

**ADDENDUM 6-A. RARE PLANT AND ANIMAL SPECIES FROM THE LAKE SUPERIOR BASIN**

This list is a compilation and comparison of the species listed as Endangered (END), Threatened (THR), Special Concern (SC/M) or Vulnerable (VUL) in one or more of the state, provincial, or federal jurisdictions. It remains under development and will continue to be refined in subsequent drafts of the report. It is intended to allow for whole basin comparisons of species status and to allow for analysis of habitat influences to species status in the basin. These species are found in the LSB. They may not be rare in the basin, but may be listed because of rarity elsewhere. It is important to note that some species such as the Kiyi are not apparently rare in the basin. For these species, their best remaining habitat may exist in the Lake Superior basin.

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		Can	US	ON	MN	WI	MI	Comments
Birds								
<i>Accipiter gentilis</i>	northern goshawk					SC/M		
<i>Ammodramus leconteii</i>	Le Conte's sparrow					SC/M		
<i>Anas americana</i>	American wigeon					SC/M		
<i>Anas discors</i>	blue-winged teal					?		
<i>Anas rubripes</i>	American black duck					SC/M		
<i>Asio otus</i>	long-eared owl					SC/M		
<i>Aythya affinis</i>	lesser scaup					SC/M		
<i>Aythya americana</i>	redhead					S2B, SZN		
<i>Bartramia longicauda</i>	upland sandpiper					S2B, SZN		
<i>Botaurus lentiginosus</i>	American bittern					S3B, SZN		
<i>Bucephala albeola</i>	bufflehead			S3B				
<i>Bucephala clangula</i>	common goldeneye					SC/M		
<i>Buteo lineatus</i>	red-shouldered hawk	VUL		S4B (VUL)		THR	THR	MI: Population holding its own, but variety of threats exist including habitat destruction
<i>Carduelis pinus</i>	pine siskin					SC/M		
<i>Catharus fuscescens</i>	veery					?		
<i>Catharus ustulatus</i>	Swainson's thrush					SC/M		

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		Can	US	ON	MN	WI	MI	Comments
<i>Charadrius melodus</i>	piping plover	END	LELT	S1		END	END	MI: Loss of nesting habitat
<i>Chlidonias niger</i>	black tern			S3B		SC/M	SC	MI: Habitat alteration and degradation threaten the species
<i>Circus cyaneus</i>	northern harrier					SC/M		
<i>Coccothraustes vespertin</i>	evening grosbeak					SC/M		
<i>Coturnicops noveboracensis</i>	yellow rail				SPC	SC/M	THR	MI: Major threat is nesting habitat destruction by humans
<i>Cygnus buccinator</i>	trumpeter swan					END		
<i>Dendroica caerulesc</i>	black-throated blue warbler					SC/M		
<i>Dendroica cerulea</i>	cerulean warbler						SC	MI: Decline apparently is due primarily to habitat loss and fragmentation, perhaps primarily in winter range
<i>Dendroica fusca</i>	blackburnian warbler					?		
<i>Dendroica tigrina</i>	Cape May warbler					SC/M		
<i>Dolichonyx oryzivorus</i>	bobolink					?		
<i>Empidonax flaviventris</i>	yellow-bellied flycatcher					SC/M		
<i>Falco columbarius</i>	merlin					SC/M	THR	MI: Current threats are hab. loss and organochlorine use in Central Am.
<i>Falco peregrinus</i>	peregrine falcon		E(S/A)	S2B (END)	THR		END	MI: Main threats pesticides and human takings
<i>Gavia immer</i>	common loon					?	THR	
<i>Haliaeetus leucocephalus</i>	bald eagle		LTNL	S3B (END)	SPC	?	THR	
<i>Ixobrychus exilis</i>	least bittern					SC/M		
<i>Lanius ludovicianus migrans</i>	migrant loggerhead shrike						END	
<i>Mergus merganser</i>	common merganser					SC/M		
<i>Mergus serrator</i>	red-breasted merganser					SC/M		
<i>Oporornis agilis</i>	Connecticut warbler					SC/M		
<i>Pandion haliaetus</i>	osprey					THR	THR	MI: Primary threat was and is organochlorines
<i>Parus hudsonicus</i>	boreal chickadee					SC/M		
<i>Pelecanus erythrorhynchos</i>	American white pelican			S3				

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		Can	US	ON	MN	WI	MI	Comments
				(END)				
<i>Perisoreus canadensis</i>	gray jay					SC/M		
<i>Phalacrocorax auritus</i>	double-crested cormorant							
<i>Picoides arcticus</i>	black-backed woodpecker					SC/M		
<i>Podiceps grisegena</i>	red-necked grebe			S3B				
<i>Regulus calendula</i>	ruby-crowned kinglet					?		
<i>Sterna caspia</i>	Caspian tern	VUL		S3B (VUL)		END		
<i>Sterna hirundo</i>	common tern				THR	END	THR	WI: Habitat loss is one factor in decline of this species.
<i>Strix nebulosa</i>	great gray owl			S3S4				
<i>Surnia ulula</i>	northern hawk owl			S3S4				
<i>Tympanuchus phasianellus</i>	sharp-tailed grouse					?		
<i>Vermivora chrysoptera</i>	golden-winged warbler					?		
<i>Vermivora peregrina</i>	Tennessee warbler					SC/M		
<i>Vermivora ruficapilla</i>	Nashville warbler					?		
<i>Wilsonia pusilla</i>	Wilson's warbler					?		
Fish								
<i>Acipenser fulvescens</i>	lake sturgeon			S3	SPC	SC/H	THR	MI: Physical habitat destruction and overfishing are primary threats
<i>Coregonus bartlettii</i>	Siskiwit Lake cisco						SC	
<i>Coregonus hubbsi</i>	Ives Lake cisco						SC	MI: Known only in one lake in the LS basin
<i>Coregonus kiyi</i>	kiyi	VUL		S3?	SPC			
<i>Coregonus reighardi</i>	shortnose cisco	THR		SX				
<i>Coregonus zenithicus</i>	shortjaw cisco	THR		S2	SPC			
<i>Ichthyomyzon fossor</i>	northern brook lamprey	VUL		S3				
<i>Ichthyomyzon unicuspis</i>	silver lamprey			S3				
<i>Lampetra appendix</i>	American brook lamprey			S3				
<i>Myoxocephalus thompsoni</i>	deepwater sculpin	THR						
<i>Polyodon spathula</i>	paddlefish	EXP		SX				

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		Can	US	ON	MN	WI	MI	Comments
Herptiles								
<i>Clemmys insculpta</i>	wood turtle				THR	THR		
<i>Emydoidea blandingii</i>	Blanding's turtle				THR			
<i>Pseudacris triseriata maculata</i>	boreal chorus frog						SC	
<i>Terrapene carolina carolina</i>	eastern box turtle						SC	
Invertebrates								
<i>Aeshna eremita</i>	lake darner					SC/N		
<i>Aeshna tuberculifera</i>	black-tipped darner					SC/N		
<i>Boloria eunomia</i>	bog fritillary					SC/N		
<i>Boloria freija</i>	freija fritillary					SC/N		
<i>Boloria frigga</i>	frigga fritillary					SC/N		
<i>Boloria titania</i>	purple lesser fritillary					SC/N		
<i>Caenis youngi</i>	a caenid mayfly					SC/N		
<i>Chromagrion conditum</i>	aurora damselfly					SC/N		
<i>Cicindela hirticollis</i>	beach dune tiger beetle			S3?		SC/N		ON: Though it's currently ranked S3?, it's probably now just barely that and possibly even S2.
<i>Cordulegaster obliqua</i>	arrowhead spiketail					SC/N		
<i>Elaphrus lapponicus</i>	subarctic ground beetle			S1?				ON: Currently known only from a single site on the north shore of Lake Superior.
<i>Elliptio complanata</i>	eastern elliptio					SC/H		
<i>Enallagma vernale</i>	gloyd's bluet					SC/N		
<i>Hesperia comma</i>	Laurentian skipper					SC/N		
<i>Lepidostoma libum</i>	a bizarre caddisfly					SC/N		
<i>Lycaeides idas nabokovi</i>	Nabokov's blue		END		SPC		THR	
<i>Lycaena dorcas</i>	dorcas copper					SC/N		
<i>Lycaena epixanthe</i>	bog copper					SC/N		
<i>Lycaena xanthoides</i>	great copper					SC/N		
<i>Melanoplus flavidus</i>	blue-legged grasshopper					SC/N		

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		Can	US	ON	MN	WI	MI	Comments
<i>Oeneis jutta</i>	jutta arctic					SC/N		
<i>Ophiogomphus anomalus</i>	extra-striped snaketail			S2				
<i>Ophiogomphus carolus</i>	rifle snaketail					SC/N		
<i>Oreodytes scitulus</i>	a predaceous diving beetle					SC/N		
<i>Papilio machaon</i>	old world swallowtail			S2S3				
<i>Phyciodes batesii</i>	tawny crescent spot					SC/N		
<i>Planogyra asteriscus</i>	eastern flat-whorl						SC	
<i>Planorbella corpulenta whiteavesi</i>	Whiteave's capacious ram's-horn			SH				ON: Known to have occurred in the province only in Lac des Mille Lacs and Greenwater Lake in the Lake Superior basin.
<i>Planorbella multivolvis</i>	acorn ram's horn						END	
<i>Sanfilippodytes pseudovillis</i>	a predaceous diving beetle					SC/N		
<i>Somatochlora elongata</i>	ski-tailed emerald					SC/N		
<i>Somatochlora incurvata</i>	incurvate emerald						SC	
<i>Stylogomphus albistylus</i>	least clubtail					SC/N		
<i>Stylurus scudderi</i>	zebra clubtail			S3		SC/N		
<i>Sympetrum danae</i>	black meadowhawk					SC/N		
<i>Trimerotropis huroniana</i>	Lake Huron locust						THR	
<i>Williamsonia fletcheri</i>	Canadian bog skimmer						S1S	
Mammals								
<i>Alces alces</i>	moose					SC/P	SC	
<i>Canis lupus</i>	gray wolf						END	
<i>Felis concolor cougar</i>	eastern cougar	END	END	SH				
<i>Lynx canadensis</i>	lynx				NON		END	
<i>Martes americana</i>	American marten						THR	MI: Extirpated in many areas, is coming back, logging still a threat
<i>Microtus chrotorrhinus</i>	rock vole			S3S4				ON: Probably not as rare as previously thought.
<i>Myotis leibii</i>	eastern small-footed bat			S2S3				ON: There was a hibernaculum near Alona Bay (Algoma), but it probably hasn't been checked for some time and may be an 'H'-

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		Can	US	ON	MN	WI	MI	Comments
								ranked occurrence.
<i>Myotis septentrionalis</i>	northern myotis				SPC			
<i>Pipistrellus subflavus</i>	eastern pipistrelle			S3?	SPC			
<i>Rangifer tarandus</i>	caribou	VUL	VUL	S3S4?				
Plants								
<i>Adlumia fungosa</i>	climbing fumitory						SC	
<i>Adoxa moschatellina</i>	muskroot			S1	SPC	THR		
<i>Agrostis geminata</i>	twin bentgrass				SPC			
<i>Allium schoenoprasum</i>	chives				THR		THR	
<i>Amerorchis rotundifolia</i>	round-leaved orchis						END	
<i>Ammophila breviligulata</i>	American beachgrass			S3	THR			
<i>Antennaria parvifolia</i>	pussy-toes			S1				
<i>Antennaria rosea</i>	pussy-toes			S1			EXTR	
<i>Arabis divaricarpa var dacotica</i>	purple rock-cress			S3?				
<i>Arabis holboellii var retrofracta</i>	Holboell's rock-cress				THR			
<i>Arenaria humifusa</i>	low sandwort			S2S3				
<i>Arethusa bulbosa</i>	swamp-pink					SC		
<i>Armoracia lacustris</i>	lake-cress					END	THR	WI: Lake Superior estuaries, and quiet waters of lakes and streams, hab. requirements not well characterized
<i>Arnica cordifolia</i>	heartleaf arnica			S1			THR	
<i>Arnica lonchophylla ssp. Chionopappa</i>	snowy arnica			S1	THR			
<i>Artemisia frigida</i>	prairie sagebrush			S2S3		SC		
<i>Asplenium montanum</i>	mountain spleenwort						EXTR	
<i>Asplenium rhizophyllum</i>	walking-fern spleenwort						THR	
<i>Asplenium ruta-muraria</i>	wallrue spleenwort			S2				
<i>Asplenium trichomanes</i>	maidenhair spleenwort				THR	SC		
<i>Asplenium trichomanes-ramosum</i>	green spleenwort						THR	

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		Can	US	ON	MN	WI	MI	Comments
<i>Aster longifolius</i>	long-leaved aster						SC	
<i>Aster modestus</i>	great northern aster						THR	
<i>Astragalus canadensis</i>	Canadian milkvetch						THR	
<i>Astragalus neglectus</i>	Cooper's milkvetch					END	SC	MI: Principal threat is the loss of a periodic disturbance regime
<i>Athyrium filix-femina</i> var. <i>Cyclosorum</i>	lady fern			SH				
<i>Bartonia paniculata</i>	twining bartonia						END	
<i>Beckmannia syzigachne</i>	American sloughgrass						THR	
<i>Botrychium acuminatum</i>	pointed moonwort			S1			THR	MI: Recently described species that is both rare and local
<i>Botrychium campestre</i>	prairie dunewort			S1		END	THR	MI: Plowing of native prairies is primary threat
<i>Botrychium hesperium</i>	western moonwort			S1			THR	MI: Threats not well understood
<i>Botrychium lanceolatum</i>	narrow triangle moonwort			S3	THR			
<i>Botrychium lunaria</i>	moonwort grape-fern				THR	END		WI: Cool, moist sandy soils under forest cover, very rare and hard to identify.
<i>Botrychium minganense</i>	Mingan's moonwort				SPC	SC		
<i>Botrychium mormo</i>	little goblin moonwort				SPC (DROP)	END		
<i>Botrychium pallidum</i>	pale moonwort			S1	END			
<i>Botrychium pseudopinnatum</i>	false northwestern moonwort			S1	?			
<i>Botrychium rugulosum</i>	rugulose grape-fern				THR	SC		
<i>Botrychium simplex</i>	least moonwort				SPC			
<i>Botrychium spathulatum</i>	spoon-leaf moonwort			S1		SC		
<i>Braya humilis</i>	low braya						THR	MI: Canadian species
<i>Bromus inermis</i> ssp. <i>pumpellianus</i>	Pumpell's brome grass			SH				
<i>Calamagrostis lacustris</i>	marsh reedgrass				SPC		END	
<i>Calamagrostis purpurascens</i>	purple reed-grass			S1	SPC			
<i>Calamagrostis stricta</i>	slim-stem small reedgrass					SC		
<i>Callitriche hermaphroditica</i>	autumnal water-starwort					SC	SC	

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		Can	US	ON	MN	WI	MI	Comments
<i>Callitriche heterophylla</i>	large water starwort			S2?		THR		
<i>Caltha natans</i>	floating marsh-marigold					END		WI: Wet, open shorelines of quiet streams or ponds, one known site
<i>Calylophus serrulatus</i>	yellow evening primrose					SC		
<i>Calypso bulbosa</i>	fairy slipper					THR	THR	MI: Harvesting of cedar is worst threat, circumboreal spp WI: Deep, moist, coniferous forests and white cedar swamps, most sites have old-growth characteristics.
<i>Cardamine maxima</i>	large toothwort					SC	THR	
<i>Carex arcta</i>	sedge							
<i>Carex assiniboinensis</i>	Assiniboine sedge					SC	THR	
<i>Carex atratiformis</i>	black sedge			S2			THR	
<i>Carex capillaris</i>	hair-like sedge					SC		
<i>Carex concinna</i>	beautiful sedge					THR		WI: Shaded beach ridges and swales and open, moist, sandy soil, difficult to identify
<i>Carex davisii</i>	Davis's sedge						SC	
<i>Carex exilis</i>	coast sedge					THR		WI: Open sedge sphagnum, sphagnum bogs, and rear dune beach pools along the Great Lakes, difficult to identify
<i>Carex flava</i>	yellow sedge				SPC			
<i>Carex katahdinensis</i>	Katahdin sedge				THR			
<i>Carex lenticularis</i>	shore sedge					THR		WI: Difficult to identify in the field
<i>Carex livida var radicaulis</i>	livid sedge					SC		
<i>Carex loliacea</i>	sedge			S2				
<i>Carex media</i>	sedge						THR	
<i>Carex michauxiana</i>	Michaux sedge				SPC	THR		WI: Difficult to identify in the field
<i>Carex pallescens</i>	pale sedge						SC	
<i>Carex pallescens var neogaea</i>	pale sedge				END	SC		
<i>Carex prasina</i>	drooping sedge					THR		WI: Difficult to identify in the field; requires closed canopy
<i>Carex praticola</i>	northern meadow sedge			S2?	SPC			
<i>Carex richardsonii</i>	Richardson's sedge						SC	



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		Can	US	ON	MN	WI	MI	Comments
<i>Carex rossii</i>	short sedge			S2			THR	
<i>Carex schweinitzii</i>	Schweinitz's sedge					END		
<i>Carex scirpoidea</i>	bulrush sedge						THR	
<i>Carex squarrosa</i>	sedge						SC	
<i>Carex supina</i>	sedge			S1	SPC			
<i>Carex tenuiflora</i>	sparse-flowered sedge					SC		
<i>Carex tinctoria</i>	tinged oval sedge			S1				
<i>Carex vaginata</i>	sheathed sedge					SC		
<i>Carex wiegandii</i>	Wiegand's sedge			S1			THR	MI: Hydrological alteration of habitat appears to be a primary threat
<i>Carex xerantica</i>	dry sedge			S1	SPC			
<i>Castilleja septentrionalis</i>	Labrador indian-paintbrush						THR	
<i>Ceanothus sanguineus</i>	Oregon-tea						THR	
<i>Ceratophyllum echinatum</i>	prickly hornwort			S3		SC		
<i>Chamaerhodos erecta ssp. nuttalli</i>	Keweenaw rock-rose						END	MI: One fairly small population on the Keweenaw Peninsula of Michigan
<i>Chenopodium leptophyllum</i>	narrow-leaved goosefoot			S1				
<i>Cirsium drummondii</i>	Drummond's thistle			S1				
<i>Cirsium flodmanii</i>	Flodman thistle			S2?		SC		
<i>Cirsium pitcheri</i>	dune thistle	VUL	THR	S2		THR	THR	MI: Manipulation of shoreline habitat continues to threaten existing populations and dynamic dune processes essential for habitat maintenance
<i>Claytonia caroliniana</i>	Carolina spring beauty				SPC			
<i>Clematis occidentalis</i>	purple clematis						SC	
<i>Collinsia parviflora</i>	small-flower blue-eyed mary			S2			THR	
<i>Corispermum americanum</i>	bugseed			S1S3				
<i>Corispermum pallasii</i>	bugseed			S1S3				
<i>Corispermum villosum</i>	bugseed			S1S3				
<i>Crataegus douglasii</i>	Douglas's hawthorn				THR		SC	
<i>Cryptogramma acrostichoides</i>	American rock-brake						THR	MI: Common in Canada
<i>Cryptogramma stelleri</i>	slender cliff-brake						SC	

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		Can	US	ON	MN	WI	MI	Comments
<i>Cuscuta cephalanthi</i>	button-bush dodder			S2				
<i>Cypripedium arietinum</i>	ram's-head lady's-slipper			S3		THR	SC	MI: Human habitat destruction is a primary factor WI: Cold, coniferous swamps and bogs, open alkaline sedge swales with white cedar, and sandy, old dunes bordered by conifers
<i>Cypripedium reginae</i>	showy lady's-slipper					SC		
<i>Cystopteris laurentiana</i>	Laurentian bladder fern			S2S3			SC	
<i>Cystopteris montana</i>	mountain bladder fern			S1				
<i>Danthonia compressa</i>	flattened oatgrass						THR	
<i>Danthonia intermedia</i>	Vasey oatgrass						SC	
<i>Dentaria maxima</i>	large toothwort						THR	
<i>Deschampsia cespitosa</i>	tufted hairgrass					SC		
<i>Deschampsia flexuosa</i>	slender hairgrass				SPC	SC		
<i>Diphasiastrum sabinifolium</i>	ground-fir			S3			SC?	
<i>Disporum hookeri</i>	hooker mandrin						END	
<i>Draba glabella</i>	rock Whitlow-grass				SPC		THR	
<i>Draba incana</i>	hoary Whitlow-grass						THR	
<i>Draba norvegica</i>	Norwegian Whitlow-grass				END			
<i>Drosera anglica</i>	English sundew					THR	SC	
<i>Drosera linearis</i>	slenderleaf sundew					THR		
<i>Dryas drummondii</i>	yellow dryas			S1				
<i>Dryopteris expansa</i>	spreading woodfern					SC	SC	
<i>Dryopteris filix-mas</i>	male fern					SC	THR	
<i>Dryopteris fragrans</i>	fragrant cliff woodfern						SC	
<i>Dryopteris fragrans var remotiuscula</i>	fragrant fern					SC?		
<i>Elatine triandra</i>	long-stemmed waterwort			S3		SC		
<i>Eleocharis nitida</i>	slender spike-rush				THR	END		
<i>Eleocharis robbinsii</i>	Robbins spikerush					SC		
<i>Elymus glaucus</i>	blue wild-rye			S1			SC	
<i>Elymus mollis</i>	American dune wild-rye						SC	

**ADDENDUM 6-A. RARE PLANT AND ANIMAL SPECIES FROM THE LAKE SUPERIOR BASIN (Epstein et al. 1997, Oldham 1998, Argus et al. 1982 – 1987, Soper et al. 1989, Soule 1993, Don Sutherland pers. comm., Sharron Nelson, pers. comm.).**

		Can	US	ON	MN	WI	MI	Comments
<i>Elymus smithii</i>	western wheatgrass			S1?				
<i>Elymus virginicus</i> var. <i>Submuticus</i>	wild rye			S2?				
<i>Elytrigia spicata</i>	bluebunch wheatgrass						EXTR	
<i>Empetrum eamesii</i>	purple crowberry				END			
<i>Empetrum nigrum</i>	black crowberry				END		THR	
<i>Epilobium palustre</i>	marsh willow-herb					SC	SC	
<i>Epilobium strictum</i>	downy willow-herb					SC		
<i>Equisetum palustre</i>	marsh horsetail					SC		
<i>Equisetum telmateia</i>	giant horsetail						EXTR	
<i>Equisetum variegatum</i>	variegated horsetail					SC		
<i>Erigeron glabellus</i>	smooth fleabane			S1				
<i>Euphrasia frigida</i>	cold-weather eyebright						THR	
<i>Euphrasia hudsoniana</i>	Hudson Bay eyebright					SPC		
<i>Euphrasia nemorosa</i>	common eyebright						THR	
<i>Festuca hallii</i>	rough fescue			S1				
<i>Galearis spectabilis</i>	showy orchis						THR	
<i>Galium kamtschaticum</i>	boreal bedstraw			S2				
<i>Gentiana linearis</i>	narrow-leaved gentian						THR	
<i>Glycyrrhiza lepidota</i>	wild licorice					SC		
<i>Gnaphalium sylvaticum</i>	woodland cudweed					SC		
<i>Gratiola aurea</i>	golden hedge-hyssop						THR	
<i>Gymnocarpium jessoense</i>	northern oak fern			S3		SC	SC?	
<i>Gymnocarpium robertianum</i>	limestone oak fern			S2		SC	SC	
<i>Helianthus mollis</i>	downy sunflower						THR	
<i>Heterotheca villosa</i>	prairie golden aster			S1				
<i>Hieracium venosum</i>	rattlesnake hawkweed			S2				
<i>Hudsonia tomentosa</i>	sand-heather			S2S3	SPC			
<i>Huperzia appalachiana</i>	Appalachian fir clubmoss			S1				WI: newly reported, no official rank
<i>Huperzia selago</i>	fir clubmoss			S3S4		SC	SC	
<i>Juncus greenii</i>	Greene's rush			S3				
<i>Juncus longistylis</i>	long-styled rush			S3				

**ADDENDUM 6-A. RARE PLANT AND ANIMAL SPECIES FROM THE LAKE SUPERIOR BASIN (Epstein et al. 1997, Oldham 1998, Argus et al. 1982 – 1987, Soper et al. 1989, Soule 1993, Don Sutherland pers. comm., Sharron Nelson, pers. comm.).**

		Can	US	ON	MN	WI	MI	Comments
<i>Juncus stygius</i>	moor rush					END	THR	
<i>Juncus subtilis</i>	creeping rush			S3				
<i>Juncus vaseyi</i>	Vasey rush			S3		SC		
<i>Juniperus horizontalis</i>	creeping juniper				SPC			
<i>Koeleria macrantha</i>	june grass			S2				
<i>Lactuca pulchella</i>	blue lettuce						THR	
<i>Leucophysalis grandiflora</i>	large-flowered ground-cherry			S3?				
<i>Listera auriculata</i>	auricled twayblade			S3	END	END	SC	MI: Habitat is restricted but relatively secure and unthreatened, may be more common than now known WI: Alluvial sandy shores of streams adjacent to Lake Superior, often under alder thickets
<i>Listera borealis</i>	northern twayblade			S2				
<i>Listera convallarioides</i>	broad-leaved twayblade				SPC	THR		WI: Moist woods and seeps along Lake Superior
<i>Lithospermum canescens</i>	hoary puccoon			S3?				
<i>Littorella uniflora</i>	American shore-grass				SPC	SC	SC	
<i>Lonicera involucrata</i>	fly honeysuckle					SC	THR	MI: More common in Canada and western states
<i>Luzula parviflora</i>	small-flowered wood-rush				SPC		THR	
<i>Lycopodiella appressa</i>	southern bog clubmoss						THR	
<i>Malaxis paludosa</i>	bog adder's-mouth			S1				
<i>Melica smithii</i>	Smith melic grass					END		WI: One known site
<i>Mimulus glabratus var jamesii</i>	James' monkey-flower							
<i>Mimulus guttatus</i>	common large monkeyflower						SC	
<i>Mimulus moschatus</i>	muskflower			S2?				
<i>Moehringia macrophylla</i>	large-leaved sandwort			S2	THR	END	THR	WI: Habitat requirements are not well understood; extremely rare
<i>Muhlenbergia cuspidata</i>	plains muhly						EXTR	
<i>Muhlenbergia racemosa</i>	upland wild timothy			S1				
<i>Muhlenbergia uniflora</i>	one flowered muhly				SPC			
<i>Myriophyllum alterniflorum</i>	alternate-flowered water milfoil						SC	

**ADDENDUM 6-A. RARE PLANT AND ANIMAL SPECIES FROM THE LAKE SUPERIOR BASIN (Epstein et al. 1997, Oldham 1998, Argus et al. 1982 – 1987, Soper et al. 1989, Soule 1993, Don Sutherland pers. comm., Sharron Nelson, pers. comm.).**

		Can	US	ON	MN	WI	MI	Comments
<i>Myriophyllum farwellii</i>	Farwell's water-milfoil					SC	THR	
<i>Najas gracillima</i>	thread-like naiad				SPC			
<i>Nuphar lutea ssp pumila</i>	yellow cowlily						THR	
<i>Nymphaea leibergii</i>	small white water-lily				THR			
<i>Nymphaea tetragona</i>	pygmy water-lily						THR	MI: Greatest threat is water quality changes
<i>Oenothera villosa</i>	hairy evening-primrose			S2?				
<i>Ophioglossum vulgatum</i>	adder's-tongue					SC		
<i>Oplopanax horridus</i>	devil's-club			S1			THR	
<i>Opuntia fragilis</i>	brittle prickly-pear					THR	END	MI: Widespread in the west
<i>Orobanche uniflora</i>	one-flowered broomrape					SC		
<i>Oryzopsis canadensis</i>	Canada mountain-ricegrass					SC	THR	
<i>Osmorhiza chilensis</i>	Chilean sweet cicely				END	SC		
<i>Osmorhiza depauperata</i>	blunt-fruited sweet-cicely				SPC		THR	
<i>Oxytropis splendens</i>	showy locoweed			S3	END			
<i>Oxytropis viscida var. viscida</i>	stemless locoweed			S1	END?			
<i>Panax quinquefolius</i>	American ginseng					SC	THR	MI: Primary threat is digging of roots for export
<i>Panicum leibergii var. Baldwinii</i>	Baldwin's panic grass			S1S2				
<i>Parnassia palustris</i>	marsh grass-of-parnassus					THR	THR	
<i>Pellaea atropurpurea</i>	purple-stem cliff-brake					SC	THR	
<i>Petasites sagittatus</i>	arrow-leaved sweet-coltsfoot					THR	THR	WI: Low, wet, marshy, open ground
<i>Phacelia franklinii</i>	Franklin's phacelia			S2	SPC		THR	
<i>Phleum alpinum</i>	mountain timothy						EXTR	
<i>Pinguicula vulgaris</i>	common butterwort				SPC	END	SC	WI: Cool, open sandstone cliffs
<i>Platanthera clavellata</i>	alpine bistort				SPC			
<i>Platanthera dilatata</i>	leafy white orchis					SC		
<i>Platanthera hookeri</i>	hooker orchis					SC		
<i>Platanthera macrophylla</i>	large round-leaved orchid			S2		SC		WI: as var. of orbiculata
<i>Platanthera orbiculata</i>	large roundleaf orchid					SC		
<i>Poa alpina</i>	alpine bluegrass						THR	
<i>Poa canbyi</i>	Canby bluegrass			S1			END	

**ADDENDUM 6-A. RARE PLANT AND ANIMAL SPECIES FROM THE LAKE SUPERIOR BASIN (Epstein et al. 1997, Oldham 1998, Argus et al. 1982 – 1987, Soper et al. 1989, Soule 1993, Don Sutherland pers. comm., Sharron Nelson, pers. comm.).**

		Can	US	ON	MN	WI	MI	Comments
<i>Poa interior</i>	inland bluegrass			S3?				
<i>Poa paludigena</i>	bog bluegrass						THR	
<i>Poa wolfii</i>	Wolf's bluegrass				SPC			
<i>Polemonium occidentale ssp lacustre</i>	Jacob's-ladder				END?	END		
<i>Polygonella articulata</i>	coast jointweed			S3				WI: not listed, maybe should be
<i>Polygonum viviparum</i>	alpine bistort				SPC		THR	
<i>Polystichum braunii</i>	Braun's holly-fern			S3	END	THR		WI: Sensitive to logging activity
<i>Potamogeton confervoides</i>	algae-like pondweed			S2		THR	THR	MI: Susceptible and possibly declining in areas where habitat degradation is increasing through lakeshore development
<i>Potentilla gracilis</i>	cinquefoil			S2				
<i>Potentilla hippiana</i>	cinquefoil			S1				
<i>Potentilla multifida</i>	cinquefoil			S2				
<i>Potentilla pensylvanica</i>	Pennsylvania cinquefoil						THR	
<i>Potentilla rivalis</i>	cinquefoil			SH				
<i>Primula mistassinica</i>	bird's-eye primrose					SC		
<i>Pterospora andromedea</i>	giant pinedrops			S2		END	THR	
<i>Pyrola minor</i>	small shinleaf				SPC	END		
<i>Ranunculus cymbalaria</i>	seaside crowfoot					THR		WI: More along MI than Superior
<i>Ranunculus gmelinii var hookeri</i>	small yellow water-crowfoot					END		
<i>Ranunculus lapponicus</i>	Lapland buttercup				SPC	SC		
<i>Ranunculus macounii</i>	Macoun buttercup						THR	MI: Abundant in Canada
<i>Ranunculus rhomboideus</i>	prairie buttercup						THR	MI: Range would seem to justify G5 rank, more info needed
<i>Rhynchospora fusca</i>	brown beakrush				SPC	SC		
<i>Ribes hudsonianum</i>	northern black currant					SC		
<i>Ribes oxycanthoides</i>	Canada gooseberry					THR	SC	WI: Requires a cool micro-habitat
<i>Rubus chamaemorus</i>	cloudberry				THR			
<i>Sagina nodosa</i>	knotted pearlwort				END		THR	
<i>Sagittaria graminea var. Cristata</i>	crested arrow-head			S3				
<i>Salix pellita</i>	satiny willow				SPC	END	SC	

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		Can	US	ON	MN	WI	MI	Comments
<i>Salix planifolia</i>	tea-leaved willow					THR	THR	
<i>Saxifraga cernua</i>	nodding saxifrage				END			
<i>Saxifraga paniculata</i>	white mountain-saxifrage				THR		THR	
<i>Saxifraga tricuspidata</i>	prickly saxifrage						THR	
<i>Schistostega pennata</i>	luminous moss				END			
<i>Scirpus clintonii</i>	Clinton bulrush			S2	SPC		THR	MI: Secure only in part of its range, need more info
<i>Scirpus heterochaetus</i>	slender bulrush			S2				WI: not listed, maybe should be
<i>Scirpus torreyi</i>	Torrey's bulrush					SC	SC	
<i>Selaginella densa</i>	prairie spikemoss			S2				
<i>Selaginella selaginoides</i>	northern spikemoss				END			
<i>Senecio congestus</i>	marsh ragwort					SC		
<i>Senecio eremophilus</i>	groundsel			S1				
<i>Senecio indecorus</i>	plains ragwort				SPC	THR	THR	
<i>Senecio obovatus</i>	roundleaf ragwort			S3				
<i>Senecio plattensis</i>	prairie ragwort			S2S3				WI: not listed, probably should be
<i>Sisyrinchium strictum</i>	blue-eyed grass						THR	
<i>Solidago decumbens</i>	reclining goldenrod						END	
<i>Solidago houghtonii</i>	Houghton's goldenrod		THR				END	
<i>Solidago lepida</i>	western goldenrod							
<i>Solidago missouriensis</i>	Missouri goldenrod			S2				
<i>Solidago rigida ssp. Rigida</i>	stiff goldenrod			S3				
<i>Solidago simplex var nana</i>	sticky goldenrod						SC	
<i>Sparganium glomeratum</i>	northern bur-reed				SPC	THR		
<i>Sparganium multipedunculatum</i>	many-stalked burweed			S1				
<i>Stellaria crassifolia</i>	fleshy stitchwort						THR	MI: Circumboreal species
<i>Stellaria longipes</i>	long-stalked stitchwort						SC	
<i>Stipa comata</i>	needle-and-thread			S1				
<i>Subularia aquatica</i>	water awlwort			S3?	THR		END	
<i>Tanacetum huronense</i>	Lake Huron tansy						THR	
<i>Thalictrum revolutum</i>	waxleaf meadowrue					SC	THR	
<i>Thalictrum venulosum</i>	veined meadowrue					SC		

**ADDENDUM 6-A. RARE PLANT AND ANIMAL SPECIES FROM THE LAKE SUPERIOR BASIN (Epstein et al. 1997, Oldham 1998, Argus et al. 1982 – 1987, Soper et al. 1989, Soule 1993, Don Sutherland pers. comm., Sharron Nelson, pers. comm.).**

		Can	US	ON	MN	WI	MI	Comments
<i>Thalictrum venulosum var confine</i>	boundary meadow-rue						THR?	
<i>Tofieldia pusilla</i>	Scotch false-asphodel				END		THR	
<i>Tomentypnum falcifolium</i>	a moss				SPC			
<i>Torreyochloa pallida</i>	Torrey's manna-grass				SPC			
<i>Triglochin maritimum</i>	common bog arrow-grass					SC		
<i>Triglochin palustre</i>	slender bog arrow-grass					SC		
<i>Trisetum melicoides</i>	purple false oats			S3S4		END		
<i>Trisetum spicatum</i>	narrow false oats					THR	SC	WI: Only in Ashland and Bayfield Counties
<i>Tsuga canadensis</i>	eastern hemlock				SPC			
<i>Utricularia resupinata</i>	northeastern bladderwort					SC		
<i>Vaccinium cespitosum</i>	dwarf huckleberry					END	THR	
<i>Vaccinium membranaceum</i>	mountain bilberry			S1				
<i>Vaccinium ovalifolium</i>	blue bilberry			S2				
<i>Vaccinium uliginosum</i>	alpine bilberry				THR		THR	
<i>Vaccinium vitis-idaea</i>	mountain-cranberry						END	
<i>Vaccinium vitis-idaea ssp minus</i>	mountain cranberry					END		WI: Wisconsin is at very southern edge of range
<i>Valeriana uliginosa</i>	marsh valerian					THR		WI: Openings in northern wet forests
<i>Viburnum edule</i>	squashberry					END	THR	
<i>Viola epipsila</i>	northern marsh violet			S3			EXTR	
<i>Viola lanceolata</i>	lance-leaved violet				THR			
<i>Viola novae-angliae</i>	New England violet			S2S3				
<i>Waldsteinia fragarioides</i>	barren strawberry				SPC			
<i>Woodsia alpina</i>	northern woodsia			S2	SPC		THR	MI: Highly fragmented range
<i>Woodsia glabella</i>	smooth woodsia			S3	THR			
<i>Woodsia obtusa</i>	blunt-lobed woodsia						THR	
<i>Woodsia oregana</i>	western woodsia			S3		SC		
<i>Woodsia scopulina</i>	rocky mountain woodsia			S3	THR			
<i>Xyris montana</i>	montane yellow-eyed grass				SPC			
<i>Zizia aptera</i>	heartleaf alexanders			S1				



**ADDENDUM 6-B  
RARE COMMUNITY ASSOCIATIONS IN THE LAKE SUPERIOR BASIN**

(Global rank of G3 or lower). (Mary Harkness, Karen Cieminski, Sharron Nelson, Eric Epstein pers. comm., Soule 1993) .

*Global Rank    Distribution    ON    MN    WI    MI*

*Non-Tidal Wetlands*

Fens

**Northern (Laurentian) Fens**

*Northern (Laurentian) Graminoid Fens*

Northern Poor Fen	Carex lasiocarpa - Carex oligosperma / Sphagnum spp. Herbaceous Vegetation	G3G4	Widespread	X		X
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*Northern (Laurentian) Patterned Peatlands*

Patterned Rich Fen	Pentaphylloides floribunda - Betula pumila / Carex lasiocarpa Patterned Herbaceous Vegetation	G3G4	Peripheral	X		
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*Northern (Laurentian) Shrub Fens*

Great Lakes Leatherleaf Intermittent Wetland	Chamaedaphne calyculata / Carex oligosperma / Sphagnum spp.	G3Q	Widespread	X		X
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Swamps

**Midwestern Swamps and Flatwoods**

*Midwestern Shrub Swamps*

Dogwood - Mixed Willow Shrub Meadow	Cornus sericea - Salix (bebbiana, discolor, petiolaris) / Calamagrostis stricta Shrubland	G3G4		X		X
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**Northern (Laurentian) Swamps**

*Northern (Laurentian) Conifer-(Hardwood) Swamps*

White Cedar Seepage Swamp	Thuja occidentalis - (Larix laricina) Seepage Forest	G3G4	Widespread	X		X
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Hemlock - Yellow Birch Wet-mesic Forest	Tsuga canadensis - Betula alleghaniensis Saturated Forest	G3	Widespread				X
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## Woody Floodplains/Riparian Zones

<i>Global Rank</i>	<i>Distribution</i>	<i>ON</i>	<i>MN</i>	<i>WI</i>	<i>MI</i>
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### Northern (Laurentian) Wooded Floodplains

#### *Northern (Laurentian) Wooded Floodplains*

Northern Ash - Elm - Hackberry Floodplain Forest	Fraxinus pennsylvanica - Ulmus americana - (Celtis occidentalis, Tilia americana) Northern Forest	G3G4Q	Widespread				X
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## Uplands

### Beaches

#### Great Lakes Beaches

##### *Great Lakes Beaches*

Great Lakes Beach	Cakile edentula Great Lakes Shore Sparse Vegetation	G3?	Endemic				X
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### Cliffs, Buttes & Bluffs

#### Great Lakes Cliffs

##### *Great Lakes Cliffs*

Great Lakes Sandstone Cliff	Sandstone Cliff Great Lakes Sparse Vegetation	G4G5	Endemic				X
Great Lakes Open Alkaline Cliff	Open Great Lakes Alkaline Cliff Sparse Vegetation	G4G5	Endemic				X
Great Lakes Basalt/Diabase Cliff	Basalt/Diabase Great Lakes Cliff Sparse Vegetation	G?	Widespread				X

### Northern (Laurentian) Cliffs & Bluffs

#### *Northern (Laurentian) Cliffs & Bluffs*

White Cedar Cliff Woodland	Thuja occidentalis Cliff Woodland	G2Q	Widespread				X
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## Dunes

		<i>Global Rank</i>	<i>Distribution</i>	<i>ON</i>	<i>MN</i>	<i>WI</i>	<i>MI</i>
<b>Great Lakes Dunes</b>							
<i>Great Lakes Herbaceous Dunes</i>							
Great Lakes Beachgrass Dune	Ammophila breviligulata - (Schizachyrium scoparium) Herbaceous Vegetation	G3G5	Endemic	X		X	X
<i>Great Lakes Wooded Dunes</i>							
Great Lakes Dune Pine Forest	Pinus banksiana - Pinus resinosa - Pinus strobus Dune Forest	G3Q	Endemic			X	
Great Lakes Pine Barrens	Pinus banksiana - (Pinus resinosa) - Pinus strobus / Juniperus horizontalis Wooded Herbaceous Vegetation	G2	Endemic			X	
<i>Interdunal Wetlands</i>							
Interdunal Wetland	Pentaphylloides floribunda / Cladium mariscoides - Juncus balticus - (Rhynchospora capillacea) Herbaceous Vegetation	G3?	Endemic			X	X

## Forests &amp; Woodlands

**Northern (Laurentian) Forests & Woodlands***Northern (Laurentian) Dry Conifer-(Hardwood) Forests & Woodlands*

White Pine / Blueberry Dry-mesic Forest	Pinus strobus / Vaccinium spp. Forest	G3G4	Widespread	X		X	
White Pine / Mountain Maple Mesic Forest	Pinus strobus / Acer spicatum - Corylus cornuta Forest	G3G4	Widespread	X	X		
White Pine - Red Oak Forest	Pinus strobus - (Pinus resinosa) - Quercus rubra Forest	G3	Widespread			X	
Red Pine / Blueberry Dry Forest	Pinus resinosa / Vaccinium spp. Forest	G3	Widespread	X	X	X	
Jack Pine - Red Pine / Scrub Oak Woodland	Pinus banksiana - Pinus resinosa / Quercus ellipsoidalis Woodland	G3G4	Widespread			X	
<i>Northern (Laurentian) Hardwood Forests</i>							
Northern Maple - Basswood Forest	Acer saccharum - Tilia americana / Ostrya virginiana / Lonicera canadensis Forest	G3?	Peripheral			X	

		<i>Global Rank</i>	<i>Distribution</i>	<i>ON</i>	<i>MN</i>	<i>WI</i>	<i>MI</i>
Maple - Yellow Birch Northern Hardwoods Forest	Acer saccharum - Betula alleghaniensis - (Tilia americana) Forest	G3G4	Widespread	X	X	X	
<i>Northern (Laurentian) Mesic Conifer-(Hardwood) Forests</i>							
White Cedar - (Hemlock) Mesic Forest	Thuja occidentalis - (Betula alleghaniensis, Tsuga canadensis) Forest	G3?	Widespread			X	
Great Lakes White Pine - Hemlock Forest	Pinus strobus - Tsuga canadensis Great Lakes Forest	G3?	Widespread			X	
Northern White Cedar - Yellow Birch	Thuja occidentalis - Betula alleghaniensis Forest	G2Q	Widespread		X	X	
Hemlock Mesic Forest	Tsuga canadensis - (Betula alleghaniensis) Forest	G3G4	Widespread			X	

## Prairies/Grasslands

### Midwestern Tallgrass Prairies

#### *Midwestern Sand/Gravel Prairies*

Fescue Grassland	Festuca hallii	?	Peripheral	X			
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## Rocky Flats (Glades, Rock Barrens, Rock Outcrops, Alvars)

### Northern (Laurentian) Barrens/Rock Outcrops

#### *Northern (Laurentian) Shrub Rock Outcrops/Barrens*

Common Juniper Rocky Krummholz	Juniperus communis - (Quercus rubra) / Juniperus horizontalis - Arctostaphylos uva-ursi Shrubland	G3G4	Limited	X		X	
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#### *Northern (Laurentian) Treed Rock Outcrops/Barrens*

White Pine - Oak Acid Bedrock Glade	Pinus strobus - Quercus rubra / Danthonia spicata Acid Bedrock Wooded Herbaceous Vegetation	G3Q	Widespread			X	
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## Rocky Shores

### Great Lakes Rocky Shores

		<i>Global Rank</i>	<i>Distribution</i>	<i>ON</i>	<i>MN</i>	<i>WI</i>	<i>MI</i>
<i>Great Lakes Rocky Shores</i>							
Great Lakes Arctic-Alpine Basic Bedrock Shoreline	Great Lakes Bedrock Lakeshore	?	Endemic	X			
Great Lakes Non-Alkaline Cobble/Gravel Shore	Non-alkaline Cobble - Gravel Great Lakes Shore Sparse Vegetation	G3G4	Endemic	X	X	X	
Great Lakes Sandstone Bedrock Shore	Sandstone Bedrock Great Lakes Shore Sparse Vegetation	G3G4	Endemic			X	

### Midwestern Rivers Rocky Shores

#### *Midwestern Rivers Rocky Shores*

River Cobble-Gravel Shore	Cobble - Gravel River Shore Sparse	G3?	Widespread				X
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## Savannas (Barrens) & Woodlands (In Part)

### Midwestern Oak Savannas & Woodlands

#### *Midwestern Oak Savannas & Woodlands*

Northern Oak Barrens	Quercus macrocarpa - (Quercus ellipsoidalis) / Schizachyrium scoparium - Koeleria macrantha Wooded Herbaceous	G2					X
Bur Oak / Saskatoon Berry Woodland	Quercus macrocarpon - Amelanchier spp Woodland	G2	Peripheral	X			

### Northern (Laurentian) Pine Barrens

#### *Northern (Laurentian) Pine Barrens*

Jack Pine / Prairie Forbs Barrens	Pinus banksiana - (Quercus ellipsoidalis) / Schizachyrium scoparium - Prairie Forbs Wooded Herbaceous Vegetation	G2	Limited				X
Jack Pine - Red Pine Barrens	Pinus banksiana - Pinus resinosa / Carex pensylvanica Wooded Herbaceous	G3G4	Widespread				X

# Talus

## Northern (Laurentian) Talus

		<i>Global Rank</i>	<i>Distribution</i>	<i>ON</i>	<i>MN</i>	<i>WI</i>	<i>MI</i>
<i>Northern (Laurentian) Talus</i>							
Glaciere Talus Vegetation	Talus Overlying Persistent Ice Sparse	?	Limited	X			

**ADDENDUM 6-C . HABITAT DATA FOR 65 LAKE SUPERIOR TRIBUTARIES IN ONTARIO (OMNR DATA).**

Tributary	Gradient (m/km)	Length (km)	Drainage Area (ha)	Barrier	Distance from terminus (km)	Vertical Height (m)	Fish Species Inventory	Riparian Alterations	Erosion Problems	Lamprey Treatment	Habitat related limitations
Agawa River				falls		25	yes	channelization		TFM	
Aguasabon River				falls			yes			no	
Barrett River	27.1	7.3	3119		0.8		yes			no	
Batchewana River				falls			no				
Bennett Creek	24.3	16.5	3246.8	falls		25	yes		yes	TFM	
Big Carp River	18.9	16.5	3784.8	falls		40	yes		yes	TFM	Limited benthic production
Big Squaw Creek*											
Black River				power dam	8		yes	habitat enhancement		no	
Carp River	12.6	17.9	5255.3	falls			yes			TFM	
Chippewa River				falls			yes			TFM	
Clay River	58.4	2.6	438.6				yes			no	
Cold Water River	10.4	13.1	7272.5	falls	1		yes			no	
Cranberry Creek	11.9	12.1	3363.4				yes			removable weir	
Crazy Creek	40.4	4.6	493	falls	1.1		yes			no	
Cypress River	7	37	1596	falls		6	no			TFM	Low summer flows
Deadhorse Creek*	6.4	19.4	5311.6	falls			yes				Siltation
Dog River	3.1	82.4	119400	falls	2.5		yes			TFM	
Dublin Creek	23.3	12.4	2254	beaver dam			no				Low summer flows
East Davignon Creek	25.7	13.6	2008	falls	9	30	yes	Siltation, pollution, low summer flow, BOD, high temperatures		TFM	Siltation, pollution, low summer flow, BOD, high temperatures

**ADDENDUM 6-C . HABITAT DATA FOR 65 LAKE SUPERIOR TRIBUTARIES IN ONTARIO (OMNR DATA).**

Tributary	Gradient (m/km)	Length (km)	Drainage Area (ha)	Barrier	Distance from terminus (km)	Vertical Height (m)	Fish Species Inventory	Riparian Alterations	Erosion Problems	Lamprey Treatment	Habitat related limitations
Emogene River	19.7	8.5	1725	beaver dam	1.4	1	yes			no	
Firehill Creek*											
Fisherman's Cove Creek	29.3	5.2	848	beaver dam	0.7	1	yes			no	
Frater Creek							yes			no	
Goulais River				1			yes			TFM	
June Creek	17.8	4	1738.5				yes			no	
Laughing Brook Creek	83.5	2.5	1403.6				yes			no	
Little Carp River	22.4	15.6	2253.9	falls	8.77	30	yes		yes	TFM	
Little Cypress River	27.2	6.2	1120	falls		8	yes	habitat enhancement	yes	no	Low summer flows, High temps, barrier
Little Gravel River*											
Little Pic River	1.1	157.9	118219	falls			yes			TFM	Siltation
Little Squaw Creek*											
Little Steel River							yes			no	Low summer flows
McInnes Creek	21.2	4.3	617.3				no			no	Low summer flows
McIntyre Creek*											
McIntyre River*											
McKellar Creek*											
McLean's Creek*											
McVicar Creek*											
Michipicoten River	1.7	127.5	708994.1	power dam	16.6		yes			TFM, Bayer	Water fluctuations
Mink Creek*											
Montreal River				power			no			no	



**ADDENDUM 6-C . HABITAT DATA FOR 65 LAKE SUPERIOR TRIBUTARIES IN ONTARIO (OMNR DATA).**

Tributary	Gradient (m/km)	Length (km)	Drainage Area (ha)	Barrier	Distance from terminus (km)	Vertical Height (m)	Fish Species Inventory	Riparian Alterations	Erosion Problems	Lamprey Treatment	Habitat related limitations
				dam							
Neebing River*											
Nicol's Cove Creek	37.3	5.3	350	beaver dam	1.5		yes			no	
North Current River											
North Swallow River	17.9	17	5473	falls	0.2		yes			no	
North Trout Creek*											
Oiseau Creek	16.4	11.1	2998	falls	2.8		yes		yes	no	channelized sand streambed
Old Woman River							yes			no	
Portage Creek*											
Pukaskwa River	3.9	81.8	108600	falls	0.7		yes			no	
Robertson Creek	9.1	8.6	5248.7				yes			no	
Ruby Creek*											
Sand River							yes			TFM, Bayer	
Simons Harbour Creek	41.1	3.7	382	power dam	0.6		yes			no	
South Trout Creek*											
Speckled Trout Creek	17.3	12.8	4385.7				yes			no	
Stillwater Creek*											
Stokely Creek	17.3	11.8	5102.7	falls	9.6		yes	bank stabilization	yes	TFM, permanent weir	
Swallow River	11.7	33.8	12878	falls	1.2		yes			no	
Tagouche Creek	10.3	23.6	5935	power dam	1.4		yes			no	

**ADDENDUM 6-C . HABITAT DATA FOR 65 LAKE SUPERIOR TRIBUTARIES IN ONTARIO (OMNR DATA).**

Tributary	Gradient (m/km)	Length (km)	Drainage Area (ha)	Barrier	Distance from terminus (km)	Vertical Height (m)	Fish Species Inventory	Riparian Alterations	Erosion Problems	Lamprey Treatment	Habitat related limitations
Trout Creek							yes				
Unnamed Creek (Ozone/Jackfish)*											
Wawa Creek	10.7	10		falls			yes			no	
West Davignon Creek	26.4	13.2	2150.2	falls	7.75		yes			TFM	
Whitesand River*											

\* habitat survey completed in 1998, but data not yet unavailable

## ADDENDUM 6-D IMPORTANT HABITAT AREAS OF THE LAKE SUPERIOR BASIN

Site Code	Site Name	Site Significance	Ecological Criteria (see below for definitions)																	
			E1	E2	E3	E4	E5	E6	C1	C2	C3	C4	S1	S2	S3	S4	S5	S6		
MI-001	Laughing Whitefish Falls	Mesic Northern Forest, rare plant habitat											X	X						
MI-002	Rock River Canyon Wildernes Area	Moist non-acid cliff, mesic northern forest, geographical features, rare plant and animal habitats								X			X	X						
MI-003	Canyon Falls	Rare plant habitat, geographical feature											X							
MI-004	Whitefish Point	Rare plant and animal habitat											X		X	X				
MI-005	Long Lake	Rare plant and animal habitats, proposed wilderness											X	X						
MI-006	Silver Mountain	Rare plant habitat, geographical feature											X							
MI-007	Agate Harbor	Rare plant habitat											X							
MI-008	Caribou Island	Rare plant habitat											X							
MI-009	Cat Harbor	Hardwood-conifer swamp, rare plant habitat										X	X							
MI-010	Cliff Mine	Rare plant habitat											X							
MI-011	Davidson Island	Rare plant and animal habitat											X							
MI-012	Edwards Island	Rare plant habitat											X							
MI-013	Estivant Pines	Dry-mesic northern forest										X								
MI-014	Fort Wilkins	Rare plant and animal habitats											X							
MI-015	Hat Island	Rare plant and animal habitats											X							
MI-016	Mount Brockway	Rare plant habitat											X							
MI-017	Barclay Lake	Bog, dry northern forest, rare plant habitat										X	X							
MI-018	Barfield Lakes	Bog, dry northern forest, rich conifer swamp, mesic northern forest											X							
MI-019	Beavertown Lakes	Dry northern forest, hardwood-conifer swamp, rich conifer swamp, muskeg, dry-mesic northern forest											X							
MI-020	Blind Sucker River	Rare plant and animal habitat											X							
MI-021	Crisp Point	Rare plant and animal habitat				X							X							
MI-022	Deer Park	Rare plant and animal habitat				X							X							
MI-023	Little Lake	Rare plant and animal habitat											X							
MI-024	McMahon Lake	Patterned fen, rare plant habitat										X	X							
MI-025	Swamp Lakes	Intermittent wetland, dry-mesic northern forest, rare plant habitat										X	X							
MI-026	Dukes RNA	Rich conifer swamp, mesic northern forest			X							X								
MI-027	Mulligan Creek	Rare plant habitat											X							

## ADDENDUM 6-D IMPORTANT HABITAT AREAS OF THE LAKE SUPERIOR BASIN

MI-028	Tahquamenon Bay	Rare plant habitat, rare animal habitat, wooded dune and swale complex				X			X				X				
MI-029	Vermillion	Lake Superior beach community, rare plant and animal habitat				X							X			X	
MI-030	Two-Hearted River	Representative landscape complex, old growth red/white pine forest, old growth cedar forest, hemlock and white pine forest, rare plant habitat, migrant bird habitat, relatively undisturbed wetland communities, coastal plain marsh, patterned fen, muskeg, bog	X		X	X	X	X	X	X		X	X		X		X
MI-031	Grand Marais	Rare plant and animal habitats											X				
MI-032	Grand Sable Dunes	Perched dunes, open dunes, geologic feature, rare plant habitat		X			X	X	X	X	X		X				X
MI-033	Grand Island	Great Lakes marsh, mesic northern forest, rare plant and animal habitat				X	X		X				X	X			
MI-034	Au Train	Large Great Lakes marsh, fresh water estuary, high biodiversity	X			X	X	X				X	X		X	X	
MI-035	Presque Isle	Bedrock beach, dry-mesic northern forest, rare plant habitat, geographical features				X			X				X				
MI-036	McCormick	Mesic northern forest, rare plant habitat										X	X				
MI-037	Lake Independence	Great Lakes marsh, geologic features, rare animal habitat, high biodiversity				X	X		X	X			X				
MI-038	Huron Mountain	Rare plant and animal habitat, mesic northern forest, dry-mesic northern forest, bedrock glade	X	X	X		X						X			X	
MI-039	Pequaming Marsh	Great Lakes marsh, rare animal habitat, geologic feature				X							X				
MI-040	Portage River	Great Lakes marsh, geologic features, rare animal habitat				X	X							X		X	
MI-041	Keweenaw Peninsula	Rare plant and animal habitat geologic features, high biodiversity	X			X	X	X	X	X	X		X				
MI-042	Porcupine Mountains	Mesic Northern Forest, rare plant and animal habitat	X	X	X	X	X	X	X	X		X	X		X		
MI-043	Isle Royale	Rare plant and animal habitat, fish spawning habitat, colonial waterbird habitats	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
MI-044	Sylvania Wilderness Area	Large area of undisturbed presettlement vegetation, old growth forest, pristine lakes, diverse habitat types, rare plant and animal habitat.	X	X	X		X	X				X	X				
MI-045	Delerium Wilderness Area	Representative natural plant communities	X	X	X												

## ADDENDUM 6-D IMPORTANT HABITAT AREAS OF THE LAKE SUPERIOR BASIN

MI-046	Pictured Rocks National Park	Rare plant habitat, geomorphic features	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
MI-047	Tahquamenon Falls State Park	Wooded dune and swale complex, rare plant and animal habitat							X			X	X					
MN-001	Agate Bay	Colonial waterbird nesting, waterfowl concentrations													X	X		
MN-002	Alborn Fen	Poor Fen, sedge subtype, rare plant habitat							X			X	X					
MN-003	Alton Lake	Rare animal habitat											X					
MN-004	Amenda Creek	Northern Hardwood Forest, Upland White Cedar Forest			X				X			X						
MN-005	Arlberg Bog	Rare plant habitat											X					
MN-006	Grand Marais Point	Arctic disjunct plant community, rare plant habitat, geologic features							X	X			X					
MN-007	Beaver Bay	Waterbird concentrations, Upland White Cedar Forest			X									X				
MN-008	Beaver Island	Arctic disjunct plant community, rare plant habitat, colonial waterbird nesting habitat							X	X			X				X	
MN-009	Black Lake Bog SNA	Black ash swamp, fen, forested bog, and open bog plant communities, rare plant habitat.	X				X			X		X						
MN-010	Blackfoot Lake Peatland	Poor Fen, Sedge subtype, rare plant habitat							X				X					
MN-011	Big Bay	Geologic Feature							X			X						
MN-013	Boundry Waters Canoe Area	Rare plant and animal habitat, large representative ecosystems, geologic features	X	X	X		X	X	X			X	X	X	X	X	X	
MN-014	Burlington Bay	Colonial Waterbirds, waterfowl concentrations													X	X		
MN-015	Butterwort Cliffs SNA	Rock shore community, aspen-birch forest, rare plant habitat, colonial waterbird habitat				X			X	X			X				X	
MN-017	Cannonball Bay	Arctic disjunct plant community, rare plant habitat							X	X			X					
MN-018	Caribou Falls WMA	Anadromous fish habitat, deer concentration area												X				
MN-019	Cascade River State Park	Arctic disjunct plant community, rare plant habitat							X	X		X	X					
MN-020	Cathedral Grove	Great Lakes pine forest, old growth forest			X					X	X	X						
MN-024	Cloquet River Macrosite	Rare animal habitat											X				X	
MN-025	Crow Creek Bluff	Rare animal habitat							X				X				X	
MN-026	Deronda Bay and Red Rock	Rare plant habitat, geologic feature				X			X				X					
MN-028	Devil Track Lake	Rare animal habitat											X					
MN-029	Duluth 8	Rare animal habitat								X			X				X	

## ADDENDUM 6-D IMPORTANT HABITAT AREAS OF THE LAKE SUPERIOR BASIN

MN-030	Flood Bay	Colonial waterbird nesting habitat, shorebird migratory habitat, geomorphic feature													X	X		
MN-031	Five Mile Rock	Colonial waterbird nesting habitat, geologic feature														X		
MN-034	George H. Crosby Manitou State Park	Northern hardwood forest, upland white cedar forest, rare animal habitat, rare plant habitat, anadromous fish habitat	X		X	X		X				X	X	X	X	X		
MN-035	Good Harbor Bay	Arctic disjunct plant community, rare plant habitat, geologic feature				X		X			X	X						
MN-036	Gooseberry Falls State Park	Conifer, aspen and birch forests, fish spawning habitat, rare plant and animal habitat				X		X	X			X				X		
MN-037	Grand Marais Fen	Poor fen, sedge subtype				X		X			X							
MN-038	Grand Portage 4	Rare plant community							X			X						
MN-039	Grand Portage State Park	Rare plant habitat							X			X						
MN-040	Hat Point Area	Representative forest ecosystems, coastal shore communities, important natural/cultural resource				X	X	X	X			X			X			
MN-041	Heartbreak Creek	Northern hardwood-conifer forest, yellow birch-white cedar subtype, upland white cedar forest	X		X							X						
MN-042	Hollow Rock	Geomorphic feature (sea arch)							X									
MN-043	Holyoke	Northern hardwood forest				X						X				X		
MN-044	Hornby Lake	Rare plant habitat										X						
MN-045	Horseshoe Bay	Geomorphic feature (raised beach)							X									
MN-046	Hovland Woods SNA	Large old growth forest complex with bogs, swamps, lake in the landscape, rare plant and animal habitat			X		X					X	X					
MN-048	Jay Cooke State Park	Rare plant habitat, northern hardwood forest										X	X					
MN-050	Judge C. R. Magney State Park	Old growth white pine forest, rare plant habitat, geomorphic features, anadromous fish habitat			X			X					X		X	X		
MN-051	Kodonce Creek	Rare plant community							X				X					
MN-052	Kennedy Creek	Rare animal habitat											X					
MN-053	Knife River	Rare plant habitat, anadromous fish habitat, geomorphic features											X	X	X	X		
MN-054	Lafayette Bluff and Encampment Island	Colonial waterbird nesting habitat														X		
MN-055	Lake Agnes Hardwoods	Northern hardwood forest, rare plant habitat										X	X		X			
MN-056	Lake Superior Highlands	Extensive natural communities and high biodiversity, rare plant and animal habitat	X	X	X	X	X	X	X			X	X	X	X	X	X	

## ADDENDUM 6-D IMPORTANT HABITAT AREAS OF THE LAKE SUPERIOR BASIN

MN-057	Lester Park Waterworks	Rare plant habitat									X			X					
MN-058	LeVeaux WMA	Representative natural plant communities, rare animal habitat											X	X					
MN-059	Lighthouse Point	Rare plant habitat									X			X					
MN-060	Little Marais	Rare animal habitat, colonial waterbird nesting habitat												X				X	
MN-061	Ludwig	Old growth Northern Hardwood forest, rare plant habitat	X		X		X	X			X		X	X					
MN-062	Lutsen SNA	Old growth Northern Hardwood forest and upland white cedar forest	X		X		X				X		X						
MN-064	Magney Hardwoods Forest	Old growth mixed hardwoods/conifer forest and northern hardwoods forest; rare plant habitat	X		X		X							X					
MN-065	Manitou River	Fish spawning habitat, rare plant habitat												X				X	
MN-067	Marble Lake Lookout Tower	Northern Hardwoods forest, rare plant habitat	X				X							X					
MN-068	Mineral Center Maple Ridge	Northern Hardwood forest, rare plant habitat	X		X		X							X					
MN-069	Minnesota Point	Rare plant habitat, unique geomorphic formation, old growth pine forest		X	X	X	X	X	X	X			X	X			X		
MN-071	Moose Fence Cedars	Upland white cedar forest			X		X						X						
MN-072	Moose Mountain SNA	Old growth Northern Hardwoods forest, rare plant habitat			X		X						X						
MN-075	Nickerson 30	Rare plant habitat												X					
MN-076	Normanna 18	Rare animal habitat												X					
MN-077	Oberg Mountain Hardwoods	Northern hardwood forest, rare plant habitat			X								X	X					
MN-078	Onion River Hardwoods	Northern hardwood forest, rare plant habitat			X						X		X	X					
MN-079	Paradise Beach	Coastal wetland, tamarack swamp, colonial waterbird nesting habitat, waterbird concentrations, geologic formations				X	X	X	X				X					X	
MN-080	Pearl Beach Hardwoods	Northern hardwood forest											X						
MN-081	Poplar River Cedars	Old growth upland white cedar forest			X			X			X								
MN-082	Poplar River	Fish spawning habitat																X	
MN-086a	Interstate Island	Rare animal habitat, colonial waterbird nesting habitat												X					
MN-086b	Hearding Island	Open dunes, representative natural plant community								X			X						

**ADDENDUM 6-D IMPORTANT HABITAT AREAS OF THE LAKE SUPERIOR BASIN**

MN-086d	Spirit Lake Point	Great Lakes marsh, migratory wildlife habitat	X			X		X			X		X	X	X		
MN-086e	Mud Lake	Great Lakes marsh, migratory wildlife habitat				X		X					X	X	X		
MN-086f	Fond Du Lac	Great Lakes marsh, migratory wildlife habitat				X		X					X	X			
MN-086g	Grassy Point	Great Lakes wetland complex				X		X									
MN-086h	Bong Bridge	Rare animal habitat										X					
MN-086i	Swamp Lake	Rare animal habitat												X	X		
MN-086j	St. Louis Estuary	Great Lakes freshwater estuary, rare plant and animal habitat, colonial waterbird nesting habitat	X	X		X	X	X		X	X	X	X	X	X	X	
MN-087	Sand Lake Peatland	Large patterned peatland, significant bog and fen features, rare plant habitat, rare animal habitat, geological processes	X	X			X	X				X	X				
MN-088	Schroeder RNA	Northern hardwood forest, rare plant habitat										X	X				
MN-089	Soo Line	Northern hardwood forest, rare plant habitat										X	X				
MN-090	South Fowl Lake	Rare plant habitat							X				X				
MN-091	South Lutsen	Rare plant and animal habitat											X				
MN-092	Split Rock Lighthouse State Park	Rare plant and animal habitats, colonial waterbird nesting habitat, geomorphic feature, waterbird concentrations											X			X	
MN-093	Spring Beauty Hardwoods SNA	Old growth northern hardwood forest, rare plant habitat	X		X								X				
MN-094	Stony Point	Rare plant habitat, arctic disjunct plant community, waterbird concentrations				X			X				X				
MN-095	Sugar Loaf Point SNA	Coastal wetland restoration project, rare plant habitat, geologic features				X			X			X	X				
MN-097	Susie Islands	Arctic-disjunct plant community, rare animal habitat	X			X	X	X	X			X	X	X	X	X	
MN-098	Swamp River Bog	Rare plant communities, old growth forest, rare plant habitat, rare animal habitat, waterbird concentrations	X	X	X		X	X				X	X				
MN-099	Temperance River State Park	Rare plant habitat, arctic disjunct plant populations, unusual geomorphic feature				X			X	X			X				
MN-100	Tettegouche State Park	Lake Superior pebble and bedrock beaches, exposed cliffs, Northern Hardwood-Conifer Forest, Northern Oak Forest, Upland White Cedar Forest	X	X	X	X	X	X	X	X		X	X		X	X	
MN-101	Tikander	Rare animal habitat, rare plant habitat, colonial waterbird nesting habitat											X			X	
MN-102	Tofte Town Park	Arctic and alpine disjunct plant habitat							X	X			X				
MN-103	Watab Lake Cliffs	Rare plant habitat											X				
MN-104	Wanless Lake Cedars	Old growth white cedar swamp			X								X				



**ADDENDUM 6-D IMPORTANT HABITAT AREAS OF THE LAKE SUPERIOR BASIN**

MN-105	Wolf Ridge	Rare animal habitat											X					
MN-106	Wringer Lake Hardwoods	Northern hardwood forest, rare plant habitat										X	X					
MN-107	Yellow Birch	Northern hardwood forest, rare plant habitat										X	X					
MN-108	Burntside Island SNA	forested bedrock islands, old growth Great Lakes pine forest			X		X					X						
MN-109	Cross River State Park	Northern hardwoods forest, rare plant habitat										X	X					
MN-110	Devils Track Falls State Park	Rare plant habitat											X					
MN-111	Hemlock Ravine SNA	Rare plant habitat, old growth northern hardwoods, white pine, and eastern hemlock forest			X							X	X					
MN-112	Kodonce River State Park	Rare plant habitat											X					
MN-113	Ladies Tresses Swamp SNA	Lowland conifer forest dominated by mature white cedar, black ash, and black spruce, rare plant habitat							X			X	X					
MN-114	Savanna Portage State Park	Northern hardwood forest	X		X			X										
MN-115	Tettegouche State Park	Northern hardwood forest, Northern hardwood-conifer forest, old growth white cedar forest, complex of forested highlands, wetlands, streams and lakes with high biodiversity, Shoreline cliffs, rare animal habitat	X		X	X	X	X				X	X				X	
MN-116	Wawina Peatland SNA	Large peatland complex including ovoid island patterns, featureless water track, raised bog, crested raised bog	X	X	X		X	X	X			X						
ON-001	Michipicoten Corridor	Habitat for rare plants(arctic disjuncts) and animals; rocky outcrops and shallow soils with acid sensitivity	X			X		X	X			X	X	X	X	X	X	
ON-003	Algoma highlands	Habitat for endangered species, old growth pine forest	X		X						X		X	X			X	
ON-004	Gravel River falls	Fish spawning area											X	X		X	X	
ON-005	Batchawana Island	Coasta wetland; rare animal habitat, migratory bird habitat				X							X	X	X		X	
ON-006	Batchawana River	Fish spawning area															X	
ON-007	Batchewana Bay	Staging area and brood habitat for migratory waterfowl					X								X		X	
ON-008	Beatty and Sturdee Coves	Colonial water bird nesting area															X	
ON-009	Big Duck Creek	Fish spawning habitat in Big Duck Creek; fish habitat												X		X		
ON-011	Black Bay Peninsula	High biodiversity value, relatively undisturbed habitat, significant wetland	X				X	X				X						

## ADDENDUM 6-D IMPORTANT HABITAT AREAS OF THE LAKE SUPERIOR BASIN

ON-013	Black Sturgeon River, Split Rapids	Spawning area and previous spawning area for fish						X							X	X		X	X	
ON-014	Blackbird Creek	Fish habitat (brook trout)																X		
ON-015	Bojack and Bone	Nesting site for water birds																	X	
ON-016	Caldwell Lake	Wetland; rare plant and animal habitat						X		X					X	X				
ON-017	Cat Islands	Nesting site for colonial water birds																	X	
ON-018	Nicholl Island Causway	Spring and fall staging area for migratory birds															X	X		
ON-019	Chippewa River	Excellent moose habitat, little access											X							
ON-020	Clark Island	Historic rare animal habitat												X					X	
ON-021	Nipigon Bay Clay Banks	Historic fish spawning habitat												X				X		
ON-022	Cobinosh Island	Historic rare animal habitat												X					X	
ON-023	Cypress River	Fish spawning area												X				X		
ON-024	Deadman's Cove	Wetland, fen with rare plants						X						X					X	
ON-025	Dog River System	Fish spawning area (Dog R. strain of lake trout is one of few river-spawning populations); fish habitat; waterfowl breeding/staging, rare plant habitat						X					X	X	X	X	X	X		
ON-029	Dove Bay	Fish spawning area																	X	
ON-030	Dublin Creek	Suspected fish spawning area												X				X		
ON-031	Eagle River	Fish habitat																	X	
ON-033	Flowerpot Islands	Colonial water birds																	X	
ON-034	Fluor Island	High biodiversity values					X	X												
ON-035	Wawa Fume Kill	High biodiversity values						X												
ON-037	Redsucker Cove	Fish spawning habitat																		
ON-039	Golfcourse Creek	Fish spawning habitat																	X	
ON-040	Goulais River Delta	Fish spawning area, rare species habitat					X	X	X							X		X		
ON-041	Goulais River	Fish spawning habitat												X				X		
ON-042	Gravel Beach	Fish spawning area																	X	
ON-043	Green Island	Colonial water bird habitat																	X	
ON-044	Harmony River	Fish spawning habitat (largest run of rainbow smelt in area) feeding area for heron																	X	
ON-045	Hawkins Island	Colonial water bird habitat																	X	
ON-046	Inside Islands of Nipigon Bay	Fish habitat; raptor habitat												X			X	X		

## ADDENDUM 6-D IMPORTANT HABITAT AREAS OF THE LAKE SUPERIOR BASIN

ON-047	Jackfish Lake	Former fish spawning areas												X	X		X		
ON-048	Kama Bay West	Fish spawning area												X			X		
ON-049	Keifer Terminal Floodway	Coastal wetland; waterfowl staging area and brood rearing				X											X		
ON-050	King Mountain	High biodiversity value; old growth forest pockets; representative landscape			X		X						X						
ON-051	Lake Helen	Former fish spawning area																X	
ON-052	Leach Island	Rare animal habitat (unoccupied)												X					
ON-054	Magnecon Pond																		
ON-055	Maple, Hilltop, and Jackfish Lakes	Fish spawning habitat												X			X		
ON-056	Marlette's Bay	Waterfowl staging area, brood habitat				X											X		
ON-057	Matawin River Nature Reserve	System of productive wetlands; fish spawning habitat waterfowl staging area, rare plant habitat				X	X										X	X	
ON-058	McInnes Lake and Creek	Fish spawning area																X	
ON-059	Mckellar Peninsula	Shoreline habitat, suitable for peregrine falcon nesting									X			X					X
ON-060	Megason Lake	Old growth pockets, roadless area; provincially significant wetlands; fish spawning area, headwaters for several rivers	X		X			X	X	X			X				X		
ON-062	Michipicoten Harbor	Fish spawning area																X	
ON-065	Michipicoten River	Fish spawning area/habitat; coastal wetland/estuary						X						X			X		
ON-066	Lower Michipicoten River	Fish spawning habitat												X			X		
ON-067	Mink Creek	Former fish spawning area																X	
ON-068	Montreal Island	Former populations of woodland caribou													X				
ON-069	Montreal River Nature Reserve	Excellent moose habitat											X						
ON-070	Chippewa River Mouth	Fish spawning habitat																X	
ON-074	Gravel River Mouth	Coastal wetland; migratory bird habitat				X											X		
ON-075	Montreal River Mouth	Fish spawning habitat					X							X	X		X		
ON-077	Kabitotikuia River Mouth	Coastal wetland, rare animal habitat; Provincial Nature Reserve	X			X		X					X						
ON-078	Nipigon River and Bay	Significant coastal wetland; waterfowl nesting/staging area; high biodiversity value				X	X	X									X		

## ADDENDUM 6-D IMPORTANT HABITAT AREAS OF THE LAKE SUPERIOR BASIN

ON-079	Steel River Mouth	Fish spawning area (river spawning lake trout)											X	X		X			
ON-080	Wolf River Mouth	Coastal wetland with sand dunes; waterfowl nesting/staging area; fish spawning area; rare plant habitat				X	X		X							X	X		
ON-083	Nonwatin Lake and Black Sturgeon River	Fish spawning area										X					X		
ON-084	North Skipper Lake																		
ON-085	Northeast Wilson Island	Rare plant habitat							X				X					X	
ON-086	Northwood Bog	Rare plant habitat											X					X	
ON-087	Schreiber Mine	Rare animal habitat (overwintering area for bats)																	
ON-088	Onaman River Mouth	Large wetland; high biodiversity value	X				X					X							
ON-091	Outan Island	Rare animal habitat											X	X					
ON-092	Pancake River	Fish spawning area																X	
ON-093	Parmachene Bridge at Polly Lake												X					X	
ON-094	Pic Dunes	Rare plant habitat; some plants already extirpated from area; Provincial Nature Reserve				X			X	X			X						X
ON-096	Pic River Mouth	Spawning for lake sturgeon in river											X					X	
ON-097	Pipe River Watershed	Excellent moose habitat; fish spawning area																X	
ON-098	Prince and Jarvis	Undisturbed, diverse habitat; raised cobble beaches and Norwester Chain Mountains				X	X												
ON-099	Jarvey Lake	Fish habitat																X	
ON-100	Quebec Harbor	Fish spawning area																X	
ON-101	Renshaw	Wetland; waterfowl nesting and staging area; rare animal habitat				X	X									X			
ON-102	Robertson Cliffs	Rare animal habitat				X	X			X			X	X					
ON-104	Sand Point	Yellow perch habitat; perch numbers declining																X	
ON-105	Sandy Beach	Shorebird habitat, dune habitat							X	X									
ON-106	Shangoina Island	Rare animal habitat (unoccupied by peregrine falcon), colonial water bird habitat											X					X	
ON-107	Shillibeer Lake	Wetland; staging area for waterfowl				X											X		
ON-108	Montreal Shoreline North	Rare arctic plant habitat							X				X					X	
ON-109	Sturdee Cove Shore	Fish spawning area											X					X	

## ADDENDUM 6-D IMPORTANT HABITAT AREAS OF THE LAKE SUPERIOR BASIN

ON-110	Simpson Island	Very important staging area for waterfowl, colonial water bird site,				X						X			X	X		
ON-114	Slate River Drainage	Waterfowl staging and brood habitat													X			
ON-115	Ogilvy Point Islands	Colonial water bird habitat														X		
ON-116	South Fowl Lake	Rare plant habitat (provincially and locally rare plants); Rare animal habitat, excellent waterfowl habitat				X		X	X			X			X			
ON-118	South Michipicoten Island	Fish spawning area										X				X		
ON-119	Speckle Islands	Colonial water bird habitat														X		
ON-120	St. Ignace Island	Rare animal habitat (peregrine falcon unoccupied)										X						
ON-121	St. Ignace and Simpson Islands	Rare animal habitat (woodland caribou unoccupied)										X						
ON-122	Starr Island	Colonial water bird habitat														X		
ON-123	Steamboat Bay	Former fish spawning area														X		
ON-124	The Flats	Rare animal habitat										X						
ON-125	Tunnel Bay	Former fish spawning habitat											X			X		
ON-126	Turkey Lakes	Old growth maple and birch; high biodiversity value (wildlife); roadless area; fish spawning area	X		X		X	X				X				X		
ON-128	Upper St. Mary's River	Fish spawning area														X		
ON-129	West Whitefish Lake	Large inland wetland, waterfowl breeding and staging area, rare animal habitat					X					X			X			
ON-130	Whiskey Point	Significant staging area for waterfowl													X			
ON-132	Wily Lake	Fish spawning area														X		
ON-133	Windikokan Lake	Fish spawning area										X				X		
ON-135	Wolf-Achigan Lakes	Old growth forest, high biodiversity value (landscape level), fish habitat, roadless area	X		X		X	X										
ON-136	Gros Cap Corridor	Migratory fish habitat; commercial fishery; colonial water bird habitat; Gros Cap reef													X	X		
ON-137	Peninsula Harbor	Former fish spawning area; colonial nesting bird habitat														X		
ON-138	Black Bay	Extensive coastal wetlands, diversity of aquatic habitats; provincially significant bog community at east end of bay				X	X									X		
ON-139	Cloud Bay	Coastal wetland, waterfowl migration habitat				X									X			

## ADDENDUM 6-D IMPORTANT HABITAT AREAS OF THE LAKE SUPERIOR BASIN

ON-140	Albert Lake Mesa Nature Reserve	Rare plant habitat											X					
ON-141	Castle Creek Nature Reserve	Cliff habitat, wetlands, rare plants							X				X					
ON-142	Cavern Lake Nature Reserve	Arctic-alpine plant community, rare plants, bat hibernaculum							X	X			X		X			
ON-143	Craigs Pit Nature Reserve	Environmentally Sensitive Area; hawk watch site; broken end moraine							X						X			
ON-144	Devon Road Mesa Nature Reserve	Rare plant habitat											X					
ON-145	Divide Ridge Nature Reserve	Cliff habitat										X						
ON-146	Edward Island Nature Reserve	Fish spawning habitat; unique landform vegetation; part of Lake Superior Archipelago														X		
ON-147	Fraleigh Lake Nature Reserve																	
ON-148	Gravel River Nature Reserve	Important staging area for migratory waterfowl; colonial water bird nesting habitat													X	X		
ON-149	Kabitotikwia River Nature Reserve																	
ON-150	Kaiashke Nature Reserve																	
ON-151	Kakabeka Falls	Fish spawning habitat											X			X		
ON-152	Kama Hill Nature Reserve	Kama Cliffs; representative landform and vegetation types (sparse forests and conifer on broken bedrock)							X									
ON-153	Kashabowie	Fish spawning habitat														X		
ON-154	Kopka River	Waterway park																
ON-155	La Verendrye	Rare plant habitat, cliff communities, wild rice marshes					X		X	X		X	X					
ON-156	Lake Nipigon	Woodland caribou calving islands, long undeveloped lakeshore	X				X	X				X	X					
ON-157	Windigo Bay Nature Reserve	Woodland caribou habitat and migration route, sand dune communities	X									X	X	X	X		X	

## ADDENDUM 6-D IMPORTANT HABITAT AREAS OF THE LAKE SUPERIOR BASIN

ON-158	Le Pate Nature Reserve	Unique landform feature (mesa)								X								
ON-159	Current River	Fish spawning habitat															X	
ON-160	Little Greenwater Lake Nature Reserve																	
ON-161	Livingstone Point Nature Reserve																	
ON-162	Michipicoten Island	Provincial Park; fish spawning habitat; dune formations; rare plant habitat (Arctic-alpine vascular plants); rare animal habitat								X	X			X				
ON-163	Middle Falls	Fish spawning habitat														X	X	
ON-164	Neys	Remnant woodland caribou population, dune and beach communities; Provincial Park									X			X	X			
ON-165	Obatanga																	
ON-166	Ouimet Canyon Nature Reserve	Arctic-alpine plant community, rare plant habitat								X	X			X				
ON-167	Pantagruel Creek Nature Reserve																	
ON-168	Potholes Nature Reserve																	
ON-170	Prairie River Mouth Nature Reserve	Migratory fish habitat; sandbar, beach ridges, and dunes								X						X		
ON-171	Puff Island Nature Reserve	Environmentally Sensitive Area (unusual geological features, bog area)											X					
ON-172	Pukaskwa National Park	Large intact protected area, woodland caribou population, sand dunes, rare plant habitat	X	X			X	X	X				X	X	X			X
ON-173	Quetico Wilderness Area	Large Wilderness area																
ON-174	Red Sucker Point Nature Reserve																	
ON-175	Shesheeb Bay Nature Reserve	Fish spawning habitat															X	
ON-176	Silver Falls																	

## ADDENDUM 6-D IMPORTANT HABITAT AREAS OF THE LAKE SUPERIOR BASIN

ON-177	Slate Islands	Globally significant woodland caribou population, rare plant habitat							X				X	X			X	
ON-178	Sleeping Giant	Old growth red and white pine stands, rare plant habitat, cliff habitats, coastal wetlands	X		X	X	X	X				X	X					
ON-179	Steel River	Environmentally Sensitive Area; migratory waterfowl site; raptor and wading bird habitat; migratory fish habitat													X	X		
ON-180	The Shoals																	
ON-181	Thompson Island Nature Reserve																	
ON-182	Wabakimi Wilderness Area	Woodland caribou habitat, large pristine protected area	X					X				X	X	X			X	
ON-183	West Bay Nature Reserve	Fish spawning habitat														X		
ON-185	White Lake Peatlands Nature Reserve																	
ON-157	Windigo Bay Nature Reserve	Woodland caribou habitat and migration route, sand dune communities	X									X	X	X	X		X	
WI-001	Montreal River Mouth	Great Lakes costal wetland, old growth white cedar forest			X	X										X		
WI-002	Saxon Harbor	Lake Superior beach, fish spawning area														X		
WI-003	Graveyard Creek	Coastal wetlands, spawning habitat for brook and rainbow trout and coho salmon				X										X		
WI-004	Marble Point	Spawning habitat for lake trout, exposed rocky cliff shore														X		
WI-005	Kakagon Sloughs/Bad River	Largest, healthiest fully-functioning estuarine system in the upper Great Lakes. Rare plant and animal habitat, high biodiversity	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
WI-006	Honest John Lake	Coastal wetland includes bog communities, patches of open water, sedge meadow, low shrub and lowland coniferous forest	X	X		X	X	X	X			X	X			X		
WI-007	Oak Point	Coastal wetland. Bog communities are present as linear strips occupying swales between the forested ridges	X			X	X	X				X	X	X	X	X		
WI-008	Long Island	Lake dune landforms, sand beach. Emergent vegetation is common offshore. Rare plant and animal habitat	X			X	X		X	X		X	X	X	X	X		



## ADDENDUM 6-D IMPORTANT HABITAT AREAS OF THE LAKE SUPERIOR BASIN

WI-009	Bibon Swamp	Large wetland complex, largest cold water stream system	X				X	X										
WI-010	Apostle Islands	Extensive and diverse natural plant and animal communities. Rare plant and animal habitat	X	X	X	X	X	X	X	X	X	X	X	X	X	X		
WI-012	La Pointe Marina	Coastal wetlands, fish spawning habitat				X										X		
WI-013	Grants Point	Coastal wetland and beach				X												
WI-014	Bog Lake and Amnicon Point	Unprotected sand beach, open-water coastal wetland				X		X	X							X		
WI-015	North Fish Creek Watershed	Old growth forest, fish spawning habitat, rare plant habitat, migratory wildlife areas			X	X	X		X			X						
WI-016	Whittlesey Creek Mouth	Coastal wetlands, fish spawning habitat, groundwater fed river system				X							X		X			
WI-018	Sioux River Wetland Estuary	Extensive coastal and riparian wetlands, sand beach and sandstone cliffs, rare plant habitat, shoreline bog				X		X					X		X			
WI-019	Onion River	Small coastal estuary, fish spawning habitat				X							X		X			
WI-020	Pikes Creek Slough	Coastal estuary wetland community				X							X		X			
WI-021	Schooner Bay/Red Cliff Bay	Small coastal estuary with extensive wetlands.				X												
WI-022	Frog Bay	Small coastal wetland estuary complex				X												
WI-023	Raspberry Bay and River	Great Lakes sand, gravel, and rock shoreline, riparian wetlands, fish spawning habitat				X										X		
WI-024	Little Sand Bay	Coastal wetlands, sand beach, hemlock and cedar forest				X			X									
WI-025	Big Sand Bay /Sand River	Small coastal freshwater estuary, good fish habitat				X										X		
WI-026	Squaw Bay Tributaries	Three small tributaries form small coastal wetlands at their mouths, sand beach, lake trout spawning area off point				X										X		
WI-027	Siskiwit Bay and River	Bay with spawning area for lake whitefish. Shorebirds use the sand beaches of Siskiwit Bay. Riverine fish spawning habitat.				X										X		
WI-028	Lost Creek Natural Area	Extensive coastal wetland, rare plant habitat, shorebird and fish habitats				X						X			X			
WI-029	Bark Bay and Point	Beach dunes landscape, extensive coastal wetlands and bog. The bay supports submergent vegetation.				X		X					X	X	X			
WI-030	Bark River	Extensive riparian wetlands, cedar and white pine forest, fish habitat						X								X		

## ADDENDUM 6-D IMPORTANT HABITAT AREAS OF THE LAKE SUPERIOR BASIN

WI-031	Cranberry River State Fishery Area	Great Lakes coastal lagoon and coastal wetlands, diverse fish community				X								X		X		
WI-032	Cranberry River Headwaters	Ground water source for fish habitat						X										
WI-033	Flag River Fishery Area & Port Wing Natural Area	Extensive coastal wetland area, old beach ridges, rare plant habitat				X			X	X				X	X	X		
WI-034a	Mud Lake	Riparian wetland habitat, bog															X	
WI-034b	Millpond Lake	Riparian wetland habitat															X	
WI-034c	Sand Barrens	Rare plant habitat, representative natural community, ecological processes	X					X										
WI-034d	Iron River Mouth	Great lakes coastal wetlands, fish spawning habitat					X		X								X	
WI-034e	Iron River Watershed	Fish spawning habitat	X					X									X	
WI-035	Reefer Creek	Small freshwater estuary, fish spawning habitat				X											X	
WI-036	Fish Creek	Small estuary with coastal wetlands, eroding scarps in unconsolidated sediments				X												
WI-037	Martinson's Landing	Freshwater estuary and coastal wetlands, sand beach, erodible clay banks				X											X	
WI-038	Brule River Watershed	Great Lakes coastal wetlands, fish spawning habitat, old growth forest, riparian wetlands		X		X	X							X		X		
WI-039	Smith Creek Estuary	Coastal wetlands				X												
WI-040	Pearson Creek Estuary	Coastal wetlands, gravel beach, eroding red clay bluffs				X												
WI-041	Poplar River Estuary	Coastal freshwater wetland estuary, fish spawning habitat				X											X	
WI-042	Middle River Estuary	Lake Superior freshwater estuary with coastal wetlands, fish spawning habitat, eroding red clay deposits.				X											X	
WI-043	Amnicon River Estuary	Freshwater estuary with coastal wetlands and sheltered vegetated banks, fish spawning habitat				X											X	
WI-044	Small Estuaries	Several small streams flow through red clay soils and form small estuaries where they enter Lake Superior, alder thickets, shrub carr wetlands				X												
WI-045	Wisconsin Point & Allouez Bay	Bay mouth bar geological feature, longest freshwater sand spit, sand dune ecosystem, colonial waterbird nesting area, migratory wildlife habitat				X	X		X		X		X	X	X	X	X	
WI-046	Nemadji River Mouth	Extensive riparian wetlands, great lakes coastal marsh				X											X	

**ADDENDUM 6-D IMPORTANT HABITAT AREAS OF THE LAKE SUPERIOR BASIN**

WI-047	Hog Island	Shallow open water and wetlands, breeding and migrating waterfowl habitat				X												
WI-048	Superior Municipal Forest	Great Lakes pine forest, rare plant and animal habitat, Great Lakes freshwater estuary			X	X		X										
WI-049	Oliver Wetlands	Great Lakes freshwater estuary, coastal marsh, migratory bird habitat				X		X										
WI-050	Red River	Rare plant habitat, eroding red clay bluffs, fish spawning habitat				X	X	X					X	X			X	
WI-051	Chequamegon Bay	Fish spawning habitat, coastal wetlands	X	X								X					X	
WI-052	Ashland Tern Island	Colonial waterbird nesting habitat, rare animal habitat											X					
WI-053	NSP Tern Island	Colonial waterbird nesting habitat, rare animal habitat											X					
WI-054	Copper Falls State Park	River gorge with falls, old growth mixed northern hardwoods forest	X		X		X	X				X						
WI-055	Big Bay State Park	Coastal lagoon and wetlands complex, floating bog, sand beaches, and unique plant communities.				X			X	X	X		X			X	X	
WI-056	Rainbow Lake Wilderness Area	Representative plant communities, northern hardwood and mixed conifer/deciduous forest communities, old growth forest, diverse habitat types, rare plant and animal habitat.	X	X	X		X	X				X	X					

Definitions

Code	Name	Description
Criteria Code	Criteria Name	Criteria Definition
C1	Rare Communities	Rare communities. Communities that are of high quality, or have high restoration potential, or are critically endangered. Examples include: calcareous fens, beach dunes, interdunal wetlands, red clay wetland complexes, bedrock beaches and cliffs.
C2	Rare Habitats	Plant and wildlife habitats that are rare in the Lake Superior basin, or are rare globally.
C3	Habitat Unique to Great Lakes	Plant and wildlife habitats that occur only in the Great Lakes basin.
C4	Representative Natural Communities	Communities that are, or that with restoration could be, outstanding representatives of the natural (i.e., pre-settlement) ecosystem.
E1	Large Natural Ecosystem	Large, relatively unfragmented areas most representative of the Lake Superior basin ecosystem that support natural community assemblages where ecosystem dynamics are intact or can be restored.

E2	Nationally Significant Ecosystem	Nationally significant ecosystems. Areas that have wildlife and plant habitat values that go beyond local values in that they provide substantial benefits that extend beyond the basin.
E3	Old Growth Forest	Old Growth Forest. Tracts of varying size supporting native old growth forest. Tracts that with restoration and proper management could support high quality, native old growth forest.
E4	Coastal Wetland or Shore	Coastal shore or coastal wetland ecosystems. Sites that have, or with restoration could develop, high quality, diverse ecosystems that are representative of the interacting communities unique to the Lake Superior shoreline.
E5	Diverse Ecosystem	Areas that support high biological and ecological diversity. Sites that support, or with restoration could support the compositional, functional, and structural elements associated with diverse ecosystems.
E6	Ecosystem Integrity Contribution	Habitats that contribute to, or with restoration could contribute to maintaining ecosystem integrity on a landscape scale. These areas could include buffering communities around currently protected ecosystems, core areas within a managed area, or connecting corridors between important habitat sites.
S1	RTE Species Habitat	Sites (large or small) that serve as habitat for vulnerable, endangered, threatened, or special concern species (or candidate species) during any stage of their life cycle. Currently occupied habitats and sites with potential for future colonization or reintroduction are included. Prioritization of potentially occupiable sites depends on the status of the species (i.e., rarity at global, sub-national and basin scales), the likelihood of occupation and the quality (or restoration potential) of the site.
S2	Documented Species Habitat	Sites that serve, or, with restoration, may serve vital functions in the life cycle of species named in appropriate planning documents (e.g., Lake Superior Ecosystem Objectives, Fish Community Objectives for Lake Superior, Tribal resource plans, etc.)
S3	Migration Habitat	Habitats required for the conservation of migratory wildlife (e.g., neotropical migrant birds, anadromous fish, etc.), including staging areas, migration corridors and routes.
S4	Spawning Nesting or Nursery Habitat	Spawning and nursery grounds for reptiles, amphibians, fish, or aquatic invertebrates. Colonial water bird nesting sites.
S5	At Risk Habitat	Habitats that can contribute to the conservation of species most likely to be at risk from human activity.
S6	Ecological Function Habitats	Habitats that support species that provide important ecological functions (e.g., nutrient cycling or chemical detoxification.)

**ADDENDUM 6-E. SELECTED STREAM MONITORING DATA FOR ONTARIO TRIBUTARIES (OME DATA).**

Stream	Total Alkalinity*	BOD, 5 Day, Total Demand*	Dissolved Organic Carbon*	Conductivity **	dissolvedO <sub>2</sub>	Fecal Coliform	pH	Stream Condition	Turbidity***
Agawa River	12.39	0.79	5.13	46.32	11.04	4.21	7.04	0.73	0.88
Aguasabon River	149.89	6.65	8.67	339.21	6.93	5.53	7.54	0.54	3.54
Black River	82.32	1.13	13.68	193.70	10.54	8.52	7.94	2.19	13.50
Black Sturgeon R.	61.41	7.10	12.94	248.03	11.58	4.82	7.69	0.42	4.30
Cedar Creek	56.96	0.83		154.70	9.84	11.50	7.52	0.37	1.04
Cloud River	49.49	1.35	10.50	111.49	11.63	12.38	7.30	0.51	19.63
Coldwater Creek	123.45	1.16	8.00	235.29	11.71	6.37	7.91	0.54	19.25
Dead Horse Creek	33.43	0.81		88.31	10.87	7.00	7.36	0.39	1.53
Gravel River	50.42	1.39	6.67	108.00	12.06	11.79	7.57	0.51	7.91
Hayward Creek	19.60	1.05		1484.26	9.85	10.00	6.87	0.41	1.00
Jackfish River	65.29	1.57	12.00	138.26	10.90	14.03	7.43	0.51	3.63
Jackpine River	26.24	1.16	11.00	65.55	11.79	6.26	7.19	0.53	0.71
Kaministiquia River	41.12	9.33	33.08	161.69	9.22	6441.39	7.28	0.71	10.54
Little Pic River	84.62	8.54	37.36	169.60	11.31	11.29	8.03	2.27	32.85
Magpie River	47.08	0.87	6.52	141.52	11.71	102.95	7.66	0.66	1.59
McIntyre River	75.62	0.79		194.41	11.03	49.72	7.84	0.51	3.30
McKellar River	43.74	2.90		132.08	8.41	1151.72	7.22	0.51	6.51
McVicar Creek	95.70	1.18	12.00	292.18	11.07	556.42	7.91	0.52	8.01
Michipicoten R.	27.90	0.72	6.03	76.65	11.40	1.94	7.43	0.67	1.00
Mission River	40.21	7.28		151.29	8.39	2342.25	7.15	0.52	8.64
Montreal River	21.00	0.68	8.50	64.02	11.19	0.20	7.16	0.64	1.27
Neebing River	106.34	1.93	13.67	291.56	9.43	430.08	7.40	0.52	14.94
Nipigon River	73.34	0.71	7.54	145.74	11.88	7.37	7.90	0.48	4.02
Old Women River	21.06	1.04	5.67	64.19	11.96	2.22	8.78	0.51	1.13
Pays Plat River	14.97	1.52	9.33	46.09	11.79	3.00	6.83	0.52	0.96
Pearl River	55.16	1.51	6.33	123.23	11.55	4.53	7.49	0.51	1.05
Pic River	98.60	1.18	14.44	187.20	10.81	9.66	8.00	2.10	51.19
Pigeon River	31.00	1.53	13.30	91.10	12.14	9.41	7.10	0.51	12.77
Pine River	56.51	1.79	20.33	129.89	11.57	20.71	7.41	0.51	17.89
Prairie River	82.63	1.55	10.00	163.68	11.92	8.69	7.67	0.52	7.65
Sand River	9.19			36.27	10.73		7.09	0.69	1.12

**ADDENDUM 6-E. SELECTED STREAM MONITORING DATA FOR ONTARIO TRIBUTARIES (OME DATA).**

Stream	Total Alkalinity*	BOD, 5 Day, Total Demand*	Dissolved Organic Carbon*	Conductivity **	dissolvedO <sub>2</sub>	Fecal Coliform	pH	Stream Condition	Turbidity***
Silver Creek		1.59		192.58	10.75	0.20		0.51	30.35
Steel River	52.37	0.96	9.00	113.49	12.23	14.79	7.64	0.54	2.62
Wawa Creek	54.66	0.81	5.36	182.48	11.57	5.92	7.69	0.61	3.22
White River	64.52	4.24	9.51	156.99	10.45	6.77	7.65	0.42	1.09
Whitesand River	9.37	0.77		54.98	11.78	10.13	7.04	0.34	0.65
Wolf River	97.26	1.20	10.33	186.47	12.00	2.43	7.86	0.52	5.25
Typical	10 – 100	0.6 – 1.4		73 – 264			7.4 – 8.0		
Polluted (extreme values)	21 – 119	180		1425					

\* milligrams per liter, \*\*micromhos/cm at 25°C, \*\*\*formazin turbidity unit,

**ADDENDUM 6-F . PRESENCE OF FISH SPECIES OBSERVED DURING 1953-1996  
IN TRIBUTARIES WITHIN MANAGEMENT UNITS OF LAKE SUPERIOR.**

Stream	Stream length (mi)	Miles below barrier	Chinook salmon	Coho salmon	Atlantic salmon	Pink salmon	Rainbow trout	Brown trout	Brook trout	Lake trout	Lake whitefish	Walleye	Lake sturgeon
MN-3													
Cascade		0.1	X				X		X				
Cutface		0.4					X		X				
Fall		0.1					X		X				
Devil Track		1.4					X		X				
Durfee		0.1					X		X				
Cliff		2.0					X		X				
Kimball		1.6					X		X				
Stone		0.1					X		X				
Kadunce		0.4					X		X				
East Colville		0.8					X		X				
Little Brule		0.3					X		X				
Brule		1.5					X		X				
Gauthier		0.2					X		X				
Myhr		0.1					X		X				
Flute Reed		6.7					X		X				
Carlson		0.6					X		X				
Farquhar		1.8					X		X				
Reservation		3.6					X		X				
Hollow Rock		0.1					X		X				
Grand Portage		0.1					X		X				
Pigeon												X	X
subtotal	0.0	22.0	1	0	0	0	20	0	20	0	0	1	1
MN-2													
Gooseberry		0.8					X		X				
Split Rock		0.7					X		X				
Stream #30		0.1					X						
Beaver		0.2					X						
Palisade		1.2					X		X				
Baptism		0.9	X	X			X		X				

**ADDENDUM 6-F . PRESENCE OF FISH SPECIES OBSERVED DURING 1953-1996  
IN TRIBUTARIES WITHIN MANAGEMENT UNITS OF LAKE SUPERIOR.**

Stream	Stream length (mi)	Miles below barrier	Chinook salmon	Coho salmon	Atlantic salmon	Pink salmon	Rainbow trout	Brown trout	Brook trout	Lake trout	Lake whitefish	Walleye	Lake sturgeon
Little Marais		0.1					X		X				
Dragon		0.3					X		X				
Manitou		0.1					X		X				
Little Manitou		0.5					X		X				
Caribou		0.1					X		X				
Sugar Loaf		0.1					X		X				
Last		0.1					X		X				
Section 15		0.1					X		X				
Two Island		0.1					X		X				
Cross		0.3					X		X				
Temperance		0.1					X	X	X				
Onion		0.2					X		X				
Rollins		0.1					X		X				
Poplar		0.1					X		X				
Lutsen		0.1					X		X				
Jonvick		0.1					X		X				
Spruce		0.1					X		X				
Indian Camp		0.8					X		X				
subtotal	0.0	7.3	1	1	0	0	24	1	22	0	0	0	0
MN-1													
St. Louis												X	X
State Line		2.0					X						
Nett		2.0					X						
Little Nett		1.2					X						
Anderson		3.0					X						
Silver		6.5					X						
Nemadji		23.8					X						
Deer		1.0					X						
Blackhoff		12.0					X						
Chester		0.1	X				X						



**ADDENDUM 6-F . PRESENCE OF FISH SPECIES OBSERVED DURING 1953-1996  
IN TRIBUTARIES WITHIN MANAGEMENT UNITS OF LAKE SUPERIOR.**

Stream	Stream length (mi)	Miles below barrier	Chinook salmon	Coho salmon	Atlantic salmon	Pink salmon	Rainbow trout	Brown trout	Brook trout	Lake trout	Lake whitefish	Walleye	Lake sturgeon
Tischer		0.1					X						
Lester		1.1	X				X		X				
Amity		1.3					X		X				
Talmadge		2.0					X		X				
French		0.2	X				X		X				
Schmidt		0.1					X						
Sucker		4.0	X				X		X				
Knife		70.0		X			X	X	X				
Stewart		1.5					X		X				
Little Stewart		2.3					X		X				
Silver		0.5					X		X				
Encampment		0.5					X		X				
subtotal	0.0	135.2	4	1	0	0	21	1	10	0	0	1	1
WI-1													
Nemadji	46.0		X				X	X				X	
Amnicon												X	
Middle							X	X				X	
Poplar												X	
Bois Brule	73.6		X	X			X	X	X			X	
Iron	2.0						X	X					
Flag	16.4		X	X			X	X					
Cranberry	17.1		X	X			X	X					
subtotal	155.1	0.0	4	3	0	0	6	6	1	0	0	5	0
WI-2													
Bark	5.6			X			X	X					
Siskiwit	0.5		X	X			X	X					
Raspberry												X	
Red Cliff Cr.									X				
Pikes	9.0		X	X			X	X					
Onion	4.0			X			X	X	X				

**ADDENDUM 6-F . PRESENCE OF FISH SPECIES OBSERVED DURING 1953-1996  
IN TRIBUTARIES WITHIN MANAGEMENT UNITS OF LAKE SUPERIOR.**

Stream	Stream length (mi)	Miles below barrier	Chinook salmon	Coho salmon	Atlantic salmon	Pink salmon	Rainbow trout	Brown trout	Brook trout	Lake trout	Lake whitefish	Walleye	Lake sturgeon
Sioux	22.0	2.0	X	X			X	X					
Whittlesey	6.8		X	X			X	X					
Fish Cr.	25.4		X	X			X	X					
Kakagon												X	
Bad	85.0		X	X			X	X				X	X
Graveyard	5.5			X			X		X				
Oronto	5.6			X			X						
subtotal	169.4	2.0	6	10	0	0	10	8	3	0	0	3	1
MI-1													
Caribou Cr.		0.4											
Grace Cr.		5.1					X		X				
Feldtman Cr.		0.9											
Big Siskiwit		7.7		X			X		X				
Senter Point Cr.		1.8											
Little Siskiwit		8.6					X		X				
Siskiwit Lake Outlet		0.4					X		X				
Lake Ritchie Cr.		1.4											
Lake Mason Cr.		0.4											
Wallace Lake Cr.		0.3											
Benson Cr.		1.6					X		X				
Moose Lake Outlet		0.1							X				
Hidden Lake Outlet		0.1							X				
Tobin Cr.		3.7							X				
Sargent Lake Cr.		1.3							X				
Chickenbone Lake Cr.		0.5							X				
Beaver Lake Cr.		0.3											
Øtter Lake Cr.		0.7											
Todd Harbor Cr.		1.2											
Hatchet Lake Outlet		2.0											

**ADDENDUM 6-F . PRESENCE OF FISH SPECIES OBSERVED DURING 1953-1996  
IN TRIBUTARIES WITHIN MANAGEMENT UNITS OF LAKE SUPERIOR.**

Stream	Stream length (mi)	Miles below barrier	Chinook salmon	Coho salmon	Atlantic salmon	Pink salmon	Rainbow trout	Brown trout	Brook trout	Lake trout	Lake whitefish	Walleye	Lake sturgeon
Pickett Bay Cr.		1.1											
L. Todd Harbor Cr.		0.5											
Washington Cr.		7.5					X		X				
Hugginnin Cr.		0.1					X						
subtotal	0.0	47.7	0	1	0	0	7	0	11	0	0	0	0
MI-2													
Montreal		0.5		X			X					X	
Treasure Cr.		3.0											
Flink Cr.		2.0											
Maki Cr.		2.0											
Ohman Cr.		3.0						X					
Ikwesens Cr.		2.0											
L. Speckled Cr.		2.0					X		X				
Scalp Cr.		2.0											
Killdeer Cr.													
Montana Cr.		1.0											
Ghost Cr.		1.0											
Nighthawk Cr.		2.0											
Maple Cr.		1.0					X		X				
Paleface Cr.		1.0											
Black		0.8	X	X				X					
Chickadee Cr.		2.0											
Bobolink Cr.		2.0											
Tanager Cr.		2.0											
Gijik Cr.		3.0											
Namebinag Cr.		3.0											
Camp B Cr.		3.0											
Presque Isle		0.5					X	X					
Cardinal Cr.		1.0											
Speaker Cr.		4.0					X		X				

**ADDENDUM 6-F . PRESENCE OF FISH SPECIES OBSERVED DURING 1953-1996  
IN TRIBUTARIES WITHIN MANAGEMENT UNITS OF LAKE SUPERIOR.**

Stream	Stream length (mi)	Miles below barrier	Chinook salmon	Coho salmon	Atlantic salmon	Pink salmon	Rainbow trout	Brown trout	Brook trout	Lake trout	Lake whitefish	Walleye	Lake sturgeon
Tiebel Cr.		5.0					X		X				
Kenebeck Cr.		2.0							X				
Pinkerton Cr.		6.0					X						
Little Carp		0.5					X						
Toledo Cr.		3.0											
Carp		1.5					X		X				
Union		4.0					X		X				
Mud Cr.		3.0											
Ash Cr.		5.0											
Little Iron		7.6					X						
Iron		1.0		X			X						
Mineral		15.0	X	X	X		X					X	
Patent Cr.		2.0											
Stony Cr.		7.0											
Pine		9.0											
Duck		10.0											
Halfway Cr.		10.0											
Townline Cr.		10.0											
Little Cranberry		10.0											
Cranberry		13.3					X						
Floodwood		10.0											
Potato		17.6	X	X	X		X	X				X	
Second Cr.		7.0											
First Cr.		7.0											
SEC 11NE Cr.		3.0											
Ontonagon		252.8	X	X			X	X	X			X	
Paddys Cr.		7.0											
Bear Cr.		10.0											
Flintsteel		15.0					X	X					
Firesteel		56.1					X	X	X				

**ADDENDUM 6-F . PRESENCE OF FISH SPECIES OBSERVED DURING 1953-1996  
IN TRIBUTARIES WITHIN MANAGEMENT UNITS OF LAKE SUPERIOR.**

Stream	Stream length (mi)	Miles below barrier	Chinook salmon	Coho salmon	Atlantic salmon	Pink salmon	Rainbow trout	Brown trout	Brook trout	Lake trout	Lake whitefish	Walleye	Lake sturgeon
Tenmile Cr.		5.0											
subtotal	0.0	559.2	4	6	2	0	18	7	9	0	0	4	0
MI-3													
West Sleeping		7.0					X						
East Sleeping		22.0					X						
McCarthy Cr		3.0											
Black Cr.		7.0											
SEC 8 Tributary		5.0											
Misery		1.8		X			X	X	X			X	
Little Elm		6.0		X			X		X				
Elm		15.0		X			X		X				
Graveret		7.0		X			X		X				
Big Cr.													
Deer Lake Outlet													
Hungarian Cr.													
Quincy Cr.													
Dubuque Cr.													
Mud Lake Cr.													
Lily Lake Cr.													
Lovell Cr.													
Mud Lake Outlet		5.6					X		X				
Salmon Trout		0.4		X			X		X				
Schlotz Cr.		5.0					X		X				
Coles Cr.		3.0		X			X		X				
Creek No 1													
Swedetown Cr.		3.0		X			X						
Creek No 3													
Creek No 2													
Creek No 1													
Boston-Lily Cr.		5.0					X	X	X				

**ADDENDUM 6-F . PRESENCE OF FISH SPECIES OBSERVED DURING 1953-1996  
IN TRIBUTARIES WITHIN MANAGEMENT UNITS OF LAKE SUPERIOR.**

Stream	Stream length (mi)	Miles below barrier	Chinook salmon	Coho salmon	Atlantic salmon	Pink salmon	Rainbow trout	Brown trout	Brook trout	Lake trout	Lake whitefish	Walleye	Lake sturgeon
Sand Hill Cr.													
Creek No 5													
Smith Cr.							X		X				
McGunn's Cr.		3.0					X	X	X				
Creek No 2													
Creek No 1													
Gardners Cr.		2.0											
Brewery Cr.		2.0											
Black Cr.													
Hill Cr.		7.0											
Gratiot		1.8					X	X					
Morrison Cr.													
Eagle		1.0											
Garden City Br.		3.0					X						
Jacobs Cr.		0.5											
Owls Cr.		2.0											
Eliza Cr.		3.5					X	X					
Cedar Cr.		2.0											
Silver		0.5											
Glazon Cr.							X						
Fanny Hoe Cr.		0.5	X	X			X						
subtotal	0.0	124.6	1	8	0	0	19	5	11	0	0	1	0
MI-4													
Union Cr.		4.0											
Keystone Cr.		2.0											
Hoar Cr.		1.5											
Montreal		0.5					X						
Bear Cr.							X						
L. Gratiot		7.9					X					X	
Little Betsy		2.0											

**ADDENDUM 6-F . PRESENCE OF FISH SPECIES OBSERVED DURING 1953-1996  
IN TRIBUTARIES WITHIN MANAGEMENT UNITS OF LAKE SUPERIOR.**

Stream	Stream length (mi)	Miles below barrier	Chinook salmon	Coho salmon	Atlantic salmon	Pink salmon	Rainbow trout	Brown trout	Brook trout	Lake trout	Lake whitefish	Walleye	Lake sturgeon
Big Betsy		4.0											
Winters Cr.		0.5											
Tobacco		15.0		X			X						
Chub Eators Cr.													
Traverse		14.7		X			X		X			X	
Lahti Cr.		3.0											
McCallum Cr.		4.0											
Sawmill Cr.													
Trap Rock		15.0		X			X		X			X	
Gooseneck Cr.													
Pilgrim		10.0		X			X		X				
Denton Cr.													
Jarvi Cr.		1.0					X						
Hazel Cr.													
Pike		10.0					X	X					
Sturgeon		104.0		X			X	X				X	X
Snake		3.0											
Kelsey Cr.		6.0					X		X				
Little Carp		7.0		X			X		X				
Hazel Cr.		2.0				X	X						
Black Cr.		2.0				X	X						
Menge Cr.		4.0				X	X	X	X				
Falls		1.2		X		X	X	X	X				
Linden Cr.		5.0						X					
Little Silver Cr.		5.0		X			X		X				
Snug Harbor Cr.		1.0											
Silver		5.5	X	X			X		X			X	
Slate		0.6		X			X		X			X	
Ravine		10.2		X			X		X			X	
Peterson Cr.		4.0											

**ADDENDUM 6-F . PRESENCE OF FISH SPECIES OBSERVED DURING 1953-1996  
IN TRIBUTARIES WITHIN MANAGEMENT UNITS OF LAKE SUPERIOR.**

Stream	Stream length (mi)	Miles below barrier	Chinook salmon	Coho salmon	Atlantic salmon	Pink salmon	Rainbow trout	Brown trout	Brook trout	Lake trout	Lake whitefish	Walleye	Lake sturgeon
Gulskog Cr.		1.0					X						
Huron		16.3		X			X		X			X	
L. Huron		5.0					X		X				
Pine		6.1					X		X			X	
subtotal	0.0	284.0	1	12	0	4	24	5	14	0	0	9	1
MI-5													
Salmon Trout		11.3	X	X		X	X		X			X	
Iron		3.0	X	X		X	X		X			X	
Big Garlic		11.5				X	X		X			X	
Little Garlic		5.9		X		X	X		X				
Harlow Cr.		8.7	X	X			X		X			X	
Campau Cr.		2.0		X			X		X				
Dead		1.1	X			X	X		X			X	
Whetstone Cr		0.5					X	X	X				
Orianna Cr		0.5					X	X	X				
Carp		5.3	X	X		X	X	X	X				
Chocolay		74.8	X				X	X	X			X	
Laughing Whitefish	15.0	10.0	X	X		X	X	X	X			X	
Sand	10.0		X	X			X						
subtotal	25.0	134.6	8	8	0	7	13	5	12	0	0	7	0
MI-6													
Hurricane	7.0			X			X		X				
Sullivan Cr.	2.0			X		X	X		X				
Seven Mile Cr.	5.0						X						
Beaver Cr.	0.5						X						
Spray Cr.	3.0	0.0											
Chapel Cr.	3.5												
Mosquito	5.0	1.0		X			X						
Miners Cr.	10.0	1.0					X		X				
Munising Falls Cr.	1.5	<0.5					X						



**ADDENDUM 6-F . PRESENCE OF FISH SPECIES OBSERVED DURING 1953-1996  
IN TRIBUTARIES WITHIN MANAGEMENT UNITS OF LAKE SUPERIOR.**

Stream	Stream length (mi)	Miles below barrier	Chinook salmon	Coho salmon	Atlantic salmon	Pink salmon	Rainbow trout	Brown trout	Brook trout	Lake trout	Lake whitefish	Walleye	Lake sturgeon
Tannery Falls Cr.	0.8	<0.25					X						
Anna	10.0	<0.5	X	X		X	X	X	X		X		
Unknown 27	0.5												
Bay Furnace Cr.	5.0		X	X		X	X	X	X			X	
Au Train	15.0	10.0	X	X		X	X	X	X			X	
Coots Cr.	0.8												
Rock	10.0	0.1	X	X		X	X	X	X			X	
Deer Lake Cr.	0.5						X						
N. Light Cr.	2.5												
Unknown 18	0.5												
Unknown 19	0.5												
Unknown 20	0.3												
Unknown 21	0.3												
Unknown 22	0.8												
Echo Lake Cr.	0.5												
Unknown 23	0.5												
Unknown 24	0.5												
Unknown 25	0.5												
Unknown 26	0.3												
Gull Pt. Cr.	1.3												
subtotal	88.3	12.1	4	7	0	5	13	4	7	0	1	3	0
MI-7													
Three Mile Cr.	3.0					X	X		X				
L. Two Hearted	10.0			X		X	X		X				
Two Hearted	20.0		X	X		X	X	X	X			X	
Blind Sucker	7.0		X	X		X	X		X				
Sucker	10.0		X	X		X	X		X			X	
Unknown 16	1.2												
Unknown 17	0.5												
Sable Cr.	7.0	<0.5		X		X	X						

**ADDENDUM 6-F . PRESENCE OF FISH SPECIES OBSERVED DURING 1953-1996  
IN TRIBUTARIES WITHIN MANAGEMENT UNITS OF LAKE SUPERIOR.**

Stream	Stream length (mi)	Miles below barrier	Chinook salmon	Coho salmon	Atlantic salmon	Pink salmon	Rainbow trout	Brown trout	Brook trout	Lake trout	Lake whitefish	Walleye	Lake sturgeon
subtotal	58.7	<0.5	3	5	0	6	6	1	5	0	0	2	0
<b>MI-8</b>													
Ashmun Cr.	3.0												
Seymour Cr.	1.0												
Waishkey	15.0		X	X		X	X					X	
L. Waishkey	5.0												
Parish Cr.	2.0												
Club Cr.	1.5								X				
Deep Cr.	0.5												
Zabelka's Cr.	0.3												
Bayou Outlet	0.8												
Pendills Cr.	3.0	<.5	X	X			X		X				
Grant Cr.	2.0		X	X		X	X						
Halfaday Cr.	3.0			X		X	X		X				
Mill Cr.	1.7						X						
Naomikong Cr.	3.0			X			X		X				
Ankodosh Cr.	5.0			X			X						
Rocksbury Cr.	5.0		X	X		X	X		X				
Silver Cr.	2.0												
Galloway Cr.	3.0						X		X				
Tahquamenon	100.0	15.0	X	X		X	X	X				X	X
Black Cr.	3.0						X		X				
Unknown 1	0.5												
O'Brien's Cr.	1.0												
Unknown 2	0.4												
Unknown 3	0.2												
Unknown 4	0.3												
Unknown 5	0.7												
Unknown 6	0.4												
Betsy Cr.	15.0	3.0	X	X			X	X	X			X	

**ADDENDUM 6-F . PRESENCE OF FISH SPECIES OBSERVED DURING 1953-1996  
IN TRIBUTARIES WITHIN MANAGEMENT UNITS OF LAKE SUPERIOR.**

Stream	Stream length (mi)	Miles below barrier	Chinook salmon	Coho salmon	Atlantic salmon	Pink salmon	Rainbow trout	Brown trout	Brook trout	Lake trout	Lake whitefish	Walleye	Lake sturgeon
Unknown 7	1.0												
Unknown 8	1.2												
Unknown 9	0.8												
Unknown 10	0.6												
Unknown 11	0.3												
Unknown 12	0.4												
Unknown 13	0.5												
Unknown 14	0.5												
Unknown 15	0.4												
subtotal	183.8	18.0	6	9	0	5	12	2	8	0	0	3	1
ON-1													
Current									X			X	
McVicar Cr.		3.7					X		X			X	
Mackenzie		1.5				X	X		X				
Portage		0.6					X						
subtotal	0.0	5.8	0	0	0	1	3	0	3	0	0	2	0
ON-2													
Kaministiquia			X									X	X
Whitefish			X										
Neebing		0.1	X				X		X			X	
McIntyre		3.7	X			X	X		X			X	
Subtotal	0.0	3.8	4	0	0	1	2	0	2	0	0	3	1
ON-4													
McKellar												X	
Mission												X	
Whiskeyjack Cr.												X	
Subtotal	0.0	0.0	0	0	0	0	0	0	0	0	0	3	0
ON-5													
Pigeon			X									X	
Jarvis												X	

**ADDENDUM 6-F . PRESENCE OF FISH SPECIES OBSERVED DURING 1953-1996  
IN TRIBUTARIES WITHIN MANAGEMENT UNITS OF LAKE SUPERIOR.**

Stream	Stream length (mi)	Miles below barrier	Chinook salmon	Coho salmon	Atlantic salmon	Pink salmon	Rainbow trout	Brown trout	Brook trout	Lake trout	Lake whitefish	Walleye	Lake sturgeon
Little Pine												X	
Pine												X	
Sturgeon												X	
subtotal	0.0	0.0	1	0	0	0	0	0	0	0	0	5	0
ON-6													
Sibley Cr.		0.9					X					X	
Coldwater Cr.		21.1	X	X		X	X		X				
subtotal	0.0	22.0	1	1	0	1	2	0	1	0	0	1	0
ON-7													
Wolf		6.8	X	X		X	X		X				
Black Sturgeon		9.9	X	X		X	X		X			X	X
Welch Cr.												X	
subtotal	0.0	16.7	2	2	0	2	2	0	2	0	0	2	1
ON-10													
Nipigon			X						X				X
Jackpine									X				
subtotal	0.0	0.0	1	0	0	0	0	0	2	0	0	0	1
ON-11													
Cypress									X				
Little Gravel									X				
Gravel												X	X
Pays Platt												X	
subtotal	0.0	0.0	0	0	0	0	0	0	2	0	0	2	1
ON-12													
S-610												X	
S-608												X	
subtotal	0.0	0.0	0	0	0	0	0	0	0	0	0	2	0
ON-18													
Steel		6.2	X	X	X	X	X		X				
Aguasabon		0.1					X						

**ADDENDUM 6-F . PRESENCE OF FISH SPECIES OBSERVED DURING 1953-1996  
IN TRIBUTARIES WITHIN MANAGEMENT UNITS OF LAKE SUPERIOR.**

Stream	Stream length (mi)	Miles below barrier	Chinook salmon	Coho salmon	Atlantic salmon	Pink salmon	Rainbow trout	Brown trout	Brook trout	Lake trout	Lake whitefish	Walleye	Lake sturgeon
Fishnet Cr.												X	
subtotal	0.0	6.3	1	1	1	1	2	0	1	0	0	1	0
ON-19													
Dead Horse Cr.												X	
ON-23													
Little Pic			X										
Pic			X									X	X
White			X										
North Swallow		0.1		X			X		X				
Swallow		0.7					X						
White Gravel		1.1					X		X			X	
White			X									X	
Hattie												X	
subtotal	0.0	1.9	4	1	0	0	3	0	2	0	0	4	1
ON-24													
Pukaskwa							X		X				
ON-28													
Dog (University)							X			X		X	
Michipicoten			X									X	X
subtotal	0.0	0.0	1	0	0	0	1	0	0	1	0	2	1
ON-31													
Unnamed Cr.									X				
Sand									X				
Agawa												X	
subtotal	0.0	0.0	0	0	0	0	0	0	2	0	0	1	0
ON-33													
Montreal									X	X		X	
Pancake		4.3		X			X		X				
Carp												X	
Batchawana		6.2					X					X	

**ADDENDUM 6-F . PRESENCE OF FISH SPECIES OBSERVED DURING 1953-1996  
IN TRIBUTARIES WITHIN MANAGEMENT UNITS OF LAKE SUPERIOR.**

Stream	Stream length (mi)	Miles below barrier	Chinook salmon	Coho salmon	Atlantic salmon	Pink salmon	Rainbow trout	Brown trout	Brook trout	Lake trout	Lake whitefish	Walleye	Lake sturgeon
Chippewa		0.6	X	X		X	X		X			X	
Harmony												X	
Stokely Cr.		6.5					X					X	
subtotal	0.0	17.6	1	2	0	1	4	0	3	1	0	6	0
ON-34													
Goulais		37.2	X	X		X	X					X	X
Big Carp												X	
East Davingnon Cr.												X	
subtotal	0.0	37.2	1	1	0	1	1	0	0	0	0	3	1
	680.2	1458.1	60	79	3	35	213	45	153	2	1	76	12

## APPENDIX 6-G SPECIES NAMES

Common and scientific names of species mentioned in the text.

Alpine Bistort	<i>Polygonum viviparum</i>
Alpine Chickweed	<i>Cerastium alpinum</i>
American Beech	<i>Fagus grandifolia</i>
American Bison	<i>Bos bison</i>
American Brook Lamprey	<i>Lampetra appendix</i>
American Crow	<i>Corvus brachyrhynchos</i>
American Dune Grass	<i>Leymus mollis</i>
American Marten	<i>Martes americana</i>
American White Pelican	<i>Pelecanus erythrorhynchos</i>
Arctic Grayling	<i>Thymallus arcticus</i>
Bald Eagle	<i>Haliaeetus leucocephalus</i>
Balsam Fir	<i>Abies balsamea</i>
Balsam Poplar	<i>Populus balsamifera</i>
Baltic Rush	<i>Juncus balticus</i>
Bank Swallow	<i>Riparia riparia</i>
Basswood	<i>Tilia americana</i>
Bay-breasted Warbler	<i>Dendroica castanea</i>
Beach Dune Tiger Beetle	<i>Cicindela hirticollis</i>
Beach Pea	<i>Lathyrus japonicus</i>
Beaver	<i>Castor canadensis</i>
Black Bear	<i>Ursus americanus</i>
Black Spruce	<i>Picea mariana</i>
Black Tern	<i>Chlidonias niger</i>
Black-and-white Warbler	<i>Mniotilta varia</i>
Black-capped Chickadee	<i>Parus atricapillus</i>
Blackfin Cisco	<i>Coregonus nigripinnis</i>
Blanding's Turtle	<i>Emydoidea blandingii</i>
Bloater	<i>Coregonus hoyi</i>
Bluejoint Grass	<i>Calamagrostis canadensis</i>
Blue-spotted Salamander	<i>Ambystoma laterale</i>
Bobcat	<i>Lynx rufus</i>
Bobolink	<i>Dolichonyx oryzivorus</i>
Brook Trout	<i>Salvelinus fontinalis</i>
Brown Trout	<i>Salmo trutta</i>
Burbot	<i>Lota lota</i>
Canada Warbler	<i>Wilsonia canadensis</i>
Caspian Tern	<i>Sterna caspia</i>
Central Mudminnow	<i>Umbra limi</i>
Cerulean Warbler	<i>Dendroica cerulea</i>
Chestnut-sided Warbler	<i>Dendroica pensylvanica</i>
Chinook Salmon	<i>Oncorhynchus tshawytscha</i>
Coho Salmon	<i>Oncorhynchus kisutch</i>
Common Bearberry	<i>Arctostaphylos uva-ursi</i>

Common Butterwort	<i>Pinguicula vulgaris</i>
Common Ground Juniper	<i>Juniperus communis</i>
Common Tern	<i>Sterna hirundo</i>
Common Yarrow	<i>Achillea millefolium</i>
Connecticut Warbler	<i>Oporornis agilis</i>
Coyote	<i>Canis latrans</i>
Creeping Juniper	<i>Juniperus horizontalis</i>
Dark-eyed Junco	<i>Junco hyemalis</i>
Deepwater Cisco	<i>Coregonus johanna</i>
Deepwater Sculpin	<i>Myoxocephalus thompsoni</i>
Devil's-club	<i>Oplopanax horridus</i>
Double-crested Cormorant	<i>Phalacrocorax auritus</i>
Dune Cutworm	<i>Euxoa aurulenta</i>
Eastern American Toad	<i>Bufo americanus americanus</i>
Eastern Cougar	<i>Felis concolor couguar</i>
Eastern Newt	<i>Notophthalmus viridescens viridescens</i>
Eastern Pipistrelle	<i>Pipistrellus subflavus</i>
Eastern Redback Salamander	<i>Plethodon cinereus</i>
Eastern Small-footed Bat	<i>Myotis leibii</i>
Eastern White Cedar	<i>Thuja occidentalis</i>
Eurasian Water Milfoil	<i>Myriophyllum spicatum</i>
European Hare	<i>Lepus europaeus</i>
European Starling	<i>Sturnus vulgaris</i>
False Northwestern Moonwort	<i>Botrychium pseudopinnatum</i>
Giant Reed	<i>Phragmites australis</i>
Ginseng	<i>Panax quinquefolius</i>
Glossy Buckthorn	<i>Rhamnus frangula</i>
Golden-crowned Kinglet	<i>Regulus satrapa</i>
Gray Partridge	<i>Perdix perdix</i>
Great Blue Heron	<i>Ardea herodias</i>
Great Gray Owl	<i>Strix nebulosa</i>
Green Ash	<i>Fraxinus pennsylvanica</i>
Gypsy Moth	<i>Lymantria dispar</i>
Hemlock	<i>Tsuga canadensis</i>
Hermit Thrush	<i>Catharus guttatus</i>
Herring Gull	<i>Larus argentatus</i>
Houghton's Goldenrod	<i>Solidago houghtonii</i>
House Mouse	<i>Mus musculus</i>
House Sparrow	<i>Passer domesticus</i>
Ives Lake Cisco	<i>Coregonus hubbsi</i>
Jack Pine	<i>Pinus banksiana</i>
Kiyi	<i>Coregonus kiyi</i>
Lake Chub	<i>Couesius plumbeus</i>
Lake Herring or Cisco	<i>Coregonus artedii</i>
Lake Huron Locust	<i>Trimerotropis huroniana</i>
Lake Huron Tansy	<i>Tanacetum huronense</i>
Lake Sturgeon	<i>Acipenser fulvescens</i>
Lake Whitefish	<i>Coregonus clupeaformis</i>



Leopard Frog	<i>Rana pipiens</i>
Little Bluestem	<i>Schizachyrium scoparium</i>
Lynx	<i>Lynx canadensis</i>
Marsh Spikerush	<i>Eleocharis smallii</i>
Merlin	<i>Falco columbarius</i>
Moose	<i>Alces alces</i>
Mountain Avens	<i>Dryas drummondii</i>
Nashville Warbler	<i>Vermivora ruficapilla</i>
Ninespine Stickleback	<i>Pungitius pungitius</i>
Nipigon Tullibee	<i>Coregonus nipigon</i>
Northern Brook Lamprey	<i>Ichthyomyzon fossor</i>
Northern Eyebright	<i>Euphrasia hudsoniana</i>
Northern Myotis	<i>Myotis septentrionalis</i>
Northern Pike	<i>Esox lucius</i>
Northern Saw-whet Owl	<i>Aegolius acadicus</i>
Northern Shrike	<i>Lanius excubitor</i>
Northern Spring Peeper	<i>Pseudacris crucifer crucifer</i>
Northern Waterthrush	<i>Seiurus noveboracensis</i>
Norway Rat	<i>Rattus norvegicus</i>
Norwegian Whitlowgrass	<i>Draba norvegica</i>
Osprey	<i>Pandion haliaetus</i>
Ovenbird	<i>Seiurus aurocapillus</i>
Paddlefish	<i>Polyodon spathula</i>
Pale Moonwort	<i>Botrychium pallidum</i>
Palm Warbler	<i>Dendroica palmarum</i>
Peregrine Falcon	<i>Falco peregrinus</i>
Pink Salmon	<i>Oncorhynchus gorbuscha</i>
Piping Plover	<i>Charadrius melodus</i>
Pitcher's Thistle	<i>Cirsium pitcheri</i>
Pointed Moonwort	<i>Botrychium acuminatum</i>
Porcupine	<i>Erethizon dorsatum</i>
Purple Loosestrife	<i>Lythrum salicaria</i>
Pygmy Whitefish	<i>Prosopium coulteri</i>
Queen of the Meadow	<i>Filipendula ulmaria</i>
Raccoon	<i>Procyon lotor</i>
Rainbow Smelt	<i>Osmerus mordax</i>
Rainbow Trout	<i>Oncorhynchus mykiss</i>
Red Fox	<i>Vulpes vulpes</i>
Red Osier Dogwood	<i>Cornus stolonifera</i>
Red Pine	<i>Pinus resinosa</i>
Red-headed Woodpecker	<i>Melanerpes erythrocephalus</i>
Red-shouldered Hawk	<i>Buteo lineatus</i>
Red-tailed Hawk	<i>Buteo jamaicensis</i>
Reed Canary Grass	<i>Phalaris arundinacea</i>
Ring-billed Gull	<i>Larus delawarensis</i>
River Otter	<i>Lontra canadensis</i>
Rock Cranberry	<i>Vaccinium vitis-idaea</i>
Rock Dove	<i>Columba livia</i>

Rock Vole	<i>Microtus chrotorrhinus</i>
Rocky Mountain Fescue	<i>Festuca saximontana</i>
Rose-breasted Grosbeak	<i>Pheucticus ludovicianus</i>
Round Goby	<i>Neogobius melanostomus</i>
Round Whitefish	<i>Prosopium cylindraceum</i>
Ruffe	<i>Gymnocephalus cernuus</i>
Rusty Crayfish	<i>Oronectes rusticus</i>
Sandcherry	<i>Prunus pumila</i>
Scarlet Tanager	<i>Piranga olivacea</i>
Sea Lamprey	<i>Petromyzon marinus</i>
Sharp-shinned Hawk	<i>Accipiter striatus</i>
Shortjaw Cisco	<i>Coregonus zenithicus</i>
Shortnose Cisco	<i>Coregonus reighardi</i>
Shrubby Cinquefoil	<i>Potentilla fruticosa</i>
Siskiwit Lake Cisco	<i>Coregonus bartlettii</i>
Slimy Sculpin	<i>Cottus cognatus</i>
Smallmouth Bass	<i>Micropterus dolomieu</i>
Snowshoe Hare	<i>Lepus americanus</i>
Snowy Owl	<i>Nyctea scandiaca</i>
Speckled Alder	<i>Alnus incana</i>
Splake	<i>Salvelinus fontinalis</i> X <i>S. namaycush</i>
Spruce Budworm	<i>Choristoneura fumiferana</i>
Sugar Maple	<i>Acer saccharum</i>
Swainson's Thrush	<i>Catharus ustulatus</i>
Tall Wormwood	<i>Artemisia campestris</i>
Tennessee Warbler	<i>Vermivora peregrina</i>
Thirteen-lined Ground Squirrel	<i>Spermophilus tridecemlineatus</i>
Timber Wolf	<i>Canis lupus</i>
Trembling Aspen	<i>Populus tremuloides</i>
Trout-perch	<i>Percopsis omiscomaycus</i>
Trumpeter Swan	<i>Cygnus buccinator</i>
Twig Rush	<i>Cladium mariscoides</i>
Valarian	<i>Valeriana officinalis</i>
Veery	<i>Catharus fuscescens</i>
Walleye	<i>Stizostedion vitreum</i>
Wapiti, Elk	<i>Cervus elaphus</i>
Whip-poor-will	<i>Caprimulgus vociferus</i>
White Bass	<i>Morone chrysops</i>
White Birch	<i>Betula papyrifera</i>
White Pine	<i>Pinus strobus</i>
White Spruce	<i>Picea glauca</i>
White-tailed Deer	<i>Odocoileus virginianus</i>
Wild Chives	<i>Allium schoenoprasum</i>
Wild Rice	<i>Zizania palustris</i>
Wolverine	<i>Gulo gulo</i>
Wood Frog	<i>Rana sylvatica</i>
Wood Thrush	<i>Catharus mustelinus</i>
Wood Turtle	<i>Clemmys insculpta</i>

Woodland Caribou

Yellow Birch

Yellow Rail

Yellow-bellied Flycatcher

Yellow-billed Cuckoo

Yellow-headed Blackbird

Yellow-rumped Warbler

Zebra Mussel

*Rangifer tarandus*

*Betula alleghaniensis*

*Coturnicops noveboracensis*

*Empidonax flavivent*

*Coccyzus americanus*

*Xanthocephalus xanthocephalus*

*Dendroica coronata*

*Dreissena polymorpha*

**ADDENDUM 6-H. LAKE SUPERIOR HABITAT MAP (PLACEHOLDER)**