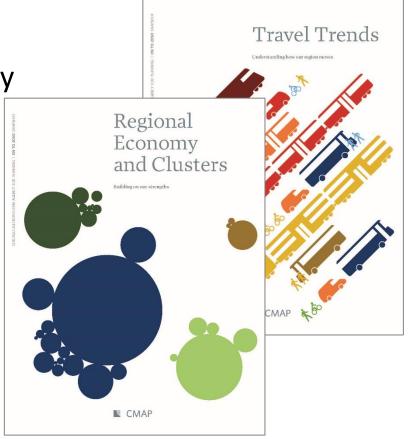
Natural Resources Snapshot

November 3, 2016

What is a snapshot report?

Data-driven existing conditions and trends analysis summarized in a brief graphical report (*italics* = complete)

- Natural resources
- Placemaking
- Local governance and tax policy
- Non-motorized transportation
- Local food
- Transit network
- Highway network
- Infill and TOD
- Freight system
- Demographics
- Travel behavior trends
- Regional economic clusters





Purpose of natural resources snapshot

- Lend existing conditions and trends background to environmental topics
- Draw upon and support other ON TO 2050 development work
- Review and update pertinent GO TO 2040 indicators



Related ON TO 2050 work

Strategy papers

- Green infrastructure
- Climate resilience
- Lands in transition
- Water
- Stormwater
- Energy

Layers

- Flood risk areas
- Conservation areas
- Climate vulnerability
- Water source protection
- Water quality
- Potential expansion areas
- Access to parks and open space



Scope

Phase 1: Understand and compile ON TO 2050 analyses already in process (Nov. – Dec. 2016)

Phase 2: Conduct new analyses for targeted topics TBD (Jan. – Mar. 2017)

Phase 3: Draft the snapshot (Apr. – Jun. 2017)



Proposed areas of exploration

Climate change

- Higher level trends, impacts, esp. on vulnerable populations;
 each subsequent section will also consider climate impacts
- Trends in factors that contribute to greenhouse gas emissions, including energy consumption and vehicle miles traveled
- Relationship between increased heat and air quality, air quality mapping, and public health impacts

Park access

Trends in park access



Proposed areas of exploration

Water resources

- Water source, supply quantity/quality constraints, and demand forecasts
- Assessment of water quality trends via impervious cover, stream impairments, and CSOs
- Wastewater
- Trends and projections in major storm events/flooding
- Identification of stormwater inundation areas; riverine flooding at a minimum, but potentially to also include urban flooding
- Cost and damage from flooding events



Proposed areas of exploration

Natural areas

- Trends in consumption of agricultural and natural lands, including isolation and fragmentation
- Biodiversity indicators habitat types, threatened and endangered species, invasive species, etc.
- Trends in land protection and identification of priority areas for conservation
- Soil composition hydric soils, agricultural soils, erosion
- Climate impact to migration patterns, hardiness zones, and crop composition



Committee engagement

CMAP Committees

- ENR is primary sounding board for this snapshot
- Land Use Committee asked for feedback at key points

Future touch points

- ENR 1/5/17: overview of findings from Phase 1
- ENR 4/6/17: review findings from Phase 2, report outline
- ENR 6/1/17: review draft snapshot



Feedback