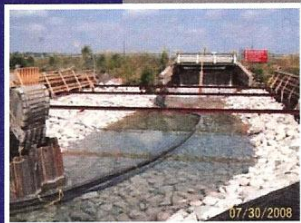




THANK YOU TO ALL OUR CUSTOMERS FOR YOUR BUSINESS IN 2009



A DIVISION OF TULLOCH

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2009 ANNUAL NEWSLETTER

LANDFILLS

UPSULA AND CONACHER LANDFILL CAPACITY STUDIES

GLES was retained by Wagner Ontario Forest Management Ltd to undertake capacity studies on two MNR landfill sites in support of their application for cottage subdivisions. The work involved conducting on site test pitting and surveying to allow existing quantities to be calculated.

DESBARATS LANDFILL SAMPLING

GLES conducted surface and ground water sampling at the Desbarats Landfill as part of the annual monitoring requirements for the site.

MOOSONEE LANDFILL EXPANSION

GLES continued to provide advisory services to complete a Class Environmental Assessment for the expansion of the Moosonee Landfill. The EA was submitted for public review in late 2009.

HYDROLOGY AND HYDRAULICS

HUNTSVILLE PTTW

GLES submitted the necessary technical information and application forms to obtain two Permits to Take Water to divert flow around the construction of culvert replacements on Highways 124 and 141. Both permits were successfully obtained.

IGNACE HIGHWAY PTTW

GLES submitted the necessary technical information and application forms to obtain a Permit to Take Water to remove water from numerous lake and river sources for compaction and dust suppression during this surface treatment project on Highway 599 near Ignace.

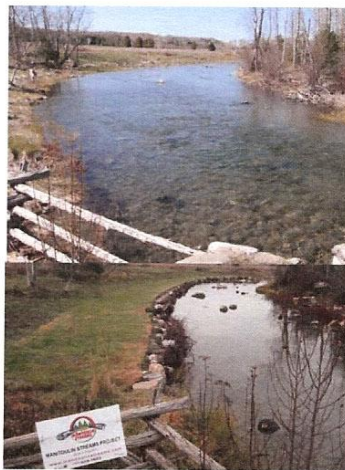
UPSULA STORMWATER MANAGEMENT PLAN

GLES prepared a Stormwater Management Plan in support of the development of three seasonal residential subdivisions on Upper and Lower Peterkin and Orioles Lakes.

FISH HABITAT RESTORATION

M35 WAHL

GLES designed and supervised the installation of fish habitat rehabilitation measures along an approximately 1km long section of the lower Manitou River. Works included the installation of a new bank to narrow and deepen the river complete with root wads, bank placed boulders and riparian vegetation. Vortex weirs and lunkers were also installed.



M63 BILL CASE

GLES designed and supervised the installation of fish habitat rehabilitation measures along an approximately 400m section of the Manitou River. The work involved excavation of several bedrock pools, installation of two vortex weirs and the upgrading of a cattle watering area complete with a new root wad/boulder bank.



MINDEMOYA RIVER STUDY

GLES was retained by Manitoulin Streams to prepare a Rehabilitation and Enhancement Strategy for the Mindemoya River. The study identified all potential sites to be rehabilitated and enhanced with respect to fish habitat. GLES also provided generic enhancement solutions and budget costs to complete the work. This document will be used to guide future restoration efforts on the Mindemoya River.

CENTIS TILE JUNCTION CREEK

GLES was retained by the Junction Creek Stewardship Committee to prepare a design to reduce erosion and improve fish habitat along an eroding bend on Junction Creek in the City of Sudbury.

M64

Manitoulin Streams retained GLES to prepare a design to enhance fish habitat at this approximately 300m long reach on the Manitou River. The design involved excavated holding pools and associated spawning beds, W Weirs, a spawning flume and upgrades to an existing cattle watering area. GLES had recently completed the MNR Class EA to allow work on this river to be undertaken.

M65

GLES designed fish habitat restoration works (excavated spawning pools, single wing deflectors, boulder clusters, ford) on behalf of Manitoulin Streams along this 400m long portion of the Manitou River on Manitoulin Island. GLES had previously prepared the Strategic Plan to guide all work on this river.



MCINTYRE RIVER

GLES was retained by the Department of Fisheries and Oceans to review the rehabilitation design for this eroding bank along the McIntyre River in Thunder Bay. GLES provided input on typical fish habitat restoration and stabilization techniques.

MIN 302, 304 AND 306

Manitoulin Streams hired GLES to undertake the design and contract administration for 3 sites along the Mindemoya River. GLES had previously undertaken the necessary MNR Class EA to allow the work to proceed and had developed a Strategic Plan to guide the overall work on this river.



ESPANOLA GOLF COURSE REHABILITATION

GLES provided volunteer design services to rehabilitate a brook trout stream located along the Espanola Golf Course. The rehabilitation work was undertaken by volunteers over several years.



HIGHWAY ENVIRONMENTAL ASSESSMENTS

HIGHWAY 11/17 AT KAKABEKA FALLS

GLES was retained by TBT Engineering to provide environmental services on this MTO highway design project. Responsibilities included a field assessment of fisheries as well as the preparation of an impact assessment report and Class EA documentation.



HIGHWAY 11/17 THUNDER BAY FOUR LANES

GLES was retained by ENL to review all environmental aspects (terrestrial and aquatic) for this 14km section of new four lane Highway 17 near Thunder Bay. Fisheries and terrestrial ecosystem existing conditions and impact assessment reports were prepared along with the necessary HADD/No HADD forms under the MTO/MNR/DFO Protocol.



MUNICIPAL ENVIRONMENTAL ASSESSMENTS

NORTH BAY SPORTS COMPLEX

GLES was retained by the City of North Bay to conduct a natural environment inventory for a parcel of land to be developed into a multi use sports complex. The study included defining Species at Risk Habitat and developing mitigation strategies to protect the identified habitat.

ELLIOT LAKE SUBDIVISION

A developer hired GLES to conduct a terrestrial and aquatic assessment on a parcel of land to be developed into a subdivision. A detailed report was prepared outlining all results of the investigation as well as proposed mitigation measures.

PITS AND QUARRIES

CARLYLE QUARRY

GLES conducted a Natural Environment Level 1 study for a quarry development on behalf of Carlyle Construction. The project involved field investigations to gather information on existing natural features and a screening to determine the presence of significant habitat.

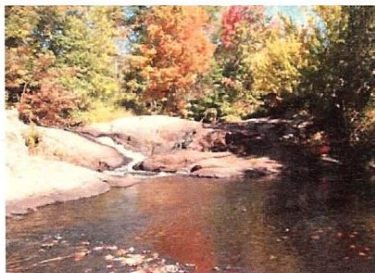


PRECEPA QUARRY

A Natural Environment Level 1 investigation was undertaken in support of a proposed quarry development. The project involved field investigations, a review of available background information, liaison with MNR and preparation of a summary report.

PALMER PIT LEVEL 2

GLES was retained by Palmer Paving to conduct a Natural Environment Level 2 study for a pit and quarry development near Sault Ste. Marie. Detailed mitigation plans were developed to protect the sensitive features identified during the Level 1 study (also completed by GLES).



GILBERTSON PITS SAR REVIEW

Gilbertson Enterprises retained GLES to complete a review of all of their active pits and quarries for compliance with the Species at Risk Act. GLES completed the screening and negotiated mitigation measures with MNR.

CARPIN BEACH ROAD PIT LEVEL 1 AND 2

GLES completed Natural Environment Level 1 and 2 studies for Palmer Paving, which were required for the development of a pit and quarry operation north of Sault Ste. Marie. Field investigations, assembly of background information and liaison with MNR and DFO were all required.



REGULATORY APPROVALS

AVERY BIOMASS

GLES was retained by Avery Construction to apply for an Application for Approval of Hauled Sewage, Sewage Biosolids and Other Wastes to allow the rehabilitation of two sites disturbed during the construction of the Prince Wind Farm Project.



AVERY OIL/WATER SEPARATOR

GLES submitted an application for a Certificate of Approval for Industrial Sewage Works for an oil/water separator installed at the contractor's yard. The work included development of an Aquatic Impact Study on the receiving stream.

PETERKIN AND ORIOLE LAKES SEPTIC STUDY

GLES conducted a field study on behalf of Wagner Ontario Forest Management Ltd to determine the feasibility of installing septic beds on 135 proposed cottage lots near Thunder Bay. GLES directed test pitting on each lot and prepared a summary report on the findings.

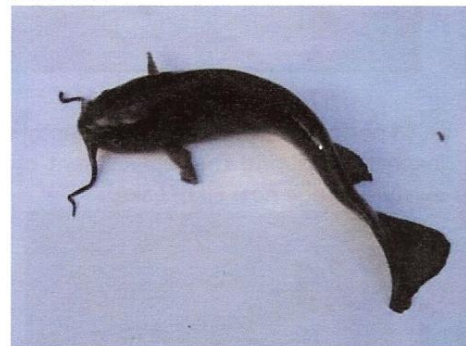
POTOMAC RIVER CULVERT

Tulloch Engineering retained GLES to obtain all necessary regulatory approvals (MNR, DFO, Transport Canada) as part of the construction of a new culvert across the Potomac River near Blind River. As part of the work, a detailed fisheries assessment was completed out at the site.



CANADORE COLLEGE PARRY SOUND

GLES worked with JL Richards to obtain regulatory approvals to construct a new college building in Parry Sound. As part of the work GLES conducted a survey of the entire property to be developed and prepared an environmental construction strategy to protect identified values. GLES will also conduct a wetland evaluation, Blanding's Turtle assessment, spring breeding bird survey and a spring amphibian assessment as part of the work.



CONSTRUCTION MONITORING AND INSPECTIONS

HIGHWAY 63 NORTH BAY

GLES provided routine environmental inspection services during the reconstruction of a portion of Highway 63 near North Bay. The work involved weekly site inspections and reporting and the review of contractor's proposal regarding environmental protection measures.

EAGLE RIVER BRIDGE BIRD SURVEY

GLES was asked to visit the site of this bridge construction by Hatch Mott MacDonald to determine whether the bird nests present could be relocated. GLES successfully obtained a permit from the Canadian Wildlife Service to relocate the nests and allow construction to proceed.

BURNTWOOD CREEK CULVERT

Morin Construction retained GLES to provide all environmental inspection and reporting services required by MTO on this culvert replacement project. GLES fulfilled all inspection and reporting duties and provided Morin with environmental advice. The project was successfully completed.



WAWA CULVERTS

GLES was retained by Tulloch Engineering to perform routine environmental site inspections during the replacement of a culvert on a coldwater stream near Wawa.



LITTLE WHITE RIVER BRIDGE

GLES performed routine environmental site inspections during the replacement of an existing bridge near Elliot Lake.



NOBEL INSPECTIONS

GLES was asked to provide an inspection of a new section of Highway 11 four laning near Parry Sound to determine whether it was in compliance with all regulatory and environmental contract requirements. GLES conducted a detailed inspection and prepared a summary report.

WAHNAPITAE RIVER WALLEYE SPAWNING BED

GLES finalized the conceptual design of a walleye spawning bed and then supervised its installation.



PAGWACHUAN AND KABINA BRIDGES

Tulloch Engineering retained GLES to provide routine environmental inspection and reporting services during the replacement of two bridges on Highway 11. The work also involved supervising the installation of fish habitat that had been authorized by DFO.



MINDEMOYA BRIDGE

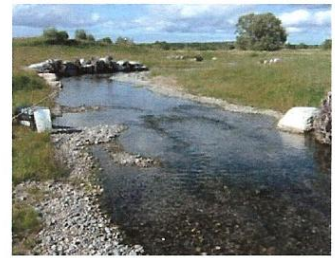
GLES conducted routine environmental site inspections during the construction of a new bridge and dam at the outlet of Mindemoya Lake on Manitoulin Island. GLES also designed and supervised the installation of a vortex weir on this project.



FISHERIES STUDIES

BLUE JAY CREEK SITE B52 SHOCKING

GLES was retained by Manitoulin Streams to conduct an electroshocking survey on a recently constructed section of Blue Jay Creek in order to determine the relative abundance of fish species post rehabilitation. GLES had previously designed and supervised the installation of the new stream reach which was successful in establishing the spawning and early rearing of rainbow trout and salmon.



DIANOR BROOK TROUT MONITORING

Dianor Resources hired GLES to conduct pre and post development monitoring of brook trout hatching success as part of a bulk sampling program which included the excavation of several declines into the water table. GLES developed fry traps and monitored the spawning, incubation temperatures and hatch at several identified spawning sites.



VERMILION RIVER WALLEYE SPAWNING

GLES was retained by the MNR to prepare rating curves for three sites along the Vermilion River. The project included pebble counts, fish habitat mapping and the identification of suitable walleye spawning habitat. GLES also commented on the impact of various flow regimes on the identified walleye spawning habitat. GLES had previously completed a similar study on the Spanish River.



LITTLE CURRENT MONITORING

The Town of Northeastern Manitoulin and the Islands retained GLES to conduct two years of annual monitoring that was required by a DFO Authorization as part of improvements to the shoreline along the Town of Little Current. The study involved determining whether the compensation measures installed were being utilized by local warmwater species.

