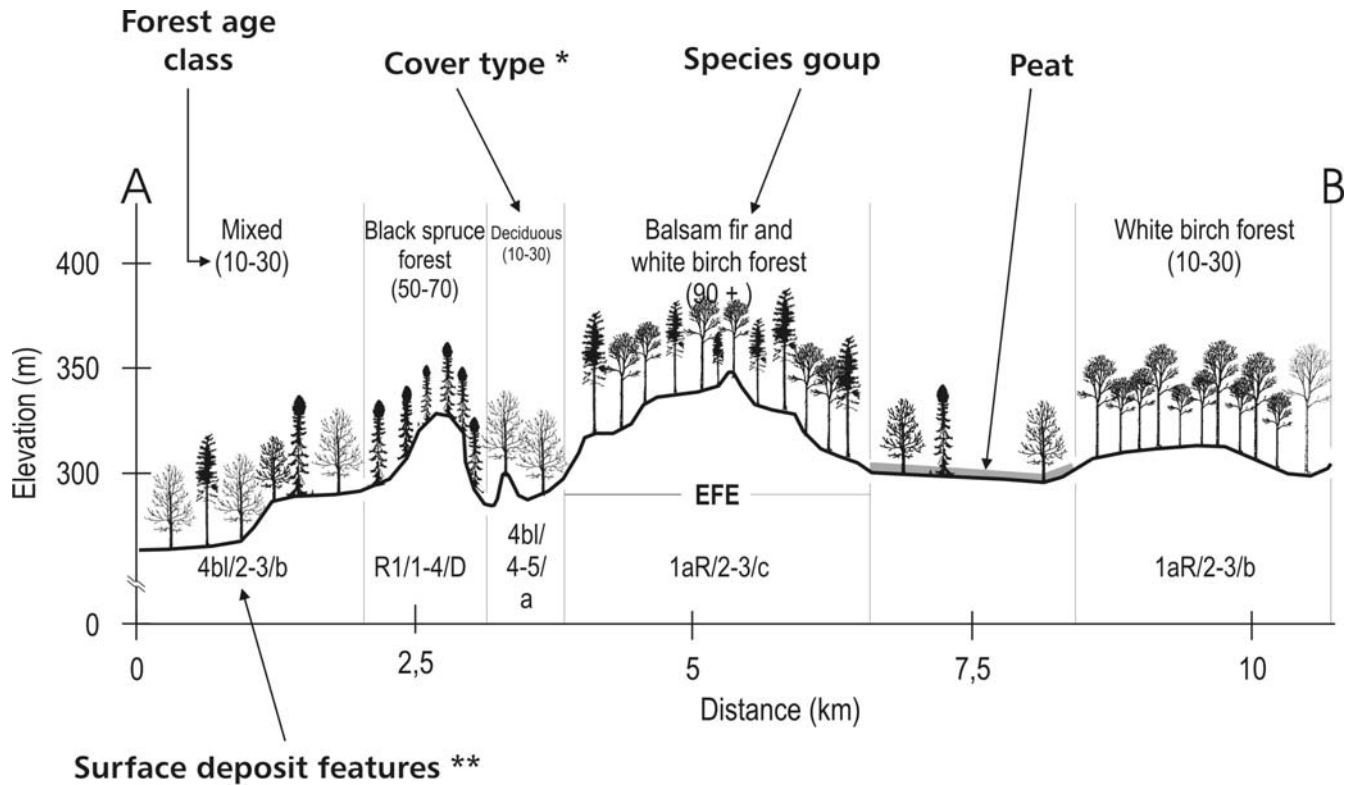


Appendix 6

Reading the transects

The transects were produced to provide an overview of the land forms, surface deposits and vegetation of each ecological unit. They trace a linear path determined on the basis of knowledge acquired during the validation of ecological information in the field. The following illustration indicates the elements used to interpret the information that appears on the transect diagrams of each ecological unit in section 3 of this document.

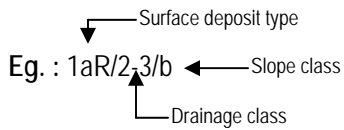


* When species group is unknown

** See surface deposits lexicon at next page

Note: Information concerning vegetation is a generalization illustrating the dominant feature of age class, cover type and species group.

Glossary of surface deposit codes³⁷



Surface deposit type

Glacial deposit (deposited directly by the glacier)

1a: thick till (> 0.5 m) undifferentiated, no morphology

1aR: thin till (< 0.5 m) undifferentiated, no morphology, over crystalline bedrock

Fluvioglacial deposit (deposited on contact with or near glacier by meltwater)

2ag: esker, sand and gravel (> 15% stoniness)

2bg: outwash plain, sand (> 15 % stoniness)

Glaciolacustrine deposit (deposited on the banks and in the deep waters of Barlow and Ojibway lakes)

4bl: silt and clay (deposit in deep water)

4df: subactual beach, fine lacustrine sand (< 15% stoniness)

Organic deposit (deposited by peat formation)

7a: thin peat (< 1 m) over clay and silt

7p: thick peat (> 1 m)

7t: thin peat (< 1 m) over till or sand

Alteration and slope bottom deposit (deposited by gravity)

8c(R): thin colluvium (< 0,5 m) over rock

Wind deposit (deposited by the wind)

9b: self dune

Rocky outcrops

R1: crystalline and till outcrop

Drainage

1: excessive

2-3: good to moderately good (dry to cool soil)

4-5: imperfect to poor (very cool to damp soil)

6: very poor (saturated soil)

*: presence of *seepage* (laminary movement of a fluid, usually water, through a porous saturated medium. Seepage may have a horizontal component).

Slope classes:

Single slopes (regular surface)

A: nearly level

B: strongly sloping

C: moderately steep

D: steep

E: very steep

Complex slopes (irregular surface) Slope (%)

a: gently undulating unit 0 to 5

b: strongly undulating unit 5 to 10

c: gently rolling unit 10 to 15

d: strongly rolling unit 15 to 30

e: very steep > 30

³⁷ Adapted from the ecological reference framework of the RCM of La Vallée-de-l'Or carried out by the MDDEP and ecological mapping of the RCM of Rouyn-Noranda and Témiscamingue carried out by the MDDEP.

Appendix 7

Glossary of landforms³⁸

Low hills: Elevation of between 100 and 200 metres.

Hillock: Elevation of between 25 and 50 metres.

Knoll: Elevation of between 50 and 100 metres.

Ridge: Elongated, steep-sided elevation with a sharply convex upper portion.

Dip: Pronounced depression, with a more or less regular shape and slightly sloping sides.

Depression: Generally concave terrain said to be structural when it has at least one drainage outlet without being a significant drainage unit. It is said to be open when it has at least one natural outlet for surface drainage and closed when it has no natural outlet for surface drainage.

Escarpment: Steep rocky slope (> 100 %).

Valley bottom: Part of the valley on either side of the stream, excluding the slopes.

Mound: Elevation under 25 metres.

Plain: Large flat area.

Flat: An area with no drainage network, marking the transition between marked relief and depressions or bodies of water.

Plateau: Vast horizontal to subhorizontal area that is raised above its surroundings.

Ravine: Narrow valley with steep sides created in soft material such as clay or sand with slopes that are greater than 50% and between 5 to 50 metres in depth.

Level area: A horizontal to subhorizontal area in an intermediate position on a slope.

Summit: Upper part of a hill or knoll.

Terrain: An area with no well defined form.

Small valley: Small, shallow valley with sides that are not pronounced or steep (< 10 %).

Slope: Link between the upper and lower parts of discernible reliefs (valley bottoms, depressions).

³⁸ Includes terms used in this document only.

Appendix 8 – List of wildlife species in the Abitibi-Témiscamingue area

Fish

Small-mouthed bass	Sauger	Lake chub	Brook trout
Brown catfish	Brook stickleback	Emerald shiner	Trout-perch
Spoonhead sculpin	Ninespine stickleback	Golden shiner	Fallfish
Mottled sculpin	Yellow sturgeon*	Mimic shiner	Yellow perch
Slimy sculpin	Logperch	White sucker	Spottail shiner
Silver redhorse	Northern pike	Red sucker	Johnny darter
Shorthead redhorse	Lake whitefish	Splake	Bluntnose minnow
Lake cisco*	Mooneye	Creek chub	Lake trout
Rock bass	Goldeye	Pearl dace	Rainbow trout
Pumpkinseed	Burbot	Blacknose shiner	Brown trout
Iowa darter	Freshwater drum	Long-nose dace	Finescale dace
Yellow walleye	Red-fin shiner	Naskapi	Northern redbelly dace

* Species likely to be designated as threatened or vulnerable

Herpetofauna (reptiles and amphibians)

<i>Urodeles (salamanders and newts)</i>		
Mudpuppy	Blue-spotted salamander	Eastern redback salamander
Northern two-lined salamander	Yellow-spotted salamander	Eastern newt
<i>Anura (frogs and toads)</i>		
American toad	Mink frog	American bullfrog
Wood frog	Northern leopard frog	Northern spring peeper
Pickerel frog*	Green frog	
<i>Turtles</i>		
Common snapping turtle	Blanding's turtle*	Painted turtle
Wood turtle**		
<i>Snakes</i>		
Grass snake	Garter snake	Smooth green snake
Red-bellied snake		

* Species likely to be designated as threatened or vulnerable ** Vulnerable species

Mammals

Long-tailed weasel	Coyote	Striped skunk	Norway rat
Pygmy weasel*	Red squirrel	Arctic shrew	Raccoon
Red-backed vole	Northern flying squirrel	Common shrew	Red fox (silver or cross)
Field vole	Northern short-tailed shrew	Smoky shrew*	House mouse
Rock vole*	Short-tailed weasel	Water shrew	Woodland jumping mouse
Southern bog lemming*	Snowshoe hare	Pygmy shrew*	Meadow jumping mouse
Wolverine***	Wolf	Moose	Deer mouse
Woodland caribou**	River otter	Black bear	Least chipmunk
Beaver	Canada lynx*	Marten	Eastern chipmunk
White-tailed deer	Bobcat	Heather vole	Hairy-tailed mole
Star-nosed mole	Woodchuck	North American porcupine	American mink
Cougar*	American marten	Muskrat	
Silver-haired bat*	Pygmy bat	Northern myotis	Big brown bat
Hoary bat*	Eastern red bat		Small brown bat

* Species likely to be designated as threatened or vulnerable ** Vulnerable species *** Threatened species

Birds

Abundant	Common	Uncommon	Occasional	Rares
White-throated sparrow	Osprey	Horned lark	Least sandpiper	Royal eagle**
Song sparrow	American woodcock	Goshawk	Sandaling	Hudsonian godwit
Savannah sparrow	Common snipe	Two-barred crossbill	Semipalmated sandpiper	White-rumped sandpiper
Chipping sparrow	Canada goose	Brent goose	Dunlin	Pectoral sandpiper
Red-winged blackbird	White-crowned sparrow	Conte's sparrow	Short-billed dowitcher	Caspian tern
American crow	Lincoln's sparrow	Red-tailed hawk	Brewer's sparrow	Red knot
Common starling	Marsh sparrow	Wood duck	Lapland longspur	Common crossbill
Ruffed grouse	Snow bunting	Northern shoveler	Vesper sparrow	Black-crowned night heron
Ring-billed gull	American tree sparrow	Red-breasted grosbeak	Gadwall	Nelson's sparrow*
Great blue heron	Hen harrier	Solitary sandpiper	Great grey owl	Clay-coloured sparrow
Swainson's thrush	Rough-legged hawk	Northern hawk owl	Black-billed cuckoo	Lark bunting
Veery	American bittern	Sharp-shinned hawk	American coot	Eurasian wigeon
Hermit thrush	Mallard	Merlin	Glaucous gull	Northern cardinal
Tree swallow	American wigeon	Greater scaup	Great black-backed gull	Yellow-headed blackbird
Cedar waxwing	Black duck	Greater yellowlegs	Grey-cheeked thrush	Barred owl
American robin	Northern pintail	Pileated woodpecker	Sandhill crane	Whimbrel
Black-capped chickadee	American goldfinch	Great horned owl	Red-breasted merganser	Whip-poor-will
Alder flycatcher	Spotted sandpiper	Red-necked grebe	Ptarmigan	Ruddy duck
	Ruby-throated	Brown creeper	Chimney swift	Peregrine falcon**
	Hummingbird			
Least flycatcher	Double-crested cormorant	Black tern	Eastern bluebird	Canvasback
Yellow-rumped warbler	American kestrel	Oldsquaw	Grey catbird	Redhead
Chestnut-sided warbler	Pine grosbeak	Snowy owl	Northern mockingbird	Barrow's goldeneye*
Ovenbird	Common nighthawk	Hooded merganser	Olive-sided flycatcher	Horned grebe***
American redstart	Ring-necked duck	Short-eared owl*	Bonaparte's gull	Bicknell's thrush*
Yellow warbler	Common goldeneye	Cliff swallow	Blackpoll warbler	Wood thrush
Common yellowthroat	Bluejay	Bank swallow	Three-toed woodpecker	Common crane
Hairy woodpecker	Herring gull	Bohemian waxwing	Virginia rail	Long-eared owl
Northern flicker	Bobolink	White-winged scoter	White-breasted nuthatch	Surf scoter
Downy woodpecker	Common raven	Sora	Hoary redpoll	Black scoter
Rock dove	Common merganser	Boreal chickadee	Scarlet tanager	Upland sandpiper
Common loon	Pied-billed grebe	House sparrow	Sharp-tailed grouse	Mississippi kite
Killdeer	Evening grosbeak	Yellow-throated warbler	Rudy turnstone	Brown thrasher
Ruby-crowned kinglet	Junco	Palm warbler	Great-crested flycatcher	Eastern phoebe
Common grackle	Belted kingfisher	Connecticut warbler	Turkey vulture	Boreal owl
Spruce grouse	Grey jay	Blackburnian warbler	Warbling vireo	Greater white-fronted goose
Red-eyed vireo	Wilson's warbler	Bay-breasted warbler		Baltimore oriole
Philadelphia vireo	Black-throated green warbler	Lesser yellowlegs		Northern parula
	Nashville warbler	Snow goose		Yellow-breasted chat
	Magnolia warbler	Black-backed woodpecker		Orange-crowned warbler
	Black-throated blue warbler	Northern shrike		Indigo bunting
	Northern waterthrush	American pipit		Saw-whet owl
	Canada warbler	Bald eagle **		Wilson's phalarope
	Cape May warbler	Rusty blackbird		Red-throated loon
	Black-and-white warbler	Gold-crowned kinglet		Black-bellied plover
	Tennessee warbler	Mourning dove		American golden plover
	Mourning warbler	Cowbird		Semipalmated plover
	Lesser scaup	Blue-headed vireo		Brewer's blackbird
	Buffedhead			Yellow rail*
	Broad-winged hawk			House finch
	Yellow-bellied sapsucker			Eastern meadowlark
	Purple finch			House wren
	Blue-winged teal			
	Common teal			
	Red-breasted nuthatch			
	Common redpoll			
	Common tern			
	Pine siskin			
	Wren			
	Eastern kingbird			