

APPENDIX #3

WILDLIFE SPECIES STATUS

Status Categories

The following table defines the risk categories used for ranking wildlife species in Alberta.

Rank (2000)	Equivalent Previous Rank (1996)	Definition
At Risk	Red	Any species known to be 'At Risk' after formal detailed status assessment and designation as 'Endangered' or 'Threatened' in Alberta
May Be At Risk	Blue	Any species that may be at risk of extinction or extirpation, and is therefore a candidate for detailed risk assessment.
Sensitive	Yellow	Any species that is not at risk of extinction or extirpation but that may require special attention or protection to prevent it from becoming at risk.
Secure	Green	A species that is not 'At Risk', 'May Be At Risk' or 'Sensitive'
Undetermined	Status Undetermined	Any species for which insufficient information, knowledge or data is available to reliably evaluate its general status.
Not Assessed	n/a	Any species that has not been examined for the 2000 status report
Exotic/Alien	n/a	Any species that has been introduced as a result of human activities
Extirpated/Extinct	n/a	Any species that no longer thought to be present in Alberta ('Extirpated' or no longer believed to be present anywhere in the world ('Extinct'))
Accidental/Vagrant	n/a	Any species occurring infrequently and unpredictably in Alberta i.e. outside of its usual range. (These species may be in Alberta due to unusual weather occurrences, an accident during migration, or an unusual breeding behaviour by a small number of individuals. If a species appears in Alberta with increasing predictability and more frequently, it may eventually be given a different rank.)

Amphibians

Category	Species	Known to be Present in FMA
At Risk	Northern Leopard Frog	
	Great Plains Toad	
	Canadian Toad	
May Be At Risk	Spotted Frog	
	Plains Spadefoot	
Sensitive	Long-toed Salamander	
Secure	Boreal Toad	
	Boreal Chorus Frog	
	Tiger Salamander	
	Wood Frog	

Reptiles

Category	Species	Known to be Present in FMA
May Be At Risk	Prairie Rattlesnake	
	Short-horned Lizard	
	Western Hognose Snake	
Sensitive	Bull Snake	
	Plains Garter Snake	
	Red-sided Garter Snake	
	Wandering Garter Snake	
	Western Painted Turtle	

Birds

Category	Species	Known to be Present in FMA
Extirpated	Greater Prairie Chicken	
At Risk	Burrowing Owl	
	Peregrine Falcon	
	Piping Plover	
	Whooping Crane	

Category	Species	Known to be Present in FMA
May Be At Risk	Bay-breasted Warbler	
	Black-throated Green Warbler	
	Cape May Warbler	
	Ferruginous Hawk	
	Long-billed Curlew	
	Sage Grouse	
	Short-eared Owl	
	Sprague's Pipit	
	Trumpeter Swan	
Sensitive	American Avocet	
	American Bittern	
	American Dipper	
	American White Pelican	
	Baird's Sparrow	
	Bald Eagle	
	Barred Owl	
	Black Swift	
	Black Tern	
	Black-and-white Warbler	
	Black-backed Woodpecker	
	Black-crowned Night Heron	
	Black-necked Stilt	
	Boblink	
	Boreal Owl	
	Brewer's Sparrow	
	Broad-winged Hawk	
	Brown Creeper	
	Brown Thrasher	
	Canada Warbler	
	Caspian Tern	
	Chestnut-sided Warbler	
	Clark's Grebe	
	Clark's Nutcracker	
	Clay-colored Sparrow	
	Cooper's Hawk	
	Double-crested Cormorant	
	Forster's Tern	
	Golden Eagle	
	Golden-crown Sparrow	
Grasshopper Sparrow		
Great Blue Heron		
Great Gray Owl		
Great-crested Flycatcher		
Harlequin Duck		
Herring Gull		
Horned Grebe		
Lark Sparrow		
Lesser Yellowlegs		
Loggerhead Shrike		

Category	Species	Known to be Present in FMA
	Marsh Wren	
	Mountain Plover	
	Mourning Warbler	
	Northern Goshawk	
	Northern Harrier	
	Osprey	
	Pied-billed Grebe	
	Pileated Woodpecker	
	Prairie Falcon	
	Red-necked Grebe	
	Ring-necked Pheasant	
	Rock Wren	
	Sandhill Crane	
	Sedge Wren	
	Sharp-tailed Grouse	
	Steller's Jay	
	Swainson's Hawk	
	Townsend's Warbler	
	Turkey Vulture	
	Upland Sandpiper	
	Western (or Cordilleran) Flycatcher	
	Western Grebe	
	Western Meadowlark	
	Western Tanager	
	White-faced Ibis	
	Willet	
	Yellow-breasted Chat	
Secure	Alder Flycatcher	
	American Black Duck	
	American Coot	
	American Crow	
	American Goldfinch	
	American Kestrel	
	American Pipit	
	American Redstart	
	American Robin	
	American Tree Sparrow	
	American Wigeon	
	Ancient Murrelet	
	Anna's Hummingbird	
	Artic Tern	
	Baird's Sandpiper	
	Band-tailed Pigeon	
	Bank Swallow	
	Barn Swallow	
	Barrow's Goldeneye	
	Belted Kingfisher	
	Bendire's Thrasher	
	Black Guillemot	
	Black Scoter	

Category	Species	Known to be Present in FMA
	Black-bellied Plover	
	Black-billed Magpie	
	Blackburnian Warbler	
	Black-capped Chickadee	
	Black-chinned Hummingbird	
	Black-headed Grosbeak	
	Black-legged Kittiwak	
	Blackpoll Warbler	
	Black-throated Blue Warbler	
	Black-throated Gray Warbler	
	Black-throated Green Warbler	
	Blue Grouse	
	Blue Jay	
	Blue-gray Gnatcatcher	
	Blue-winged Teal	
	Bohemian Waxwing	
	Bonaparte's Gull	
	Boreal Chickadee	
	Brambling	
	Brant	
	Brewer's Blackbird	
	Brown-headed Cowbird	
	Buff-breasted Sandpiper	
	Bufflehead	
	California Gull	
	Calliope Hummingbird	
	Canada Goose	
	Canvasback	
	Carolina Wren	
	Cassin's Sparrow	
	Cattle Egret	
	Cedar Waxwing	
	Chestnut-backed Chickadee	
	Chestnut-collared Longspur	
	Chipping Sparrow	
	Cinnamon Teal	
	Cliff Swallow	
	Common Crane	
	Common Goldeneye	
	Common Grackle	
	Common Loon	
	Common Merganser	
	Common Nighthawk	
	Common Poorwill	
	Common Raven	
	Common Redpoll	
	Common Snipe	
	Common Tern	
	Common Yellowthroat	
	Connecticut Warbler	
	Costa's Hummingbird	

Category	Species	Known to be Present in FMA
	Curlew Sandpiper	
	Dark-eyed Junco	
	Dickcissel	
	Downy Woodpecker	
	Dunlin	
	Dusky Flycatcher	
	Eared Grebe	
	Eastern Bluebird	
	Eastern Kingbird	
	Eastern Phoebe	
	Eastern Screech-Owl	
	Eskimo Curlew	
	Eurasian Wigeon	
	European Starling	
	Evening Grosbeak	
	Fox Sparrow	
	Franklin's Gull	
	Gadwall	
	Garganey	
	Glaucous Gull	
	Glaucous-winged Gull	
	Golden-crowned Kinglet	
	Gray Catbird	
	Gray Jay	
	Gray Partridge	
	Gray-cheeked Thrush	
	Great Egret	
	Great Horned Owl	
	Greater Black-backed Gull	
	Greater Scaup	
	Greater White-fronted Goose	
	Greater Yellowlegs	
	Green-backed Heron	
	Green-winged Teal	
	Gyr Falcon	
	Hairy Woodpecker	
	Hammond's Flycatcher	
	Harris' Sparrow	
	Hermit Thrush	
	Hoary Redpoll	
	Hooded Merganser	
	Hooded Warbler	
	Horned Lark	
	House Finch	
	House Sparrow	
	House Wren	
	Hudsonian Godwit	
	Iceland Gull	
	Indigo Bunting	
	Kentucky Warbler	
	Killdeer	

Category	Species	Known to be Present in FMA
	King Eider	
	Lapland Longspur	
	Lark Bunting	
	Lazuli Bunting	
	Le Conte's Sparrow	
	Least Flycatcher	
	Least Sandpiper	
	Lesser Black-backed Gull	
	Lesser Golden Plover	
	Lesser Scaup	
	Lewis' Woodpecker	
	Lincoln's Sparrow	
	Little Blue Heron	
	Little Gull	
	Long-billed Dowitcher	
	Long-eared Owl	
	Long-tailed Jaeger	
	MacGilvray's Warbler	
	Magnolia Warbler	
	Mallard	
	Marbled Godwit	
	McCown's Longspur	
	Merlin	
	Mew Gull	
	Mongolian Plover	
	Mountain Bluebird	
	Mountain Chickadee	
	Mourning Dove	
	Nashville Warbler	
	Northern Cardinal	
	Northern Flicker	
	Northern Hawk Owl	
	Northern Mockingbird	
	Northern Oriole	
	Northern Parula	
	Northern Pintail	
	Northern Rough-winged Swallow	
	Northern Saw-whet Owl	
	Northern Shoveler	
	Northern Shrike	
	Northern Waterthrush	
	Northern Wheatear	
	Oldsquaw	
	Olive-sided Flycatcher	
	Orange-crowned Warbler	
	Ovenbird	
	Pacific Loon	
	Palm Warbler	
	Parasitic Jaeger	
	Pectoral Sandpiper	
	Philadelphia Vireo	

Category	Species	Known to be Present in FMA
	Pine Grosbeak	
	Pine Siskin	
	Pine Warbler	
	Pomarine Jaeger	
	Purple Finch	
	Purple Martin	
	Red Crossbill	
	Red Knot	
	Red Phalarope	
	Red-breasted Merganser	
	Red-breasted Nuthatch	
	Red-breasted Sapsucker	
	Red-eyed Vireo	
	Redhead	
	Red-headed Woodpecker	
	Red-naped Sapsucker	
	Red-necked Phalarope	
	Red-tailed Hawk	
	Red-throated Loon	
	Red-winged Blackbird	
	Ring-billed Gull	
	Ring-necked Duck	
	Rock Dove	
	Rose-breasted Grosbeak	
	Ross' Goose	
	Rosy Finch	
	Rough-legged Hawk	
	Ruby-crowned Kinglet	
	Ruby-throated Hummingbird	
	Ruddy Duck	
	Ruddy Turnstone	
	Ruff	
	Ruffed Grouse	
	Rufous Hummingbird	
	Rufous-sided Towhee	
	Rusty Blackbird	
	Sabine's Gull	
	Sanderling	
	Savannah Sparrow	
	Say's Phoebe	
	Scarlet Tanager	
	Scissor-tailed Flycatcher	
	Semipalmated Plover	
	Semipalmated Sandpiper	
	Sharp-shinned Hawk	
	Sharp-tailed Sandpiper	
	Sharp-tailed Sparrow	
	Short-billed Dowitcher	
	Smith's Longspur	
	Snow Bunting	
	Snow Goose	

Category	Species	Known to be Present in FMA
	Snowy Egret	
	Snowy Owl	
	Snowy Plover	
	Solitary Sandpiper	
	Solitary Vireo	
	Song Sparrow	
	Sora	
	Spotted Sandpiper	
	Spruce Grouse	
	Stilt Sandpiper	
	Suff Scoter	
	Surfbird	
	Swainson's Thrush	
	Swamp Sparrow	
	Tennessee Warbler	
	Thayer's Gull	
	Three-toed Woodpecker	
	Townsend's Solitaire	
	Tree Swallow	
	Tricolored Heron	
	Tufted Duck	
	Tundra Swan	
	Varied Thrush	
	Veery	
	Vesper Sparrow	
	Violet-green Swallow	
	Wandering Tattler	
	Warbling Vireo	
	Western Bluebird	
	Western Kingbird	
	Western Sandpiper	
	Western Screech Owl	
	Western Wood-peewee	
	Whimbrel	
	White-breasted Nuthatch	
	White-crowned Sparrow	
	White-rumped Sandpiper	
	White-tailed Ptarmigan	
	White-throated Sparrow	
	White-winged Crossbill	
	White-winged Scoter	
	Wild Turkey	
	Williamson's Sapsucker	
	Willow Ptarmigan	
	Wilson's Phalarope	
	Wilson's Warbler	
	Winter Wren	
	Wood Duck	
	Wood Thrush	
	Yellow Warbler	
	Yellow-bellied Sapsucker	

Category	Species	Known to be Present in FMA
	Yellow-billed Cuckoo	
	Yellow-billed Loon	
	Yellow-headed Blackbird	
	Yellow-rumped Warbler	
Undetermined	Black-billed Cuckoo	
	Virginia Rail	
	Cassin's Finch	
	Willow Flycatcher	
	Common Poorwill	
	Yellow Rail	
	Northern Pygmy Owl	
	Yellow-bellied Flycatcher	
	Sage Thrasher	

Mammals

Category	Species	Known to be Present in FMA
Extirpated	Black-footed Ferret	
At Risk	Swift Fox	
	Wood Bison	
May Be At Risk	Grizzly Bear	
	Northern Long-eared Bat	
	Ord's Kangaroo Rat	
	Red-tailed Chipmunk	
	Wolverine	
	Woodland Caribou	
Sensitive	Badger	
	Bobcat	
	Canada Lynx	
	Cougar	
	Fisher	
	Hoary Marmot	
	Long-tailed Weasel	
	Richardson's Ground Squirrel	
	Thirteen-lined Ground Squirrel	
Secure	American Pine Marten	
	Arctic Fox	
	Arctic Shrew	
	Beaver	
	Big Brown Bat	
	Bighorn Sheep	
	Black Bear	
	Black Rat	

Category	Species	Known to be Present in FMA
	Bushy-tailed Woodrat	
	Columbian Ground Squirrel	
	Coyote	
	Deer Mouse	
	Dusky Shrew	
	Elk (Wapiti)	
	Ermine	
	Golden-mantled Ground Squirrel	
	Gray Fox	
	Gray Squirrel	
	Heather Vole	
	House Mouse	
	Least Chipmunk	
	Least Weasel	
	Little Brown Bat	
	Long-tailed Vole	
	Masked Shrew	
	Meadow Jumping Mouse	
	Meadow Vole	
	Mink	
	Moose	
	Moose Mountain Goat	
	Mule Deer	
	Muskrat	
	Northern Bog Lemming	
	Northern Pocket Gopher	
	Norway Rat	
	Pika	
	Porcupine	
	Pygmy Shrew	
	Raccoon	
	Red Bat	
	Red Fox	
	Red Squirrel	
	River Otter	
	Silver-haired Bat	
	Snowshoe Hare	
	Southern Red-backed Vole	
	Striped Skunk	
	Water Shrew	
	Western Jumping Mouse	
	White-tailed Deer	
	White-tailed Jack Rabbit	
	Wolf	
	Woodchuck	
	Yellow-bellied Marmot	
	Yellow-pine Chipmunk	

Category	Species	Known to be Present in FMA
Undetermined	Brown Lemming	
	Franklin's Ground Squirrel	
	Hoary Bat	
	Long-eared Bat	
	Long-legged Bat	
	Prairie Shrew	
	Prairie Vole	
	Sagebrush Vole	
	Taiga Vole	

APPENDIX #4

FORESTRY WILDLIFE

INTEGRATED TECHNICAL COMMITTEE

TERMS OF REFERENCE

ALBERTA NEWSPRINT COMPANY
FOREST MANAGEMENT AGREEMENT AREA
FORESTRY WILDLIFE INTEGRATED TECHNICAL COMMITTEE

TERMS OF REFERENCE

[re-typed from a printed copy]

"The Company, the Alberta Forest Service and the Fish and Wildlife Division will establish an integrated Forestry Wildlife Technical Committee (FWITC) in an advisory role to review and recommend operational guidelines for the effective management and integration of the wildlife species and zones in the forest management area."

-Alberta Newsprint Company Timber Ltd.
Forest management Agreement Timber Harvest Planning and Operating
Ground Rules, December 13, 1989

Terms of Reference for the Forestry Wildlife Integrated Technical Committee (FWITC) are;

- 1.) The FWITC committee was officially inaugurated March 26, 1990.
- 2.) Membership of the committee is to consist of one member or alternate from the company, the Alberta Forest Service, and from Fish and Wildlife Division. Other consultants may attend as required if mutually agreed.
- 3.) The committee will integrate Fish and Wildlife resource values and timber harvest planning by developing operational guidelines, resolving operational conflicts, assessing and applying effective integrated wildlife and forest management computer modelling techniques; as well as identifying issues and developing recommendations for their resolution.
- 4.) The Committee will:
 - i) Zone the FMA for wildlife species, set population goals by zone, and prepare appropriate guidelines for each zone; zones and guidelines will be amended as required; impacts on forest management goals and available timber inventory will be reviewed.
 - ii) Identify habitat or ecosystem inventory needs and determine how they may be integrated with timber inventories, plans and maps.
 - iii) Evaluate present and future habitat availability.
 - iv) Monitor integrated forest/fish/wildlife programs. This may include cost/benefit analysis, impacts on wood cost of procedures and tactics, and effectiveness of tactics in achieving goals.
 - v) Coordinate the development of integrated forest/fish/wildlife components of management plans prepared by the company and by the government, including

-setting population and habitat goals for fish and wildlife priority species on an FMA-wide and site-specific basis. Supply and demand factors for consumptive wildlife use will be identified.

-timber production goals and sites will be included as key requirements for long term integrated management.

- vi) Identify procedures and tactics for achieving F&W goals, in conjunction with timber management goals (eg., fish and wildlife habitat manipulation or protection, hunting regimes, access controls, predator controls, fish and wildlife regulations enforcement, timber harvest planning and systems, and regeneration treatments).
 - vii) Provide a forum for information exchange, issue discussion, and conflict resolution, on matters of interest to the company and/or the government.
 - viii) Identify knowledge gaps and research requirements, including recommending possible means of meeting these requirements (eg., University of Alberta, Canada Wildlife Service, cooperative research).
- 5.) The committee will employ a principle of mutual agreement for all decisions and recommendations.
- 6.) The committee is an advisory body which will work with established agencies, responsibilities, and procedures. Unresolved issues or conflicts will be referred by each committee member to appropriate higher authorities for resolution at that level.
- 7.) The committee may act as a mechanism for presenting public input to fish and wildlife concerns arising from development and management of the FMA.

-November 27, 1990