



ORDER – Grizzly Bear Specified Area # 8-232

This order is given under the authority of section 9(1) of the *Government Actions Regulation* (B.C. Reg. 582/2004).

The Deputy Minister of Environment orders that:

1. the specified area shown in the map set out in the attached Schedule A (8-232) and boundaries contained in the GIS file *twha_bc* are established;
2. the specified area in the attached Schedule A and boundaries contained in the GIS file *twha_bc* are established for Grizzly Bear (*Ursus arctos*);
3. the general wildlife measures outlined in Schedule 1 are established for the specified area in the attached Schedule A and boundaries contained in the GIS file *twha_bc*;
4. where there is any discrepancy between the specified area boundary as shown in the attached Schedule A and the GIS file *twha_bc*, the boundary as detailed in the GIS file will take precedent. The centre point of the line on the map denoting the wildlife habitat area establishes the boundary;
5. woodlot licence agreements are exempt from this Order;
6. for the purposes of section 2(3)(a) of the *Government Actions Regulation*, the general wildlife measures outlined in Schedule 1 apply to minor tenures;
7. the general wildlife measures outlined in Schedule 1 do not apply for the purposes of exploration, development and production activities when these activities have been authorized for the purpose of subsurface resource exploration, development or production by the *Mineral Tenure Act*, the *Coal Act*, the *Mines Act*, the *Petroleum and Natural Gas Act*, the *Pipeline Act* or the *Geothermal Resources Act*;
8. private land, Federal land and Parks and Protected Areas are excluded from the application of these general wildlife measures; and
9. the general wildlife measures outlined in Schedule 1 do not apply to the extent they would prevent the following:
 - i. operations required for safety reasons, and
 - ii. recovery of timber damaged by fire, insects or other similar events.

Definition:

Main haul road is defined as a Forest Service Road (FSR) or licensee mainline.

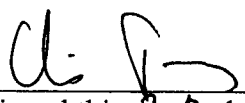
Schedule 1 – General Wildlife Measures

Harvesting and silviculture

1. Forest practices will result in at least 10% of each management unit containing forest stands that exhibit a height of at least 19.5 meters, in patches that are at least 5 hectares in size. Management units are defined as the area of each BEC subzone within each landscape unit.
2. Forest harvesting along avalanche tracks, that are at least 40 meters in width, will result in forest stands that are at least 15 meters in height for: 100 meters on one side of the avalanche track, or 50 meters on both sides of the avalanche track.
3. Timber harvest and site preparation practices, in the BEC subzone variants described in Table 1, will not inhibit *Vaccinium* spp. productivity.
4. Planting of tree seedlings in harvested riparian site series will result in stocking densities that are consistent with maintaining plant communities that produce bear forage. Areas that did not have forest cover before timber harvesting was carried out will not be subjected to planting of trees.
5. No cutting of non-merchantable stems within 20 meters of main haul roads.

Table 1: Important Berry Producing Site Series

BEC Subzone Variants	Site Series
ESSFdc1	01, 04
ESSFdc2	01, 04, 05
ESSFwc2	01, 02, 03, 04, 05
ESSFwc4	01, 02, 03, 04
ESSFxc	01
ESSFvc	01, 02, 03
ESSFvv	01, 03
ICHvk1	03
ICHwk1	01, 04


Signed this 24th day of May, 2006
Chris Trumpy, Deputy Minister
Ministry of Environment

Appendix 1

Note that the appendix is not part of the legal Order for 8-232. It is intended to provide guidance for meeting the General Wildlife Measures addressed in the order.

1. It is intended that Parks and Protected areas, contained within the boundary identified in the attached Schedule A, can contribute to the forest cover requirements for each management unit.
2. The sites series identified in Table 1 are capable of supporting productive berry producing areas for grizzly bears. *Vaccinium* spp. productivity can be impacted by site preparation and/or timber harvest practices. The intent is to increase berry productivity following timber harvest through less intrusive forest practices, such as logging and skidding on snowpack.
3. Table 2 is provided from the Okanagan Shuswap LRMP document, and depicts initial stocking rates that would promote plant community development that would be favourable as grizzly bear forage.

Table 2: Riparian Site Series Stocking Rates in Grizzly Bear Habitat

BEC Subzone Variant	Site Series	Stocking Target	Stocking Minimum	Comments
ESSFdc1	06	700	400	
ESSFdc1	07	Non-forest	Non-forest	
ESSFdc2	08	700	400	
ESSFdc2	09	Non-forest	Non-forest	
ESSFvc	05	700	400	
ESSFvc	06	Non-forest	Non-forest	
ESSFvv	05	Non-forest	Non-forest	
ESSFwc2	08	700	400	
ESSFwc2	09	400	100	
ESSFwc2	10	Non-forest	Non-forest	
ESSFwc4	07	700	400	
ESSFwc4	08	Non-forest	Non-forest	
ESSFxc	08	700	400	
ESSFxc	09, 10	Non-forest	Non-forest	
ICHmk1	07	700	400	
ICHmk1	08	Non-forest	Non-forest	
ICHmk2	06	700	400	
ICHmw2	06	700	400	
ICHmw2	07	700	400	
ICHmw2	08	Non-forest	Non-forest	
ICHmw3	07	900	600	Only on flatter sites
ICHmw3	08	700	400	
ICHmw3	09	Non-forest	Non-forest	
ICHvk1	05	900	600	Only on flatter sites
ICHvk1	06	700	400	
ICHwk1	05	900	600	Only on flatter sites
ICHwk1	06	700	400	
ICHwk1	07	700	400	
ICHwk1	08	Non-forest	Non-forest	
MSdm1	07	700	400	
MSdm1	08	Non-forest	Non-forest	

Note: The BEC subzone variant site series information was based on Lloyd *et al* (1990) A Guide to Site Identification and Interpretation for the Kamloops Forest Region.