



FDEP's Regional Offshore Sand Source Inventory Project Submittal Challenges and Updates

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Office of Resilience and Coastal Protection
Florida Department of Environmental Protection

39th Annual FSBPA Tech Conference | February 5, 2026



FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION

Presentation Agenda

- ROSSI Historical Background
 - Objective
 - Development
- Project Submittal Process
 - Development
 - Tutorial

A screenshot of the ROSSI (Regional Offshore Sand Source Inventory) website. The page has a dark blue header with the title "ROSSI" and subtitle "Regional Offshore Sand Source Inventory". The Florida Department of Environmental Protection logo is in the top right corner. Below the header is a navigation menu with "Map", "Data", "Resources", and "Help". The main content area contains two paragraphs of text explaining the purpose and data types of the inventory. At the bottom, there is a video player showing a coastal scene with a boat and a red buoy.

ROSSI
Regional Offshore Sand Source Inventory

Map Data Resources Help

Our purpose is to enable users to make the most informed decision possible when it comes to management of our Florida beaches and coastlines. Data that is both current and easily accessible are the key ingredients that facilitate the management process. Two basic types of data will be used in this effort. Spatial data will be used because the environment is geographic in nature. Tabular data will be used to store information about events which take place at locations stored as spatial data and referred to as spatial features.

The database stores information about sand samples. Information associated with sand samples includes, but is not limited to, granulometric data, bathymetry, seismic and sidescan sonar images, core photos, core logs, core descriptions, Munsell Color, metadata (information about the original data), and associated project information.



ROSSI Historical Background



ROSSI Historical Background

Developed by FDEP to enable users to make informed decisions regarding management of Florida beaches and coastlines.

ROSSI

Regional Offshore Sand Source Inventory

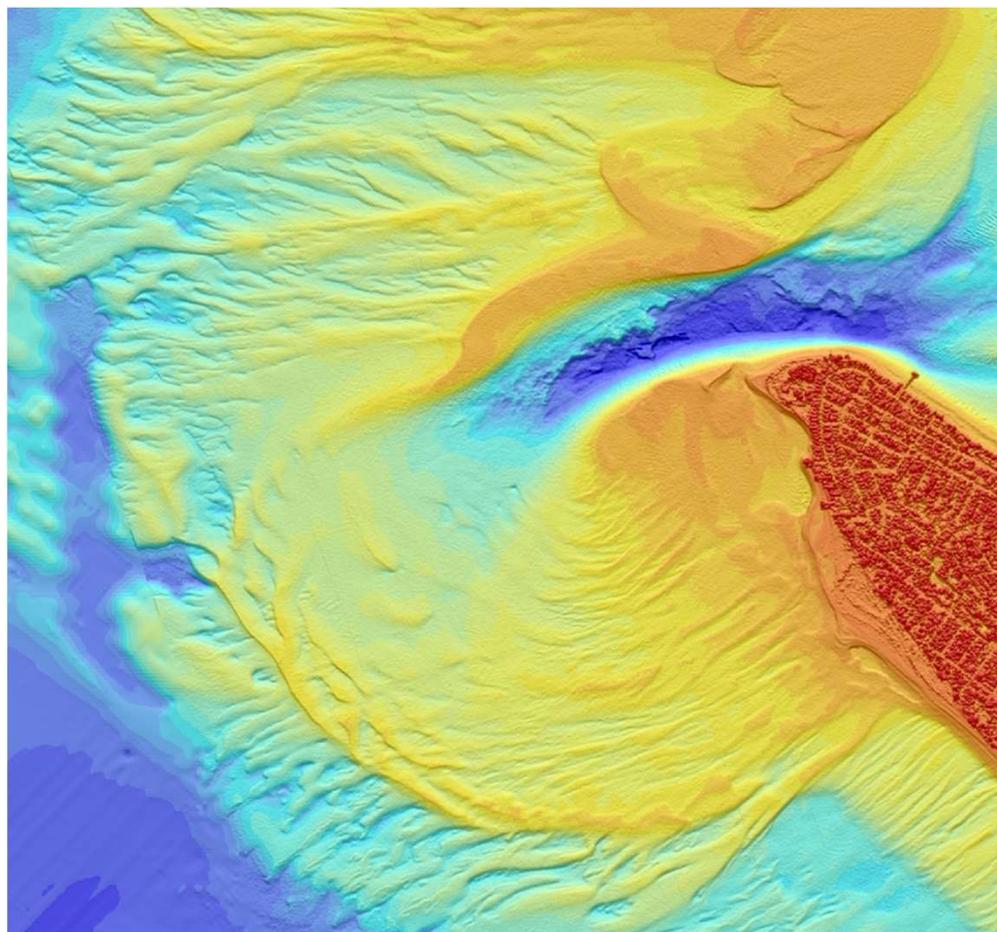




ROSSI Historical Background

ROSSI Data

- Sediment samples
 - Granulometric data
 - Core photos
 - Core logs
 - Core descriptions
 - Munsell color
- Bathymetry
- Seismic and sidescan sonar
- Metadata
- Environmental data
- Borrow area data
- Paleo features

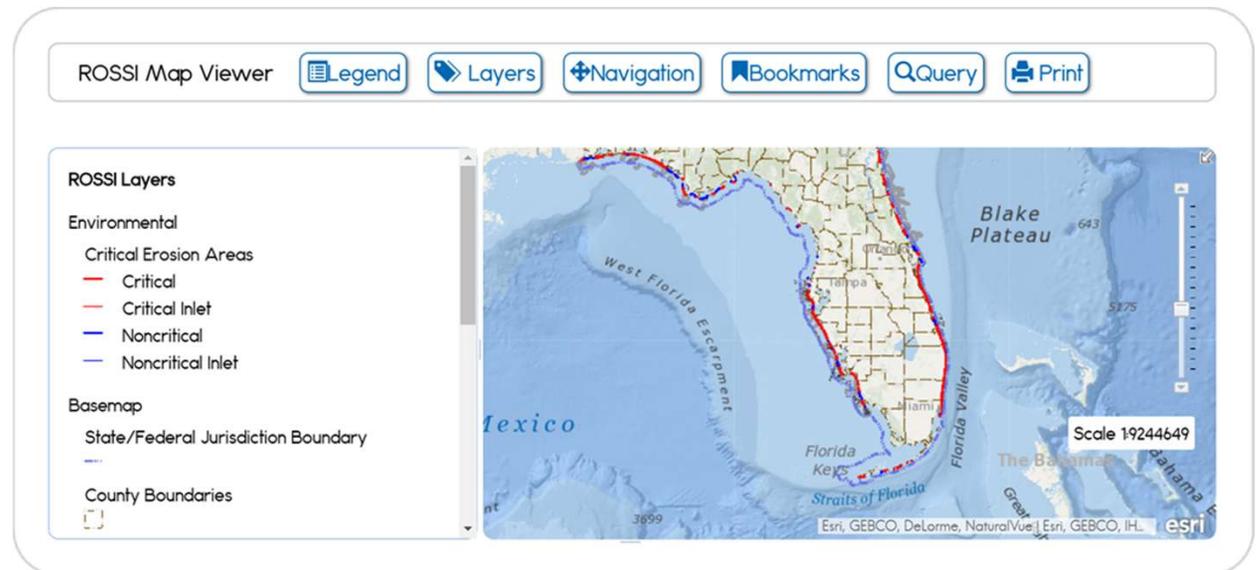




ROSSI Historical Background

ROSSI Data

- Interactive map allows users to:
 - View geospatial data over the web with tools for map interaction
 - Display additional information about features shown in the map
 - Query underlying database





ROSSI Historical Background

ROSSI Timeline

- **2001** – SandPan developed
- **2007** – Reconnaissance Offshore Sand Search (ROSS) completed
- **2007** – Ch. 161.144, F.S. amended by Legislature, creating Offshore Sand Source Inventory (OSSI)
- **2010** – Regional Offshore Sand Source Inventory (ROSSI) rename
- **2014/2015** – ROSSI updates

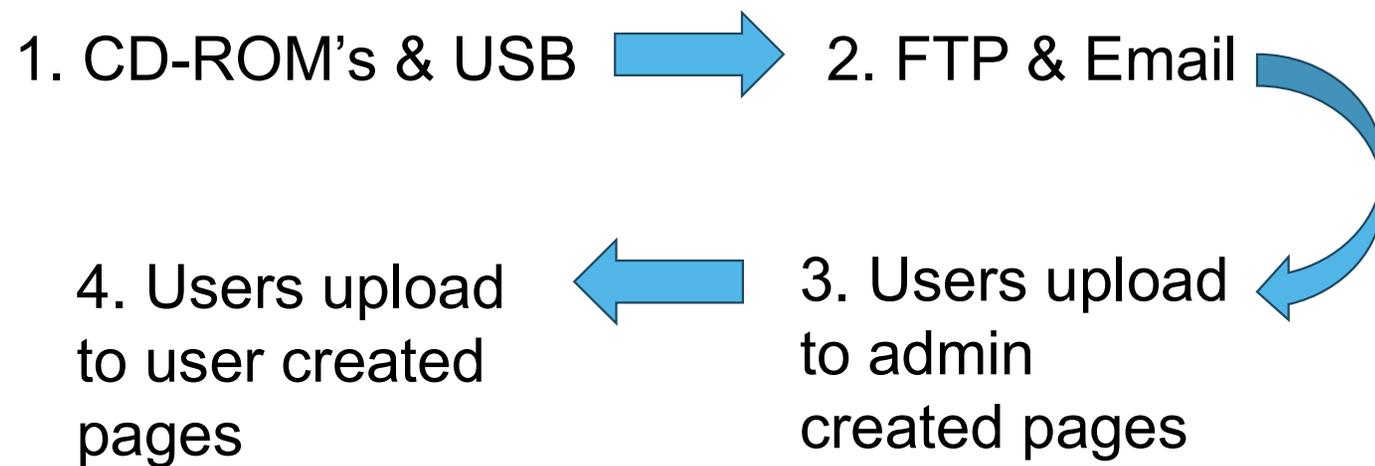


Project Submittal Process



Project Submittal Process

Data Submittal Methods





Project Submittal Process

ROSSI

Regional Offshore Sand Source Inventory



[Home](#) [Map](#) [Data](#) [Resources](#) [Help](#) [Test Account](#)

Please enter your email and ROSSI password to continue

Email Address

The Email Address field is required.

Password

Remember me?

Log in

The data management functions of this system are for limited, authorized users. You may use all of the data browsing, download and mapping functions without having an account. If you are a data provider authorized by FDEP, please [contact us](#) to have an account created for you to upload data and documents.



Project Submittal Process

ROSSI

Regional Offshore Sand Source Inventory



MapData ▾Resources ▾Help ▾Bret Steadman ▾Admin

Our purpose is to make the most informed decision possible when it comes to management of our Florida beaches and coastlines. Data that is both current and ecologically sound are key ingredients that facilitate the management process. Two basic types of data will be used in this effort. Spatial data will be used because they are geographic in nature. Tabular data will be used to store information about events which take place at locations stored as spatial data and references.

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[Database](#)

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[My Projects](#)



Project Submittal Process

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My Projects

Create

Name	Date	Location	Status
Florida Sand Search	12/31/2020	Broward, Miami–Date, Manatee, Sarasota	Draft Submit Files Details
M5 DMMA Offloading and Crossroads Channel Maintenance Dredging	4/1/2025	Stuart, Martin Co.	Active Submit Files Details
TEST 2	N/A		Active Submit Files Details



Project Submittal Process

ROSSI

Regional Offshore Sand Source Inventory



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Create New Project

Name

Date

JCP Number(s)

Status Active

Beach Data Yes (only beach data) ▾

Location

Agency Possessing Data

Agency Managing Data

Contact

[Back to List](#)



Project Submittal Process

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Submit Files for Test 5

Select Files to Upload

No file chosen



Project Submittal Process

ROSSI

Regional Offshore Sand Source Inventory



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Project Details

Name	Test 5
JCP Number(s)	Test JCP
Date	
Location	
Managing Agency	
Possessing Agency	
Contact	
Status	Active
Beach Data	Yes (beach data only)

Project Data Summary

Sample Count	0
Core Count	0
Borrow Area Count	0
Track Line Count	0

[Download Project Files](#)

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THANK YOU

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Florida Department of Environmental Protection

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