

Michigan is networking with other agencies to address the Asian carp threat. Read the plan, stay informed and learn more at [www.michigan.gov/asiancarp](http://www.michigan.gov/asiancarp).

- Prevention
- Communication
- Detection
- Assessment
- Management

### The plan addresses:

The Michigan DNR has developed a comprehensive plan to prevent the introduction of Asian carp to Michigan waters.

### What We're Doing:



Silver carp pose a hazard to boaters. The vibration caused by a boat propeller may make silver carp jump out of the water as high as five feet, potentially causing physical injury to people on the water.

### Asian Carp Create a Safety Hazard

If you believe you have seen or caught an Asian carp, or you have found one in your bait bucket, the DNR wants to hear from you. DO NOT release it! Please visit [www.michigan.gov/asiancarp](http://www.michigan.gov/asiancarp) to fill out an online Asian carp reporting form, or call us at 517-373-1280. We'll want to know the details, such as where you caught it and when. You can play a role in helping us keep our waters great!

### Report Asian Carp How You Can Help:

### Other Resources:

- [www.michigan.gov/asiancarp](http://www.michigan.gov/asiancarp)
- [www.miseagrant.umich.edu/ais](http://www.miseagrant.umich.edu/ais)
- [www.glfcc.org](http://www.glfcc.org)
- [www.asiancarp.org](http://www.asiancarp.org)
- [www.iisgcp.org/asiancarp](http://www.iisgcp.org/asiancarp)

# Asian Carp

Know the facts and learn how you can help



Recognize carp and protect our waters from them

[www.michigan.gov/asiancarp](http://www.michigan.gov/asiancarp)



The Department of Natural Resources and Environment is committed to the conservation, protection, management, and accessible use and enjoyment of the state's environment, natural resources, and related economic interests for current and future generations.



- Can be more than 5 ft long and weigh more than 80 lbs.
- Have large scales that appear crosshatched
- Eyes sit even with the mouth

### Grass Carp:



- Are smaller than the bighead
- Can weigh up to 60 lbs and exceed 3 ft in length
- Are light silver in color with a white belly
- Eyes sit below the mouth

### Silver Carp:



- Can weigh up to 90 lbs and be nearly 5 ft in length
- Can consume up to 40% of their body weight daily
- Have a very large head and toothless mouth
- Adult fish are dark gray with dark blotches
- Eyes sit below the mouth

### Bighead Carp:

The bighead and silver carp present the most severe threat to Michigan waters.

### Learn to Identify Asian Carp How You Can Help:

### Asian Carp are Moving Toward Michigan

Asian carp were brought to North America in the 1970s primarily to eat algae in aquaculture ponds. They escaped from the ponds into the Mississippi and Illinois rivers and are migrating toward Lake Michigan.

### There are four species of Asian carp that threaten Michigan waters:

- Bighead
- Silver
- Grass
- Black

### Asian Carp Threaten Our Native Fish

If these carp become established in Michigan waters, they will eat the food supply that our native fish depend on and crowd them out of their habitat. This will greatly reduce your chance to catch your favorite game fish.

### Asian carp:

- Are fast growing
- Can weigh up to 100 lbs.
- Reproduce rapidly
- Have large appetites
- Eat plankton, which our native fish depend upon for food

### How You Can Help:

### Don't Dump Your Bait!

By law it's illegal to dump live bait into any water body. Michigan DNR has an obligation to preserve and protect our resources.

"It is illegal to transport or possess live specimens of bighead, silver, grass or black carp." (Fisheries Order 209)

- Check your bait; baitfish can contain Asian carp
- Be aware and know what's in your bucket
- Identification of minnows and small carp can be confusing
- See reverse side of this brochure for bait identification
- DO NOT release baitfish into any body of water
- Dispose of any unwanted bait into the trash, not into the water





# Don't Confuse Young Asian Carp with these Common Michigan Species!

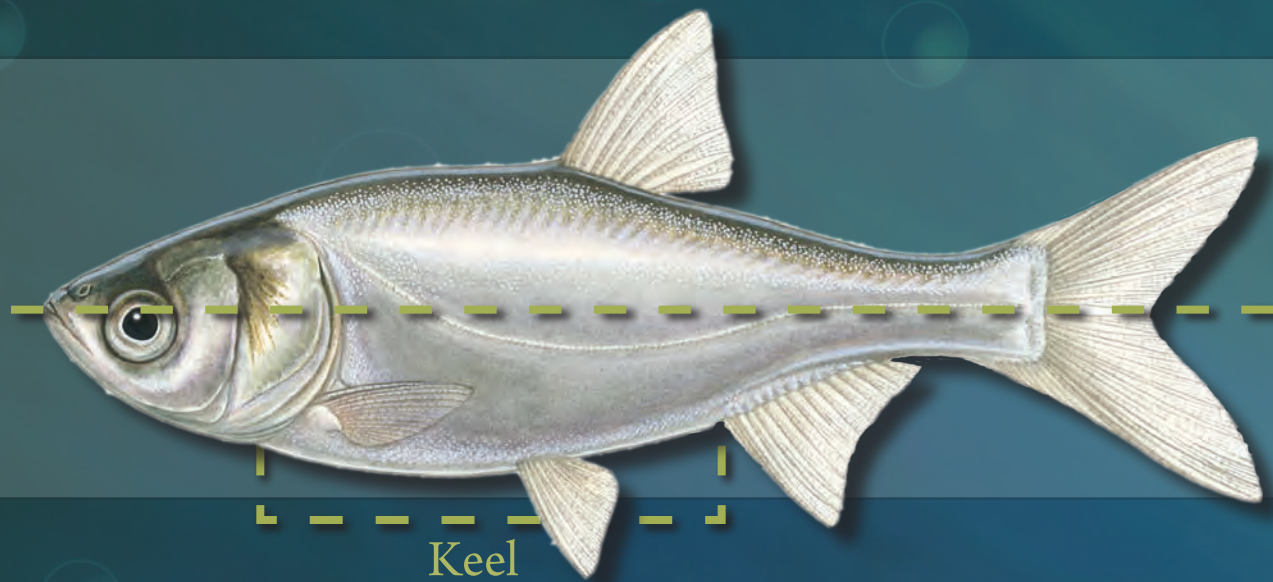
## Juvenile Asian Carp

## Common Minnows



### Juvenile Bighead Carp

**Color / Markings:** Silvery, with mottled dark blotches (especially on back), upturned mouth  
**Length:** 2 - 4 inches is common bait size  
**Keel:** (Ridge on the underbelly) Prominent, extending from anal fin to pelvic fins (mid-body), no scales  
**Scales:** Very small (fine)  
**Eyes:** Small, positioned below line extending from tail to snout (See dotted line above)



### Juvenile Silver Carp

**Color / Markings:** Silvery, without dark blotches or coloration on back, upturned mouth  
**Length:** 2 - 4 inches is common bait size  
**Keel:** (Ridge on the underbelly) Prominent, extending from anal fin to gills, no scales  
**Scales:** Very small (fine)  
**Eyes:** Positioned below line extending from tail to snout (See dotted line above)



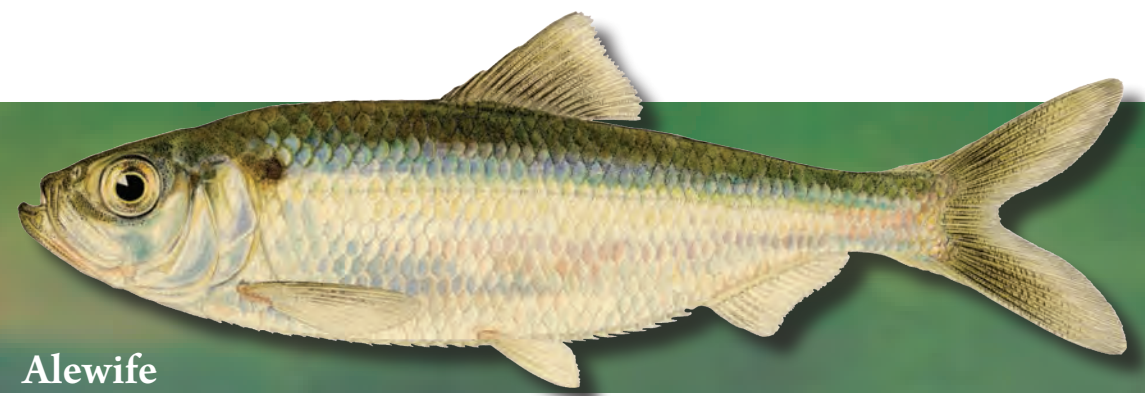
### Juvenile Grass Carp

**Color / Markings:** Pale gray to gold coloration, scales show a prominent dark edge, giving a cross-hatched appearance, terminal to slightly downturned mouth  
**Length:** 2 - 4 inches is common bait size  
**Keel:** Absent  
**Scales:** Intermediate to Large  
**Eyes:** Positioned on line extending from tail to snout.

### Check your bait!

If you see Asian carp in your bait bucket, report it at [www.michigan.gov/asiancarp](http://www.michigan.gov/asiancarp) or call 517-373-1280. Don't dump your bait, put them in the trash.

*Juvenile Asian Carp illustrations by Emily Damstra.*



### Alewife

**Color / Markings:** Silvery-green, darker blue-grey back, slightly upturned mouth  
**Length:** 5-7 inches is common bait size  
**Keel:** (Ridge on the underbelly) Prominent, extending from anal fin to gills, with scales that line up in a row to give it a sawtooth appearance  
**Scales:** Intermediate to large  
**Eyes:** Positioned on line extending from tail to snout



### Emerald Shiner

**Color / Markings:** Silver with green iridescence, terminal mouth  
**Length:** 3-4 inches is common bait size  
**Keel:** Absent  
**Scales:** Intermediate to large  
**Eyes:** Positioned on line extending from tail to snout



### Spottail Shiner

**Color / Markings:** Sides with greenish blue back, prominent dark spot on tail, terminal mouth  
**Length:** 3-4 inches is common bait size  
**Keel:** Absent  
**Scales:** Intermediate to large  
**Eyes:** Positioned on line extending from tail to snout



### Golden Shiner

**Color / Markings:** Gold or brassy, deep-bodied with a lateral line running along the sides and dipping down in the middle of the body, silvery/black lateral stripe in juveniles, terminal to slightly upturned mouth  
**Length:** 3-7 inches is common bait size  
**Keel:** (Ridge on the underbelly) Present, extending from anal fin to pelvic fins (mid-body), no scales, less distinct than alewife and Asian carp  
**Scales:** Intermediate to large  
**Eyes:** Positioned on line extending from tail to snout

*Common Minnow illustrations by Joe Tomelleri.*