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

**This form is for Advanced Training programs developed and presented by volunteers of South Texas Master Naturalist**

**Presenter Name: Chad Huckabee, STMN**

**Presentation Title: Macro-Algae: A Primer for TMN**

**Type of Training:**

* Three-hour field collection at 3 sites (morning) Optional
* Two-hour Laboratory work

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

**Objectives for the Presentation:**

* **Introduce participants to common marine macro-algae of Coastal Bend Waters**
* **Differentiate between macro- and micro algae**
* **Recognize and identify classes three classes of algae**
* **Introduce participants to algae adaptations**
* **Learn preservation techniques, and apply these to artistic collages or scientific collections**
* **Understand value of algae to ecosystems and to Man**

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

* **Identify ten macro-algae species**
* **Preserve a minimum of three macro-algae specimens**
* **Relate algae adaptation as to depth, photosynthetic capabilities, substrates (or not), and water energy**
* **Discuss the role algae plays in marine ecosystems**

**Facility/Equipment:**

* **Laboratory (wet lab) facility**
* **Dissecting trays, needle probs, white paper, silk cloth (if available), plant press with cardboard, pencil**

**Supplies provided by participants (notebooks, lunch, outdoor apparel (will get wet), Zip sandwich bags to store separate and store between water and lab algae, newspaper for press, snorkel & mask optional**

**Supply Cost/Gratuity (if any): $0.00**

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

* **Fall, 2021**

**Possible Date(s):**

* **November 20**

**Minimum and Maximum Number of Participants: 12**

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”