

Saint-Gaudens National Historic Site 2014 Wetland Study Point Feature

File Geodatabase Feature Class



Tags

Wetlands, NPS, National Park Service, Saint-Gaudens, NH, New Hampshire

Summary

The purpose was to provide detailed wetland/aquatic resource identification and boundary information for the area of Blow-Me-Down-Creek in the immediate vicinity (upstream/downstream) of Blow-Me-Down-Dam.

Description

The objective of this investigation was to respond to a request for regional assistance for a comprehensive delineation of wetland habitats subject to jurisdiction under Section 404 of the Clean Water Act and all wetlands subject to National Park Service (NPS) procedures for implementing Director's Order #77-1: Wetland Protection within the floodplain of Blow-Me-Down-Creek upstream and within the immediate area surrounding Blow-Me-Down-Dam on Saint Gaudens National Historic Site (SAGA) lands. This work utilized the U.S Army Corps of Engineers (USACE) Interim Regional Supplement to the Corps of Engineers Wetland Delineation Manual: Northeast and Northcentral Region (January 2012) as the primary methodology for making wetland determinations in the field. A total of 3 palustrine wetlands encompassing 7.23 acres of land were identified and delineated from 22 -25 September 2014 within the study area (Fig. 1). Observed wetland habitats were primarily a combination of palustrine, emergent, persistent, habitats (PEM1) and scrub-shrub (PSS) habitats that exhibited extensive soil saturation at the time of the investigation. All of the identified and mapped palustrine wetland systems meet both the U.S. Army Corps of Engineers criteria and the Cowardin et al. (1979) definitions of wetland habitat. No new riverine wetland systems were identified and mapped over the course of this investigation.

Credits

National Park Service, Natural Resources and Science

Use limitations

No restrictions on accessing the data - boundary data collected by Peter J. Sharpe - National Park Service.

Extent

West -72.378311 **East** -72.374509
North 43.500046 **South** 43.496462

Scale Range

Maximum (zoomed in) 1:5,000
Minimum (zoomed out) 1:150,000,000

ArcGIS Metadata ►**Topics and Keywords ►**

* CONTENT TYPE Downloadable Data
 EXPORT TO FGDC CSDGM XML FORMAT AS RESOURCE DESCRIPTION No

THEME KEYWORDS Wetland

Hide Topics and Keywords ▲

Citation ►

TITLE Saint-Gaudens National Historic Site 2014 Wetland Study Point Feature
 CREATION DATE 2015-04-26 00:00:00

PRESENTATION FORMATS * digital map

Hide Citation ▲

Citation Contacts ►

RESPONSIBLE PARTY

INDIVIDUAL'S NAME Peter Sharpe
 ORGANIZATION'S NAME National Park Service, NERO
 CONTACT'S POSITION Hydrologist
 CONTACT'S ROLE principal investigator

CONTACT INFORMATION ►

PHONE
 VOICE 2678581001

ADDRESS
 TYPE
 E-MAIL ADDRESS peter_sharpe@nps.gov

Hide Contact information ▲

RESPONSIBLE PARTY

INDIVIDUAL'S NAME James Farrell
 ORGANIZATION'S NAME DOI National Park Service, Northeast Region Natural Resources and Science
 CONTACT'S POSITION GIS Specialist
 CONTACT'S ROLE point of contact

Hide Citation Contacts ▲

Resource Details ►

DATASET LANGUAGES * English (UNITED STATES)
 DATASET CHARACTER SET utf8 - 8 bit UCS Transfer Format

SPATIAL REPRESENTATION TYPE * vector

SUPPLEMENTAL INFORMATION

Pink wetland delineation flags were marked with a unique alpha numeric code and hung at regular intervals around the perimeter of each identified wetland habitat and located using a sub-meter accurate GPS system. Representative wetland test pits were also similarly flagged and located. GPS-based coordinates were collected for wetland test pit and boundary flags between 23-24 September 2014, using a Trimble GeoXT receiver with an external Hurricane antenna in datum NAD83, UTM – zone 19N, meter coordinates and TerraSync software. A minimum of 4 satellite vehicles were tracked. Where possible a maximum Position Dilution of Precision (PDOP) of 6 was maintained for each set and a minimum of 50 positions were taken at each point feature. The data were post-processed and differentially corrected using Pathfinder Office 5.30 and base data downloaded from the SPRINGFIELD VT (VTSP), VERMONT (ITRF00 (1997) CORS station (for more info see <http://geodetic.vermont.gov/> and <http://www.ngs.noaa.gov/CORS/Sites/vtsp.html>). The data were then exported to shapefile format. Following this procedure we have estimated accuracies in the X and Y direction of 0 to 5 meters, using the above standards while selective availability (SA) is set to zero. No tests were done to confirm the X/Y direction accuracy during this investigation.

* PROCESSING ENVIRONMENT Microsoft Windows 7 Version 6.1 (Build 7601) Service Pack 1; Esri ArcGIS 10.3.0.4322

CREDITS

National Park Service, Natural Resources and Science

ARCGIS ITEM PROPERTIES

* SIZE 0.008
 * NAME T20140407_SAGA_wetland_points
 * LOCATION file:///\\INPNEPH103832\C\$\Users\jefarrell\Desktop\Projects\Current Projects\SAGA\sharpe_wetlands\20150503_SAGA_wetlands.gdb
 * ACCESS PROTOCOL Local Area Network

[Hide Resource Details ▲](#)

Extents ►

EXTENT

GEOGRAPHIC EXTENT

BOUNDING RECTANGLE

EXTENT TYPE Extent used for searching
 * WEST LONGITUDE -72.378311
 * EAST LONGITUDE -72.374509
 * NORTH LATITUDE 43.500046
 * SOUTH LATITUDE 43.496462
 * EXTENT CONTAINS THE RESOURCE Yes

EXTENT IN THE ITEM'S COORDINATE SYSTEM

* WEST LONGITUDE 711964.780400
 * EAST LONGITUDE 712260.156200
 * SOUTH LATITUDE 4819296.839500
 * NORTH LATITUDE 4819686.011400

* EXTENT CONTAINS THE RESOURCE Yes

[Hide Extents ▲](#)

Resource Maintenance ►

RESOURCE MAINTENANCE

UPDATE FREQUENCY not planned

MAINTENANCE CONTACT

INDIVIDUAL'S NAME Peter Sharpe
 ORGANIZATION'S NAME National Park Service, NERO
 CONTACT'S POSITION Hydrologist
 CONTACT'S ROLE principal investigator

CONTACT INFORMATION ►

PHONE
 VOICE 2678581001

ADDRESS
 TYPE
 E-MAIL ADDRESS peter_sharpe@nps.gov

[Hide Contact information ▲](#)

[Hide Resource Maintenance ▲](#)

Resource Constraints ►

CONSTRAINTS

LIMITATIONS OF USE

No restrictions on accessing the data - boundary data collected by Peter J. Sharpe - National Park Service.

[Hide Resource Constraints ▲](#)

Spatial Reference ►

ARCGIS COORDINATE SYSTEM

* TYPE Projected
 * GEOGRAPHIC COORDINATE REFERENCE GCS_NAD_1983_2011
 * PROJECTION NAD_1983_2011_UTM_Zone_18N
 * COORDINATE REFERENCE DETAILS

PROJECTED COORDINATE SYSTEM

WELL-KNOWN IDENTIFIER 102387
 X ORIGIN -5120900
 Y ORIGIN -9998100
 XY SCALE 10000
 Z ORIGIN -100000
 Z SCALE 10000
 M ORIGIN -100000
 M SCALE 10000
 XY TOLERANCE 0.001
 Z TOLERANCE 0.001
 M TOLERANCE 0.001

HIGH PRECISION true
 LATEST WELL-KNOWN IDENTIFIER 6347
 WELL-KNOWN TEXT PROJCS["NAD_1983_2011_UTM_Zone_18N",GEOGCS
 ["GCS_NAD_1983_2011",DATUM["D_NAD_1983_2011",SPHEROID
 ["GRS_1980",6378137.0,298.257222101]],PRIMEM["Greenwich",0.0],UNIT
 ["Degree",0.0174532925199433]],PROJECTION["Transverse_Mercator"],PARAMETER
 ["False_Easting",500000.0],PARAMETER["False_Northing",0.0],PARAMETER
 ["Central_Meridian",-75.0],PARAMETER["Scale_Factor",0.9996],PARAMETER
 ["Latitude_Of_Origin",0.0],UNIT["Meter",1.0],AUTHORITY["EPSG",6347]]

REFERENCE SYSTEM IDENTIFIER

* VALUE 6347
 * CODESPACE EPSG
 * VERSION 8.2.6

Hide Spatial Reference ▲

Spatial Data Properties ►

VECTOR ►

* LEVEL OF TOPOLOGY FOR THIS DATASET geometry only

GEOMETRIC OBJECTS

FEATURE CLASS NAME T20140407_SAGA_wetland_points
 * OBJECT TYPE point
 * OBJECT COUNT 293

Hide Vector ▲

ARCGIS FEATURE CLASS PROPERTIES ►

FEATURE CLASS NAME T20140407_SAGA_wetland_points
 * FEATURE TYPE Simple
 * GEOMETRY TYPE Point
 * HAS TOPOLOGY FALSE
 * FEATURE COUNT 293
 * SPATIAL INDEX TRUE
 * LINEAR REFERENCING FALSE

Hide ArcGIS Feature Class Properties ▲

Hide Spatial Data Properties ▲

Lineage ►

LINEAGE STATEMENT

- The following relates to all points Feat_Name="Point_ge"
 Points collected in the field by Pete Sharpe 2014. Postprocessed 20140924

Postprocess details:

-----Base Data Details:-----

Using reference position from base provider:

Name: CORS, SPRINGFIELD VT (VTSP), VERMONT (ITRF00 (1997)-Derived from IGS08 (NEW))

Position: 43°16'53.27353"N, 72°28'39.24370"W, 155.34 m

Source: D:\Roland\SAGA\Base\CORS, SPRINGFIELD VT (VTSP), VERMONT (ITRF00 (1997))-

Derived from IGS08 (NEW))

vtsp26614165.zip

Local time: 9/23/2014 11:59:45 AM to 9/23/2014 4:59:45 PM

Position: 43°16'53.24116"N, 72°28'39.23842"W, 156.53 m, 0.00 m Antenna height

Distance from base provider: 1.01m

vtsp26714126.zip

Local time: 9/24/2014 7:59:45 AM to 9/24/2014 1:59:45 PM

Position: 43°16'53.24116"N, 72°28'39.23842"W, 156.53 m, 0.00 m Antenna height

Distance from base provider: 1.01m

-----Coverage Details:-----

Rover file: SAGA-WETLANDS2.SSF

Local time: 9/24/2014 8:43:15 AM to 9/24/2014 1:13:35 PM

100% total coverage

100% coverage by vtsp26714126.zip

Rover file: SAGAWETLANDS1.SSF

Local time: 9/23/2014 12:42:00 PM to 9/23/2014 4:07:39 PM

100% total coverage

100% coverage by vtsp26614165.zip

Differentially correcting...

Differential correction settings:

Use smart automatic filtering: On

Re-correct real-time positions: On

Output positions: Corrected only

Processing rover file, SAGA-WETLANDS2.SSF ...

...to output file, D:\Roland\SAGA\SAGA-WETLANDS2.cor

Carrier processing...

Selected 8313 positions for post-processing

Corrected 2812 positions

Failed to correct 5501 positions

362 of these were due to insufficient satellites for position fix

4820 of these were due to insufficient carrier segment length

Code processing...

Selected 8313 positions for post-processing

Corrected 8273 positions

Failed to correct 40 positions

Chose 579 code solutions over the carrier solutions

579 code solutions were of higher quality

Filtered out 41 uncorrected positions

(only "Corrected" positions selected for output)

Processing rover file, SAGAWETLANDS1.SSF ...

...to output file, D:\Roland\SAGA\SAGAWETLANDS1.cor

Carrier processing...

Selected 9091 positions for post-processing

Corrected 1725 positions

Failed to correct 7366 positions

299 of these were due to insufficient satellites for position fix

6485 of these were due to insufficient carrier segment length

Code processing...

Selected 9091 positions for post-processing

Corrected 9055 positions

Failed to correct 36 positions
 Chose 390 code solutions over the carrier solutions
 390 code solutions were of higher quality
 Filtered out 36 uncorrected positions
 (only "Corrected" positions selected for output)

Differential Correction Summary:

2 files processed. In these files:

17328 (99.56%) of 17404 selected positions were code corrected by post-processing
 4537 (26.07%) of 17404 selected positions were carrier corrected by post-processing
 969 (21.36%) of code positions chosen over carrier, as they were of higher quality

Estimated accuracies for 17328 corrected positions are as follows:

Range Percentage

0-5cm	-
5-15cm	11.47%
15-30cm	7.30%
30-50cm	37.89%
0.5-1m	26.78%
1-2m	12.93%
2-5m	3.27%
>5m	0.36%

-
- All points Feat_Name="Pond point"

Points describe Blow-Me-Down Pond. Points were converted (via XTools v.11.1 feature-to-point tool) from polygon digitized using ESRI ArcGIS Online "World Imagery" 20150501 - J. Farrell

-
- All points Feat_Name="Pond point"

Points describe known wetland area not collected via field gps. Points were converted (via XTools v.11.1 feature-to-point tool) from polygon digitized using ESRI ArcGIS Online "World Imagery" 20150325 - J. Farrell

[Hide Lineage ▲](#)

Distribution ►

DISTRIBUTION FORMAT

* NAME File Geodatabase Feature Class

TRANSFER OPTIONS

* TRANSFER SIZE 0.008

[Hide Distribution ▲](#)

Fields ►

DETAILS FOR OBJECT [T20140407_SAGA_wetland_points ►](#)

* TYPE Feature Class

* ROW COUNT 293

FIELD OBJECTID ►

* ALIAS OBJECTID

* DATA TYPE OID

* WIDTH 4

* PRECISION 0

* SCALE 0

* FIELD DESCRIPTION

Internal feature number.

* DESCRIPTION SOURCE

Esri

* DESCRIPTION OF VALUES

Sequential unique whole numbers that are automatically generated.

Hide Field OBJECTID ▲

FIELD Shape ►

* ALIAS Shape

* DATA TYPE Geometry

* WIDTH 0

* PRECISION 0

* SCALE 0

* FIELD DESCRIPTION

Feature geometry.

* DESCRIPTION SOURCE

Esri

* DESCRIPTION OF VALUES

Coordinates defining the features.

Hide Field Shape ▲

FIELD Comment ►

* ALIAS Comment

* DATA TYPE String

* WIDTH 32

* PRECISION 0

* SCALE 0

Hide Field Comment ▲

FIELD Max_PDOP ►

* ALIAS Max_PDOP

* DATA TYPE Single

* WIDTH 4

* PRECISION 0

* SCALE 0

Hide Field Max_PDOP ▲

FIELD Corr_Type ►

- * ALIAS Corr_Type
- * DATA TYPE String
- * WIDTH 36
- * PRECISION 0
- * SCALE 0

Hide Field Corr_Type ▲

FIELD Rcvr_Type ►

- * ALIAS Rcvr_Type
- * DATA TYPE String
- * WIDTH 36
- * PRECISION 0
- * SCALE 0

Hide Field Rcvr_Type ▲

FIELD GPS_Date ►

- * ALIAS GPS_Date
- * DATA TYPE Date
- * WIDTH 8
- * PRECISION 0
- * SCALE 0

Hide Field GPS_Date ▲

FIELD GPS_Time ►

- * ALIAS GPS_Time
- * DATA TYPE String
- * WIDTH 10
- * PRECISION 0
- * SCALE 0

Hide Field GPS_Time ▲

FIELD Feat_Name ►

- * ALIAS Feat_Name
- * DATA TYPE String
- * WIDTH 20
- * PRECISION 0
- * SCALE 0

Hide Field Feat_Name ▲

FIELD Datafile ►

- * ALIAS Datafile
- * DATA TYPE String
- * WIDTH 20
- * PRECISION 0

* SCALE 0

Hide Field Datafile ▲

FIELD Unfilt_Pos ►

* ALIAS Unfilt_Pos
* DATA TYPE Integer
* WIDTH 4
* PRECISION 0
* SCALE 0

Hide Field Unfilt_Pos ▲

FIELD Filt_Pos ►

* ALIAS Filt_Pos
* DATA TYPE Integer
* WIDTH 4
* PRECISION 0
* SCALE 0

Hide Field Filt_Pos ▲

FIELD Data_Dicti ►

* ALIAS Data_Dicti
* DATA TYPE String
* WIDTH 20
* PRECISION 0
* SCALE 0

Hide Field Data_Dicti ▲

FIELD Horz_Prec ►

* ALIAS Horz_Prec
* DATA TYPE Double
* WIDTH 8
* PRECISION 0
* SCALE 0

Hide Field Horz_Prec ▲

FIELD Northing ►

* ALIAS Northing
* DATA TYPE Double
* WIDTH 8
* PRECISION 0
* SCALE 0

Hide Field Northing ▲

FIELD Easting ►

* ALIAS Easting
* DATA TYPE Double
* WIDTH 8

* PRECISION 0
 * SCALE 0

[Hide Field Easting ▲](#)

FIELD Point_ID ►

* ALIAS Point_ID
 * DATA TYPE Integer
 * WIDTH 4
 * PRECISION 0
 * SCALE 0

[Hide Field Point_ID ▲](#)

FIELD Comment2 ►

* ALIAS Comment2
 * DATA TYPE String
 * WIDTH 200
 * PRECISION 0
 * SCALE 0

[Hide Field Comment2 ▲](#)

[Hide Details for object T20140407_SAGA_wetland_points ▲](#)

[Hide Fields ▲](#)

Metadata Details ►

* METADATA LANGUAGE English (UNITED STATES)
 METADATA CHARACTER SET utf8 - 8 bit UCS Transfer Format

SCOPE OF THE DATA DESCRIBED BY THE METADATA * dataset
 SCOPE NAME * dataset

* LAST UPDATE 2016-04-08

ARCGIS METADATA PROPERTIES

METADATA FORMAT ArcGIS 1.0
 METADATA STYLE XTools Pro Metadata
 STANDARD OR PROFILE USED TO EDIT METADATA FGDC

CREATED IN ARCGIS FOR THE ITEM 2015-05-02 09:25:00
 LAST MODIFIED IN ARCGIS FOR THE ITEM 2016-04-08 14:55:12

AUTOMATIC UPDATES

HAVE BEEN PERFORMED Yes
 LAST UPDATE 2016-04-08 14:55:12

[Hide Metadata Details ▲](#)

Metadata Contacts ►

METADATA CONTACT

INDIVIDUAL'S NAME Peter Sharpe
ORGANIZATION'S NAME National Park Service, NERO
CONTACT'S POSITION Hydrologist
CONTACT'S ROLE principal investigator

CONTACT INFORMATION ►

PHONE
VOICE 2678581001

ADDRESS
TYPE
E-MAIL ADDRESS peter_sharpe@nps.gov

Hide Contact information ▲

METADATA CONTACT

INDIVIDUAL'S NAME James Farrell
ORGANIZATION'S NAME DOI National Park Service, Northeast Region Natural Resources and Science
CONTACT'S POSITION GIS Specialist
CONTACT'S ROLE point of contact

Hide Metadata Contacts ▲

Thumbnail and Enclosures ►

THUMBNAIL
THUMBNAIL TYPE JPG

Hide Thumbnail and Enclosures ▲

FGDC Metadata (read-only) ▼

Saint-Gaudens National Historic Site 2014 Wetland Study Polygon Feature

File Geodatabase Feature Class



Tags

Wetlands, NPS, National Park Service, Saint-Gaudens, NH, New Hampshire

Summary

The purpose was to provide detailed wetland/aquatic resource identification and boundary information for the area of Blow-Me-Down-Creek in the immediate vicinity (upstream/downstream) of Blow-Me-Down-Dam.

Description

The objective of this investigation was to respond to a request for regional assistance for a comprehensive delineation of wetland habitats subject to jurisdiction under Section 404 of the Clean Water Act and all wetlands subject to National Park Service (NPS) procedures for implementing Director's Order #77-1: Wetland Protection within the floodplain of Blow-Me-Down-Creek upstream and within the immediate area surrounding Blow-Me-Down-Dam on Saint Gaudens National Historic Site (SAGA) lands. This work utilized the U.S Army Corps of Engineers (USACE) Interim Regional Supplement to the Corps of Engineers Wetland Delineation Manual: Northeast and Northcentral Region (January 2012) as the primary methodology for making wetland determinations in the field. A total of 3 palustrine wetlands encompassing 7.23 acres of land were identified and delineated from 22 -25 September 2014 within the study area (Fig. 1). Observed wetland habitats were primarily a combination of palustrine, emergent, persistent, habitats (PEM1) and scrub-shrub (PSS) habitats that exhibited extensive soil saturation at the time of the investigation. All of the identified and mapped palustrine wetland systems meet both the U.S. Army Corps of Engineers criteria and the Cowardin et al. (1979) definitions of wetland habitat. No new riverine wetland systems were identified and mapped over the course of this investigation.

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Use limitations

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Extent

West -72.378311 **East** -72.374509
North 43.500046 **South** 43.496462

Scale Range

Maximum (zoomed in) 1:5,000
Minimum (zoomed out) 1:150,000,000

ArcGIS Metadata ►**Topics and Keywords ►**

* CONTENT TYPE Downloadable Data
 EXPORT TO FGDC CSDGM XML FORMAT AS RESOURCE DESCRIPTION No

THEME KEYWORDS Wetland

Hide Topics and Keywords ▲

Citation ►

TITLE Saint-Gaudens National Historic Site 2014 Wetland Study Polygon Feature
 CREATION DATE 2015-04-26 00:00:00

PRESENTATION FORMATS * digital map

Hide Citation ▲

Citation Contacts ►

RESPONSIBLE PARTY

INDIVIDUAL'S NAME Peter Sharpe
 ORGANIZATION'S NAME National Park Service, NERO
 CONTACT'S POSITION Hydrologist
 CONTACT'S ROLE principal investigator

CONTACT INFORMATION ►

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 ORGANIZATION'S NAME DOI National Park Service, Northeast Region Natural Resources and Science
 CONTACT'S POSITION GIS Specialist
 CONTACT'S ROLE point of contact

Hide Citation Contacts ▲

Resource Details ►

DATASET LANGUAGES * English (UNITED STATES)
DATASET CHARACTER SET utf8 - 8 bit UCS Transfer Format

SPATIAL REPRESENTATION TYPE * vector

SUPPLEMENTAL INFORMATION

Pink wetland delineation flags were marked with a unique alpha numeric code and hung at regular intervals around the perimeter of each identified wetland habitat and located using a sub-meter accurate GPS system. Representative wetland test pits were also similarly flagged and located. GPS-based coordinates were collected for wetland test pit and boundary flags between 23-24 September 2014, using a Trimble GeoXT receiver with an external Hurricane antenna in datum NAD83, UTM – zone 19N, meter coordinates and TerraSync software. A minimum of 4 satellite vehicles were tracked. Where possible a maximum Position Dilution of Precision (PDOP) of 6 was maintained for each set and a minimum of 50 positions were taken at each point feature. The data were post-processed and differentially corrected using Pathfinder Office 5.30 and base data downloaded from the SPRINGFIELD VT (VTSP), VERMONT (ITRF00 (1997) CORS station (for more info see <http://geodetic.vermont.gov/> and <http://www.ngs.noaa.gov/CORS/Sites/vtsp.html>). The data were then exported to shapefile format. Following this procedure we have estimated accuracies in the X and Y direction of 0 to 5 meters, using the above standards while selective availability (SA) is set to zero. No tests were done to confirm the X/Y direction accuracy during this investigation.

Polygons were created using gps points (collected in the field by Pete Sharpe 2014) as vertices for the following shapes (field w_name):

- saga_w_1
- saga_w_2a
- saga_w_2b
- saga_w_3a
- saga_w_3b

Field w_name="Blow-me-down Pond" was digitized in ArcMap using ESRI ArcGIS Online "World Imagery" 20150501 - J. Farrell

Field w_name="saga_w_2c" was digitized in ArcMap using ESRI ArcGIS Online "World Imagery" 20150325 - J. Farrell

* **PROCESSING ENVIRONMENT** Microsoft Windows 7 Version 6.1 (Build 7601) Service Pack 1; Esri ArcGIS 10.3.0.4322

CREDITS

National Park Service, Natural Resources and Science

ARCGIS ITEM PROPERTIES

* **SIZE** 0.006
 * **NAME** T20150325_SAGA_wetland_poly
 * **LOCATION** file:///\\INPNEPH103832\C\$\Users\jefarrell\Desktop\Projects\Current Projects\SAGA\sharpe_wetlands\20150503_SAGA_wetlands.gdb
 * **ACCESS PROTOCOL** Local Area Network

[Hide Resource Details ▲](#)

Extents ►

EXTENT

GEOGRAPHIC EXTENT

BOUNDING RECTANGLE

EXTENT TYPE Extent used for searching

* WEST LONGITUDE -72.378311

* EAST LONGITUDE -72.374509

* NORTH LATITUDE 43.500046

* SOUTH LATITUDE 43.496462

* EXTENT CONTAINS THE RESOURCE Yes

EXTENT IN THE ITEM'S COORDINATE SYSTEM

* WEST LONGITUDE 711964.780400

* EAST LONGITUDE 712260.156200

* SOUTH LATITUDE 4819296.839500

* NORTH LATITUDE 4819686.011400

* EXTENT CONTAINS THE RESOURCE Yes

[Hide Extents ▲](#)**Resource Maintenance ►**

RESOURCE MAINTENANCE

UPDATE FREQUENCY not planned

MAINTENANCE CONTACT

INDIVIDUAL'S NAME Peter Sharpe

ORGANIZATION'S NAME National Park Service, NERO

CONTACT'S POSITION Hydrologist

CONTACT'S ROLE principal investigator

CONTACT INFORMATION ►

PHONE

VOICE 2678581001

ADDRESS

E-MAIL ADDRESS peter_sharpe@nps.gov

[Hide Contact information ▲](#)[Hide Resource Maintenance ▲](#)**Resource Constraints ►**

CONSTRAINTS

LIMITATIONS OF USE

No restrictions on accessing the data - boundary data collected by Peter J. Sharpe - National Park Service.

[Hide Resource Constraints ▲](#)**Spatial Reference ►**

ARCGIS COORDINATE SYSTEM

* TYPE Projected

* GEOGRAPHIC COORDINATE REFERENCE GCS_North_American_1983

* PROJECTION NAD_1983_UTM_Zone_18N

* COORDINATE REFERENCE DETAILS

PROJECTED COORDINATE SYSTEM

WELL-KNOWN IDENTIFIER 26918
 X ORIGIN -5120900
 Y ORIGIN -9998100
 XY SCALE 10000
 Z ORIGIN -100000
 Z SCALE 10000
 M ORIGIN -100000
 M SCALE 10000
 XY TOLERANCE 0.001
 Z TOLERANCE 0.001
 M TOLERANCE 0.001
 HIGH PRECISION true
 LATEST WELL-KNOWN IDENTIFIER 26918
 WELL-KNOWN TEXT PROJCS["NAD_1983_UTM_Zone_18N",GEOGCS
 ["GCS_North_American_1983",DATUM["D_North_American_1983",SPHEROID
 ["GRS_1980",6378137.0,298.257222101]],PRIMEM["Greenwich",0.0],UNIT
 ["Degree",0.0174532925199433]],PROJECTION["Transverse_Mercator"],PARAMETER
 ["False_Easting",500000.0],PARAMETER["False_Northing",0.0],PARAMETER
 ["Central_Meridian",-75.0],PARAMETER["Scale_Factor",0.9996],PARAMETER
 ["Latitude_Of_Origin",0.0],UNIT["Meter",1.0],AUTHORITY["EPSG",26918]]

REFERENCE SYSTEM IDENTIFIER

* VALUE 26918
 * CODESPACE EPSG
 * VERSION 8.2.6

[Hide Spatial Reference ▲](#)

Spatial Data Properties ►**VECTOR ►**

* LEVEL OF TOPOLOGY FOR THIS DATASET geometry only

GEOMETRIC OBJECTS

FEATURE CLASS NAME T20150325_SAGA_wetland_poly
 * OBJECT TYPE composite
 * OBJECT COUNT 7

[Hide Vector ▲](#)

ARCGIS FEATURE CLASS PROPERTIES ►

FEATURE CLASS NAME T20150325_SAGA_wetland_poly
 * FEATURE TYPE Simple
 * GEOMETRY TYPE Polygon
 * HAS TOPOLOGY FALSE
 * FEATURE COUNT 7
 * SPATIAL INDEX TRUE
 * LINEAR REFERENCING FALSE

[Hide ArcGIS Feature Class Properties ▲](#)

[Hide Spatial Data Properties ▲](#)

Lineage ►

LINEAGE STATEMENT

Polygons were created using gps points (collected in the field by Pete Sharpe 2014) as vertices for the following shapes (field w_name):

- saga_w_1
- saga_w_2a
- saga_w_2b
- saga_w_3a
- saga_w_3b

Below are details related to the collection of gps points from which these five polygon shapes were derived:

Original points collected in the field by Pete Sharpe 2014 and postprocessed 20140924

Postprocess details:

-----Base Data Details:-----

Using reference position from base provider:

Name: CORS, SPRINGFIELD VT (VTSP), VERMONT (ITRF00 (1997)-Derived from IGS08 (NEW))

Position: 43°16'53.27353"N, 72°28'39.24370"W, 155.34 m

Source: D:\Roland\SAGA\Base\CORS, SPRINGFIELD VT (VTSP), VERMONT (ITRF00 (1997)-Derived from IGS08 (NEW))

vtsp26614165.zip

Local time: 9/23/2014 11:59:45 AM to 9/23/2014 4:59:45 PM

Position: 43°16'53.24116"N, 72°28'39.23842"W, 156.53 m, 0.00 m Antenna height

Distance from base provider: 1.01m

vtsp26714126.zip

Local time: 9/24/2014 7:59:45 AM to 9/24/2014 1:59:45 PM

Position: 43°16'53.24116"N, 72°28'39.23842"W, 156.53 m, 0.00 m Antenna height

Distance from base provider: 1.01m

-----Coverage Details:-----

Rover file: SAGA-WETLANDS2.SSF

Local time: 9/24/2014 8:43:15 AM to 9/24/2014 1:13:35 PM

100% total coverage

100% coverage by vtsp26714126.zip

Rover file: SAGAWETLANDS1.SSF

Local time: 9/23/2014 12:42:00 PM to 9/23/2014 4:07:39 PM

100% total coverage

100% coverage by vtsp26614165.zip

Differentially correcting...

Differential correction settings:

Use smart automatic filtering: On

Re-correct real-time positions: On

Output positions: Corrected only

Processing rover file, SAGA-WETLANDS2.SSF ...

...to output file, D:\Roland\SAGA\SAGA-WETLANDS2.cor

Carrier processing...

Selected 8313 positions for post-processing

Corrected 2812 positions

Failed to correct 5501 positions

362 of these were due to insufficient satellites for position fix

4820 of these were due to insufficient carrier segment length
 Code processing...
 Selected 8313 positions for post-processing
 Corrected 8273 positions
 Failed to correct 40 positions
 Chose 579 code solutions over the carrier solutions
 579 code solutions were of higher quality
 Filtered out 41 uncorrected positions
 (only "Corrected" positions selected for output)

 Processing rover file, SAGAWETLANDS1.SSF ...
 ...to output file, D:\Roland\SAGA\SAGAWETLANDS1.cor
 Carrier processing...
 Selected 9091 positions for post-processing
 Corrected 1725 positions
 Failed to correct 7366 positions
 299 of these were due to insufficient satellites for position fix
 6485 of these were due to insufficient carrier segment length
 Code processing...
 Selected 9091 positions for post-processing
 Corrected 9055 positions
 Failed to correct 36 positions
 Chose 390 code solutions over the carrier solutions
 390 code solutions were of higher quality
 Filtered out 36 uncorrected positions
 (only "Corrected" positions selected for output)

 Differential Correction Summary:

2 files processed. In these files:
 17328 (99.56%) of 17404 selected positions were code corrected by post-processing
 4537 (26.07%) of 17404 selected positions were carrier corrected by post-processing
 969 (21.36%) of code positions chosen over carrier, as they were of higher quality

Estimated accuracies for 17328 corrected positions are as follows:

Range Percentage

 0-5cm -
 5-15cm 11.47%
 15-30cm 7.30%
 30-50cm 37.89%
 0.5-1m 26.78%
 1-2m 12.93%
 2-5m 3.27%
 >5m 0.36%

 Field w_name="saga_w_2c" was digitized in ArcMap using ESRI ArcGIS Online "World Imagery" 20150325 - J. Farrell

Field w_name="Blow-me-down Pond" was digitized in ArcMap using ESRI ArcGIS Online "World Imagery" 20150501 - J. Farrell

[Hide Lineage ▲](#)

Distribution ►

DISTRIBUTION FORMAT

* NAME File Geodatabase Feature Class

TRANSFER OPTIONS

* TRANSFER SIZE 0.006

[Hide Distribution ▲](#)

Fields ►

DETAILS FOR OBJECT T20150325_SAGA_wetland_poly ►

* TYPE Feature Class

* ROW COUNT 7

FIELD OBJECTID ►

* ALIAS OBJECTID

* DATA TYPE OID

* WIDTH 4

* PRECISION 0

* SCALE 0

* FIELD DESCRIPTION
Internal feature number.

* DESCRIPTION SOURCE
Esri

* DESCRIPTION OF VALUES
Sequential unique whole numbers that are automatically generated.

[Hide Field OBJECTID ▲](#)

FIELD Shape ►

* ALIAS Shape

* DATA TYPE Geometry

* WIDTH 0

* PRECISION 0

* SCALE 0

* FIELD DESCRIPTION
Feature geometry.

* DESCRIPTION SOURCE
Esri

* DESCRIPTION OF VALUES
Coordinates defining the features.

Hide Field Shape ▲

FIELD Id ►

- * ALIAS Id
- * DATA TYPE Integer
- * WIDTH 4
- * PRECISION 0
- * SCALE 0

Hide Field Id ▲

FIELD w_name ►

- * ALIAS w_name
- * DATA TYPE String
- * WIDTH 50
- * PRECISION 0
- * SCALE 0

Hide Field w_name ▲

FIELD Comments ►

- * ALIAS Comments
- * DATA TYPE String
- * WIDTH 150
- * PRECISION 0
- * SCALE 0

Hide Field Comments ▲

FIELD Perimeter ►

- * ALIAS Perimeter
- * DATA TYPE Double
- * WIDTH 8
- * PRECISION 0
- * SCALE 0

Hide Field Perimeter ▲

FIELD Area ►

- * ALIAS Area
- * DATA TYPE Double
- * WIDTH 8
- * PRECISION 0
- * SCALE 0

Hide Field Area ▲

FIELD Acres ►

- * ALIAS Acres
- * DATA TYPE Double
- * WIDTH 8

- * PRECISION 0
- * SCALE 0

[Hide Field Acres ▲](#)

FIELD Hectares ►

- * ALIAS Hectares
- * DATA TYPE Double
- * WIDTH 8
- * PRECISION 0
- * SCALE 0

[Hide Field Hectares ▲](#)

FIELD Shape_Length ►

- * ALIAS Shape_Length
- * DATA TYPE Double
- * WIDTH 8
- * PRECISION 0
- * SCALE 0
- * FIELD DESCRIPTION
Length of feature in internal units.

- * DESCRIPTION SOURCE
Esri

- * DESCRIPTION OF VALUES
Positive real numbers that are automatically generated.

[Hide Field Shape_Length ▲](#)

FIELD Shape_Area ►

- * ALIAS Shape_Area
- * DATA TYPE Double
- * WIDTH 8
- * PRECISION 0
- * SCALE 0
- * FIELD DESCRIPTION
Area of feature in internal units squared.

- * DESCRIPTION SOURCE
Esri

- * DESCRIPTION OF VALUES
Positive real numbers that are automatically generated.

[Hide Field Shape_Area ▲](#)

[Hide Details for object T20150325_SAGA_wetland_poly ▲](#)

[Hide Fields ▲](#)

Metadata Details ►

* METADATA LANGUAGE English (UNITED STATES)
 METADATA CHARACTER SET utf8 - 8 bit UCS Transfer Format

SCOPE OF THE DATA DESCRIBED BY THE METADATA * dataset
 SCOPE NAME * dataset

* LAST UPDATE 2016-04-08

ARCGIS METADATA PROPERTIES

METADATA FORMAT ArcGIS 1.0
 METADATA STYLE XTools Pro Metadata
 STANDARD OR PROFILE USED TO EDIT METADATA FGDC

CREATED IN ARCGIS FOR THE ITEM 2015-05-02 08:43:58
 LAST MODIFIED IN ARCGIS FOR THE ITEM 2016-04-08 14:56:05

AUTOMATIC UPDATES

HAVE BEEN PERFORMED Yes
 LAST UPDATE 2016-04-08 14:56:05

ITEM LOCATION HISTORY

ITEM COPIED OR MOVED 2015-05-02 08:43:58
 FROM C:\Users\jefarrell\Desktop\Current
 Projects\SAGA\20150325_wetland_poly\20150325_saga_wetland_poly
 TO \\INPNEPH103237\C\$\Users\jefarrell\Desktop\Current
 Projects\SAGA\sharpe_wetlands\20150325_saga_wetland_poly

[Hide Metadata Details ▲](#)

Metadata Contacts ►

METADATA CONTACT

INDIVIDUAL'S NAME Peter Sharpe
 ORGANIZATION'S NAME National Park Service, NERO
 CONTACT'S POSITION Hydrologist
 CONTACT'S ROLE principal investigator

CONTACT INFORMATION ►

PHONE
 VOICE 2678581001

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 E-MAIL ADDRESS peter_sharpe@nps.gov

[Hide Contact information ▲](#)

METADATA CONTACT

INDIVIDUAL'S NAME James Farrell
 ORGANIZATION'S NAME DOI National Park Service, Northeast Region Natural Resources and Science
 CONTACT'S POSITION GIS Specialist
 CONTACT'S ROLE point of contact

Hide Metadata Contacts ▲

Thumbnail and Enclosures ►

THUMBNAIL

THUMBNAIL TYPE JPG

Hide Thumbnail and Enclosures ▲

FGDC Metadata (read-only) ▼

Saint-Gaudens National Historic Site 2014 Wetland Study Area Boundary

File Geodatabase Feature Class



Tags

Wetlands, NPS, National Park Service, Saint-Gaudens, NH, New Hampshire

Summary

The purpose was to provide detailed wetland/aquatic resource identification and boundary information for the area of Blow-Me-Down-Creek in the immediate vicinity (upstream/downstream) of Blow-Me-Down-Dam.

Description

The objective of this investigation was to respond to a request for regional assistance for a comprehensive delineation of wetland habitats subject to jurisdiction under Section 404 of the Clean Water Act and all wetlands subject to National Park Service (NPS) procedures for implementing Director's Order #77-1: Wetland Protection within the floodplain of Blow-Me-Down-Creek upstream and within the immediate area surrounding Blow-Me-Down-Dam on Saint Gaudens National Historic Site (SAGA) lands. This work utilized the U.S Army Corps of Engineers (USACE) Interim Regional Supplement to the Corps of Engineers Wetland Delineation Manual: Northeast and Northcentral Region (January 2012) as the primary methodology for making wetland determinations in the field. A total of 3 palustrine wetlands encompassing 7.23 acres of land were identified and delineated from 22 -25 September 2014 within the study area (Fig. 1). Observed wetland habitats were primarily a combination of palustrine, emergent, persistent, habitats (PEM1) and scrub-shrub (PSS) habitats that exhibited extensive soil saturation at the time of the investigation. All of the identified and mapped palustrine wetland systems meet both the U.S. Army Corps of Engineers criteria and the Cowardin et al. (1979) definitions of wetland habitat. No new riverine wetland systems were identified and mapped over the course of this investigation.

Credits

National Park Service, Natural Resources and Science

Use limitations

No restrictions on accessing the data - boundary data collected by Peter J. Sharpe - National Park Service.

Extent

West -72.378541 **East** -72.374143
North 43.500388 **South** 43.496498

Scale Range

Maximum (zoomed in) 1:5,000
Minimum (zoomed out) 1:150,000,000

ArcGIS Metadata ►**Topics and Keywords ►**

* CONTENT TYPE Downloadable Data

THEME KEYWORDS Wetland

Hide Topics and Keywords ▲

Citation ►

TITLE Saint-Gaudens National Historic Site 2014 Wetland Study Area Boundary
 CREATION DATE 2015-04-26 00:00:00

PRESENTATION FORMATS * digital map

Hide Citation ▲

Citation Contacts ►

RESPONSIBLE PARTY

INDIVIDUAL'S NAME Peter Sharpe
 ORGANIZATION'S NAME National Park Service, NERO
 CONTACT'S POSITION Hydrologist
 CONTACT'S ROLE principal investigator

CONTACT INFORMATION ►

PHONE
 VOICE 2678581001

ADDRESS

E-MAIL ADDRESS peter_sharpe@nps.gov

Hide Contact information ▲

RESPONSIBLE PARTY

INDIVIDUAL'S NAME James Farrell
 ORGANIZATION'S NAME DOI National Park Service, Northeast Region Natural Resources and Science
 CONTACT'S POSITION GIS Specialist
 CONTACT'S ROLE point of contact

Hide Citation Contacts ▲

Resource Details ►

DATASET LANGUAGES * English (UNITED STATES)
 DATASET CHARACTER SET utf8 - 8 bit UCS Transfer Format

SPATIAL REPRESENTATION TYPE * vector

SUPPLEMENTAL INFORMATION

The Study Area Boundary describes the general area of investigation and subsequent wetland delineation:

Pink wetland delineation flags were marked with a unique alpha numeric code and hung at regular intervals around the perimeter of each identified wetland habitat and located using a sub-meter accurate GPS system. Representative wetland test pits were also similarly flagged and located. GPS-based coordinates were collected for wetland test pit and boundary flags between 23-24 September 2014, using a Trimble GeoXT receiver with an external Hurricane antenna in datum NAD83, UTM – zone 19N, meter coordinates and TerraSync software. A minimum of 4 satellite vehicles were tracked. Where possible a maximum Position Dilution of Precision (PDOP) of 6 was maintained for each set and a minimum of 50 positions were taken at each point feature. The data were post-processed and differentially corrected using Pathfinder Office 5.30 and base data downloaded from the SPRINGFIELD VT (VTSP), VERMONT (ITRF00 (1997) CORS station (for more info see <http://geodetic.vermont.gov/> and <http://www.ngs.noaa.gov/CORS/Sites/vtsp.html>). The data were then exported to shapefile format. Following this procedure we have estimated accuracies in the X and Y direction of 0 to 5 meters, using the above standards while selective availability (SA) is set to zero. No tests were done to confirm the X/Y direction accuracy during this investigation.

* PROCESSING ENVIRONMENT Microsoft Windows 7 Version 6.1 (Build 7601) Service Pack 1; Esri ArcGIS 10.3.0.4322

CREDITS

National Park Service, Natural Resources and Science

ARCGIS ITEM PROPERTIES

* SIZE 0.001
 * NAME T20150502_SAGA_wetland_study_area
 * LOCATION file:///\\INPNEPH103832\C\$\Users\jefarrell\Desktop\Projects\Current Projects\SAGA\sharpe_wetlands\20150503_SAGA_wetlands.gdb
 * ACCESS PROTOCOL Local Area Network

[Hide Resource Details ▲](#)

Extents ►

EXTENT

GEOGRAPHIC EXTENT

BOUNDING RECTANGLE

EXTENT TYPE Extent used for searching

* WEST LONGITUDE -72.378541

* EAST LONGITUDE -72.374143

* NORTH LATITUDE 43.500388

* SOUTH LATITUDE 43.496498

* EXTENT CONTAINS THE RESOURCE Yes

EXTENT IN THE ITEM'S COORDINATE SYSTEM

* WEST LONGITUDE 711945.967900

* EAST LONGITUDE 712288.615200

* SOUTH LATITUDE 4819301.750000

* NORTH LATITUDE 4819723.402400

* EXTENT CONTAINS THE RESOURCE Yes

[Hide Extents ▲](#)

Resource Maintenance ►

RESOURCE MAINTENANCE

UPDATE FREQUENCY not planned

MAINTENANCE CONTACT

INDIVIDUAL'S NAME Peter Sharpe
ORGANIZATION'S NAME National Park Service, NERO
CONTACT'S POSITION Hydrologist
CONTACT'S ROLE principal investigator

CONTACT INFORMATION ►

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[Hide Contact information ▲](#)[Hide Resource Maintenance ▲](#)

Resource Constraints ►

CONSTRAINTS

LIMITATIONS OF USE

No restrictions on accessing the data - boundary data collected by Peter J. Sharpe - National Park Service.

[Hide Resource Constraints ▲](#)

Spatial Reference ►

ARCGIS COORDINATE SYSTEM

- * TYPE Projected
- * GEOGRAPHIC COORDINATE REFERENCE GCS_North_American_1983
- * PROJECTION NAD_1983_UTM_Zone_18N
- * COORDINATE REFERENCE DETAILS

PROJECTED COORDINATE SYSTEM

WELL-KNOWN IDENTIFIER 26918
 X ORIGIN -5120900
 Y ORIGIN -9998100
 XY SCALE 10000
 Z ORIGIN -100000
 Z SCALE 10000
 M ORIGIN -100000
 M SCALE 10000
 XY TOLERANCE 0.001
 Z TOLERANCE 0.001
 M TOLERANCE 0.001
 HIGH PRECISION true
 LATEST WELL-KNOWN IDENTIFIER 26918

WELL-KNOWN TEXT PROJCS["NAD_1983_UTM_Zone_18N",GEOGCS
 ["GCS_North_American_1983",DATUM["D_North_American_1983",SPHEROID
 ["GRS_1980",6378137.0,298.257222101]],PRIMEM["Greenwich",0.0],UNIT
 ["Degree",0.0174532925199433]],PROJECTION["Transverse_Mercator"],PARAMETER
 ["False_Easting",500000.0],PARAMETER["False_Northing",0.0],PARAMETER
 ["Central_Meridian",-75.0],PARAMETER["Scale_Factor",0.9996],PARAMETER
 ["Latitude_Of_Origin",0.0],UNIT["Meter",1.0],AUTHORITY["EPSG",26918]]

REFERENCE SYSTEM IDENTIFIER

* VALUE 26918
 * CODESPACE EPSG
 * VERSION 8.2.6

[Hide Spatial Reference ▲](#)

Spatial Data Properties ►

VECTOR ►

* LEVEL OF TOPOLOGY FOR THIS DATASET geometry only

GEOMETRIC OBJECTS

FEATURE CLASS NAME T20150502_SAGA_wetland_study_area
 * OBJECT TYPE composite
 * OBJECT COUNT 1

[Hide Vector ▲](#)

ARCGIS FEATURE CLASS PROPERTIES ►

FEATURE CLASS NAME T20150502_SAGA_wetland_study_area
 * FEATURE TYPE Simple
 * GEOMETRY TYPE Polygon
 * HAS TOPOLOGY FALSE
 * FEATURE COUNT 1
 * SPATIAL INDEX TRUE
 * LINEAR REFERENCING FALSE

[Hide ArcGIS Feature Class Properties ▲](#)

[Hide Spatial Data Properties ▲](#)

Lineage ►

LINEAGE STATEMENT

The Study Area Boundary was digitized via ArcMap using ESRI ArcGIS Online "World Imagery" (20150426 - J. Farrell), based on hand-drawn (P. Sharpe) lines on printed Illustrator map with aerial photograph as a base. The edited hard copy map was scanned and georeferenced in ArcMap.

[Hide Lineage ▲](#)

Distribution ►

DISTRIBUTION FORMAT

* NAME File Geodatabase Feature Class

TRANSFER OPTIONS

* TRANSFER SIZE 0.001

Hide Distribution ▲

Fields ►

DETAILS FOR OBJECT T20150502_SAGA_wetland_study_area ►

* TYPE Feature Class

* ROW COUNT 1

FIELD OBJECTID ►

* ALIAS OBJECTID

* DATA TYPE OID

* WIDTH 4

* PRECISION 0

* SCALE 0

* FIELD DESCRIPTION
Internal feature number.

* DESCRIPTION SOURCE
Esri

* DESCRIPTION OF VALUES
Sequential unique whole numbers that are automatically generated.

Hide Field OBJECTID ▲

FIELD Shape ►

* ALIAS Shape

* DATA TYPE Geometry

* WIDTH 0

* PRECISION 0

* SCALE 0

* FIELD DESCRIPTION
Feature geometry.

* DESCRIPTION SOURCE
Esri

* DESCRIPTION OF VALUES
Coordinates defining the features.

Hide Field Shape ▲

FIELD Id ►

* ALIAS Id

* DATA TYPE Integer

* WIDTH 4

* PRECISION 0

* SCALE 0

[Hide Field Id ▲](#)**FIELD Comment ►**

- * ALIAS Comment
- * DATA TYPE String
- * WIDTH 200
- * PRECISION 0
- * SCALE 0

[Hide Field Comment ▲](#)**FIELD Shape_Length ►**

- * ALIAS Shape_Length
- * DATA TYPE Double
- * WIDTH 8
- * PRECISION 0
- * SCALE 0
- * FIELD DESCRIPTION
Length of feature in internal units.
- * DESCRIPTION SOURCE
Esri
- * DESCRIPTION OF VALUES
Positive real numbers that are automatically generated.

[Hide Field Shape_Length ▲](#)**FIELD Shape_Area ►**

- * ALIAS Shape_Area
- * DATA TYPE Double
- * WIDTH 8
- * PRECISION 0
- * SCALE 0
- * FIELD DESCRIPTION
Area of feature in internal units squared.
- * DESCRIPTION SOURCE
Esri
- * DESCRIPTION OF VALUES
Positive real numbers that are automatically generated.

[Hide Field Shape_Area ▲](#)[Hide Details for object T20150502_SAGA_wetland_study_area ▲](#)[Hide Fields ▲](#)**Metadata Details ►**

* METADATA LANGUAGE English (UNITED STATES)
 METADATA CHARACTER SET utf8 - 8 bit UCS Transfer Format

SCOPE OF THE DATA DESCRIBED BY THE METADATA * dataset
 SCOPE NAME * dataset

* LAST UPDATE 2016-04-08

ARCGIS METADATA PROPERTIES

METADATA FORMAT ArcGIS 1.0
 METADATA STYLE XTools Pro Metadata
 STANDARD OR PROFILE USED TO EDIT METADATA FGDC

CREATED IN ARCGIS FOR THE ITEM 2015-05-03 18:59:09
 LAST MODIFIED IN ARCGIS FOR THE ITEM 2016-04-08 14:56:35

AUTOMATIC UPDATES

HAVE BEEN PERFORMED Yes
 LAST UPDATE 2016-04-08 14:56:35

[Hide Metadata Details ▲](#)

Metadata Contacts ►

METADATA CONTACT

INDIVIDUAL'S NAME Peter Sharpe
 ORGANIZATION'S NAME National Park Service, NERO
 CONTACT'S POSITION Hydrologist
 CONTACT'S ROLE principal investigator

CONTACT INFORMATION ►

PHONE
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E-MAIL ADDRESS peter_sharpe@nps.gov

[Hide Contact information ▲](#)

METADATA CONTACT

INDIVIDUAL'S NAME James Farrell
 ORGANIZATION'S NAME DOI National Park Service, Northeast Region Natural Resources and Science
 CONTACT'S POSITION GIS Specialist
 CONTACT'S ROLE point of contact

[Hide Metadata Contacts ▲](#)

Thumbnail and Enclosures ►

THUMBNAIL

THUMBNAIL TYPE JPG

[Hide Thumbnail and Enclosures ▲](#)

FGDC Metadata (read-only) ▼