**Watershed** - An area of land that drains water into a common receiving body such as a stream or lake. Boundaries defined by the lay of the land.
The 9 Lakes TMDL Planning Area

- **Cotton-Mutton Creek Watershed**
  - Island Lake
  - Lake Napa Suwe
  - Ozaukee Lake
- **Slocum Lake Drain - Fiddle Crk Watershed**
  - Woodland Lake
  - Slocum Lake
- **Tower Lakes Drain Watershed**
  - Tower Lake
  - Lake Fairview
  - Timber Lake
  - Lake Barrington

Nonpoint Source (NPS) Pollution

The term "nonpoint source" is defined to mean any source of water pollution that does not meet the legal definition of "point source" in section 502(14) of the Clean Water Act.
Watershed-based Planning approach

http://www.epa.gov/owow/nps/watershed_handbook
http://www.cmap.illinois.gov/water-quality

What is a TMDL?

“a calculation of the maximum amount of a pollutant that a water body can receive and still meet water quality standards and support designated uses.”

http://www.epa.state.il.us/water/tmdl/tmdl-brochure.pdf
Delineating Our Planning Area... a work in progress

The 9 Lakes

Island Lk - RTZI
Lk Napa Suwe - STO
Drummond Lk - UTI

Woodland Lk - STV
Slocum Lk - RTP

Tower Lk - RTZF
Lk Fairview - STK
Timber Lk - RTZQ
Lk Barrington - RTZT
Island Lake
Surface area = 78 ac @ 750.14 ft elev. (1995)
Watshd area = 5,949 ac @ 6,132.3 ac
Max. depth = 9.8 ft
Avg. depth = 5.3 ft
Volume = 443.3 ac-ft
Shoreline length = 4.9 mi

Lake Napa Suwe
Surface area = 61 ac @ 789.80 ft elev. (2008)
Watshd area = 1,069 ac @ 656.7 ac
Max depth = 3.5 ft
Avg depth = 1.4 ft
Volume = 123.2 ac-ft
Shoreline = 4.6 mi

Ozaukee Lake
Surface area = 21 ac @ 801.04 ft elev. (2009)
Watshd area = 66 ac @ 101.8 ac
Max depth = 3.0 ft
Avg depth = 1.6 ft
Volume = 33.4 ac-ft
Shoreline = 0.9 mi

- Numbers in blue from Stage 1 TMDL report (AECOM 2010)
- Numbers in red from Lake Co. Health Dept. (Mike Adam, pers. corr. 2012)
Woodland Lake
Surface area = 8 ac 7.7 ac @ 785.00 ft elev. (2002)
Watershed area = 52 ac 54.9 ac
Max. depth = 7.5 ft
Avg. depth = 3.7 ft
Volume = 28.9 ac-ft
Shoreline length = 0.5 mi

Slocum Lake
Surface area = 211 ac 216.9 ac @ 736.32 ft elev. (2009)
Watershed area = 5,310 ac 5,520.9 ac
Max depth = 7.0 ft
Avg depth = 3.8 ft
Volume = 817.6 ac-ft
Shoreline = 3.8 mi
**Tower Lake**

- Surface area = 69 ac 69.2 ac @ 746.00 ft elev. (2002)
- Watshd area = 3,148 ac 3,217.2 ac
- Max. depth = 7.5 ft
- Avg. depth = 4.5 ft
- Volume = 233.6 ac-ft
- Shoreline length = 3.3 mi

- Numbers in blue from Stage 1 TMDL report (AECOM 2010)
- Numbers in red from Lake Co. Health Dept. (Mike Adam, pers. corr. 2012)

**Lake Fairview**

- Surface area= 20 ac 20.5 ac @ 766.00 ft elev. (2005)
- Watshd area = 30 ac 49.5 ac
- Max. depth = 10 ft
- Avg. depth = 5 ft
- Volume = 102 ac-ft
- Shoreline length = 0.8 mi

- Numbers in blue from Stage 1 TMDL report (AECOM 2010)
- Numbers in red from Lake Co. Health Dept. (Mike Adam, pers. corr. 2012)
Timber Lake
Surface area = 33 ac 32.4 ac @
774.00 ft elev. (2002)
Watshd area = 1,228 ac 1,261.0 ac
Max. depth = 14.0 ft
Avg. depth = 7.6 ft
Volume = 244.0 ac-ft
Shoreline length = 1.5 mi

Numbers in blue from Stage 1 TMDL report
(AECOM 2010)
Numbers in red from Lake Co. Health Dept.
(Mike Adams, pers. corr. 2012)

Lake Barrington
Surface area = 91 ac 91.1 ac @
780.00 ft elev.
Watshd area = 191 ac 282.4 ac
Max. depth = 13.0 ft
Avg. depth = 7.8 ft
Volume = 701.4 ac-ft
Shoreline length = 3.2 mi

Numbers in blue from Stage 1 TMDL report
(AECOM 2010)
Numbers in red from Lake Co. Health Dept.
(Mike Adams, pers. corr. 2012)