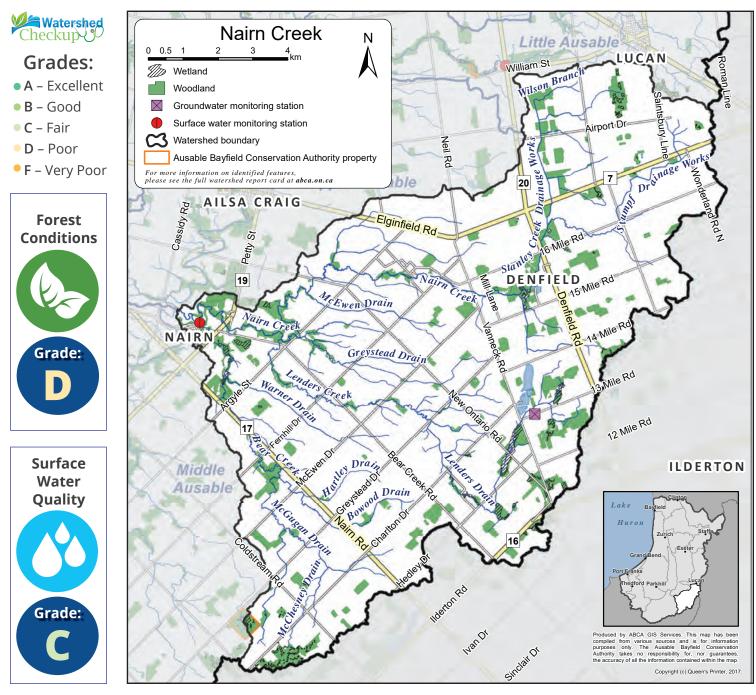
Nairn Creek Watershed Report Card 2018



Report cards give residents information to protect and enhance watershed resources.

Report card standards were developed for consistent reporting across Ontario.

Top action needed to enhance this watershed:

• Plant windbreaks and connect woodlots on less agriculturally productive land. *Visit back page for more actions.*



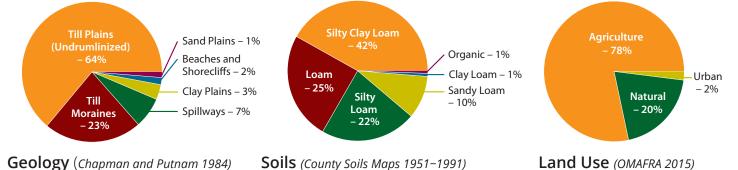
Watershed Features



Area: 139 km²

Municipalities: Lucan Biddulph, Middlesex Centre, North Middlesex

Geology, soil type, and land use help explain surface water and groundwater quality and forest conditions.*



Geology (Chapman and Putnam 1984)

Fishable

Fish:

- There are migratory Rainbow Trout in the main channel.
 - There are coldwater tributaries.
- Species Five birds; one reptile; three mussels; and three at Risk: plants.*

Swimmable at Local Lake Huron Beaches



- To reduce the risk of illness, refrain from swimming for 48 hours after heavy rainfall, especially when you can't see your feet in waist-deep water.
- Water quality at public beaches is monitored from June to Labour Day.
- Find results from your local public health unit and theswimguide.org •

Drinkable

Municipal Drinking Water Sources

- Lake Huron (surface water) is the source of raw water for municipal drinking water for many local towns.
- Groundwater from wells is the municipal drinking water • source in Brucefield, Clinton, Seaforth, Zurich, and Varna.
- Learn about your municipal well or intake at this link: • sourcewaterinfo.on.ca

Private Wells

- Test your well water in spring and autumn.
- Visit **ogwa.ca/Well-Wise-Testing** for well protection tips.

Groundwater Conditions

Did you know?

The endangered

Kidneyshell Mussel

filters its food (bacteria

and algae) from the water. Protect these important water purifiers by

protecting wetlands, planting cover

crops and streamside buffers.

- Concentrations of chloride are better than the drinking water guideline but nitrate concentrations are not as good and approach the standard at the shallow provincial monitoring well. (Monitoring well location is on map).
- Your well water quality may differ from that the water quality of provincial monitoring wells.



* Go to abca.ca for the complete Watershed Report Card to learn more.

Nairn Creek Watershed

Watershed Grades



Forest Conditions



Grade:

Indicator	Description	Result		2017 Grade	
		2012	2017	Nairn Creek	Entire ABCA
Forest cover	 Forest cover is a percentage of a watershed that is forested. An <i>A</i> grade is forest covering more than 35% of a watershed. 	9.6%	9.7%	D	D (14.2%)
Forest interior	 Forest interior is the percentage of a watershed with forest cover that is at least 100 metres from the forest's edge. Some birds need this area to nest and breed. An <i>A</i> grade is forest interior covering more than 11.5%. 	1.0%	0.9%	F	D (3.3%)
Streamside cover	 Streamside cover is the percentage of the 30-metre area on both sides of open streams that is forested. An <i>A</i> grade is forest covering more than 57.5% of this streamside area. 	27.6%	28.8%	С	C (32.6%)

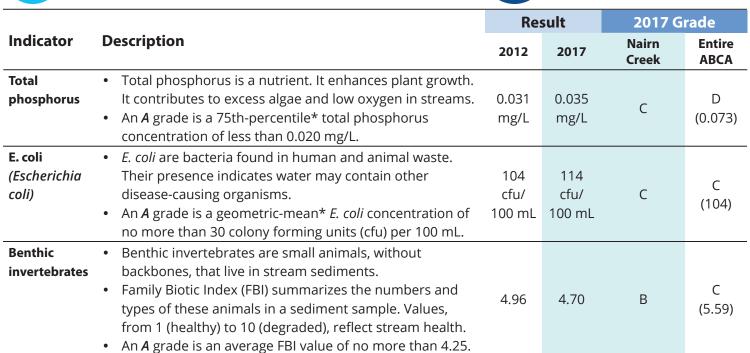


Overwinter Vegetative Cover on Agricultural Lands

- Agriculture comprises 78 per cent of the land use in this watershed.
- A minimum of 30 per cent of overwinter vegetative cover on agricultural lands might be expected if fields were in a corn-soybean-wheat rotation.
- Overwinter vegetative cover on agricultural lands, in this watershed, ranged from 8 to 18 per cent in recent aerial photography.*



Surface Water Quality



* The complete *Ausable Bayfield Watershed Report Card* at **abca.ca** has information on 2007 grades, definitions (such as 75th percentile and geometric mean), methods, and results.

Next Steps

How can you help?

You can:

- Plant streamside vegetation.
- Protect wetlands and investigate the purchase of key wetlands that preserve coldwater flow.

Your community can:

Local agencies can:

• Evaluate areas of significance to enhance coldwater fish habitat.

Take action!

We can help you to develop an individual action plan for your property. Interested in monitoring your watershed? Call us to find out how.



Thumbs up!

With funding from Environment and Climate Change Canada, Ducks Unlimited, and the Ontario Ministry of the Environment and Climate Change, Ruth and Greg Strapp constructed a wetland and planted two acres of Tallgrass Prairie.

Grants

Funding may be available to help you plant trees, control erosion, and improve water quality. Call us to find out more.

Links to the Great Lakes

No matter where you live in the watershed, you are linked to the Great Lakes.

> We rely on the lake as a source of drinking water, economic activity, and recreation.

> > Your personal action can make a difference for Lake Huron.

Visit lakehuroncommunityaction.ca

Ausable Bayfield Conservation Authority (ABCA), 71108 Morrison Line, RR 3 Exeter, ON • N0M 1S5 • Phone: 519-235-2610 • Toll-free: 1-888-286-2610 Facsimile: 519-235-1963 • E-mail: info@abca.ca • Website: abca.ca

Visit **abca.ca** for the complete *Watershed Report Card* for all Ausable Bayfield watersheds.

Nairn Creek Watershed

AUSABLE BAYFIELD

CONSERVATION

ING AWARENESS | TAKING ACTION