

Tampa Bay Projects Database Update

Alafia and Manatee River
BMAP meetings
Oct. 20 – 21, 2011

Purposes

- Update the TBEP's existing projects database (10+ years old; MS Access; not web-enabled)
- Provide a single database for Reasonable Assurance updates, BMAPs, and other project reporting needs within the Tampa Bay watershed
- Allow web-based entry, sharing and reporting of project-related information

Desired Database Attributes

- Non-proprietary, open-source software
- Online data entry and report generation
- Easy-to-use website that can be maintained by TBEP
- Allow project information to be summarized on a variety of spatial scales (e.g., WBID, sub-basin, major basin, watershed)

Approach

Existing project information:

- Migrate project information from the existing Access database, RA plan, and BMAPs into the new database

New or updated project information:

- Submit new information using electronic or web-based entry form
- Initially, focus on updating RA and BMAP projects in Alafia, Manatee and Hillsborough River basins (coordinated by FDEP and AMEC)
- In 2012, update RA projects with location information in the rest of the Tampa Bay watershed (coordinated by TBEP)

Example of Existing Project Information (from 2010 RA document)

Final NMC Approved Document
September 11, 2009; Finalized addressing FDEP comments on January 22, 2010
Bay Segment: Hillsborough Bay (Continued)

Lead Entity:	Completion Date:	ID	Project Name:	Gage Type:	TN Load Reduction (lbs/year)
CSX Transportation	1997	40	CSX Transportation Rockport Terminal	Ungaged	74,000
	2005	922	Stormwater Connection to Hookers Point	Ungaged	3,200
	Bay Segment / Entity Total:				77,200
Lead Entity:	Completion Date:	ID	Project Name:	Gage Type:	TN Load Reduction (lbs/year)
Eastern Terminals	1996	28	Eastern Associated Terminals Stormwater	Ungaged	2,190
	Bay Segment / Entity Total:				2,190
Lead Entity:	Completion Date:	ID	Project Name:	Gage Type:	TN Load Reduction (lbs/year)
Hillsborough County	1995	872	Citrus Conversion to Micro-Irrigation	Both	14
	1995	871	Citrus Conversion to Micro-Irrigation	Both	87
	1995	879	Field and Row Crop Conversion to Micro-Irrigation	Both	106
	1995	875	Citrus Conversion to Micro-Irrigation	Both	110
	1995	890	Strawberry Conversion to Micro-Irrigation	Both	212
	1995	877	Field and Row Crop Conversion to Micro-Irrigation	Both	307
	1995	889	Strawberry Conversion to Micro-Irrigation	Both	613
	1995	885	Field and Row Crop Conversion to Micro-Irrigation	Both	698
	1995	893	Strawberry Conversion to Micro-Irrigation	Both	1,391
	1995	684	Van Dyke Reclaimed	Both	3,053
	1995	685	Northwest and River Oaks Reclaimed	Both	6,472
	1995	683	Dale Mabry Reclaimed	Both	10,946
	1995	686	Falkenburg & Valrico Reclaimed	Both	12,187
	1995	687	South County Reuse System	Ungaged	35,451
	1997	8	Delany Creek Wetland Restoration Project	Ungaged	1,691
	1999	10	Cone Ranch Restoration Project	Gaged	331
	1999	711	MiraBay Property	Ungaged	1,341
	2000	880	Field and Row Crop Conversion to Micro-Irrigation	Both	48
	2000	878	Field and Row Crop Conversion to Micro-Irrigation	Both	139
	2000	886	Field and Row Crop Conversion to Micro-Irrigation	Both	316
	2002	713	Stormwater Research Facility at 132nd and	Ungaged	27
	2004	712	Balm Road Wetland and Stormwater Treatment	Ungaged	911
	2006	1018	Hurley Tailwater Pond	Ungaged	665
	Bay Segment / Entity Total:				77,116

Example of Old Project Information Entry Form

TAMPA BAY ESTUARY PROGRAM (TBEP) ACTION PLAN DATABASE HARD COPY DATA ENTRY FORM FOR NEW PROJECTS Please fill in all heavily boxed areas

Project Name

Lead Entity

TBEP Action Plan Goals

Primary Action Plan Code
TBEP's CCMP goal this project meets (ex. WQ-1; Choose code from CCMP Action Summaries)

Secondary Action Plan Code
include a Secondary Action Plan Code if project meets more than one CCMP goal

Location

Jurisdiction – City or County where project is located (circle all that apply)	All Jurisdictions City of Bradenton City of Clearwater City of St. Petersburg City of Tampa Hillsborough County	Manatee County Pasco County Pinellas County Polk County Sarasota County
Bay Segment – segment of Tampa Bay affected by project (circle all that apply)	All Segments Boca Ciega Bay Hillsborough Bay Lower Tampa Bay	Manatee River Middle Tampa Bay Old Tampa Bay Terra Ceia Bay
Major Drainage Basin – drainage basin of Tampa Bay affected by project (circle all that apply)	Alafia River Boca Ciega Bay Coastal Hillsborough Bay Coastal Lower Hillsborough Bay Coastal Middle Hillsborough Bay	Coastal Old Tampa Bay Hillsborough River Little Manatee River Manatee River Terra Ceia Bay

Schedule

Schedule	Anticipated Initiation (ex. 2003)	Anticipated Completion (ex. 2005)
Project Initiated Use this area to fill in dates for a project that has begun, but not yet completed		
Planned/Not Initiated Use this area to fill in dates for a project still in the planning phase, which has not yet begun		
Completed Use this area to fill in date project was completed		
Discontinued Use this area to fill in date project was discontinued		
Ongoing Choose for education projects only and include initiation date		

Example of Old Project Information Entry Form

TAMPA BAY ESTUARY PROGRAM (TBEP) ACTION PLAN DATABASE HARD COPY DATA ENTRY FORM FOR NEW PROJECTS

Please fill in all heavily boxed areas

Non-Point Source Reductions

TABLE 2. NUTRIENT REDUCTION PROJECTS

(see explanation of terms and choose land use types and treatment methods from lists below)
If your treatment method is not included in the list, skip down to TABLE 3. below

Subbasin Number	Acres Treated	Land Use Type

Treatment Method	Treatment Area

Current load, removal rate and load reduction will be calculated by database

Subbasin Number - choose from map provided or provide latitude/longitude coordinates

Acres treated - size of watershed drainage area (in acres) to be treated

Current land use type and acres of each

Agricultural - Citrus	Commercial	Mining
Agricultural - Feed Lot	Forested Freshwater Wetlands	Multifamily Residential
Agricultural - Field and Row Crop	Freshwater - Open Water	Non-forested Freshwater Wetlands
Agricultural - Nursery	Industrial	Rangeland
Agricultural - Pasture	Institutional/Transportation/Utility	Saltwater Wetlands
Barren	Medium Density Residential	Single Family Residential
		Upland Forested

-- If land use is mixed, choose each land use type, include acres for each type

Treatment Method and Estimated Removal Efficiency Percentage

Alum Injection	35	Infiltration Basin	58
Constructed Wetland	25	Septic Tank Removal	10
Education Programs	10	Vegetated Buffer Strip	35
Exfiltration Trench	57	Vegetated Swale	10
Extended Detention Pond	30	Wet Pond	30

Treatment Area - size of treatment method (ex. size of pond) (using stormwater pond as an example))

New Project Information Website

TBEP Map Viewer

http://im.na.amec.com/TBEP/

AVG Search Page Status News Weather PC Support

TBEP Data Management Portal

Log In

Map Satellite

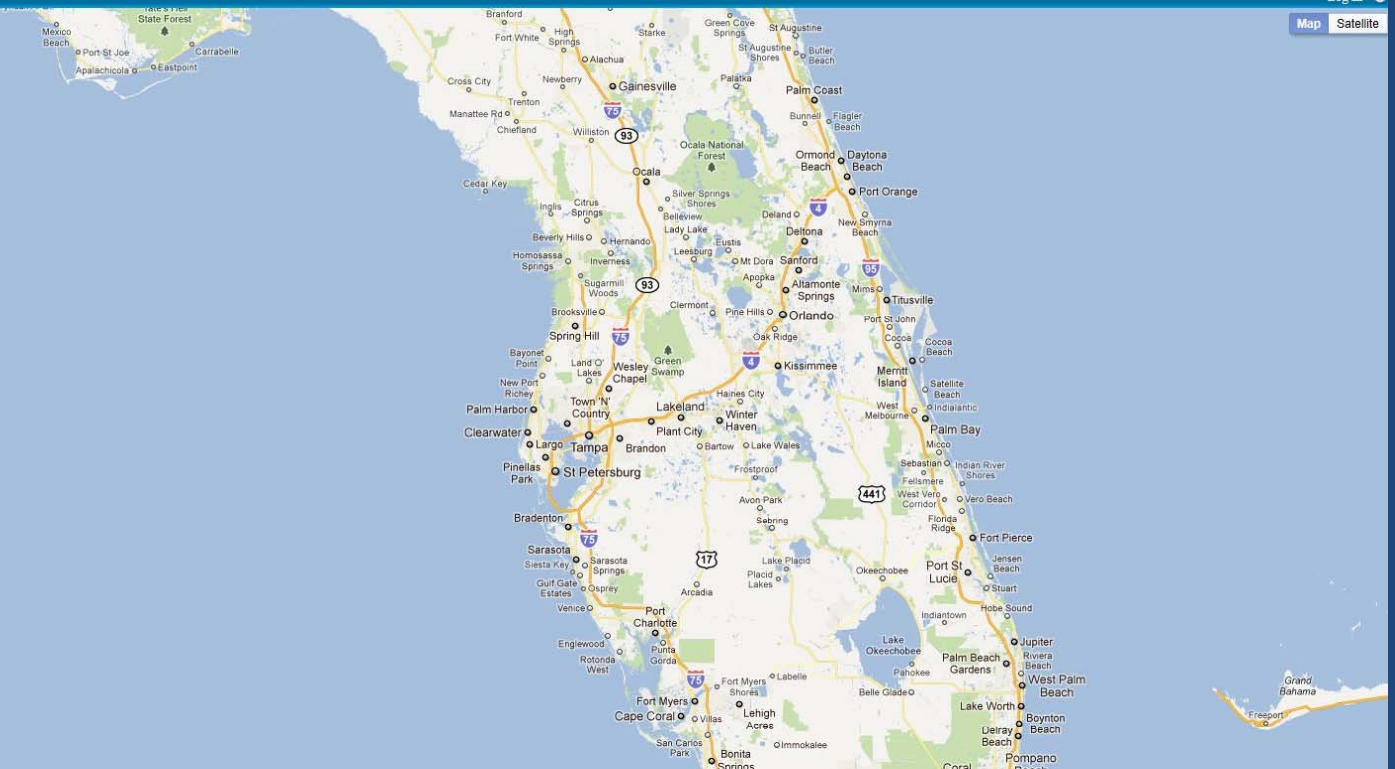
Select a Unit

Current Active Projects: 1053

View All Active Projects:

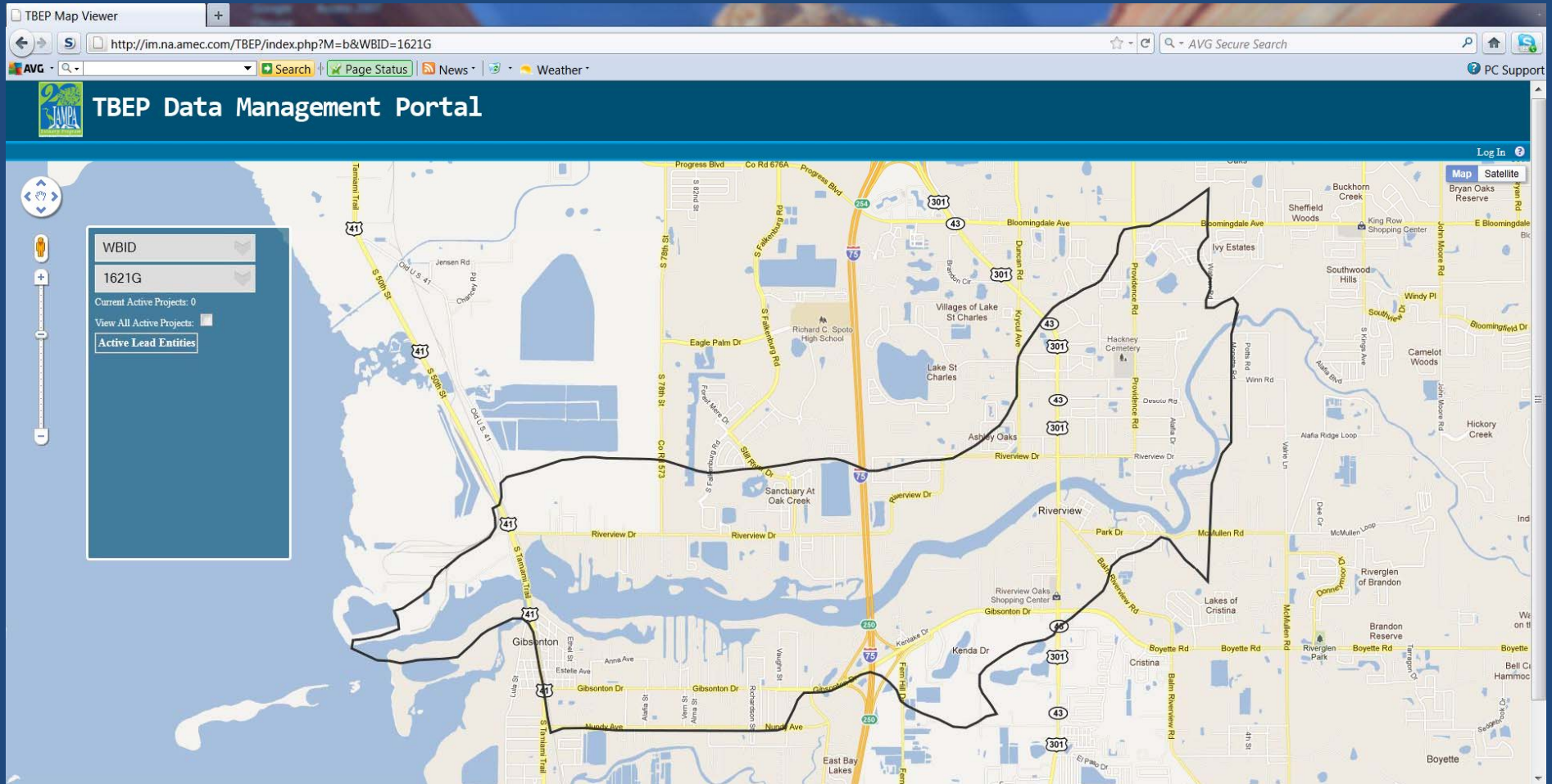
Active Lead Entities

- Manatee County
- Pinellas County
- Hillsborough County
- City of Tampa
- City of St. Petersburg
- City of Clearwater
- SWFWMD
- FDEP
- EPA
- TBRPC
- Tampa Port Authority
- ACOE
- FWC/FWRI
- EPCHC

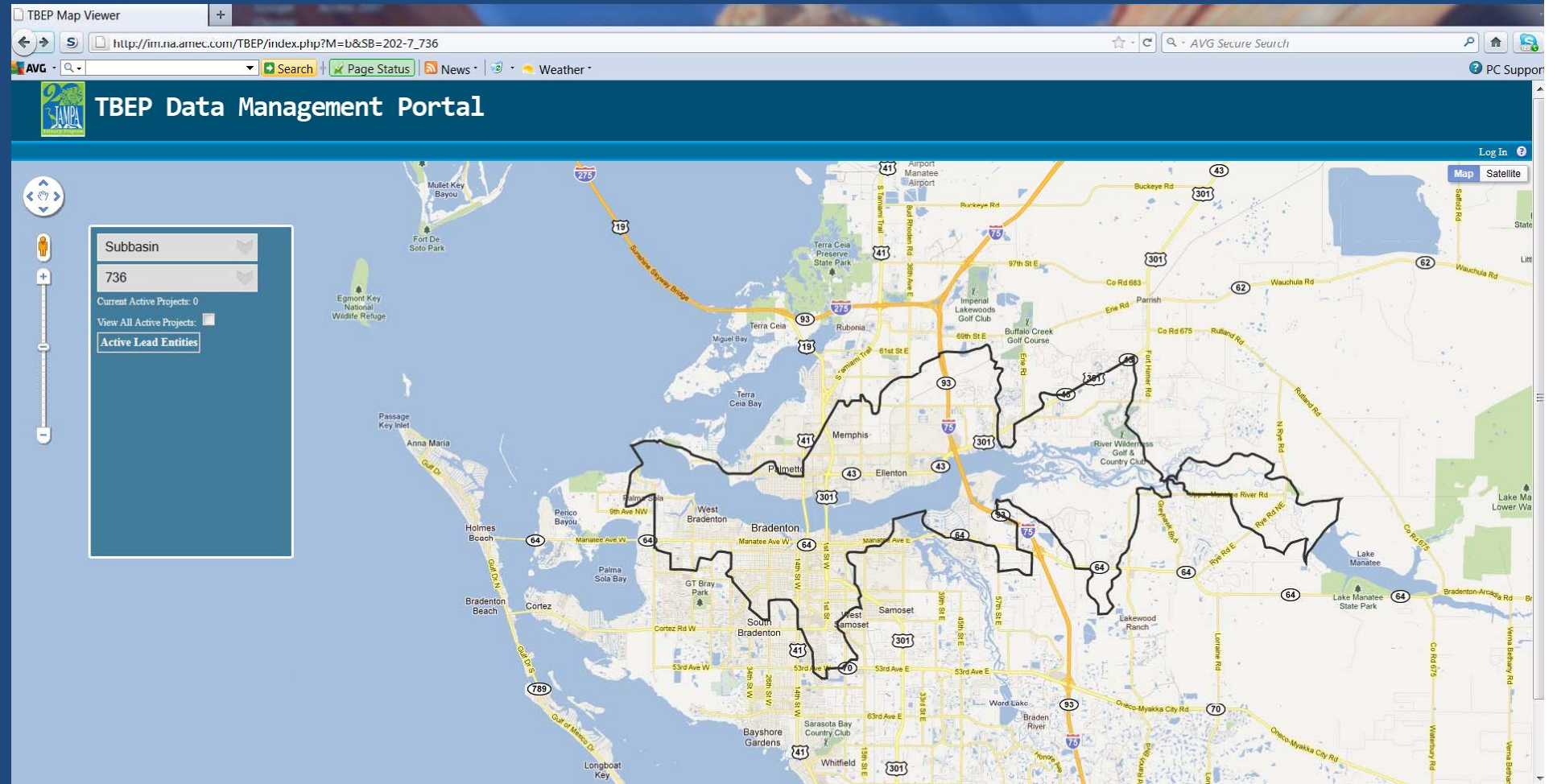


The map displays the state of Florida with various project locations marked by red dots. Major cities and regions are labeled, including Orlando, Tampa, St. Petersburg, Clearwater, and Fort Myers. The map is overlaid with a grid of latitude and longitude lines. The left sidebar contains a list of active lead entities, and the top navigation bar includes links for login, map, and satellite view.

View/enter/summarize project information by hydrologic unit
(basin, sub-basin, WBID, etc.)



Manatee River examples



View/ summarize projects by lead entity

TBEP Map Viewer x Report Template x +

http://im.na.amec.com/TBEP/reporttemplate.php?R=1&LE=1

AVG Search Page Status News Weather

Print Report

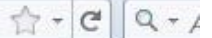
 **Projects By Lead Entity**
Lead Entity: Manatee County

<u>Project ID:</u>	<u>Project Name:</u>
87	Overlay District Projects - Development
88	Overlay District Projects - Agriculture
89	Land Acquisition/Management Project
90	Florida Yards And Neighborhoods Program
91	Central Sewer Hook-up - Manatee County
92	Tropicana Point Discharge To Deep Well Injection
93	Ordinance Restrictions For Landspreading Of Domestic And Citrus Wastewater Residuals
136	Southwest Florida Regional Ambient Monitoring Program (RAMP)
303	FY&N
304	FY&N Implementing BMP's
305	Implementation of IPM
306	

Project ID #91

Manatee County Central Sewer Hookup

e=e&status=1&pid=91&submit=Edit+Record



ge Status | News | Weather

Project Name: Central Sewer Hook-u Lead Entity: Manatee County

Project ID: 91

Log

Action Plan

Location

Schedule

Costs

Description

Bay Habitats

NPS Treatment

PS Treatment

Action Plan: WQ-1-04



1995-1999 Action Plan



Other Source



2000 Update Action Plan



Need More Information



2003 Update Action Plan



2008 RA Update Plan

Secondary Action Plan: WW-2-04



Update Record

Return to Main Menu

Project Location tab

mode=e&status=1&pid=91&submit=Edit+Record

Page Status | News | Weather

Project Name: Central Sewer Hook-u Lead Entity: Manatee County Project ID: 91

Log Action Plan Location Schedule Costs Description Bay Habitats NPS Treatment PS Treatment

Latitude: Longitude:

Jurisdiction: Manatee County +

Bay Segment: Manatee River +

Major Drainage Basin: Manatee River +

Update Record

Return to Main Menu

Project Schedule tab

e=e&status=1&pid=91&submit=Edit+Record

ge Status | News | Weather

Project Name: Central Sewer Hook-u Lead Entity: Manatee County Project ID: 91

Log Action Plan Location **Schedule** Costs Description Bay Habitats NPS Treatment PS Treatment

Project: Initiation: Completion:

☒ Planned
Projects that have begun, but have not yet been completed.

☒ Planned/Not Initiated
Projects that have begun, but have not yet been completed.

☒ Project Completed
Projects that have begun, but have not yet been completed. Completion Date: 2003

☒ Discontinued
Projects that have begun, but have not yet been completed. Discontinued: Select a Year

☒ Ongoing
Projects that have begun, but have not yet been completed.

Update Record

Return to Main Menu

Project Cost tab

ode=e&status=1&pid=91&submit=Edit+Record



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News



Weather

Project Name: Central Sewer Hook-u Lead Entity: Manatee County

Project ID: 91

Log

Action Plan

Location

Schedule

Costs

Description

Bay Habitats

NPS Treatment

PS Treatment

Actual Project Cost:

Project Cost Range: Not Listed

Participant

Participant's Actual
Cost

Participant's Cost Range

Select Participant

\$2545026.00

Select Project Cost Range



Funding Secured: Yes

Projects that have begun, but have not yet been completed.

Funding Sources:

Projects that have begun, but have not yet been completed.

Update Record

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Project Description tab

mode=e&status=1&pid=91&submit=Edit+Record

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Page Status | News * | Weather *

Project Name: Central Sewer Hook-up Lead Entity: Manatee County Project ID: 91

Log Action Plan Location Schedule Costs Description Bay Habitats NPS Treatment PS Treatment

☒ Digital File (Word, WP, PDF) ☒ Hard Copy

Description Text:

The description text field has a limit of 250 characters. Please put additional description information in the External file field below.

Reports:
Click the icon for the report.



Update Record

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Project Description

(imported from Access database)

Central Sewer Hook-Up

ID#91

Residential hook-up to central sewer systems is an important part of Manatee County Public Works Department Capital Improvement Projects (CIP). As CIP monies are available, Public Works and Project Management Departments target subdivision for central sewer. The priorities are based on many components such as historically failing systems, proximity to canals, streams and tributaries or combined with other major infrastructure improvements. From the period 1995-1997, 312 units have been removed from septic systems. If this trend continues, it is estimated that approximately 512 units could be connected to central sewer by the end of 1999.

Non-Point Source Treatment tab

mode=e&status=1&pid=91&submit=Edit+Record

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Project Name: Central Sewer Hook-u Lead Entity: Manatee County Project ID: 91

Log Action Plan Location Schedule Costs Description Bay Habitats **NPS Treatment** PS Treatment

Subbasin	Acres	Landuse	Treatment Method	Treatment Area (acres)
Select ▼	0.00000	Not Listed ▼	Method TN TP TSS ▼	0.00000
☒ Use Alternate Load 7375.00000 (lbs/yr)				
☒ Use Alternate Treatment Method septic to sewer				
☒ Documentation for Alternate Reports: Click the icon for the report				
Removal Rate 100.00000 (%)				+
Total Acres: Aggregate Math Here Total Load Reduction: Aggregate Math Here				

Update Record

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Entering new project

TBEP - Data Contribution System... +

← → S http://im.na.amec.com/TBEP/orgmenu.php

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TBEP Data Submission Portal

Welcome DemoUser

[Help Documentation](#) **Create A Record** [Edit A Record](#) [Reports](#)


Project Name:
Lead Entity:

* form fields value are not preserved once you close the menu!

Next Steps

- Finish website setup; QA information ported over from the old database; begin loading updated/new project information
- Initially, focus on updating RA and BMAP projects in Alafia, Manatee and Hillsborough River basins (coordinated by FDEP and AMEC)
- In 2012, update RA projects with location information in the rest of the Tampa Bay watershed (coordinated by TBEP)