



FY 22/23 Environmental Restoration and Exotic Maint

District	Site Name	Management Unit	Acreage	Project Type	Explanation of Work	Estimated Amount (\$)	Additional project details/description
West	Six Mile Cypress Slough Preserve	1	525	Exotic Maint.	Maintenance treatment for invasive exotics. Includes 349 acres of mitigation. Site is at low-medium level of infestation.	\$ 105,000.00	349 acres of mitigation last treated in 2021, rest of site not treated since 2017. Used estimate of \$200/acres for low-medium levels of infestation for estimated amount.
West	Six Mile Cypress Slough Preserve	8	354	Exotic Maint.	Maintenance treatment for invasive exotics. Includes 38 acres of mitigation. Site is at low level of infestation.	\$ 80,000.00	Site was last treated in 2018. Used last bid awarded (\$70,870 in 2018) for estimated amount.
West	Six Mile Cypress Slough Preserve	11	41	Exotic Maint.	Maintenance treatment for invasive exotics. Entire site is mitigation. Site is at medium level of infestation.	\$ 10,000.00	Site was last treated in 2021. Used last bid awarded (\$6,364 in 2021) for estimated amount.
South	Imperial Marsh 093		117	Exotics Removal	Site 93 permit required	\$ 140,400.00	Out of compliance with permit conditions. Torpedo grass issues in mitigation area. (Caracara nesting may impact timing of treatment) also need to mow thicker areas on west side of preserve unless area can be burned. Also, been observing more Wright's nutrush in the firelines; this will require the SOW to time a treatment specifically for this species. Likely will need to include east side/entire preserve even though east was treated 2021. Should be done annually until under better control. 117 acres (entire parcel) will need a double-treatment for both growing seasons at an estimated \$600/ac * 2 treatments. Will be bid out in FY21-22, but additional treatment needed next year as well.
South	Imperial Marsh 093			Restoration	Site 93 native plantings (permit required)	\$ 50,000.00	following the planting plan to re-plant mitigation areas; previous contracted planting cost \$32,469, so estimate is increased based on inflation. Plantings as a follow up to exotic treatment to help out complete the exotic torpedo grass. **Need to plant created marshes especially - see previous planting plan by EcoPlanz. Created marshes were treated in 2020. Plantings should be coordinated with permit compliance plan worked on by Turrell Hall.
South	Imperial Marsh 259		61	Exotics Removal	Site 259 invasive plant removal	\$ 36,600.00	Due for treatment. Lygodium, melaleuca, downy rose myrtle, Brazilian pepper, ceaserweed, etc. ***SOW should include removal of BP hedge along fence line so that fence line can be repaired/replaced as needed (this is why this site might be higher cost than otherwise). Single treatment at \$600/acre.
South	Imperial Marsh 321		154	Exotics Removal	Site 321 - reapplication to follow 2021 spraying	\$ 30,800.00	Planned for fall 2022. Focus on Wright's nutrush within the marsh to prevent continued spread onsite. Torpedo grass, etc. 154 acres (entire parcel) single treatment at \$200/ac for low infestation. Planned for Fall 2022 treatment.
South	Imperial Marsh 334		79	Exotics Removal	Site 334 invasive plant removal	\$ 39,500.00	79 acres (entire parcel) single treatment at \$500/ac. Due for treatment based on rotation. Heavy infestation of young melaleuca on portions of the site, exotic grasses (*ensure SOW indicates this is a cattle lease area so no pasture grasses should be treated, and need to use appropriate herbicides), java plum and other woody species. Planned for 2022 treatment
South	Imperial River Boat Ramp		6	Exotics Removal	Removal of exotics from mangrove and upland areas	\$ 5,100.00	initial treatment - will likely require follow-up treatments.
South	Pine Lake Preserve		175	Exotics Removal	Treat entire preserve--disturbed due to restoration construction	\$ 87,500.00	175 acres (entire preserve including mitigation) needing single treatment at \$500/ac. Ceaserweed and rosary pea continue to plague as well as acacia, downy rose myrtle, Brazilian pepper, Cuban laurel, tropical almond, etc. City of Bonita Springs only treats flow way/berm portions of site. \$12,000 included in approved FY21-22 budget to treat only the mitigation area and buffer.



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South	Wild Turkey Strand	200-2	260	Exotics Removal	Northern Unit-Restoration Area (200-2) initial plant treatment	\$	156,000.00	Area previously to be included in hydrologic restoration; needs initial exotic plant treatment to remove seed source as hydrologic project unlikely to advance in near future.
South	Wild Turkey Strand	345-3, 4, 5, 6 7, 8	268	Exotics Removal	Northern Units (345-3, 4, 5, 6 7, 8) invasive plant treatment	\$	187,600.00	268 acres (preserve portion) needing double treatment at \$350/acre * 2 treatments. Not included in other "northern units" CPA; areas overdue for treatments; multiple species of all types; needs double-sweep for both growing seasons, invasive wetland grasses
South	Big Hickory Island		279	Exotics Removal	Invasive plant removal	\$	10,000.00	279 acres, low infestation, no previous contracted treatments. Projected cost: \$10,000 for an exotics sweep of mangrove fringe. 11 acres are in most need. Can potentially do with in-house workdays. \$2,200 approved in FY21-22 approvals will not be bid out.
South	Wild Turkey Strand		5	Restoration	Mitigation Area native plantings	\$	25,000.00	Mitigation area needs additional native plantings to compete with invasives and maintain compliance. Mid-summer planting is ideal. Cluster plants in area to help avoid impacts during torpedo grass treatments
East	Bob Janes	1,2,6	593	Exotic Maint.	Exotics grass retreatments	\$	107,000.00	follow-up to this year, 2 treatments
East	Bob Janes	28,21,23,22,26	439	Exotics Removal	Category 1 and 2 sweep	\$	88,000.00	follow-up to three year ago treat
East	Alva Scrub	Parcel 163	310	Exotic Maint.	Exotics grass retreatments	\$	85,000.00	follow-up to this year, 2 treatments
East	Alva Scrub	325-3,4	80	Exotics Removal	Exotics sweep	\$	46,000.00	2 treatments, mitigation
East	Caloosahatchee Regional Park - North	Undetermined	TBD	Exotics Removal	Guinea & Cogon Grass	\$	250,000.00	This needs to be a thought out treatment plan for CRP North.
East	Olga Shores	Site	90	Exotic Maint.	Guinea & Cogon Grass	\$	30,000.00	Retreatment to stave off regrowth.
East	Persimmon Ridge	Site	40	Exotics Removal	Guinea & Cogon Grass & Ceaser Weed	\$	50,000.00	This would need to be a two year treatment plan at \$50,000 per/year
East	Oak Ham.	Site	170	Exotics	Varied Treatments	\$	200,000.00	This is if we split the property in half. Could be more if we decide to treat the site.
North	Caloosahatchee Creeks Preserve- West	Parcel 163	300	Exotics Removal	Exotics sweep	\$	80,000.00	Full site treatment. Wetlands treatment.
North	Prarie Pines		300	Exotics Removal	Exotics sweep	\$	50,000.00	
North	Pine Island Flatwoods Preserve - Bayside		190	Exotics Removal	Exotic retreatment	\$	40,000.00	Retreatment to stave off regrowth. Create a maintenance cycle.
North	Buttonwood	276-2, 276-2B	170	Exotics Removal	Exotics sweep	\$	50,000.00	Treatment of problem areas.
North	Columbus G. McLeod	Site	9	Exotics	Exotics sweep	\$	15,000.00	Full treatment
North	Yellow Fever Creek	Site	3	Exotics	Exotics sweep	\$	10,000.00	Mitigation area treatment
North	Charlotte Harbor Buffer	Site 262, 58, 99	250	Exotics	Exotics sweep	\$	116,000.00	Regular treatment of sites
North	Yucca Pens	Site 107,102, 75	300	Exotics	Exotics sweep	\$	82,000.00	Regular treatment of sites
North	Four Mile Cove	Uplands Site	55	Exotics	Exotics sweep	\$	165,000.00	Treatment of upland areas of the preserve

TOTAL \$ 2,427,500.00

ACRES: 4586