

Attachment 1
Council Report Attachment
Lake Simcoe Region Conservation Authority
York Region – ORMCP Subwatershed Planning
2005 Mid - Year Status Update

Watershed Plan Component	Total York Region Budget	Actual York \$ Spent to date	Status of Deliverables as of June 30, 2005	Key 2005 Deliverables
Surface Flow / Base Flow Monitoring	\$20,000	\$15,000	• All gauges have been installed and will be fully operational in early 2005. Rating curves and calibration are continuing to be developed. • Base flow monitoring is ongoing for all York Region ORM subwatersheds and the collected data is presently being analyzed. • Surface flow modelling contract has been issued and underway with expected completion in March 2005. The project is completed for the West, East Holland and Maskinonge Rivers. Floodline modeling is underway for the Black River.	• Installed three gauges (Maskinonge, Kettleby and Black) and develop rating curves for all three. • Conduct spot and base flow measurements throughout the four watersheds to further collect flow data for data model calibration. • Surface flow models for the East, West and Maskinonge Rivers is complete. • All flow monitoring stations will be automated to provide near real-time data. • Geomorphic Assessment. • 2005 Monitoring Report
Water Use Assessment	\$15,000	\$10,000	• Water use surveys of permitted & non-permitted users in the York Region ORM subwatersheds are complete. • Data entry into database is complete and an analysis of information is presently underway. • GIS analysis and map products will be developed as part of the analysis and will be completed in 2005. • Water use data is presently being used in the further calibration of the West and East Holland River water budgets as well as the water budgets for the Maskinonge and Black River water budgets.	• Water use surveys of permitted & non-permitted users to estimate actual water taking. • Analysis of collected water use data and surveys will be conducted to evaluate water takings based on land use activity. • The GIS water use exercise will utilize water takings data analysis develop digital layers/information based on land use and their respective estimates of overall cumulative water use at the subwatershed scale.
Water Budgets	\$10,000	\$5,000	• Water budgets for the East and West Holland Rivers initiated in 2003 have been completed	• Complete water budgets for the Maskinonge River and further calibration existing water

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			in draft form and being calibrated with further data from the water use assessment. Water budgets for the Black River and the Maskinonge River are being developed presently and will be complete in Spring 2005.	budgets in West and East Holland and Black Rivers are completed. Ongoing data collection for calibration.
Aquatic Ecosystem & Habitat	\$25,000	\$17,000	- Fisheries inventory, benthic and habitat assessment completed. Benthic samples presently being identified. Report outlining monitoring program and results is nearing completion. - Temperature dataloggers installed and collected data through 2005. Data /results will be included in monitoring report. - Begun developing Terms of Reference for developing an Integrated Ecosystem Framework for addressing water takings and ensuring ecosystem integrity. - Currently exploring partnerships to develop the Integrated Ecosystem Framework and conduct workshop. - Exploring opportunities to link other models (groundwater, surface water) as part of overall project.	- Complete fisheries inventory, benthic and habitat assessment at reference locations and identified location gaps throughout the York Region ORMCP subwatersheds. - Temperature dataloggers are distributed throughout the York Region ORMCP subwatersheds. - Review existing ecosystem minimum flow/threshold models and undertake pilot exercise to evaluate applicability. This exercise will be tied into the ecosystem requirements workshop. - Ecosystem requirements workshop to be held to begin developing strategies, targets, concepts for maintaining present and/or better ecosystem conditions. - Begin implementing selected methodology for ensuring ecosystem requirements are determined and link to other developed surface and ground water models. 2005 Monitoring Report
Terrestrial Natural Heritage	\$25,000	\$15,000	- All ELC and land use mapping for all York Region subwatershed is complete. - Analysis of key terrestrial attributes is currently underway. - Updates to wetlands and associated boundaries are incorporated	- Complete ELC and land use maps for the West and East Holland Rivers, and Maskinonge River subwatersheds. - Complete analysis and identify key terrestrial attributes such as: significant corridors, interior forest habitat, significant large forests, etc. - Ensure the linkage to other activity areas such as surface flow assessment, geomorphology and groundwater.

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Geomorphology	\$25,000	\$15,000	• Subwatershed scale assessment of York Region ORMCP subwatersheds is underway. • Phases 1-4 are nearing completion in mid-summer.	• Subwatershed scale assessment of York Region ORMCP subwatersheds. • Detailed reporting on geomorphic condition.
Water Quality	\$200,000	\$40,000	• Watershed water quality/nutrient modeling is underway. • Water quality sampling for toxic screening and additional parameters is ongoing.	• Watershed water quality/nutrient modeling for West & East Holland and Maskinonge Rivers. • Detailed water quality and toxic screening program.
Project Management, Policy Development, Legal Review & Communications	\$40,000	\$20,000	• Project management ongoing and has been active with obtaining consulting services for select activities. • Initial development of a public process framework has occurred and discussion with York Region is forthcoming. Facilitated ORMCP open houses will be held in 2005 coordinated with York Region. • Development of concepts and ideas for communication tools has occurred. The development of an ORMCP micro-website is ongoing and the development of a Newsletter/Newspaper outlining various activities is in development.	• Project management and administration of various activities including any contracts for related services. • Public process and participation including public open houses in the four York Region ORMCP subwatersheds. This will include consultation with York Region staff • A joint LSRCA and York Region ORMCP Activities Website will be developed. • Other communication opportunities will be discussed and implemented at various times throughout the process (i.e. newsletters, press releases).