

Attachment 1

Lake Simcoe Region Conservation Authority York Region – ORMCP Subwatershed Planning 2004 Mid-Year Status Update

Watershed Plan Component	Total York Region Budget	Actual York \$ Spent to date	Status of Deliverables as of June 30th, 2004	Key 2004 Deliverables
Surface Flow / Base Flow Monitoring	\$320,000	\$100,000	• Gauge installation contract has been issued and installation has commenced • Base flow monitoring is ongoing and will continue through early fall – it has been impacted by the wet summer. • Surface flow modelling contract has been issued and underway with expected completion in December, 2004 • The North Schomberg gauge has been deemed not suitable for re-activation due to technical difficulties • Flow monitoring station automation is underway and expected to be operational in fall 2004 • Three temporary flow stations installed in the Black River to aide in calibration of Nutrient Model.	• Develop rating curves for the three newly installed gauges (Maskinonge, Tannery and Black) and provide maintenance and calibration for the three gauges. • 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 will be completed. • The North Schomberg Creek gauge will be re-activated in the West Holland River subwatershed. • All flow monitoring stations will be automated utilizing cellular phone technology to provide real-time data.
Water Use Assessment	\$45,000	\$12,000	• Water use surveys ongoing and will continue through early fall • Preliminary data entry and analysis ongoing throughout summer 2004 • GIS analysis and map products developed in fall 2004	• 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

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				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. • This information is required to support the development of aquatic ecosystem management plans and determining levels of acceptable water use from associated systems.
Water Budgets	\$60,000	\$30,000	• Water budgets for the East and West Holland Rivers initiated in 2003 have been completed in draft form • Proposal for undertaking water budget for Maskinonge River and Black River update underway	• Complete water budgets for the Maskinonge River and further calibration existing water budgets in West and East Holland and Black Rivers where required.
Aquatic Ecosystem & Habitat	\$50,000	\$17,500	• Fisheries inventory, benthic and habitat assessment ongoing through late fall 2004. • Temperature dataloggers installed and collecting data through late fall 2004. • 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

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				methodology for ensuring ecosystem requirements are determined and link to other developed surface and ground water models.
Terrestrial Natural Heritage	\$45,000	\$38,000	• All ELC and land use mapping for all York Region subwatershed is complete. • Analysis will begin in fall of 2004.	• 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. • Undertake relative ranking evaluation for all four York Region ORMCP subwatersheds Ensure the linkage to other activity areas such as surface flow assessment, geomorphology and groundwater.
Geomorphology	\$25,000	\$2,500	• Review of methodologies completed and preferred selected. • Subwatershed scale geomorphic assessment for the Black River underway with completion in late fall 2004.	• Review existing subwatershed scale geomorphic evaluation methodologies and select one for a pilot project. • Initiate and complete fluvial geomorphic pilot project on Black River subwatershed as the surface water flow model and other components have been completed for the Black River.
Water Quality	\$0	\$0	• Water sampling in the Black River is ongoing with completion with further calibration of model to occur in fall 2004. • Water quality sampling for toxic screening and additional parameters ongoing and will continue through fall. Some sampling is storm event based.	• Collect water samples from the Black River Watershed to calibrate the Water Quality / Nutrient Model. • Collect water samples across York Region ORMCP watersheds for initial toxic screening assessment. • Increase analysis of water samples collected at LSEMS and PWQMN sites in York Region ORMCP watersheds to

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				provide additional data on other parameters (i.e. chlorides, ongoing). Note: These activities being funded out of partial 2003 committed funding.
Project Management, Policy Development, Legal Review & Communications	\$55,000	\$18,000	• 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 late fall 2004. • Development of concepts and ideas for communication tools will be occurring in late summer/early fall. This may include development of a newsletter, website, brochure or other related material.	• 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).
West Holland State of the Watershed			• State of the Watershed Report development and production currently underway. • Scheduled for completion in fall of 2004 and to be released as part of the ORMCP open houses.	• Development and completion of a State of the Watershed Report for the West Holland River. • This project was commenced prior to the onset of the ORMCP and is being produced as a stand-alone document.