LAKE WATER QUALITY REPORT CARD

	LAKE NAME	BETHEL	FAIRBANK	HANNAH	LITTLE PANACHE	LONG	McCHARLES	McFARLANE	MIDDLE	MINNOW	NEPAHWIN
WATER	**Phosphorus** 10 year average. Increase in phosphorus will increase algae blooms. Algae detracts from recreational enjoyment and impacts drinking water sources. **Value µg/L (micrograms per litre)**	64.8µg/L	6.1µg/L	6.8µg/L	14.1µg/L	8.1µg/L	23.7µg/L	12.4µg/L	6.7µg/L	39.4µg/L	11.4µg/L
WATER	**Clarity** Secchi disk depth is a measure of water clarity. Higher Secchi readings indicate clearer water while lower readings indicate turbid or coloured water. Clarity is affected by algae, soil particles and other suspended materials. **Value (meters)**	1.7m	8.1m	4.5m	3.5m	5.9m	4.2m	3.1m	3.8m	0.9m	5.0m
LAND	**Public Access** Public parks, beaches and boat launches are important to the quality of life of the community and for the enjoyment of our lakes.	**No public access**	**Parks & Beaches:** Fairbank Provincial Park **Boat Launches:** Fairbank Provincial Park and Fairbank Lake Resort	**No public access**	**Parks & Beaches:** No public beach **Boat Launches:** Public boat launch	**Parks & Beaches:** Unsupervised public beach by Kantola Road. **Boat Launches:** Public boat launch at Kantola Road and off Moxam Landing Road	**Parks and Beaches:** Centennial Park **Boat Launch:** Off Graham Road on the Vermilion River next to Centennial Park	**Parks & Beaches:** No public beach **Boat Launches:** Public boat launch accessed from Southlane Road	**No public access**	**Parks & Beaches:** Minnow Lake Waterfront Park **Boat Launches:** No public boat launch	**Parks & Beaches:** Nepahwin Park Beach, Laurentian University Sandy Beach and Stewart Park Beach **Boat Launches:** No public boat launch
LAND	**Natural Shoreline Development** Shoreline vegetation filters runoff, reduces erosion, absorbs nutrients, provides flood control, shade and habitat. It also has aesthetic appeal and protects property values. **Percentage of naturally vegetated shorelines**	95%	95%	95%	95%	75%	95%	75%	80%	55%	75%
FISH	**Fish Species** Definition: The percentage of fish species is the expected number of fish divided by the actual number of fish species caught. **Value: Percentage of fish species**	Brown bullhead, golden shiner, Iowa darter, Yellow Perch, Northern Pike and White sucker	Bluntnose minnow, Cisco (lake herring), Iowa darter, Lake trout, Lake whitefish, Logperch, Ninespine stickleback, Northern pike, Pumpkinseed, Rock bass, Smallmouth bass, Spoonhead sculpin, Spottail shiner, Walleye, Whitesucker and Yellow perch	Brown bullhead, Iowa darter, Northern pike, Pumpkinseed, Smallmouth bass and Yellow perch	Bluntnose minnow, Brown bullhead, Cisco (lake herring), Northern pike, Pumpkinseed, Rainbow smelt, Rock bass, Slimy sculpin, Smallmouth bass, Walleye, White sucker and Yellow perch	Brown bullhead, Cisco (lake herring), Common shiner, Creek chub, Golden shiner, Iowa darter, Largemouth bass, Logperch, Northern pike, Pumpkinseed, Smallmouth bass, Spottail shiner, Walleye, White sucker and Yellow perch	No data available	Brown bullhead, Cisco (lake herring), Common shiner, Emerald shiner, Largemouth bass, Northern pike, Pumpkinseed, Smallmouth bass, Spottail shiner, Walleye, Whitesucker and Yellow perch	Brown bullhead, Iowa darter, Northern pike, Pumpkinseed, Smallmouth bass, Walleye and Yellow perch	Brown bullhead, Iowa darter, Northern pike, Pumpkinseed, Smallmouth bass, Walleye and Yellow perch	Blacknose shiner, Brown bullhead, Golden shiner, Northern pike, Pumpkinseed, Rainbow smelt, Rock bass, Smallmouth bass, Splake,White sucker and Yellow perch
FISH		88%	80%	79%	100%	100%	?	100%	91%	85%	100%

Canada

Cooperative Freshwater Ecology Unit
Unité Conjointe D'écologie D'eau Douce

City of Lakes Ville de lacs

Greater Sudbury

Note: Lakes not serviced by municipal water or sewer
Little Panache Lake, Long Lake, McFarlane Lakeand Middle Lake

Caution: The Guide to Eating Ontario Sport Fish has strict consumption advisories for sport fish caught in Lake Nepahwin. Fish are known to have high levels of PCBs (Polychlorinated Biphenyls), a toxic substance.

LAKE WATER QUALITY REPORT CARD

LAKE NAME	PANACHE	RAMSEY	RICHARD	ROBINSON	SILVER	SIMON	ST. CHARLES	VERMILION	WHITEWATER	WHITSON
WATER **Phosphorus** 10 year average. Increase in phosphorus will increase algae blooms. Algae detracts from recreational enjoyment and impacts drinking water sources. **Value µg/L (micrograms per litre)**	4.7µg/L	12.9µg/L	9.3µg/L	21.3µg/L	6.5µg/L	23.9µg/L	13.2µg/L	12.0µg/L	18.9µg/L	10.8µg/L
Clarity Secchi disk depth is a measure of water clarity. Higher Secchi readings indicate clearer water while lower readings indicate turbid or coloured water. Clarity is affected by algae, soil particles and other suspended materials. **Value (meters)**	5.5m	4.8m	3.0m	1.7m	3.5m	5.5m	2.1m	2.2m	2.7m	5.5m
LAND **Public Access** Public parks, beaches and boat launches are important to the quality of life of the community and for the enjoyment of our lakes.	**Parks & Beaches:** No public beaches **Boat Launches:** Public boat launch and marina accessed by Panache Lake Road	**Parks & Beaches:** Bell Park Main Beach and Moonlight Beach. Amphitheatre Beach, New Beach, Bell Grove, Canoe Club Beach **Boat Launches:** Public Boat Launch on Ramsey Lake Road	**Parks & Beaches:** Recreational vehicle park and campground located on south shore accessed via Hwy. 69 south **Boat Launches:** Public boat launch located at the end of Whipporwill Avenue	**Parks & Beaches:** Robinson Playground located on Cranbrook Crescent **Boat Launches:** No public boat launch	**Parks & Beaches:** Silver Lake Beach accessed via Long Lake Road **Boat Launches:** Silver Lake Beach	**Parks and Beaches:** Simon Lake Park on M.R. 55 **Boat Launches:** Public boat launch accessed by Simon Lake Drive	**No public access**	**Parks and Beaches:** No public parks or beaches **Boat Launches:** on Vermilion Lake, off Gordon Lake Road and off Graham Road on the Vermilion River next to Centennial Park	**Parks and Beaches:** Centennial/ Whitewater Beach, located in Whitewater Park off Parkside Drive in Azilda **Boat Launches:** Public boat launch off Highway 144, and in Whitewater Park.	**Parks and Beaches:** Kalmo/ Sandy Beach accessible by Sandy Beach road off Main Street in Val Caron **Boat Launches:** Public boat launch accessible off of Lakeshore Drive.
Natural Shoreline Development Shoreline vegetation filters runoff, reduces erosion, absorbs nutrients, provides flood control, shade and habitat. It also has aesthetic appeal and protects property values. **Percentage of naturally vegetated shorelines**	95%	80%	65%	85%	95%	70%	70%	75%	85%	95%
FISH **Fish Species** Definition: The percentage of fish species is the expected number of fish divided by the actual number of fish species caught. **Value: Percentage of fish species**	Information not available at this time	Brown bullhead, Northern pike, Pumpkinseed, Rock bass, Smallmouth bass, Walleye, White sucker and Yellow perch	Brown bullhead, Largemouth bass, Northern pike, Pumpkinseed, Walleye, White sucker and Yellow perch	Brown bullhead, Northern pike, Pumpkinseed, Rock bass, Smallmouth bass, Walleye, White sucker and Yellow perch	Brown bullhead, Creek chub, Fathead minnow, Finescale dace, Lake chub, Nothern pike, Northern redbelly dace and Pearl dace	No data available	Bluegill, Brown bullhead, Northern pike, Pumpkinseed, Walleye and Yellow perch	Blacknose Shiner, Brown Bullhead, Cisco (Lake Herring), Common Shiner, Logperch, Northern Pike, Pumpkinseed, Rock Bass, Smallmouth Bass, Spottail Shiner, Trout Perch, Walleye, White Sucker, Yellow Perch	Brown Bullhead, Golden Shiner, Lake Herring, Northern Pike, Pumpkinseed, Smallmouth Bass, Walleye, White Sucker and Yellow Perch	Brown Bullhead, Central Mudminnow, Iowa Darter, Northern Pike, Pumpkinseed, Smallmouth Bass, Walleye, White Sucker and Yellow Perch
	?	57%	79%	100%	98%	?	71%	94%	55%	69%

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