**Application to Conduct Advanced Training for South Texas Master Naturalist**

**This form is for programs other than community and partner AT, Monthly Meeting AT and Intern Training. All presentations should comply with TMN mission**

**Presenter Name:** Chad Huckabee AT Subcommittee Approval: \_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Presentation Title:** Bay Fish Identification: A View from a Boat

**Type of Training:** Is this field (or laboratory), classroom or combination training (Circle one)

**Hours for Advanced Training Presentation:** 2, 3, 4, 5, 6 (Circle one)

**Objectives for the Presentation:**

* Collect fish (and invertebrate) samples from Corpus Christi Bay using an Otter Trawl
* Identify adaptations of fish living in the bay
* Identify fish and other community members living in the bay
* Describe the bay bottom based on the trawl samples
* Identify the external body parts of fish
* Identify the parameters the impact marine life in the bay (especially fish)
* Use a dichotomous key to identify families of fish caught during training

**What should Master Naturalist leave the presentation knowing or understanding?**

* Name five fish species collected and the fish family to which it belongs
* Use a dichotomous key to key out a fish you do not remember
* Describe the habitat in which the fish live
* Discuss general adaptations found in families of fish of the bay
* Explain how an otter trawl operates
* Explain the function of external features of the fish: gill openings, fins, scales, mucous, mouth location, bi-coloration etc.

**Facility/Equipment:**

* Boat with otter trawl; live buckets; preserve bags for vertebrates and vertebrates

**Supplies provided by participants (notebooks, lunch, outdoor apparel:**

* Outdoor ware and amenities; notebook; had lens; binoculars; camera; ziploc bag for cell phone and wallet

**Supply Cost/Gratuity (if any):**

**Pending**

**Time of Year to Conduct Presentation:** Please include season, morning, afternoon or all day,

* Spring or Fall

**Possible Dates:**

* Dates subject to availability of boat

**Minimum and Maximum Number of Participants: 24**

TMN Mission: “to develop a corps of well-informed volunteers who provide education, outreach, and service dedicated to the beneficial management of natural resources and natural areas within their communities for the state of Texas”