

## 2018 September Summary

**Bottom Line:** Multiple agencies participated in monitoring Asian Carp in the upper Illinois Waterway downstream of the Electric Dispersal Barrier during September. **NO LIVE BIGHEAD CARP, BLACK CARP, GRASS CARP, OR SILVER CARP were found in any new locations immediately downstream of the Electric Dispersal Barrier.**

### Fixed, Random, and Targeted Site Sampling Downstream of the Electric Dispersal Barrier

#### Commercial Netting:

- No contracted commercial netting took place during September due to seasonal intensive monitoring above the electric fish barrier.

#### Electrofishing:

- No electrofishing was completed due to seasonal intensive monitoring above the electric fish barrier.

#### Hoop and Mini Fyke Netting:

- Crews from IDNR set and pulled 16 hoop nets and 16 mini fykes from fixed sites in Lockport, Brandon Road, Dresden Island and Marseilles Pools in September.
- Crews collected 91 fish representing 8 species and 1 hybrid group during hoop net sampling and 565 fish representing 25 species and 1 hybrid group during mini fyke sampling.
- One Bighead Carp and 3 Silver Carp were collected during hoop net sampling in the Marseilles Pool.
- **No Bighead Carp or Silver Carp were reported, captured or observed during hoop net sampling in the Lockport or Brandon Road.**
- **No Bighead Carp or Silver Carp were reported, captured or observed during mini fyke sampling in any of the pools.**

Sampling results by pool below the electric dispersal barrier through September 2018, along with the same time period in 2016 and 2017 for comparison:

#### Lockport Pool

	2016	2017	2018
Yards of Net Fished	75,600	65,400	62,500
Miles of Net Fished	43.0	37.2	35.5
Hoop Net Nights	45.7	39.4	40.8
Mini Fyke Net Nights	22.3	21.0	20.9
Electrofishing Runs	91	104	27
Electrofishing Time (hrs)	22.8	26.0	6.8
Total Asian Carp (AC)	0	0	0
Tons of AC Harvested	0	0	0

*Brandon Road Pool*

	<b>2016</b>	<b>2017</b>	<b>2018</b>
<b>Yards of Net Fished</b>	72,125	75,800	62,800
<b>Miles of Net Fished</b>	32850.0	43.1	35.7
<b>Hoop Net Nights</b>	46.0	42.6	39.2
<b>Mini Fyke Net Nights</b>	22.5	23.5	18.8
<b>Electrofishing Runs</b>	91	107	24
<b>Electrofishing Time (hrs)</b>	22.8	26.8	6.0
<b>Total Asian Carp (AC)</b>	0	0	0
<b>Tons of AC Harvested</b>	0	0	0

*Dresden Island Pool*

	<b>2016</b>	<b>2017</b>	<b>2018</b>
<b>Yards of Net Fished</b>	67,100	79,100	133,300
<b>Miles of Net Fished</b>	38.1	44.9	75.7
<b>Hoop Net Nights</b>	46.3	335.3	36.4
<b>Mini Fyke Net Nights</b>	24.2	26.9	19.7
<b>Electrofishing Runs</b>	183	167	105
<b>Electrofishing Time (hrs)</b>	45.8	41.8	26.3
<b>Asian Carp (AC) upstream I-55</b>	13	27	4
<b>AC downstream I-55</b>	270	518	906
<b>Total AC</b>	283	545	910
<b>Tons of AC Harvested</b>	1.2	5.4	8.7
<b>AC/1000 yds of gill net</b>	3.7	6.6	6.8

*Rock Run Rookery*

	<b>2016</b>	<b>2017</b>	<b>2018</b>
<b>Yards of Net Fished</b>	39,075	30,000	29,400
<b>Miles of Net Fished</b>	22.2	17.0	16.7
<b>Pound Net nights</b>	0	0	4
<b>Bighead Carp</b>	131	163	59
<b>Silver Carp</b>	34	33	50
<b>Total Asian Carp (AC)</b>	165	196	109
<b>Tons of AC Harvested</b>	2.6	3.2	1.5
<b>AC/1000 yds of gill net</b>	4.2	6.5	3.7

**Seasonal Intensive Monitoring**

Seasonal Intensive Monitoring (SIM) took place above the electric dispersal barrier the weeks of September 10<sup>th</sup> and September 17<sup>th</sup>. Electrofishing and commercial netting occurred in the North Shore Channel, North and South Branches of the Chicago River, Chicago River, CSSC, Cal-Sag Channel, Little Calumet River, Calumet River and Lake Calumet.

### Commercial Netting:

- Contracted commercial fishers along with assisting IDNR biologists set 40.9 miles of gill net (390 sets) at fixed and random sites.
- Crews collected 543 fish representing 13 species.

### Electrofishing:

- Crews from IDNR, USACE and USFWS completed 172 electrofishing runs at fixed and random sites (43 hours total).
- Crews collected 12,740 fish from 44 species.

**A total of 13,283 fish representing 49 species were collected in all gear types combined during the two week SIM event. No Bighead Carp or Silver Carp were observed or collected during September SIM.**

### Asian Carp Removal Project

Removal takes place specifically in the Marseilles and Starved Rock Pools. Below is a summary of all IDNR Barrier Defense activities through September 2018, along with the same time period in 2016 and 2017 for comparison:

	2016	2017	2018
Number of Days Fished	69	63	69
Number of Net Crew Days	478	427	445
Yards of Net Fished	392,295	323,510	309,000
Miles of Nets Fished	222.9	183.8	175.6
Number of Pound Net Nights	67	74	26
Number of Hoop Net Nights	768.7	879.8	1217.1
Number of Bighead Carp	51,281	2,396	2,913
Number of Silver Carp	95,033	99,366	97,387
Number of Grass Carp	450	629	911
Number of Asian Carp (AC)	146,764	102,391	101,211
Tons of AC Harvested	368.0	358.5	379.7
AC/1000 yds of gill net	224.9	269.5	308.5

### Marseilles Pool

	2016	2017	2018
Yards of Net Fished	286,675	204,410	129,000
Miles of Nets Fished	162.9	116.1	73.3
Pound Net nights	20	35	15
Hoop Net nights	128.9	89.4	263.5
Mini Fyke Net Nights	21.8	19.4	15.7
Electrofishing Runs	120	108	97

<b>Electrofishing Time (hrs)</b>	30.0	27.0	24.3
<b>Bighead Carp</b>	5,285	1,332	1,323
<b>Silver Carp</b>	45,996	33,057	28,864
<b>Grass Carp</b>	86	59	41
<b>Total Asian Carp</b>	51,367	34,448	30,228
<b>Tons of AC Harvested</b>	222.7	149.8	144.1
<b>AC/1000 yds of gill net</b>	146.0	159.7	223.4

*Starved Rock Pool*

	<b>2016</b>	<b>2017</b>	<b>2018</b>
<b>Yards of Net Fished</b>	105,620	119,100	180,000
<b>Miles of Nets Fished</b>	60.0	67.7	102.3
<b>Hoop Net nights</b>	683.1	831.2	992.6
<b>Bighead Carp</b>	1,847	1,064	1,590
<b>Silver Carp</b>	49,037	66,309	68,523
<b>Grass Carp</b>	435	621	870
<b>Total Asian Carp</b>	51,319	67,994	70,983
<b>Tons of AC Harvested</b>	143.4	207.7	232.0
<b>AC/1000 yds of gill net</b>	438.9	458.0	369.6