

**SEMINOLE COUNTY GOVERNMENT
AGENDA MEMORANDUM**

SUBJECT: Watershed Action Volunteer Program

DEPARTMENT: Public Works

DIVISION: Road Operations & Stormwater

AUTHORIZED BY: W. Gary Johnson, P.E.

CONTACT: Mark E. Flomerfelt, P.E.

EXT. 5710

Agenda Date 10/22/2002 **Regular** ☐ **Consent** ☐ **Work Session** ☐ **Briefing** ☒
Public Hearing – 1:30 ☐ **Public Hearing – 7:00** ☐

MOTION/RECOMMENDATION:

For Information Only

BACKGROUND:

The briefing will provide the Board with an overview of the accomplishments of the Watershed Action Volunteer Program.

The Watershed Action Volunteer (WAV) Program was initiated in Seminole County in January 1999 and is a cooperatively funded partnership between the County and the St. Johns River Water Management District (SJRWMD). WAV is a citizen involvement and education program. The program includes, but is not limited to, a Citizen's Water Quality Monitoring Program, a Training Program for Volunteer Educators (promoting and conducting public education via schools, civic groups, HOA's, church groups, etc.) and assisting with the coordination of special events.

Representatives from the St. Johns River Water Management District's Palatka office will be in attendance for this presentation.

Attachment: Slide Presentation

Reviewed by:

Co Atty: N/A

DFS: N/A

Other: N/A

DCM: [Signature]

CM: _____

File No. BPWS01



WATERSHED ACTION VOLUNTEERS
St. Johns River Water Management District

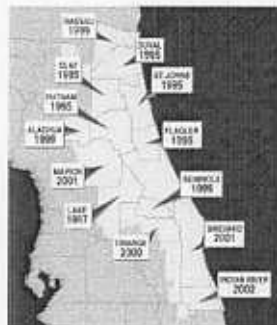


Watershed Action Volunteers WAV

The WAV program in Seminole County is a partnership between St. Johns River Water Management District and Seminole County Road Operations & Stormwater Division to enlist volunteers to help monitor and protect our County's natural resources.

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WAV
counties and
year in which
local
program
began



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Watershed Action Volunteer Program Goals

- Provide opportunities for greater public involvement
- Inform the public about watersheds and their functions
- Develop and nurture partnerships

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WAV Projects

- Submersed aquatic vegetation
- Emeralds Marsh shoreline planting
- Lake Apopka "sock planting"
- "Trashbuster" boat
- Waterwise landscaping workshops



- Monofilament Recovery and Recycling Program
- Stormwater education
- Adopt-A-Storm Drain
- Water Quality Monitoring
- River Summit (Jan. 13-14, 2003)



WAV PROGRAM ACCOMPLISHMENTS

January 1999 – September 1999

- 972 Volunteers have logged over 4,425 hours of service
- Special Project – (River Cleanup) – 1,022 Volunteers that logged over 3,066 hours of service
- TOTAL NUMBER OF VOLUNTEERS – 1,994
- TOTAL NUMBER OF HOURS – 7,491

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WAV PROGRAM ACCOMPLISHMENTS

October 1999 – September 2000

- School Outreach:
 - * 1,351 people, logged in 3,723 hours
- Special Projects – (River Cleanup, Booths, etc.):
 - * 3,055 people, logged in 5,893 hours
- Water Quality Monitoring:
 - * 25 people, logged in 443 hours
- TOTAL NUMBER OF VOLUNTEERS – 4,431
- TOTAL NUMBER OF HOURS – 10,059

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WAV PROGRAM ACCOMPLISHMENTS

October 2000 – September 2001

- School Outreach:
 - * 1,685 people, logged in 2,851 hours
- Special Projects – (River Cleanup, Booths, etc.):
 - * 3,777 people, logged in 7,773 hours
- Water Quality Monitoring:
 - * 21 people, logged in 248 hours
- TOTAL NUMBER OF VOLUNTEERS – 5,483
- TOTAL NUMBER OF HOURS – 10,872

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WAV PROGRAM ACCOMPLISHMENTS

October 2001 – September 2002

- School Outreach:
 - * 1,808 people, logged in 2,467 hours
- Special Projects – (River Cleanup, Booths, etc.):
 - * 3,923 people, logged in 9,567 hours
- Water Quality Monitoring:
 - * 23 people, logged in 234 hours
- TOTAL NUMBER OF VOLUNTEERS – 5,754
- TOTAL NUMBER OF HOURS – 12,268

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WAV Volunteer Programs

- Water Quality Monitoring
- Stormdrain Marking
- Waterways Cleanup
- Educational Programs
(Schools, HOA's, etc.)
- Booth Participation Variety of Events
- Re-Vegetation and Nuisance
Species Removal Projects

Water Quality Monitoring Volunteers

- Sample local waterbodies weekly, bi-weekly, or monthly for:
- Temperature, Secchi, Dissolved Oxygen, pH, Alkalinity, Chlorides;
- 18 month commitment required
- Training and quality assurance testing and result feed back
- Data uploaded to Watershed Atlas

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Water Quality Monitoring



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Stormdrain Marking Program

- Teaches residents the importance of our stormwater systems and how they work
- Teaches residents how and why to reduce the amount of pollution entering their stormwater systems
- Seminole County has over 10,000 Stormdrains
- Volunteers to-date have marked 1,660 Stormdrains
- Groups Targeting: HOA's, Adopt-a-Road Program, Boy & Girl Scouts, Environmental Groups, Schools, Landscape Companies, etc.

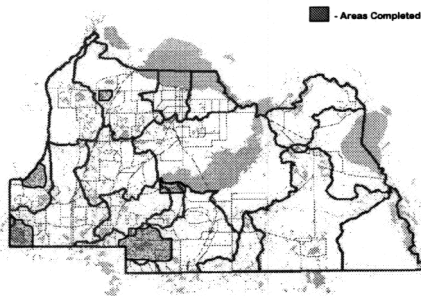
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Stormdrain Marking Program



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Stormdrain Marking Program Areas Completed



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Lake & Stream Projects

- Annual Waterways Day Cleanup
- Lake Asher – Re-vegetation and nuisance species removal project
- Lake Catherine – Nuisance species removal & lake cleanup
- Lake Jesup – Re-vegetation test project and “Sock It To Lake Jesup”
- Little Wekiva (Springs Landing Bridge) – Nuisance vegetation removal and planting
- Variety of smaller projects throughout the County

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Lake & Stream Projects




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Educational Programs

- Environmental training using a variety of educational tools
- Help create a “School Yard Ecosystem” project
- Seminole County Schools participated in the “Sock It To Lake Jesup,” by collecting and filling socks
- Teaches homeowners about their ponds, pollution prevention, water conservation, wetlands, and their stormwater systems

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Educational Programs



The top-left photograph shows a group of students gathered around a table, engaged in a hands-on activity. One student is holding a small object, possibly a plant or a specimen, while others look on. The top-right photograph shows a student standing next to a large, dark, rectangular object, possibly a piece of equipment or a display, with an American flag visible in the background. The bottom-left photograph shows a student sitting on the ground, looking at a small object, possibly a specimen, while another student stands nearby. The bottom-right photograph shows a group of students standing in a line, possibly in a hallway or a classroom, looking towards the camera.

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[illegible]SEMINOLE COUNTY
STORMWATER DIVISION

Stormwater Treating & Reclamation
Truly Reusable by Customer's Standards
Optimizing Inter-connections
Waterways
Remediating Pollution Problems
Managing Unusable Systems
Watered and/or Waterlogged Systems
Assessing & Enhancing Water Quality
Technological Solutions
Enhancing Water Transparency
Reversing Quality of Lake Ecosystems

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Educational Materials (Cont.)



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Florida's water.**
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Future Goals

- Complete the Stormdrain Marking Program throughout Seminole County
- Start an Adopt-a-Pond Program
- EPA EMPACT Grant
 - Incorporate a Water Quality Monitoring Programs in select schools
 - Incorporate an on-line data entry system for the school volunteers into our Watershed Atlas
- Increase our education outreach to the community
- Increase our volunteer participation

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For More Information

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