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Naturalake Biosciences Case Study 2020 Del Webb at Grande Dunes - Myrtle Beach, SC

INITIAL SURVEY - APRIL 2020

The Lake Doctors, Inc. was contacted to conduct a survey of the stormwater ponds in the Del Webb at Grand Dunes Community in Myrtle Beach, South Carolina. Upon inspection, it was found that one of the stormwater ponds had a severe infestation of cattails and the property manager wanted them gone. The cattails plagued the property manager with two glaring issues;



First, The property manager was routinely getting flooded with phone calls and emails from the residents that live on the storm water pond expressing their concerns with the appearance of the pond with the cattails. Second, the mass of vegetative growth from the cattails completely blocked a stormwater inflow pipe. This hindered the engineered design of the retention pond by decreasing the rate at which the pond could receive runoff from the community streets.

TREATMENT PLAN

First, utilize select herbicides, surfactants, and CattZilla to kill the cattails initially. Then, utilize select herbicides with PondZilla to treat the remaining growth and degrade the dead biomass. Additionally, add Nature's Blend to the open water to reduce the soluble nutrients released by the cattails.



CattZilla, PondZilla, and Nature's Blend were used to eradicate the cattails in three treatments during a span of three and a half months.

FIRST TREATMENT

Herbicide + CatZilla (1 gal/SA)+ Surfactant on cattails and Nature's Blend (3 lb/SA) into the water body



SECOND TREATMENT

Herbicide + PondZilla Pro (1 gal/SA) on cattails
and Nature's Blend (3 lb/SA) into the water body



THIRD TREATMENT

Herbicide + PondZilla Pro (1 gal/SA) on cattails
and Nature's Blend (3 lb/SA) into the water body



RESULTS

The treatment plan was successful and the storm water pond that is functioning as designed.

Additionally, it is now an aesthetically pleasing storm water pond for the home owners who reside along its waterfront.



ACKNOWLEDGEMENT

The addition of Naturalake Biosciences array of products was vital in this application.

The effectiveness and efficiency of the products allowed the restoration of the water resource and satisfied the property manager.