ESIL

Office of Response and Restoration

Entity (ENT) | ID: 47482 | Draft

Created: 2017-09-25 | Last Modified: 2019-09-10

Parent: [REGION NAME] [YEAR] ESI Polygons, Lines
Data Set (DS) | ID: 47481

ID: 47482
Entity (ENT)

*** Discovery**
• First Pass
» Metadata Rubric

Item Identification

*** » Title**	ESIL
Short Name	ESIL
*** Status**	Completed
Creation Date	
Revision Date	
• Publication Date	0000-01
*** » Abstract**	The ESIL table contains attribute information for the vector lines representing linear shoreline features with ESI classification.
*** Purpose**	
Notes	Loaded by FGDC Metadata Uploader, batch 10039, 09-25-2017 12:58
Other Citation Details	
• Supplemental Information	
DOI (Digital Object Identifier)	
DOI Registration Authority	

DOI Issue Date	

Keywords

Theme Keywords

Thesaurus	Keyword

Temporal Keywords

Thesaurus	Keyword

* Spatial Keywords

Thesaurus	Keyword

Stratum Keywords

Thesaurus	Keyword

Instrument Keywords

Thesaurus	Keyword

Platform Keywords

Thesaurus	Keyword

Physical Location

• » Organization	
• » City	
• » State/Province	
• Country	
• » Location Description	

Data Entity Information

Entity Type	
Active Version?	
Alias	
Schema Name	
» Description	
Change Summary	

Data Attributes

Attribute Summary

Score	Req'd?	PKey?	» Name	Data Storage Type	Description
100	Yes	No	ESI	TEXT	A numeric or alpha-numeric coded description of the shoreline characteristics for each shoreline segment. Shoreline segments can have up to three ESI codes in their classification. Multiple codes are separated by a forward slash and ordered to represent the shoreline organization of that particular segment. The first code in the sequence is always the most landward shoreline type. For example, a saltwater marsh fringed by a sheltered mud flat would be coded as 10A/9A (10A: Salt and Brackish Water Marshes/9A: Sheltered Sand and Mud Flats /Water).
100	Yes	No	LINE	TEXT	Abbreviation describing the type of water/land interface. All line segments that serve as a shoreline boundary between open water and land are attributed a value of S. All shoreline hydrography not associated with seawater (lakes,

					ponds, reservoirs, some rivers and streams, etc.) are attributed with a value of H. Man-made structures that are not mapped as a part of the contiguous water/land interface are attributed with one of the following values: B D, FN, G, GR, J, or P.
100	Yes	No	ENVIR	TEXT	Abbreviation describing the type of environment where the classified shoreline segment is located. Acceptable values are E-estuarine, R-riverine, L-lacustrine, and P-palustrine.
100	Yes	No	MOST_SENSITIVE	TEXT	If multiple shoreline types appear in ESI classification, this field represents the highest value (most sensitive type); otherwise it is the same value as the ESI field.
100	Yes	No	LANDWARD_SHORETYPE	TEXT	The numeric representation and physical description of the first (or only) ESI type found in the ESI field.
100	No	No	SEAWARD_SHORETYPE1	TEXT	The numeric representation and physical description of the second ESI type in the ESI field (blank if not applicable).
100	No	No	SEAWARD_SHORETYPE2	TEXT	The numeric representation and physical description of the third ESI type in the ESI field (blank if not applicable).
100	Yes	No	GENERAL_SYMBOL	NUMBER	This field is used for symbolizing the ESI shoreline based on a generalized classification scheme; if multiple generalized types occur, this will reflect the highest value.
100	Yes	No	GENERALIZED_ESI_TYPE	TEXT	The numeric representation and physical description of the generalized ESI shoreline type. The generalized shoreline type classification collapses the ESI scale to 5 broader shoreline types. See the NOAA ESI Guidelines for the ESI to GENERALIZED_ESI_TYPE crosswalk.
100	Yes	No	SOURCE_ID	NUMBER	The SOURCE_ID links to SOURCE in the SOURCES data table, where the source for the underlying shoreline segment is listed. This number should be the same as the SOURCE_ID in the HYDRO_LINES layer for the same segment. The SOURCE_ID begins in the range of 1-100, then is added to the Atlas ID number * 10,000 to generate a number that is unique across atlases.
100	Yes	No	ESI_SOURCE	NUMBER	ESI_SOURCE links to SOURCE in the SOURCES data table, where the source used for classifying the shoreline segment is listed. The SOURCE_ID begins in the range of 1-100, then is added to the Atlas ID number * 10,000 to generate a number that is unique across atlases.

Attribute Details

Attribute Name	ESI
Seq. Order	1
Data Storage Type	TEXT
Max Length	12
Min Length	
Required	Yes
Primary Key	No
Precision	
Scale	
Status	Active
Description	A numeric or alpha-numeric coded description of the shoreline characteristics for each shoreline segment. Shoreline segments can have up to three ESI codes in their classification. Multiple codes are separated by a forward slash and ordered to represent the shoreline organization of that particular segment. The first code in the sequence is always the most landward shoreline type. For example, a saltwater marsh fringed by a sheltered mud flat would be coded as 10A/9A (10A: Salt and Brackish Water Marshes/9A: Sheltered Sand and Mud Flats /Water).
General Data Type	
Unit of Measure	
Case Restriction	Upper
Display Example	
Format Mask	
Null Value	
Null Value Meaning	
Allowed Values	1A, 1B, 1C, 2A, 2B, 3A, 3B, 3C, 4, 5, 6A, 6B, 6D, 7, 8A, 8B, 8C, 8D, 8E, 8F, 9A, 9B, 9C, 10A, 10B, 10C, 10D, 10E, 10F
Default Value	
Foreign Key Relations	
Derivation	
Validation Rules	

Attribute Name	LINE
Seq. Order	2
Data Storage Type	TEXT
Max Length	2
Min Length	
Required	Yes
Primary Key	No
Precision	
Scale	
Status	Active
Description	Abbreviation describing the type of water/land interface. All line segments that serve as a shoreline boundary between open water and land are attributed a value of S. All shoreline hydrography not associated with seawater (lakes, ponds, reservoirs, some rivers and streams, etc.) are attributed with a value of H. Man-made structures that are not mapped as a part of the contiguous water/land interface are attributed with one of the following values: B D, FN, G, GR, J, or P.
General Data Type	
Unit of Measure	
Case Restriction	
Display Example	
Format Mask	
Null Value	
Null Value Meaning	
Allowed Values	B = Breakwater | D = Dock | FN = Fender | G = Glacier | GR = Groin |H = Hydrography | J = Jetty |P = Pier | S = Shoreline
Default Value	
Foreign Key Relations	
Derivation	
Validation Rules	

Attribute Name	ENVIR
Seq. Order	3
Data Storage Type	TEXT
Max Length	1
Min Length	
Required	Yes
Primary Key	No
Precision	
Scale	
Status	Active
Description	Abbreviation describing the type of environment where the classified shoreline segment is located. Acceptable values are E-estuarine, R-riverine, L-lacustrine, and P-palustrine.
General Data Type	
Unit of Measure	
Case Restriction	Upper
Display Example	
Format Mask	
Null Value	
Null Value Meaning	
Allowed Values	E (estuarine) | L (lacustrine) | P (palustrine) | R (riverine)
Default Value	
Foreign Key Relations	
Derivation	
Validation Rules	

Attribute Name	MOST_SENSITIVE
Seq. Order	4

Data Storage Type	TEXT
Max Length	4
Min Length	
Required	Yes
Primary Key	No
Precision	
Scale	
Status	Active
Description	If multiple shoreline types appear in ESI classification, this field represents the highest value (most sensitive type); otherwise it is the same value as the ESI field.
General Data Type	
Unit of Measure	
Case Restriction	
Display Example	
Format Mask	
Null Value	
Null Value Meaning	
Allowed Values	1A, 1B, 1C, 2A, 2B, 3A, 3B, 3C, 4, 5, 6A, 6B, 6D, 7, 8A, 8B, 8C, 8D, 8E, 8F, 9A, 9B, 9C, 10A, 10B, 10C, 10D, 10E, 10F
Default Value	
Foreign Key Relations	
Derivation	
Validation Rules	

Attribute Name	LANDWARD_SHORETYPE
Seq. Order	5
Data Storage Type	TEXT

Max Length	60
Min Length	
Required	Yes
Primary Key	No
Precision	
Scale	
Status	Active
Description	The numeric representation and physical description of the first (or only) ESI type found in the ESI field.
General Data Type	
Unit of Measure	
Case Restriction	Mixed
Display Example	
Format Mask	
Null Value	
Null Value Meaning	
Allowed Values	1A: Exposed, Rocky Shores, 1B: Exposed, Solid Man-Made Structures, 1C: Exposed, Rocky Cliffs w/Boulder Talus Base, 2A: Exposed, Wave-Cut Platforms (Bedrock/Mud/Clay), 2B: Exposed Scarps and Steep Slopes (Clay), 3A: Fine to Medium Grained Sand Beaches, 3B: Scarps and Steep Slopes (Sand), 3C: Tundra Cliffs, 4: Coarse Grained Sand Beaches, 5: Mixed Sand and Gravel Beaches, 6A: Gravel Beaches [(Granules/Pebbles)], 6B: Riprap [OR Gravel Beaches (Cobbles/Boulders)], 6D: Boulder Rubble, 7: Exposed Tidal Flats, 8A: Sheltered Scarps (Bedrock/Mud/Clay) [OR Sheltered, Impermeable, Rocky Shores], 8B: Sheltered, Solid Man-Made Structures [OR Sheltered, Permeable, Rocky Shores], 8C: Sheltered Riprap, 8D: Sheltered, Rocky, Rubble Shores, 8E: Peat Shorelines, 9A: Sheltered Tidal Flats, 9B: Vegetated Low Banks, 9C: Hyper-Saline Tidal Flats, 10A: Salt and Brackish Water Marshes, 10B: Freshwater Marshes, 10C: Swamps, 10D: Scrub and Shrub Wetlands, 10E: Inundated Low Lying Tundra, 10F: Mangroves
Default Value	
Foreign Key Relations	
Derivation	
Validation Rules	

Attribute Name	SEAWARD_SHORETYPE1
Seq. Order	6
Data Storage Type	TEXT
Max Length	60
Min Length	
Required	No
Primary Key	No
Precision	
Scale	
Status	Active
Description	The numeric representation and physical description of the second ESI type in the ESI field (blank if not applicable).
General Data Type	
Unit of Measure	
Case Restriction	
Display Example	
Format Mask	
Null Value	
Null Value Meaning	
Allowed Values	1A: Exposed, Rocky Shores, 1B: Exposed, Solid Man-Made Structures, 1C: Exposed, Rocky Cliffs w/Boulder Talus Base, 2A: Exposed, Wave-Cut Platforms (Bedrock/Mud/Clay), 2B: Exposed Scarps and Steep Slopes (Clay), 3A: Fine to Medium Grained Sand Beaches, 3B: Scarps and Steep Slopes (Sand), 3C: Tundra Cliffs, 4: Coarse Grained Sand Beaches, 5: Mixed Sand and Gravel Beaches, 6A: Gravel Beaches [(Granules/Pebbles)], 6B: Riprap [OR Gravel Beaches (Cobbles/Boulders)], 6D: Boulder Rubble, 7: Exposed Tidal Flats, 8A: Sheltered Scarps (Bedrock/Mud/Clay) [OR Sheltered, Impermeable, Rocky Shores], 8B: Sheltered, Solid Man-Made Structures [OR Sheltered, Permeable, Rocky Shores], 8C: Sheltered Riprap, 8D: Sheltered, Rocky, Rubble Shores, 8E: Peat Shorelines, 9A: Sheltered Tidal Flats, 9B: Vegetated Low Banks, 9C: Hyper-Saline Tidal Flats, 10A: Salt and Brackish Water Marshes, 10B: Freshwater Marshes, 10C: Swamps, 10D: Scrub and Shrub Wetlands, 10E: Inundated Low Lying Tundra, 10F: Mangroves
Default Value	
Foreign Key Relations	

Derivation	
Validation Rules	

Attribute Name	SEAWARD_SHORETYPE2
Seq. Order	7
Data Storage Type	TEXT
Max Length	60
Min Length	
Required	No
Primary Key	No
Precision	
Scale	
Status	Active
Description	The numeric representation and physical description of the third ESI type in the ESI field (blank if not applicable).
General Data Type	
Unit of Measure	
Case Restriction	
Display Example	
Format Mask	
Null Value	
Null Value Meaning	
Allowed Values	1A: Exposed, Rocky Shores, 1B: Exposed, Solid Man-Made Structures, 1C: Exposed, Rocky Cliffs w/Boulder Talus Base, 2A: Exposed, Wave-Cut Platforms (Bedrock/Mud/Clay), 2B: Exposed Scarps and Steep Slopes (Clay), 3A: Fine to Medium Grained Sand Beaches, 3B: Scarps and Steep Slopes (Sand), 3C: Tundra Cliffs, 4: Coarse Grained Sand Beaches, 5: Mixed Sand and Gravel Beaches, 6A: Gravel Beaches [(Granules/Pebbles)], 6B: Riprap [OR Gravel Beaches (Cobbles/Boulders)], 6D: Boulder Rubble, 7: Exposed Tidal Flats, 8A: Sheltered Scarps (Bedrock/Mud/Clay) [OR Sheltered, Impermeable, Rocky Shores], 8B: Sheltered, Solid Man-Made Structures [OR Sheltered, Permeable, Rocky Shores], 8C: Sheltered Riprap, 8D: Sheltered, Rocky, Rubble Shores, 8E: Peat Shorelines, 9A: Sheltered Tidal Flats, 9B: Vegetated Low Banks, 9C: Hyper-Saline Tidal Flats, 10A: Salt and Brackish Water Marshes, 10B:

	Freshwater Marshes, 10C: Swamps, 10D: Scrub and Shrub Wetlands, 10E: Inundated Low Lying Tundra, 10F: Mangroves
Default Value	
Foreign Key Relations	
Derivation	
Validation Rules	

Attribute Name	GENERAL_SYMBOL
Seq. Order	8
Data Storage Type	NUMBER
Max Length	
Min Length	
Required	Yes
Primary Key	No
Precision	
Scale	
Status	Active
Description	This field is used for symbolizing the ESI shoreline based on a generalized classification scheme; if multiple generalized types occur, this will reflect the highest value.
General Data Type	
Unit of Measure	
Case Restriction	
Display Example	
Format Mask	
Null Value	
Null Value Meaning	
Allowed Values	1 - 5
Default Value	

Foreign Key Relations	
Derivation	
Validation Rules	

Attribute Name	GENERALIZED_ESI_TYPE
Seq. Order	9
Data Storage Type	TEXT
Max Length	180
Min Length	
Required	Yes
Primary Key	No
Precision	
Scale	
Status	Active
Description	The numeric representation and physical description of the generalized ESI shoreline type. The generalized shoreline type classification collapses the ESI scale to 5 broader shoreline types. See the NOAA ESI Guidelines for the ESI to GENERALIZED_ESI_TYPE crosswalk.
General Data Type	
Unit of Measure	
Case Restriction	Mixed
Display Example	
Format Mask	
Null Value	
Null Value Meaning	
Allowed Values	1: Armored, 2: Rocky and Steep Shorelines (Bedrock/Sand/Clay), 3: Beaches (Sand/Gravel), 4: Flats (Mud/Sand), 5: Vegetated (Grass/Marsh/Mangroves/Scrub-Shrub)
Default Value	
Foreign Key Relations	

Derivation	
Validation Rules	

Attribute Name	SOURCE_ID
Seq. Order	10
Data Storage Type	NUMBER
Max Length	
Min Length	
Required	Yes
Primary Key	No
Precision	
Scale	
Status	Active
Description	The SOURCE_ID links to SOURCE in the SOURCES data table, where the source for the underlying shoreline segment is listed. This number should be the same as the SOURCE_ID in the HYDRO_LINES layer for the same segment. The SOURCE_ID begins in the range of 1-100, then is added to the Atlas ID number * 10,000 to generate a number that is unique across atlases.
General Data Type	
Unit of Measure	
Case Restriction	
Display Example	
Format Mask	
Null Value	
Null Value Meaning	
Allowed Values	[ALLOWED VALUES ADDED AS A RANGE AFTER FINAL ESI GEODATABASE IS CREATED, e.g. 335000012 - 335000016]
Default Value	
Foreign Key Relations	

Derivation	
Validation Rules	

Attribute Name	ESI_SOURCE
Seq. Order	11
Data Storage Type	NUMBER
Max Length	
Min Length	
Required	Yes
Primary Key	No
Precision	
Scale	
Status	Active
Description	ESI_SOURCE links to SOURCE in the SOURCES data table, where the source used for classifying the shoreline segment is listed. The SOURCE_ID begins in the range of 1-100, then is added to the Atlas ID number * 10,000 to generate a number that is unique across atlases.
General Data Type	
Unit of Measure	
Case Restriction	
Display Example	
Format Mask	
Null Value	
Null Value Meaning	
Allowed Values	[ALLOWED VALUES ADDED AS A RANGE AFTER FINAL ESI GEODATABASE IS CREATED, e.g. 335000012 - 335000016]
Default Value	
Foreign Key Relations	
Derivation	

Validation Rules	

Attribute Name	
Seq. Order	
Data Storage Type	
Max Length	
Precision	
Scale	
Required	
Primary Key	
Status	
Description	
General Data Type	
Case Restriction	
Format Mask	
Null Value	
Null Value Meaning	
Min Length	
Unit of Measure	
Display Example	
Allowed Values	
Default Value	
Foreign Key Relations	
Derivation	
Validation Rules	

Attribute Name	
Seq. Order	
Data Storage Type	
Max Length	
Precision	
Scale	
Required	
Primary Key	
Status	
Description	
General Data Type	
Case Restriction	
Format Mask	
Null Value	
Null Value Meaning	
Min Length	
Unit of Measure	
Display Example	
Allowed Values	
Default Value	
Foreign Key Relations	
Derivation	
Validation Rules	

Attribute Name	

Seq. Order	
Data Storage Type	
Max Length	
Precision	
Scale	
Required	
Primary Key	
Status	
Description	
General Data Type	
Case Restriction	
Format Mask	
Null Value	
Null Value Meaning	
Min Length	
Unit of Measure	
Display Example	
Allowed Values	
Default Value	
Foreign Key Relations	
Derivation	
Validation Rules	

Support Roles

» At least one Distributor Org, one Metadata Contact, one Point of Contact, and one Data Steward should be listed.

*** » Support Role**	
*** » Date Effective**	

From	
Date Effective To	
* » Contact	
* Contact Instructions	

* » Support Role	
* » Date Effective From	
Date Effective To	
* » Contact	
* Contact Instructions	

* » Support Role	
* » Date Effective From	
Date Effective To	
* » Contact	
* Contact Instructions	

Extents

Currentness Reference	

Extent Group 1

Extent Description	

Extent Group 1 / Geographic Area

* » W° Bound	
* » E° Bound	
* » N° Bound	
* » S° Bound	

* » Description	

Extent Group 1 / Vertical Extent

EPSG Code	
Vertical Minimum	
Vertical Maximum	

Extent Group 1 / Time Frame

* » Time Frame Type	
* » Start	
End	
Alternate Start as of Info	
Alternate End as of Info	
Description	

Access Information

* » Security Class	
* Security Classification System	
Security Handling Description	
• Data Access Policy	
» Data Access Procedure	
• » Data Access Constraints	
• Data Use Constraints	

Metadata Access Constraints	
Metadata Use Constraints	

Distribution Information

Start Date	
End Date	
» Download URL	
Distributor	
File Name	
Description	
File Date/Time	
File Type	
FGDC Content Type	
File Size	
Application Version	
Compression	
Review Status	

Start Date	
End Date	
» Download URL	
Distributor	
File Name	
Description	
File Date/Time	
File Type	
FGDC Content	

Type	
File Size	
Application Version	
Compression	
Review Status	

Start Date	
End Date	
» Download URL	
Distributor	
File Name	
Description	
File Date/Time	
File Type	
FGDC Content Type	
File Size	
Application Version	
Compression	
Review Status	

Activity Log

Activity Time	
Activity Type	
Responsible Party	
Description	

Activity Time	
Activity Type	
Responsible Party	

Description	

Activity Time	
Activity Type	
Responsible Party	
Description	

Issues

Issue Date	
Author	
Issue	

Issue Date	
Author	
Issue	

Issue Date	
Author	
Issue	

FAQs

Date	
Author	
Question	
Answer	

Child Items

Rubric scores updated every 15m

Score	Type	Title

Related Items

Item Type	Relationship Type	Title

Catalog Details

Catalog Item ID	47482
Metadata Record Created By	David Moe Nelson
Metadata Record Created	2017-09-25 12:58+0000
Metadata Record Last Modified By	Jill Petersen
» Metadata Record Last Modified	2019-09-10 16:24+0000
Metadata Record Published	
Owner Org	ORR
Metadata Publication Status	Never Published
Do Not Publish?	N
Metadata Workflow State	Draft
Metadata Next Review Date	