



**IMPORTANT:** This document does not constitute the complete application, nor a complete permit; it just lists the Authorizations for the Inland Fisheries review program (Inland Fisheries General Use permit).

#### 4c. INLAND FISHERIES AUTHORIZATIONS

**Authorized Individuals (and any unnamed Field Assistants) conducting activities under an issued Inland Fisheries General Use Permit shall adhere to the following Inland Fisheries Conditions:**

- All Standard Conditions for Scientific Collecting Permits;
- All captured wildlife will be released alive and unharmed at the site of capture, and may not otherwise be removed from the wild, except as provided in conditions F1-F3 below, and except for invertebrate voucher specimens, non-native fish authorized for sacrifice, and animals incidentally injured or killed during permitted activities.
- Permitholder shall be aware of the spawning season and status of spawning for that year of any anadromous fish in anadromous waters (e.g., streams, rivers or other waterbodies) for any location proposed for sampling under this General Use permit.
- **Modifications for fishery management:** The Department reserves the right to modify, or suspend, a permit to reduce take limits on any species, should a fishery management action lead to a change in listing status, reduced fishing limits, or the closure of a fishery. This would only be done as a measure of last resort, but it would apply to all active General Use permits affected.
- **Decontamination:** All Permitholders shall follow the Department's Aquatic Invasive Species Decontamination Protocol attached as a condition to all permits.
- No requests to receive or possess Department Hatchery Fish or Fish Products for Research will be considered under an Inland Fisheries General Use Permit.
- **Reporting:** Form DFW 1379(a) (Mandatory Wildlife Report) shall be used as a trip log and shall be maintained at all times and present while collecting, detailing the current month's collecting activities. A compiled log for the entire permit shall be submitted quarterly on a calendar basis on the following schedule- April 15<sup>th</sup>, July 15<sup>th</sup>, October 15<sup>th</sup>, and January 15<sup>th</sup> to the Inland Fisheries program contact, as outlined in permit conditions. If you did not collect any wildlife, or collected the same individuals as another Permitholder, you still need to submit a report. Refer to the instructions on form DFW 1379a. Individuals conducting Surface Water Ambient Monitoring Program (SWAMP) sampling shall report to the California Environmental Data Exchange Network (CEDEN), pursuant to instructions on form DFW 1379a.
- All restrictions from one or more of your selected wildlife group(s) below that match your justification in Section **4b**.

#### Inland Aquatic Invertebrates (F1)

**Aquatic invertebrates may be taken in inland California, in accordance with the restrictions below.**

**Wildlife and Activities:** Inland aquatic invertebrates taken in inland waters (includes salt or freshwater), including freshwater invertebrates listed as federally- Threatened or Endangered in accordance with a valid federal permit may be captured, handled, and released. Limited sacrifice of voucher specimens is authorized only as needed for identification.

**Prohibited Wildlife:** The following species shall not be targeted and if caught incidentally, shall be immediately released in good condition without further handling. Work shall immediately cease upon capture of any freshwater bivalves or state listed fish or invertebrates not authorized by a CESA MOU. The PI shall contact the Inland Fisheries review program lead to discuss the incident, and agree to any necessary corrective changes in procedures before resuming activities. Any incidental by-catch of Prohibited Wildlife shall be reported as released on form DFW 1379a.

- Native freshwater bivalves
- State- Candidate, Threatened and Endangered, invertebrates

**Methods and Equipment:** hand and net only for capture, handling, and release (equipment marked per Standard Conditions for SCPs, Standard Condition M):

- Dip nets up to 18 inches in diameter with 1/8" mesh or smaller may be used for capture.
- Minnow traps up to 24" inches in length with 1/4" or smaller mesh may be fished. Traps may be baited to target a specific species, but all traps shall be checked at least every 6 hours. When fish are present in the area sampled, all trapping shall cease in any location upon capture of any crayfish species.
- Hand capture may be used.
- SWAMP Methods and equipment used for implementing SWAMP protocols (see Procedures and Protocols below).
- Drift nets designed for sampling aquatic invertebrates, Surber/Hess samplers, and Hester Dendy, leaf pack or similar samplers may be used in educational demonstrations for teaching collection methods.

**Limit and Disposition:** Capture, Handle, and Release – unlimited. Limited sacrifice of native and non-native invertebrates for voucher specimens is authorized only as needed for identification or taxonomy – not to exceed 10% of a local population. Invertebrates incidentally injured or killed during permitted activities may be salvaged.

**Procedures and Protocols:** Surface Water Ambient Monitoring Program (SWAMP) or the most recent Department-approved bioassessment protocol may be used by qualified or certified individuals only after coordination and approval with the Department's Aquatic



Bioassessment Lab, by contacting [Bioassessment@wildlife.ca.gov](mailto:Bioassessment@wildlife.ca.gov), or other Department staff. Methods and Equipment are allowed for use, in accordance with the most recent protocol, which should be carried with other permit documents when sampling in the field.

**Locations:** Throughout inland waters in California, except where access would be needed from adjoining designated natural areas (e.g., CDFW Ecological Reserves and Wildlife Areas, State Parks, National Wildlife Refuges, National Parks, and private property without landowner permission) may not be sampled without all proper authorizations.

**Additional conditions for Inland Aquatic Invertebrates may be specified as Conditions of your Inland Fisheries General Use Permit at time of issuance.**

## Inland Non-Anadromous Fish (F2)

**Non-anadromous fish may be taken in inland California, in accordance with the restrictions below.**

**Wildlife and Activities:** Non-anadromous fish taken in inland waters (including non-anadromous fish listed as federally- Threatened or Endangered in accordance with a valid federal permit) may be captured, handled, and released, as noted below. Non-native, non-anadromous freshwater fish incidentally encountered during field activities may be captured and sacrificed as noted below. Non-native, non-anadromous freshwater fish are any non-anadromous freshwater fish species that are not native to California.

**Prohibited Wildlife:** The following fish shall not be targeted and if incidentally captured, shall be immediately released in good condition without further handling. Work shall immediately cease upon capture of any state listed fishes not authorized by a CESA MOU. The PI shall contact the Inland Fisheries review program lead to discuss the incident and agree to any necessary corrective changes in procedures before resuming activities. Any incidental by-catch of Prohibited Wildlife shall be reported as released on form DFW 1379a.

- State- Candidate, Threatened and Endangered, and Fully Protected fish species.
- California Fish Species of Special Concern (FSSC) that are considered of “Critical” and “High Status” by the Department.
- Non-anadromous fish federally listed under the federal Endangered Species Act without proper federal permitting.

**Methods and Equipment:** Take is prohibited if water temperatures exceed 21°C (measured at ≥ 10 inches below the water surface within two meters of sampling location). Captured animals may be held for no longer than 10 minutes for identification, measurement, and/or weight at the location of capture. Water within any holding container shall be kept within 2°C of in-water temperatures at all times and may not exceed 21°C; a recovery container and aerators shall be used based on the discretion of the PI or Authorized Individual(s) for welfare of fish handled. Use of anesthetic is prohibited under this permit.

All take, with the exception of spear fishing, shall be non-lethal (no sacrifice or high mortality risk), and may only occur by the following methods and restrictions (equipment marked per Standard Conditions for SCPs, Standard Condition M):

- Angling – may be conducted by un-baited barbless artificial lure or fly. Type of equipment shall be selected based on the size and species being captured and should minimize impacts to fish. Chumming is prohibited.
- Dip nets – dip nets up to 18 inches in diameter with 1/8" mesh or smaller may be used for capture.
- Minnow traps – Traps up to 24" inches in length with 1/4" or smaller mesh may be fished. Traps shall be checked at least every 6 hours. Traps may be baited to target a specific species. All trapping shall cease in any location for each sampling effort upon capture of any crayfish species.
- Electrofishing – One pass backpack electrofishing may be conducted in non-anadromous waters 18°C or below in accordance to the most recent Departmental, or National Marine Fisheries Service (National Oceanic and Atmospheric Administration, NOAA)’s electrofishing protocol or guidelines, by individuals with experience following the most recent Departmental, or NOAA protocol or guidelines to electrofish for the same, or closely related species. Boat electrofishing is prohibited. Electrofishing should be avoided in waters where CESA or federally listed, and other sensitive larval-stage amphibians occur. If you are electrofishing where listed and sensitive larval-stage amphibians occur, you shall request written authorization from the Department for the amphibian species affected.
- Seines – one seine haul per location (≥ 100m apart), using a knotless mesh nylon seine ≤ 4m x 2m, may be used by qualified individuals. Mesh size may be variable but may not exceed 1/4". Seine hauls shall not exceed 10 min from the time of deployment to return of fish into the source freshwater body.
- Spear fishing – only non-native freshwater fish may be taken by spear when the target species and size are easily identifiable and water visibility is clear.

**Limit:** Sampling frequency using the above methods and equipment shall not exceed two sampling efforts per month (≥ 1 week apart) in each location (>100 meters apart). Each sampling effort, at each location, shall cease upon cumulative take of 40 or more fish (all species), or take of 10 or more fish of a single species.

**Size and season restrictions:** There are no size restrictions for any species authorized under this permit. Take under this General Use permit is prohibited in anadromous waters during the spawning season of any anadromous species.



**Procedures and Disposition:** Only Capture, Handle and Release is authorized, with the exception of spear fishing of non-native fish as described above. Tissue sampling, tagging, marking, use of chemicals or dyes, use of anesthetics, or surgery, is not authorized under this permit, but may be authorized under a Specific Use permit. Any handling technique not listed here is not authorized under this permit.

- If any incidental mortalities or serious injuries result from the permitted activities, the Permitholder shall immediately suspend take activities and notify the Inland Fisheries permit review lead. Specimens shall be held until further coordination is made with the Inland Fisheries review program lead to determine final disposition of the animal. Sampling efforts may only be resumed upon written approval of the Inland Fisheries permit review lead.

**Locations:** Throughout inland waters in California, except where access would be needed from adjoining designated protected areas; e.g., CDFW Ecological Reserves and Wildlife Areas, State Parks, National Wildlife Refuges, National Parks, and private property (without landowner permission) may not be sampled without all proper authorizations.

**Additional conditions for Inland Non-anadromous Fish may be specified as Conditions of your Inland Fisheries General Use permit at time of issuance.**

## Anadromous Fish (F3)

**Anadromous fish may be taken in inland California, in accordance with the restrictions below.**

**Wildlife and Activities:** Anadromous fish taken in inland waters (including anadromous fish listed as federally- Threatened or Endangered in accordance with a valid federal permit) may be captured, handled, and released.

**Prohibited Wildlife:** The following fish shall not be targeted and if incidentally captured, shall be immediately released in good condition without further handling. Work shall immediately cease upon capture of any state listed fishes not authorized by a CESA MOU. The PI shall contact the Inland Fisheries review program lead to discuss the incident and agree to any necessary corrective changes in procedures before resuming activities. Any incidental by-catch of Prohibited Wildlife shall be reported as released on form DFW 1379a.

- State-, Candidate, Threatened and Endangered, and Fully Protected fish species.
- California Fish Species of Special Concern (FSSC) that are considered of “Critical” and “High Status” by the Department.
- Anadromous fish federally listed under the federal Endangered Species Act without proper federal permitting.

**Methods and Equipment:** Take is prohibited if water temperatures exceed 21°C (measured at ≥ 10 inches below the water surface within two meters of sampling location). Captured animals may be held for no longer than 10 minutes from time of capture until released for identification, measurement, and/or weight at the location of capture. Water within any holding container shall be kept within 2°C of in-water temperatures at all times and may not exceed 21°C; a recovery container and aerators shall be used based on the discretion of the PI or Authorized Individual(s) for welfare of fish handled. Use of anesthetic is prohibited under this permit.

All take shall be non-lethal (no sacrifice or high mortality risks), and may only occur by the following methods and restrictions:

- Angling - may be conducted by un-baited barbless artificial lure or fly. Type of equipment shall be selected based on the size and species being captured and should minimize impacts to fish. Chumming is prohibited.
- Dip Nets - dip nets up to 18 inches in diameter with 1/8" mesh or smaller may be used.
- Minnow traps - Traps up to 24" inches in length with 1/4" or smaller mesh may be fished. Traps shall be checked at least every 6 hours. Traps may be baited to target a specific species. All trapping shall cease in any location for each sampling effort upon capture of any crayfish species.
- Seines - one seine haul per location (≥ 100m apart), using a knotless mesh nylon seine ≤ 4m x 2m, may be used by qualified individuals. Mesh size may be variable but may not exceed 1/4". Seine hauls shall not exceed 10 min from the time of deployment to return of fish into the source freshwater body.

**Limit:** Sampling frequency shall not exceed two sampling efforts per month (≥ 1 week apart) in each location (≤100 meters apart). Each sampling effort, at each location, shall cease upon cumulative take of 40 or more fish (all species), or take of 10 or more fish of a single species.

**Size and season restrictions:** There are no size restrictions for any species authorized under this permit. Take is prohibited in anadromous waters during the spawning season of any anadromous species.

**Procedures and Disposition:** Only Capture, Handle and Release is authorized. Tissue sampling, tagging marking, use of chemicals or dyes, use of anesthetics, or surgery, is not authorized under this permit, but may be authorized under a Specific Use permit. Any handling technique not listed here is not authorized under this permit.

- If any incidental mortalities or serious injuries result from the permitted activities, the Permitholder shall immediately suspend take activities and notify the Inland Fisheries permit review lead. Specimens shall be held until further coordination is made with the Inland Fisheries review program lead to determine final disposition of the animal. Sampling efforts may only be resumed upon written approval of the Inland Fisheries review lead.



State of California – Department of Fish and Wildlife

**SCIENTIFIC COLLECTING PERMIT, GENERAL USE – APPLICATION (INLAND FISHERIES)**

DFW 1379GF (NEW 09/01/17) Authorizations F1-F3

**Locations:** Throughout inland waters in California, except where access would be needed from adjoining designated protected areas; e.g. CDFW Ecological Reserves and Wildlife Areas, State Parks, National Wildlife Refuges, National Parks, and private property (without landowner permission) may not be sampled without all proper authorizations.

**Additional conditions for Anadromous Fish may be specified as Conditions of your Inland Fisheries General Use Permit at time of issuance.**