

Data Acquisition Standard Operating Procedures

Northwest Florida Water Management District (NFWWMD) Land Use Land Cover (LULC) (ID# 4023)

Last Updated: 5/6/2023

Program Summary

This dataset, created by the Florida Department of Environmental Protection's Bureau of Watershed Restoration, is an inventory of Land use - Land Cover classified in the State of Florida's Northwest Florida Water Management District. LULC data for 1995, 2004, 2006-7, 2009-2010, 2012-2013, 2015-2016

URLs

- Program - <https://geodata.dep.state.fl.us/search?groupIds=66dea779e5f9442db5cd89cf60b7d720>
- DDI - <https://data.florida-seacar.org/programs/details/4023>

Contacts

Contact Name	Organization	Email	Phone
Andrew Morris	FDEP, Division of Environmental Assessment and Restoration, Watershed Services Program	Andrew.Morris@dep.state.fl.us	

Data Tables

Data Stored Procedures

- usp_combined_acreage_insert_4023l
- usp_combined_cw_insert_4023

Data Acquisition Standard Operating Procedures: ProgramID 4023

Date Created: 10/17/2018

Created By: Rich Hammond and Claude Kershaw

Data File Path: \\forest.usf.edu\data\PDrive\CAS-WI\Misc
Projects\SEACAR_FDEP\Data\ID_4023_WMDLULC\

DDI URL: <http://dev.seacar.waterinstitute.usf.edu/datadiscovery/programs/details/4023>

Procedure Overview:

1. The Indicator Data for this DataStream is in Spatial format to begin with.
2. The 'lu_nwfwmd_2010' shapefile was loaded into the enterprise geodatabase as the feature class 'GIS_4023A' via ArcCatalog. For more details see GIS Appendix.

Data Tables

1. GIS_4023A

Data Stored Procedures

1. None

GIS Appendix:

<https://dev.seacar.waterinstitute.usf.edu/datadiscovery/programs/details/4023>

Wetlands, Oyster (in 2004 and 2009-10 only)

- NWFWM LULC -
- Load 1995, 2004, 2009-2010, 2015-2016, 2019
- GIS_4023_1995a, GIS_4023_2004a, GIS_4023_2010a, GIS_4023_2016a, GIS_4023_2019a
- Clipped to MA CHIMMP
- Appended into a single layer: GIS_4034 (populating sampledate after each add)
 - 1/1/[year]
- Added fields
- Select wetlands and intersected with ORCP_MA_CHIMMP_Wetlands:
GIS_4023_Intersect1_wetlands
- Select Oyster and intersected with SpatJoin_MA_CoralRegion: GIS_4023_Intersect1_NEW
- Due to multiyear data: After Intersect, Dissolve is needed: original fields and
LandCoverID;LC_Name;CoastalWetland_YN;Oyster_YN;SourceID;SampleDate;Hectares (which is null); UniqueID (which is null); MA_Name; MA_AreaID; CHIMMP_Region; CoralRegion;
MA_NameBUFF; MA_AreaIDBUFF
- Wetlands: `Concatenate("GIS_4023-CW-" + $feature.OBJECTID);` Hectares = !Shape_Area!
* 0.0001
- Oyster: `Concatenate("GIS_4023-" + $feature.OBJECTID);` Hectares = !Shape_Area!
* 0.0001

FLU CCS	REF_LandCover_In clude_LandCoverI D	REF_LandCover_I nclude_LC_Name	REF_LandCover_Includ e_CoastalWetland_YN	REF_LandCover_ Include_SAV_YN	REF_LandCover_I nclude_Oyster_Y N	FREQ UENC Y
612 0	130	Mangrove Swamp	Y	NULL	NULL	7
642 0	199	Salt Marsh	Y	NULL	NULL	8343
651 0	240	Tidal Flat	Y	NULL	NULL	1811
654 0	165	Oyster Bar	NULL	NULL	Y	159

```

SET ANSI_NULLS ON
SET QUOTED_IDENTIFIER ON
CREATE PROC [dbo].[usp_combined_acreage_insert_4023I]
AS
BEGIN
SET NOCOUNT ON;
SET XACT_ABORT ON;

-- Constants - PLEASE SET NOW!!
DECLARE @dataLoadCode varchar(10) = '4023I';
DECLARE @combinedTable varchar(50) = 'Combined_Acreage'
DECLARE @parameterID int

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

SELECT @dataStreamID = DataStreamID,
@programID = ProgramID
FROM DataStreamProcedure
WHERE DataLoadCode = @dataLoadCode;
ÿ
-- Delete Existing Data
exec usp_delete_combined @dataStreamID, @combinedTable
ÿ
-- Insert oyster data
SET @parameterID = 37--Hectares

-- Insert data
INSERT INTO Combined_Acreage (ProgramID, DataStreamID, ParameterID, LandCoverID, AreaID, GISSource,
SampleDate, [Year], SourceDate, ResultValue, MADup)
SELECT @programID, @dataStreamID, @parameterID, a.REF_LandCover_Include_LandCover, a.MA_AreaID,
a.SourceID, a.SampleDate, YEAR(a.SampleDate), NULL, a.Hectares, NULL
FROM GIS_4023_OY_INTERSECTa /*column name?*/
WHERE a.MA_AreaID <> 9999
AND a.MA_AreaID <> 0
AND a.REF_LandCover_Include_Oyster_YN = 'Y'
ÿ
exec usp_combined_data_tracking_insert @parameterID = @parameterID, @ProgramID = @programID,
@dataStreamID = @dataStreamID, @CombinedTableName = @combinedTable, @NumRowsFinal = @@ROWCOUNT,
@LastUpdateBy = @runBy

-- Insert sav data
SET @parameterID = 25--Hectares

-- Insert data
INSERT INTO Combined_Acreage (ProgramID, DataStreamID, ParameterID, LandCoverID, AreaID, GISSource,
SampleDate, [Year], SourceDate, ResultValue, MADup)
SELECT @programID, @dataStreamID, @parameterID, a.REF_LandCover_Include_LandCover, a.MA_AreaID,
a.SourceID, a.SampleDate, YEAR(a.SampleDate), NULL, a.Hectares, NULL
FROM GIS_4023_OY_INTERSECTa /*column name?*/
WHERE a.MA_AreaID <> 9999
AND a.MA_AreaID <> 0
AND a.REF_LandCover_Include_SAV_YN = 'Y'

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

-- Insert cw data
SET @parameterID = 48 --Hectares

-- Insert data

```

```

INSERT INTO Combined_Acreage (ProgramID, DataStreamID, ParameterID, LandCoverID, AreaID, GISSourceID,
SampleDate, [Year], SourceDate, ResultValue, MADup, CHIMMP)
SELECT @programID, @dataStreamID, @parameterID, a.LandCoverID, a.MA_AreaIDBuff, a.SourceID,
a.SampleDate, YEAR(a.SampleDate), NULL, a.Hectares, NULL, a.CHIMMP_Regi on
FROM GIS_4023_CW_INTERSECT a
WHERE a.MA_AreaIDBuff <> 9999
AND a.MA_AreaIDBuff <> 0
AND a.CoastalWetland_YN = 'Y'
ÿ
exec usp_combined_data_tracking_insert @parameterID = @parameterID, @ProgramID = @programID,
@dataStreamID = @dataStreamID, @CombinedTableName = @combinedTable, @NumRowsFinal = @@ROWCOUNT,
@LastUpdateBy = @runBy

/*
SELECT *
FROM Combined_OYSTER
WHERE ProgramID = 4023

SELECT Distinct ProgramID, b.IndicatorName, c.ParameterName, a.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 = 'Oyster/Oyster Reef'

SELECT *
FROM GIS_4023_CW_INTERSECT

SELECT *
FROM GIS_4023_OY_INTERSECT

SELECT *
FROM Combined_Parameters a
INNER JOIN Indicator b on a.IndicatorID = b.IndicatorID
where b.Habitat = 'oyster/oyster reef'

SELECT *
FROM DataStreamProcedure
WHERE ProgramID = 4023

exec usp_delete_combined 1289, 'Combined_OYSTER'
*/

END

```

GO

```

SET ANSI_NULLS ON
SET QUOTED_IDENTIFIER ON
CREATE PROC [dbo].[usp_combined_cw_insert_4023]
AS
BEGIN
SET NOCOUNT ON;
SET XACT_ABORT ON;

--Delete Existing Data
exec usp_delete_combined 1289, 'Combined_CW'

-- Constants - PLEASE SET NOW!!

DECLARE @dataLoadCode varchar(10) = '4023I';
DECLARE @combinedTable varchar(50) = 'Combined_CW'
DECLARE @parameterID int = 48 -- ACERAGE

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

SELECT @dataStreamID = DataStreamID,
@programID = ProgramID
FROM DataStreamProcedure
WHERE DataLoadCode = @dataLoadCode;

-- Insert data
INSERT INTO Combined_CW (ProgramID, DataStreamID, ParameterID, LocationID, SpeciesID, Genus,
SpeciesGroup1, SpeciesGroup2, LandCoverID, SampleDate, Transect_M, ResultValue, DateAdded, QAQCFlag,
AreaID, CHIMMP, Year, Month, GISSourceID, GISUniqueID, DataFileName, MADup)
SELECT @programID, @dataStreamID, @parameterID, NULL, NULL, NULL, NULL, NULL, a.LandCoverID,
a.SampleDate, NULL, a.Hectares, GETDATE(), NULL, a.MA_AreaIDBUFF, a.CHIMMP_Region, NULL, NULL,
a.SourceID, a.UniqueID, NULL, NULL
FROM GIS_4023_CW_INTERSECT a
WHERE a.CoastalWetland_YN = 'Y'

--FROM GIS_4023_INTERSECT_WETLANDS a
--WHERE a.REF_LandCover_Include_CoastalWe = 'Y'

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

/*
SELECT *
FROM Combined_CW
where programid = 4023

SELECT *
FROM Combined_Data_Tracking
where Programid = 4023

SELECT *
FROM GIS_4023_CW_INTERSECT

SELECT *
FROM Combined_Parameters

SELECT *
FROM DataStreamProcedure
WHERE ProgramID = 4023

exec usp_delete_combined 1289, 'Combined_CW'
*/

```

END

GO