Agenda Item: <u>3L7</u>

# PALM BEACH COUNTY BOARD OF COUNTY COMMISSIONERS

# AGENDA ITEM SUMMARY

| Meeting Date:                                  | September 18, 2018   | (X) Consent<br>( ) Workshop | ()Regular<br>()Public Hearing |
|--|--|-----------------------------|-------------------------------|
| Department:<br>Submitted By:<br>Submitted For: | Environmental Resource<br>Environmental Resource<br>Environmental Resource | s Management                |                               |

# I. EXECUTIVE BRIEF

Motion and Title: Staff recommends motion to:

**A) receive and file** Task assignment Number IP7 to Contract No. FWC11357 (R2012-0573) with Florida Fish and Wildlife Conservation Commission (FWC) for Palm Beach County to provide aquatic vegetation control services for water bodies within Palm Beach County and a cost reimbursement of \$77,781 for a term beginning upon execution to June 30, 2019; and

**B)** approve a Budget Amendment of \$27,781 in the Natural Areas Fund to adjust the current budget to the contract amount.

**Summary:** On April 17, 2012, the Board of County Commissioners approved FWC Contract No. FWC11357 (R2012-0573) for aquatic vegetation control services in the following lakes: Clarke, Ida, Osborne, and Pine. This contract allows/obligates the County to treat and control aquatic exotic plants within the Chain of Lakes. County work is reimbursed by FWC. Delegated authority to execute all future time extensions, task assignments, certifications, and any other forms associated with this Contract was approved at that time. <u>Countywide</u> (AH)

**Background and Justification:** FWC Contract No. FWC11357 reimburses the County for its efforts in controlling aquatic weeds within the Chain of Lakes. Adaptive management techniques with local government oversight, allows staff to determine and use the most effective chemical agents and to apply them to particularly dense areas of vegetation within the lakes.

# Attachments:

- 1. Task Assignment No. IP7
- 2. Delegation of Authority
- 3. Budget Amendment

**Recommended by: Department Director** 

Approved by:

**Assistant County Administrator** 

,e

Date

# **II. FISCAL IMPACT ANALYSIS**

#### Α. **Five Year Summary of Fiscal Impact:**

| Fiscal Years                              | 2018               | 2019               | 2020     | 2021        | 2022   |
|---|--------------------|--------------------|----------|-------------|--------|
| Capital Expenditures                      |                    |                    |          |             |        |
| Operating Costs                           |                    | 77,781             |          |             |        |
| External Revenues                         |                    | (17,781)           |          |             |        |
| Program Income (County                    | ()                 |                    |          |             |        |
| In-Kind Match (County)                    |                    |                    |          |             |        |
| NET FISCAL IMPACT                         | 0                  | 0                  |          |             | (1-11) |
| # ADDITIONAL FTE<br>POSITIONS (Cumulative | )                  |                    |          |             |        |
| Is Item Included in PROMA                 | Budget?            | Yes _              | <u>X</u> | No          |        |
| Does this item include th                 | e use of fede      | eral funds?        | Yes      | No <u>X</u> |        |
| Budget Account No.:                       |                    |                    |          |             |        |
| Fund <u>1226</u> Departmen                | t <u>380</u> Unit_ | <u>3249</u> Object | Progra   | ım          |        |

- Β. **Recommended Sources of Funds/Summary of Fiscal Impact:**
- C. **Department Fiscal Review:**

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**III. REVIEW COMMENTS** 

Α. OFMB Fiscal and /or Contract Dev. and Control Comments:

Pone Bisolio (/- 2- avolated 9/5 sty Morel 992) Contract Development & Control 9/5 118

Legal Sufficiency: Β.

Assistant County Attorney

С. **Other Department Review:** 

**Department Director** 

## TASK ASSIGNMENT NOTIFICATION FORM CONTRACT NO. FWC11357

| Task Assignment Number:                 |
|---|
| Task Assignment Term:                   |
| Contractor Name:                        |
| Contractor's Contract Manager/Telephone |
| Contractor's Site Manager/Telephone:    |
| FWC Contract Manager/Telephone:         |
| FWC Site Manager/Telephone:             |

IP7 Upon Execution to June 30, 2019 Palm Beach County Robert Robbins 561-233-2400 John Raymundo 561-681-3861 Jenny Beesley Mariah McInnis , Susanna Toledo 772-597-6462

Task Description: Provide aquatic vegetation control services in accordance with the work plan for water bodies within Palm Beach County. Work shall be conducted pursuant to details stated on the attached work plan pages. All work must be coordinated with FWC Regional Biologist(s). Work shall be conducted pursuant to details stated on the current executed Task Assignment work plan pages and any executed Change Orders for this Task. The FWC, Contract Manager for the Invasive Plant Management Section may issue modifications to this Task Assignment altering the scope of the invasive plant control authorized (increase in acres, adding plants or herbicides, adding water bodies). The Section Leader of the Invasive Plant Management Section may issue modifications to this Task Assignment reducing the cost reimbursement amount and any changes to the Term.

Deliverables: Task IP7. Contractor is to provide aquatic vegetation control services on water bodies as identified in the Task Assignment work plan pages. Contractor will perform monthly aquatic vegetation control services to include, but not limited to; chemical treatment, snagging, pushing and hand pulling as needed per FWC task assignment. FWC will reimburse contractor for all work required for each task assignment.

### Cost Reimbursement Task Assignment Amount: \$77,781.00

Invoicing Frequency: Itemized invoices are submitted monthly by the 20th of each month except for the invoice for the month of June. Invoices are submitted after work has been completed by the Contractor. All detailed invoice supporting documentation (payroll information (Government), chemical invoices and approved and signed Report of Operation forms shall be maintained on file and upon request. Only costs directly related to the services being provided may be reimbursed. An invoice for June must be submitted within the time-period given by the FWC Contract Manager. The invoice must reflect the FWC Contract number as well as the Task number.

## Funding Information:

| and the second  |           |          |             |             |             |             |
|---|-----------|----------|-------------|-------------|-------------|-------------|
| Ora Code  | EO Fund   | Category | Fiscal Year | Object Code | PID         | Amount      |
| and the second se | 3K 423002 | 102334   | 2018-2019   | 139900      | 97839391000 | \$77,781.00 |

Approvals: Palm Beach County

EDORAH RUM Print Name

LEGAL SUFFICIENCY

0 COUNTY ATTORNESS

CC:Contract office Finanace and Budget Office Regional Biologist

Completed Task Assignment: Contract No.FWC11357, Task Assignment Notification IP7

Fish and Wildlife Conservation Commission Division of Habitat and Species Conservation

alle 6/29/18 (or De Section Leads

Invasive Plant Manage ent Section

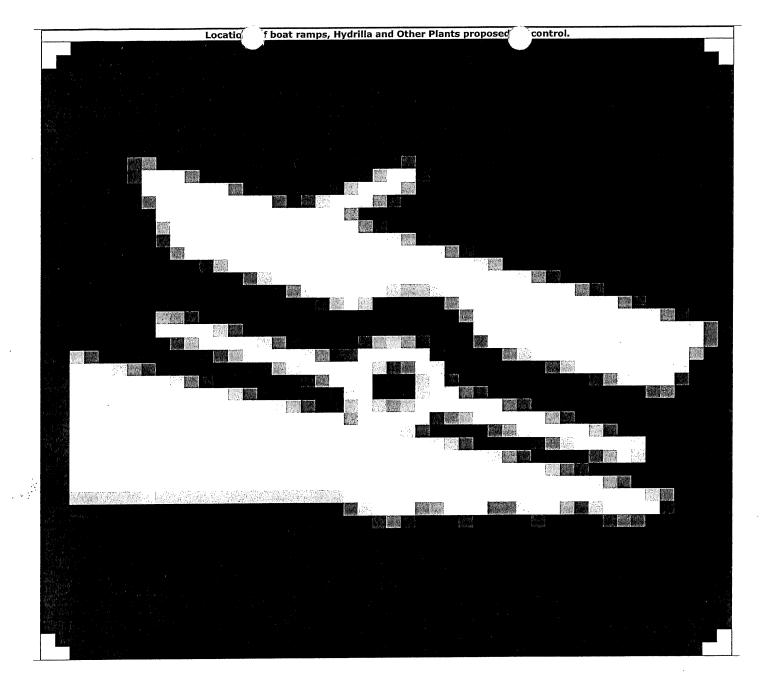
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|                            |                                       |  |                                       | ·          | AND MINISTER TOTAL MARKET AVAILABLE AV |
|----------------------------|---------------------------------------|--|---------------------------------------|------------|--|
| Flo                        | orida Fish and Wildli                 | onservation Commission                   | n, Chapter 68F-54,<br>Brogram - Workn | F.A.C.     | Invasive Plant<br>Management   |
| Contractor Area:           | FY 2018-2019 Cooperat                 | ive Aquatic Plant Contro<br>Palm Beach C |                                       | <u>Jan</u> | Management Section   |
| Water Body:                | Administration                        |  | r Body Code:                          | 345        |  |
|                            |                                       |  |                                       | 1          | 8 X A 8  |
| County:                    | Brevard                               | wate                                     | r Body Acres:                         |            |  |
| Major Water Uses: Ad       | min                                   |  |                                       |            |  |
|                            |                                       |  |                                       |            |  |
|                            |                                       | •  |                                       |            |  |
| Species of Concern:        |                                       | · · · ·                                  |                                       |            |  |
| Admin                      |                                       | · · · · · · · · · · · · · · · · · · ·    |                                       | · .        |  |
|                            |                                       |  |                                       |            |  |
|                            |                                       |  |                                       |            |  |
| Management Objecti         | ves:                                  |  | •                                     |            |  |
| Admin                      | •                                     |  |                                       |            |  |
|                            |                                       |  |                                       |            |  |
|                            | Acres to                              | ha                                       | Τ                                     |            |  |
| Plants to be Co            | ntrolled Controll                     |  |                                       | Control Me | thod(s)  |
| Other Plants: (require     | s explanation below)                  |  |                                       |            |  |
| 1)Admin admin              |                                       | 1 \$1.0                                  | Mechanical (Other)                    |            |  |
|                            |                                       |  |                                       |            |  |
| Other Plants Explana       |                                       |  |                                       |            |  |
| 1)Billing for administrati | on                                    |  |                                       |            |  |
|                            |                                       |  |                                       |            |  |
|                            |                                       |  |                                       |            |  |
| Public Notification Pr     | ocedures                              |  |                                       |            |  |
| Signs posted at acce       |                                       | Notices in newspapers                    | Public me                             | etings     |  |
| Notices distributed to     |                                       | gnal or marker system                    | X_Other                               |            |  |
| Comments:                  | · · · · · · · · · · · · · · · · · · · |  |                                       |            |  |
| Billing for administratior | )                                     |  |                                       |            |  |
|                            |                                       |  |                                       |            |  |

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Work Plan Summary Report

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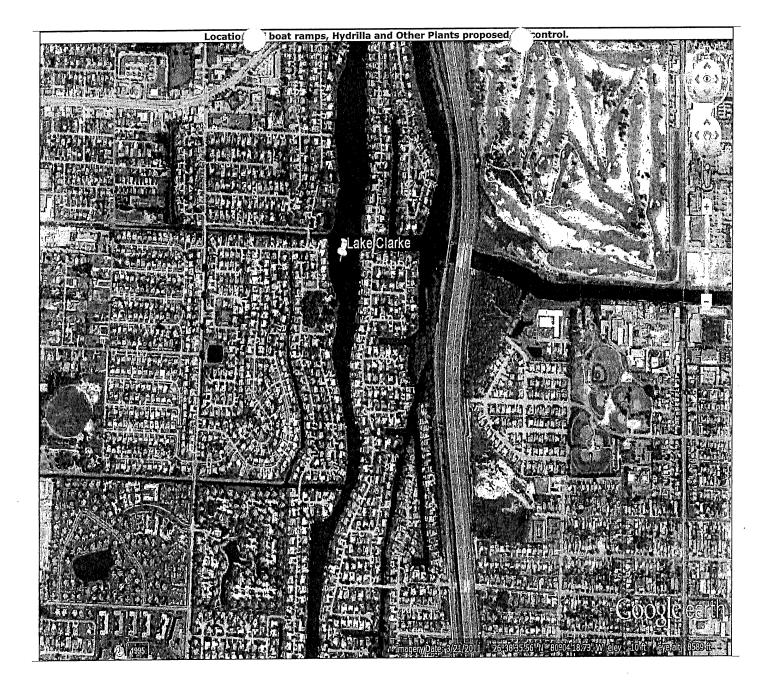
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|--|------------------------------------|--|--|--|---|
| Florida Fish a<br>FY 2018-20   | nd Wildli onse<br>019 Coope dive   | ervation Commission<br>Aquatic Plant Control | , Chapter 68F-54,<br>Program - Workp         | F.A.C.                                       | Invasive Plant<br>Management  |
| Contractor Area:   |                                    | Palm Beach Co                                |  |  | Section   |
| Water Body: Clar   | ke, Lake                           | Water  | Body Code:                                   | 43149  | the second s  |
| County: Palı   | m Beach                            | Water E                                      | Body Acres:                                  | 33   |   |
| Major Water Uses: Fishing, water   | skiing, jet skiing, b              | oating.                                      |  |  |   |
|  |                                    |  |  |  | Afrion Course   |
| :  |                                    |  |  |  |   |
| Species of Concern:  |                                    |  |  |  |   |
| None.  |                                    |  |  |  |   |
|  |                                    |  |  |  |   |
|  |                                    |  |  |  |   |
| Management Objectives:   | st of the shoreline                | seawalled (90%) Reci                         | eational fishing pre                         | ssure is very high. It                       | t is a widening in a canal which does   |
| not allow for grass carp to be used.   | Need to keep hvd                   | rilla and the floating p                     | lant population at I                         | owest feasable level                         | to allow for public water use.  |
| not allow for grass carp to be used.   |                                    |  |  |  |   |
|  |                                    |  |  |  |   |
| Plants to be Controlled  | Acres to be<br>Controlled          | Estimated Cost                               |  | Control Me                                   |   |
| Hydrilla verticillata  | 10                                 | \$2,150.00                                   | Hydrothol 191, Aqu<br>Fluridone (pellets),   | athol Super K, Aquat<br>Penoxsulam (liquid), | hol K, Diquat, Fluridone (liquid),<br>Penoxsulam (granular)   |
| Floating Plants (Eichhornia and Pist   | ia) 45                             | \$6,750.00                                   | Diquet                                       |  |   |
| X  |                                    | +-/  | Diquat                                       |  |   |
|  |                                    |  |  |  |   |
| Other Plants: (requires explanation  |                                    |  |  |  | Clusheeste Diguat Aquathal Supar  |
| Other Plants: (requires explanation<br>1)Nymphoides cristata   |                                    |  | Hydrothol 191, Flur                          | nioxazin, Aquathol K,                        | , Glyphosate, Diquat, Aquathol Super  |
|  | n below)                           |  |  | nioxazin, Aquathol K,<br>ocellaCOR           | , Glyphosate, Diquat, Aquathol Super  |
| 1)Nymphoides cristata  | n below)                           |  | Hydrothol 191, Flur                          | nioxazin, Aquathol K,<br>rocellaCOR          | , Glyphosate, Diquat, Aquathol Super  |
| 1)Nymphoides cristata<br>Other Plants Explanation  | n below)<br>15                     |  | Hydrothol 191, Flur                          | nioxazin, Aquathol K,<br>rocellaCOR          | , Glyphosate, Diquat, Aquathol Super  |
| 1)Nymphoides cristata<br>Other Plants Explanation  | n below)<br>15                     |  | Hydrothol 191, Flur                          | nioxazin, Aquathol K,<br>ocellaCOR           | , Glyphosate, Diquat, Aquathol Super  |
| 1)Nymphoides cristata<br>Other Plants Explanation  | n below)<br>15                     |  | Hydrothol 191, Flur                          | nioxazin, Aquathol K,<br>rocellaCOR          | , Glyphosate, Diquat, Aquathol Super  |
| 1)Nymphoides cristata<br>Other Plants Explanation<br>1)Control expansion Nymphoides cr                                   | n below)<br>15                     |  | Hydrothol 191, Flur                          | nioxazin, Aquathol K,<br>rocellaCOR          | , Glyphosate, Diquat, Aquathol Super  |
| 1)Nymphoides cristata<br>Other Plants Explanation<br>1)Control expansion Nymphoides cr<br>Public Notification Procedures | n below)<br>15<br>istata.          | \$2,550.00                                   | Hydrothol 191, Flur                          |  | , Glyphosate, Diquat, Aquathol Super  |
|  | n below)<br>15<br>istata.<br>Notic |  | Hydrothol 191, Flur<br>K, 2,4-D (liquid), Pr |  | , Glyphosate, Diquat, Aquathol Super  |

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| Florida   | a Fish and   | Wildlif nse       | ervation Commissior<br>Aquatic Plant Contro | , Chapter 68F-54,<br>Program - Work | F.A.C.                  | Invasive Plant<br>Management            |
|---|--------------|-------------------|---|-------------------------------------|-------------------------|---|
| Contractor Area:  | 2018-2015    | cooperative       | Palm Beach C                                |                                     | 7/411                   | Section                                 |
| Water Body:   | Ida, L       | ake               | · · · · · · · · · · · · · · · · · · ·       | Body Code:                          | 40001                   |   |
| County:   | Palm E       |                   |   | Body Acres:                         | 159                     |   |
| Major Water Uses: Fishing                                 |              |                   |   |                                     |                         |   |
| Major Water Oses.p isting                                 |              | ng, jee sking, r  | sereational boating, in                     |                                     |                         | ATTON COLDAR                            |
|   |              |                   |   |                                     |                         |   |
| Species of Concern:                                       |              |                   |   |                                     |                         |   |
| None.   |              |                   |   | ······-                             |                         |   |
|   |              |                   |   |                                     |                         |   |
| Management Objectives:                                    |              |                   |   |                                     |                         |   |
| This is a very urbanized lak                              | e with large | e public use. It  | s part of an open can                       | al system which doe                 | es not allow for use of | f grass carp. Hydrilla and floating     |
| plants need to be maintaine                               | ed at the lo | west feasible le  | vels. The lake is also a                    | a Fish Management                   | Area.                   |   |
|   |              |                   |   |                                     |                         |   |
|   |              | Acres to be       |   |                                     |                         |   |
| Plants to be Contro                                       | lled         | Controlled        | Estimated Cost                              |                                     | Control Me              |   |
| Hydrilla verticillata                                     |              | 20                |   |                                     | Aquathol K, Hydrothol   |   |
| Floating Plants (Eichhornia :                             | and Pistia)  | 20                | \$3,500.00                                  | Penoxsulam (liquid)                 | , Flumioxazin, Diquat,  | ProcellaCOR                             |
|   | Jonation be  |                   |   |                                     |                         |   |
| Other Plants: (requires exp<br>1)Nuphar advena            |              | 2                 | \$540.00                                    | Glyphosate                          |                         |   |
|   |              |                   | \$540.00                                    | Diguat, Aquathol K                  | Flumioxazin, Glyphos    | sate, Hydrothol 191, Aquathol Super     |
| 2)Nymphoides cristata                                     |              | 6                 | \$2,050.00                                  | K, 2,4-D (liquid)                   |                         | , |
| 3)Phragmites australis                                    |              | 1                 |   | Glyphosate                          |                         |   |
| 4)Schoenoplectus californic                               | us/validus   | 2                 |   | Glyphosate                          |                         |   |
| 5)Typha spp.  |              | 1                 | \$540.00                                    | Glyphosate, Imazar                  | nox                     |   |
|   |              |                   |   |                                     |                         |   |
| Other Plants Explanation                                  |              |                   |   |                                     |                         |   |
| 1)Open up/maintain pier for                               |              | ortunities        |   |                                     |                         |   |
| 2)Control expansion N. crist<br>3)Prevent Phragmites form | tata.        | into notivo rosto | ration littoral aroas al                    | ong Lake Ida Park a                 | nd SE shoreline         |   |
| 4)Open up/maintain pier for                               |              |                   |   | Sing Lake Tau Taik a                | ind DE Shoremie.        |   |
| 5)Prevent expansion into re                               | storation a  | reas and reduce   | vegetation around th                        | e fishing pier to pro               | mote hetter angling o   | pportunities.                           |
| 5)Prevent expansion into re                               |              |                   | vegetation around th                        | e noning pier to pre                | moto pottor unging t    |   |
|   |              |                   |   |                                     |                         |   |
|   |              |                   |   |                                     |                         |   |
| Public Notification Proced                                |              |                   |   |                                     |                         |   |
| X_Signs posted at access p                                |              |                   | es in newspapers                            | Public m                            | eetings                 |   |
| Notices distributed to res                                | idents       | Signal            | or marker system                            | Other                               | ·                       |   |
| Comments:   |              |                   |   |                                     |                         |   |
| Part of the work will be don                              | e by ERM a   | nd the other wi   | II be completed by the                      | parks dept.                         |                         |   |

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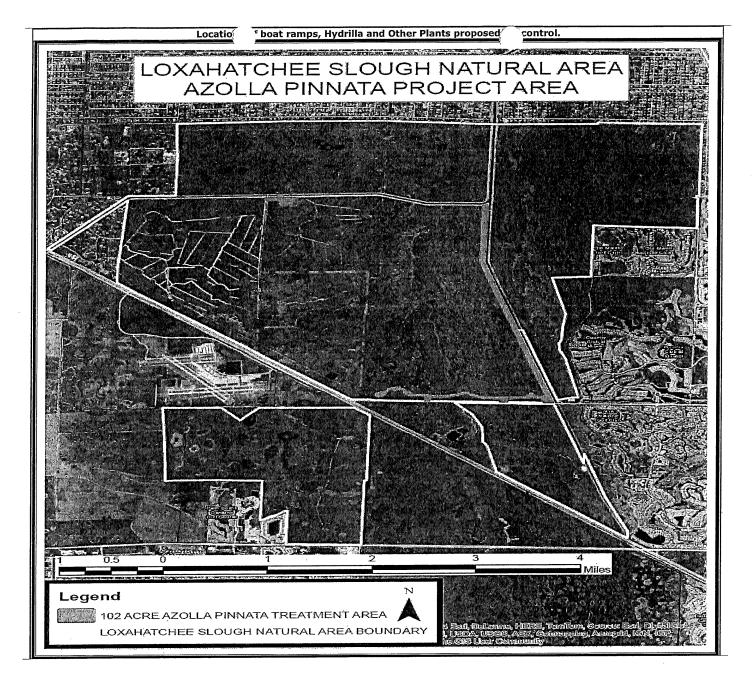
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|  | Florida Fish and<br>FY 2018-2019                 |   | ervation Commission,<br>Aquatic Plant Control |                      |              | Invasive Plant                        |  |
|--|--|---|---|----------------------|--------------|---------------------------------------|--|
| Contractor Area:   |  |   | Palm Beach Co                                 | unty                 |              | Section                               |  |
| Water Body:  | Loxahatchee Slo                                  | oxahatchee Slough Natural Area Water Body Code: 405 |   |                      |              |                                       |  |
| County:  | Palm I   |   |   |                      |              |                                       |  |
| Major Water Uses:  | Wildlife habitat, ca                             | anoeing, kayakir                                    | ng and fishing                                |                      |              |                                       |  |
|  |  |   |   |                      |              |                                       |  |
| Species of Concern<br>Snail kite, Swallow-t  |  | birds   |   |                      |              |                                       |  |
|  |  |   |   |                      |              |                                       |  |
| Management Obje<br>Preservation of nine  |  |   |   |                      |              |                                       |  |
|  |  |   |   |                      |              |                                       |  |
| Plants to be   | Controlled                                       | Acres to be<br>Controlled                           | Estimated Cost                                |                      | Control Me   | thod(s)                               |  |
| Other Plants: (requ  | ires explanation be                              | elow)   | ·   |                      | *****        |                                       |  |
| 1)Azolla pinnata   |  | 200   | \$24,000.00                                   | Diquat, Flumioxazin, | , Glyphosate |                                       |  |
|  | nation   |   |   | ·····                |              |                                       |  |
| Other Plants Explai  | nation   |   |   |                      |              |                                       |  |
| 1)Eradication efforts  |  | es  |   | •                    |              | · · · · · · · · · · · · · · · · · · · |  |
|  |  | es  |   |                      |              |                                       |  |
|  | for invasive speci                               | es  |   | •                    |              |                                       |  |
| 1)Eradication efforts Public Notification Signs posted at ac                                     | for invasive spect<br>Procedures<br>ccess points | Notice  | es in newspapers                              | Public me            | etings       |                                       |  |
| 1)Eradication efforts<br><b>Public Notification</b><br>Signs posted at ac<br>Notices distributed | for invasive spect<br>Procedures<br>ccess points | Notice  | es in newspapers<br>or marker system          | Public me<br>X_Other | etings       |                                       |  |
| 1)Eradication efforts Public Notification Signs posted at ac                                     | for invasive spect<br>Procedures<br>ccess points | Notice  |   |                      | etings       |                                       |  |

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## Work Plan Summary Report

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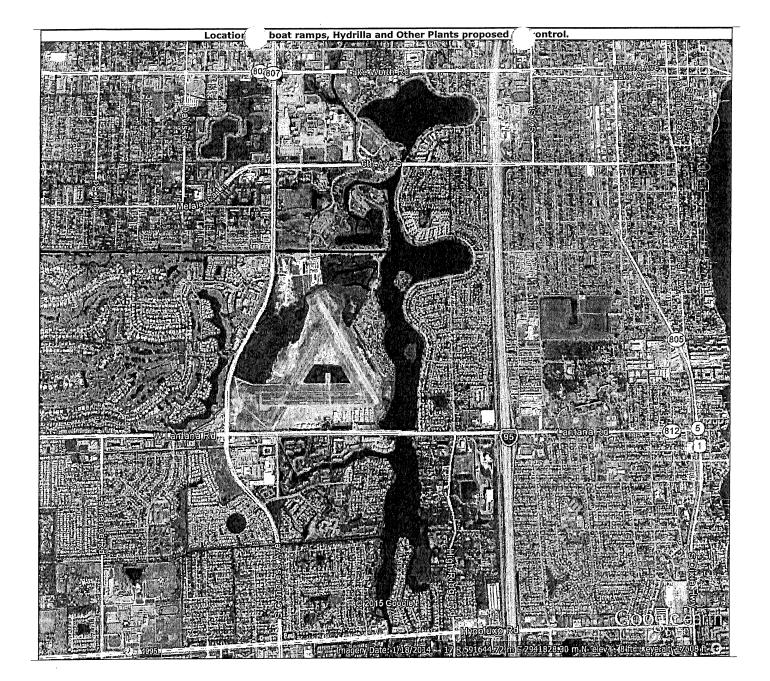
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| Contractor Area:<br>Water Body:          | Osborne             |                    |                           | Program - Workpl       |  | Management S   |
|--|---------------------|--------------------|---------------------------|------------------------|--|--|
| Water Body:                              | Oshorne             |                    | Palm Beach Co             | ounty                  |  | Section  |
|  | 05001110            | e, Lake            | Water                     | Body Code:             | 40002  | the second s |
| County:                                  | Palm B              | Beach              | Water I                   | Body Acres:            | 356  |  |
| Major Water Uses:                        | ishing, water skii  | ng, jet skiing, r  | ecreational boating, wi   | Idlife observation.    |  |  |
|  |                     |                    |                           |                        |  | TONCO  |
|  |                     |                    |                           |                        |  |  |
| Species of Concern                       | •                   |                    |                           |                        |  | · · · · · · · · · · · · · · · · · · ·  |
| Ibis, woodstorks.                        |                     |                    |                           |                        |  |  |
|  |                     |                    |                           |                        |  |  |
|  |                     |                    |                           |                        |  |  |
| Management Objec                         | tives:              |                    |                           |                        |  |  |
| This is a very urbaniz                   | zed lake with large | e local population | on use. It is part of a l | arger open canal sys   | tem so grass carp ca                         | in not be used as a control  |
|  |                     |                    | lants at lowest feasible  | e levels. There are al | so large areas of litto                      | oral restoration that require work   |
| on other plants that i                   | may expand into     | cnese areas.       |                           |                        |  |  |
|  |                     |                    |                           |                        |  |  |
|  | т                   | Acres to be        |                           |                        |  |  |
| Plants to be C                           | Controlled          | Controlled         | Estimated Cost            |                        | Control Met                                  | hod(s)   |
| Hydrilla verticillata                    |                     | 390                | \$4,000.00                | Aquathol Super K, Ad   | uathol K, Hydrothol                          | 191, Diquat, Penoxsulam (liquid)   |
| Floating Plants (Eichh                   | ornia and Pistia)   | 120                | \$15,000.00               | Diquat, Flumioxazin,   | Glyphosate, Penoxsul                         | lam (liquid)   |
|  |                     |                    |                           |                        |  |  |
| Other Plants: (requir                    |                     |                    |                           | · ·                    |  |  |
| 1)Colocasia esculenta                    |                     | 2                  |                           |                        | uid), Diquat, Glyphos                        | sate   |
| 2)Ludwigia octovalvis                    | /peruviana          | . 1                | \$530.00                  | Glyphosate             |  | · · · · · · · · · · · · · · · · · · ·  |
| 3)Nymphoides cristat                     |                     | 12                 |                           | Gippilosale, Tipuloth  | hol K, Aquathol Super<br>pl 191, ProcellaCOR | r K, Diquat, Flumioxazin,  |
| <ol> <li>Phragmites australis</li> </ol> | s .                 | 2                  |                           | Glyphosate             |  |  |
| 5)Typha spp.                             |                     | 2                  | \$1,000.00                | Glyphosate             |  |  |
|  |                     |                    |                           |                        |  |  |
| Other Plants Explan                      | ation               |                    | n edge of Crinum Islar    | d and the choroline    | of John Brinco Bark                          |  |
| )Prevent taro from e                     | expanding at north  | en and wester      | estoration littoral areas | at various John Prir   | ore Park shoreline loc                       | ations   |
| B)Control expansion of                   |                     | o native plant h   |                           |                        | iee Funk Shoreinie ioe                       |  |
| 1) Browent Bhragmiter                    | from expanding i    | into native nlan   | t restoration littoral ar | eas at various John P  | rince Park shoreline                         | locations.   |
| Drevent cattails from                    | m expanding into    | native plant res   | storation littoral areas  | in various John Princ  | e Park shoreline locat                       | tions.   |
| STEVEN Callans Iron                      | in experience into  | native plane rec   |                           |                        |  |  |
|  |                     |                    |                           |                        |  |  |
|  |                     | *****              | <u></u>                   |                        |  |  |
| Public Notification P                    | Procedures          |                    |                           |                        |  |  |
| <_Signs posted at ac                     | cess points         |                    | es in newspapers          | Public mee             | etings                                       |  |
| Notices distributed                      | to residents        | Signal             | or marker system          | Other                  |  |  |
| Comments:                                |                     |                    |                           |                        |  |  |
| Part of work to be do                    | ne by ERM and th    | e other part by    | parks department.         | ·                      |  |  |

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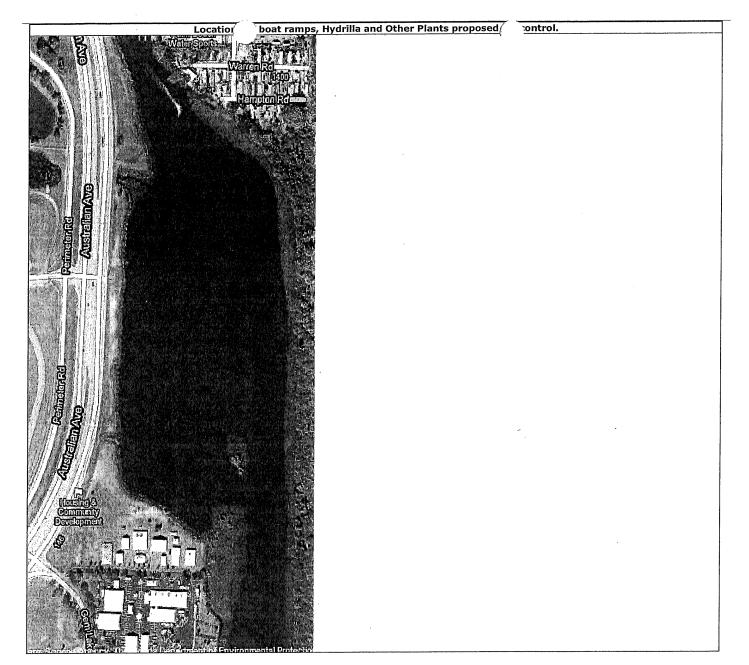


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| <b></b>                    |                     |   |   |                       |  | 200 CONTRACTOR DOCUMENTS OF THE OWNER OF |
|----------------------------|---------------------|---|---|-----------------------|--|--|
|                            | ida Fish and Wil    |   | ervation Commission<br>Aquatic Plant Contro |                       |  | Invasive Plant                           |
| Contractor Area:           | Y 2018-2019 Co      | opt live  | Palm Beach Co                               |                       | Jian                                   | Management<br>Section                    |
| Water Body:                | Pine, Lake          |   |   | Body Code:            | 43148                                  |  |
|                            | ·                   |   |   |                       | 35                                     |  |
| County:                    | Palm Beac           |   |   | Body Acres:           | 35                                     |  |
| Major Water Uses: Wate     | er skiing, fishing, | jet skiing, r   | ecreational boating.                        |                       |  |  |
|                            |                     |   |   |                       |  |  |
|                            |                     |   |   |                       |  | · · · · · · · · · · · · · · · · · · ·    |
| Species of Concern:        |                     |   |   |                       | ······                                 |  |
| Bird rookery.              |                     |   |   |                       |  |  |
|                            |                     |   |   |                       |  |  |
|                            |                     |   |   |                       |  |  |
| Management Objective       | s:                  |   |   |                       |  | *  |
|                            |                     |   |   |                       | is used heavily for wa                 | ater skiing by the public. Hydrilla      |
| and floating plants need   | to be kept at low   | est feasible  | levels to continue lak                      | e use.                |  |  |
|                            |                     |   |   |                       |  |  |
|                            | Ac                  | res to be   | · · · · · · · · · · · · · · · · · · ·       | 1                     |  |  |
| Plants to be Cont          |                     | ontrolled   | Estimated Cost                              |                       | Control Met                            | hod(s)                                   |
| Hydrilla verticillata      |                     | 20  | \$2,000.00                                  | Aquathol Super K, A   | Aquathol K, Hydrothol                  | 191, Diquat                              |
| Floating Plants (Eichhorni | a and Pistia)       | 15  | \$2,000.00                                  | Diquat                |  |  |
|                            |                     |   |   |                       |  |  |
| Other Plants: (requires e  | explanation below   | )   |   |                       | units Churchesette Uhre                | wether 101 Disust Asysthet Current       |
| 1)Nymphoides cristata      |                     | · 10  | \$2,150.00                                  | K, 2,4-D (liquid), Pr | cazin, Giyphosate, пус<br>ocellaCOR    | Irothol 191, Diquat, Aquathol Super      |
| 2)Phragmites australis     |                     | 1   |   | Glyphosate            |  |  |
|                            | d                   |   |   | 1-1/1-1/2             |  |  |
| Other Plants Explanatio    | n                   |   |   |                       |  |  |
| 1)Control expansion of Ny  | mphoides cristat/   | a.  |   |                       |  |  |
| 2)Reduce the amount of F   | Phragmities growi   | ng along th   | e shoreline and littoral                    | shelf to allow for re | ecruitment of desirable                | e vegetation                             |
|                            |                     |   |   |                       |  |  |
|                            |                     |   |   |                       |  |  |
| Public Notification Proc   | oduroc              |   |   |                       |  |  |
| X Signs posted at access   |                     | Notic   | es in newspapers                            | Public m              | eetinas                                |  |
| Notices distributed to r   |                     | and the second se | or marker system                            | Other                 |  | -  |
| Comments:                  |                     |   |   |                       |  |  |
|                            |                     |   |   |                       | ······································ |  |

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| ATTACHMENT | 2 |
|------------|---|
|------------|---|



# INTEROFFICE MEMORANDUM Palm Beach County Environmental Resources Management



DATE:

TO:

August 2, 2018

Verdenia C. Baker County Administrator

Patrick Rutter

THROUGH:

FROM: Deborah Drum, Director Environmental Resource

Environmental Resources Management

**SUBJECT:** CLARIFICATION OF THE INTENT OF PREVIOUS DELEGATION OF APPROVAL AUTHORITY MEMOS

Assistant County Administrator

The intent of previously delegated authority memos was to delegate the signatory authority to the current Director and Deputy Director of Environmental Resources Management (ERM).

This memorandum clarifies that Deputy Director Michael Stahl and I have signatory authority to sign all future time extensions, task assignments, certifications, and other documents associated with previously approved and delegated Board items. If you agree, please sign below and return this memorandum. I am available to answer any questions you may have concerning this request. Thank you in advance for your consideration.

APPROVED:

\_\_\_\_\_ DATE: <u>8/9/18</u>

8/7/18

Verdenia C. Baker, County Administrator

DD:kf

# Fund 1226 Natural Areas Fund

# BGEX 380 080718-1717 BGRV 380 080718-447

ATTACHMENT 3

| ACCT.NUMBER   | ACCOUNT NAME   | ORIGINAL<br>BUDGET | CURRENT<br>BUDGET | INCREASE | DECREASE | ADJUSTED<br>BUDGET | EXPENDED/<br>ENCUMBERED<br>08/30/18 | REMAINING<br>BALANCE |
|---|--|--------------------|-------------------|----------|----------|--------------------|-------------------------------------|----------------------|
|   |  |                    |                   |          |          |                    |                                     |                      |
| <u>REVENUES</u>                                     |  |                    |                   |          |          |                    |                                     |                      |
| 380-3249-4399                                       | Other Physical Environment Rev                       | 50,000             | 50,000            | 27,781   | 0        | 77,781             |                                     |                      |
| Total Receipts and E                                | Balances   | 9,517,326          | 9,517,326         | 27,781   | 0        | 9,545,107          |                                     |                      |
| EXPENDITURES  |  |                    |                   |          |          |                    |                                     |                      |
| 380-3249-3120                                       | Engineering services                                 | 40,000             | 40,000            | 27,781   | 0        | 67,781             | 0                                   | 67,781               |
| Total Appropriation                                 | s & Expenditures                                     | 9,517,326          | 9,517,326         | 27,781   | .≆r<br>0 | 9,545,107          |                                     |                      |
|   |  |                    |                   |          |          |                    |                                     |                      |
| Signatures & Dates By Board of County Commissioners |  |                    |                   |          |          |                    |                                     |                      |
|   | ancial Management & Budget<br>NG DEPARTMENT/DIVISION | - Lehald           | h Sum             | 8/30/20  | 18       |                    | eeting of September                 | 18, 2018             |
| Administratio                                       | on/Budget Department Approval                        | than fr            |                   | 8/30/14  |          |                    | Deputy Clerk to th                  | e                    |
| OFN   | AB Department - Posted                               | <u> </u>           |                   |          |          | Board              | l of County Commis                  | sioners              |