

## LCCMR North Central Minnesota Site visits Wednesday July 17 and Thursday July 18, 2013

Time	Miles	Site	Topics	Presenters	Directions
<b>Wednesday July 17, 2013</b>					
LV 8:00 am	76	<i>SOB to St. Cloud State University</i>			
AR 9:45 am  75.7 mi – about 1 hour 19 mins		<b>1 - Mississippi River at St. Cloud State University campus)</b>  <i>1 hour</i>	<b>Mississippi River – St. Cloud</b> <ul style="list-style-type: none"> <li>- Water quality and contaminants of emerging concern</li> <li>- Water quality monitoring in rivers</li> <li>- Hydro power</li> <li>- Dams and river fisheries and other aquatic habitat</li> </ul>	<b>Heiko Schoenfuss</b> , Professor, Director, Aquatic Toxicology Laboratory, St. Cloud State University  <b>Tony Dingman</b> , PCA  <b>Helen Goeden</b> , MDH, Toxicologist  <b>Daryl Stang</b> , City of St. Cloud, Dam Manager  <b>Ian Chisholm</b> , DNR	From SOB go south on MLK Blvd. take first right on to John Ireland Blvd., take first right on to Rice Street, take immediate left on to St. Anthony Ave., go 1 blk. to Marion Street, turn left, cross the freeway and take left to I-94 East, keep to left to take 35E, 5 miles to exit 694 West, go 17 miles to I-94W, go 46 miles to St. Cloud exit 171 (Co. Rd. 75/Roosevelt Rd.), go 2 miles to 33 <sup>rd</sup> St., Turn right and keep to left to be on Clearwater Rd. follow to 13 <sup>th</sup> St. S. turn right, continue about 5 blks. to Herb Brooks Way and turn left and proceed to location on the river next to the dam.
LV 10:45 a.m.	57	<i>SCSU to Crow Wing State Park</i>			
AR 11:45 a.m.  BOX LUNCH  56.4 mi – about 1 hour 4 mins		<b>2 - Crow Wing State Park</b> <i>1 hour</i>	<b>Crow Wing State Park</b> <ul style="list-style-type: none"> <li>- Park overview</li> <li>- Board walk through old town site in the park (walking distance from picnic shelter)</li> <li>- Recent ENRTF funded riverfront acquisitions</li> <li>- Crow Wing County Geological Atlas – county and other local use of information</li> <li>- Anomaly of concentrated manganese deposit near Emily, MN</li> <li>- Army Compatible Use Program (ACUP) Camp Ripley. BWSR– easements; DNR fee—title</li> </ul>	<b>Paul Roth</b> , DNR, State Park Manager  <b>Gary Meyer</b> , Geologist, MN Geological Survey (MGS) U of MN  <b>Todd Petersen</b> , DNR, Hydrogeologist  <b>Mitch Brinks</b> , Water Protection Specialist, Crow Wing County  <b>Helen McLenan</b> , District Manager, Morrison SWCD	Proceed north on 1 <sup>st</sup> Ave S. to 8 <sup>th</sup> St. South, turn left, 3blks to 5 <sup>th</sup> Ave., turn right 7 blks.. to 2 <sup>nd</sup> St. S, turn right over the river continue on to 3 <sup>rd</sup> St. SE 1 mile, take exit to US Hwy.10 W 33 miles, slight right on to MN 371 continue 20 miles, turn left on to N Koering Rd. follow into park.
LV 12:45 p.m.	42	<i>Crow Wing SP to Byron Township</i>			

AR 1:45 p.m. 37.4 mi – about 46 mins		<b>3 - Byron Township</b> (north of Staples) 1 hour	<b>Converting forests to annual crops.</b> - Purchase of 1500 acres of Potlatch commercial forest lands and converted to grow potatoes (Cass County was out bid on purchasing it for county forestry land) - EAW process managed by Cass County - Water quality, quantity, ground water and groundwater issues related to land cover change - evapotranspiration, irrigation, fertilizer, pesticides - impacts on pollinators	<b>John Ringle</b> , Director Cass County Environmental Services <b>Josh Stevenson</b> , Cass County Land Commissioner <b>Darrin Hoverson</b> , DNR, hydrologist <b>Mark Carlstrom</b> , DNR Forestry <b>Peter Jacobson</b> , DNR Fisheries <b>Kevin Stroom</b> , PCA <b>James Walsh</b> , MDH	Head east out of park to N Koering, turn left on to MN-371 N, go 6 miles to Highland Scenic Rd. turn left, go 2 miles to MN-210 W, turn left, go 17 miles to MN 64 N, turn right go 11 miles to 84 <sup>th</sup> St. SW. turn left (west) and go approximately 4.5 miles to site (past 87 <sup>th</sup> SW but before Cass Line Road) John Ringle and other will be at the site.
LV 2:45 p.m.	84	<i>Byron Township for LaSalle SRA</i>	-		
AR 4:45 p.m. 83.9 mi – about 1 hour 43 mins		<b>4- LaSalle SRA</b> 1 hour	<b>LaSalle State Recreation Area</b> - State Park use and operations for La Salle - Joint division management as State Recreation feature with aspects of Park, WMA, SNA programs - Ecology of the site and deep water fisheries	<b>Bob Chance</b> , DNR Itasca State Park Manager <b>Chris Gronewold</b> , DNR Resource Specialist <b>Becky Marty</b> , DNR, Regional Ecologist <b>Blane Klemek</b> , DNR Wildlife Supervisor <b>Tom Groshens</b> , DNR	Follow 84 <sup>th</sup> Street back to 79 <sup>th</sup> Ave. NW, turn left and proceed north 3 mile, turn left on to MN-64 N 23 miles, turn left MN 64 (MN87 W), go 15 miles to Broadway ST. E, turn right, go 0.5 miles turn left on to MN 64, go 16 miles, turn left on to MN 200 W, go 5 miles and continue on US 71 N, go 9.5 miles, turn left on Co. Hwy 9 to County Rd. 9, turn left in to Lake La Salle State Recreation Area.
LV 5:45 p.m.	19	<i>LaSalle SRA for Itasca State Park</i>	-		
AR 6:15 p.m.		<b>5 - Itasca State Park</b>	<b>Itasca State Park</b> - Park orientation - Room check-in - Dinner in Douglas Lodge (at leisure – dinner orders taken up to 8:00 p.m.) - Evening available for park activities	<b>Bob Chance</b> , Park Manager	Turn left out of park on Co. Hwy 9 to County Rd. 9, follow 1 mile, continue on Co. Hwy 40 2 miles, turn left onto Hwy 2, go 6 miles and turn left onto MN-200E, go 6.5 miles to US-71, turn right on to US-71S, go 2 miles, turn right onto Co. Hwy 1, go 1.3 miles to park entrance on the right.
<b>Thursday July 18, 2013</b>					

Breakfast Open early at 7:30 normally opens at 8:00 a.m.					
LV 8:30 a.m.		<i>Itasca SP-Douglas Lodge for north end of Itasca State Park</i>			
AR 8:45 a.m.		<b>5 - Itasca State Park – north end</b>  45 minutes	<b>Itasca State Park</b> – forestry research plots Forestry issues in northern MN <ul style="list-style-type: none"><li>- ENRTF funded EAB and Black Ash study,</li><li>- ENRTF funded Biomass harvest effects on nutrient rich and poor soils</li><li>- Current forest issues in MN</li></ul>	<b>Dr. D’Amato</b> , Professor, U of M, Forestry Department  <b>Mike Lichter</b> , DNR, Asst Area forester  <b>Becky Marty</b> , DNR, regional ecologist  <b>Chad Kirschbaum</b> USFS ( <i>tentative</i> )	North end of Park – large deer enclosure, harvest of storm damage, forestry thinning area. – via internal park roads.
LV 9:30 a.m.	50	<i>Itasca for Ten Mile Lake</i>	-		
AR 10:30 a.m.  47.6 mi – about 1 hour 2 mins		<b>6 – Ten Mile Lake</b> 45 minutes	<b>Ten Mile Lake</b> <ul style="list-style-type: none"><li>- Sensitive shoreland ecological assessment</li><li>- Cass County/Leech Lake Watershed Foundation conservation easements</li><li>- SLICE (Sustaining Lakes in a Changing Climate) - long term monitoring to improve management</li></ul>	<b>John Ringle</b> , Director Cass County Environmental Services  <b>Paul Radomski</b> , DNR Biologist  <b>John Sumption</b> , Leech Lake Area Watershed Foundation Potentially landowner of shoreland easement  <b>Pete Jacobson</b> , DNR Fisheries research  <b>Jim Miller</b> , Ten Mile Lake Association	Head south on Co. Hwy 1, turn left on to US 71, continue on US71/MN-200, go 16 miles, turn right on to MN 200E, go 5 miles, turn right on to MN-64 S, go 16 miles, turn right on to Broadway St E, go 0.6 miles, turn left on to Marie Ave. SE, go 0.4 miles, turn left on to Co. Rd.12/4 <sup>th</sup> St. SE, go 5.5 miles, continue on to Lower 10 Mile Lake Rd., go 1.6 miles, turn left on Co. Rd 71. Follow to site on right. (across the road from 4497 County Road 71 NW)
LV 11:15	23	<i>Shoreland site for Deep Portage</i>	-		
AR noon Lunch  22.9 mi – about 51 mins		<b>7 - Deep Portage ELC</b>  1 hour	<b>Deep Portage Environmental Learning Center</b> <ul style="list-style-type: none"><li>- Environmental education programs</li><li>- ENRTF funded renewable energy</li></ul>	<b>Dale Yerger</b> Executive Director, Deep Portage Learning Center	Continue on Co. Rd 71, 2 miles, turn left to stay on Co. 71, go 2.2 miles, keep to right to stay on Co. 71, turn right on to Co. Hwy 50, go 1 mile, turn right on to MN 371, go 4 miles, turn left on to Co.5/Woman Lake Road, go 4.7 miles, turn right on to Co. Rd. 46, go 4.6 miles to Nature Center Drive, turn right and follow to Center.

			improvements - Biofuel - wood gasifier		
LV 1:00	79	<i>Deep Portage for Lake Mille Lacs</i>			
AR 2:45 pm 79.2 mi – about 1 hour 46 mins		<b>Lake Mille Lacs – Garrison public water access</b>  45 minutes	<b>Lake Mille Lacs – Garrison public water access</b> - Aquatic Invasive Species (AIS) specifically for Mille Lacs, Zebra mussels, Spiney water flea - Walleye population decline - Changes in lake including potential climate change impacts	<b>Don Pereira</b> , DNR Fisheries Research Manager  <b>Tom Jones</b> , DNR, Fisheries – treaty coordinator  <b>Dan Swanson</b> , DNR, AIS  <b>Brad Kalk</b> Mille Lacs Band of Ojibwa	Take Nature Center Drive to Co. Rd. 46, turn right, go 3.4 miles, turn left to stay on Co. Rd. 46, go 0.5 miles turn right on to MN-84 S, go 1.4 miles, turn right to stay on Mn-84, go 2.3 miles turn left to stay on MN 84, go 8.6 miles, continue on to 16 <sup>th</sup> Ave SW, go 2.7 miles, turn left on to MN371 S, go 26.4 miles, turn left onto MN210 E/MN-371 BUS S, continue to follow MN-210 E 3.1 miles, continue on to Washington St NE, 0.2 miles, continue onto MN 25 S 1.2 miles, turn left onto MN18-E 16.1 miles, continue onto US-169 S, follow to garrison Public Water Access on left side.
LV 3:30 p.m.	114	<i>Father Hennepin State Park to SOB</i>	-		
AR 5:30 p.m. 114 mi – about 1 hour 55 mins Time is estimate – depends on traffic conditions in metro area		<b>State Office Building</b>	-		Continue South on US-169 S 74.4 miles, continue on to MN-101S 6.9 miles, merge on to I-94 E 15.8 miles, continue on to I-694 11.6 miles, take I3e S exit 5.3 miles, take University Ave exit, turn right, 0.6 miles, turn left on to Dr. rev. Martin Luther King Jr. Blvd., SOB on right.

Updated July 15, 2013 – 3:00 p.m.