**HMSC ANIMAL CARE**

**Treatment Standard Operating Procedure**

**Project:**

**Name:** Cinamon Moffett

**Lab:** ESF

**Phone#:** XXX-XXX-XXXX

**Species:** purple sea urchin, Strongylocentrotus purpuratus

**Start Date:** 3.1.19 **End Date:** 4.28.19

**SOP #**10

**Holding** **Plan** (water temperature, DO, pH, habitat, stocking density):

All animal holding procedures will follow the approved Guidelines except water temperature.

**What:** Water temperature increased from ambient to 15 degree c

**How:** Flow through water will be heated one degree a day with an inline heat exchanger until the water reaches 15 degree c. Animals will be held at 15 c for 21 days and then water will be decreased by one degree a day until the flow through water is back an ambient temperature.

**Why:** Project will mimic climate change stress impacts on feeding rates due to warmer waters.

**Cleaning Plan:**

All animal cleaning procedures will follow the approved Guidelines

**Feeding Plan:**

All animal feeding procedures will follow the approved Guidelines

**End Point Disposition Plan:**

All animal end point disposition procedures will follow the approved Guidelines