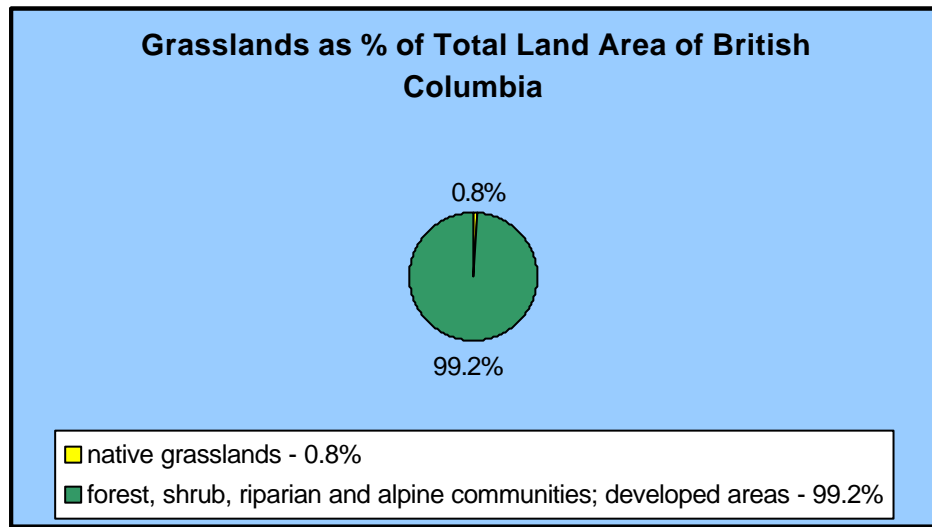


3. PROVINCIAL GRASSLAND STATISTICS

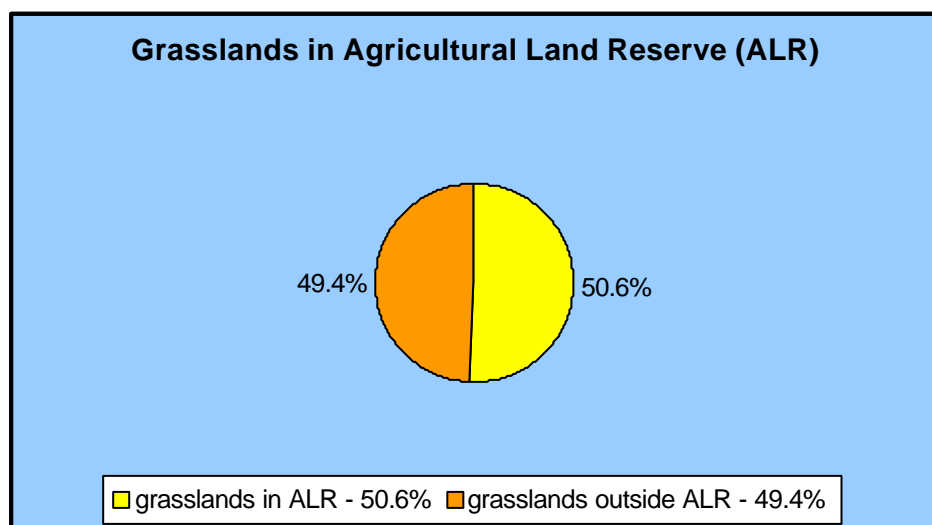
GRASSLANDS IN BRITISH COLUMBIA	
TOTAL LAND AREA* OF BRITISH COLUMBIA (ha.)	93000000
TOTAL GRASSLANDS** (ha.)	750725
GRASSLANDS AS % OF TOTAL LAND AREA OF BC	0.8%

* Area of fresh water lakes not included

** Does not include grasslands in the Prince Rupert and South Vancouver Island/Gulf Islands Regions (~5% of total grasslands in BC)

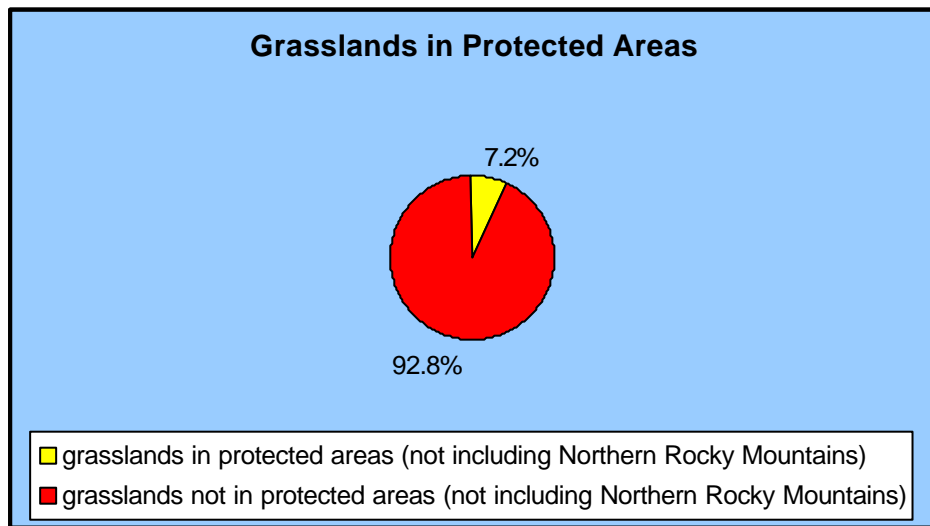


GRASSLANDS IN AGRICULTURAL LAND RESERVE	
TOTAL AGRICULTURAL LAND RESERVE (ALR) (ha.)	4656468
TOTAL GRASSLANDS (ha.)	750725
GRASSLANDS IN ALR (ha.)	379594
% OF GRASSLANDS IN ALR	50.6%



GRASSLANDS IN PROTECTED AREAS	
TOTAL PROTECTED AREAS (ha.)	11188899
TOTAL GRASSLANDS (ha.)	750725
GRASSLANDS IN PROTECTED AREAS (ha.)*	87058
% OF GRASSLANDS IN PROTECTED AREAS	11.6%
GRASSLANDS IN PROTECTED AREAS (ha.) (not including Northern Rocky Mountains Park)	54358
% OF GRASSLANDS IN PROTECTED AREAS (not including Northern Rocky Mountains Park)	7.2%

* Approximately 32 700 ha of the total 87 058 ha of grasslands protected occur within Northern Rocky Mountains Provincial Park in the Fort Nelson Forest District. Grasslands in this District are still undergoing verification, and some areas mapped may not actually be true, native grassland (they may naturally be spruce/willow/birch/aspen forests, wetlands, or other types of communities). This coupled with the fact that there is a lack of basic definition for grasslands in the high North creates uncertainty around statistics generated from this District. Therefore, there is also uncertainty regarding grassland protected area statistics from this District.



4. METADATA AND NOTES

a) Source data used in the development of 1:20 000 scale grassland maps:

- Ministry of Forests' Forest Cover data (1:20 000; various dates) (acquired from Forest Districts and Regions—various dates 2000 - 2002)
- Ministry of Forests' Biogeoclimatic Zones data (1:250 000; 1995) (acquired from MOF Victoria—Dec 2000)

b) Source data used for land status statistics:

- Ministry of Forests' Ownership data for the Kamloops Region. Statistics generated on private land, crown land and Indian reserve. (1:20 000; Dec 1995 to Jan 1998) (acquired from Southern Interior Region Ministry of Sustainable Resource Management \$AL2/cad directory—Jan 2002)
- Land Reserve Commission's Agricultural Land Reserve (1:20 000; Jan 2000) (acquired from Southern Interior Region Ministry of Sustainable Resource Management \$AW/bndry directory—Mar 2002)
- BC Parks' Parks and Protected Areas (1:20 000; Sep 2001) (acquired from Southern Interior Region Ministry of Sustainable Resource Management \$AL2/parks directory—Mar 2002)

* the land status data used in this statistical analysis will be incorporated into the grasslands GIS, representing a component of the second layer of information.

c) Explanation of four categories used to generate total grasslands numbers:

Important note: There is much overlap among the four categories with respect to their attributes. For example, a 'Burned Forest in PP/BG BGC Zone' may also be an 'Open Dry Forest in NDT4'. Similarly, an 'Open Dry Forest Adjacent to Open Grasslands' may also be classified as 'Open Grasslands'. The statistics have been generated in a particular order to remedy the redundancies created by this overlap and accurately determine 'total grasslands' numbers for each Forest District/Region.

1. Burned Forest in PP/BG BGC Zone = Not sufficiently restocked (NSR) forest stand in Ponderosa Pine or Bunchgrass Biogeoclimatic Zone with a burn history
2. Open Dry Forest in NDT4 = Dry forest stand in Interior Douglas Fir, Ponderosa Pine, or Bunchgrass Biogeoclimatic Zone with 0-10% crown closure
 - * NDT4 = Natural Disturbance Type (NDT) 4; frequent, stand maintaining fires; represented by Interior Douglas Fir, Ponderosa Pine, and Bunchgrass Biogeoclimatic Zones
3. Open Dry Forest Adjacent to Open Grasslands = Dry forest stand with 0-10% crown closure adjacent to Open Range

The following are considered 'dry' forest stands:

In the Kamloops Region:

- Douglas Fir leading with >80% composition of stand
- Douglas Fir leading / Lodgepole Pine second species
- Douglas Fir leading / Ponderosa Pine second species
- Ponderosa Pine leading

In the Cariboo Region:

- Douglas Fir leading with >80% composition of stand
- Douglas Fir leading / Lodgepole Pine second species
- Douglas Fir leading / Ponderosa Pine second species
- Ponderosa Pine leading
- Lodgepole Pine leading with >80% composition of stand

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- Lodgepole Pine leading / Douglas Fir, Larch, White Pine, or Ponderosa Pine second species

In the Nelson Region (draft):

- Douglas Fir leading with >80% composition of stand
- Douglas Fir leading / Lodgepole Pine second species
- Douglas Fir leading / Ponderosa Pine second species
- Ponderosa Pine leading

In the Prince George Region:

- No NDT4 occurs in this region

4. Open Grasslands = Open Range