

Courtice north groundwater recharge housing suitability at the Lake Iroquois Beach

All other communities in Clarington received Parks, trails and or protection of heritage site, BUT Courtice north

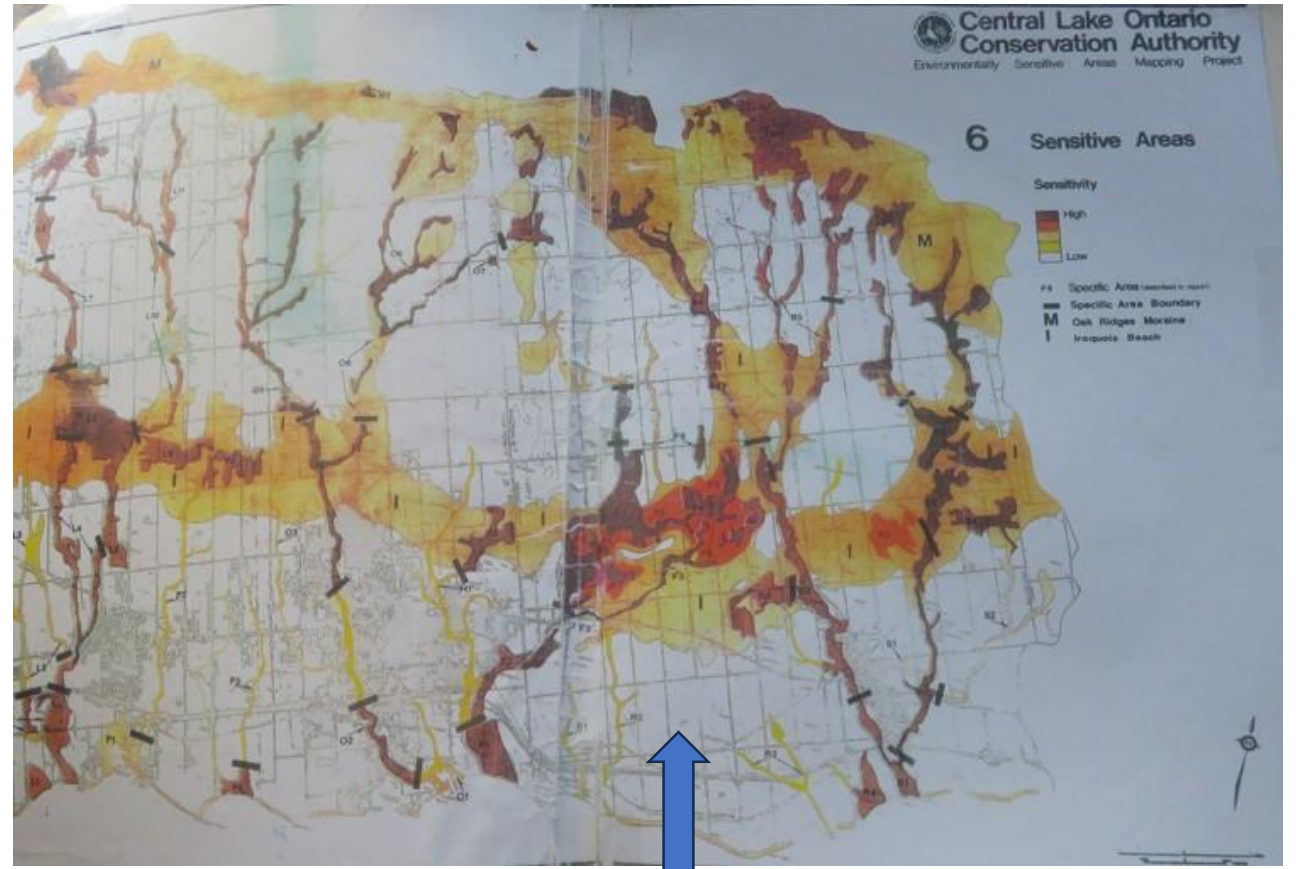


Groundwater flow



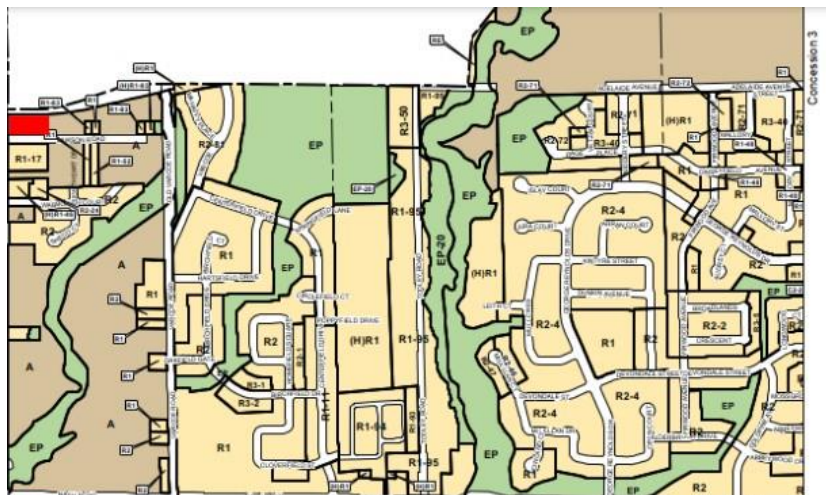
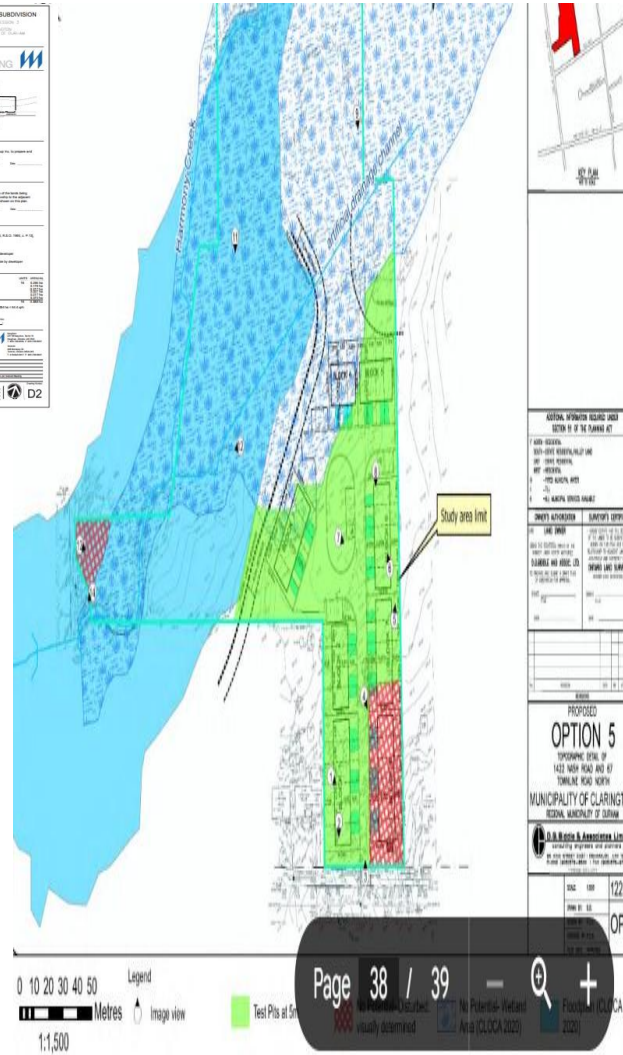
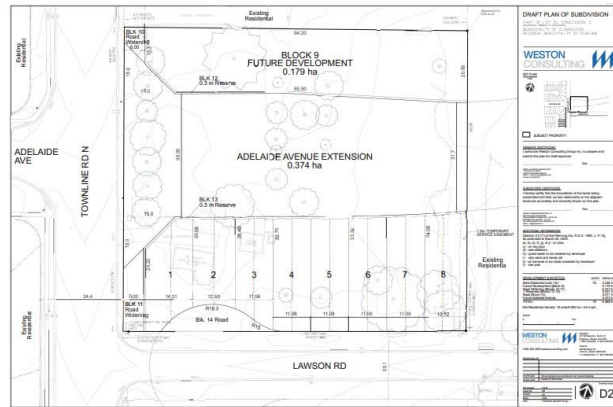
-ORM

LIB
shape of
the
watershed



361 TOWNLINE

1412 Nash Road



Strategic Plan Vision: A connected, dynamic and welcoming community, focused on the future while respecting our past. Mission: To enhance the quality of life in our community.

At these sites dense development and clearing occurred as a result of OMB or OLT.

Archeological features were not saved in surrounding areas on both sites.

Both sites, just like any other neighborhoods from the Oshawa Townline to the Green Road have the same geological and hydrological topological evaluation - stone-poor sandy silt to silty sand textured till/clay. Non-cohesive soil, called quartzite was found that that do not stick together. It may create problems as it was proven at other neighborhoods. Quartzite is a metamorphic rock that's formed when sandstone is subjected to high pressure and temperature, causing the quartz grains in the sandstone to bond together with mineral silica.

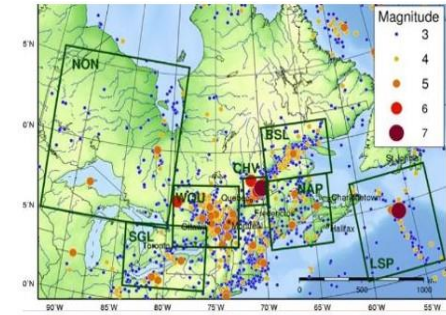
Both sites are located on so called Lake Iroquois was a lake formed at the end of the glaciation by melting glacial ice in the Lake Ontario. All studies prior development of this area didn't recommend dense development or clearing. Thick lawyer of clay below this water basin will cause flooding, pooling as we are experience it now, especially after precipitation. Clearing is causing string wind gust, and poor air conditions.

Townline study claims that drainage, dewatering will not affect Harmony Creek and ANSI that is located 175 m northeast, but 200 well water supply properties within 500 meters radius will need door to door survey in advance of, during and after construction. Nash Road development suggesting sump pumps. These are very good ideas and I hope that Council will net let people suffer by flooding basement or staying with water, if their wells loose the water.

Reports also say that Plans can be reviewed. Hopefully, these people will not have to drive to only Park in Courtice north in Hancock Neighbourhood do get some needed doily exercise.

Courtice north lies on St. Laurence fault line. Fault lines are breaks between crustal rocks. When there is movement along a fault line an earthquake occurs. Flooding, cracks in walls occurs as it already happened in this watershed of Harmony, Farewell and Black Creeks. This is very costly to repair. Please, do not let anybody suffer like I did.

1. Request that both sites provide Council with
 - a) vibration test to avoid damage to property –during and after development.
 - b) Do not allow people stay without water supply – developer’s should pay for remediation.
 - c) **Help families and their children of Hancock Neighbourhood, who do not have access to playground, or do any other physical activity. Developers around this Neighbourhood are referring to hundreds of families in their future sites to use this Park instead of new one in their new development.**
 - d) Ask the owners of these two sites to save as many trees as they can to improve our air quality, lesson the wind gust, etc. Gay company already have done that in other neighborhoods.
 - e) If there is no chance to have at least one new Park or trail within these two sites, could one of their building be offered to use for yoga classes for teenagers, adults and seniors and trampoline or something similar for kids and teenagers, so that their psyche can calm down.
 - f) Please ask our Planners to calculate cumulative impacts on groundwater within this watershed.



Solina washout



Oshawa



- <https://oshawaexpress.ca/earthquake-shakes-durham/>

- <https://www.popularmechanics.com/science/environment/a34498022/missing-tectonic-plate-resurrection-discovered-in-canada/>

- <https://brighterworld.mcmaster.ca/articles/contrary-to-popular-belief-eastern-canada-is-more-at-risk-of-earthquakes-than-perceived/>