

**PERMIT TO COLLECT WILDLIFE  
FOR SCIENTIFIC & EDUCATIONAL PURPOSES**

Under the authority of Connecticut General Statutes, Sections 26-60, and 26-57, this permit is hereby granted by the Department of Energy & Environmental Protection to:

<b>Organization/ Institution:</b>	Connecticut Department of Energy and Environmental Protection	860-490-0701 <hr/> Work Phone <hr/> Home Telephone andrew.bade@ct.gov <hr/> Email Contact
	<b>Permittee:</b> Andrew Bade	
	<b>Department:</b> Fisheries Division	
	<b>Address:</b> 79 Elm Street	
	<b>City, State, Zip Code:</b> Hartford, CT, 06106-5127	

**AUTHORIZED TO:**

**Species:** Triploid Grass Carp (*Ctenopharyngodon idella*)

**Location of Collection:** Candlewood Lake and Squantz Pond

**Activities authorized:** Capture and euthanize up to **200** triploid grass carp using legal angling methods.

Grass carp collected will be immediately and humanely euthanized via blunt force trauma, cervical separation, exsanguination, or cold shock. Guidance on how to euthanize carp is provided in Attachment A.

**Subpermittees:**

Subpermittees will include volunteers that have certified they will follow all conditions of this permit, the most current list of approved volunteers is maintained by Joseph Cassone (CT DEEP: joe.cassone@ct.gov) and Andrew Bade (CT DEEP: andrew.bade@ct.gov). Subpermittees must agree to all permit conditions and register using the form at: <https://survey123.arcgis.com/share/3024a8b385a848b8b2ae98a3f55ac8ae>

**Disposition of Specimens:** All Triploid Grass Carp specimens collected must be properly disposed of offsite, or provided to CT DEEP Fisheries staff.

**Special Conditions:**

1. Triploid Grass Carp captured under this permit must be reported to the Permittee on a Special Grass Carp Survey Form; this form is available at <https://survey123.arcgis.com/share/8e626e36b7154e8c8170ff5cb21bf7a2>. The form is considered incomplete unless the following is provided for each Triploid Grass Carp caught: total length (measured to nearest 1/4"), the GPS coordinates of location of capture, date of capture, and photographs documenting each catch. The Survey Form must be returned to the permittee within 48 hours of capturing a Triploid Grass Carp.
2. Triploid Grass Carp must be immediately euthanized and shall not be possessed or transported alive.
3. This permit only authorizes the capture of Triploid Grass Carp at Candlewood Lake and Squantz Pond.
4. Subpermittees must adhere to all relevant Connecticut Recreational Fishing Regulations.

**GENERAL CONDITIONS:**

1. All persons that will assist in the collection of fish authorized by this permit shall work under the direction of the permittee and provided a copy of this permit. Said permit shall be carried by any person assisting the permittee when such person is engaged in collecting wildlife authorized by this permit.
2. The permittee shall submit to the Department a report of all individuals taken or captured annually by **January 15th**. This report shall include, but not be limited to: numbers and species of all individuals handled, captured or taken; task accomplished; findings; conclusions and recommendations.
3. This permit shall not be substituted for a fishing license for the taking of sportfish.
4. Such permit is subject to permission of the landowner on whose land collecting or relocation takes place.
5. Collection of any federally protected wildlife species requires the permittee to hold and carry the proper Federal permits in addition to this state permit.

**Permit Number:**

**Permit Duration:** June 12, 2023 - November 30, 2023

**Expiration:** 11/30/2023

- cc: ● Law Enforcement  
● Laura Saucier, Wildlife Division  
● Jacob Helbig, Parks Division  
● Andrew Bade, Fisheries Division  
● Sharon O'Neil, Parks Division

<b>Approved by:</b>

Pete Aarrestad, Director, Fisheries Division
Date: <u>6/15/2023</u>

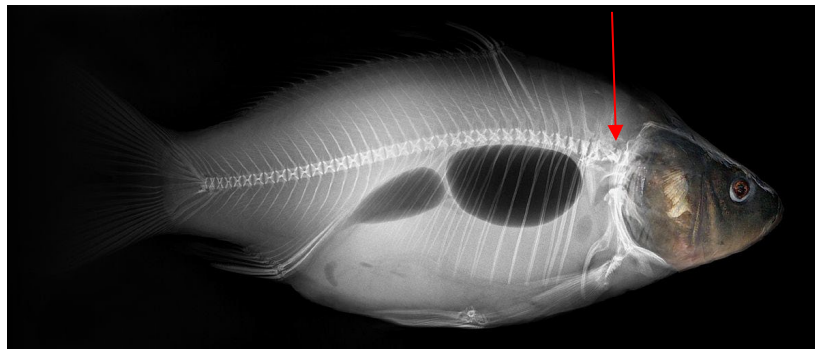
**79 Elm Street, Hartford, CT 06106-5127**  
**www.ct.gov/deep**  
**Affirmative Action/Equal Opportunity Employer**

## Attachment A: Triploid Grass Carp Euthanasia Guidance

After capturing a Triploid Grass Carp from Candlewood Lake, anglers authorized by this collector's permit must promptly and humanely dispatch the carp. The methods detailed below are standard methods of fish euthanasia that do not require specialized equipment or training and can be readily implemented by volunteer anglers (i.e., subpermittees). These methods may be used individually or in combination.

**Blunt Force Trauma:** After landing a grass carp, a sharp blow or blows to the top of the head with a heavy object can stun and kill the fish. Suitable objects include but are not limited to: fish bat (a.k.a. billy), metal pipe, large wooden dowel, or similar heavy hand-held objects. Blunt force trauma to the top of head is suitable as a standalone method and can also be used before applying any of the additional methods detailed below.

**Cervical Dislocation (Severing of spinal cord):** The severing of the spinal cord is a suitable method to quickly dispatch a fish, however angler safety needs to be top of mind when using this method since it entails the use of a sharp implement. To sever the spinal cord a sharp object such as a knife should be inserted between the skull and the first vertebrae. This area is roughly in-line with the back edge of the gill plate. The knife should be inserted from the dorsal (back side of the fish) and pushed straight down to sufficient depth to reach the spinal cord. Once at the correct depth the knife can be worked from side to side to ensure the cord is severed. This location is indicated with red arrows in **Figure 1**. Anglers are encouraged to use caution when working with knives or other sharp implements and only use this method if they are comfortable doing so. The use of blunt force trauma to the head before attempting to sever the spinal cord will make the fish easier to handle.



**Figure 1:** An X-ray of a common carp indicating the location of the first vertebrae behind the skull. Please note that the target species authorized by this permit are triploid grass carp. A common carp is shown due to its similarity in structure to grass carp and for illustrative purposes.

**Exsanguination (Bleeding):** Triploid grass carp can be dispatched via bleeding; to properly bleed a fish multiple gill arches should be safely cut with a knife or scissors. The bleeding of fish may be used in combination with the blunt force trauma method. The bleeding of fish can also enhance the quality of the meat if anglers intend to eat the triploid grass carp they catch.

**Cold Shock (Freezing):** Fish can be dispatched via cold shock or placing in ice. Anglers are encouraged to use this method in combination with one of the other methods above. Placing triploid grass carp on ice also enhances and preserves the quality of the meat if anglers intend to eat the triploid grass carp they catch.