Lessons Learned

Best Management Practices - Door County Beaches

County of Door
SOIL & WATER CONSERVATION DEPT.
Greg Coulthurst
Conservationist
A Brief History

- July 2002 – 68 campers at Peninsula State Park become ill with a gastro intestinal illness after swimming at Nicolet Beach due to high levels of *E. coli* bacteria.
- An intensive study of 28 Door County beaches is initiated to determine potential sources of contamination (wind, rain, avian, land use, spatial, morphology, etc).
- *E. Coli = Storm water/Birds/Local*
Implementation (2009-2010)
Sunset Park Beach
Egg Harbor Village Beach
Ellison Bay Town Park Beach

Implementation (2012)
Otumba Park Beach
Anclam Park Beach
Baileys Harbor Ridges Beach

Implementation (2013-2014)
Murphy Park Beach
Lakeside Park Beach
Hotz Memorial Park
Sand Bay Park
Portage Park
Haines Park
Beach Lessons for Dummies

Chapter I - Water Levels
Chapter II - Groundwater
Chapter III - Canada Geese/Gulls
Chapter IV - Permits
Chapter V - Fencing
Chapter I
Water Levels
Great Lakes Water Levels (1918-2016)

Lake Superior

Lake Michigan-Huron

Lake St. Clair

Lake Erie

Lake Ontario

The monthly average levels are based on a network of water level gages located around the lakes.
Sunset
Sunset
7/7/11
Chapter II
Groundwater
Murphy Park
Baileys Harbor
Anclam 2012

9/5/14
Chapter III
Canada Geese/Gulls
Egg Harbor

- Congregation
- Line of Site
- Food
Murphy Park

- Congregation
- Line of Site
- Food
Chapter IV
Permits
Murphy Park

- County Permits - 5/1/13
- Municipality Agreement – 8/16/13
- Bulkhead Line – 9/26/13
- WDNR Permits – 12/9/13
- Army Corps Permits – 5/28/14
Chapter V
Fencing
Questions?

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