

AIS Extended Operating Team Planned Goals with Accomplishments for 2021 & Plans for 2022; Version 10-29-2021

Key:

HC AIS = Hubbard County Environmental Services, Environmental Specialist – AIS Program

HC COLA = Hubbard County Coalition of Lake Associations AIS Operating Team and Others

Both = HC AIS & HC COLA working together on various aspects of the Planned Goal and Accomplishments

Responsibility	Public Awareness Goals for 2021	Accomplished in 2021	Plans for 2022
1) HC AIS	Continue Radio PSAs on KDKK, KXKK, KPRM Radio	Yes	Yes
2) HC AIS	Present Hubbard County AIS Program Annually	Yes – HC Township & HC COLA meetings	Yes
3) Both	Billboard partners on Major Hwy: Clean Drain Dry	Yes - Hwy 71 S; Pro Fishing	Yes – determine location / theme
4) Both	Park Theater Ad partners – Eurasian Watermilfoil Ad carried over from 2020 with no additional cost	Yes – when theater reopened 5/28/21 - the pre-covid ad will run until 1/28/22	Ad runs through 1/28/2022
5) Both	Continue with AIS ID card partnership; has Decon #, 21-day dry time docks/lifts & unwanted bait disposal	Yes – used existing inventory & provided to watercraft inspectors, in kiosks, etc.	Yes – updating AIS ID ½ page card. Fish ID postcard will have Decon # when reprinted.
6) Both	Partnered in outreach to engage resort owners, area businesses like bait shops plus visitors through Chamber of Commerce, Downtown Business Assoc.	Yes – Lake Associations reached out to the resorts. County outreach to resorts was limited due to pandemic.	Yes – HC COLA to offer AIS identification binder for short-term rentals, like resorts. County resort outreach one day per week.
7) Both	Partnered with other area counties on printed bait bags with community-based social marketing *CBSM) message: Don't let it loose! Toss it or Keep it with well/tap water or bottled water.	Yes – Each bait shop in Hubbard County was contacted about the bait bag CBSM program; Delivered 2000 each no charge. Posters for kiosks created and distributed.	Redistribute unused bait bag inventory, depending on bait shops' input.
8) HC COLA	Fair – Educational Booth in the Environmental Education Building	Yes – Hosted “Get Out The Lead” exchange program benefitting loons and providing 75 samples from the MPCA, turning in 4.4 pounds lead tackle which can poison loons to county's hazardous waste site & educated on the “Stop Spiny” campaign by the MAISRC, providing 190 Swedish dish cloths for wiping lines, etc.	Yes - Same plans for Fair. Encouraging lake associations (LA) to consider hosting “Get Out The Lead” exchange program for their LA annual meetings
9) HC COLA	Expand number of lakes monitoring for adult zebra mussels using zebra mussel settlement samplers (ZMSS) that circle each lake (north, south, east, west)	Yes –provided ZMSS to lake assoc & at Fair. The “Eyes on the Water” email distribution list expanded to over 325.	Yes
10) HC COLA	Reach more riparian owners using community-based social marketing (CBSM) ads on AIS Prevention techniques for Gear & Equipment, Bait & Free Decon	Yes - Full pg Community-based social marketing: Discovery Guide & Residents Guide - <i>Keep Your Waters Pristine</i> ad	Yes – ½ page ad in Discover Guide and full page for Residents Guide as approved by HC COLA Board of Directors.
11) HC COLA	Articles in local papers re AIS Prevention to Protect and Preserve Lakes	Yes – Moss Balls w/Zebra Mussels & Youth Involved in Water Monitoring & Starry Stonewort Search Completed educ	Yes

12) HC COLA	Updated Online AIS Curriculum for Hubbard County lakes area that Otter Tail has great success with	Yes – HC SWCD to utilize in their online ed & info shared too with science teachers	Yes
13) HC COLA	AIS Prevention Education - speaker available from HC COLA - email hccolamn@gmail.com	AIS Prevention Education was presented at Big Sand Annual Mtg	Yes
Responsibility	Prevention Goals for 2021	Accomplished in 2021	Plans for 2022
1) HC AIS	Conduct watercraft inspections at 35+ different public accesses throughout Hubbard County.	Yes – Staffed inspectors for 15,204 hours at 35 public accesses at 33 different lakes/rivers. 7600 hours funded through AIS Prevention funds, 7604 hours funded through Lake Assns. and Townships. There were roughly 23,700 inspections (will be a few more inspections once get final uploads from past week).	Yes – Plan for watercraft inspection schedule similar to 2019 number of hours.
2) HC AIS	Operate Hubbard County FREE Watercraft Decontamination Station: 218-252-6738	Yes – Staffed decontamination station July through September. Total of 166 decontaminations.	Yes – Operate decontamination station May through September. On call seven days a week 10 AM – 6 PM.
3) Both	Monitor Fishing Tournament Activity to Minimize AIS Risk. Consider special inspection plans when justified.	Yes –Tournament Organizer continued the order of lakes fished with Fish Hook 1 st then Long 2 nd Sept 2021	Yes - check DNR tournament list and permits through Hubbard County Sheriff's office
4) Both	AIS Volunteer Training; communicate process & use	Delayed due to pandemic; July avail online	Yes - DNR AIS volunteers/Ambassadors may take online training Mar/Apr 2022. Require background check and AIS Ambassador Grant Agreement with DNR before you can prearrange location, date/time to volunteer
5) Both	Explore use of tools - modeling software, I-Lid, CD3 units, other...	Yes - held MAISRC AIS Explorer class (recorded 8-24-2021 available on website communications→ presentations) researched Otter Tail's extensive use of I-Lids & a new rinse station pilot that filters ZM from lake water, Wildlife Forever aquatic veg removal station used on Long, Hennepin County CD3 cleaning units that use air / vacuum & access signage too.	Yes - following MAISRC Showcase / research results / opportunities. DNR Fisheries indicated small number of common carp are on the lower Crow Wings but dam on 5th CW prevents upstream movement. Avg # of common carp sampled over the yrs for an entire survey on one of these lakes was 3 fish. (We can skip exploring carp mgmt tools by MAISRC.)
Responsibility	Early Detection Goals for 2021	Accomplished in 2021	Plans for 2022
1) Both	Starry Trek Search for Starry Stonewort & other AIS	Yes – 18 Lakes with 19 public accesses checked. No new, unknown AIS found.	Yes - increase volunteers to sample more lakes

2) HC COLA	Continue zebra mussel veliger sampling on area lakes and analyze water sample for spiny waterflea also	Yes – 6 lakes analyzed for SWF; none found. 19 lakes sampled for Zebra Mussel Veligers; none found.	Yes – continue to expand LA sampling for ZMV and analyze for SWF; continue exploring eDNA when pilot available plus other opportunities with MAISRC
3) HC COLA	Expand lakes monitoring - property owners place zebra mussel settlement samplers on docks & check and report on “Eyes on the Water” Survey in autumn	Yes – more ZMSS placement by LAs; DNR confirmed 4th CW for C. Mystery Snails found on ZMSS at public access.	Yes – suggest LAs seek lakeshore owners close to public/ private accesses to place ZMSS on their own docks & report on
4) HC COLA	Promote lakes participating in aquatic vegetation shoreline monitoring/meanders like Lake Belle Taine program – 2x/yr to detect CLP in mid June and EWM & SSW in mid-Aug	Yes – Lake Belle Taine hosted shoreline monitoring discussion for lakes interested in June. Two AIS Identification Classes held. Two coaching sessions for youth. Ongoing coaching for new recruits by the lake assoc shoreline monitoring teams.	Yes - continue to encourage LAs to adopt shoreline monitoring; training / coaching available.
Responsibility	Rapid Response & Containment Goals for 2021	Accomplished in 2021	Plans for 2022
1) HC AIS	Belle Taine SeaLegs on Pontoon Exiting with Zebra Mussels after wk on lake; ZM likely transported from Alex area where pontoon used.	Examining if any after-effects with ZMSS and another ZMV test planned; Citation issued by Conservation Officer (CO).	Lake Belle Taine AIS Detector: Observe / Test / continue shoreline monitoring and ZMSS for early detection
2) HC AIS	Lake Plantagenet Boat about to enter the lake with ZM on dried aquatic vegetation. Once cleaned off, then watercraft inspector allowed entry.	Further research by CO determined boat last used on Leech Lake instead of Plantagenet as initially reported by boater. Following up on if citation issued.	Continue Watercraft Inspections
3) HC AIS	Maintain existing AIS Response fund for initial AIS treatments - not adding contributions annually though	Didn't have new AIS infestations in 2021 that required treatment	Yes
Responsibility	Mitigation & Management Goals for 2021	Accomplished in 2021	Plans for 2022
1) HC COLA	Individual lakes will continue to manage existing infestations. Apply for DNR AIS Grants / other aid.	Yes – See lake assoc actions below. Shared MAISRC Info on “Life after ZM” with 4 lakes; Long, Garfield, Benedict & Steamboat & Presentation by Duhr 7/29.	Yes - explore “partners in prevention” opportunities.
2) Long Lake – ZM	Continue the education on AIS prevention / containment with Decon, 21 day dry time docks/lift. Added Aquatic Vegetation Removal Stations at South & North Accesses; Use 18 plankton net surveys for zebra mussel veligers detection & vegetation sampling at the high risk accesses & vegetation / shoreline monitoring in all neighborhoods around lake in littoral area	Aquatic vegetation stations used at public accesses & 2 resorts use aqua weed sticks. Decon call ahead # in educ newsletters / kiosks, 35 zebra mussel settlement samplers (ZMSS) in “eyes on the water” program; 22 reported in thus far with no ZM found. Participated in pilot of 14 ZMSS with MAISRC with no ZM detected in 40 day pilot.	Yes - follow the MAISRC research plus continue all noted containment efforts, prevention endeavors and early detection sampling / monitoring on ZM and all AIS.

3) Garfield - ZM	22 ZMSS samplers around the lake that report annually if ZM are found. So far - no adult ZM found at all, just veligers on 2 plankton net samples 2 years.	No ZMV found on plankton net survey. 22 ZMSS hosted around the lake with 10 reporting in thus far with no ZM. Educ on AIS containment/ prevention ongoing.	Yes - continue AIS containment and prevention education program.
4) Bad Axe - EWM	Contain EWM and prevent the spread within the lake and out of the lake. Hot water pressure washer used to clean boats going in / out of lake at resort access.	Montana univ – dna determination; shoreline monitoring, Sept treatment of new spots after survey was completed.	Yes - continue AIS containment, deacons, and prevention education program and shoreline monitoring.
5) Big Mantrap - EWM	Treated Eurasian Watermilfoil in 2020 with hand pulling and chemicals treatment. Determine if EWM management is needed for 2021. Continue AIS containment and prevention education and watercraft inspection schedule through end of Oct.	Checked EWM growth in July; no treatment needed after hand pull / treatment last year. At end of summer 2021, small piece of EWM was found near access but after searching with rake throw methodology, no additional EWM found	Yes - determine if treatment needed in 2022. Continue AIS containment and prevention education program.
6) Portage - CLP	Continue monitoring for curly leaf pondweed (CLP) and treat annually as needed.	In 2021, 12 nearshore treatments with DNR permit for each and 1 lake survey. 7 additional new places found to have CLP but was too late to get treatment permits.	Continue monitoring CLP / treat as needed. Amount spent on management of CLP since 2003 when there was 55 acres of CLP thru 2021 is \$125,945 (details/yr available)
7) Fish Hook - CLP	Locate CLP to hand pull and/or treat if detected.	CLP not detected in 2021.	Monitor for CLP; hand pull and/or treat if needed.
8) Wolf Lake – SSW, ZM	Contain the spread of Starry Stonewort within the lake and movement of SSW and ZM to other lakes; fix kiosk	South Big Wolf Lake Association arranged for new additional buoys to delineate where to boat from at undeveloped access landing. Repaired / updated kiosk. SSW discovered at main public water access.	DNR hopes for contracted hand-pull of the newly discovered small amount of SSW in 2022 at main public water access. May treat .5 acres SSW filling most water column at undeveloped access – TBD. Beltrami County placing CD3 unit at main public access with vacuum / blower through the MLR program / DNR lease.
Responsibility	Administration Goals for 2021	Accomplished in 2021	Plans for 2022
1) Both	AIS Extended Operating Team continues to support a healthy and effective County-wide program. Work across county boundaries as the need arises.	Yes	Yes