

TIME LINE FOR ENVIRONMENTAL EFFORTS @ SYLVAN LAKE

LEGEND: SMC= Stormwater Mgt. Commission
WDO= Watershed District Ordinance
AES= Applied Ecological Services
FTHD= Fremont Township Highway Dept.
CLA= Countryside Lake Association
I EPA= Illinois Environmental Protection Agency
I CWP= Indian Creek Watershed Project
DNR= Dept. of Natural Resources

The beginning dates are estimates due to lack of time to actually look back at the minutes for precise times.

1991: President Rich Mirock proves to CLA that they are responsible for heavy sedimentation in Maple Park as a result of new construction in Countryside Oaks. Their contractor brings in a back, bob cats to remove the silt from our bay.

1992: Rich begins researching erosion control measures, other developments that may impact our lake, and as a result investigates the Cherry Hill Plaza strip mall and attends numerous Hawthorn Woods Village meetings to gain knowledge of their intentions and how they will enforce erosion control measures. At the same time Stormwater Management of Lake County is funded, formed and becomes our advocate in this situation because of the potential negative effects this mall could have on our water quality. (Impervious surfaces, vs. where plant life had existed)

1997: Rich hires Fraunhofer Civil Engineers to create topographic maps of Ravinia & Maple Parks and their tributaries. Fee is approx. \$5,000.00

1998: Jeri Swanson attends a streambank stabilization seminar held at Citizens for Conservation in Barrington. This group received grant \$\$ to re-hab Flint Creek. It had been used as a dump. AES is their contractor/designer. Jeri asks AES for an estimate to re-hab Maple & Ravina Parks. This estimate generated the "Homeowner's Guide to Restoration" that has been used many times to apply for grants. It contains plans for floodplain restoration. Streambank resto, upland re-hab and shoreline stabilization techniques. There was no charge for this as we already had the topo drawings. (and they wanted the work..)

Dec 1998: Aes helps us apply for a US Fish & Wildlife Grant to restore Ravinia in the amount of \$93,450.00. SMC would match \$14,750, the topo fee could be used as match, and the grant would provide \$62,000. and the remainder would come from volunteer hours and cash from SLIA and AES pledged match in the form of further engineering.
This grant was denied.

Jan 2000: Applied for a C2000, a DNR grant that focuses on “on the ground” projects, grading, plantings. Total project: \$22,500.00, requested \$9,000.00 in funds and match from SMC, FTHD=\$6,000.00, remainder in volunteer hours and cash from SLIA.
This grant was denied.

May 2000: SMC, WDO Grant: total amount \$12,000.00 to stabilize drainage from Cherry Hill Plaza and Gilmer Road run-off. Re-grade area under culvert, install rip-rap under existing culvert (runs under So. Sylvan from Cherry Hill and into Ravinia Park creekbed). Thin out canopy over this area and area over creekbed that runs from Gilmer Rd. Install riffles in creekbed to slow flow and collect sediment.

This grant was awarded: \$2,275.00 in volunteer hours
3,000.00 SMC share of \$\$
2,000.00 SMC share of engineering hours
3,000.00 FTHD cash & labor
1,725.00 SLIA cash
\$12,000.00 total

May 2001: SMC WDO Grant: \$14,500.00 to remove failed RR ties in Ravinia Park and stop shoreline erosion to help curb sedimentation in the bay. Re-grade 350’ shoreline, install erosion blanket and cover with stone. Install native species, deep rooted vegetation behind rock and into flood plain. 16 Girl Scouts volunteered to remove mowed Reed Canary Grass in bottom flood plain area.

This grant was awarded: \$7,250.00 SMC share of \$\$
1,200.00 SMC Engineering hours
800.00 Girl Scouts hours & SLIA volunteers
5,250.00 SLIA \$\$
\$14,500.00

Feb. 2002: Applied for C2000 grant as a group entity with Indian Creek Watershed, Diamond Lake and Countryside Lake to install native plants at these -3- locations. Amount was \$10,000.00, no match would have been required in cash from SLIA, only volunteer hours to install them at Indian Creek Park.

This grant was denied.

Winter 2002: Maple Park Restoration IEPA 319 Non Point Source Pollution.

Total for this project that we know of, was considerably larger, but absorbed by FTHD: \$150,000.00 SMC provided the match to FTHD's re-building the culvert under Deadman's Curve, widening No. Sylvan, replacing guard rail. The direction of the flow was changed to insure that it would no longer slam into the side of the creek, but rather flow thru the center. AES, the general contractor for this project removed buckthorn, thinned the canopy, stabilized the streambank with fascines and plantings. They re-graded the floodplain, seeded and installed plant plugs along the streambank. While machinery was in the park, we contracted with them to dredge the bay, and place the spoils upland where it was seeded. The following fall SLIA planted more donated plugs from ICWP.

NO FUNDS WERE DISPURSED FOR THIS GRANT, only the dredge, which was taken from the Lake Escrow, approximately \$5,000.00

This grant was awarded.

Oct. 2003: After the Annual Meeting where the Powells's once again expressed concern of a drainage problem at Juneau Terrace, re-hab began there to remove dead trees, buckthorn and broken concrete steps. FTHD assisted with a design from resident Mark Anderson to install manholes/catch basins to slow the run-off and catch sedimentation. These devices can also be cleaned out. Former road drainage work diverted too much water to this area resulting in severe erosion & sedimentation into the lake.

While this work was being performed by JMK Landworks, they also removed RR ties and re-graded the shoreline, installed erosion blanket with stone on top.

FTHD also provided rough materials in the amount of about \$6,000.00, the remainder was paid by Erosion escrow/Park & Easements/ and Lake Funds, totaling approximately \$15,000.00. Native plant plugs were donated by ICWP and installed by Betty Nieses. Brill Grinnell suggested we apply for the Lake County Drainage Fund, as they are easy to obtain. We did so, but since the project had already started, we were denied. If awarded, this amount would have been about \$3,000.00 (their limit of award).

May 2004: While neighbors at Briar Terrace were improving their foundation, and heavy machinery was being used, we hired JMK Landworks to remove RR ties at Briar Terrace, re-grade the shoreline, install erosion blanket and install stone on top. A large Box Elder tree was also removed. Cost for this was \$2,000.00. Funding came from Lake Funds and Parks/Easements. No grant was applied for.

Summer 2004: Resident Sandy Paklidenaz volunteers and is trained by Ecowatch/Riverwatch to collect water specimens and analyze for insect/larvae, taken from Maple Park Creek. This creek originates from a detention pond in Countryside Oaks.

Specimen results are sent to Ecowatch and yearly readings are done at the precise spot that she chose.

April 2005: SLIA purchases a dissolved oxygen reader to monitor the aeration system that was also rehabbed in the summer of '05. Weighted line was installed, replacing the old line held in place with bricks.

June 2005: The "LEAP" Grant is applied for and received from Illinois IEPA. This grant is for the purpose of teaching. We form an Environmental Kids Group to teach them about the lake, it's surroundings in order to receive partial reimbursement for the dissolved oxygen reader. \$500.00 is approved for reimbursement.

July 2005: Kids Enviro group tours our parks, the lake, and neighboring Countryside Lake to learn differences. Sandy Paklidenaz teaches the kids about Riverwatch, they also collect samples to analyze.

Currently: Ravinia Park & Indian Creek Park/Spillway IEPA 319 Non Point Source Pollution Grant: \$275,000.00, FTHD provide the match required in the amount of \$99,000.00, SLIA pays \$12,000.00 in cash and \$4,000.00 in volunteer work. Volunteer work began in spring of 2005 to remove fallen trees from Ravina Park, remove buckthorn, and the same for Indian Creek Park. ¼ of volunteer hours have already been met for this project. Engineering work has not been approved by Army Corp of Engineers, so permitting has not been approved. Work should begin by next spring.