

# Medicine Lake Stakeholder Information 2014



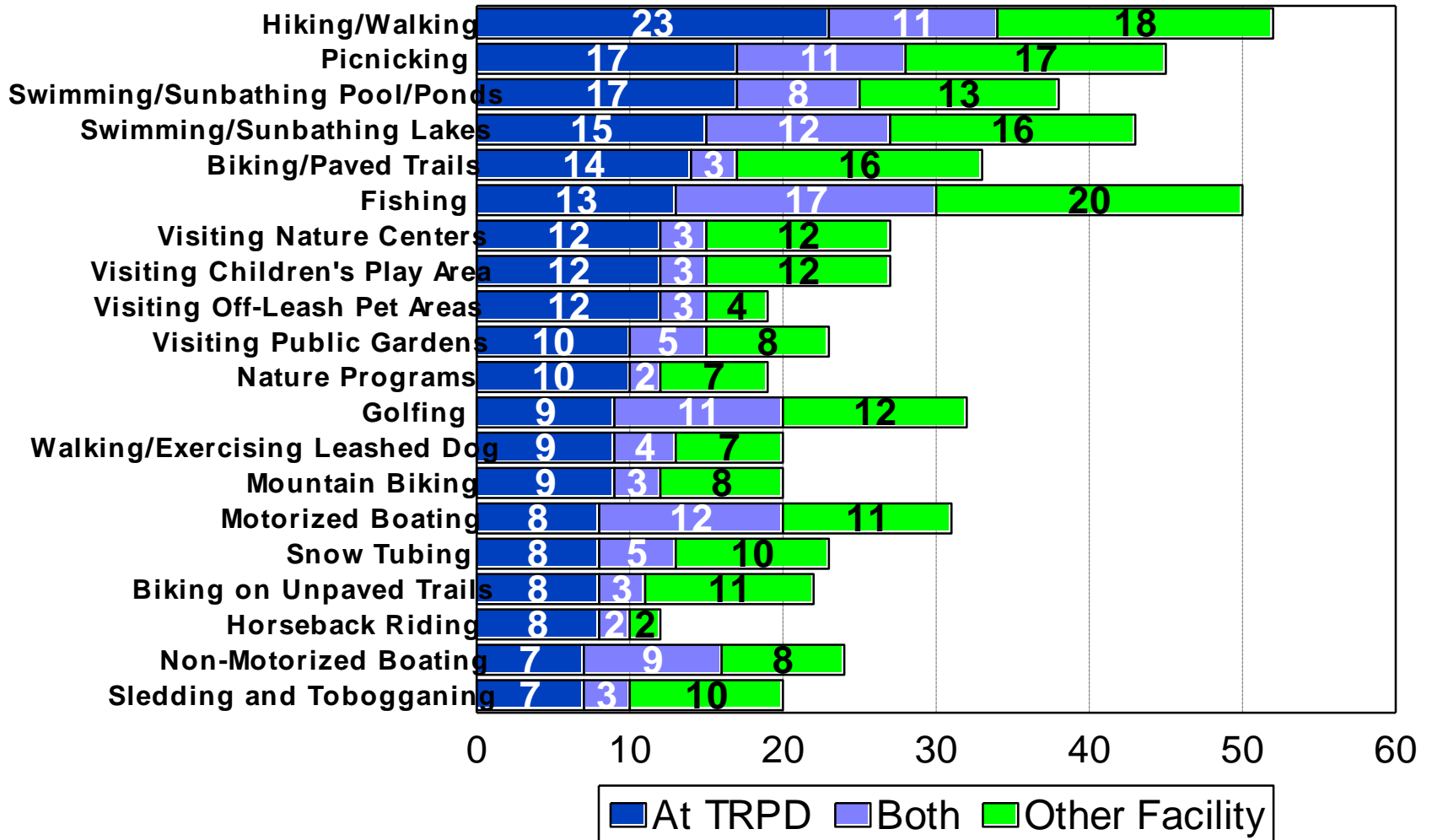




BOAT LANDING  
DOCK  
FISHING  
NOT PERMITTED  
PARK HOURS  
6 AM to Sunset

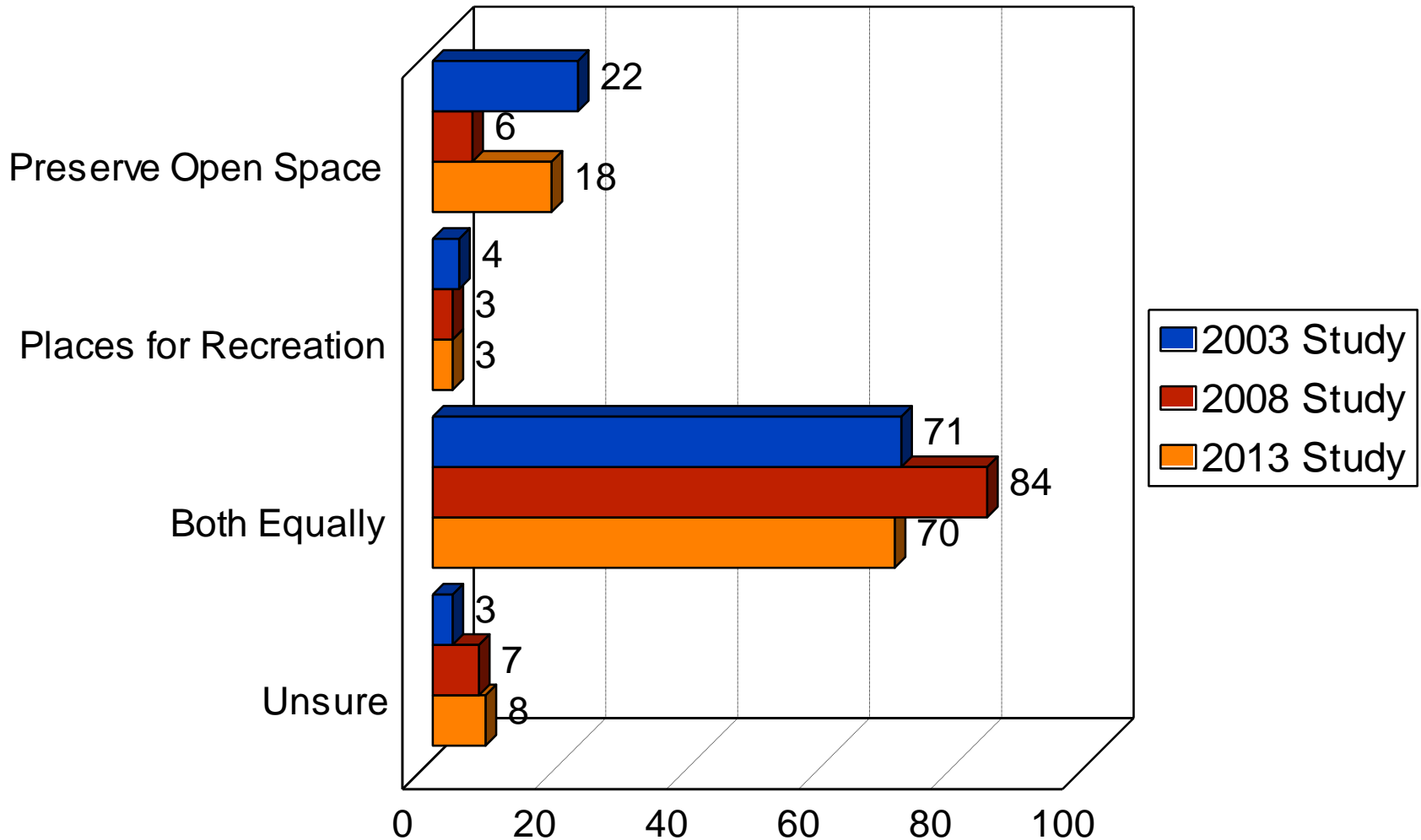
# Current Household Recreational Activities

2013 Three Rivers Park District



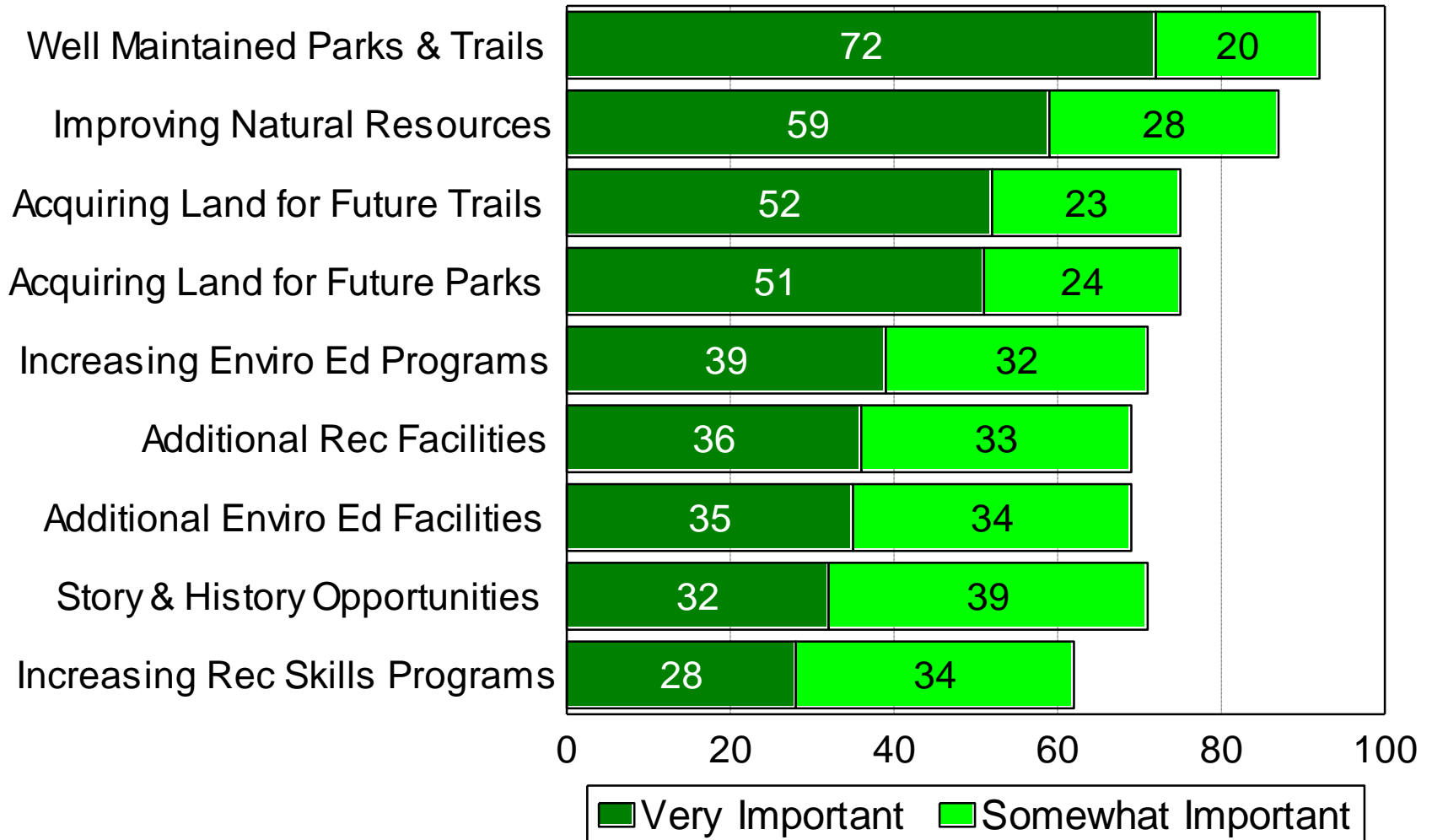
# Primary Goal of Park District

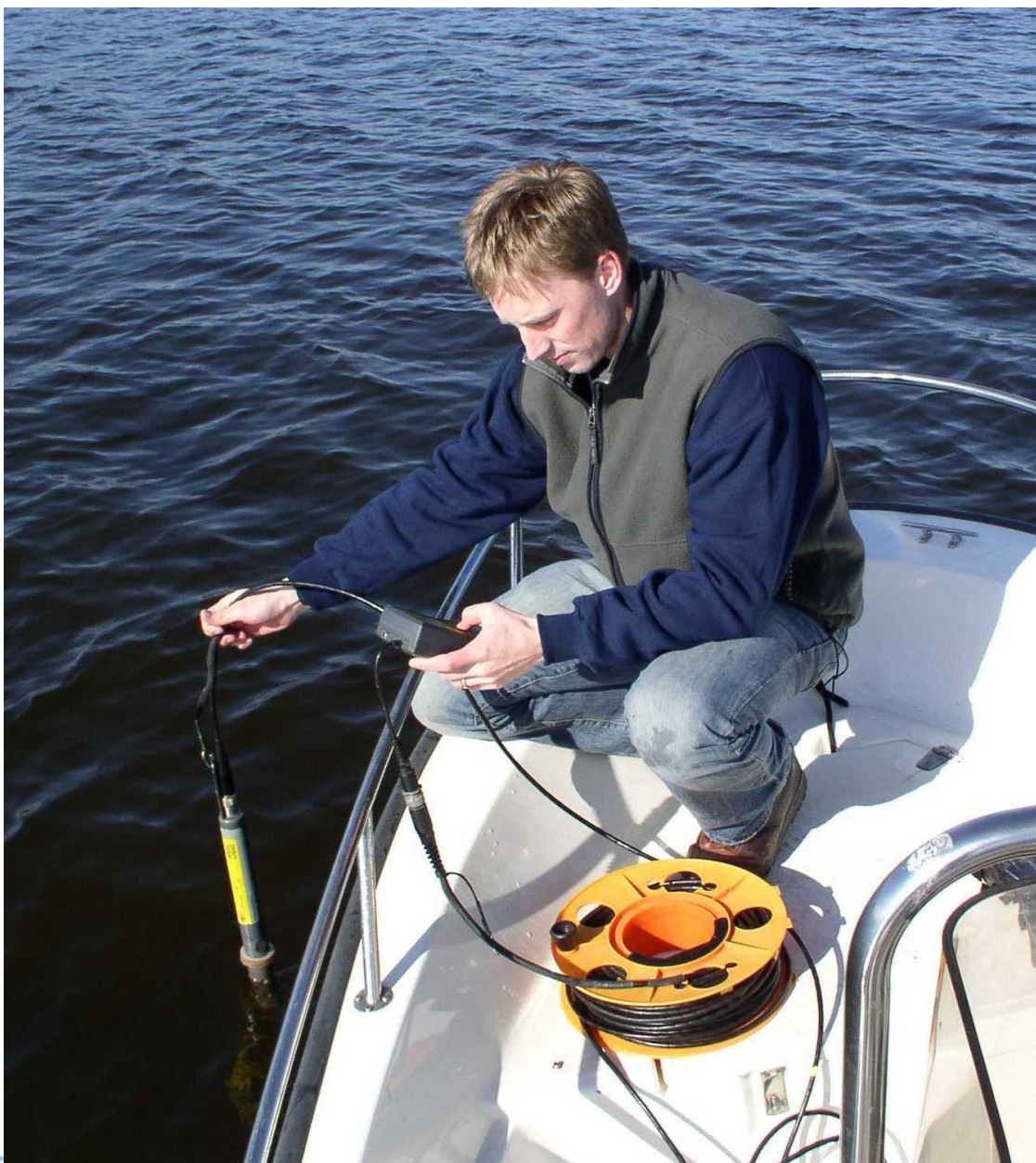
2013 Three Rivers Park District



# Importance of Future Actions

2013 Three Rivers Park District





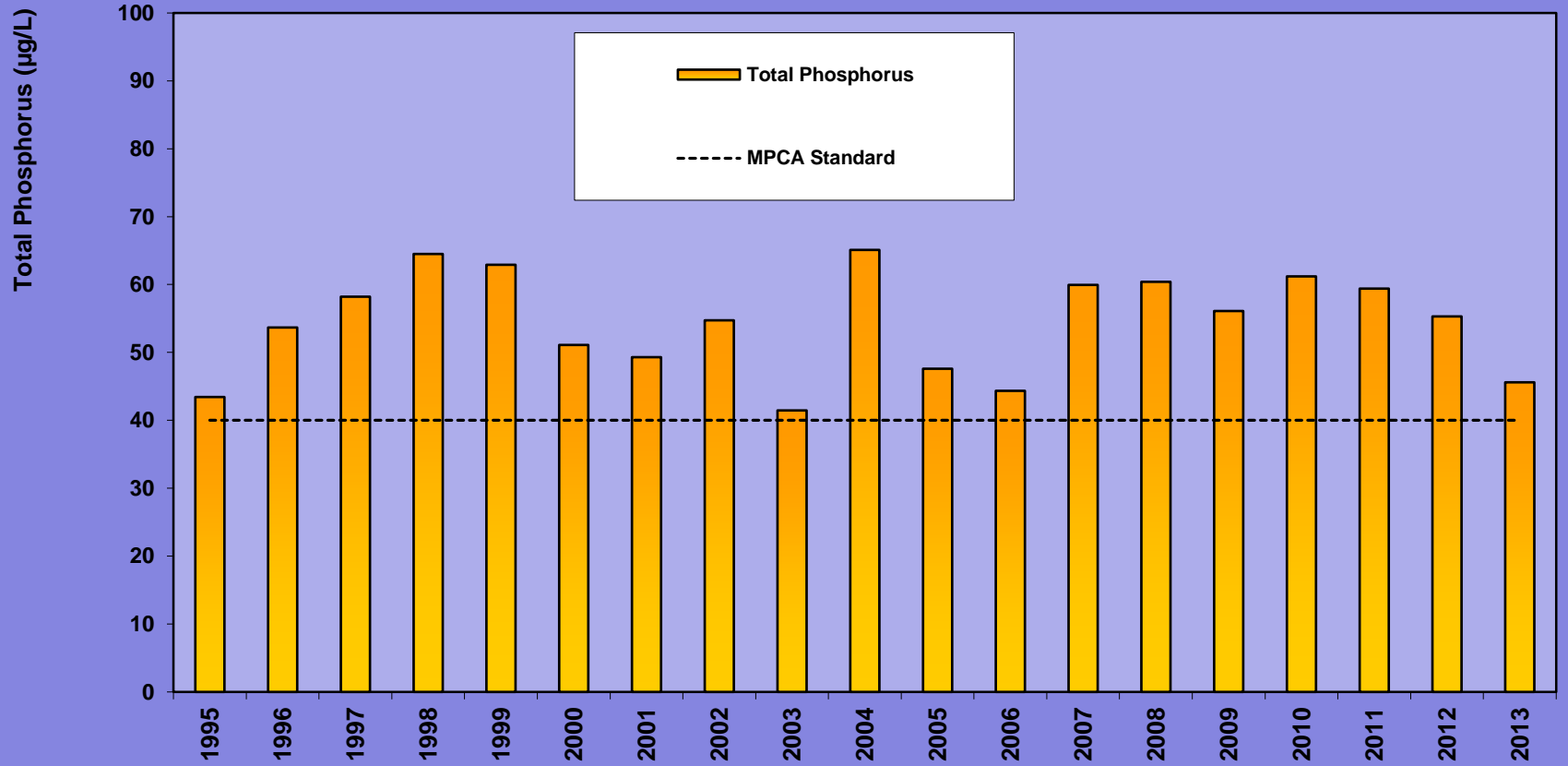
# U.S. Environmental Protection Agency NPDES Storm Water Sampling Guidance Document 833-B-92-001

<http://www.epa.gov/npdes/pubs/owm0093.pdf>

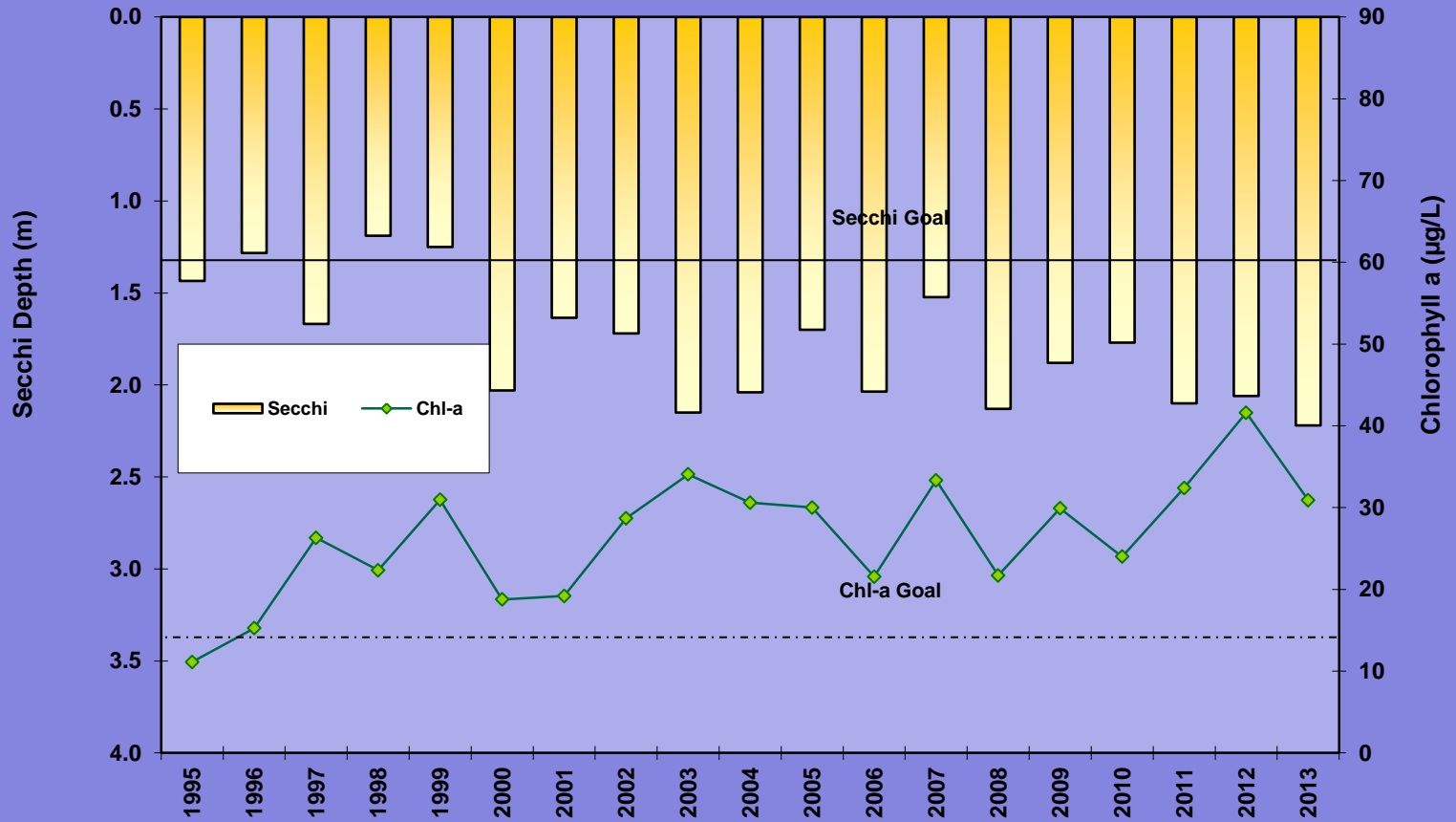




# Medicine Lake



### Secchi Depth and Chlorophyll a





18<sup>th</sup> AVE N

EVERGREEN LN

STOP

↑

▲

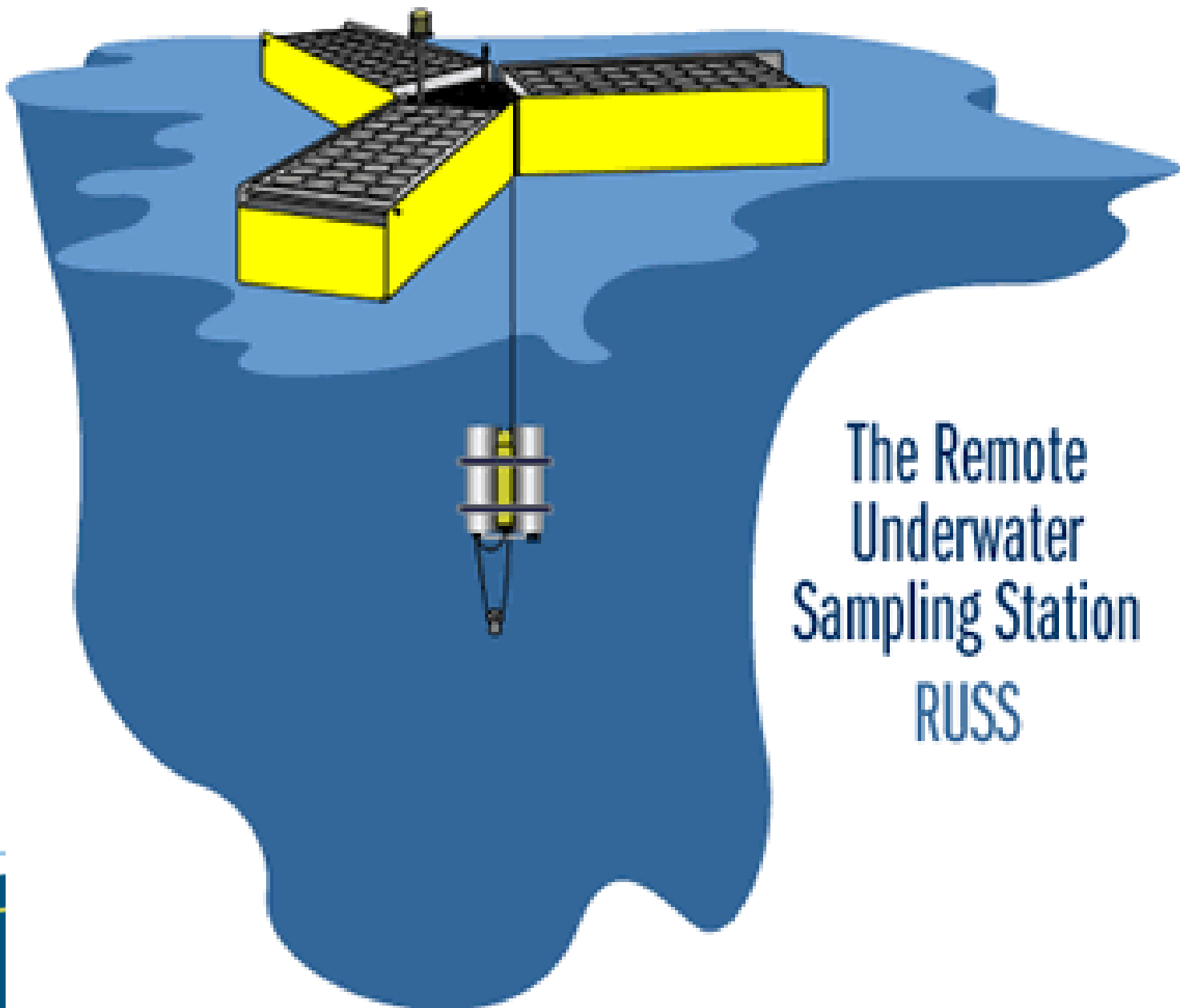
W MEDICINE LK DR

STOP

P

SEP 2 2010

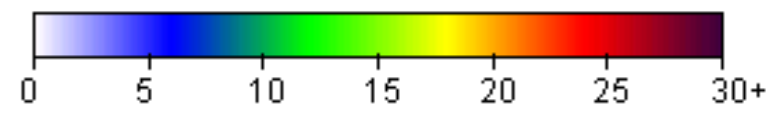




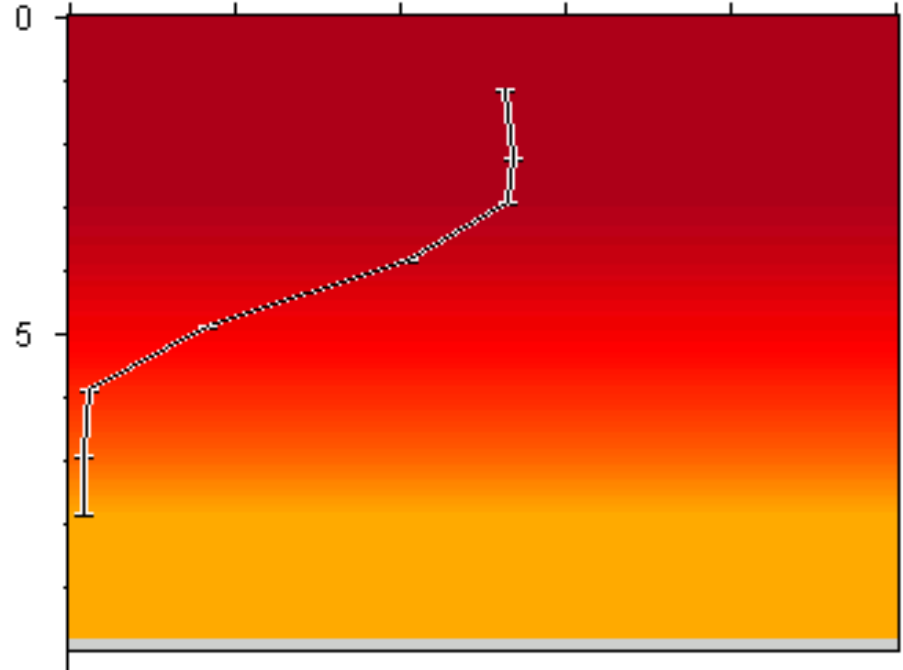
The Remote  
Underwater  
Sampling Station  
RUSS

### Medicine Lake Thu, 08-01-2002 06:00 CDT

Mapping: Temperature (degrees C)



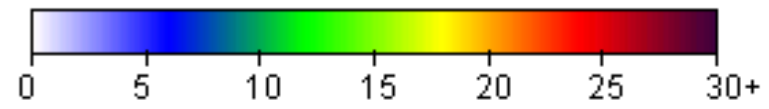
Plotting: Dissolved Oxygen (mg/L)



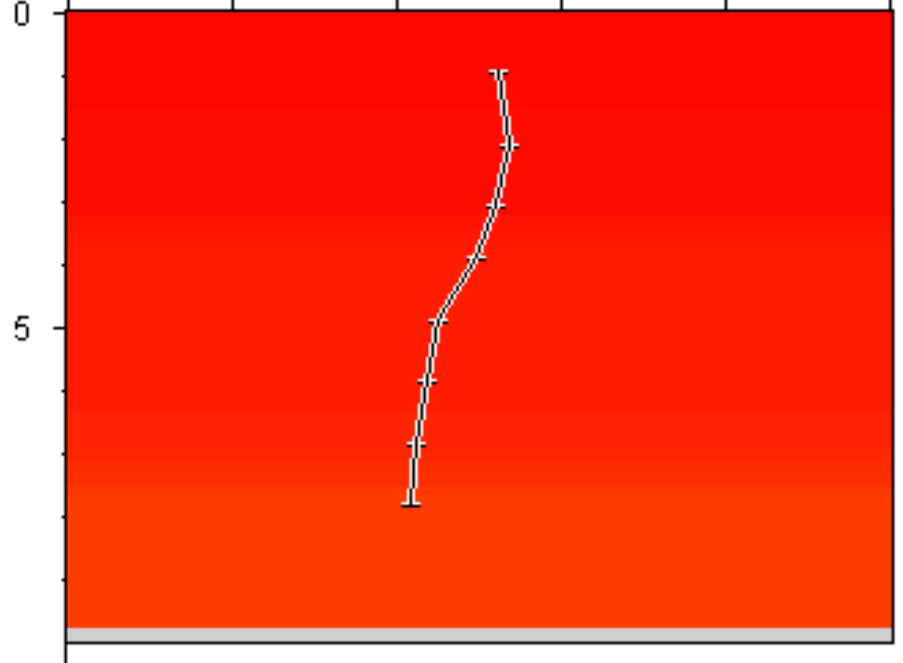
Depth (m) Bottom = 10.0

### Medicine Lake Wed, 08-07-2002 18:00 CDT

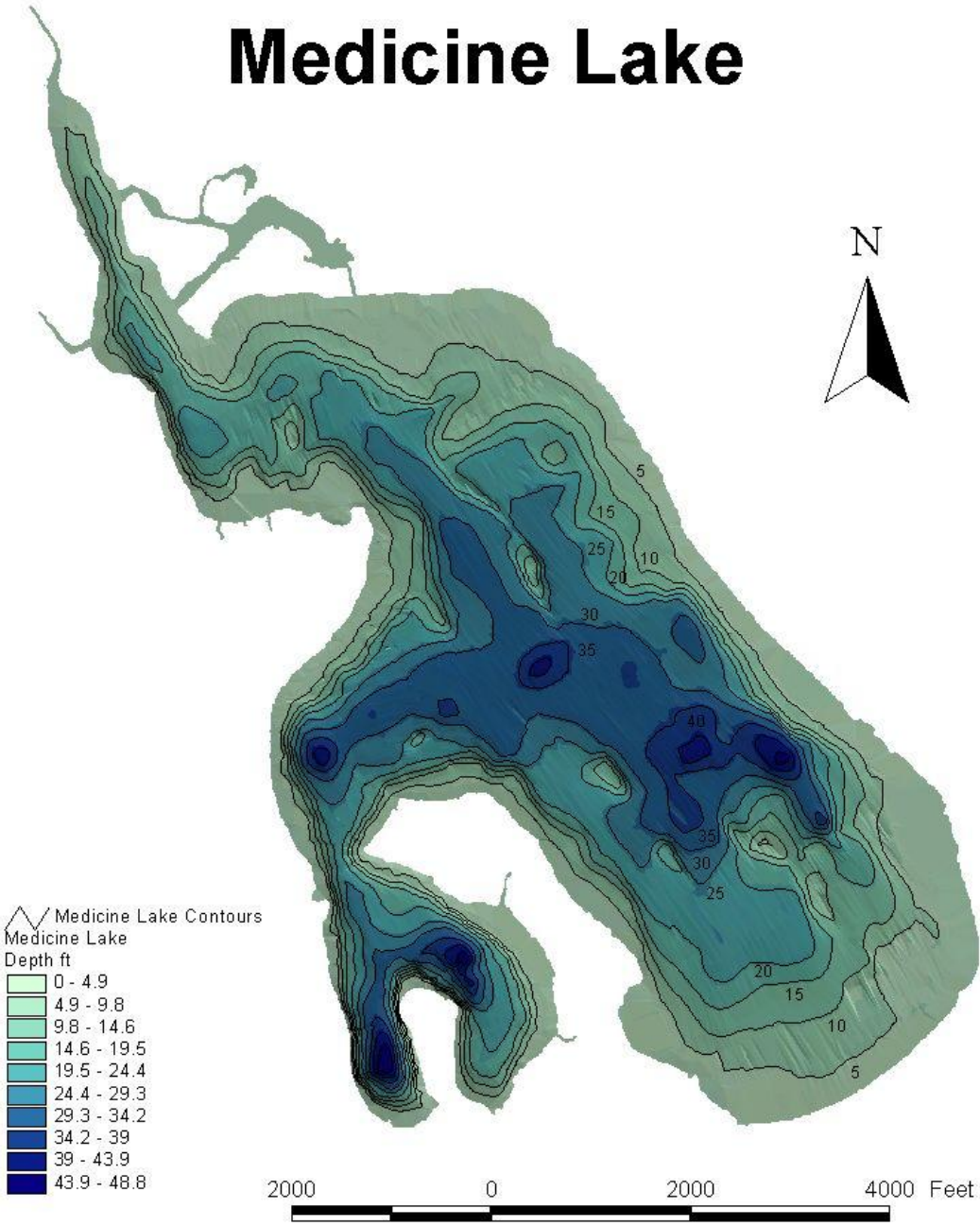
Mapping: Temperature (degrees C)



Plotting: Dissolved Oxygen (mg/L)



# Medicine Lake





**Medicine Lake Curlyleaf Pondweed, *Potomageton  
crispus*, Control Program**

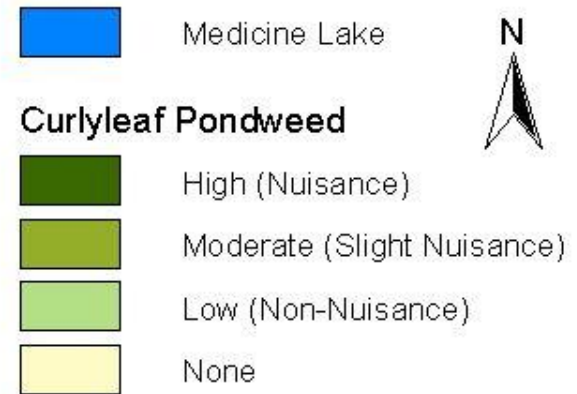
**5 Year Effort**

**\$400,000**



# Surveys

## Medicine Lake



**Visual Survey**  
May 3, 2004

**Bi-weekly**  
**Water Quality**  
**Monitoring**

**Point Intercept Survey**  
April 2004  
June 2004  
September 2004

**Quadrant Survey**  
May 6, 2004 June  
14, 2004

# Aquathol Treatment

May 8 through May 11, 2004









© MN DNR

# Stopping the Spread

- Clean boats
  - Dry surface for 5+ days
  - Wash w/ hot presser washer
  - Dry wet well
  - Dry bait buckets
  - Remove all vegetation
  - Day use not as critical
- Clean docks and lifts



# Boat Inspection Program

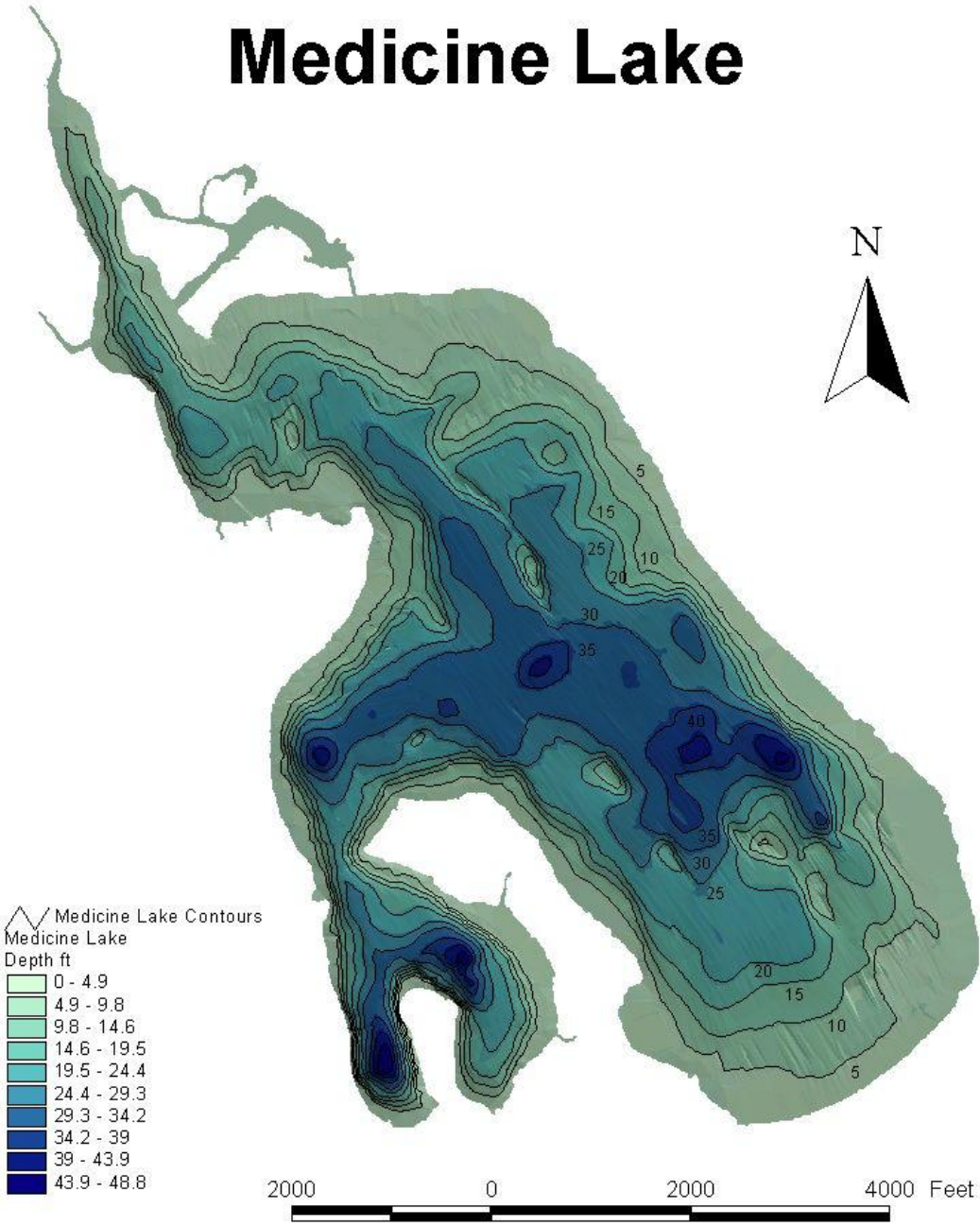
- Educational focus
- Inspect boats at facilities w/ gate staff
  - Distribute brochures during inspection
  - Coordinate w/ DNR program
  - Public safety patrols other launches – DNR training
- Enforcement



## Lake Sedimentation Issues



# Medicine Lake









07 MN8952AF

Catalina

Cypac



# Park District Objectives

- Maintain the ecological function of the lake
  - Expand native plant community
  - Prevent introduction of AIS
- Improve the lake water quality
  - Address internal loading
- Protect the recreational values the lake provides