

# Lake Pend O'reille

An aerial photograph of Lake Pend Oreille, showing a long dam structure extending across the lake. The water is a deep blue-green color. The surrounding landscape is covered in dense evergreen forests, with rolling hills and mountains in the background under a clear sky. A few small boats are visible on the water's surface.

08/04/2008

# The Lake Pend O'reille System

- **Most Diverse Conditions Anywhere**
- **Complex Land Ownerships and Users**
- **Financially and Politically Difficult**
- **Hydropower and Fish Issues**
- **Environmental Sensitive Public Relations**

# The Goals For 2006

- Eradication, per ISDA guidelines.
- Reduce 5,000 acres to >500 acres in 3 years.
- Find future funding sources.
- Gain local support groups.

# Management Strategies

- Develop Mapping Program
- Bottom Barriers
- Herbicide Applications
- Diver Dredging
- Monitoring Control Work

# Accomplishments to 2008

- 5,000 acres reduced to 900 acres, sparse to dense.
- River application needs #2 treatment
- Dye study, MSU surveys provided technical data for improved success
- Scientific data from MSU report proves funding is well spent
- Application techniques continuously improved

# Chucks Slough 05-08



# Hawkins Point 05-08



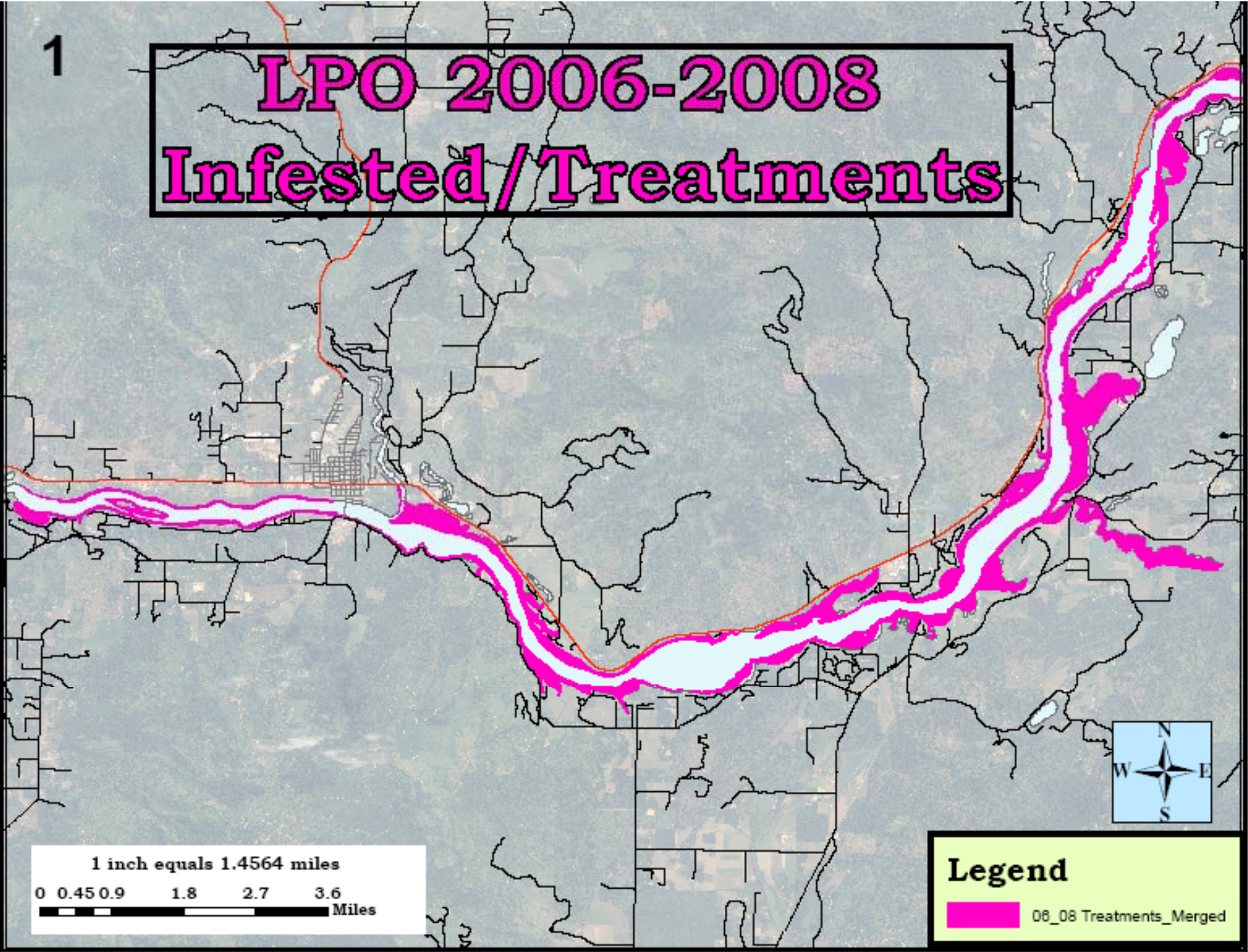
# Reviewing the Three Years

- 25,000 acre littoral zone, was infested with about 5,000 acres in 2005, is now about 900 acres in 2008.
- Treated 3,832 acres in 2006 & 2,048 acres in 2007 or total of 5,880 acres.
- Cost \$1.8m 2006, \$1.6m 2007, \$1.3m 2008 or Total of \$4.7m
- % Control Deep water decreases and costs increases, conditions tougher.



1

# LPO 2006-2008 Infested/Treatments

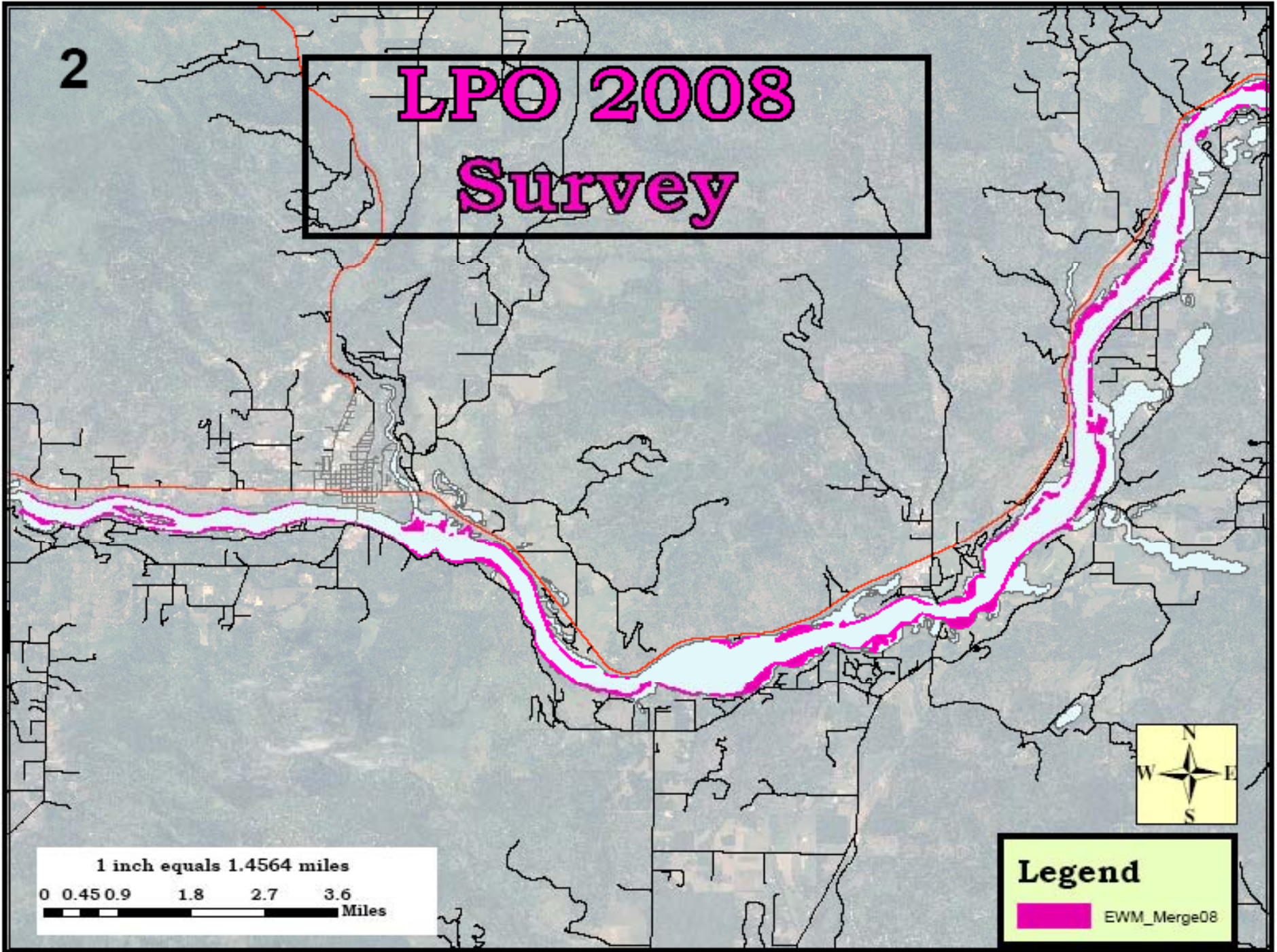


1 inch equals 1.4564 miles  
0 0.45 0.9 1.8 2.7 3.6  
Miles

**Legend**  
06\_08 Treatments\_Merged

2


# LPO 2008 Survey



1 inch equals 1.4564 miles

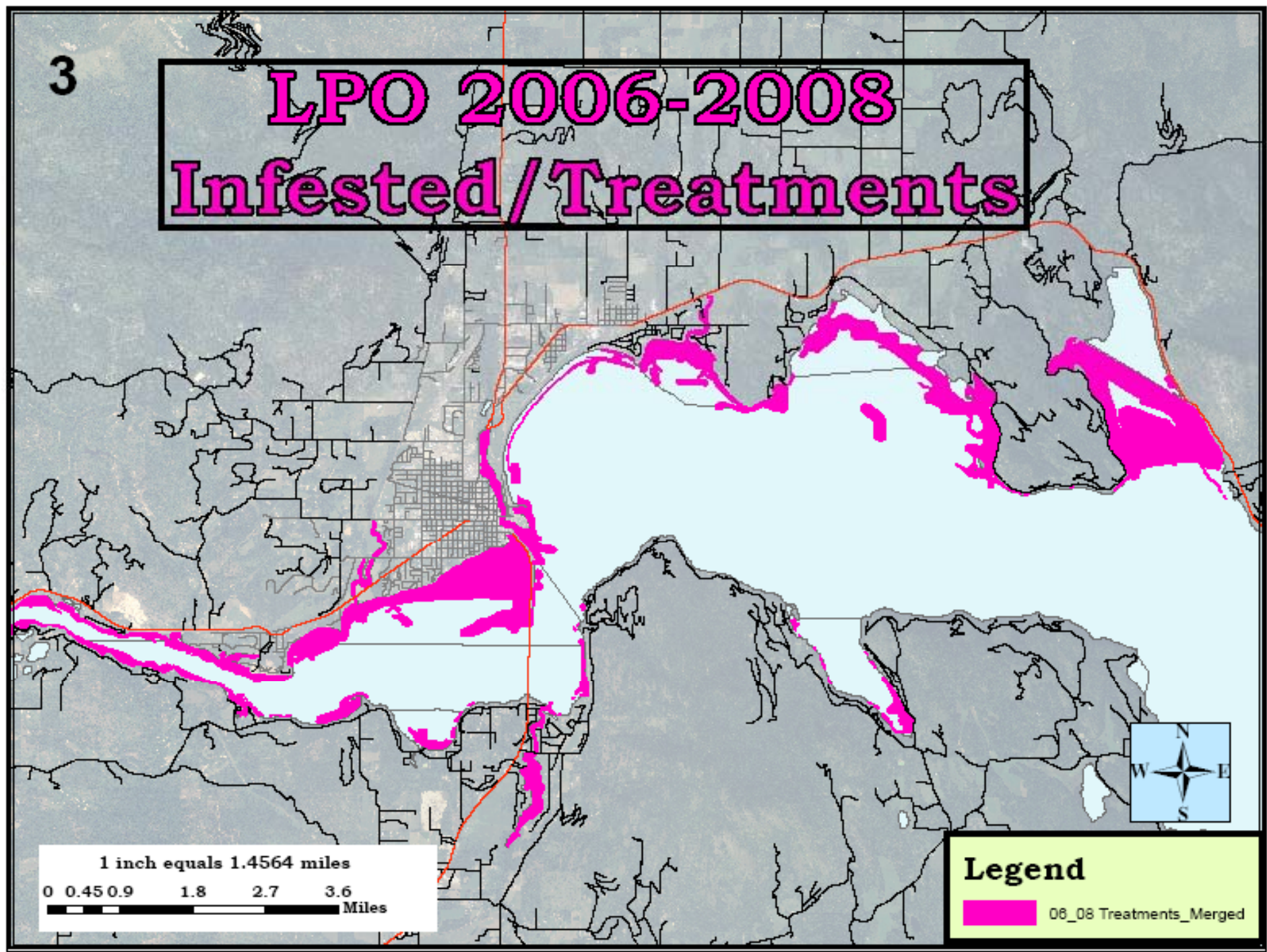
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Miles

**Legend**

 EWM\_Merge08

3

# LPO 2006-2008 Infested/Treatments

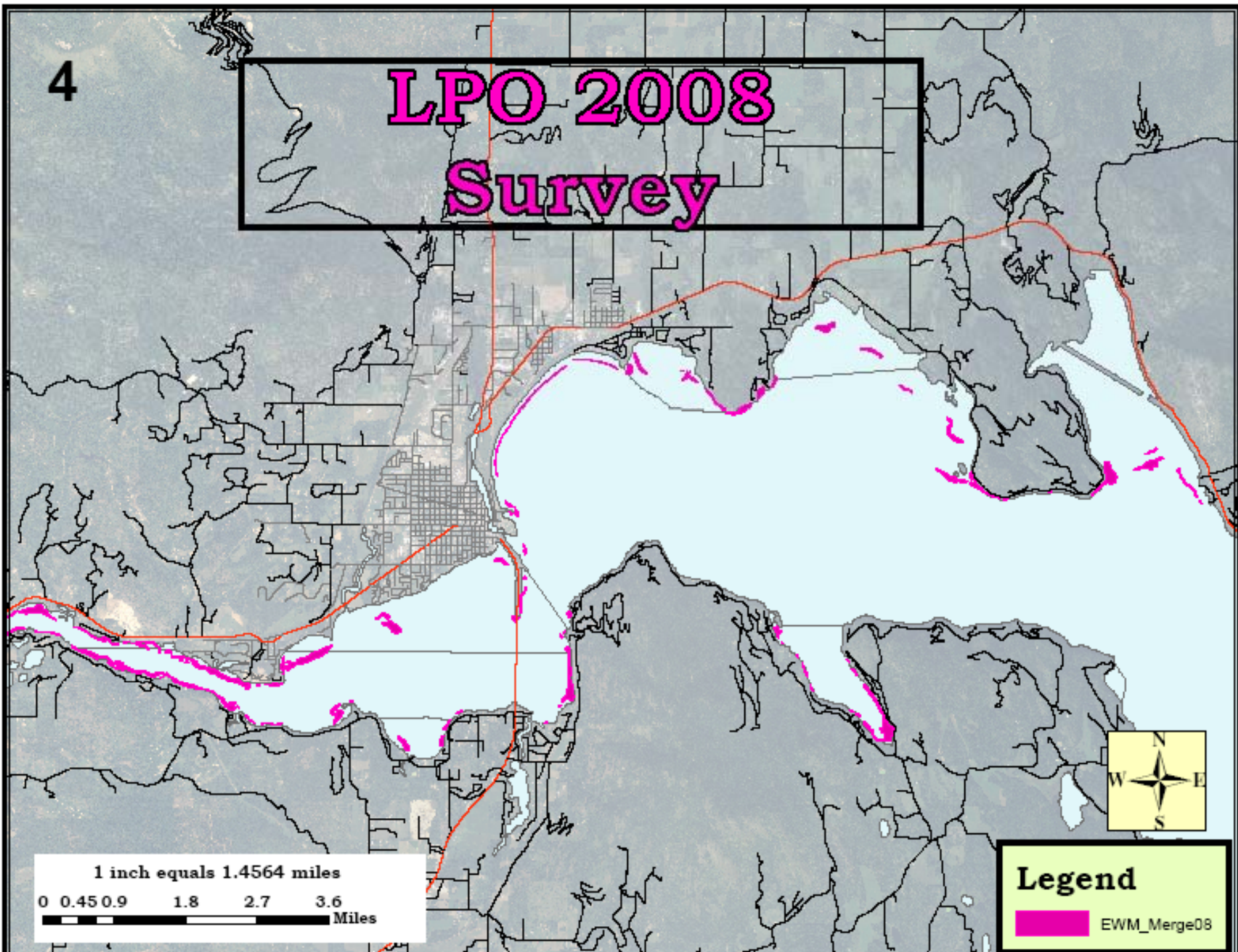


1 inch equals 1.4564 miles  
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Miles

**Legend**  
06\_08 Treatments\_Merged

4


# LPO 2008 Survey



1 inch equals 1.4564 miles

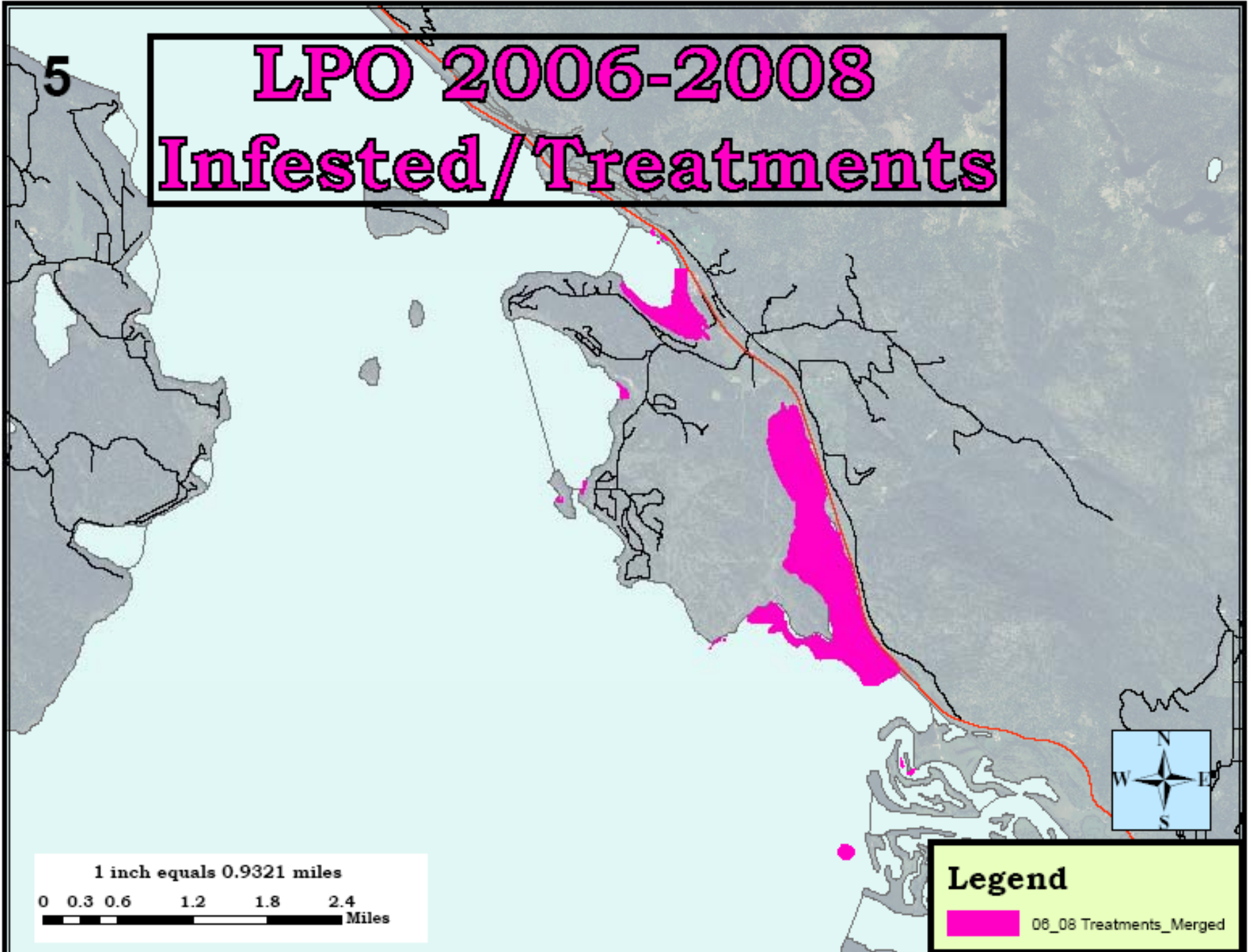
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Miles

## Legend

 EWM\_Merge08

5


# LPO 2006-2008 Infested/Treatments



1 inch equals 0.9321 miles

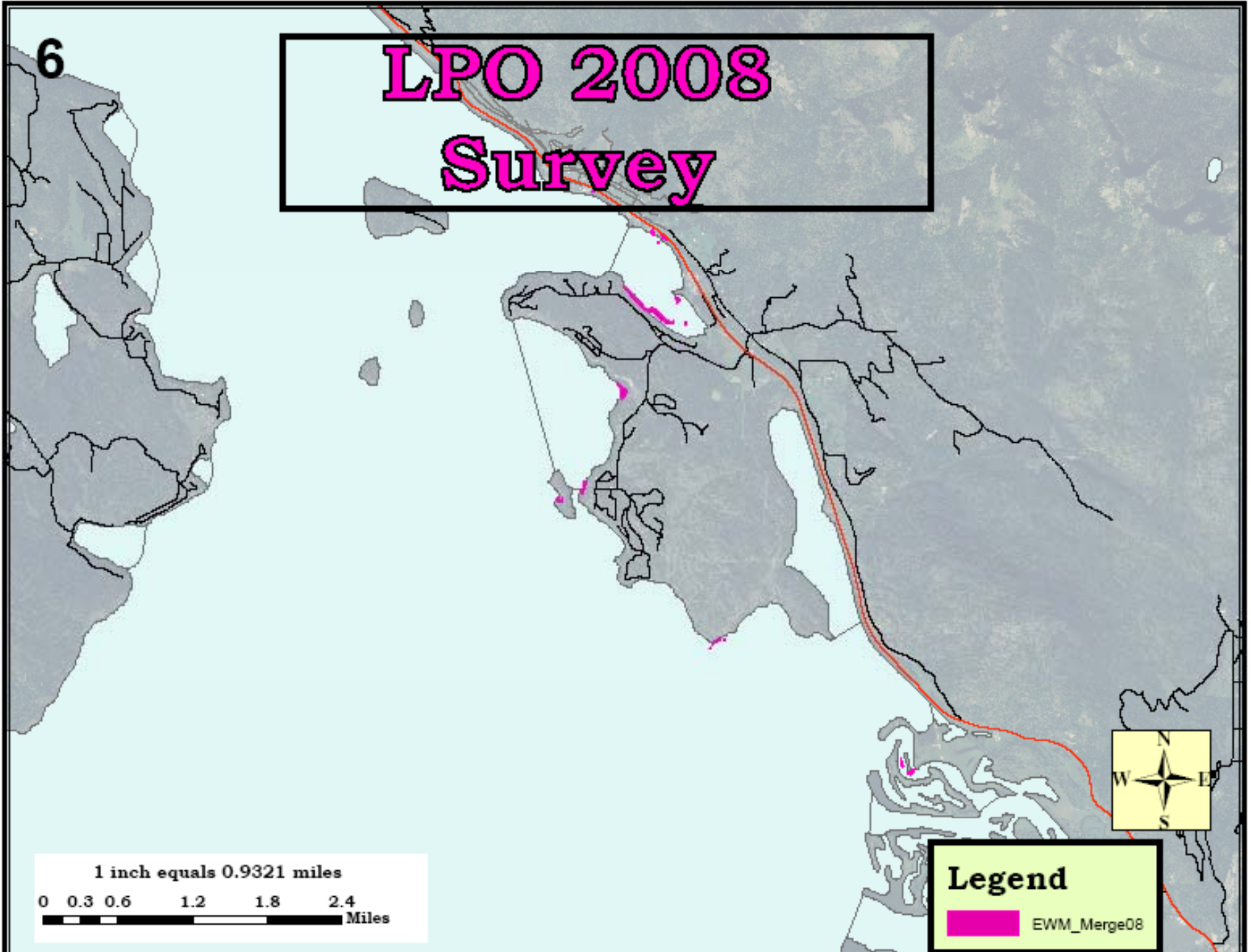
0 0.3 0.6 1.2 1.8 2.4  
Miles

## Legend

 06\_08 Treatments\_Merged


6

# LPO 2008 Survey



1 inch equals 0.9321 miles  
0 0.3 0.6 1.2 1.8 2.4  
Miles

## Legend

 EWM\_Merge08

# Application Techniques

- Water flows from 10cfps to 18cfps near bay areas or in the main river reservoir.
- Liquid and Dry products have different use areas
- Water users, landowners and recreational restrictions reduce options
- 2008 liquid technique saved money, does not work best everywhere

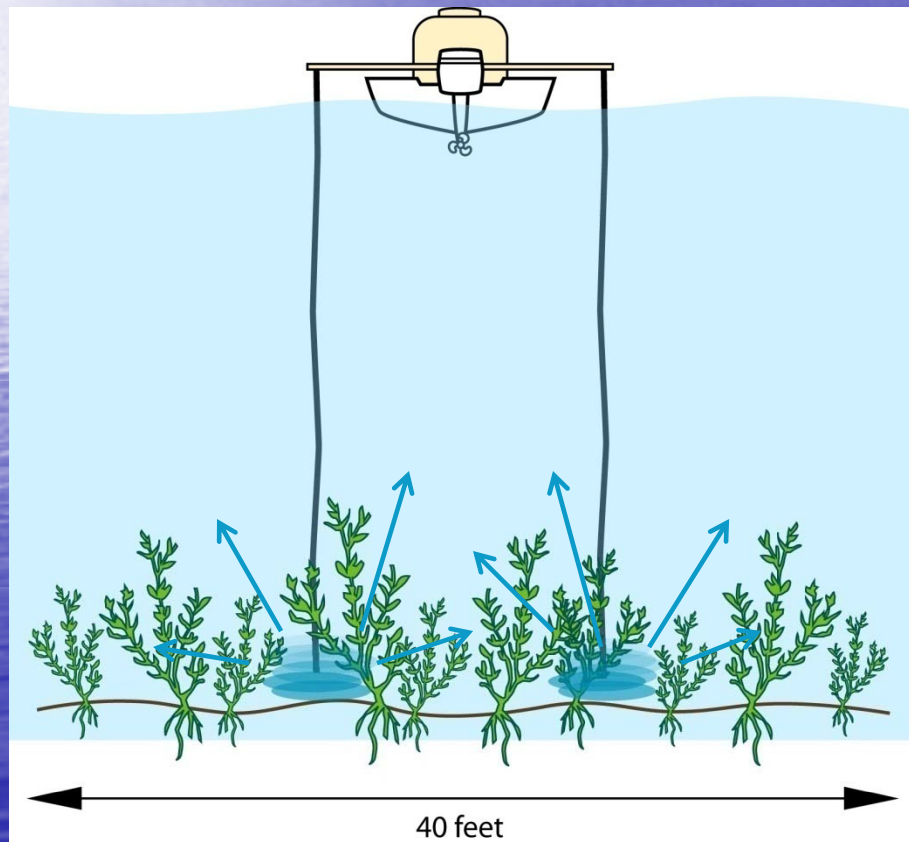
# Strip Control Issues





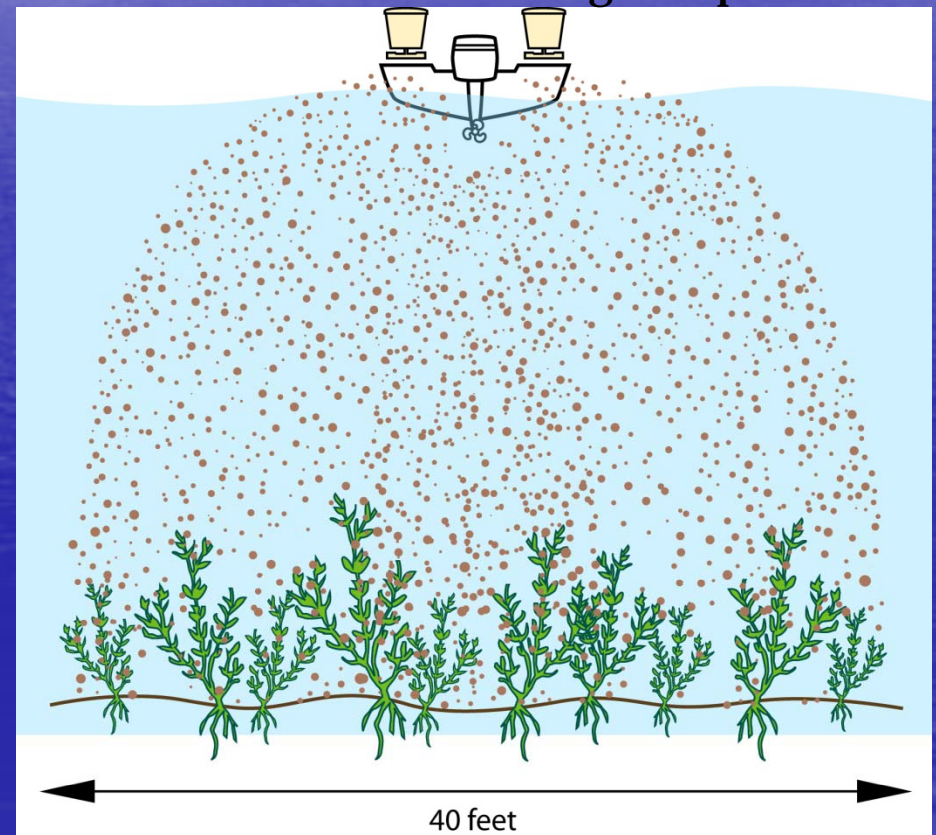
## Liquid Application

Narrow bands of liquid herbicide must defuse through vegetation to get to all targeted plants



## Granular Application

Broadcast spreaders evenly deliver granular herbicide right to the base of all the targeted plants



Once defused above the vegetative canopy, herbicide is vulnerable to water FLOW

# All Options Needed in 2009

- Liquid and Dry product applications
- Flexible Product Choices for conditions
- Maximum funding to reduce acres for local management possibilities, 900 to 200.

# Future For Local Management

- Strategic Plan guidelines
- Acreage must be manageable, low.
- Funding sources difficult in economic times
- Everyone's help is needed, more partners.