

1. **POC Name:** Al Braithwaite
2. **POC Organization:** City of Oldsmar
3. **POC Title:** Director of Administrative Services
4. **POC Email:** [ABraithwaite@myoldsmar.com](mailto:ABraithwaite@myoldsmar.com)
5. **POC Phone:** 813-749-1107
6. **Proposed Activity Name:** Brooker Creek and Moccasin Creek TMDL Monitoring and Assessment Plan and TMDL Monitoring
7. **Restoration Council Goals Addressed:**
  - B. Restore Water Quality – Improving water quality in Brooker Creek and Moccasin Creek
  - C. Replenish and Protect Living Coastal and Marine Resources – Improving water quality in Moccasin Creek, which drains into Old Tampa Bay, will help improve and protect the coastal habitat.
8. **RESTORE Act Eligible Activities Addressed:**
  1. Restoration/protection of natural resources, ecosystems, fisheries, marine wildlife habitats, beaches and coastal wetlands and,
  2. Mitigation of damage to fish, wildlife, and natural resources:

This project will begin the evaluation of two waterbodies that have been deemed impaired by EPA and FDEP
9. **Previous Claim:** None
10. **RESTORE Act Pinellas County priorities addressed:**
  - a. Protect and restore native habitats
  - c. Create policies, programs, and/or mechanisms to remediate environmental and/or economic damages

This project will begin the evaluation of two waterbodies, Brooker Creek and Moccasin Creek, which have been deemed impaired by EPA and FDEP
11. **Project Location:** Moccasin Creek is located in the Old Tampa Bay Watershed and Brooker Creek located in the Lake Tarpon Watershed – both areas are in North Pinellas County. Moccasin Creek is completely within the Oldsmar city limits and a very small section of the Brooker Creek Preserve is in the Oldsmar city limits.
12. **Region or Geographic Area Impacted by Project:** The projects will impact the Brooker Creek Preserve and any associated waterbodies, Moccasin Creek, and Old Tampa Bay.
13. **Project Description: Discuss the essential elements of the project. Include what is proposed, clearly list major project tasks or program milestones, the project duration, and why it should be done.** Two water bodies with adopted TMDLs – Brooker Creek and Moccasin Creek – are located within the City of Oldsmar jurisdictional boundaries. This project would develop a

TMDL Monitoring and Assessment Plan for each waterbody. The plans will determine, collect, and assess any outfalls or indirect discharges to the TMDL waterbodies and will be used to determine the best approach for meeting the pollutant load reduction in the adopted TMDL. The work will include storm event monitoring and an estimation of current loading and the development of an implementation plan for reducing pollutant loading to the impaired water bodies.

**14. Project Manager and Key Project Team Members – including credentials and experience doing similar work.**

Project Manager –

- Melanie Grigsby, P.E., Public Works Administrator. Melanie's credentials include Certified Floodplain Manager and Stormwater Inspector Instructor. She has over 10 years of experience in stormwater management including 4 years with the City of Ft. Myers and almost 3 years with Oldsmar, preceded by work in private consulting and Louisiana DOT. Melanie is responsible for managing the City's MS4 NPDES permit and the Stormwater utility.

Key Team Members –

- Lisa R. Rhea, P.E., Director of Public Works. Lisa has assisted with the MS4 permit management and oversees all of Public Works which includes the Stormwater utility.
- Private Consultant – Greenman-Pedersen, Inc or Jones Edmunds & Associates – private consulting firms that currently have the City's continuing services contracts for Environmental Monitoring (GPI) and Transportation & Stormwater (Jones Edmunds).

**15. Environmental and/or Economic Benefits – describe environmental and/or economic benefits of the project:** Brooker Creek and Moccasin Creek are two water bodies within North Pinellas County that are deemed impaired by EPA and FDEP. Implementing this plan would help identify and address the causes of the pollutant loading. The long-term goal would be to have the water bodies meet water quality standards.

**16. Technical Feasibility – describe technologies and relevant past experience or proven success with similar projects.** The use of TMDL monitoring and assessment plans, along with the implementation of the plans, has been used nationwide to address impaired water bodies and help address pollutant loading issues.

**17. Public Acceptance – Describe any known or potential public approval or opposition to the project.** There is no known or potential public opposition to the project.

**18. Project Activity Budget Justification:** \$250,000 – the cost associated with the creating and implementing the assessment are based on using a private consultant to coordinate the technical details and coordinating with the USF DOE on field investigations. This will include laboratory analysis and monitoring equipment.

**19. Describe how the project will utilize a collaborative approach that incorporates partnerships, if applicable:** The City will work with students from the University of South Florida, Department of Engineering on implementing this project.

**20. Describe how the project will support, further, or implement one or more Pinellas County Comprehensive Plan Element goal(s) as identified in the overarching project goals, if applicable. Clearly list each Comprehensive Plan Element goal addressed.**

- Natural Resource Conservation & Management Element, specifically Goal 2 natural systems and living resources.
- Natural Resource Conservation & Management Element, specifically Goal 4 to strengthen connections to the water
- Surface Water Management Element, specifically water quality and natural resource protection, enhancement, restoration and management.

**21. Describe the benefits the project will provide, for how long and why:** The project will help address two impaired water bodies as identified by EPA and FDEP and help reduce pollutant loading for generations to come.

**22. Possible material risks to implement and maintain the proposed activity:** No possible known risks

**23. Best Available Science:** TMDL monitoring and assessment plans and implementation have been used to address pollutant loading issues in water bodies nationwide.

**24. Matching/Other funding:** City staff is requesting \$50,000 be budgeted to begin working on the Brooker Creek TMDL in 2016.

**25. Will the Project be completed within 5 years from date funding is confirmed?** Yes

**26. Identify each project milestones and proposed duration (no. of months) to complete each step and the total number of months or years to complete the project.**

- Coordinate agreement with consulting firm and USF and ask City Council to approve the contracts – 2 months
- Complete the development of the TMDL Monitoring and Assessment Plan – 12 months
- Submit to FDEP for approval – 2 months
- Complete TMDL monitoring in accordance with the plan – 36 months

**27. How long before the project can start after funds are available (months)?** Work as outlined in item 26 will begin immediately upon award.

**28. Describe project design work, permit requirements and hurdles (federal, state, or local) and/or permitting that is in progress.** The project is a plan and study to assess the impaired water bodies. At this time no design work or permits are anticipated.

**29. Describe any issues or reasons that may delay project start or completion.** There are no known issues or reasons that may delay the project implementation. Completion may be delayed depending on the results as field data collection happens.

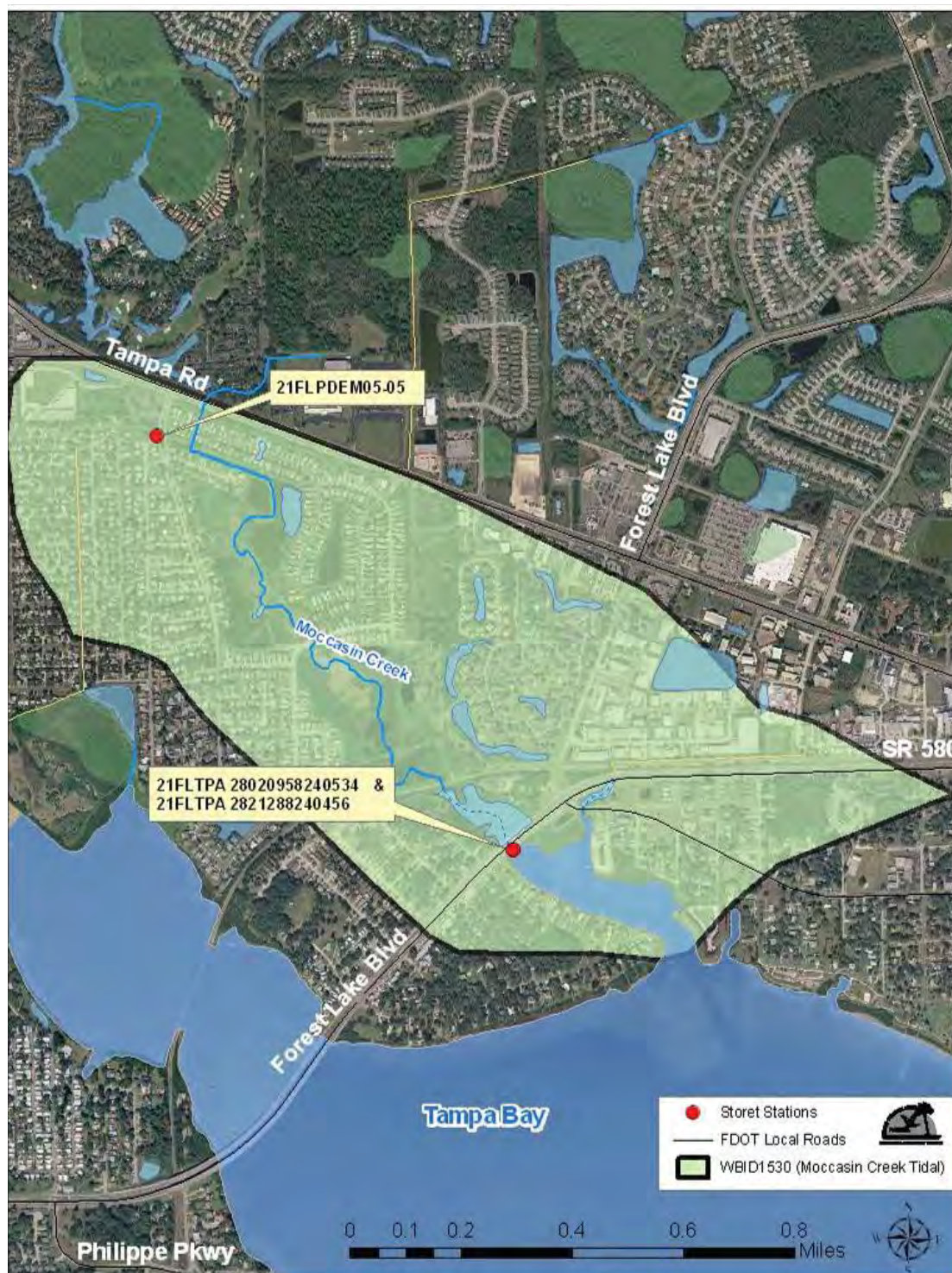


Figure 1.2. Location of the Moccasin Creek Tidal Watershed (WBID 1530) in the City of Oldsmar and STORET Monitoring Stations