

Arcadia-Pierport Watershed Plan

Minutes from the Leadership Team meeting of August 13, 2014

Location: Pleasant Valley Community Center in Arcadia, 11am to 1pm

Attendees: Sharon Goble and Sam Catanese (Co-chairs), Don Oswell, Chris Sullivan (GTRLC), Mary Reed, Deanna Drazz, Dick and Sandy Landbeck, Joe Frederick, Brad Hopwood, Judith Burkhead-Weiner, Davita Burkhead-Weiner, Jack Harris, Dan Mays (LRBOI), Susan Spencer (Manistee Conservation District), Bill Beck, John Steben, Stephanie Ogren (LRBOI), Bronson Clyne (LRBOI), Mark Sohlden (Manistee County Road Commission)

Agenda: 1) Welcome and Introductions

- 2) Library Kiosk Project update-Deanna Drazz, Arcadia Branch Library
- 3) Fieldwork Presentation, Dan Mays, LRBOI
- 4) Glovers Lake Road Construction Project, Mark Sohlden
- 5) LRBOI 319 Certification plans
- 6) LRBOI Sturgeon release
- 7) Stormwater, Asset Management and Wastewater (SAW) Grant update
- 8) Survey update
- 9) Watershed Posters-Placement recommendations

Discussion:

- 1) Welcome and introductions-20 attendees today!
- 2) Deanna provided an update on the Library Watershed Kiosk project. \$1,000 in funding was provided by the Manistee County Selma Johnson Memorial Fund to purchase the kiosk and pay for materials, printing and books for the Arcadia Branch Library. Once materials are received they must be catalogued by the main library in Manistee, after which the materials will be delivered to the Arcadia Branch Library and shelved. A large map of the watershed has been sent from Beckett&Raeder. Most of the materials are expected to be on the shelves by fall, after which there will be a media release and small ceremony. Deanna has already been contacted by the Frankfort Library expressing interest in the project. She presented a list of items that are still needed and asked for input and help for addressing additional information gaps (for example trail maps are still needed). Deanna gave a brief tour of the kiosk project to attendees while Dan Mays set up his power point presentation.
- 3) Dan Mays, Fisheries Biologist, presented a PowerPoint presentation covering 4 years of fieldwork that LRBOI conducted both on the Bowens Creek upper and lower watersheds. The Arcadia Marsh is part of the lower Bowens Creek Watershed and LRBOI has played an important role in measuring the biological response to the Arcadia Marsh Restoration project. In the upper watershed, 7 culverts were replaced, and LRBOI monitored 3 streams (Alkire Creek, Ware Creek and Hull Creek) for changes, and used Toohay Creek as the control. In the upper watershed, the culvert replacements generally resulted in a favorable biological response, in particular increased numbers of trout and salmon populations. The Marsh restoration involved removing about a 4000 foot straightened channel and replacing it

with the original 7500 foot stream meander through the 420 acre wetland. Fish populations shifted here as well to more trout species, although the aquatic insect and other Macroinvertebrates are taking longer to recover. Dan and Stephanie agreed to provide the PowerPoint for upload to the Arcadie-Pierport Watershed sometime after they complete their office move.

- 4) Mark Sohlden, Manager of the Manistee County Road Commission brought a number of handouts regarding the Glovers Lake Road Construction project. Mark said the \$800,000 project was funded through the State Roads and risk Reserve and local funding and will resurface 2.76 miles of road from M-22 to approximately 900 feet East of Zilch Road. The project will include a hot mix asphalt base crushing and shaping, with trenching and and minor base widening to 30 feet wide, including 2-11 foot wide lanes with 3 inches of new black top, 2-3 foot partially paved shoulders, and and the rest gravel shoulder. There will be some re-contouring to correct elevation at curves. Two culverts will be replaced and several guard rail sections will be installed. The project is targeted to begin September 1st, and last through October 25th. one lane of travel will remain open with traffic regulators maintaining traffic flow.
- 5) Stephanie Ogren discussed the LRBOI intent to seek 319 program certification from the federal government as a neighboring watershed. Any waterbody that the the Tribe owns property on can be included in the watershed plan. The Tribe did not include water bodies in the Arcadia Watershed, however lawyers at the federal level are discussing the possibility to include it. So far, Bear Creek, the Little Manistee and the Big Manistee water bodies are included. There is a separate pot of funding from which the tribe can seek competitive grants. It is a 2 year process and the LRBOI is 1.5 years into it. The plan will be coming out soon for a 60 day window for public comment. Stephanie will share the document when it is completed in about 6 months.
- 6) Stephanie also reported that on September 13, 2014 from pm to 3pm the LRBOI is inviting the public to join them at Rainbow Bend Manistee River Access Site off of River Road for the release of young sturgeon into the Big Manistee River. Other activities at this event will include a tour of the portable stream side rearing facility for Lake Sturgeon, children's activities, give-a-way items and a community celebration of bringing the sturgeon back to the watershed. More details can be found at <https://www.lrboi-nsn.gov/index.php/lake-sturgeon-program>.
- 7) Sharon reported that Arcadia Township is on track to receive funding from the SAW grant program administered by the Michigan Department of Environmental Quality. Notices of Grant Awards were expected to be sent out the following week to recipients, with the grant to be funded sometime in January or February of 2015. It's not clear yet if the state has approved the full \$183,000 that was applied for.
- 8) Sharon also provided an update on the number of survey respondents to date. A newsletter announcing the watershed planning effort and requesting participation in the survey was sent in July to about 900 property owners in the watershed. Only about 18 people have taken the survey so far. There was some discussion that a number of people did not receive the newsletter. Apparently the age of the property owner address list was a factor. Brad asked for a copy of the newsletter, and it was agreed to send it out to the watershed e-mail

list. Sharon indicated that John was sending a number of newsletter posters to place in the community to encourage more survey participation.

- 9) Lastly there was discussion about venues to place the posters, including the Manistee Conservation District Office, at GTRLC trail heads (st. Pierre, Bluffs, and the Marsh trails), the Arcadia Post Office, Arcadia's Ice House Ice Cream Shoppe, at various beaches (Pierport, Arcadia and Portage Lake) and at Saddle Up.

The meeting adjourned about 12:35pm .

Handouts included:

- 1) from Deanna Drazes presentation

Jackpine Printing for Manistee County Library—Arcadia Branch

All materials were provided by source organization on their website (as PDF files) for public use.

SOURCE	TITLE	Color Pages (1 side)	Black & White pages	Binding?	Cost
All color-3 hole punch					
Tip of the Mitt Watershed Council	Living with the Lakes---	16		3 hole Punch	
Tip of the Mitt Watershed Council	Why Storm Water Matters	4		3 hole Punch	
Tip of the Mitt Watershed Council	Sensible Shoreline Development for Homeowners	4		3 hole Punch	
Tip of the Mitt Watershed Council	The Water's Edge	12		3 hole Punch	
All color-Plastic binding					
Tip of the Mitt Watershed Council	A Field Guide to Invasive Plants TM	58		Plastic bind	
Tip of the Mitt Watershed Council	Protecting MI wetlands-A guide for local govt	68		Plastic bind	
Cover page COLOR—the rest of the pages B & W					
Tip of the Mitt Watershed Council	Planning for Success—Guide to Conservation and Planning	1 (cover page only)	39	3 hole Punch	
Tip of the Mitt Watershed Council	Michigan Wetlands—Yours to Protect	1 (cover page only)	287 double-sided	Plastic bind	
All B & W—3 hole punch					
MI Dept. of Environmental Quality	Brown Water Green Weeds		4 double-sided	3 hole Punch	
MI Dept. of Environmental Quality	Impact of De-icers		3 double-sided	3 hole Punch	
MI Dept. of Environmental Quality	Art of Watershed Management		11 double-sided	3 hole Punch	
All B & W—Plastic Binding					
Tip of the Mitt Watershed Council	Living with Michigan Wetlands		142 double-sided	Plastic bind	
Tip of the Mitt Watershed Council	Shoreline Erosion—Guide for Property Owners (112b)		112 double-sided	Plastic bind	
MI Dept. of Environmental Quality	Landscaping for Water Quality	44		Plastic bind	
Michigan State University	Between Land and Lake	98		Plastic bind	

Requested materials for the Arcadia Watershed Kiosk
Funded by the Selma Johnson Trust

Materials available from Amazon.com

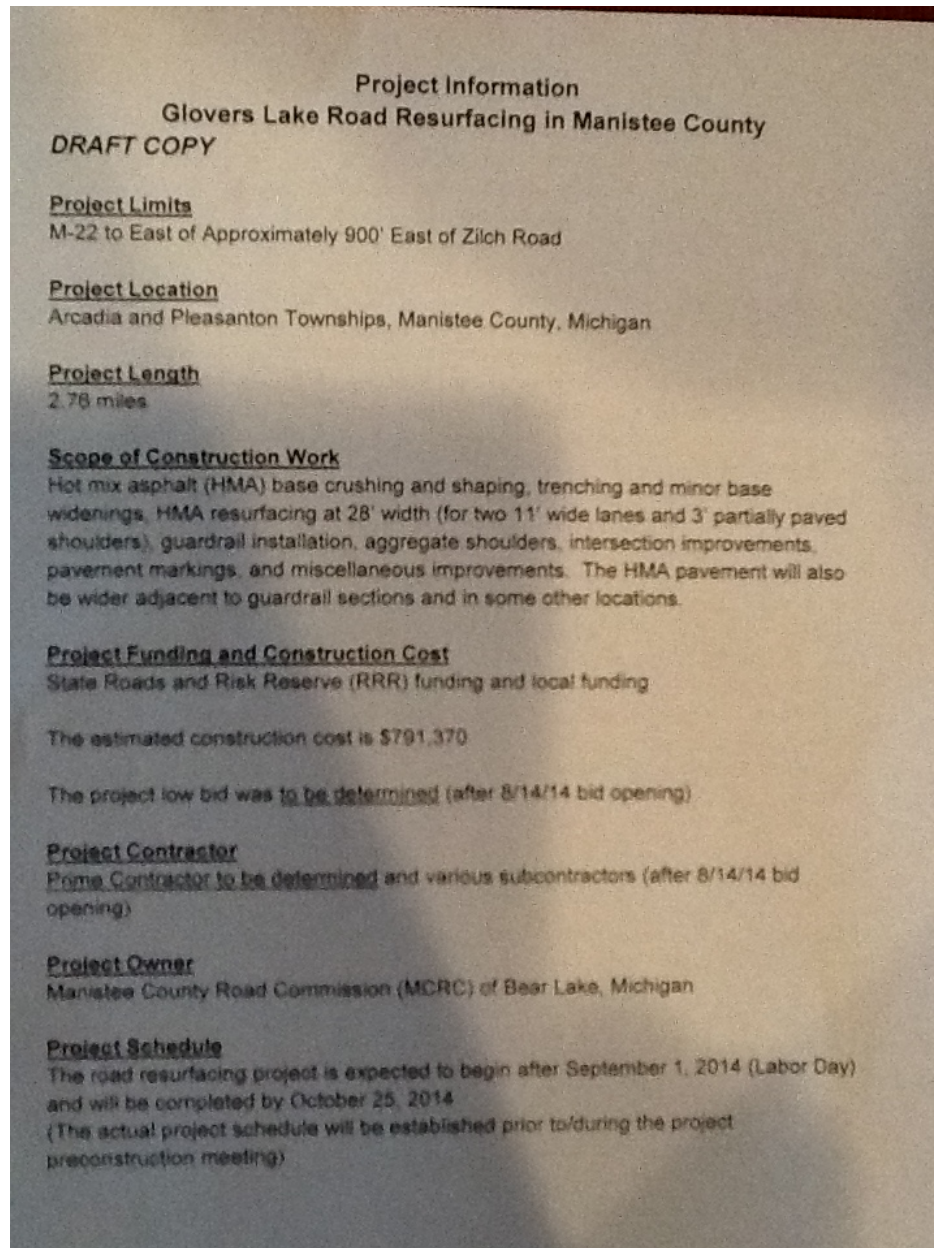
Title	Author	Copyright	Price
Wetland Ecology: Principles & Conservation	Cambridge Univ. Press	2010	\$70.30
In Search of Swampland	Ralph Tiner	2005	\$29.66
Wetland Plants of Michigan: A Complete Guide to Wetland and Aquatic Plants of the Great Lakes State.	Steve Chadde	2012	\$25.02
A Great Lakes Wetland Flora	Steve Chadde	2012	\$33.26
The Biology of Freshwater Wetlands	Arnold van der Valk	2012 Oxford Univ Press	\$40.63
Take a Wetlands Walk	Jane Kirkland	2008	\$8.95
America's Wetlands: Guide to Plants and Animals	Marianne Wallace	2004	\$10.35
Wetland Indicators: A Guide to Wetland Identification, Delineation, Classification & Mapping	Ralph W. Tiner	1999 CRC Press	\$119.72
Wetland Habitats of North America: Ecology & Conservation Concerns	Andrew Baldwin	2012 The Stephen Bechtel Fund	\$110.45
Raingardens: Sustainable Landscaping for a Beautiful Yard and a Healthy World	Lynn Steiner and Robert Dorn	2012	\$18.28
Creating Raingardens: Capturing the Rain for Your Own Water Efficient Garden	Cleo Woelfle-Erskine	2012	\$18.84
Beautiful No-Mow Gardens	Evelyn Hadden	2012	\$18.71
Watersheds: A Practical Handbook for Healthy Water	Clive Dobson & Gregor Beck	1999 Firefly Books	\$14.72
Watershed Adventures of a Water Bottle	Jennifer Chambers	2013	\$7.19
Wetlands	William Mitsch & James Gosselink	2007 John Wiley & Sons	\$59.77
A Naturalists Guide to Wetland Plants	Donald Cox & Shirley Peron	2001 Syracuse Univ Press	\$16.69
A Handbook for Stream Enhancement & Stewardship	Isaak Walton League	2006 Isaak Walton League of America	\$31.96
Trout are Made of Trees	April Pully Sayre	2008	\$6.25

What a Trout Sees	Geoff Mueller	2013	\$19.49
Rivers of Restoration: Trout Unlimited's First 50 Years of Conservation	Trout Unlimited	2008 Trout Unlimited	\$36.00
The Sustainable Sites Handbook	Meg Calkins	2012	\$82.35
Building Soils Naturally	Phil Natua	2012	\$16.50

Materials available from Michigan Sea Grant Program

Title	Author	Copyright	Price
Guide to Great Lakes Fishes (MISHU-10-500)	Gerald Smith	Michigan Sea Grant Program	\$24.95
The Life of the Lakes: A Guide to the Great Lakes Fishery (MICHU-12-501)	Brandon Schroeder	Michigan Sea Grant Program	\$18.95
Michigan Trees: A Guide to the Trees of the Great Lakes Region	Burton Barnes & Warren Wagner	Univ of Michigan Press	\$19.95
Great Lakes Coastal Plants	Ellen Weatherbee	Michigan Sea Grant Program	\$20.75
Field Manual of Michigan Flora	Edward Voss & Anton Renicek	Michigan Sea Grant Program	\$25.00

2) From Mark Sohlden's presentation (larger maps were shared but didn't photograph well for electronic sharing)



Project Information

Glovers Lake Road Resurfacing in Manistee County

MCRC forces will be working on the site before the road resurfacing project and will replace some existing cross road culverts and driveway culverts, perform some maintenance ditching, and other miscellaneous work.

Maintaining Traffic

One lane of traffic will be maintained at all times during the construction of the resurfacing project using traffic regulators and construction signing. Access to residential and commercial drives will be maintained at all times with minimal disruption. Emergency vehicle access to and through the site will be maintained at all times, and both lanes will be open to traffic at night and at other times when construction is not being performed.

Note: The project site should be avoided when possible due to traffic delays that are expected with a project of this type.

The MCRC will be closing Glovers Lake Road to thru traffic between M-22 and St. Pierre Road (North) during the day to allow for the replacement of two (2) cross road culverts. Traffic will be detoured north to Norman Road via M-22 and St. Pierre Road utilizing detour signing and barricading.

Both lanes of local traffic will be maintained at all times except for road closures located immediately at the culvert replacement sites. Access to residential and commercial drives will be maintained at all times during the culvert replacement work with minimal disruption. Both lanes of Glovers Lake Road will be open at night and at other times when the MCRC is not working.

Questions

Contact Mark Schiden, Manager at the MCRC at the telephone number shown below.

Prepared By:

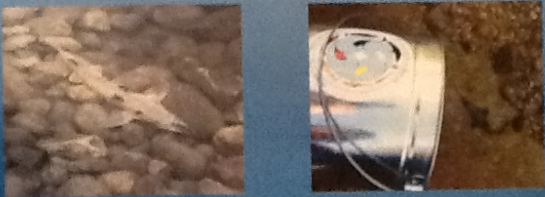
Manistee County Road Commission
8946 Chippewa Highway
Bear Lake, Michigan 49814
Phone: 231.888.0000

Date: 8/13/14

\\s01and24\manistee\A Bridge Project\Glovers Lake Road\manistee\Glovers Lake Rd Information.docx


3) From Stephanie Ogren

Save The Date:
11th Annual Sturgeon Release
September 13th 2014 1-3pm



*Join the Little River Band of Ottawa
Indians Natural Resource Department
for:*

- Releasing young sturgeon into the Big Manistee River
- Tour of the portable streamside rearing facility for lake sturgeon
- Children's activities
- Give-away items
- A community celebration of bringing the sturgeon back to the watershed



Location: Rainbow Bend
US Forest Service Manistee
River Access Site

Please contact the Natural Resources Department for more details: (231) 723-1594
Website: <https://www.lrbn.org/index.php/stake-sturgeon-program>