



*Junction Creek
Stewardship Committee*

*Restauration du
ruisseau Junction*

"Creating hope through
environmental restoration"

1999: Formation of the Junction Creek Stewardship Committee



- Community Based non-profit group
- Open Membership
- Incorporated in 2008

Restore the Creek Ecosystem



2000 - 2008 Habitat improvement

Total:

- 21,421 trees & shrubs planted
- 955 volunteers



Tree planting success

2003



2008



Creosote cleanup



- \$3 million dollar effort
- City of Greater Sudbury, Domtar Inc and CPR

Coordinate Citizen Participation



Cleanups 2000- 2008

- Adopt a Creek Program – 15 groups
- Great Canadian Shoreline Cleanup



- 1,745 volunteers
- Over 55,000 kg



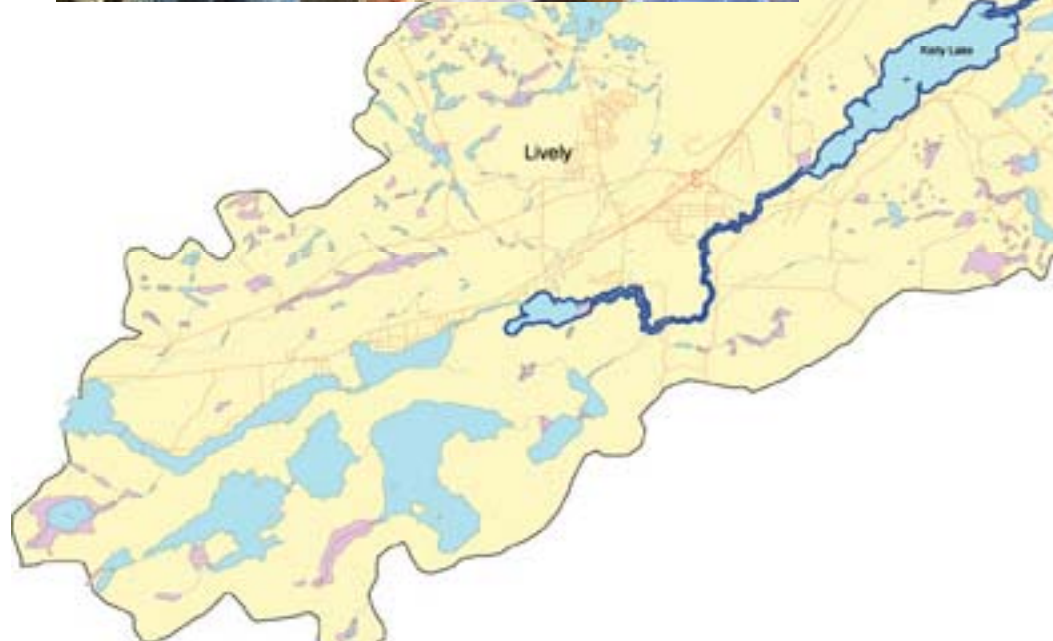
2000 – 2008: Annual Trout Release



- 10,600 trout released since 2000



Raise Public Awareness



Education: Bug Search Program 2001-2008



- Regular program: grades 2-10
- 3,942 students total
- Over 1000 students in 2008!
(french and english)



tolerant



somewhat
sensitive



sensitive



2006 – 2008 Creek friendly car wash



- Fundraising groups



Awareness

Junction Creek Restoration

Fall 2008

NEWSLETTER

Published quarterly by the Junction Creek Stewardship Committee, www.junctioncreek.com



Volunteers struggle to move a box spring found in Junction Creek during the annual Fall Cleanup event on September 20th.

Volunteers clean up mall section of creek

On Saturday, September 20th, 62 volunteers pitched in to clean up the section of Junction Creek next to the New Sudbury Centre. Together, they pulled out more than 700 kg of garbage.

It was the first time in many years that this section of the creek was cleaned up and many volunteers were surprised at what they found.

In addition to the box spring pictured above, members of the group found shopping carts, tires, construction materials, plus dozens of plastic bags, bottles, pop cans and Tim Horton's cups. Some of the participants

included local Scouts, Bears, Cubs and Pathfinders.

Beginning next year, the 15th Sudbury Scouts, Bears and Cubs have agreed to adopt this section of the creek, meaning that the group will do a cleanup there every year.

The cleanup was part of the national event known as "To Great Canadian Shoreline Cleanup."

More than 50,000 volunteers across the country collected garbage from shorelines of oceans, lakes, rivers and creeks during the fourth week of September.

Upcoming Events: SUDBURY'S 2ND ANNUAL WATER GATHERING

Wednesday, November 19th
6:30 - 9:00 PM
Inco Cavern, Science North

*Guest Speaker: Keith West, Chief Drinking Water Inspector for Ontario
*Presentations by local groups, including the Junction Creek Stewardship Committee
*Door Prizes, refreshments
*Everyone is welcome and it's free!

We need more adopters!!
There are several sections of Junction Creek in desperate need of adoption.

To adopt, you need:

*a group of at least 8 people
*a leader willing to commit to getting the group together once a year to clean up the adopted section

We will:

*provide waders, gloves, garbage bags, free pizza and drinks
*arrange for the City to pick up garbage

Creek Friendly Homes

The amount of pollution that you stop may seem small...

but together it all adds up to clearer water for everyone to enjoy.



12 TIPS FOR A HEALTHY CREEK

- Plant a buffer of native vegetation close to the shore
- Use phosphate-free soaps, detergents and cleaners
- Leave fallen trees and branches in the shallows
- Use mulch or gravel instead of pavement
- Build at least 12 meters away from the shore
- Use salt alternatives such as calcium magnesium acetate (CMA) to remove ice
- Clean up pet waste
- Don't use fertilizers, pesticides, or herbicides near water
- Avoid spilling fuels, antifreeze, and other chemicals
- Use commercial car washes to avoid contaminating storm drains
- Keep vehicles tuned up and repair leaks
- Share your waterfront wisdom with neighbours



Thousands more trees help creek

Watershed will be lined with trees, easing erosion concerns

By LARSEN MCKELW
Staff Writer, Sudbury Star

The reforestation of Sudbury's watershed will be a long-term project, but the Junction Creek watershed, thanks to employees of the Ontario Ministry of the Environment and Parks, is getting a head start.

"Over time I drive through the watershed and I look up on the hillsides and I see all the 'ghost' pine trees. I realize one of 10 years ago wasn't planted there. That's why we have today a 'ghost' pine forest," said ministry planner Pat Lundy.

The 30-year-old watershed is the only one in the province that has been designated as a "watershed" by the Ontario Ministry of the Environment and Parks.

Lundy says the watershed is the only one in the province that has been designated as a "watershed" by the Ontario Ministry of the Environment and Parks.

The 10,000 trees will mark the 10th anniversary of the watershed's reforestation project, which has been ongoing since 1998.

"Reforestation within the watershed helps to improve water quality by improving water quality within the watershed," Lundy says.

Reforestation and the watershed's 10,000 trees will



Steve Meisel of the Ontario Ministry of Environment is looking forward to seeing the results of his efforts 10 years from now when this area will be full of large oaks and hemlocks. The planted tree seedlings in the Junction Creek watershed behind the photos of this opening on Lundy's Island on Thursday.

be planted by a number of community groups and individuals over the next year in various locations along Junction Creek.

Junction Creek Stewardship Committee is also planning to plant some large trees and shrubs along the banks of Junction Creek. The large trees provide shade and cool the water, creating a more hospitable environment for fish.

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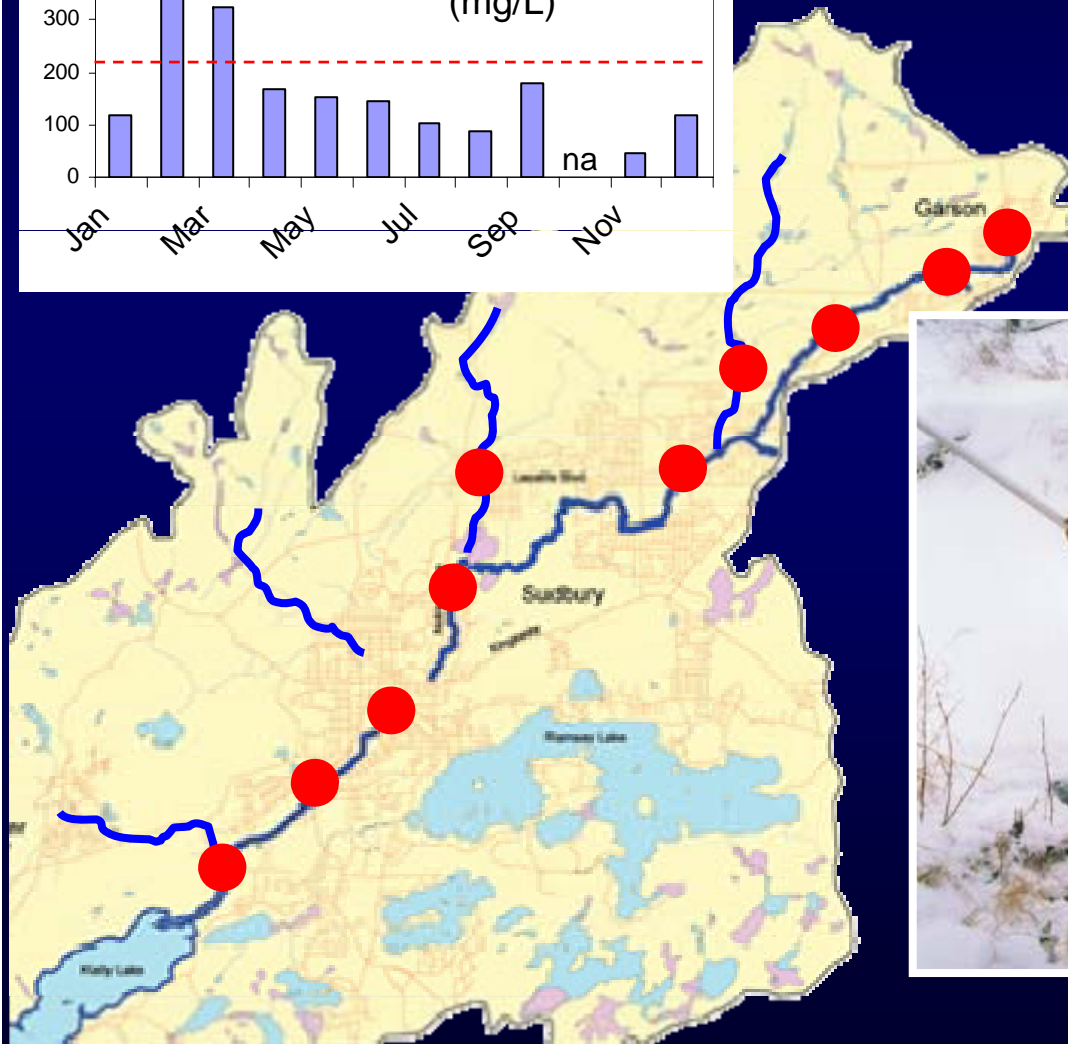
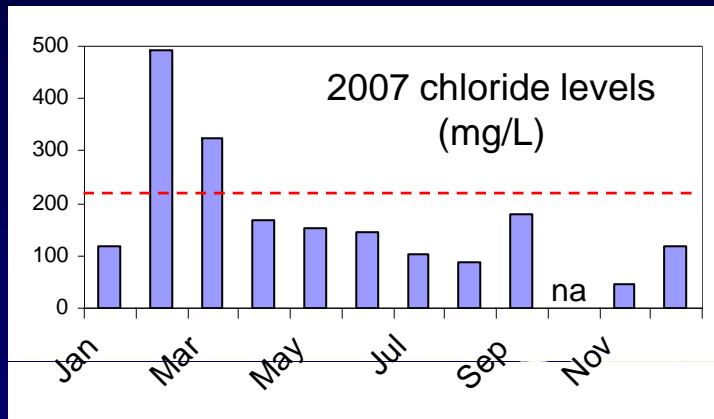
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Conduct Research



Water quality

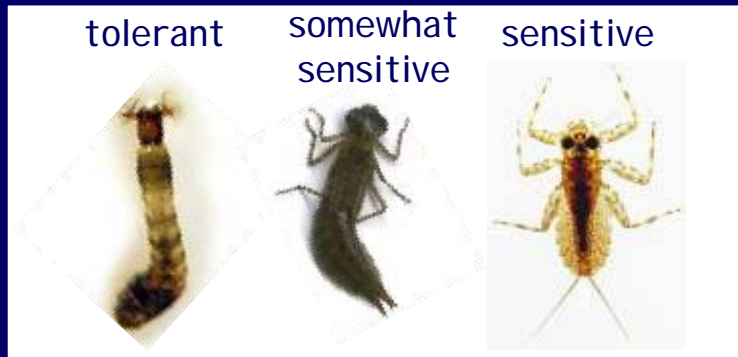


- Partnership: JCSC, Vale Inco, and the University
- 10 sites
- Monthly sampling
- Monitor trends



- Temperature
- pH
- Total metals
- Salts

Benthic biomonitoring



- First year: 2008
- 15 sites
- Annual sampling
- Cooperative Freshwater Ecology Unit



- Water flow
- Habitat Characterizations
- Temperature
- pH
- Total metals
- Salts

Research

Sedimentation and Salt Inputs

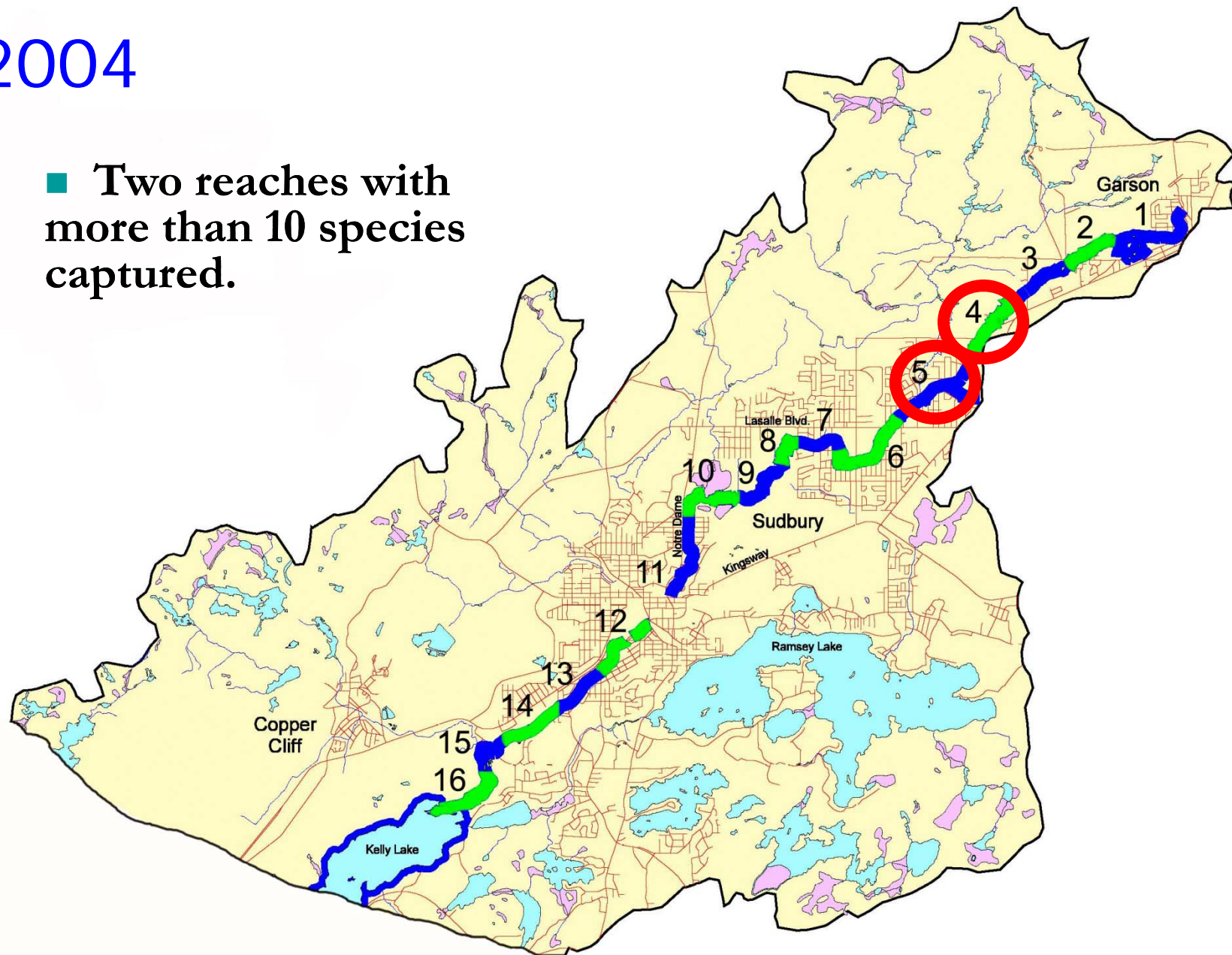
- M.Sc. Student from France
- Complete in summer 2009



After 10 years, has Junction Creek
shown any sign of improvement?

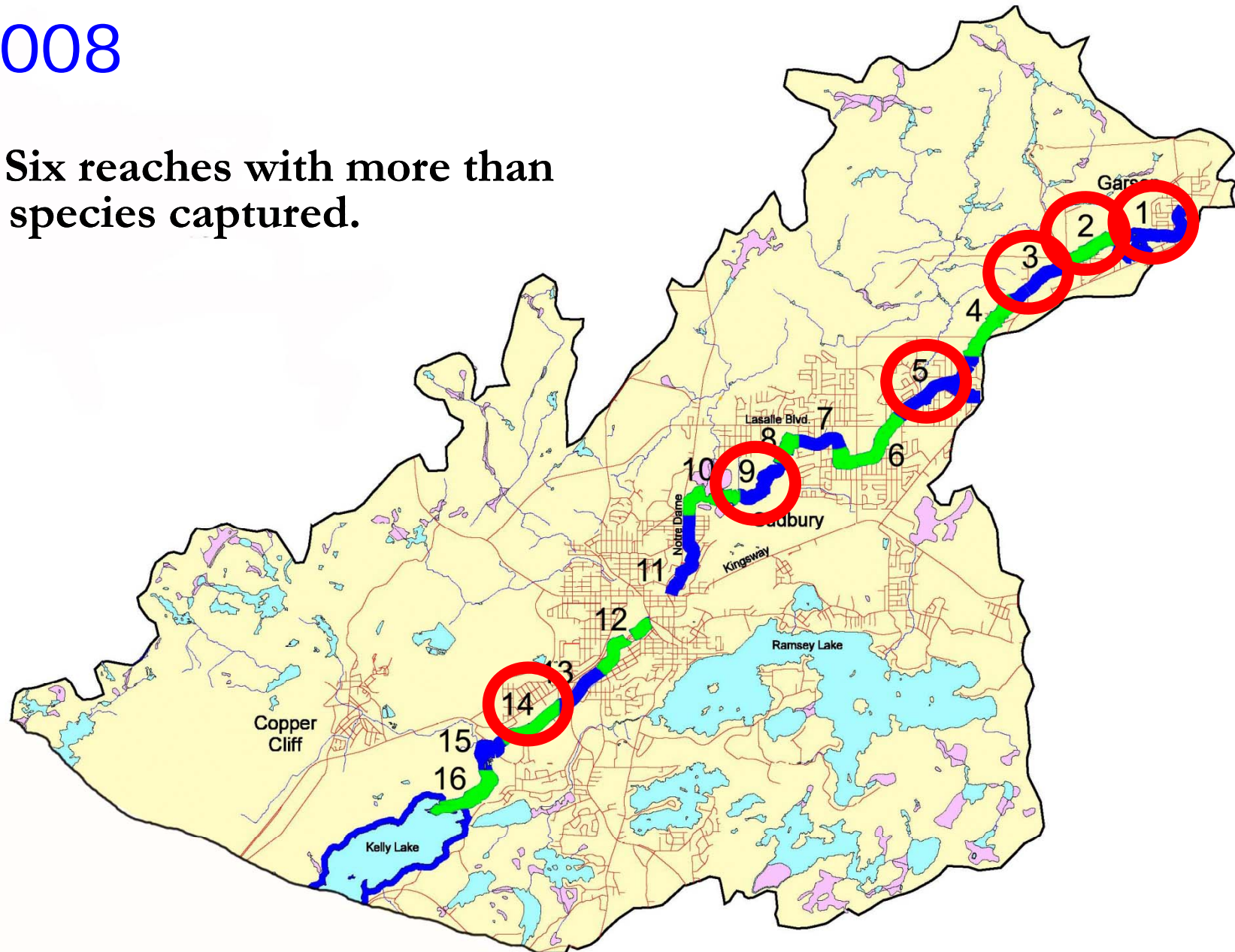
2004

- Two reaches with more than 10 species captured.

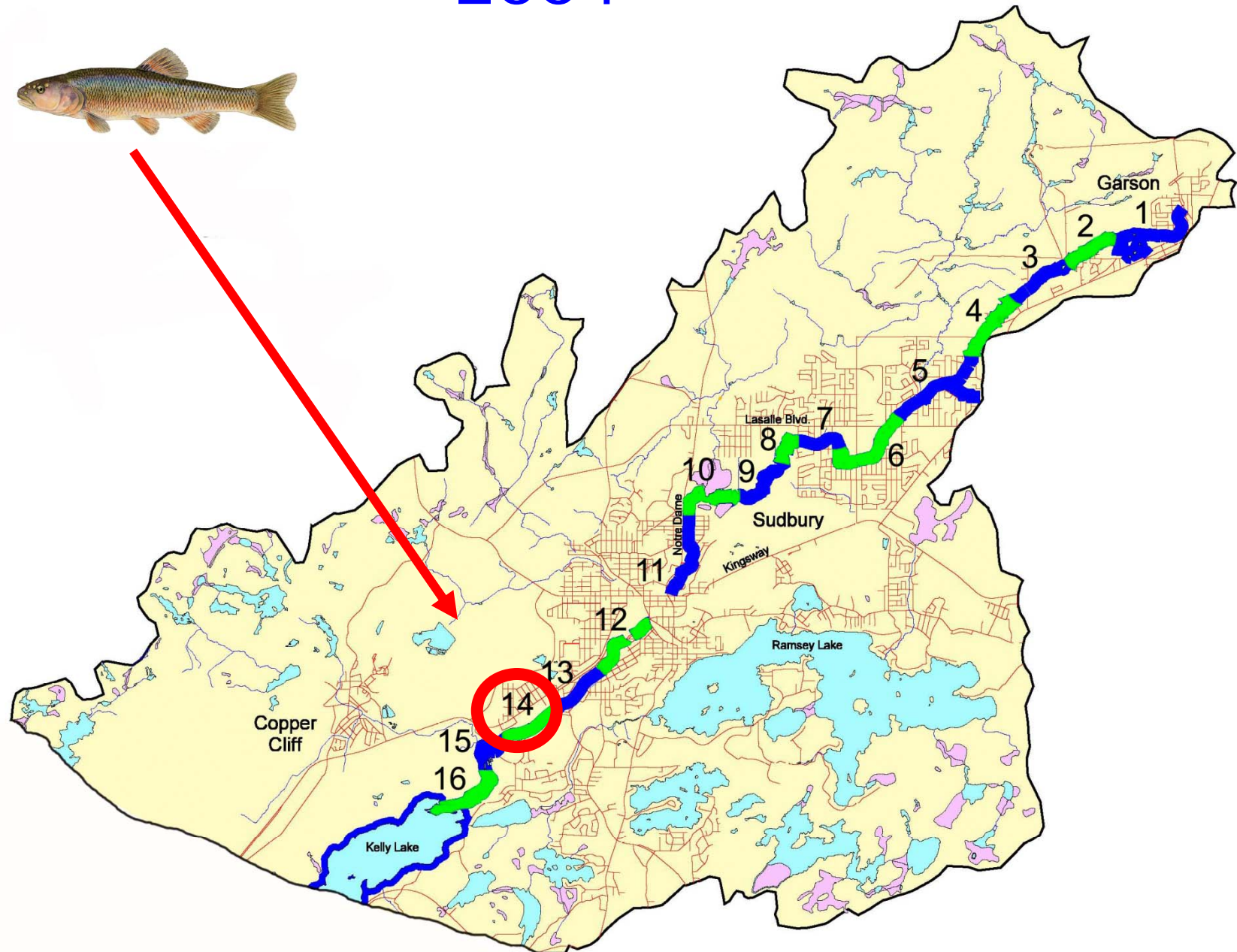


2008

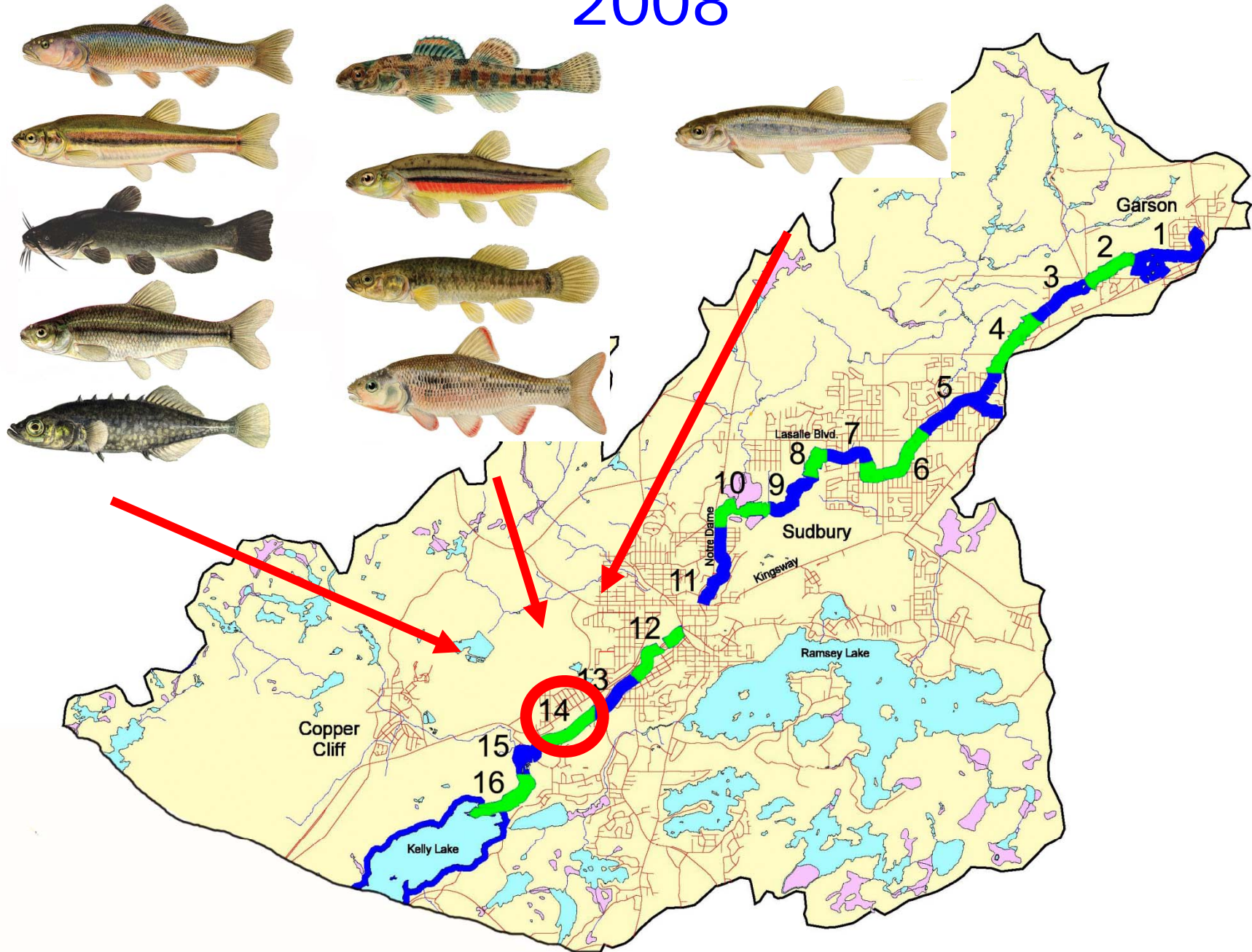
■ Six reaches with more than 10 species captured.



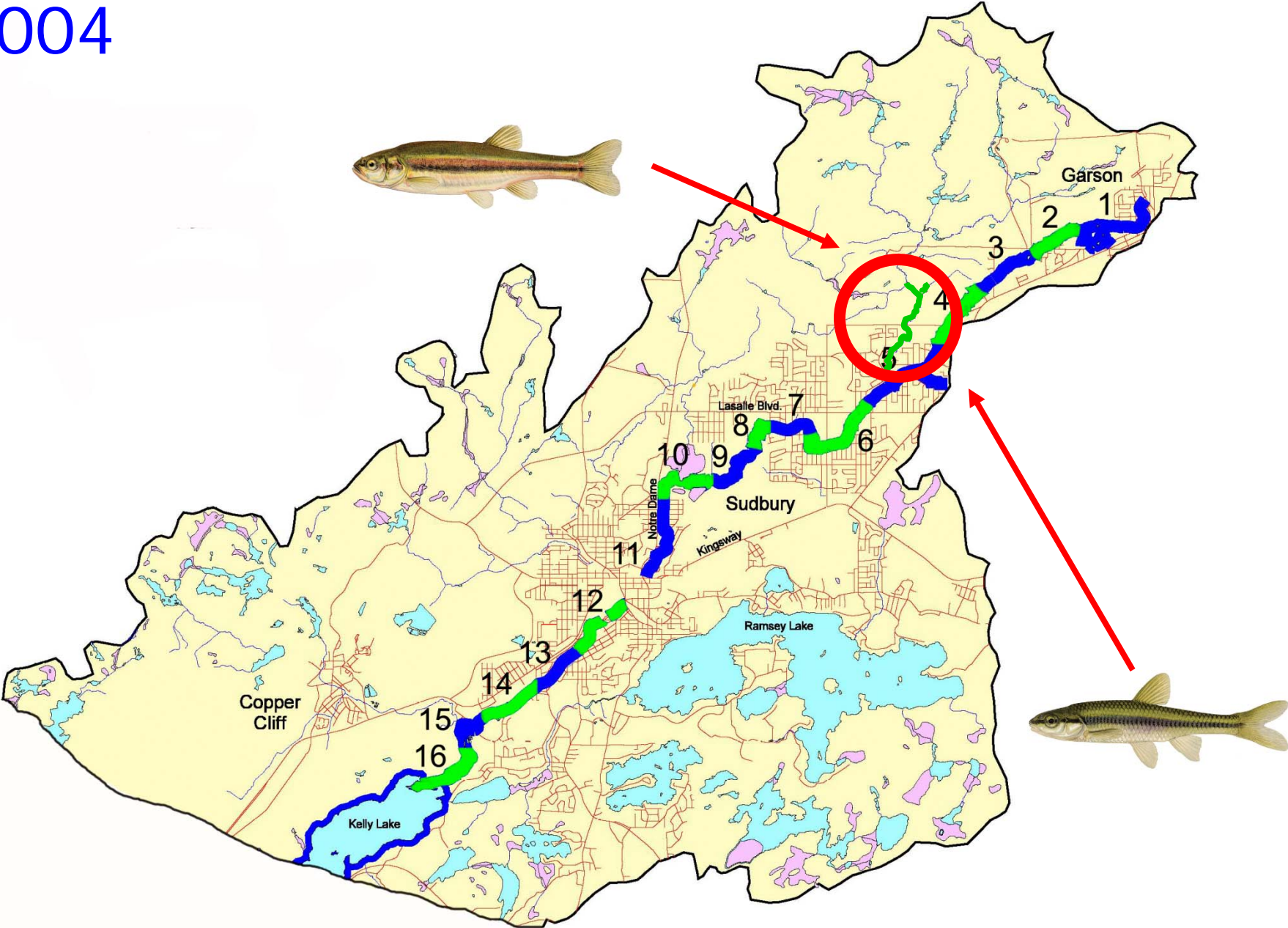
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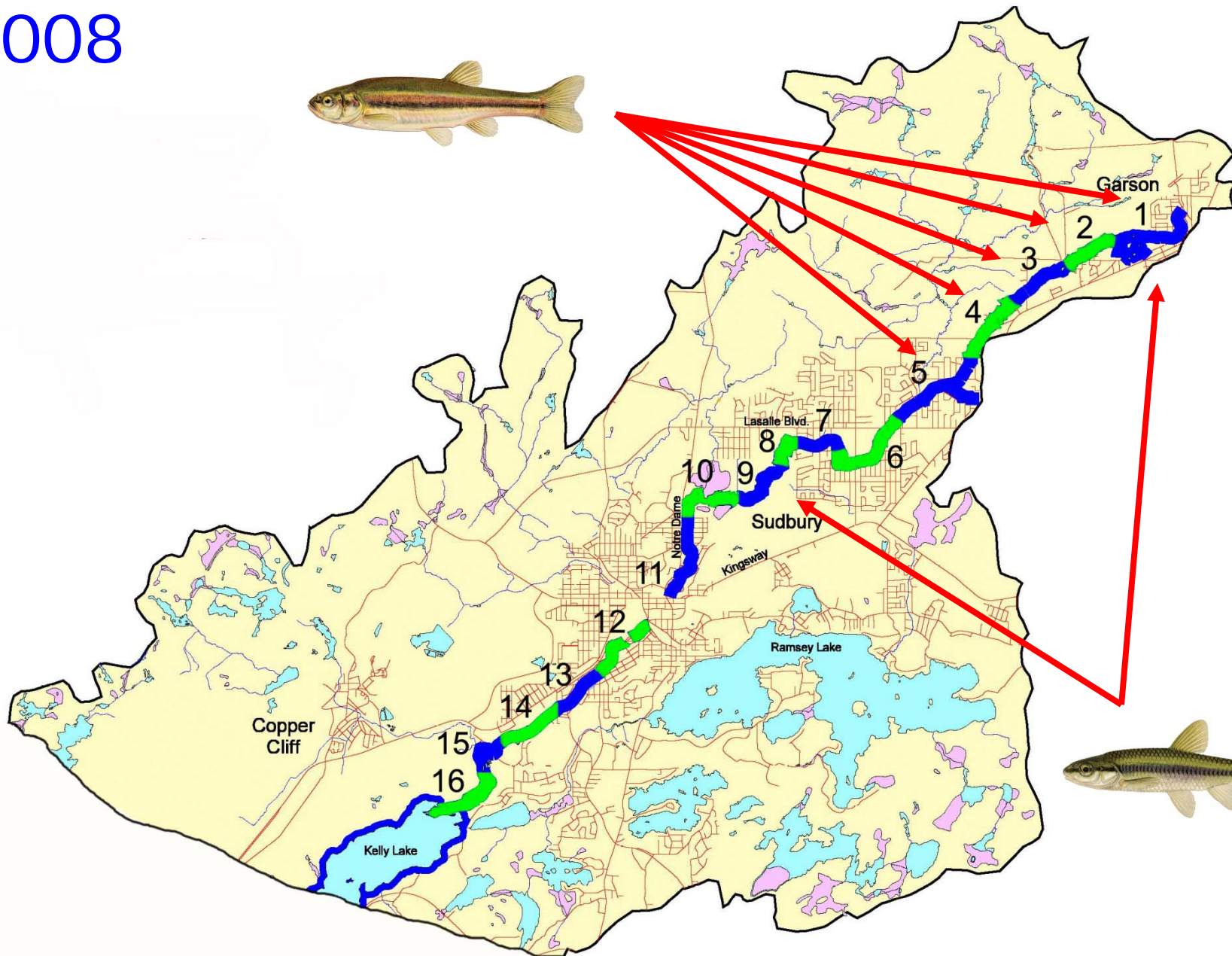
2008



2004



2008



Recognition



- 2009 Community Builders Award: Environment
- 2009 Nickel District Conservation Authority –Conservation Award
- 2008 JR Dymond Public Service Award (Ontario Nature)
- 2007 Canadian Environment Awards
- 2004 Urban Stewardship Awards of Excellence
- 2004 SOLEC Steering Committee

Goals for the Future

- Decrease average water temperature by planting trees
- Reduce sedimentation
- Reach a greater audience
- Maintain research program
- Work with Rainbow Routes and the City to finish the 20 Year plan for the Junction Creek Park



Film Project

- To be released in the fall 2009
- Goal: educate & motivate
- *Provide free copies to all Sudbury schools and Libraries



Funding 2006 - 2008

Vale Inco		City of Greater Sudbury		Full Time Coordinator's Position (over 3 years)
\$60,000	+	\$60,000	=	\$120,000



Other Funds secured through
the Coordinator's Position:

\$322,028

\$442,028

Total funds raised;
1999 through 2009

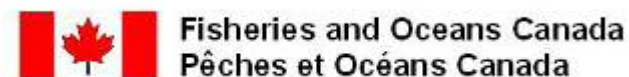
\$960,000

Creating Hope Through Environmental Restoration





2008 Funders



Environment Canada

Environnement Canada



F.K. Morrow Foundation



Service Canada

