

# **BBECA Aeration Project**

## **Site Information Sheet**

Property owner name: **William Murchie**

Property address: **27419 Jamaica Lane**

Canal #: **8**

Month / Year of installation: **December 2020**

Brand / Model # / Source / Cost / Capacity of Pump: **Sweetwater SL56A - 2 CFM@1 PSI \$342.00**

**Purchased from: Pentair Aquatic Eco**

Brand / Model # / Source / Cost / Capacity of Bubblers: **Two ALR150CP - \$14.00 Ea. - .75 CFM Ea.**

**Purchased from: Pentair Aquatic Eco**

Cost of related parts: **Weighted hose WD2-25 - \$22.00 for 25' of hose from Pentair A E**

**Polyethylene tubing for second diffuser, valves, PVC fittings, hose clamps: \$20.00**

Design of installation: Drawings / descriptions **One diffuser at each end of my notch out**

Cost / time related to maintenance and electrical usage: **Draws 48 actual watts so \$6.50 per month**

Canal depth at site: **3 - 6 feet depending on tide and location**

### **Bottom visibility**

Bottom visibility before installation: **Poor, 2 – 3 feet**

Bottom visibility after three weeks: **Good to excellent 3 – 4 feet**

Bottom visibility after six months: **Excellent nearly all the time**

#### **Bottom visibility ratings:**

Excellent - can clearly see detail on bottom

Good - can see bottom, but detail is not clear

Fair - can barely discern bottom

Poor - cannot see bottom

## **Fish count**

Fish count before installation: Poor. Few, if any

Fish count after three months: Good

Fish count after six months: Very good, and include lobster on occasion!!

### **Fish count ratings:**

Plentiful - can see 5 or more species of fish at any time

Good - can see 5 or more species of fish at least once per day

Fair - can see snapper, parrot fish occasionally

Poor - rarely see fish other than young barracuda, mullet, mollies

## **Hull / Dock growth**

Hull / Dock growth before installation: Extreme, mostly brown algae, barnacles and slime

Hull / Dock growth after three months: Extreme to moderate with more green growth and less brown

Hull / Dock growth after six months: Moderate but growth is healthy green plants and some black sponges. Noticeably less silt on bottom.

### **Hull / Dock growth ratings:**

Extreme - barnacles, mussels, algae, sponge quickly growing on most surfaces

Moderate - barnacles, mussels, algae, sponge growing on about 50% of surfaces

Limited - barnacles, mussels, algae, sponge slowly growing on about 20% of surfaces

Sparse - barnacles, mussels, algae, sponge growth can be seen on a few surfaces

None - no growth can be seen