

# Draft

## South Florida Ecosystem Restoration Task Force Invasive Exotic Species 2019 “Snapshot” Budget

Federal FY 2018 (Oct 1, 2018-September 30, 2019)  
State FY 2018/19 (July 1, 2018-June 30, 2019)

**Purpose:** The 2019 IES Snapshot Budget reports expenditures by participating member entities of the South Florida Ecosystem Restoration Task Force related to invasive exotic species. It is anticipated that this document will be used in conjunction with the Task Force’s IES Strategic Action Framework and its associated priorities to strategically lay out action and resource needs to help mitigate the impacts of invasive exotic species on the South Florida Ecosystem and the Everglades. The four goals of the Framework are oriented around the Invasion Curve and to help the reader, the colors used below depict within which phase/goal of the Invasion Curve an agency is applying resources.

**Definitions for reporting areas:**

Reporting/Goal Area	Definition
<b>Prevention</b>	Actions taken to identify pathways and <b>prepare</b> for risks in order to stop the identified species from entering the South Florida Ecosystem along with actions to <b>prioritize</b> prevention efforts including an effective system of risk assessment.
<b>Eradication through Early Detection and Rapid Response (EDRR)</b>	Actions for <b>preparation and monitoring</b> in order to identify invasions as early as possible and <b>rapid assessment</b> and <b>rapid response</b> to identified threats. A systematic effort to eradicate, contain, or control a potentially invasive non-native species introduced into an ecosystem while the infestation of that ecosystem is still localized.
<b>Containment</b>	Actions to develop and deploy <b>control</b> tools at containment boundaries and known pathways, including coordination efforts for on-the-ground management activities directed at species, pathways, and high-value assets and the assessment and adaptation of current methodologies. Activities or investment in monitoring and science-based containment methods and actions to engage the public to <b>improve</b> containment success.
<b>Long-term Management</b>	Actions to <b>combat</b> well established invasive exotic species in order to minimize costs and impacts of invasive exotic species on the ecosystem. <b>Improvements</b> in long-term management effectiveness such as investment in science, development of new tools, and enhanced coordination.

## Invasive Exotic Animals – DRAFT

	USACE	USGS	NPS	USFWS	FDACS	FDEP	FWC	SFWMD	Palm Beach County	Miami-Dade County	Total
<b>Prevention</b>	\$0	\$0	\$0	\$48,750	\$2,223,000	\$0	\$146,537	\$0	\$0	\$0	\$2,418,287
Research	\$0	\$0	\$0	\$0	\$2,360,565	\$0	\$97,595	\$0	\$0	\$0	\$2,458,160
Outreach & Ed	\$0	\$0	\$0	\$10,000	\$173,880	\$500	\$74,451	\$0	\$0	\$0	\$258,831
<b>Prevention Total</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$58,750</b>	<b>\$4,757,445</b>	<b>\$500</b>	<b>\$318,583</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$5,135,278</b>
<b>Eradiation</b>	\$5,000	\$0	\$0	\$108,000	\$1,223,885	\$50	\$253,835	\$0	\$550	\$0	\$1,591,320
Research	\$0	\$630,843	\$20,000	\$0	\$81,601	\$0	\$94,580	\$12,876	\$0	\$0	\$839,900
Outreach & Ed	\$0	\$0	\$0	\$0	\$250,000	\$0	\$850	\$1,001	\$0	\$0	\$251,851
<b>Eradiation Total</b>	<b>\$5,000</b>	<b>\$630,843</b>	<b>\$20,000</b>	<b>\$108,000</b>	<b>\$1,555,486</b>	<b>\$50</b>	<b>\$349,265</b>	<b>\$13,877</b>	<b>\$550</b>	<b>\$0</b>	<b>\$2,683,071</b>
<b>Containment</b>	\$45,000	\$0	\$104,449	\$2,100	\$2,123,885	\$50	\$308,815	\$77,258	\$0	\$0	\$2,661,557
Research	\$0	\$630,843	\$2,032	\$0	\$100,000	\$0	\$334,032	\$38,629	\$0	\$0	\$1,105,536
Outreach & Ed	\$0	\$0	\$0	\$0	\$52,000	\$0	\$0	\$5,007	\$0	\$0	\$57,007
<b>Containment Total</b>	<b>\$45,000</b>	<b>\$630,843</b>	<b>\$106,481</b>	<b>\$2,100</b>	<b>\$2,275,885</b>	<b>\$50</b>	<b>\$642,847</b>	<b>\$120,894</b>	<b>\$0</b>	<b>\$0</b>	<b>\$3,824,100</b>
<b>Long-term Mgt.</b>	\$25,298	\$0	\$225,817	\$109,750	\$5,123,010	\$2,000	\$740,055	\$151,502	\$112,860	\$750	\$6,491,042
Research	\$0	\$765,743	\$451,748	\$0	\$296,319	\$0	\$204,030	\$64,382	\$0	\$3,200	\$1,785,422
Outreach & Ed	\$0	\$0	\$0	\$0	\$100,000	\$0	\$36,260	\$7,010	\$0	\$393	\$143,663
<b>Long-term Mgt. Total</b>	<b>\$25,298</b>	<b>\$765,743</b>	<b>\$677,565</b>	<b>\$109,750</b>	<b>\$5,519,329</b>	<b>\$2,000</b>	<b>\$980,345</b>	<b>\$222,894</b>	<b>\$112,860</b>	<b>\$4,343</b>	<b>\$8,420,127</b>
<b>TOTAL</b>	<b>\$75,298</b>	<b>\$2,027,429</b>	<b>\$804,046</b>	<b>\$278,600</b>	<b>\$14,108,145</b>	<b>\$2,600</b>	<b>\$2,291,040</b>	<b>\$357,665</b>	<b>\$113,410</b>	<b>\$4,343</b>	<b>\$20,062,576</b>

### Notes:

- Rounded to nearest whole dollar.
- USFWS includes all refuges within the south Florida ecosystem plus USFWS Ecological Services (Vero Beach).
- NPS figures include Everglades National Park, Big Cypress National Preserve, and Biscayne National Park.
- USGS provided a total amount spent across goals 2, 3, and 4. The sub-totals for each goal are estimates.

## Invasive Exotic Plants – DRAFT

	USACE	USGS	NPS	USFWS	FDACS	FDEP	FWC	SFWMD	Palm Beach County	Miami-Dade County	Total
<b>Prevention</b>	\$0	\$0	\$0	\$7,000	\$0	\$0	\$0	\$0	\$0	\$0	\$7,000
Research	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Outreach & Ed	\$23,329	\$0	\$0	\$0	\$200,000	\$1,000	\$176,513	\$0	\$0	\$0	\$400,842
<b>Prevention Total</b>	<b>\$23,329</b>	<b>\$0</b>	<b>\$0</b>	<b>\$7,000</b>	<b>\$200,000</b>	<b>\$1,000</b>	<b>\$176,513</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$407,842</b>
<b>Eradiation</b>	\$0	\$0	\$9,816	\$17,000	\$0	\$0	\$0	\$105,124	\$42,227	\$0	\$174,167
Research	\$0	\$93,292	\$0	\$0	\$0	\$0	\$33,956	\$0	\$0	\$0	\$127,248
Outreach & Ed	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$15,088	\$0	\$0	\$15,088
<b>Eradiation Total</b>	<b>\$0</b>	<b>\$93,292</b>	<b>\$9,816</b>	<b>\$17,000</b>	<b>\$0</b>	<b>\$0</b>	<b>\$33,956</b>	<b>\$120,212</b>	<b>\$42,227</b>	<b>\$0</b>	<b>\$316,503</b>
<b>Containment</b>	\$0	\$0	\$0	\$90,340	\$0	\$0	\$0	\$99,157	\$0	\$0	\$189,497
Research	\$0	\$93,292	\$0	\$0	\$0	\$0	\$135,873	\$0	\$0	\$0	\$229,165
Outreach & Ed	\$0	\$0	\$0	\$0	\$0	\$0	\$49,500	\$22,632	\$0	\$0	\$72,132
<b>Containment Total</b>	<b>\$0</b>	<b>\$93,292</b>	<b>\$0</b>	<b>\$90,340</b>	<b>\$0</b>	<b>\$0</b>	<b>\$185,373</b>	<b>\$121,789</b>	<b>\$0</b>	<b>\$0</b>	<b>\$490,794</b>
<b>Long-term Mgt.</b>	\$2,711,136	\$0	\$1,424,347	\$3,416,583	\$0	\$12,000	\$19,622,955	\$18,150,751	\$4,181,511	\$2,425,071	\$51,944,354
Research	\$17,836	\$93,292	\$0	\$0	\$200,000	\$0	\$742,193	\$370,000	\$0	\$81,780	\$1,505,101
Outreach & Ed	\$0	\$0	\$0	\$0	\$19,894	\$0	\$73,564	\$30,177	\$0	\$80,769	\$204,404
<b>Long-term Mgt. Total</b>	<b>\$2,728,972</b>	<b>\$93,292</b>	<b>\$1,424,347</b>	<b>3,416,583</b>	<b>\$219,894</b>	<b>\$12,000</b>	<b>\$20,438,712</b>	<b>\$18,550,928</b>	<b>\$4,181,511</b>	<b>\$2,587,620</b>	<b>\$53,653,859</b>
<b>TOTAL</b>	<b>\$2,752,301</b>	<b>\$279,876</b>	<b>\$1,434,163</b>	<b>\$3,530,923</b>	<b>\$419,894</b>	<b>\$13,000</b>	<b>\$20,834,554</b>	<b>\$18,792,929</b>	<b>\$4,223,738</b>	<b>\$2,587,620</b>	<b>\$54,868,998</b>

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- NPS figures include Everglades National Park, Big Cypress National Preserve, and Biscayne National Park.
- USGS provided a total amount spent across goals 2, 3, and 4. The sub-totals for each goal are estimates.
- FWC Long-term Management for plants includes \$14,221,372 for terrestrial lands (\$5,981,521 for FWC managed lands and \$8,239,851 for other public conservation lands) and the remainder is for aquatic management. Research and outreach are statewide figures.