



**MATERIAL SUPPORTING THE NOTICE, BUT NOT PART OF THE NOTICE.**

**INFORMATION CONCERNING WILDLIFE HABITAT FOR THE SURVIVAL OF SPECIES AT RISK IN THE ARROW BOUNDARY FOREST DISTRICT**

This document is intended to provide background information and support to the legal framework of the Notice of indicators of the amount, distribution and attributes of wildlife habitat required for the survival of species at risk in the Arrow Boundary Forest District. This document is not part of the legal Notice. Its purpose is to provide additional information for consideration by delegated decision makers and by those persons required to prepare results and strategies consistent with section 7(1) of the Forest Planning and Practices Regulation or act in a manner consistent with section 9(2) of the *Woodlot Licence Planning and Practices Regulation*.

**1. BACKGROUND INFORMATION**

The 1% impact budget associated with the Identified Wildlife Management Strategy is directed at the short-term timber supply. For the purpose of this Notice the short-term timber supply budget represents the total mature timber harvesting land base (THLB) in age classes older than 80 years. Within the Arrow Boundary Forest District the short-term timber supply budget is equal to 4,259 ha. Current to August 1, 2004, there are no approved wildlife habitat areas in the forest district. Therefore, the remaining available budget is 4,259 ha. Table 1 summarizes the amount of area included in the Notice as well as the amount of area in approved WHAs and their respective impacts to the mature THLB.

Indicators of amount, distribution and attributes included in the Notice are based on existing data, current knowledge of species distribution, inventory efforts, and species biology, including territory size and intraspecific competition. In many cases, comprehensive inventories have not been completed. Where inventory work generates a greater number of known occurrences and suitable habitat, the Notice may be amended to reflect a greater number of anticipated wildlife habitat areas. Any amendment to the Notice will be consistent with the policy direction on timber supply impacts.

Species accounts for each of the species mentioned in the Notice can be obtained from the Identified Wildlife Management Strategy website:

[http://wlapwww.gov.bc.ca/wld/identified/iwms2004\\_index.htm](http://wlapwww.gov.bc.ca/wld/identified/iwms2004_index.htm)

**Table 1. Summary of mature THLB impacts for amounts included in the Notice and approved WHAs in the Arrow Boundary Forest District.**

Species	Total Area (ha)	Estimated Mature THLB (ha)	Percent of 1% District Budget
<b>Amounts in Notice</b>			
Coeur d'Alene Salamander	20.0	12.0	0.3
Flammulated Owl	216.0	168.0	4.0
“Interior” Western Screech-Owl	22.0	12.0	0.3
<b>Subtotal</b>	<b>258.0</b>	<b>192.0</b>	<b>4.6</b>
<b>No Approved Wildlife Habitat Areas</b>			
<b>Total</b>	<b>258.0</b>	<b>192.0</b>	<b>4.6</b>

Figures and spatial information (shapefiles) to support the amount and distribution statements for species included in the Notices are included in the folders titled “Figures” and “Spatial Data” on the following ftp site:

[ftp://ribftp.env.gov.bc.ca/pub/outgoing/cdc\\_data/Approved\\_FRPR\\_sec7\\_WLPPR\\_sec9\\_Notices\\_and\\_Supporting\\_Info/Species\\_at\\_Risk/Arrow\\_Boundary\\_FD/Supporting\\_Info/](ftp://ribftp.env.gov.bc.ca/pub/outgoing/cdc_data/Approved_FRPR_sec7_WLPPR_sec9_Notices_and_Supporting_Info/Species_at_Risk/Arrow_Boundary_FD/Supporting_Info/)

Inclusion of draft and proposed Wildlife Habitat Area boundaries in the supporting information does not prejudice the review and comment that may be ongoing around these Wildlife Habitat Areas. Where Wildlife Habitat Areas have not been through the full review and comment process, MWLAP will continue to work with affected parties to address the Wildlife Habitat Area boundaries.

The following section is intended to clarify the amount, distribution and attribute statements in the legal Notice.

### **1) Coeur d’Alene Salamander (*Plethodon idahoensis*)**

***Amount:***

The amount in the Notice is based on the anticipated need for 2 future wildlife habitat areas for Coeur d’Alene Salamander. Information is available from the Ministry of Water, Land and Air Protection. Estimates of mature timber supply impacts are based on estimates provided in the “Estimated Impact of the Identified Wildlife Management Strategy (Version 2004) on Provincial Timber Supply”.

A total of 130 ha (78 THLB), intended to address 13 future WHAs, has been identified as a long-term projection for this species.

Due to data sensitivity concerns locations of draft Coeur d’Alene Salamander WHAs are not provided here. For information on draft WHA boundaries contact the Ministry of Water, Land and Air Protection, Nelson, Ted Antifeau.

## 2) Flammulated Owl (*Otus flammeolus*)

### **Amount:**

Flammulated Owl is not indicated to occur in the Arrow Boundary Forest District in the *Accounts and Measures for Managing Identified Wildlife* in the Identified Wildlife Management Strategy Version 2004. However, recent inventory effort has occurrence data for Flammulated Owl in the forest district. As a result, an amount for Flammulated Owl has been included in the Notice.

The amount in the Notice is based on the anticipated need for 12 future wildlife habitat areas for Flammulated Owl or an aggregated area that is equivalent to the specified amount to which General Wildlife Measures would be applied. Information is available from the Ministry of Water, Land and Air Protection. Estimates of mature timber supply impacts are based on estimates provided in the “Estimated Impact of the Identified Wildlife Management Strategy (Version 2004) on Provincial Timber Supply”.

A total of 594 ha (396 THLB), intended to address 33 future WHAs, has been identified as a long-term projection for this species.

Figure 1 shows the location of the Flammulated Owl occurrences in the Arrow-Boundary Forest District. These locations are based on best available information. MWLAP is currently examining these locations and others collected during recent field surveys. It is anticipated that updated information will be available in July 2005. Please contact Orville Dyer, MWLAP, Penticton for more information.

## 3) “Interior” Western Screech-Owl (*Otus kennicotti macfarlanei*)

### **Amount:**

The amount in the Notice is based on the anticipated need for 1 future wildlife habitat areas for “Interior” Western Screech-Owl. Information is available from the Ministry of Water, Land and Air Protection. Estimates of mature timber supply impacts are based on estimates provided in the “Estimated Impact of the Identified Wildlife Management Strategy (Version 2004) on Provincial Timber Supply”.

A total of 418 ha (228 THLB), intended to address 19 future WHAs, has been identified as a long-term projection for this species.

Figure 1 shows the detection and location of the future WHA for Western Screech Owl.

## 4) White-headed Woodpecker (*Picoides albolarvatus*)

No amount for White-headed Woodpecker has been included in the Notice. This species range includes the Arrow Boundary Forest District, however there is no recent occurrence data. Where

inventory work generates known occurrences and suitable habitat, the Notice may be amended to include indicators of the amount, distribution and attributes for this species.

#### **5) Tiger Salamander (*Ambystoma tigrinum*)**

***Amount:***

An amount for Tiger Salamander has not been included in the Notice. This species is known to occur in the district, but there is no current information that would allow an amount, distribution and attributes to be identified. Where inventory work generates known occurrences and suitable habitat, the Notice may be amended to include indicators of the amount, distribution and attributes for this species.

A total of 100 ha (75 THLB), intended to address 5 WHAs, has been identified as a long-term projection for this species in this district.

#### **6) Great Basin Spadefoot (*Spea intermontana*)**

***Amount:***

An amount for Great Basin Spadefoot has not been included in the Notice. This species is known to occur in the district, but there is no current information that would allow an amount, distribution and attributes to be identified. Where inventory work generates known occurrences and suitable habitat, the Notice may be amended to include indicators of the amount, distribution and attributes for this species.

A total of 100 ha, intended to address 10 WHAs, has been identified as a long-term projection for this species in this district.

#### **7) “Great Basin” Gopher Snake (*Pituophis catenifer deserticola*)**

***Amount:***

An amount for “Great Basin” Gopher Snake has not been included in the Notice. This species is known to occur in the district, but there is no current information that would allow an amount, distribution and attributes to be identified. Where inventory work generates known occurrences and suitable habitat, the Notice may be amended to include indicators of the amount, distribution and attributes for this species.

A total of 2500 ha, intended to address 10 WHAs, has been identified as a long-term projection for this species in this district.

#### **8) Lewis’s Woodpecker (*Melanerpes lewis*)**

***Amount:***

An amount for Lewis's Woodpecker has not been included in the Notice. This species is known to occur in the district, but there is no current information that would allow an amount, distribution and attributes to be identified. Where inventory work generates known occurrences and suitable habitat, the Notice may be amended to include indicators of the amount, distribution and attributes for this species.

A total of 672 ha, intended to address 24 WHAs, has been identified as a long-term projection for this species in this district.

#### **9) Badger (*Taxidea taxus jeffersonii*)**

***Amount:***

An amount for Badger has not been included in the Notice. This species is known to occur in the district, but there is no current information that would allow an amount, distribution and attributes to be identified. Where inventory work generates known occurrences and suitable habitat, the Notice may be amended to include indicators of the amount, distribution and attributes for this species.

#### **10) Fringed Myotis (*Myotis thysanodes*)**

***Amount:***

An amount for Fringed Myotis has not been included in the Notice. This species is known to occur in the district, but there is no current information that would allow an amount, distribution and attributes to be identified. Where inventory work generates known occurrences and suitable habitat, the Notice may be amended to include indicators of the amount, distribution and attributes for this species.

#### **11) Mountain Caribou (*Rangifer tarandus caribou*)**

***Amount:***

Mountain Caribou has not been included in the Notice. The Arrow Boundary Landuse Plan Higher Level Plan contains objectives for the management of Mountain Caribou. For the purpose of planning under FRPA these HLP objectives represent the objective set by government for Mountain Caribou.

#### **12) Grizzly Bear (*Ursus arctos*)**

***Amount:***

Grizzly Bear has not been included in the Notice. The Arrow Boundary Landuse Plan Higher Level Plan contains objectives for the management of Grizzly Bear. For the purpose of planning under FRPA these HLP objectives represent the objective set by government for Grizzly Bear.