

# Data Acquisition Standard Operating Procedures

## St. Andrews Bay Prop Scar Monitoring (ID# 978)

Last Updated: 5/6/2023

### Program Summary

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Seagrass Monitoring

### URLs

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- Program - <http://geodata.myfwc.com/pages/downloads>
- DDI - <https://data.florida-seacar.org/programs/details/978>

### Contacts

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Contact Name	Organization	Email	Phone
Kent Smith		kent.smith@myfwc.com	850-617-9504

### Data Tables

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- Data\_978A\_Final
- Data\_978A\_Load

### Data Stored Procedures

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- usp\_combined\_sav\_insert\_978A

# Data Acquisition Standard Operating Procedures: ProgramID 978

Date Created: 02/20/2019

Created By: *Claude Kershaw*

## Data File Path:

1. "\\forest.usf.edu\data\PDive\CAS-WI\Misc Projects\SEACAR\_FDEP\Data\ID\_978\_SABPropScar\DataToLoad\Combined Prop Scar Data and analyses-St Andrews Bay SWG 6-10.xls"
2. Spatial Data: "\\forest.usf.edu\data\PDive\CAS-WI\Misc Projects\SEACAR\_FDEP\Data\ID\_978\_SABPropScar\DataToLoad\6332 - GPS locations of Prop Scars and Sediment Tubes.xls"

DDI URL: <http://dev.seacar.waterinstitute.usf.edu/datadiscovery/programs/details/978>

## Contact Information:

Contact Name: Kent Smith

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## Procedure Overview:

1. Use SQL Server Import Export Wizard to load the spatial data into table **Locations\_978A**.
2. Use SQL Server Import Export Wizard to load the indicator data into table **Data\_978A\_Load**.
3. Execute procedure usp\_Data\_978A\_Load\_insert to load the data into table **Data\_978A\_Final**.
4. Add the Monitoring Locations from tables **Locations\_978A** to the **SampleLocation\_Point** table if they do not exist there already and add lines to the **SampleLocation\_Line** table. Lines are identified as having both starting and ending coordinates. Points are identified as only having starting coordinates.
5. Add new Monitoring Locations into the **SampleLocation** table. This will generate a LocationID for each Monitoring Location.
6. Update the **SampleLocation\_Point** and **SampleLocation\_Line** table with the LocationID generated in the **SampleLocation** table. Run procedure usp\_SampleLocation\_Point\_update to do this.
7. Update the LocationID column in table **Data\_978A\_Final** with the LocationID in the **SampleLocation** table. Join on the [Station+'T'+Substation] column in **Data\_978A\_Final** and the ProgramLocationID column in **SampleLocation**.

## Data Tables

1. Data\_978A\_Load
2. Data\_978A\_Final

## Data Stored Procedures

1. usp\_Data\_978A\_Load\_insert
2. usp\_SampleLocation\_Point\_update

## GIS Procedures

1. The Monitoring Location information is found in the table **Locations\_978A**.
2. Complete steps 4 through 7 in the "Procedure Overview" section of this document.

```

SET ANSI_NULLS ON
SET QUOTED_IDENTIFIER ON
CREATE PROC [dbo].[usp_combined_sav_insert_978A]
AS
BEGIN
SET NOCOUNT ON;
SET XACT_ABORT ON;

/* ** Convert to row format
*/

ÿ

/*Species Mapping
ÿ

*/

-- Constants - PLEASE SET NOW!!
DECLARE @dataLoadCode varchar(10) = '978A';
DECLARE @combinedTable varchar(50) = 'Combined_SAV'
DECLARE @parameterID int;
DECLARE @TotalRows int;

-- Setup data load
DECLARE @runBy varchar(50) = SYSTEM_USER;
DECLARE @programID int, @dataStreamID int;

SELECT@dataStreamID = DataStreamID,
@programID = ProgramID
FROMDataStreamProcedure
WHEREDataLoadCode = @dataLoadCode;
ÿ

-- Insert data
ÿ

SET @parameterID = 22-- Modified BB Score
INSERT INTO Combined_SAV (ProgramID, DataStreamID, ParameterID, LocationID, GISUniqueID, SampleDate,
SpeciesID, SpeciesGroup1, SpeciesGroup2, SamplingMethod1, SamplingMethod2, ReportingLevel,
QuadSize_m2, Grid, ResultValue, Depth_M, Description, DateAdded, QAQCFlag, QuadIdentifier,
SiteIdentifier)
SELECT@programID, @dataStreamID, @parameterID, a.LocationID, NULL, DateFromParts(2008, 12, 31),
b.SpeciesID, b.Group1, b.Group2, 'Fixed', 'Restored', 'Quadrat', 1, NULL, a.Braun_Blanquet_2008,
NULL, NULL, GETDATE(), NULL, SubStation, Station
FROMDATA_978A_Final a
INNER JOIN ref_species b on b.CommonIdentifier = 'Unknown Seagrass'
WHEREISNUMERIC(a.Braun_Blanquet_2008) <> 0
ANDa.LocationID is not null
ÿ
SET @TotalRows = @@ROWCOUNT

INSERT INTO Combined_SAV (ProgramID, DataStreamID, ParameterID, LocationID, GISUniqueID, SampleDate,
SpeciesID, SpeciesGroup1, SpeciesGroup2, SamplingMethod1, SamplingMethod2, ReportingLevel,
QuadSize_m2, Grid, ResultValue, Depth_M, Description, DateAdded, QAQCFlag, QuadIdentifier,
SiteIdentifier)
SELECT@programID, @dataStreamID, @parameterID, a.LocationID, NULL, DateFromParts(2010, 12, 31),
b.SpeciesID, b.Group1, b.Group2, 'Fixed', 'Restored', 'Quadrat', 1, NULL, a.Braun_Blanquet_2010,

```

```

NULL, NULL, GETDATE(), NULL, SubStation, Station
FROMDATA_978A_Final a
INNER JOIN ref_species b on b.CommonIdentifier = 'Unknown Seagrass'
WHEREISNUMERIC(a.Braun_Blanquett_2010) <> 0
ANDa.LocationID is not null
ÿ

SET @Total Rows = @Total Rows+@@ROWCOUNT

exec usp_combined_data_tracking_insert @parameterID = @parameterID, @ProgramID = @programID,
@dataStreamID = @dataStreamID, @CombinedTableName = @combinedTable, @NumRowsFinal = @Total Rows,
@LastUpdateBy = @runBy

print concat(' ', @Total Rows, ' Rows for parameter ', @parameterID, ' inserted')

-- Shoot count
ÿ

SET @parameterID = 52-- Shoot Count
INSERT INTO Combined_SAV (ProgramID, DataStreamID, ParameterID, LocationID, GISUniqueID, SampleDate,
SpeciesID, SpeciesGroup1, SpeciesGroup2, SamplingMethod1, SamplingMethod2, ReportingLevel,
QuadSize_m2, Grid, ResultValue, Depth_M, Description, DateAdded, QAQCFIag, QuadIdentifier,
SiteIdentifier)
SELECT@programID, @dataStreamID, @parameterID, a.LocationID, NULL, DateFromParts(2008, 12, 31),
b.SpeciesID, b.Group1, b.Group2, 'Fixed', 'Restored', 'Quadrat', 1, NULL, a.Total_Shoot_Counts_2008,
NULL, NULL, GETDATE(), NULL, SubStation, Station
FROMDATA_978A_Final a
INNER JOIN ref_species b on b.CommonIdentifier = 'Unknown Seagrass'
WHEREISNUMERIC(a.Total_Shoot_Counts_2008) <> 0
ANDa.LocationID is not null
ÿ
SET @Total Rows = @@ROWCOUNT

INSERT INTO Combined_SAV (ProgramID, DataStreamID, ParameterID, LocationID, GISUniqueID, SampleDate,
SpeciesID, SpeciesGroup1, SpeciesGroup2, SamplingMethod1, SamplingMethod2, ReportingLevel,
QuadSize_m2, Grid, ResultValue, Depth_M, Description, DateAdded, QAQCFIag, QuadIdentifier,
SiteIdentifier)
SELECT@programID, @dataStreamID, @parameterID, a.LocationID, NULL, DateFromParts(2010, 12, 31),
b.SpeciesID, b.Group1, b.Group2, 'Fixed', 'Restored', 'Quadrat', 1, NULL, a.Total_Shoot_Counts_2010,
NULL, NULL, GETDATE(), NULL, SubStation, Station
FROMDATA_978A_Final a
INNER JOIN ref_species b on b.CommonIdentifier = 'Unknown Seagrass'
WHEREISNUMERIC(a.Total_Shoot_Counts_2010) <> 0
ANDa.LocationID is not null
ÿ

SET @Total Rows = @Total Rows+@@ROWCOUNT

exec usp_combined_data_tracking_insert @parameterID = @parameterID, @ProgramID = @programID,
@dataStreamID = @dataStreamID, @CombinedTableName = @combinedTable, @NumRowsFinal = @Total Rows,
@LastUpdateBy = @runBy

print concat(' ', @Total Rows, ' Rows for parameter ', @parameterID, ' inserted')

/*
SELECT *
FROM Combined_SAV

SELECT Distinct ProgramID, b.IndicatorName, c.ParameterName, NumRowsCombined

```

```
FROM Combined_Data_Tracking a
INNER JOIN Indicator b on a.IndicatorID = b.IndicatorID
INNER JOIN Combined_Parameters c on a.ParameterID = c.ParameterID
WHERE b.Habitat = 'Submerged Aquatic Vegetation'
```

```
SELECT *
FROM Data_978A_Final
```

```
SELECT *
FROM Combined_Parameters a
INNER JOIN Indicator b on a.IndicatorID = b.IndicatorID
where b.Habitat = 'Submerged Aquatic Vegetation'
```

```
SELECT *
FROM DataStreamProcedure
WHERE ProgramID = 978
```

```
SELECT *
FROM ref_species
where 1=1
and habitat = 'Submerged Aquatic Vegetation'
--and scientificName = 'Halophila spp.'
order by scientificName
```

```
SELECT *
FROM ref_conversion_species
where ProgramID = 978
```

```
exec usp_delete_combined 190, 'Combined_SAV'
*/
```

```
END
```

```
GO
```