

Climate Change Adaptation Planning Project

Year Two

The objectives of **Year Two** are as follows:

Objective 1: Conduct vulnerability, risk and adaptive capacity assessment

- Gather historical data on temperature, precipitation, extreme weather from LSRCA, MOE, MNR
- Gather projections of temperature and precipitation from Canadian Climate Change Scenarios Network, MOE, MNR, and the Great Lakes Basin
- List changes in weather from TEK results
- List existing impacts from TEK results and other community data, such as ferry details, infrastructure impacts
- *Using this information and the impacts identified in the TEK survey, run through the steps of the framework*
- Product risk chart summarizing results of assessment
- Send results to project team and advisory committee for review

Objective 2: Research, collection and translation of regional climate data for the Lake Simcoe Watershed

- Review Canadian Climate Change Scenarios Network, MOE, MNR, and the Great Lakes Basin methods
- Gather projections of temperature and precipitation from
- Create report summarizing findings for Lake Simcoe watershed
- Send report to Advisory Committee for review

Objective 3: Review western science to compare results of Lake Simcoe Vulnerability Assessments to TEK Results

- Establish review criteria for reviewing LSVA reports
- Compare and contrast: “Does VA fall into similar category of collected TEK” “description to vulnerability, coping strategies etc”
- Review Lake Simcoe Vulnerability Assessments and list vulnerabilities identified in each theme: communities and infrastructure, hydrology, aquatic habitat, natural heritage, tourism and recreation etc.
- List existing impacts/vulnerabilities from TEK results and other community data, provide description of impact/vulnerability, describe any coping strategies already in place
- Compare and contrast lake simcoe results to TEK results
- Summarize in a report, send for review

Objective 4: Public Engagement: communicate results of assessments

- Final interactive workshop, power point presentation, handouts, posters, collecting input/comments about vulnerabilities and risks

- Take workshop results and fit into results
- Summarize workshop in report

Objective 5: Incorporate climate change adaptation into subwatershed planning

- Review subwatershed plan results to date
- Define and report on where climate change considerations may be included
- Review subwatershed planning guidance document and suggest how to mainstream climate change

Roles of Project Team

- ✚ **Gary Nielsen**, Climate Change Coordinator, Ministry of Natural Resources
 - a. Sources of data
 - b. Climate Change data Project
 - c. Lake Simcoe Fisheries Unit (With Kerry-Ann)
 - d. Shoreline Stewardship and its impacts to GIFN (with Kerry-Ann)
- ✚ **David Lembke**, Manager, Environmental Science and Monitoring Lake Simcoe Region Conservation Authority
 - a. Look into “Bohr Report” (Definite spelling mistake)
 - b. Ties between “monitored” Knowledge vs. TEK
 - c. Talk to Ben Re: Sub watershed
 - d. Look into flood vulnerability mapping
- ✚ **Matthew Brill**, Aboriginal Programme Coordinator, Turtle Island Conservation
 - a. Dig up any interviews in relation to Climate Change and GIFN
 - b. Look into any information in relation to invasive species
- ✚ **Scott MacRitchie**, Senior Hydrogeologist/Climate Change Vulnerability Specialist, Environmental Monitoring and Reporting Branch, Ministry of the Environment
 - a. Look into Lake Simcoe adaptation strategy
 - b. Information on: projecting future impacts such as flooding
- ✚ **Elizabeth Stanley**, Ministry of Natural Resources
 - a. Kerry-Ann will update and discuss roles with the Lake Simcoe Fisheries unit

Advisory Committee

- Roles:
 - Meet several times throughout the year to review all information I collect
 - Help guide upcoming tasks such as the infrastructure surveys I will be conducting
 - Review interim and final report before submitting to AANDC
 - Help organize final interactive workshop
 - Offered to conduct more interviews with community members