

Data Acquisition Standard Operating Procedures

Apalachicola Bay Ephemeral SAV Monitoring (ID# 997)

Last Updated: 5/6/2023

Program Summary

Submerged Aquatic Vegetation Monitoring

URLs

- Program - <https://floridadep.gov/rcp/nerr-apalachicola/content/ecosystem-science-programs-anerr>
- DDI - <https://data.florida-seacar.org/programs/details/997>

Contacts

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Data Tables

- Data_997A_Final
- Data_997A_Load
- Data_997B_Final
- Data_997B_Load

Data Stored Procedures

- usp_Data_997A_Load_insert
- usp_combined_sav_insert_997A

```
SET ANSI_NULLS ON
SET QUOTED_IDENTIFIER ON
```

```
CREATE PROC [dbo].[usp_combined_sav_insert_997A]
AS
BEGIN
SET NOCOUNT ON;
SET XACT_ABORT ON;
```

```
-- Constants - PLEASE SET NOW!!
DECLARE @dataLoadCode varchar(10) = '997A';
DECLARE @combinedTable varchar(50) = 'Combined_SAV'
DECLARE @totalRows int;
DECLARE @parameterID int;
```

```
--delete existing data
exec usp_delete_combined 50, @combinedTable
```

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

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

```
-- DON'T LOAD BB SCORE for Programs 997, 4018, 3013 - Per Cheryl on 9/23/2021, revised to '2022-05-22'
include them
```

```
-- Insert data
```

```
ÿ
SET @TotalRows = 0
SET @parameterID = 21 -- BB_Score
```

```
INSERT INTO Combined_SAV (ProgramID, DataStreamID, ParameterID, LocationID, SampleDate, SpeciesID,
SamplingMethod1, SamplingMethod2, ReportingLevel, QuadSize_m2, Grid, ResultValue, Depth_M, DateAdded,
QuadIdentifier, SiteIdentifier)
SELECT@programID, @dataStreamID, @parameterID, a.LocationID, [Date], c.speciesID, 'Fixed',
'Natural', 'Quadrat', 0.25, NULL, a.BraunBlanquet_Cover, NULL, GETDATE(), Quad, CAST(StationID as
varchar)+'_'+CAST(Transect as varchar)
FROMData_997A_Finala
JOINref_conversion_speciesbona.Species = b.OriginalCommonIdentifier AND b.DataStreamID =
@dataStreamID
INNER JOINref_speciesconb.SpeciesID = c.SpeciesID
WHEREa.LocationID is not null
ANDStationID in ('EB1', 'AP4')
ANDa.BraunBlanquet_Cover is not NULL
```

```
ÿ
SET @TotalRows = @@ROWCOUNT
```

```
INSERT INTO Combined_SAV (ProgramID, DataStreamID, ParameterID, LocationID, SampleDate, SpeciesID,
SamplingMethod1, SamplingMethod2, ReportingLevel, QuadSize_m2, Grid, ResultValue, Depth_M, DateAdded,
QuadIdentifier, SiteIdentifier)
SELECT@programID, @dataStreamID, @parameterID, a.LocationID, [Date], c.speciesID, 'Fixed',
'Natural', 'Quadrat', 1, NULL, a.BraunBlanquet_Cover, NULL, GETDATE(), Quad, CAST(StationID as
varchar)+'_'+CAST(Transect as varchar)
FROMData_997A_Finala
JOINref_conversion_speciesbona.Species = b.OriginalCommonIdentifier AND b.DataStreamID =
@dataStreamID
INNER JOINref_speciesconb.SpeciesID = c.SpeciesID
WHEREa.LocationID is not null
```

```

ANDStationID in ('EB2', 'EB3')
ANDa.Braun_Blanquet_Cover 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')
ÿ

-- Insert data
SET @Total Rows = 0
SET @parameterID = 24 -- % Cover

INSERT INTO Combined_SAV (ProgramID, DataStreamID, ParameterID, LocationID, SampleDate, SpeciesID,
SamplingMethod1, SamplingMethod2, ReportingLevel, QuadSize_m2, Grid, ResultValue, Depth_M, DateAdded,
QuadIdentifier, SiteIdentifier)
SELECT@programID, @dataStreamID, @parameterID, a.LocationID, [Date], c.speciesID, 'Fixed',
'Natural', 'Quadrat', 0.25, NULL, a.Perc_cover, NULL, GETDATE(), Quad, CAST(StationID as
varchar)+'_'+CAST(Transect as varchar)
FROMData_997A_Final a
JOINref_conversion_speciesbona.Species = b.OriginalCommonIdentifier AND b.DataStreamID =
@dataStreamID
INNER JOINref_speciesconb.SpeciesID = c.SpeciesID
WHEREa.LocationID is not null
ANDStationID in ('EB1', 'AP4')
ANDa.Perc_cover is not NULL

ÿ
SET @Total Rows = @@ROWCOUNT

INSERT INTO Combined_SAV (ProgramID, DataStreamID, ParameterID, LocationID, SampleDate, SpeciesID,
SamplingMethod1, SamplingMethod2, ReportingLevel, QuadSize_m2, Grid, ResultValue, Depth_M,
DateAdded, QuadIdentifier, SiteIdentifier)
SELECT@programID, @dataStreamID, @parameterID, a.LocationID, [Date], c.speciesID, 'Fixed',
'Natural', 'Quadrat', 1, NULL, a.Perc_cover, NULL, GETDATE(), Quad, CAST(StationID as
varchar)+'_'+CAST(Transect as varchar)
FROMData_997A_Final a
JOINref_conversion_speciesbona.Species = b.OriginalCommonIdentifier AND b.DataStreamID =
@dataStreamID
INNER JOINref_speciesconb.SpeciesID = c.SpeciesID
WHEREa.LocationID is not null
ANDStationID in ('EB2', 'EB3')
ANDa.Perc_cover is not NULL

ÿ
SET @Total Rows = @Total Rows+ @@ROWCOUNT
ÿ
/*
SELECT Count(*)
FROM Combined_SAV
WHERE ProgramID = 997

SELECT *
FROM Combined_Data_Tracking
where ProgramID = 997

SELECT *
FROM Data_997A_Final

SELECT *
FROM Combined_Parameters a
JOIN Indicator b on a.IndicatorID = b.IndicatorID

```

```
where b.Habitat = 'Submerged Aquatic Vegetation'
```

```
SELECT *  
FROM DataStreamProcedure  
WHERE ProgramID = 997
```

```
SELECT *  
FROM ref_conversion_species  
where ProgramID = 997
```

```
exec usp_delete_combined 50, 'Combined_SAV'  
*/
```

```
END
```

```
GO
```

```
SET ANSI_NULLS ON
SET QUOTED_IDENTIFIER ON
CREATE PROC [dbo].[usp_Data_997A_Load_insert]
AS
BEGIN
SET NOCOUNT ON
SET XACT_ABORT ON
ÿ
TRUNCATE TABLE Data_997A_Final

INSERT INTO [dbo].[Data_997A_Final](Record, StationID, Transect, [Date], Quad,
Distance_from_shore_m, Depth_m, Species, Perc_cover, BraunBlanquet_Cover, Blade_length_cm,
Ave_blade_length_cm, Epiphytes, Sediment_type, Other_species_present, Notes)
SELECTRecord, StationID, Transect, [Date], Quad, Distance_from_shore_m, Depth_m, Species,
Perc_cover, BraunBlanquet_Cover, Blade_length_cm, Ave_blade_length_cm, Epiphytes, Sediment_type,
Other_species_present, Notes
FROM[dbo].[Data_997A_Load]

END
GO
```