



When Do We Put the Trout Back In?

Jennifer Falck, Oneida Nation
EHS Division

June 9, 2009

Special Thanks:

Jim Snitgen, Water Resources Supervisor

Stacy Gilmore, Water Resources
Specialist

Tony Kuchma, Wetland Program
Coordinator



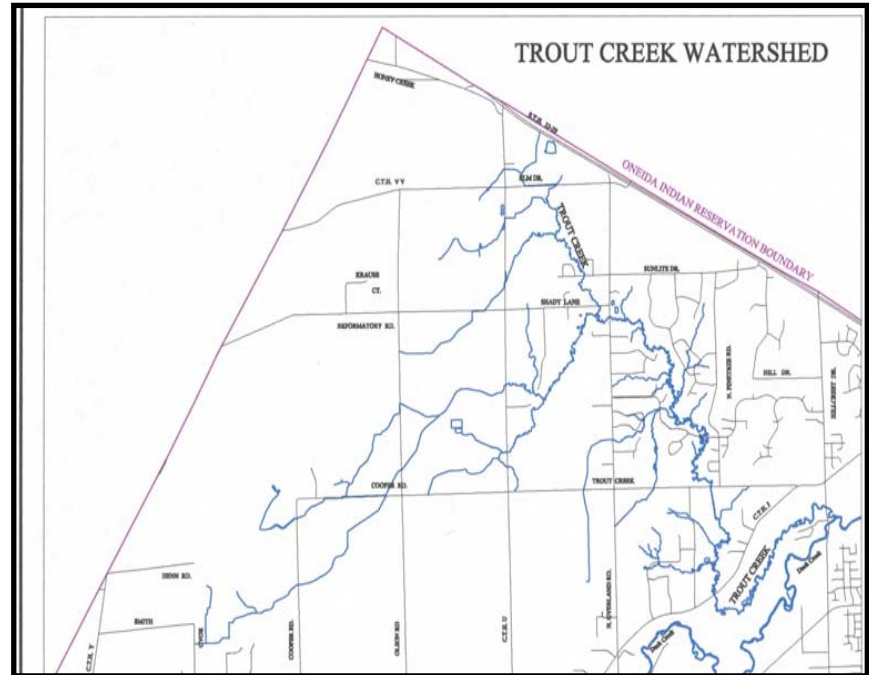
Environmental, Health & Safety Division

P.O. Box 365 || Oneida, WI 54155 || 920.496.5330 || www.oneidanation.org/environment/

Latihwyatsya?nikó-lale?

They protect the earth

The Oneida Reservation & Trout Creek Watershed



Goals of Trout Creek Watershed Restoration

1. Enhance stream habitat
2. Improve water quality
3. Gain broader public support
4. Reintroduce Brook Trout



Original Sample Site
November 23, 1999

Goal 1: Enhance stream habitat



What was done...

17 restoration or containment projects
completed



Goal 1: Enhance stream habitat

Manure Containment Before & After Control Study

Water Quality Indicator Species	# before system 1999	# after system 2004
Caddisfly (<i>Trichoptera</i>)	0	132
Stonefly (<i>Plecoptera</i>)		
Mayfly (<i>Ephemeroptera</i>)		



2002 HBI Score=

Fairly poor- significant organic pollution

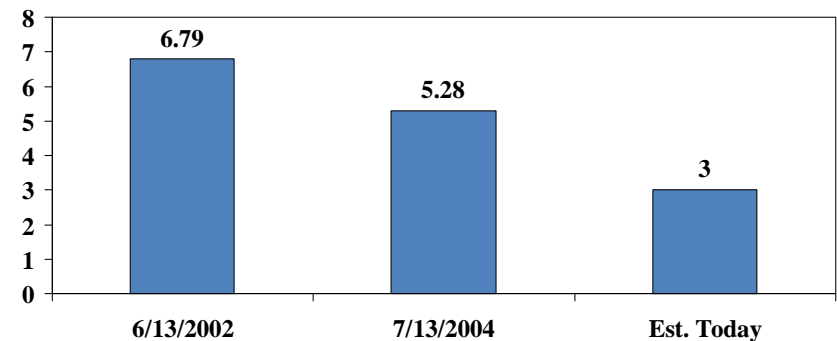
2004 HBI Score=

Good- some organic pollution

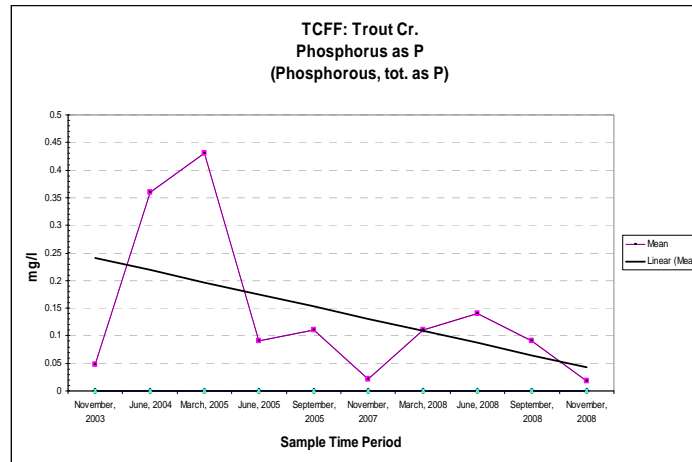
Est. Today =

Excellent- no apparent organic pollution

HBI Scores Since 2002

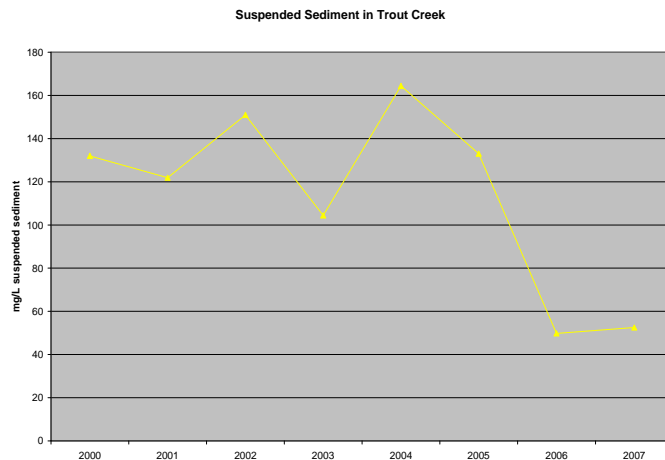


Goal 2: Improve Water Quality



What was done...

Routine monitoring. As projects were completed water quality improved

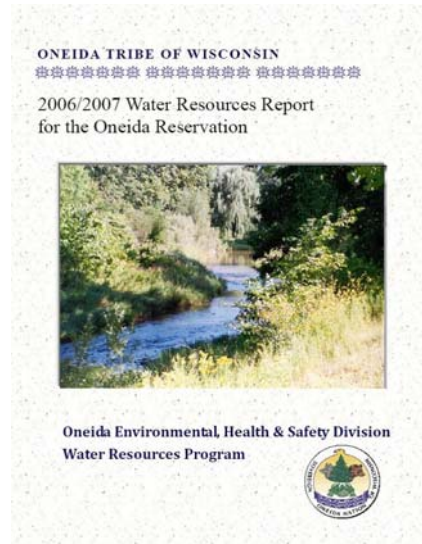


Suspended sediment trends in Trout Creek from 2000-2007 measured in routine monitoring program.

There is a noticeable decrease in suspended sediments from 2005 to present-indicating clearer water, and possibly less runoff.



Goal 3: Gain broader support



What was done...

- Community Events
- Outreach
- Annual Water Report
- Partnerships



Goal 4: Reintroduce Brook Trout



What was done...

Blind review

Project Timeline

1999

**First
samples
collected-
Results in
Notice of
Discharge**



2002

**Invertebrate
Study begins**

**Manure
containment
system installed**

**Wetland
restoration
completed on
tributary to Trout
Creek**

2003

**Stream
Restoration
Project
1,850 feet of
headwater**

2004

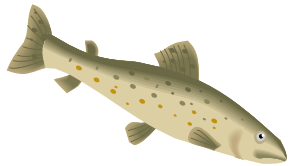
**LWH
Project
on south
branch**

Project Timeline

2005

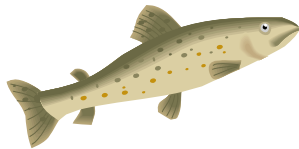
**LWH project
on north
branch**

**All waterways
in ag areas of
headwaters
buffered**



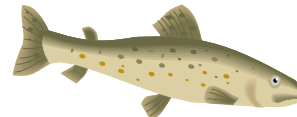
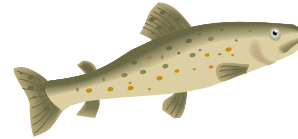
2006

**LWH
project on
Brookwood
Drive**

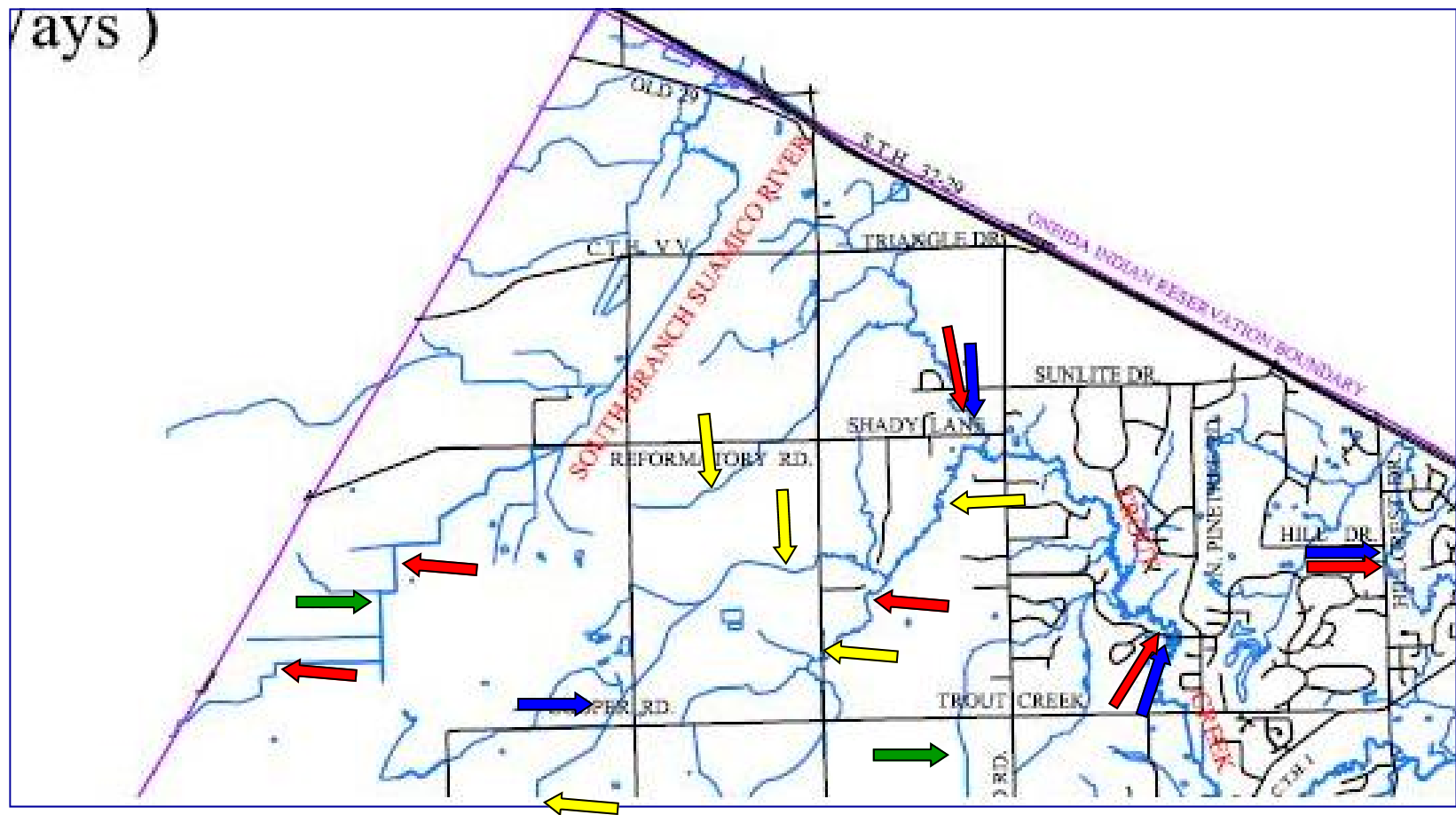


2007-08

**Oneida Nation met
with Brown County to
discuss stream
erosion issues and
fish passage around
pond in Brown County
Golf Course.**



/ays)



October 2003



July 2003

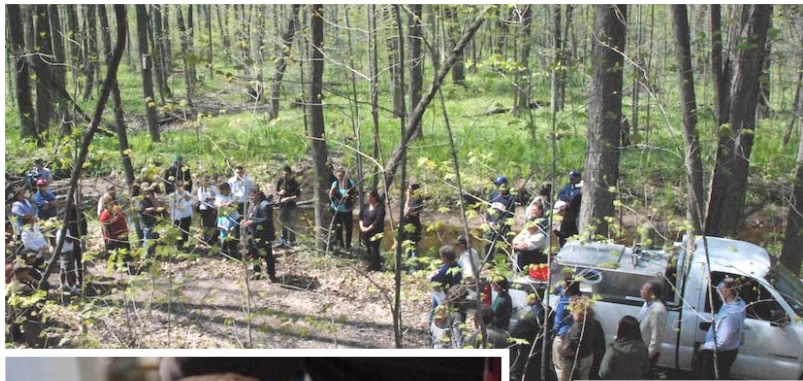


July 2004




September 2003

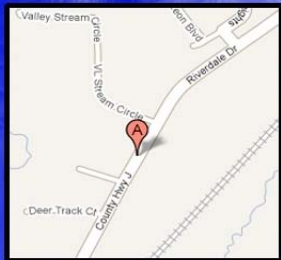





BROOK TROUT INVITE
 MAY 12, 2009
 1 PM
 960 RIVERDALE DRIVE

Hosted by: 

*Join us as we re-introduce
 brook trout to Trout Creek*

*A special thanks to
 Glen & Linda Mercier*

"It's important to restock this creek. "One of the reasons we settled here was the abundance of animals, trees and fish."

-Rick Hill, Oneida Chairman





1910. WI SHS



So when did we put the fish back in? When...

- **Data demonstrated improvements to habitat and water quality had been made as measured against known standards**
- **An outside source identified Trout Creek as a cold water trout stream in a blind test**



Contact Information

Jennifer Falck, Environmental
Health Supervisor

jfalck@oneidanation.org

Oneida Nation Environmental,
Health & Safety Division web site

www.oneidanation.org/environment/