

Asian Carp Sampling Summary

A sampling summary for the week of May 14, 2012 is included below. All data presented in this summary are preliminary and subject to revision.

Bottom Line: Monitoring occurred in the CAWS and upper Illinois Waterway upstream and downstream of the Dispersal Barrier. NO BIGHEAD OR SILVER CARP were reported captured or observed upstream of the Barrier, nor were any found in new locations downstream of the Barrier.

Random Site Sampling Upstream of the Dispersal Barrier

Area 1: Lake Calumet Connecting Channel and Calumet River above O'Brien Lock

Area 2: Calumet-Sag Channel

Area 3: Chicago Sanitary and Ship Canal, Western Ave. to Dispersal Barrier

Area 4: North Shore Channel, North Branch Chicago River and Chicago River

A crew from the IDNR completed a combined six 15-minute electrofishing runs at randomly selected locations in Areas 2, 3, and 4. No bighead or silver carp were reported captured or observed.

Fixed Sites Downstream of the Dispersal Barrier

Site A: Lockport Pool – Lockport Lock and Dam to Electric Barrier

Site B: Brandon Road Pool – Brandon Road Lock and Dam to Lockport Lock and Dam

Site C: Dresden Island Pool – I-55 Bridge to Brandon Road Lock and Dam

Site D: Marseilles Pool – Rt. 47 Bridge (Morris) to Dresden Lock and Dam

Crews from the IDNR and USACE completed four 15-min electrofishing transects at each downstream fixed site (4.0 hours total). No bighead or silver carp were reported captured or seen at Sites A, B and C nor were any captured at new locations at Site D. Contracted commercial net sampling at downstream fixed sites occurred during the week of May 21 and will be included in the following week's summary.

Water Gun Development and Testing Project

Crews from USGS, IDNR, UIUC, and SIUC successfully set up an experimental mesocosm and monitoring stations (telemetry and hydroacoustics) in a private Illinois River backwater near Morris, Illinois. An initial trial of an experiment to evaluate the effects of water guns on behavior of bighead and silver carp was completed. Results are currently being analyzed and will be highlighted in a future summary report.

Gear Evaluation Study

Crews from INHS sampled with multiple gears in the Peoria Pool near Henry (RM 189-197) and in the Starved Rock Pool at Ottawa (RM 239.5-241.5). Gears and effort are shown in the table below. Results will be forthcoming after data have been entered into a database, checked for accuracy and analyzed.

Gear/Method	Effort	Gear/Method	Effort
DC electrofishing	6 x 15-min. runs	Mini-fyke net	8 net-nights
Trammel net w/ pounding	4 sets	Small mesh purse seine	4 hauls
Small mesh gill net -sinking	4 x 4-hr. sets	Large mesh purse seine	4 hauls
Small mesh gill net -floating	4 x 4-hr. sets	Beach seine	4 hauls
Large mesh gill net -sinking	4 x 4-hr. sets	Cast Net	4 throws
Small mesh hoop net	8 net-nights	Midwater trawl	4 x 5 min. tows
Large mesh hoop net	8 net-nights	Hydroacoustics	15 min. runs
Trap net	8 net-nights		

Larval Fish, Zooplankton, and Productivity Monitoring

Crews from INHS and Western Illinois University completed sampling for fish eggs and larvae, zooplankton, and phytoplankton productivity at the stations listed in the table below. Effort included four 5-minute tows for fish eggs and larvae with a 0.5-meter diameter ichthyoplankton push net, filtering 100 L of water for zooplankton, and taking water samples with an integrated tube sampler for productivity estimates. Samples are currently being processed.

Pool and Station	River Mile	Pool and Station	River Mile
CAWS		Peoria Pool	
Lake Calumet	327	Hennepin	~207-208
Little Calumet River	322	Henry/Lacon	189-197
Western Avenue	~320-321	Chillicothe	~178-180
Calumet-Sag Channel	~319	Upper Peoria Lake	~170-175
Worth Street	~311	LaGrange Pool	
Brandon Road Pool		Peoria Dam Tailwater	155-157.7
Lockport Tailwater	~289-291	Havana	119-122
Des Plaines River/CSSC confluence	~290	Bath Chute	107-113
Dresden Island Pool		Fredrick Main Channel	~97-98
Treats Island/I-55	277-279.5	Treadway Lake Backwater	~93.5
Marseilles Pool		Lilly Lake Backwater	83-84
Morris	262-265	Lilly Lake Main Channel	83-84
Starved Rock			
Ottawa	239.5-241.5		