

Florida Fish and Wildlife Conservation Commission

Upland Invasive Plant Management Program

Communication • Coordination • Collaboration

Handbook for Applicants Requesting Assistance from the "Uplands Program"

Fiscal Year 2022-2023

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Introduction

Florida's Upland Invasive Exotic Plant Management Program

History • The 1997 Legislature charged the now Invasive Plant Management Section (at the time the Bureau of Invasive Plant Management in the Department of Environmental Protection) with the task of creating a program to bring invasive exotic upland plant species under maintenance control. The Upland Invasive Exotic Plant Management (Uplands) Program was established that same year.

Maintenance control is defined by the program as a method for the management of terrestrial invasive plant species in which control techniques are utilized in a coordinated manner on a continuous basis in order to maintain plant populations at the lowest feasible level.

Strategy • The previous Uplands program goal to reduce infestations of invasive plants on public conservation land by fifty percent was achieved prior to 2020. Currently, maintenance control on public conservation lands is estimated to be at 74%. The remainder consists of newly acquired areas and areas with extreme access challenges.

The current long-term goal is to continue maintenance where achieved and to expand maintenance overall to 80% by 2030. While eradication of invasive species is the preferred goal, it is not reasonably attainable, except in rare situations. The Uplands Program Strategic Plan sets forth specific strategies to implement the program's long-term goal, including:

- Implement an integrated management program that uses chemical, mechanical, and biological control technologies, and modify procedures as appropriate to ensure the greatest protection for natural systems.
- Improve the general public's awareness of the threat to biodiversity from invasive plants by developing a comprehensive education and outreach program.
- Inventory and monitor the distribution of invasive plant species in real-time and rapidly respond to any early incursions where there is the potential for eradication.

Funding • The Uplands Program funds invasive plant control projects on public conservation land, based upon the recommendations from its eleven Regional Working Groups (*see map*, Appendix A). These regional priorities are melded into an efficient and cost-effective statewide control program.

To maximize operational funding of projects, the Uplands Program contracts with private vegetation management companies on a per-acre, lowest quote basis to perform work. The program also contracts on a limited basis with five other government agencies. No funds are

granted to the managing agency; rather, all financial obligations are handled by the UpEXHBIT 1 Program.

Funding for the program is provided as set forth in Section 369.252(4), Florida Statutes, which reads: "Use funds in the Invasive Plant Control Trust Fund as authorized by the Legislature for carrying out activities under this section on public lands. A minimum of 20 percent of the amount appropriated by the Legislature for invasive plant control from the Land Acquisition Trust Fund shall be used for the purpose of controlling nonnative, upland, invasive plant species on public lands." Total funding for the program in fiscal year 2022 was \$12 million.

Results • During its more than two decades of operation, the Uplands Program has spent \$227 million on 3,336 invasive plant control operations targeting 4 million acres of public conservation land. The program has assisted land managers on more than 701 federal, state, and local managed natural areas that comprise over 10 million acres, or 90% of all conservation land in the state.

Cooperating agencies contributed over \$57 million in matching funds and in-kind services for these projects. The Uplands Program also spent \$12.8 million on invasive plant surveys, research (primarily for biological controls), outreach, and other related activities.

Project Proposal Process

The Uplands Program incorporates the fundamentals of ecosystem management by relying on the expertise of public land managers throughout the state to provide direction for available funding for upland invasive exotic plant control. The Regional Invasive Plant Working Groups bring together stakeholders in a geographic area for the purpose of combining expertise, energy, and resources to deal with common weed problems.

The Working Groups provide an open forum for expressing the concerns of land managers and an effective mechanism to address those concerns. The Uplands Program relies on the expertise within each working group to set regional invasive control priorities based upon severity and potential threat to public conservation lands in their area. The working groups accomplish this by reviewing and ranking proposals for funding invasive control projects. The Uplands Program established 11 working groups, encompassing all 67 counties, which are made up of over 500 members representing federal, state, and local government public conservation land managers across the state. Program liaisons are designated for each working group to facilitate proposal review and coordination with the state program staff.

Site managers wishing to secure funding from this program are encouraged to become a member of one of the regional working groups (see map, Appendix A). In addition to the Minimum Program Criteria, each working group has a slightly different set of ranking criteria, including criteria specific to their region, that are used to evaluate and prioritize all submitted proposals. Topics that pertain to ranking criteria need to be completed with sufficient information to facilitate scoring of the proposal. Please be as clear and concise as possible. Ranking criteria can be obtained from your working group liaison. Be sure that the proposal addresses these criteria. Project proposals typically are due to the working groups in the spring but check with the liaison for specific dates

Minimum Program Criteria

For a proposal to be evaluated by a working group, it must meet the following three minimum eligibility criteria:

Public Conservation Land (PCL) Qualification- Property is listed by the Florida Natural Areas Inventory (FNAI), or the land-use designation is legally restricted to management for conservation purposes.

Commitment to Maintain Site in Perpetuity- Managing agency has the ability to conduct maintenance treatments and has identified funding and labor source for follow-up treatments.

Target Plant- Must be a FLEPPC Category I or II that has Current Control Technologies established for its control.

Once proposals are deemed eligible, they are ranked according to the five established minimum ranking criteria below. Any additional criteria may be specified by a working group.

- i. *Restoration Plan for Native Plants* consists of either a planned and funded replanting, <u>or</u> the site is expected to revegetate from on-site species.
- ii. *Threatened, Endangered, or Rare Species or Habitats* are associated with the treatment site or are found on the PCL.
- iii. *Public Education Program* increases awareness of invasive plant issues. Proposal describes existing or planned projects, programs, literature, etc.
- iv. *Area Maintenance Plan* includes information such as maintenance rotation intervals, long-term treatment plan, Cooperative Invasive Species Management Area (CISMA) objectives for working with adjacent private landowners, etc.
- v. *Regional Criteria Issues* Include any information that qualifies site for regional working group criteria, which can be obtained from the Working Group Liaison for your region.

Working groups may require a slide presentation, cost-sharing, or other information to be provided. Slide presentations, to be fair to all applicants, as well as to better manage meeting times, should include only the eight slides shown in the Template (Appendix C). An example presentation is included in the appendix.

For the 2022-23 program year, proposals will again be divided into categories: *Large, Small, and Special*.

Most proposals will be ranked in the "Large" (i.e., normal) category. "Small" proposals recognize the educational value of smaller natural areas, which offer great opportunities to teach the public about invasive plant species, but do not always have the same conservation value as larger areas. Small proposals are ranked separately and must meet the following Project Criteria. Each property must:

- be designated as public conservation land;
- be protected from future development (e.g., deed or easement restrictions);
- be owned by a city, county, or public university;
- contain less than 400 acres in its entirety; i.e., a discrete site, not a unit within a larger PCL managed by the same agency and/or cooperators; and,
- have an estimated project cost that is (realistically) no more than \$50,000.

Once working groups agree on their ranking for Large and Small proposals, the group liaison enters the ranks into the online Terrestrial Invasive Exotic Reporting System (TIERS).

"Special" projects include the Melaleuca Program, Early Detection and Rapid Response (EDRR), and work specifically requested by Uplands staff. These projects are not ranked by working groups. A former project, the "Strike Team" originally targeted a few existing priority species to prevent their further spread into new areas. In a later, unrelated action, the Florida Invasive Species Partnership (FISP) requested assistance to establish EDRR "watch lists" for each CISMA. FNAI, under Uplands Program contract, developed the initial lists. For a brief time afterwards, the Uplands Program operated an expanded "EDRR Strike Team" as a rapid response effort for new occurrences of listed species. While the EDRR concept is valid, it became apparent that (a) available funds were not sufficient to treat more than a few species, (b) no current control technologies existed for some plants, and (c) some plants had been in the state for decades, or longer. EDRR proposals will now be reviewed under specific criteria and from a statewide program priority view. To clarify when treatment funds may be available, proposals will pass through a decision tree. Most species are expected to meet the criteria of "manage" and will be assigned to the normal ranking process. Where applicable, a Special Project may be created for a species of high concern to the state. If you think you may require our assistance with a particular plant, please get in touch with us and we'll talk it through.

Standard Proposal Format

All proposals are submitted through TIERS. Proposal information should be in text format before you start, to make cutting-and-pasting into the online forms easier. Required information is shown under tabs: Project, Location, Description, Maintenance, Specifications, Education, Regional Issues, and Budget. Some information will pre-populate for you. As required, you can upload a map with directions to the site for the pre-quote meeting, a treatment area map showing units and acreages, an Area Maintenance Plan, a Grass Management Plan, and your slide presentation. Liaisons have access to all submitted proposals from their Working Group in TIERS, so they can download the slide presentations onto one computer for use at the ranking meeting. [Note: TIERS only allows PDF or JPG files, up to 5MB in size.]

A final tab checks your proposal for completeness. Once complete, TIERS will generate a Scope of Work (SOW) with your information, to be used for ranking by a working group. An edited version of the SOW also becomes an attachment to a Purchase Order, to indicate what work the Contractor is expected to accomplish.

TIERS requires user registration. If you are not registered, or need to change your information, or only do this once a year and have forgotten how it works, please e-mail either <u>John Kunzer</u> or <u>Adam Rose</u> to receive your personalized instructions (changes may occur year to year).

Program Operational Process

IPMS Workplan

Once all priority ranking lists have been received by program staff, the funding level for that year determines how many projects will be pursued. The workplan starts with funding all priority 1 projects, then all priority 2 projects, and so on, until reaching the lowest priority that can be funded across all working groups.

The amount requested by the proposer is used as a guideline for funding. Actual quotes from Contractors may or may not reflect the requested amount, so the workplan is adjusted throughout the year.

Site Visit

Once the initial workplan is established, an IPMS representative will contact the site (or project) manager (hereafter "you") to confirm the time, location, and directions to the site for the "prequote" meeting. <u>Before a meeting is confirmed, you must provide a shapefile of the treatment area</u> <u>boundary</u>. No project will move forward unless this required file is received.</u> The pre-quote meeting is for the benefit of Contractors to review the site and work requirements and to clarify any issues or questions that arise during the visit. You may request up to two contractors to be invited to the pre-quote meeting. Program staff will then randomly select the remaining number of contractors to invite.

To ensure that this process proceeds efficiently, results in environmentally sound control activities, and concludes with an accurate quote by the Contractor, the following guidelines should be followed:

- Prior to the scheduled site visit, revisit the control site to verify that it is accessible and the treatment boundaries are clearly identifiable;
- Fences, permanent structures, flagging tape on stakes or trees, in combination with GPS boundary uploads, etc. are some ways to identify to the Contractor where they are expected to work.
- Plan on spending sufficient time with the Contractors so that they're knowledgeable enough about your project to provide a reasonable quote.
- For the Contractor to provide the best service to you, they need to see:
 - o the boundaries of the control site(s) and acreage;
 - o typical and atypical terrain conditions and invasive plant densities;

- o all access points to the control site(s);
- o all areas/units to receive treatment;
- o any sensitive areas that should be avoided; and,
- o all targeted species to be controlled.

Please do not discuss any previous project cost estimates or preliminary funding allocation amounts with Contractors. We are, after all, trying to obtain quality cost-effective weed control services!

If any changes to the Scope of Work occur during the on-site inspection, the FWC representative will amend the SOW and send it back to the Contractors.

After the pre-quote meeting, the Contractors will submit quotes to IPMS. On the due date, the quotes will be opened, checked for validity, and the lowest quoted price identified. The low-quote Contractor will be contacted and offered the job.

Purchase Order Process

When a Contractor accepts a job, a Purchase Order (PO) is issued to them. Once the PO is uploaded into TIERS, you can view it online. You can also see the final SOW (not the proposal version) that the Contractor gets with the PO. The PO specifications state what the Contractor is required to accomplish and what is eligible for payment (down to the species to be treated and the total acres allowed). Any work not specifically described in the PO is not eligible for payment. **So please do not ask the contractor to do "a little something extra" for you-unless you plan to pay them for it yourself.**

Control Operations

Within 7 days of the PO being issued, the Contractor is required to contact you to set up a date and time to begin work.

It is important for you to meet with the field crew when they arrive for the first time. It is possible that the Crew Chief Supervisor is not the representative who attended the site visit. Review the site boundaries, target species, and any other site-specific conditions with the crew. Also, it is quite possible that the Contractor is from another region of the state and crew members may not be familiar with your specific target species. The same Ground Crew Supervisor must be on site while *any* work is being done and throughout the duration of the project. Any change of supervisor must be approved in advance by the Site Manager and Uplands staff.

The crew's work should be monitored frequently during the first few days and then as often as you deem appropriate. It is important to contact your Project Manager as soon as possible if you experience problems with how the treatment is conducted. History has proven that site managers who conduct frequent work inspections will get better results. The Uplands contract requires each crew member to carry a Garmin GPS unit to assist in tracking their progress and to identify potential sites to inspect. You can request GPS tracks on a weekly basis, or when the contractor submits Weekly Progress Reports (WPR) for approval through TIERS.

Invoicing

You are required to approve the WPR and Completion of Work or Partial Payment Form before the Contractor can submit an invoice to FWC. WPRs are completed in TIERS by the Contractor. TIERS will then generate the appropriate form (COW or PPF) and send it to you. This means that the efficacy of the treatment will typically not be known at the time the invoice is submitted. **Do NOT sit on an approval waiting to check the work first.** Your "approval" is only an attestation that the crew was on the site and completed the treatment as described in the SOW. If you will be unavailable to approve the forms, you must delegate the authority to someone else registered in TIERS and familiar with the project.

Site manager oversight of the contract is an integral component to the success of each project, as well as the success of this program as a whole. Your cooperation is greatly appreciated. If you have any questions about the herbicide or rates listed on a WPR, please give us a call. 850.617.9430

GISData

Before the pre-quote meeting can take place, the site manager will be asked to provide a shapefile showing the treatment area boundary. Second treatments, such as for cogon grass or *Scleria* spp, require a separate shapefile showing just those areas. *Florida NaturalAreas Inventory* is available to assist managers with digitizing these maps inArcMap or Google Earth. Contact Frank Mitch East at 850-224-8207 ext. 206, or at meast@fnai.fsu.edu for assistance.

Compliance

Within thirty to sixty days after a treatment is completed, the site manager should inspect the site to ensure that 100% of the area was treated and that a 95% kill rate was achieved. Keep in mind that certain tree species may take three to four months to exhibit signs of dying. A percentage of projects are assigned to FNAI to conduct a compliance inspection. FNAI will contact the site manager to schedule this inspection. The contractor is required to return and retreat the site to achieve 95% control and 100% coverage, as necessary. If control is still not achieved after retreatment, notify program staff immediately.

Other Operational Programs

Therearetwospecialservices that operate outside of the working group rocess:

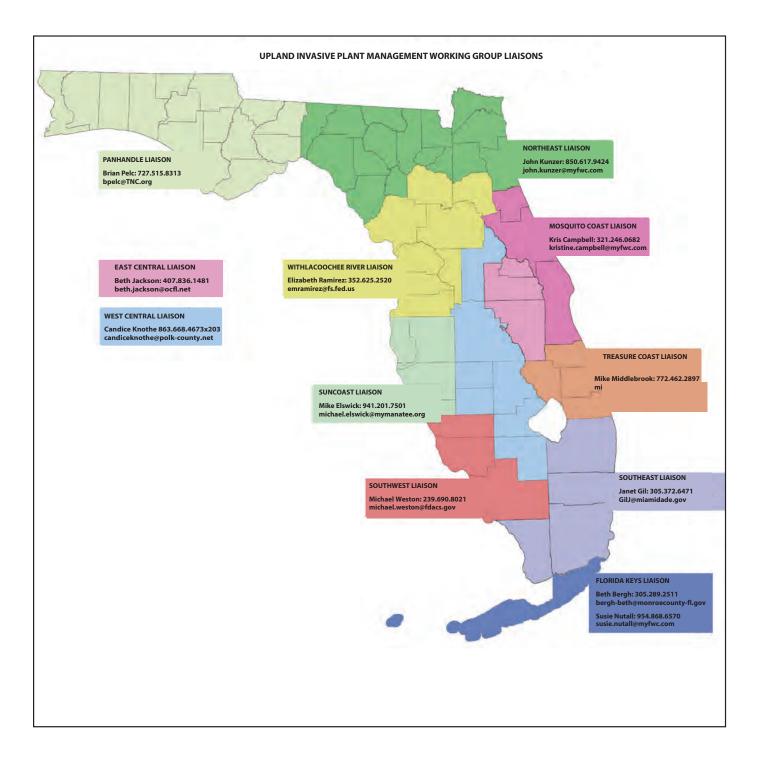
The Melaleuca Program

If an applicant has a proposal to control *only* melaleuca, they will select the "Special" tab in TIERS. The project information entered is the same; however, only program staff will see the proposal.

The Herbicide Bank

The Herbicide Bank provides chemicals at no charge to land managers who are conducting maintenance operations on public conservation land, regardless of who funded the initial control on the site. Specific eligibility and instructions are contained in the Herbicide Bank Handbook.

Appendix A. Working Groups Map



Appendix B. Example Scope of Work

Project

Project Information

Project Title : Blackwater SF John Doe Tract Exotics Fiscal Year : 2019-2020 Project Category : Large Treatment Type : Maintenance

Contact Information

Site Manager Contact Information	Secondary Contact Information
First Name : Rick	First Name : Jackie
Last Name : Clark	Last Name : Smith
Address1 : 3800 Commonwealth BLVD	Address1 : 1234 Funny Farm Rd
City : Tallahassee	City : Two Eggs Omelet
State : FL	State : FL
Zip : 32399	Zip : 32399
Primary Phone : 850-617-9424	Primary Phone: 850-617-9430
Email : rick.clark@myfwc.com	Email id : jackie.smith@myfwc.com
Location	

Managed Area : Blackwater River State Forest Total Acreage of Managed Area : 210,423 Lead Agency : FL Dept. of Agriculture and Consumer Services, Florida Forest Service Regional Working Group : Panhandle

Project Location

Blackwater River State Forest (BRSF) is the largest State Forest in Florida, with more than 210,000 acres of forests, rivers, and lakes. BRSF is located in the western panhandle of Florida in Okaloosa and Santa Rosa Counties (Exhibit A) and is named for the Blackwater River, which runs through the forest for approximately 30 miles. No one in their right mind would want to live here though, the mosquitoes will carry you off and don't get me started on the ticks. Good grief. When you hike this property you better wear a Hazmat suit and spray on every spray you can find with Deet in it. Afterwards, phone a friend or two to check you for ticks.

Project Counties

County
Okaloosa
Santa Rosa

Directions to Pre-bid Location

Directions to Blackwater Forestry Center. From the East: Take Interstate - 10 to exit 56, SR-85/ Crestview. Turn right and drive north 1.7 miles on Ferdon Blvd. (SR-85) to US-90. Turn left and drive west on US-90 for 3.5 miles to SR-4. Turn right and drive north for 4.7 miles on SR-4 to Baker. Turn left and continue on SR-4 for 13.1 miles to CR-191 in Munson Community. Turn left and drive 0.2 miles to the Blackwater Forestry Center offices. From the West: Well, you figure it out. Ain't nobody got time to write down another set of directions when you'll just put the address in your iPhone and get Siri to guide you anyway. Call John Doe if you get lost (850-000-0000)

Description

Managed Area : Blackwater River State Forest

Habitat Description

If you type something in this box, it better be thorough and be sure to check yer spell'un. We don't like to read so we would prefer you fill in the table below. We paid good money for the fancy table and we might as well get our moneys worth.

FNAI Natural Communities

Select				FNAI Natural Communi
_	Unit	Hardwood Forested Uplands	High Pine and Scrub	Disturbed Lands
	John Doe Tract 1 80	10 %	80 %	10 %

Targeted Plants

cogon grass	Imperata cylindrica
Chinese or hedge privet	Ligustrum sinense
Japanese climbing fern	Lygodium japonicum

Other Targeted Plants

Unit Treatment History

Year	Acres	Unit	Agency	Species	TreatmentType	Amount
2016	50	John Doe Tract 1	FWC	lyg, cog, privet	Initial	\$50,000.00
2017	60	John Doe Tract 2	In House	cogon	Maintenance	\$25,000.00
2018	80	John Doe Tract 2	FWC	lyg, cogon	Maintenance	\$80,000.00

Unit Description

Т	reatment Unit (s)	Acreage	Cover class estimates, etc.
Jo 1	ohn Doe Tract		Cogon (Cover Class 4), Lygodium (Cover Class 3), Privet (Cover Class 1). Most of the cogon grass is located in the NW corner of the property. The other exotics are scattered throughout the tract. Total Unit Cover Class 3.
J. 2	ohn Doe Tract	100	They only exotic on this tract is Lygodium (Cover Class 9). That mess is everywhere. The SE corner is completely covered, like some crazy Alfred Hitchcock film, "Under the Cover of Fern." Watch out for zombies. Call Linda if you see any.

Total Treatment Acres: 180.00

Maintenance

Current Fiscal Year Area Maintenance Plan

Take your time here and really explain your approach to treating exotics on your property. We need to see a plan that shows a systematic thoughtful approach to treatments, as well as, how you plan to rotate areas that are in good maintenance control. Something like: John Doe Tract 2 is in its 3rd year of exotic maintenance control. After this upcoming treatment year we feel that we can rotate this unit out for a year because it should be under a 0 - 5% exotic occurrence. We will follow up with any maintenance with in- house staff. John Doe Tract 1 will be an initial treatment. We've been avoiding this tract because of the Lock Ness Monster and the Werewolf siting. We anticipate applying for funding for this tract for 3 consecutive years. We may get matching funds from Animal Planet for the upcoming reality show, Blackwater Werewolves- The Legend Lives. Be sure to MAKE A MAP that describes this plan and load it below. You can even throw in a waypoint for ol Nessy if you want.

Restoration Plan for Native Plants

We know most of you don't have BIG plans to re-vegetate, but let us know if you do. I'm sure we'll do cartwheels if we see someone with funding for that. If you don't have big plans, put in some standard language about how you expect native plants to populate the area through seed dispersal, blah blah blah. Make it sounds good because your working group may score you on this so spend some time on it.

Funding and Labor Source for Follow-up Treatments

This is a biggie! Our goal is to do the heavy lifting 'killing exotics' on your property. Once we've done the hard part we want to see that you are working on ways to maintain your property without our help. Explain how you plan to use volunteers, use your own staff and the herbicide bank, how you plan to hire OPS staff, how you are applying for Ameri-Corps staff, etc... If you are applying for your 12th year of consecutive funding, you know we will be looking at your application with a 'side eye' or giving you that (dog hearing a strange noise) face. Make sure you have plans to treat low density stuff in-house and apply for funding in areas that really need our help.

Specifications

STANDARD Work Specifications

We've put in standard treatment language for the contractors that matches what we expect contractually.

Equipment Considerations

I think that is pretty self explanatory. We expect to see information about ATV use, Swamp buggies, spray trucks, tractors, pogo sticks, skate boards, etc.... If they are only allowed to use a backpack sprayer mounted on a Tyrannosaurus Rex, put it here. We want to cover any equipment based issues in this box.

Other Requirements and Provisions

Be sure to cover any and all issues here. How gate keys will be provided, work time restrictions, where they mix herbicides, where they can store stuff, where they get water, etc... At many pre-quote meetings we realize this section is lacking and have to add everything the contractors needs to know. Spend some time on this.

Threatened, etc. Species

IMPORTANT: FWC is ONLY concerned with T and E species that occur within the treatment units. I know the working groups may rank you on the T and E species that occur throughout your entire property, but we only want what occurs within the treatment unit. You need to explain how you will mark the species of concern or provide training to the contractor on what to avoid in that area. You can upload your full list of T and E species for ranking purposes on the next tab. Example: we have the rare Game of Thrones, Purple Dragon Orchid on the NE corner of John Doe Unit 1. We will flag the areas to avoid with Police Do Not Enter Tape and wrap the Orchid itself in L.E.D. Christmas Tree lights.

Project Time Frame

Timing of the Treatment: Fall/Winter

2 treatments/cogon grass only

⊙Yes ⊙No

Does treatment date matter?

can treatment occur outside of normal business hours? (Required)

○ Yes ○ No

Treatment cannot occur during these dates

Start Dat

End Date

Education and Regional Issues

Public Education Program

This is an area FWC removes when we turn it into a contract, but it it very important for the working groups and the ranking process. It is usually weighted pretty heavily so make sure you go into detail on how your site provides Education. Signage, education centers, tours, hiking trails, kiosks, etc... Make sure to mention organized volunteer days like Air Potato Round-ups, Caesar Weed Pulling Contest, Tegu Lizard racing and python wrestling. :) If you do something that teaches the community about your natural area and its inhabitants make sure you write it here.

Regional Criteria Issues

Please Upload

Budget

FWC Upland Invasive Exotic Control Program

Budget Justification Worksheet Total funds requested from FWC : \$55,000.00 Method of Control : Contracted

Source	Dollars			
suu	\$45.00			
Total matching funds from p	project sponsor (A): <u>\$45.00</u>			

In-kind Contribution

Category	Total Hours	Rate(\$/Hr)	Total in kind value (\$)
supervisor hours	10	\$20.00	\$200.00
Total in-king	d value from project sponse	or (B): \$200.00	

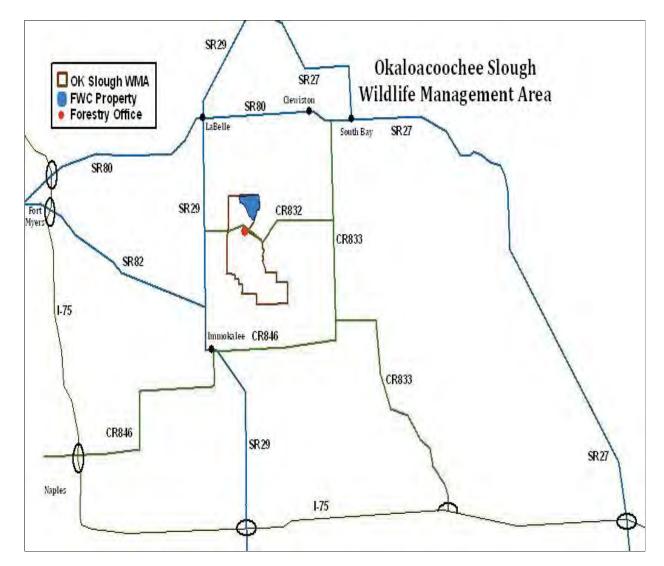
Total matching and in-kind dollars (A+B): <u>\$245.00</u> Total funds requested from FWC (C): <u>\$55,000.00</u> Total cost of Project (A+B+C): <u>\$55,245.00</u>

Notes/Explanations

Information not provided

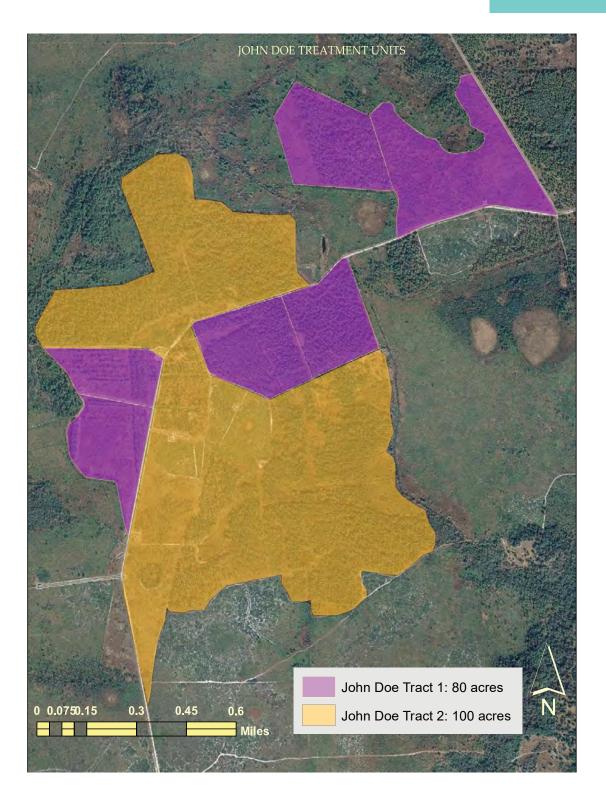
Uploaded documents for the Proposal

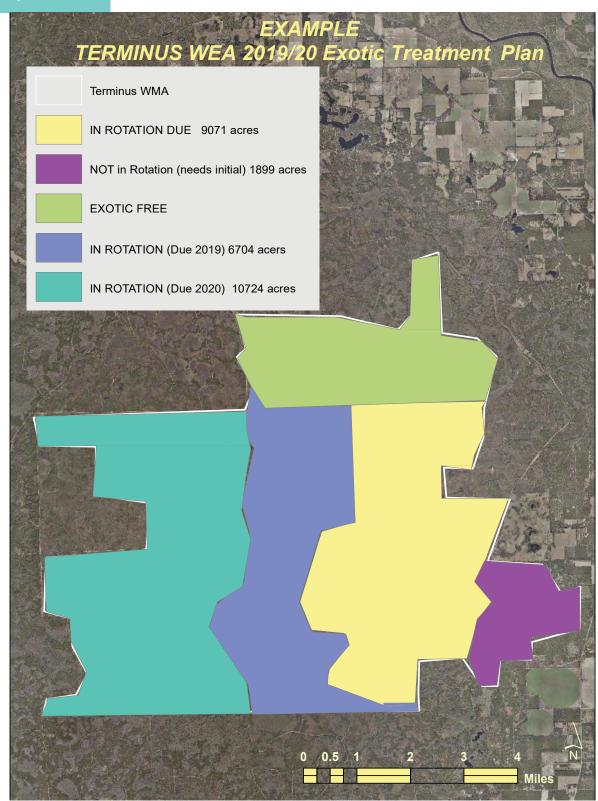
Document Name	Document Type	Description
Maintenance plan example.pdf	Area maintenance plan	Maintenance Plan
example slides for working group presentation 2015.pdf	Ranking meeting presentation	Example presentation
JohnDOE treatment units.pdf	Treatment area map	Treatment Units
prequote meeting location.pdf	Project location/proximity map	



EXAMPLE MAP---Pre-quote meeting location

Example SOW





Example Ranking Criteria Upload to TIERS

SWFL INVASIVE EXOTIC PLANT WORKING GROUP Ranking Criteria

1. FWC Invasive Plant Management Section (IPMS) Priorities. Points can only be awarded for 1a, 1b, 1c, OR 1d.

1a. (5-40 pts) Is this project a FWC Priority 1 project?

40 = 100%-75% of project is comprised of FWC Priority 1 treatment
30 = 74%-50% of project is comprised of FWC Priority 1 treatment
10 = 49%-25% of project is comprised of FWC Priority 1 treatment
5 = 24%-10% of project is comprised of FWC Priority 1 treatment

1b. (2-20 pts) Is this project a FWC Priority 2 project?

20 =100%-75% of project is comprised of FWC Priority 2 treatment
15 =74%-50% of project will contain FWC Priority 2 treatment
5 =49%-25% of project will contain FWC Priority 2 treatment
2 =24%-10% of project will contain FWC Priority 2 treatment

1c. (8-10 pts) Is this project a FWC Priority 3 project?

10 =100%-75% of project is comprised of FWC Priority 3 treatment **8** =74%-50% of project is comprised of FWC Priority 3 treatment

1d. (5 pts) Is this project site a FWC Priority 4 project?

5 =100%-75% of project is comprised of FWC Priority 4 treatment

2. (10 pts) Is this a population of a FLEPPC Category I/Category II species that is new to the SWFL region and that could expand and cause greater problems in thefuture? **10** =Yes

3. (1-10 pts) Are there currently matching funds available for <u>this project</u>? *Matching funds include both direct funding and in*kind funding (e.g. – staff time, volunteers, other sources of labor, AmeriCorps). Match can also include funds expended on invasive plant treatment at <u>this project site</u> within the lastyear.

10 =100% match;	9 =90% match;	8 =80% match;	7 =70% match;	6 =60% match;
5 =50% match;	4 =40% match;	3 =30% match;	2 =20% match;	1 =10% match

4. (6 pts) Have listed plant species been documented for this project site (not your entire property boundary – just this project site)?

6 = 5 or more plants or 1 or more critically endangered endemic

3 = 3-4 plants

1 = 1-2 listed plant species documented

5. _ (1-3 pts) This project helps protect adjacent natural areas that have received FWC Invasive Plant Management Section (IPMS) funding (*Choose only 1 of these options*)--

3 = Project site abuts another FWC IPMS funded natural area

2 = Project site is within 1 mile of another FWC IPMS funded natural area

1 =Project site is within 10 miles of another FWC IPMS funded natural area

6. (3 pts) Are any partners that have not received FWC IMPS funding involved in this project? (*This includes private or public landowners who are simultaneously treating exotics on properties that abut the project site*) **3**=Yes

7. (1-5 pts) Will <u>exceptional</u> ecological benefits be achieved by the project (*e.g., the work will increase species diversity or protect natural plant communities of local, regional, or statewide ecological significance*)? Presenters must make their case to be awarded these points.

____Total (77 possible points)

Appendix C. Template and Example Slides

	PRESENTATION TEMPLATE
Slide	Contents
1	Project Goals. Include location and unit proposed, initial or maintenance treatment and targeted species.
2	Map of conservation land proximity. Highlight projectsyou'vecoordinatedwithadjacent landowners to treat invasiveplants.
3	Map of proposed units for funding.
4	Funding table for proposed treatment unit.
5	Area Maintenance Planfor 2019/20.[Updated Example Map] Distinguish units that are currently due for maintenance, not due for maintenance, units in need of initial treatment (not in maintenance rotation), and units that are largely free of exotics. Feel free to add rotation intervals (time between treatment) and acres. This can be a difficult single slide to prepare depending on treatment history, data, and management complexity. Use more than one slide if necessary, but note this plan is for one year and will change.
6	Education/Outreach; CISMA involvement
7	Threatened and endangered species
8	Regional Criteria

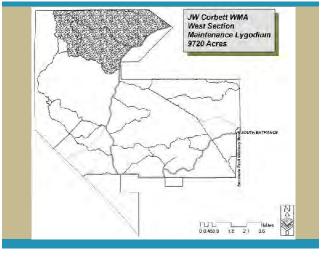
JW Corbett Wildlife Management Area Unit: Northwest 505 Maintenance Lygodium Control

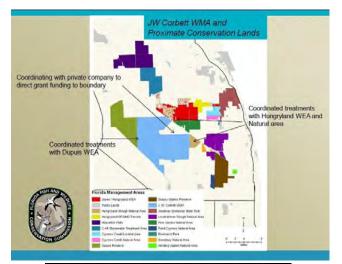
Working Group Southeast Invasive Exotic Plant Working Group

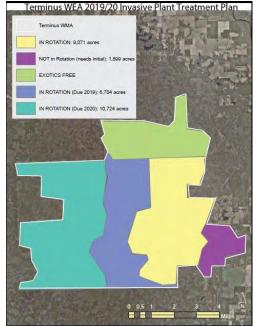
Site Manager Katle Roscoe; Fisherles and Wildlife Biological Scientist

Iorida Fish and Wildlife Conservation Commission











YEAR	ACRES	AGENCY	SPECIES	AMOUNT
2000	3,513	FWC	Initial Lygodium	\$42,156
2007	9,720	IPMS	Initial Melaleuca	\$116,640
2007	9.720	FWC	Re-treat 3513 acres and linitial 6207 acres/Liggeditory	\$116,640
2008	9,720	IPMS	Retreat Lygodium	\$169,128
2009	9,720	FWC	Retreat Esygodium, Melaleuca and initial Java pluma, cogan grass, Brazilian pepper, Australian pine downy rose-myrtle, and earleaf acacia	\$170,000
IPMS: \$285 TOTAL: \$6		IC: \$328,896		-



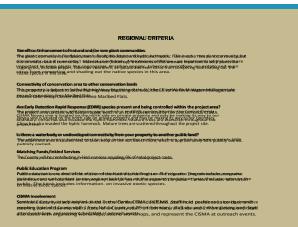
Outreach and Education

- FVRW0.inasestabilshed-numerous-interpretive/kiosks:along/the/Hungnyland Board Walk Trail which aid and inform visitors from native/exotic flora and fauna to historic information.
- Friends:6ft@chattihkitksyearfy.exents.such as the Corbett Clean-up so that volunteers can participate in anerestmentinences:as well-is approvides:sds/ful/anforesterior). It is the area including Escotic? (Treatment Efforts;1;1dnave5h:Detan;4hd);1defpful http://www.friendsofcorbett.com/

11

- In an audutretich léffort/Biologistsubled havermentered students from FAU to assist in graduate level work. (Klosks along Hungryland)
- KKatie Roscoe attends CISWA and James Ascaro attends
 - work days





Appendix D. Grass Management and ConditionalSpecies

One thing we have learned about managing invasive plants is that cogon grass is NOT an outlier in difficulty of management. It may likely be easier to manage cogon grass than Guinea grass, or rose Natal grass, or most other invasive grasses. We have learned that treating grasses once during a year is a recipe for perpetual crisis management. To make significant progress on managing invasive grass species, several (typically 3-4) treatments need to be conducted each year. Treatment methods can and should include a regimen of prescribed fire or mowing, depending on what the site conditions allow. The Uplands Program does not have the financial or logistical ability to pay contractors to treat multiple times in a year, so it is imperative that Site Managers work with us to tackle the problem together. Species with a "C" after the scientific name will be treated only on a conditional basis. Such conditions may include the preparation of a Grass Management Plan, or an in-house management plan for treating non-grass species multiple times within a year, or a one-time request for initial treatment by the program, with the managing agency being responsible for all future maintenance. Any species that would otherwise be treatable might not be treated in any given year, due to program funding constraints or the priority needs of a treatment area. For example, if the proposal includes Brazilian pepper and 30 other species, we might only fund the pepper work.

ScientificName	Common Name	Family
Abrus precatorius ${f C}$	ROSARYPEA	FABACEAE
Acacia auriculiformis	EARLEAF ACACIA	FABACEAE
Adenanthera pavonina	RED SANDALWOOD	FABACEAE
Agavesisalana	SISAL HEMP	AGAVACEAE
Albizia julibrissin	MIMOSA	FABACEAE
Albizia lebbeck	WOMAN'S TONGUE	FABACEAE
Aleuritesfordii	TUNGOIL TREE	EUPHORBIACEAE
Alstoniamacrophylla	DEVILTREE	APOCYNACEAE
Antigononleptopus ${f C}$	CORAL VINE; QUEEN'SJEWELS	POLYGONACEAE
Ardisia crenata	SCRATCHTHROAT	MYRSINACEAE
Ardisiaelliptica	SHOEBUTTON ARDISIA	MYRSINACEAE
Ardisia japonica	JAPANESE ARDISIA	MYRSINACEAE
Aristolochiaelegans C	CALICOFLOWER	ARISTOLOCHIACEAE
Asparagus aethiopicus	SPRENGER'S ASPARAGUS-FERN	ASPARAGACEAE
Asystasia gangetica ${f C}$	CHINESEVIOLET	ACANTHACEAE
Bauhinia variegata	ORCHID TREE	FABACEAE
Begoniacucullata	WAX BEGONIA	BEGONIACEAE

Scientific Name

Bischofia javanica Broussonetia papyrifera Bruguiera gymnorhiza C Callisia fragrans C Calophyllumantillanum Casuarina cunninghamiana Casuarina equisetifolia Casuarina glauca Cecropia palmata Cestrum diurnum Chamaedorea seifrizii Cinnamomum camphora Clematisterniflora Cocosnucifera *Colocasiaesculenta***C** Colubrina asiatica Cryptostegia madagascariensis C Cupaniopsis anacardioides *Cyperus involucratus* **C** *Cyperusprolifer***C** Dactyloctenium aegyptium C Dalbergia sissoo Deparia petersenii Dioscorea alata Dioscorea bulbifera Dolichandraunguis-cati C Elaeagnus pungens Eugenia uniflora Ficus altissima Ficus microcarpa Flacourtia indica Flueggea virosa ssp. melanthesoides Hemarthria altissima**C** *Heteropterys brachiata***C** Hymenachne amplexicaulis C Hyparrhenia rufa C Imperatacylindrica Jasminum dichotomum Jasminumfluminense Kalanchoe pinnata C

Common Name JAVANESE BISHOPWOOD PAPERMULBERRY LARGE-LEAFED ORANGE MANGROVE BASKETPLANT ANTILLES CALOPHYLLUM RIVERSHEOAK AUSTRALIAN-PINE SUCKERING AUSTRALIAN-PINE TRUMPET TREE DAYFLOWERING JESSAMINE BAMBOOPALM **CAMPHORTREE SWEET AUTUMNVIRGINSBOWER** COCONUTPALM WILD TARO LATHERLEAF MADAGASCAR RUBBERVINE CARROTWOOD UMBRELLA PLANT **DWARFPAPYRUS** DURBANCROWFOOTGRASS INDIANROSEWOOD JAPANESE FALSE SPLEENWORT WHITE YAM AIR-POTATO **CATCLAW VINE** SILVERTHORN SURINAM CHERRY COUNCILTREE INDIAN LAUREL GOVERNOR'SPLUM SIMPLELEAF BUSHWEED LIMPO GRASS **BEECHEY'SWITHE** WESTINDIANMARSH GRASS **JARAGUA** COGON GRASS GOLD COAST JASMINE BRAZILIAN JASMINE CATHEDRALBELLS; LIFEPLANT

EXHIBIT 1

Family PHYLLANTHACEAE MORACEAE RHIZOPHORACEAE COMMELINACEAE CLUSIACEAE CASUARINACEAE CASUARINACEAE CASUARINACEAE CECROPIACEAE SOLANACEAE ARECACEAE LAURACEAE RANUNCULACEAE ARECACEAE ARACEAE RHAMNACEAE APOCYNACEAE SAPINDACEAE CYPERACEAE CYPERACEAE POACEAE FABACEAE DRYOPTERIDACEAE DIOSCOREACEAE DIOSCOREACEAE BIGNONIACEAE ELAEAGNACEAE **MYRTACEAE** MORACEAE MORACEAE SALICACEAE PHYLLANTHACEAE POACEAE MALPIGHIACEAE POACEAE POACEAE POACEAE OLEACEAE OLEACEAE CRASSULACEAE

Scientific Name Kalanchoe x houghtonii C Koelreuteria elegans ssp. formosana Lantana camara Leucaena leucocephala Ligustrum japonicum Ligustrum lucidum Ligustrumsinense Livistona chinensis Lonicera japonica Ludwigia peruviana C Lumnitzera racemosa C Lygodiumiaponicum Lygodium microphyllum Manilkara zapota Melaleuca quinquenervia Melaleuca viminalis C Melia azedarach Melinis minutifloraC *Melinisrepens*C Microsorum grossum Microstegium vimneum C Mikania micrantha Mimosapigra Momordica charantia C Murrayapaniculata Nandina domestica Nephrolepisbrownii Nephrolepis cordifolia Neyraudia reynaudiana C Paederia cruddasiana Paederia foetida Panicum repens C Passiflora biflora *Pennisetumpolystachion*C *Pennisetum purpureum* **C** *Pennisetumsetaceum*C Phoenixreclinata Phyllostachys aurea *Platycerium bifurcatum* **C** Praxelis clematidea

Common Name MOTHER-OF-MILLIONS FLAMEGOLD LANTANA WHITE LEAD TREE **JAPANESEPRIVET** GLOSSY PRIVET CHINESEPRIVET CHINESE FAN PALM JAPANESE HONEYSUCKLE PERUVIANPRIMROSEWILLOW BLACK MANGROVE JAPANESE CLIMBING FERN SMALL-LEAF CLIMBING FERN SAPODILLA PUNK TREE BOTTLEBRUSH CHINABERRY TREE MOLASSES GRASS ROSE NATAL GRASS WARTFERN NEPALESE BROWNTOP MILE-A-MINUTE BLACK MIMOSA BALSAMPEAR ORANGE JESSAMINE HEAVENLY BAMBOO ASIANSWORD FERN TUBEROUS SWORDFERN **BURMA REED** SEWER VINE SKUNK VINE TORPEDO GRASS TWOLOBE PASSIONFLOWER **MISSIONGRASS** ELEPHANT GRASS; NAPIER GRASS FOUNTAIN GRASS SENEGAL DATE PALM GOLDENBAMBOO STAGHORN FERN **CLEARYWEED**

EXHIBIT 1

Family

CRASSULACEAE SAPINDACEAE VERBENACEAE FABACEAE OLEACEAE OLEACEAE OLEACEAE ARECACEAE CAPRIFOLIACEAE **ONAGRACEAE** COMBRETACEAE SCHIZAEACEAE SCHIZAEACEAE SAPOTACEAE **MYRTACEAE MYRTACEAE** MELIACEAE POACEAE POACEAE POLYPODIACEAE POACEAE ASTERACEAE FABACEAE CUCURBITACEAE RUTACEAE BERBERIDACEAE NEPHROLEPIDACEAE NEPHROLEPIDACEAE POACEAE RUBIACEAE RUBIACEAE POACEAE PASSIFLORACEAE POACEAE POACEAE POACEAE ARECACEAE POACEAE POLYPODIACEAE ASTERACEAE

Scientic Name

Psidiumcattleianum Psidium guajava Pteris vittata Ptychosperma elegans Pueraria montana var.lobata Rhodomyrtus tomentosa Ricinus communis Ruellia simplex Scaevola taccada Schefflera actinophylla Schinus terebinthifolia Scleria lacustris Senna pendula var.glabrata Sesbania puniceaC Sidaplanicaulis *Solanumdiphyllum*C Solanum tampicense Solanum torvum C Solanumviarum Sphagneticola trilobata C Syagrus romanzoffiana Syzygium cumini Syzygium jambos Talipariti tiliaceum Tectaria incisa Terminalia catappa Terminalia muelleri Thelypteris opulenta Thespesia populnea Tradescantia fluminensis Triadica sebifera Tribulus cistoides Urena lobata C Urochloa maxima C Urochloa mutica C Vitex rotundifolia Vitex trifolia Washingtonia robusta Wisteria sinensis

Common Name STRAWBERRY GUAVA GUAVA CHINESE LADDER BRAKE SOLITAIREPALM KUDZU ROSE MYRTLE **CASTORBEAN** MEXICAN PETUNIA BEACH NAUPAKA AUSTRALIAN UMBRELLA TREE BRAZILIAN PEPPER WRIGHT'SNUTRUSH VALAMUERTO RATTLEBOX MATAPASTO TWOLEAF NIGHTSHADE **AQUATIC SODAAPPLE** TURKEYBERRY TROPICAL SODA APPLE CREEPING OXEYE; WEDELIA QUEEN PALM **JAVAPLUM** MALABAR PLUM **SEAHIBISCUS** INCISED HALBERD FERN WEST INDIAN ALMOND AUSTRALIAN ALMOND **JEWELEDMAIDENFERN** PORTIA TREE SMALL-LEAF SPIDERWORT CHINESE TALLOW JAMAICAN FEVERPLANT CAESARWEED **GUINEA GRASS** PARA GRASS **BEACH VITEX** SIMPLELEAF CHASTETREE WASHINGTONFANPALM CHINESE WISTERIA

EXHIBIT 1

Family **MYRTACEAE MYRTACEAE** PTERIDACEAE ARECACEAE FABACEAE **MYRTACEAE** EUPHORBIACEAE ACANTHACEAE GOODENIACEAE ARALIACEAE ANACARDIACEAE **CYPERACEAE** FABACEAE FABACEAE MALVACEAE SOLANACEAE SOLANACEAE SOLANACEAE SOLANACEAE ASTERACEAE ARECACEAE MYRTACEAE MYRTACEAE MALVACEAE DRYOPTERIDACEAE COMBRETACEAE COMBRETACEAE THELYPTERIDACEAE MALVACEAE COMMELINACEAE **EUPHORBIACEAE** ZYGOPHYLLACEAE MALVACEAE POACEAE POACEAE LAMIACEAE LAMIACEAE ARECACEAE FABACEAE

Appendix E. Step-By-Step Guide For Site Managers To Approve The WPR and COW or PPF in TIERS

EXHIBIT 1

NOTE: The Menu Layout and Verbiage Has Changed Slightly From What You'll See Below. Everything Still Works The Same Way.

Log into TIERS, and choose the correct fiscal year.

	ish and Wild ation Comm		The set	lsk FWC Abo	ut Contact News C	alendar Get Invo
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JPLAND TIERS TEST						
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	al Records 15	The second se	-	and the second sec	Approved/Pending	WPR
PPLICATION	Task No	Scope Of Work	PO Number	PO Status	WPR	Action
eate Project Proposal eekly Progress Report	MC-175	Volusia County Properties	MC-TEST	Open	8/1	View
DW/Partial Pay	SW-220	Corkscrew Regional Ecosystem Watershed	AF55CB	Open	0/1	View
ontact Us	SW-bbin	Barefoot Beach Preserve County Park	BINDI1	Open	2/0	View
	EC-B1A	City of Casselberry Properties	BC-BIAL	Open	1/0	View
	SE-237	Everglades National Park	SE1B1	Open	1/0	View
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Click on "Review Weekly Progress Report" RED ARROW to see the above screen

View the Approved/Pending column to see if you have any WPR's pending. GREEN ARROW This SM has one pending for Volusia County Properties and another pending for Corkscrew Regional Ecosystem Watershed.

Click the "view" link in the WPR Action column BLUE ARROW

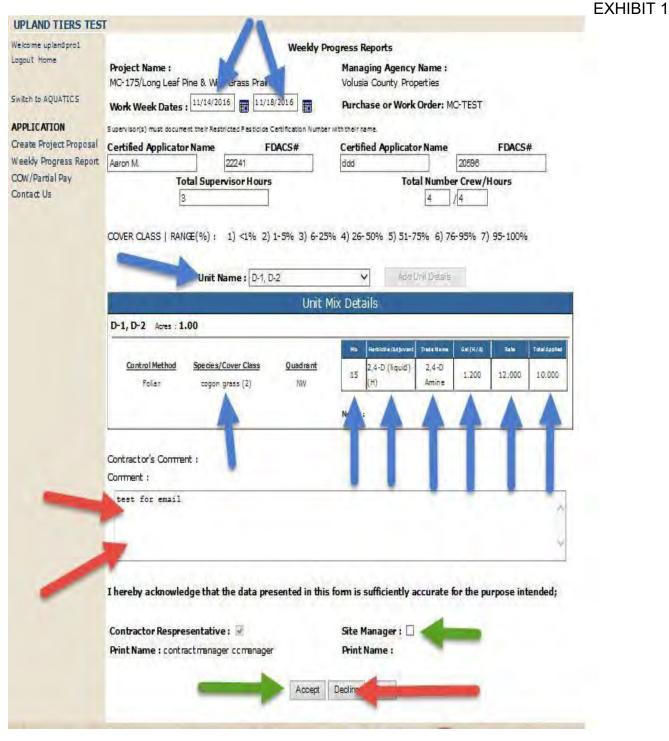
You'll now see this screen:

Fishing Boating	Hunting	Licenses & Permits	Wildlife Viewing	Wildlife & Habitats	Research	Education	n Conservation
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elcome uplandpro1 Igout Home		Purch	ase Order : 1	Weekly Prog	ress Reports	/	
witch to AQUATICS		Man	To Alarca Careen and	MC-175 Volusia	a County Prop	erties	
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Create Project Proposal Neekly Progress Report		Work Dates 11/14/2016 11/18/2016 D-1,	D-2	Unit Name		Status At Site Manager	Edit Needs Approval
COW/Partial Pay Contact Us		10/10/2016 10/14/2016 No U	nit Added			Approved	View
		10/03/2016 10/08/2016 No U	nit Added			Approved	View
		10/02/2016	nit Added			Approved	View
		10/03/2016 10/06/2016 No U	nit Added			Approved	<u>View</u>
		10/09/2016 10/10/2016 No U	nit Added			Approved	View
		10/09/2016 10/11/2016 No U	nit Added			Invoice	View
		11/07/2016	D-1, D-2			Invoice	View
		11/14/2016 11/18/2016 B-2,	D-1, D-2			Invoice	View
					ick		

Click the red Needs Approval link GREENARROW

You'll now see the next screen below (nextpage):

Review the dates, unit name(s), species and herbicide application details BLUE ARROWS, and then either approve GREEN ARROWS or decline RED ARROWS. If you decline, please fill out the comment box so the contractor knows why you've declined the WPR!!



See next page for COW:

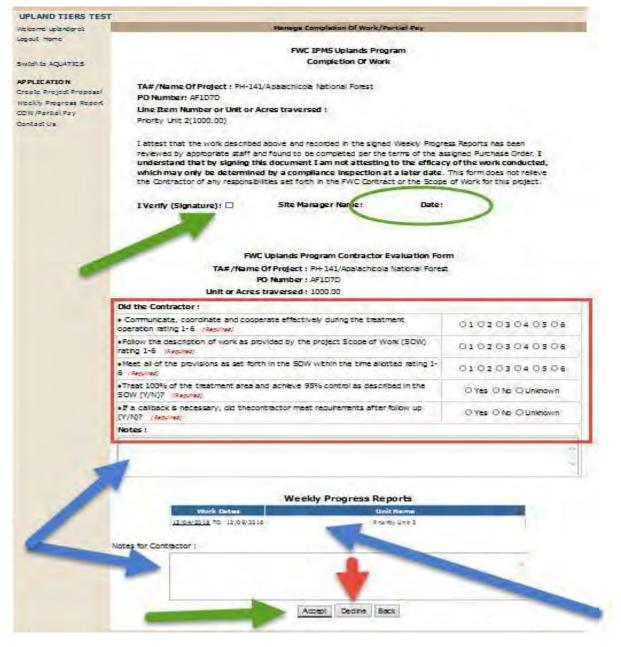
Once the contractor has reached the project end – or has hit an agreed-to Partial Payment point -- click on the COW/Partial Pay link LEFT GREENARROW

UPLAND TIERS TEST					
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PLICATION	Task No	Scope Of Work / Contractor	PO Number	Status	View/Approve
reate Project Proposal	PH-141	Apalachicola National Forest Ground Level, Inc.	AF1D7D	At Site Manager	Completion Of Works
Veekly Progress Report OW/Partial Pay	TC-197	St. Lucie County Properties Native Creations, Inc.	AE9F6E	Invoice at FWC	Completion Of Work
ontact Us	TC-184	Martin County Properties Native Creations, Inc.	AA1BB1	Needs Corrections	Partial Pay <u>View</u>
	PH-141	Apalachicola National Forest Ground Level, Inc.	AF1D7D	Invoice at FWC	Completion Of Work

And then in the View/Approve column, click the blue Approve link SECOND GREEN ARROW

You'll see this screen:

EXHIBIT 1



The BLUE ARROWS are notes boxes and the attached WPR's. If you're going to approve, check the Verify (Signature) box TOP GREEN ARROW. The Name and date will automatically populate where the green oval is. Then click the accept button LOWER GREEN ARROW.

Be sure to fill out the 5-question survey RED RECTANGLE so we know how the contractor did, fromyour perspective. It looks a little different from what you see in the above image. And yes, there is a reason that "Unknown" is a selection option; you'll select that option most of the time.

If you're going to decline (for a good reason) then use the decline button RED ARROW AFTER fillingout the notes box. Otherwise, you'll see the screen below.

TA#/Name Of Project : PH-141/Apalachicola National Forest PO Number : AF1D7D Unit or Acres traversed : 1000.00

bid the Contractor :	
Communicate, coordinate and cooperate effectively during the treatment peration rating 1-6 (Required)	01 02 03 04 05 06
Follow the description of work as provided by the project Scope of Work (SOW) ating 1-6 (Required)	○1 ○2 ○3 ○4 ○5 ○6
Meet all of the provisions as set forth in the SOW within the time allotted rating 1- (Required)	01 02 03 04 05 06
Treat 100% of the treatment area and achieve 95% control as described in the OW (Y/N)? (Required)	○Yes ○No ○Unknown
If a callback is necessary, did thecontractor meet requirements after follow up Y/N)? (Required)	○Yes ○No ○Unknown
lotes :	

S	Week
ne	Work Dates
it 2	12/04/2016 TO 12/09/2016
-	ntractor :
1	
Of Work is declined.	Notes for Contractor is rea
etion Back	Notes for Contractor is rec

***A partial payment form is very similar to the COW, there just won't be asurvey. Some Tips for TIERS:

a. Save, save, save (after every topic)!

b. Who is the site manager and who is the secondary contact? The Site Manager is who will be on-site, sign all the documents, and receive all email notifications from FWC. The secondary contact is who we call when the Site Manager has made enough money to take another job.

c. Provide good directions in the pre-quote meeting map—show folks how to not get lost using their fancy GPS phone.

d. On the unit treatment history remember this is only treatment that has occurred in the area proposed to be treated in this year's proposal. ANY prior treatment done by ANYONE is considered as 'previously treated'. This gives the contractors more information on how to best quote the project.

e. We have changed the Specifications tab to include standardized language. Add only the special conditions or anything not covered for your area.

f. Timing of treatments: list dates when work cannot occur (e.g., hunting season).

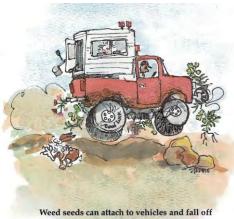
g. When you make your maps, be sure to have a shapefile or GPX file.

THANKS FOR EVERYTHING YOU DO!!

If you have any questions, please contact John Kunzer at (850) 617-9420 or John.Kunzer@myFWC.com

THINK

DECONTAMINATION



further down the road.





 $Spread the Word ... \, Not the Weeds$ Bureau of Land Managementand U.S.ForestService Publication