

2022 SUMMARY TNN ANNUAL REPORT: Sixteenth Report since inception.

Township Neighbors Network (TNN) - Recognized as a forward looking voice for the interests of the Antrim County coastal community on Grand Traverse Bay - Tracked state of the Great Lakes as rising water, colder Lake Superior.

Presented coastal initiatives to community groups by invitation - Connects to US-Canada Great Lakes shoreline and worldwide NGO's - Adapted 'make room for the water' policy from the Netherlands. From centuries of higher dikes to, harmony with water e.g. mounds dating to 500 BC.

Concluded 157 years of mankind's diversions, re-channeling and control structures amplify extreme water levels of Great Lakes since 1865 - Supports restoring natural 4 foot range (not 6'); bi-national field study of St. Clair River bottom contours.

Advocated DIY adapt/improvise infrastructure for resilience after 100 year storms flooded shorelines and homes from collapsed dams, drain overflows, pumping failures. - Concluded water level forecasts are difficult and unreliable; no expert forecast 2020 high or 1997-2013 low; multiyear models are one sided and contradictory.

Revealed that just 3% of statewide Great Lakes waterfront lots placed rocks alongshore - Promoted off-shore breakwater, a thoughtful design to make use the timeless harmony of natural forces.

Co-signed open letter to US house/senate riparian districts for \$10 million appropriation to re-set water flow control policy.

Tutored Deed Restrictive Covenants, HOA's & Zoning. Recorded covenants run with the land. Docks/Hoists as zoned accessory structures must meet side setbacks. Stricter covenant setbacks prevail over zoning. Contact zoning administrator

Reported debate: YES, The Great Lakes region could be a climate refuge. NOT YET, until region works with nature to reduce water highs and increase the low to mitigate stronger storms.

Progress: Antrim coast has a 50-50 balance of preserved and private residences - Tutored zoning law and deed restrictive covenants including docks subject to buyer discovery.

Call to action eradicate Spotted Knapweed invasive species from beaches - Enjoy beach short story and woodsy poem - Advocate septic inspection and transport of all pumped human waste to treatment plant.