



Asian Carp Control

The official website of the Asian Carp Regional Coordinating Committee

U.S. Geological Survey – New Publication!

PUBLISHED ON AUG 24, 2011 - IN: NEWS

USGS Scientific Investigations Report 2011–5076: Developmental Rate and Behavior of Early Life Stages of Bighead Carp and Silver Carp

By Duane C. Chapman and Amy E. George

This report provides new findings on how long it takes for bighead and silver carp eggs to develop after spawning and for the larval fish to get to the stage at which they can swim on their own. Scientists documented strong vertical swimming of fish larvae immediately after hatching, a behavior not previously observed. This has implications related to the length of stream Asian carp need to successfully spawn and survive. This information is important for assessing the risk of Asian carp establishing populations in the Great Lakes and will inform ongoing risk assessments such as the Great Lakes Mississippi River Interbasin Study and the Binational Risk Assessment. This project was funded by the Great Lakes Restoration Initiative.

Link to publication: <http://pubs.usgs.gov/sir/2011/5076/>



This silver carp is in the gas bladder inflation stage during which Asian carps begin to swim horizontally like fish normally do. When they inflate their gas bladder, as this one has, they can hold their position in the water column without swimming. Photo by USGS.

No Comments

Asian Carp Preliminary Sampling Summary for the Week of August 15, 2011

PUBLISHED ON AUG 22, 2011 - IN: MONITORING & SAMPLING | NEWS

No sampling with conventional gears took place in the CAWS this past week. However, sampling did occur lower Des Plaines and Illinois rivers.

No BIGHEAD or SILVER carp were reported captured or observed in new locations downstream of the Electric Barrier System.

No Comments

Asian Carp Sampling Schedule for the Week of August 22

PUBLISHED ON AUG 22, 2011 - IN: MONITORING & SAMPLING | NEWS

eDNA Monitoring Project

Monday, August 22

One IDNR boat and crew will collect water samples for eDNA analysis from the North Shore Channel. Samples will be filtered by USACE and USEPA personnel at the USEPA lab in Chicago and forwarded to ERDC in Vicksburg, MS for analysis.

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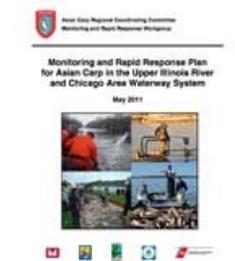
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Site 2: Little Calumet River - [Arlington](#)

Site 3: Chicago Sanitary and Ship Canal (CSSC) near Western Ave. and South Branch Chicago River
© 2004 - 2010 Asian Carp

Site 4: North Branch Chicago River, North Shore Channel based on [I Like Content](#).

Site 5: North Shore Channel

Tuesday, August 23

One IDNR boat and crew will be electrofishing at Site 1.

One IDNR boat and crew will be electrofishing at Site 2.

One commercial fishing boat and crew with an IDNR biologist will be netting at Site 1.

One commercial fishing boat and crew with an IDNR biologist will be netting at Site 2.

Wednesday, August 24

One IDNR boat and crew will be electrofishing at Site 3.

One IDNR boat and crew will be electrofishing at Sites 4 and 5.

One commercial fishing boat and crew with an IDNR biologist will be netting at Site 3.

One commercial fishing boat and crew with an IDNR biologist will be netting at Sites 4 and 5.

Fixed Site Sampling Downstream of 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

Wednesday, August 24

One USACE boat and crew will be electrofishing at Site A.

Thursday, August 25

One USACE boat and crew will be electrofishing at Site B.

One IDNR boat and crew will be electrofishing at Sites C and D.

One commercial fishing boat and crew with an IDNR biologist will be netting at Sites A and B.

One commercial fishing boat and crew with an IDNR biologist will be netting at Sites C and D.

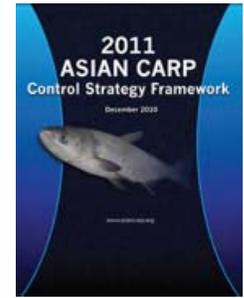
Additional Netting For Asian Carp Downstream of the Dispersal Barrier***Friday, August 26***

Two commercial fishing boats and crews with IDNR biologists will be netting in the Dresden Island Pool.

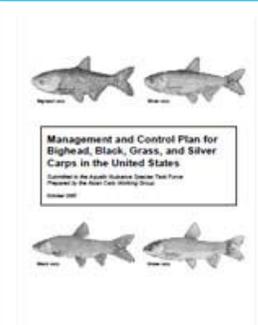
Reach Sampling Upstream of the Dispersal Barrier

Reach 1: CSSC to Stickney Water Reclamation Plant (WRP)

Reach 2: CSSC and Cal-Sag Channel junction to Calumet Harbor



[2011 Asian Carp Control Strategy Framework](#)



[Asian Carp Control Plan](#)

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Reach 3: CSSC from Stickney WRP to Chicago Lock

Reach 4: North Branch Chicago River to Wilmette Pumping Station

Thursday-Friday, August 25-26

One INHS boat and crew will be electrofishing at Reaches 1 and 2.

Barrier Defense Asian Carp Removal Project

No work is scheduled for this week. Barrier Defense removal efforts will resume the week of August 29.

Larval Fish, Zooplankton, and Productivity Monitoring

Two INHS boats and crews will be taking larval fish, zooplankton, and water quality samples at stations throughout the Illinois Waterway and CAWS. Sample stations are listed below for each sample date. Zooplankton, chlorophyll a, phosphorous, and water quality samples will be taken at all sites, whereas larval fish sampling will occur only at the sites marked with an asterisk.

Monday-Friday, August 22-26

One boat and crew will start at Lilly Lake in the LaGrange Pool and work upstream to Hennepin in the Peoria Pool.

LaGrange Pool

*Lilly Lake Backwater – River mile 83-84

Lilly Lake Main Channel – River mile 83-84

Fredrick Main Channel – River mile ~97-98

*Matanza Backwater – River mile ~93.5

*Bath Chute – River mile 107-113

*Havana – River mile 119-122

*Peoria Dam tailwater – River mile 155-157.7

Peoria Pool

Upper Peoria Lake – River mile ~170-175

Chillicothe – River mile ~178-180

*Henry/Lacon- River mile 189-197

Hennepin – River mile ~207-208

Monday-Tuesday, August 22-23

One boat and crew will start at Ottawa in the Starved Rock Pool and work upstream to Treats Island in the Dresden Island Pool.

Starved Rock Pool

*Ottawa – River mile 239.5-241.5

Marseille Pool

*Morris- River mile 262-265

Dresden Island Pool

*Treats Island / I-55 – River mile 277-279.5

Wednesday-Thursday, August 24-25

One boat and crew will start in the Brandon Road Pool and work upstream to the CAWS sites.

Brandon Road Pool

*Lockport tailwater – River mile ~289-291

*Des Plaines confluence – River mile ~290

CAWS

*Western Ave. – River mile ~320-321

*Lake Calumet – River mile ~327

*Calumet River – River mile ~322

*Cal-Sag Channel – River mile ~319

*Worth – River mile ~311

[No Comments](#)

Asian Carp Sampling Schedule for the Week of August 15, 2011

PUBLISHED ON AUG 15, 2011 - IN: MONITORING & SAMPLING | NEWS

DIDSON Barrier Efficacy Project

Monday – Friday, August 15-19

The USFWS-Cartrville (with assistance from USFWS La Crosse) will be conducting fish surveys with the DIDSON at the electric fish barriers.

eDNA Monitoring Project

Wednesday, August 17

One IDNR boat and crew will collect water samples for eDNA analysis in the Chicago River and South Branch Chicago River (Chicago Lock to Bubbly Creek). Samples will be filtered at the USEPA lab in Chicago and forwarded to ERDC in Vicksburg, MS for analysis.

Barrier Defense Asian Carp Removal Project

Tuesday – Friday, August 16-19

Five commercial fishing boats and crews with IDNR biologists will use trammel and gill nets to remove Asian carp from the upper Illinois River and lower Des Plaines River. Most of the effort this week will take place in the Marseilles Pool near Morris Illinois, although some time will be spent upstream in the Dresden Island Pool and downstream in the Starved Rock Pool.

Gear Evaluation Study

The INHS will complete the summer sample for evaluating the effectiveness of various gears used to sample juvenile and adult Asian carp. Sampling will include gill nets, trammel nets, mini-fyke nets, trap nets, hoop nets, large- and small-mesh purse seines, electrofishing, cast nets, beach seine, and hydroacoustics. Trap nets, hoop nets, and mini-fyke nets will be set overnight for two nights in shallow or backwater areas; all other gears will be attended and used during daylight hours.

Monday – Wed, August 15 – 17

One INHS boat and crew will be sampling with multiple gears in the LaGrange Pool of the Illinois River downstream from the Peoria L&D (River mile 154 – 157.5).

[No Comments](#)

Asian carp sampling summary for the week of July 11, 2011

PUBLISHED ON AUG 12, 2011 - IN: NEWS

A sampling summary for the week of July 11, 2011 is included below. Note that these data are field summaries that are provisional and subject to revision pending thorough review.

Bottom Line: Much work was again completed this week. No bighead or silver carp were captured or observed upstream of the Dispersal Barrier nor were any found in new locations downstream of the Barrier.

Fixed Site Sampling Upstream of the Dispersal Barrier

Site 1: Lake Calumet

Site 2: Little Calumet River

Site 3: Chicago Sanitary and Ship Canal (CSSC), South Branch Chicago River

Site 4: North Branch Chicago River, North Shore Channel

Site 5: North Shore Channel

One USFWS-Carterville electrofishing boat and crew and two commercial fishing boats and crews with IDNR biologists sampled the five fixed sites above the Dispersal Barrier during July 11-14. Sample effort included a total of 48 electrofishing runs (15 minutes each; 12.0 hours total) and 17 trammel net sets (200-500 yards/set; 5,800 yards total). A combined total of 5,702 fish representing 41 species and 2 hybrid groups were sampled during the effort. No bighead or silver carp were captured or seen.

DC Electrofishing

Species	Site 1	Site 2	Site 3	Site 4	Site 5	All sites
Gizzard shad >6.0 in.	39	342	217	457	5	1060
Gizzard shad <6.0 in.		218	98	80	1	397
Common carp	41	565	150	40	50	846
Pumpkinseed	10	355	109	15	233	722
Spotfin shiner		1	424	136	55	616
Bluegill	13	129	94	80	297	613
Golden shiner		24	118	27	87	256
Largemouth bass	43	58	29	10	61	201
Bluntnose minnow	1	1	29	35	88	154
Green sunfish		14	46	16	28	104
White sucker		11	4	45	18	78
White perch	1	53	1			55
Emerald shiner	3	1	41	6		51
Alewife		1	22	4	23	50
Goldfish		38	6	1	2	47
Fathead minnow			24		4	28
Freshwater drum		26				26
Yellow bullhead	1	11	1	6	1	20
Black bullhead		13	4	2	1	20
White bass	4	9	1			14
Channel catfish	11	1		1		13
Yellow perch	6	2			5	13
Black buffalo	2	10				12
Orangespotted sunfish		3	9			12
Blackstripe topminnow				1	11	12
Rock bass					11	11
Smallmouth bass	2	7				9
Round goby	2			3	2	7
Oriental weatherfish			4		3	7

Brown bullhead		1	3	3		7
Brook silverside	1	5				6
Hybrid sunfish			2		3	5
White crappie		5				5
Spottail shiner	1		1		1	3
Yellow bass	1	2				3
Central mudminnow		1		1	1	3
Carp x goldfish hybrid					1	1
Quillback		1				1
Creek chub					1	1
Rainbow trout					1	1
Bowfin					1	1
All species	182	1908	1437	969	994	5490

Trammel Netting

Species	Site 1	Site 2	Site 3	Site 4	Site 5	All sites
Common carp	74	39	30	3	21	167
Freshwater drum	15					15
Carp x goldfish hybrid			12		1	13
Black buffalo	7					7
Gizzard shad >6.0 in.	3					3
Smallmouth buffalo	2					2
Goldfish			1			1
Channel catfish	1					1
Largemouth bass	1					1
Grass carp	1					1
Flathead catfish	1					1
All species	105	39	43	3	22	212

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Fixed Site Sampling 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

One IDNR electrofishing boat and crew and one USACE – Chicago District electrofishing boat and crew sampled the four fixed sites below the Dispersal Barrier During July 11-20 and two commercial fishing boats and crews with IDNR biologists sampled the same fixed sites with trammel nets on July 14. Sample effort included a total of 16 electrofishing runs (four 15-minute runs/site; 4.0 hours total) and 16 trammel/gill net sets (200-400 yards/set; 3,600 yards total). The combined catch among gears was 771 fish representing 42 species and 2 hybrid groups. No bighead or silver carp were collected or observed in the Lockport, Brandon Road, and Dresden Island pools. Five silver carp were captured by electrofishing in the Marseilles Pool. Commercial fishers sampled five bighead and seven silver carp from the Marseilles Pool.

A catch summary is listed below.

DC Electrofishing

Species	Site A	Site B	Site C	Site D	All sites
Gizzard shad < 6"	234	12	33	6	285
Gizzard shad > 6"	22	21	15	21	79
Common carp	22	33	6	6	67
Bluegill		7	30	17	54

Green sunfish	8	6	27	5	46
Pumpkinseed	13	7	1	2	23
Largemouth bass	2	1	6	7	16
Golden redhorse				11	11
Smallmouth buffalo			7	3	10
Hybrid sunfish	4	2	3		9
Spotfin shiner		1		8	9
Yellow bullhead		3	4		7
Emerald shiner		3		4	7
White sucker		6			6
Silver carp				5	5
River carpsucker				5	5
Smallmouth bass		1	3	1	5
Yellow bass				5	5
Channel Catfish		1	2	1	4
Longnose gar	1		1	1	3
Quillback				3	3
Bluntnose minnow		1		2	3
Longear sunfish			1	2	3
Logperch				3	3
Goldfish		1	1		2
Freshwater drum			1	1	2
Shorthead redhorse				2	2
Orangespotted sunfish			1	1	2
Spottail shiner				2	2
Golden shiner		1		1	2
Flathead Catfish				1	1
Silver redhorse				1	1
Northern hog sucker				1	1
White crappie	1				1
White bass				1	1
Walleye				1	1
Grass pickerel	1				1
Suckermouth minnow			1		1
Warmouth			1		1
Blackstriped topminnow	1				1
All species	307	107	141	125	680

Trammel Netting

Species	Site A	Site D	Site C	Site D	All sites
Common carp	4	10	17	2	33
Smallmouth buffalo			29		29
Silver carp				7	7
Freshwater drum			6		6
Bighead carp				5	5
Bigmouth buffalo				5	5
Grass carp			1	2	3
Carp x goldfish hybrid		1			1
Channel catfish			1		1
Skipjack herrring			1		1
All species	4	11	55	21	91

Additional Netting For Asian Carp Downstream of the Dispersal Barrier

Two commercial fishing boats and crews with IDNR biologists sampled with trammel nets downstream from Treats Island in Dresden Island Pool on July 15. Sample effort included six trammel/gill net sets (250-400 yards/set; 1,350 yards total) and the total catch was 27 fish representing 6 species. No Asian carp were captured during this sampling effort.

A catch summary is listed below.

Species	Number
Common carp	15
Smallmouth buffalo	5
Bigmouth buffalo	3
Freshwater drum	2
Grass carp	1
Longnose gar	1
All species	27

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eDNA Monitoring Project

One USFWS-Columbia boat and crew obtained 100 water samples (plus six control samples) for eDNA analysis from Lake Calumet and the Calumet River/Little Calumet River on July 12. Samples were filtered at the USEPA lab in Chicago and forwarded to ERDC in Vicksburg, MS for analysis. Results of eDNA analysis will be reported on the USACE web site listed below as they become available.

<http://www.lrc.usace.army.mil/AsianCarp/eDNA.htm>

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Barrier Defense Asian Carp Removal Project

Dresden Island Pool: 10-24 miles downstream from Dispersal Barrier

Marseilles Pool: 24-51 miles downstream from Dispersal Barrier

Starved Rock Pool: 51-65 miles downstream from Dispersal Barrier

Five commercial fishing boats and crews and five IDNR observers fished a combined 28,700 yards of net from Tuesday-Friday, July 12-15. Netting effort focused on the Marseilles Pool near Morris (21,600 yards of net), but also took place in Starved Rock Pool (7,100 yards of net). A total of 1,409 bighead carp and 584 silver carp were removed during the effort. The combined harvest for both species was 40,620 pounds and 73% of this total was taken from the Marseilles Pool. A 2011 cumulative removal summary for all locations combined is included below.

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QUICK SUMMARY:

Number of Days Fished	23	days
Number of Net Crews	115	crew-days
Miles of Nets Fished	103.1	miles
Number of Bighead Carp	10,691	fish
Number of Silver Carp	5,237	fish
Number of Grass Carp	5	fish
Number of Asian Carp (AC)	15,933	fish
Tons of AC Harvested	160.2	tons
Average number AC per 1,000 yards net	81.6	fish

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Larval Fish, zooplankton, and Productivity Monitoring

From July 11-15, two INHS boats and crews again sampled larval fish, zooplankton, and water quality from 21 locations on the Illinois River, lower Des Plaines River, and CAWS. This sampling effort included all of the 21 sites designated for larval fish/productivity sampling. Samples are currently being processed and results will be made available upon completion of sample processing.

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Gear Evaluation Study

One INHS boat and crew sampled with multiple gears in the Dresden Island Pool near I-55 (approximate river mile = 278) and the Marseilles Pool near Morris (approximate river mile = 261) from July 11-15. A combined total of 1,717 fish from representing at least 41 species and 2 hybrid groups were sampled. Three bighead carp were sampled in Dresden Island Pool and 32 bighead carp and 12 bighead x silver carp hybrids were sampled from the Marseilles Pool. All captured Asian carp were adults.

A summary of sampling effort and combined catch for all gears is listed below.

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

Species	Marseilles Pool	Dresden Island Pool	All sites
Red shiner	346	4	350
Gizzard shad	268	16	284
Bluntnose minnow	73	110	183
Bluegill	74	91	165
Channel catfish	49	22	71
Steelcolor shiner	60		60
Bullhead minnow	60		60
Common carp	17	31	48
Sand shiner	41		41
Emerald shiner	39	1	40
Bighead carp	32	3	35
Smallmouth buffalo	22	8	30
Largemouth bass	14	11	25
Skipjack herring	14	3	17
White bass	10	6	16
River carpsucker	13		13
Bighead x Silver carp hybrid	12		12
Round goby	7	5	12
Freshwater drum	9	1	10
Spottail shiner	8	1	9
Green sunfish		9	9
Spotted gar	5	2	7
Longnose gar	3	2	5
Goldeye	4		4
Orangespotted sunfish	3	1	4
Quillback	3		3
Flathead catfish	3		3
Brook silverside	3		3
Pumpkinseed		3	3
Rockbass		3	3
Shortnose gar	2		2
Spotfin shiner	2		2
Bigmouth buffalo	2		2
Yellow bullhead		2	2
Black buffalo	1		1
Shorthead redhorse	1		1
Silver redhorse	1		1
White perch	1		1

Smallmouth bass		1	1
Hybrid sunfish		1	1
White crappie	1		1
Sauger	1		1
Rainbow darter	1		1
Unidentified fish	127	48	175
All species	1332	385	1717

[No Comments](#)[Older Entries](#)