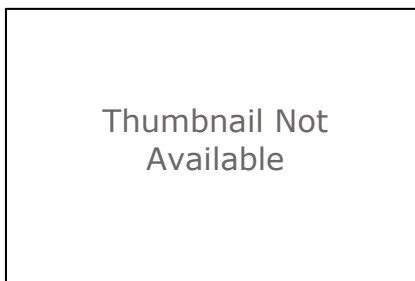


Mainstem_Channels_ca1850_70

File Geodatabase Feature Class



Tags

Historical ecology, San Francisco Bay, Mark West Creek, Laguna de Santa Rosa, Sonoma County, Santa Rosa, Sebastopol, Forestville, Windsor, Wilson Grove Formation, Sonoma Mountains, Mayacamas Mountains, Santa Rosa Plain, Russian River, Trenton Thrust Fault, Slusser Road, Oakwild Road, Guerneville Road, Steele Ranch Road, Ballard Lake, San Francisco and North Pacific Railroad, Windsor Creek, Sonoma County Water Agency, SCWA, Laguna de Santa Rosa Foundation, LSRF, creek, channel, channel alignment, wetland, tributary, marsh, alluvial fan, historical condition, sediment, flood, habitat, pre Euro-American

Summary

Geospatial data were developed to reconstruct the historical (ca. 1850-70) channel alignment of lower Laguna de Santa Rosa, Mark West Creek, and surrounding tributaries, and to document major changes in channel alignment over time. The data is intended to support the development of successful, integrated strategies for stream restoration, flood protection, sediment management, and other watershed concerns. The study area boundary encompasses just under three square miles of unincorporated Sonoma County located west of Santa Rosa, north of Sebastopol, and east of Forestville.

Description

This geodatabase contains six feature classes representing 1) a reconstruction of the historical (ca. 1850-70) channel alignment of lower Laguna de Santa Rosa and Mark West Creek, 2) reconstructions of the ca. 1900-20, ca. 1930-46, and 2012 channel alignments of lower Laguna de Santa Rosa and Mark West Creek, and 3) reconstructions of the historical and modern alignments of surrounding tributaries. This dataset integrates many sources of data depicting changes in channel alignment over time within the study area.

Extensive supporting information, including research methods, examples of key sources, and bibliographic references can be found in the accompanying report: (Baumgarten S, EE Beller, RM Grossinger, CS Striplen, H Brown, S Dusterhoff, M Salomon, RA Askevold. 2014. Historical Changes in Channel Alignment along Lower Laguna de Santa Rosa and Mark West Creek. SFEI Publication #715, San Francisco Estuary Institute, Richmond, CA.). The project report and GIS data are available at the project website: <http://www.sfei.org/MarkWestHE>

A geographic information system was used to collect, catalog, and synthesize the spatial components of the study area. Historical maps and aerial photography were georeferenced, allowing us to compare historical layers to each other and to contemporary aerial photography and maps. Additionally, the georeferenced maps and photos were used as a means to geographically locate information gathered from textual data.

Channels were mapped as polyline features. Wetland and habitat mapping were not conducted as part of this study. See the accompanying report (Baumgarten et al. 2014) for a detailed description of the methods used to map historical and contemporary channel alignment.

--

Attribute table fields:

Interp_Cert: coded H (high): channel definitely present; M (medium): channel probably present; or L (low): channel possibly present. NULL in Mainstem_Channels_2012 and Tributaries_Modern.

Shape_Cert: coded H (high): mapped channel expected to closely follow actual shape; M (medium): mapped channel expected to generally follow actual shape; L (low): mapped channel not necessarily representative of actual shape. NULL in Mainstem_Channels_2012 and Tributaries_Modern.

Loc_Cert: H (high): expected maximum horizontal displacement less than 50 m; M (medium): less than 150 m; L (low): less than 500 m. NULL in Mainstem_Channels_2012 and Tributaries_Modern.

Notes: Additional documentation about the channel segment.

S_Digitize: Source data used to digitize the channel segment.

S_Interp1: Interpretation Source 1 - Primary data used to interpret the mapped channel segment if other than the digitizing source.

S_Interp2: Interpretation Source 2 - Data used to support mapping of the channel segment – additional documentation/evidence other than Interpretation Source 1.

Name: [field not present in tributary feature classes] The historical and/or contemporary name of selected stream channel.

Source_Quotes: Historical textual quotes supporting the mapped channel alignment.

Notes2: [field not present in all feature classes] Additional documentation about the channel segment.

SHAPE_Length: Length of the channel segment in meters.

References:

For full bibliographic information consult the accompanying report (Baumgarten et al. 2014). Additional references cited in the geospatial data are provided below. NAIP 2010 and LagunaFoundation are citations from NCARI mapping (SFEI 2013).

Davis PR. 1887. Plan of land (formerly) belonging to the Nicholas Carriger Estate situated in Sonoma Co. California being a portion of the San Miguel Rancho. Santa Rosa, CA. Courtesy of Curtis & Associates, Inc.

Unknown. 1857. Molinos Rancho. John B.R. Cooper. Courtesy of Curtis & Associates, Inc.

USGS (U.S. Geological Survey). 1999. National elevation dataset. U.S. Geological Survey, EROS Data Center, Sioux Falls, SD.

Credits

San Francisco Estuary Institute 2014

Use limitations

As with any map or GIS layer, confidence or certainty varies geographically due to differences in source data or methods. This geodatabase provides direct information about the certainty level of

different areas and features to allow the user to intelligently assess the applicability of the data for the chosen technical question. The Interp Cert, Shape Cert, and Loc Cert fields provide information about the certainty of channel presence, shape, and location, rated as high, medium, or low. For more detail about methods refer to: -- Grossinger, RM, Striplen CJ, Askevold R, Brewster E, Beller EE. 2007. Historical landscape ecology of an urbanized California valley: wetlands and woodlands in the Santa Clara Valley. *Landscape Ecology*.:103-120. -- Technical users are strongly encouraged to read the full study report (Baumgarten et al. 2014 – available at

<http://www.sfei.org/projects/MarkWestHE>) to gain a stronger understanding of the strengths and limitations of the dataset. -- In no event shall the creators, custodians, or distributors of this information be liable for any damages arising out of its use (or the inability to use it). These data are not legal documents or of survey quality and are not intended to be used as such. Although extensive effort has been made to produce error-free and complete data, all geographic information has limitations due to the scale, resolution, date and interpretation of the original source materials. Users should consult available data documentation (metadata) for these particular data to determine limitations and the precision to which the data depict distance, direction, location or other geographic characteristics. Data may be subject to change without prior notification. If this data is modified, changes should be documented in a metadata record that should accompany all redistributed data. If data is transmitted or provided in any form to another user, the data must be accompanied by a copy of this disclaimer and all documentation provided with the original data set, including the full metadata record. SFEI requests that the use of these data in any map, publication, or report should cite the data source(s) used and give proper attribution and credit to the originators of the data.

Extent

West -122.847055 **East** -122.825612
North 38.494817 **South** 38.452148

Scale Range

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

ArcGIS Metadata ►

Topics and Keywords ►

* CONTENT TYPE Downloadable Data

Hide Topics and Keywords ▲

Citation ►

* TITLE Mainstem_Channels_ca1850_70
 PUBLICATION DATE 2014-06-04 00:00:00

PRESENTATION FORMATS * digital map

Hide Citation ▲

Citation Contacts ►

RESPONSIBLE PARTY

INDIVIDUAL'S NAME Micha Salomon
 ORGANIZATION'S NAME San Francisco Estuary Institute
 CONTACT'S POSITION GIS Specialist

CONTACT'S ROLE **originator**

CONTACT INFORMATION ►

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TYPE both

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CITY Richmond

ADMINISTRATIVE AREA CA

POSTAL CODE 94804

COUNTRY US

E-MAIL ADDRESS micha@sfei.org

ONLINE RESOURCE

LOCATION www.sfei.org

FUNCTION PERFORMED download

[Hide Contact information ▲](#)

[Hide Citation Contacts ▲](#)

Resource Details ►

DATASET LANGUAGES * English (UNITED STATES)

SPATIAL REPRESENTATION TYPE * vector

* PROCESSING ENVIRONMENT Microsoft Windows 7 Version 6.1 (Build 7601) Service Pack 1; Esri ArcGIS 10.1.0.3035

CREDITS

San Francisco Estuary Institute 2014

ARCGIS ITEM PROPERTIES

* NAME Mainstem_Channels_ca1850_70

* LOCATION file:///\\geodata1\\q\\Historical Ecology\\GIS\\Laguna de Santa Rosa\\Deliverable GIS data\\Laguna_Mark_West_Historical_Ecology_SFEI_2014.gdb

* ACCESS PROTOCOL Local Area Network

[Hide Resource Details ▲](#)

Extents ►

EXTENT

GEOGRAPHIC EXTENT

BOUNDING RECTANGLE

EXTENT TYPE Extent used for searching

* WEST LONGITUDE -122.847055

* EAST LONGITUDE -122.825612

* NORTH LATITUDE 38.494817

* SOUTH LATITUDE 38.452148

EXTENT CONTAINS THE RESOURCE Yes

EXTENT IN THE ITEM'S COORDINATE SYSTEM

* WEST LONGITUDE 513345.313300

* EAST LONGITUDE 515207.401200
 * SOUTH LATITUDE 4255998.092700
 * NORTH LATITUDE 4260729.445700
 * EXTENT CONTAINS THE RESOURCE Yes

[Hide Extents ▲](#)

Resource Constraints ►

CONSTRAINTS

LIMITATIONS OF USE

As with any map or GIS layer, confidence or certainty varies geographically due to differences in source data or methods. This geodatabase provides direct information about the certainty level of different areas and features to allow the user to intelligently assess the applicability of the data for the chosen technical question. The Interp Cert, Shape Cert, and Loc Cert fields provide information about the certainty of channel presence, shape, and location, rated as high, medium, or low. For more detail about methods refer to: -- Grossinger, RM, Striplen CJ, Askevold R, Brewster E, Beller EE. 2007. Historical landscape ecology of an urbanized California valley: wetlands and woodlands in the Santa Clara Valley. *Landscape Ecology*.:103-120. -- Technical users are strongly encouraged to read the full study report (Baumgarten et al. 2014 – available at <http://www.sfei.org/projects/MarkWestHE>) to gain a stronger understanding of the strengths and limitations of the dataset. -- In no event shall the creators, custodians, or distributors of this information be liable for any damages arising out of its use (or the inability to use it). These data are not legal documents or of survey quality and are not intended to be used as such. Although extensive effort has been made to produce error-free and complete data, all geographic information has limitations due to the scale, resolution, date and interpretation of the original source materials. Users should consult available data documentation (metadata) for these particular data to determine limitations and the precision to which the data depict distance, direction, location or other geographic characteristics. Data may be subject to change without prior notification. If this data is modified, changes should be documented in a metadata record that should accompany all redistributed data. If data is transmitted or provided in any form to another user, the data must be accompanied by a copy of this disclaimer and all documentation provided with the original data set, including the full metadata record. SFEI requests that the use of these data in any map, publication, or report should cite the data source(s) used and give proper attribution and credit to the originators of the data.

[Hide Resource Constraints ▲](#)

Spatial Reference ►

ARCgis COORDINATE SYSTEM

* TYPE Projected
 * GEOGRAPHIC COORDINATE REFERENCE GCS_North_American_1983
 * PROJECTION NAD_1983_UTM_Zone_10N
 * COORDINATE REFERENCE DETAILS
 PROJECTED COORDINATE SYSTEM
 WELL-KNOWN IDENTIFIER 26910
 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
 LATESTWKID 26910
 WELL-KNOWN TEXT PROJCS["NAD_1983_UTM_Zone_10N",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",-123.0],PARAMETER["Scale_Factor",0.9996],PARAMETER
 ["Latitude_Of_Origin",0.0],UNIT["Meter",1.0],AUTHORITY["EPSG",26910]]

REFERENCE SYSTEM IDENTIFIER

* VALUE 26910
 * CODESPACE EPSG
 * VERSION 7.9.4

[Hide Spatial Reference ▲](#)

Spatial Data Properties ►

VECTOR ►

* LEVEL OF TOPOLOGY FOR THIS DATASET geometry only

GEOMETRIC OBJECTS

FEATURE CLASS NAME Mainstem_Channels_ca1850_70

* OBJECT TYPE composite

* OBJECT COUNT 34

[Hide Vector ▲](#)

ARCGIS FEATURE CLASS PROPERTIES ►

FEATURE CLASS NAME Mainstem_Channels_ca1850_70

* FEATURE TYPE Simple

* GEOMETRY TYPE Polyline

* HAS TOPOLOGY FALSE

* FEATURE COUNT 34

* SPATIAL INDEX TRUE

* LINEAR REFERENCING FALSE

[Hide ArcGIS Feature Class Properties ▲](#)

[Hide Spatial Data Properties ▲](#)

Data Quality ►

SCOPE OF QUALITY INFORMATION ►

RESOURCE LEVEL dataset

[Hide Scope of quality information ▲](#)

[Hide Data Quality ▲](#)

Geoprocessing history ►

PROCESS

PROCESS NAME

DATE 2013-06-26 19:24:51

TOOL LOCATION C:\Program Files (x86)\ArcGIS\Desktop10.0\ArcToolbox\Toolboxes\Data Management Tools.tbx\CalculateField

COMMAND ISSUED

CalculateField Historical_Channels Interp_Cert "H" VB #

INCLUDE IN LINEAGE WHEN EXPORTING METADATA No

PROCESS

PROCESS NAME

DATE 2013-06-26 19:24:58

TOOL LOCATION C:\Program Files (x86)\ArcGIS\Desktop10.0\ArcToolbox\Toolboxes\Data Management Tools.tbx\CalculateField

COMMAND ISSUED

CalculateField Historical_Channels Shape_Cert "M" VB #

INCLUDE IN LINEAGE WHEN EXPORTING METADATA No

PROCESS

PROCESS NAME

DATE 2013-06-26 19:25:05

TOOL LOCATION C:\Program Files (x86)\ArcGIS\Desktop10.0\ArcToolbox\Toolboxes\Data Management Tools.tbx\CalculateField

COMMAND ISSUED

CalculateField Historical_Channels Loc_Cert "H" VB #

INCLUDE IN LINEAGE WHEN EXPORTING METADATA No

PROCESS

PROCESS NAME

DATE 2013-06-26 19:25:18

TOOL LOCATION C:\Program Files (x86)\ArcGIS\Desktop10.0\ArcToolbox\Toolboxes\Data Management Tools.tbx\CalculateField

COMMAND ISSUED

CalculateField Historical_Channels S_Digitize "Rodgers 1854b" VB #

INCLUDE IN LINEAGE WHEN EXPORTING METADATA No

PROCESS

PROCESS NAME

DATE 2013-08-27 13:55:02

TOOL LOCATION c:\program files (x86)\arcgis\desktop10.1\ArcToolbox\Toolboxes\Data Management Tools.tbx\CalculateField

COMMAND ISSUED

CalculateField "STREAMS -hydrography - watersheds\Historical_Channels" S_Interp1 "USACE ca. 1960" VB #

INCLUDE IN LINEAGE WHEN EXPORTING METADATA No

PROCESS

PROCESS NAME

DATE 2013-08-27 16:42:27

TOOL LOCATION c:\program files (x86)\arcgis\desktop10.1\ArcToolbox\Toolboxes\Data Management Tools.tbx\CalculateField

COMMAND ISSUED

CalculateField "STREAMS -hydrography - watersheds\Historical_Channels" S_Interp1 "[S_Interp1] & "; Lawson 1887"" VB #

INCLUDE IN LINEAGE WHEN EXPORTING METADATA No

PROCESS

PROCESS NAME

DATE 2013-09-05 16:59:41

TOOL LOCATION c:\program files (x86)\arcgis\desktop10.1\ArcToolbox\Toolboxes\Data Management Tools.tbx\CalculateField

COMMAND ISSUED

CalculateField "STREAMS -hydrography - watersheds\Historical_Channels"
Interp_Cert "M" VB #

INCLUDE IN LINEAGE WHEN EXPORTING METADATA No

PROCESS

PROCESS NAME

DATE 2013-09-05 17:01:32

TOOL LOCATION c:\program files (x86)\arcgis\desktop10.1\ArcToolbox\Toolboxes\Data Management Tools.tbx\CalculateField

COMMAND ISSUED

CalculateField "STREAMS -hydrography - watersheds\Historical_Channels"
Interp_Cert "M" VB #

INCLUDE IN LINEAGE WHEN EXPORTING METADATA No

PROCESS

PROCESS NAME

DATE 2013-09-11 16:39:10

TOOL LOCATION c:\program files (x86)\arcgis\desktop10.1\ArcToolbox\Toolboxes\Data Management Tools.tbx\CalculateField

COMMAND ISSUED

CalculateField Historical_Channels Interp_Cert "M" VB #

INCLUDE IN LINEAGE WHEN EXPORTING METADATA No

PROCESS

PROCESS NAME

DATE 2013-09-11 18:59:46

TOOL LOCATION c:\program files (x86)\arcgis\desktop10.1\ArcToolbox\Toolboxes\Data Management Tools.tbx\CalculateField

COMMAND ISSUED

CalculateField Historical_Channels Notes "shifted to preserve spatial
relationship with nearby Ponds" VB #

INCLUDE IN LINEAGE WHEN EXPORTING METADATA No

PROCESS

PROCESS NAME

DATE 2013-09-18 10:09:43

TOOL LOCATION c:\program files (x86)\arcgis\desktop10.1\ArcToolbox\Toolboxes\Data Management Tools.tbx\CalculateField

COMMAND ISSUED

CalculateField "STREAMS -hydrography - watersheds\Historical_Channels"
S_Interp1 "Rodgers 1854a" VB #

INCLUDE IN LINEAGE WHEN EXPORTING METADATA No

PROCESS

PROCESS NAME

DATE 2013-09-25 18:22:15

TOOL LOCATION c:\program files (x86)\arcgis\desktop10.1\ArcToolbox\Toolboxes\Data Management Tools.tbx\CalculateField

COMMAND ISSUED

CalculateField "STREAMS -hydrography - watersheds\Historical_Channels"
Habitat_Type "Intertidal Channel -linear depiction OR connecting Channel" VB #

INCLUDE IN LINEAGE WHEN EXPORTING METADATA No

PROCESS

PROCESS NAME

DATE 2013-09-25 18:29:21

TOOL LOCATION c:\program files (x86)\arcgis\desktop10.1\ArcToolbox\Toolboxes\Data Management Tools.tbx\CalculateField

COMMAND ISSUED

CalculateField "STREAMS -hydrography - watersheds\Historical_Channels"
Habitat_Type "Intertidal Channel Connection segment" VB #

INCLUDE IN LINEAGE WHEN EXPORTING METADATA No

PROCESS

PROCESS NAME

DATE 2013-09-25 18:30:27

TOOL LOCATION c:\program files (x86)\arcgis\desktop10.1\ArcToolbox\Toolboxes\Data Management Tools.tbx\CalculateField

COMMAND ISSUED

CalculateField "STREAMS -hydrography - watersheds\Historical_Channels"
Habitat_Type "Intertidal Channel - linear depiction of channel mapped as polygon" VB #

INCLUDE IN LINEAGE WHEN EXPORTING METADATA No

PROCESS

PROCESS NAME

DATE 2013-09-26 11:51:23

TOOL LOCATION c:\program files (x86)\arcgis\desktop10.1\ArcToolbox\Toolboxes\Data Management Tools.tbx\FeatureToLine

COMMAND ISSUED

FeatureToLine 'STREAMS -hydrography - watersheds\Historical_Channels'
"Q:\Historical Ecology\GIS\Novato_Creek\GIS
data\Novato_Creek_HE.mdb\Historical_Channels_Feat2Line_20130926" # ATTRIBUTES

INCLUDE IN LINEAGE WHEN EXPORTING METADATA No

PROCESS

PROCESS NAME

DATE 2013-09-26 12:00:35

TOOL LOCATION c:\program files (x86)\arcgis\desktop10.1\ArcToolbox\Toolboxes\Data Management Tools.tbx\CalculateField

COMMAND ISSUED

CalculateField "STREAMS -hydrography - watersheds\Historical_Channels"
Tidal_Channel_Stahler_Order 1 VB #

INCLUDE IN LINEAGE WHEN EXPORTING METADATA No

PROCESS

PROCESS NAME

DATE 2013-09-26 12:10:48

TOOL LOCATION c:\program files (x86)\arcgis\desktop10.1\ArcToolbox\Toolboxes\Data Management Tools.tbx\CalculateField

COMMAND ISSUED

CalculateField "STREAMS -hydrography - watersheds\Historical_Channels_BY_ORDER"
Tidal_Channel_Stahler_Order 2 VB #

INCLUDE IN LINEAGE WHEN EXPORTING METADATA No

PROCESS

PROCESS NAME

DATE 2013-09-26 12:11:21

TOOL LOCATION c:\program files (x86)\arcgis\desktop10.1\ArcToolbox\Toolboxes\Data Management Tools.tbx\CalculateField

COMMAND ISSUED

CalculateField "STREAMS -hydrography - watersheds\Historical_Channels_BY_ORDER"

Tidal_Channel_Stahler_Order 2 VB #
 INCLUDE IN LINEAGE WHEN EXPORTING METADATA No

PROCESS

PROCESS NAME
 DATE 2013-09-26 12:16:33
 TOOL LOCATION c:\program files (x86)\arcgis\desktop10.1\ArcToolbox\Toolboxes\Data
 Management Tools.tbx\CalculateField
 COMMAND ISSUED
 CalculateField "STREAMS -hydrography - watersheds\Historical_Channels_BY_ORDER"
 Tidal_Channel_Stahler_Order 1 VB #
 INCLUDE IN LINEAGE WHEN EXPORTING METADATA No

PROCESS

PROCESS NAME
 DATE 2013-09-26 12:18:28
 TOOL LOCATION c:\program files (x86)\arcgis\desktop10.1\ArcToolbox\Toolboxes\Data
 Management Tools.tbx\CalculateField
 COMMAND ISSUED
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 Tidal_Channel_Stahler_Order 2 VB #
 INCLUDE IN LINEAGE WHEN EXPORTING METADATA No

PROCESS

PROCESS NAME
 DATE 2013-09-26 12:19:15
 TOOL LOCATION c:\program files (x86)\arcgis\desktop10.1\ArcToolbox\Toolboxes\Data
 Management Tools.tbx\CalculateField
 COMMAND ISSUED
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 Tidal_Channel_Stahler_Order 2 VB #
 INCLUDE IN LINEAGE WHEN EXPORTING METADATA No

PROCESS

PROCESS NAME
 DATE 2013-09-26 12:20:52
 TOOL LOCATION c:\program files (x86)\arcgis\desktop10.1\ArcToolbox\Toolboxes\Data
 Management Tools.tbx\CalculateField
 COMMAND ISSUED
 CalculateField "STREAMS -hydrography - watersheds\Historical_Channels_BY_ORDER"
 Tidal_Channel_Stahler_Order 3 VB #
 INCLUDE IN LINEAGE WHEN EXPORTING METADATA No

PROCESS

PROCESS NAME
 DATE 2013-09-26 12:21:19
 TOOL LOCATION c:\program files (x86)\arcgis\desktop10.1\ArcToolbox\Toolboxes\Data
 Management Tools.tbx\CalculateField
 COMMAND ISSUED
 CalculateField "STREAMS -hydrography - watersheds\Historical_Channels_BY_ORDER"
 Tidal_Channel_Stahler_Order 2 VB #
 INCLUDE IN LINEAGE WHEN EXPORTING METADATA No

PROCESS

PROCESS NAME
 DATE 2013-09-26 12:21:43
 TOOL LOCATION c:\program files (x86)\arcgis\desktop10.1\ArcToolbox\Toolboxes\Data
 Management Tools.tbx\CalculateField
 COMMAND ISSUED

```
CalculateField "STREAMS -hydrography - watersheds\Historical_Channels_BY_ORDER"
Tidal_Channel_Stahler_Order 3 VB #
INCLUDE IN LINEAGE WHEN EXPORTING METADATA No
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PROCESS

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PROCESS NAME
DATE 2013-09-26 12:22:04
TOOL LOCATION c:\program files (x86)\arcgis\desktop10.1\ArcToolbox\Toolboxes\Data
Management Tools.tbx\CalculateField
COMMAND ISSUED
CalculateField "STREAMS -hydrography - watersheds\Historical_Channels_BY_ORDER"
Tidal_Channel_Stahler_Order 2 VB #
INCLUDE IN LINEAGE WHEN EXPORTING METADATA No
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PROCESS

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PROCESS NAME
DATE 2013-09-26 12:23:20
TOOL LOCATION c:\program files (x86)\arcgis\desktop10.1\ArcToolbox\Toolboxes\Data
Management Tools.tbx\CalculateField
COMMAND ISSUED
CalculateField "STREAMS -hydrography - watersheds\Historical_Channels_BY_ORDER"
Tidal_Channel_Stahler_Order 2 VB #
INCLUDE IN LINEAGE WHEN EXPORTING METADATA No
```

PROCESS

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PROCESS NAME
DATE 2013-09-26 12:25:34
TOOL LOCATION c:\program files (x86)\arcgis\desktop10.1\ArcToolbox\Toolboxes\Data
Management Tools.tbx\CalculateField
COMMAND ISSUED
CalculateField "STREAMS -hydrography - watersheds\Historical_Channels_BY_ORDER"
Tidal_Channel_Stahler_Order 2 VB #
INCLUDE IN LINEAGE WHEN EXPORTING METADATA No
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PROCESS

```
PROCESS NAME
DATE 2013-09-26 12:26:52
TOOL LOCATION c:\program files (x86)\arcgis\desktop10.1\ArcToolbox\Toolboxes\Data
Management Tools.tbx\CalculateField
COMMAND ISSUED
CalculateField "STREAMS -hydrography - watersheds\Historical_Channels_BY_ORDER"
Tidal_Channel_Stahler_Order 2 VB #
INCLUDE IN LINEAGE WHEN EXPORTING METADATA No
```

PROCESS

```
PROCESS NAME
DATE 2013-09-26 12:28:31
TOOL LOCATION c:\program files (x86)\arcgis\desktop10.1\ArcToolbox\Toolboxes\Data
Management Tools.tbx\CalculateField
COMMAND ISSUED
CalculateField "STREAMS -hydrography - watersheds\Historical_Channels_BY_ORDER"
Tidal_Channel_Stahler_Order 3 VB #
INCLUDE IN LINEAGE WHEN EXPORTING METADATA No
```

PROCESS

```
PROCESS NAME
DATE 2013-09-26 12:28:58
TOOL LOCATION c:\program files (x86)\arcgis\desktop10.1\ArcToolbox\Toolboxes\Data
Management Tools.tbx\CalculateField
```

COMMAND ISSUED

CalculateField "STREAMS -hydrography - watersheds\Historical_Channels_BY_ORDER"
Tidal_Channel_Stahler_Order 4 VB #

INCLUDE IN LINEAGE WHEN EXPORTING METADATA No

PROCESS

PROCESS NAME

DATE 2013-09-26 12:29:38

TOOL LOCATION c:\program files (x86)\arcgis\desktop10.1\ArcToolbox\Toolboxes\Data
Management Tools.tbx\CalculateField

COMMAND ISSUED

CalculateField "STREAMS -hydrography - watersheds\Historical_Channels_BY_ORDER"
Tidal_Channel_Stahler_Order 2 VB #

INCLUDE IN LINEAGE WHEN EXPORTING METADATA No

PROCESS

PROCESS NAME

DATE 2013-09-26 12:30:10

TOOL LOCATION c:\program files (x86)\arcgis\desktop10.1\ArcToolbox\Toolboxes\Data
Management Tools.tbx\CalculateField

COMMAND ISSUED

CalculateField "STREAMS -hydrography - watersheds\Historical_Channels_BY_ORDER"
Tidal_Channel_Stahler_Order 3 VB #

INCLUDE IN LINEAGE WHEN EXPORTING METADATA No

PROCESS

PROCESS NAME

DATE 2013-09-26 12:30:36

TOOL LOCATION c:\program files (x86)\arcgis\desktop10.1\ArcToolbox\Toolboxes\Data
Management Tools.tbx\CalculateField

COMMAND ISSUED

CalculateField "STREAMS -hydrography - watersheds\Historical_Channels_BY_ORDER"
Tidal_Channel_Stahler_Order 2 VB #

INCLUDE IN LINEAGE WHEN EXPORTING METADATA No

PROCESS

PROCESS NAME

DATE 2013-09-26 12:32:43

TOOL LOCATION c:\program files (x86)\arcgis\desktop10.1\ArcToolbox\Toolboxes\Data
Management Tools.tbx\CalculateField

COMMAND ISSUED

CalculateField "STREAMS -hydrography - watersheds\Historical_Channels_BY_ORDER"
Tidal_Channel_Stahler_Order 2 VB #

INCLUDE IN LINEAGE WHEN EXPORTING METADATA No

PROCESS

PROCESS NAME

DATE 2013-09-26 12:33:06

TOOL LOCATION c:\program files (x86)\arcgis\desktop10.1\ArcToolbox\Toolboxes\Data
Management Tools.tbx\CalculateField

COMMAND ISSUED

CalculateField "STREAMS -hydrography - watersheds\Historical_Channels_BY_ORDER"
Tidal_Channel_Stahler_Order 2 VB #

INCLUDE IN LINEAGE WHEN EXPORTING METADATA No

PROCESS

PROCESS NAME

DATE 2013-09-26 12:34:09

TOOL LOCATION c:\program files (x86)\arcgis\desktop10.1\ArcToolbox\Toolboxes\Data

Management Tools.tbx\CalculateField

COMMAND ISSUED

CalculateField "STREAMS -hydrography - watersheds\Historical_Channels_BY_ORDER"
Tidal_Channel_Stahler_Order 3 VB #

INCLUDE IN LINEAGE WHEN EXPORTING METADATA No

PROCESS

PROCESS NAME

DATE 2013-09-26 12:35:02

TOOL LOCATION c:\program files (x86)\arcgis\desktop10.1\ArcToolbox\Toolboxes\Data
Management Tools.tbx\CalculateField

COMMAND ISSUED

CalculateField "STREAMS -hydrography - watersheds\Historical_Channels_BY_ORDER"
Tidal_Channel_Stahler_Order 2 VB #

INCLUDE IN LINEAGE WHEN EXPORTING METADATA No

PROCESS

PROCESS NAME

DATE 2013-09-26 12:36:43

TOOL LOCATION c:\program files (x86)\arcgis\desktop10.1\ArcToolbox\Toolboxes\Data
Management Tools.tbx\CalculateField

COMMAND ISSUED

CalculateField "STREAMS -hydrography - watersheds\Historical_Channels_BY_ORDER"
Tidal_Channel_Stahler_Order 4 VB #

INCLUDE IN LINEAGE WHEN EXPORTING METADATA No

PROCESS

PROCESS NAME

DATE 2013-09-26 12:37:19

TOOL LOCATION c:\program files (x86)\arcgis\desktop10.1\ArcToolbox\Toolboxes\Data
Management Tools.tbx\CalculateField

COMMAND ISSUED

CalculateField "STREAMS -hydrography - watersheds\Historical_Channels_BY_ORDER"
Tidal_Channel_Stahler_Order 2 VB #

INCLUDE IN LINEAGE WHEN EXPORTING METADATA No

PROCESS

PROCESS NAME

DATE 2013-09-26 12:37:37

TOOL LOCATION c:\program files (x86)\arcgis\desktop10.1\ArcToolbox\Toolboxes\Data
Management Tools.tbx\CalculateField

COMMAND ISSUED

CalculateField "STREAMS -hydrography - watersheds\Historical_Channels_BY_ORDER"
Tidal_Channel_Stahler_Order 2 VB #

INCLUDE IN LINEAGE WHEN EXPORTING METADATA No

PROCESS

PROCESS NAME

DATE 2013-09-26 12:38:22

TOOL LOCATION c:\program files (x86)\arcgis\desktop10.1\ArcToolbox\Toolboxes\Data
Management Tools.tbx\CalculateField

COMMAND ISSUED

CalculateField "STREAMS -hydrography - watersheds\Historical_Channels_BY_ORDER"
Tidal_Channel_Stahler_Order 2 VB #

INCLUDE IN LINEAGE WHEN EXPORTING METADATA No

PROCESS

PROCESS NAME

DATE 2013-09-26 12:39:23

TOOL LOCATION c:\program files (x86)\arcgis\desktop10.1\ArcToolbox\Toolboxes\Data
Management Tools.tbx\CalculateField

COMMAND ISSUED

CalculateField "STREAMS -hydrography - watersheds\Historical_Channels_BY_ORDER"
Tidal_Channel_Stahler_Order 2 VB #

INCLUDE IN LINEAGE WHEN EXPORTING METADATA No

PROCESS

PROCESS NAME

DATE 2013-09-26 12:41:19

TOOL LOCATION c:\program files (x86)\arcgis\desktop10.1\ArcToolbox\Toolboxes\Data
Management Tools.tbx\CalculateField

COMMAND ISSUED

CalculateField "STREAMS -hydrography - watersheds\Historical_Channels_BY_ORDER"
Tidal_Channel_Stahler_Order 2 VB #

INCLUDE IN LINEAGE WHEN EXPORTING METADATA No

PROCESS

PROCESS NAME

DATE 2013-09-26 12:43:53

TOOL LOCATION c:\program files (x86)\arcgis\desktop10.1\ArcToolbox\Toolboxes\Data
Management Tools.tbx\CalculateField

COMMAND ISSUED

CalculateField "STREAMS -hydrography - watersheds\Historical_Channels_BY_ORDER"
Tidal_Channel_Stahler_Order 2 VB #

INCLUDE IN LINEAGE WHEN EXPORTING METADATA No

PROCESS

PROCESS NAME

DATE 2013-09-26 12:46:43

TOOL LOCATION c:\program files (x86)\arcgis\desktop10.1\ArcToolbox\Toolboxes\Data
Management Tools.tbx\CalculateField

COMMAND ISSUED

CalculateField "STREAMS -hydrography - watersheds\Historical_Channels_BY_ORDER"
Tidal_Channel_Stahler_Order 3 VB #

INCLUDE IN LINEAGE WHEN EXPORTING METADATA No

PROCESS

PROCESS NAME

DATE 2013-09-26 12:48:48

TOOL LOCATION c:\program files (x86)\arcgis\desktop10.1\ArcToolbox\Toolboxes\Data
Management Tools.tbx\CalculateField

COMMAND ISSUED

CalculateField "STREAMS -hydrography - watersheds\Historical_Channels_BY_ORDER"
Tidal_Channel_Stahler_Order 5 VB #

INCLUDE IN LINEAGE WHEN EXPORTING METADATA No

PROCESS

PROCESS NAME

DATE 2013-09-26 12:49:50

TOOL LOCATION c:\program files (x86)\arcgis\desktop10.1\ArcToolbox\Toolboxes\Data
Management Tools.tbx\CalculateField

COMMAND ISSUED

CalculateField "STREAMS -hydrography - watersheds\Historical_Channels_BY_ORDER"
Tidal_Channel_Stahler_Order 2 VB #

INCLUDE IN LINEAGE WHEN EXPORTING METADATA No

PROCESS

PROCESS NAME

DATE 2013-09-26 12:50:12

TOOL LOCATION c:\program files (x86)\arcgis\desktop10.1\ArcToolbox\Toolboxes\Data
Management Tools.tbx\CalculateField

COMMAND ISSUED

CalculateField "STREAMS -hydrography - watersheds\Historical_Channels_BY_ORDER"
Tidal_Channel_Stahler_Order 3 VB #

INCLUDE IN LINEAGE WHEN EXPORTING METADATA No

PROCESS

PROCESS NAME

DATE 2013-09-26 12:52:11

TOOL LOCATION c:\program files (x86)\arcgis\desktop10.1\ArcToolbox\Toolboxes\Data
Management Tools.tbx\CalculateField

COMMAND ISSUED

CalculateField "STREAMS -hydrography - watersheds\Historical_Channels_BY_ORDER"
Tidal_Channel_Stahler_Order 4 VB #

INCLUDE IN LINEAGE WHEN EXPORTING METADATA No

PROCESS

PROCESS NAME

DATE 2013-09-26 12:52:54

TOOL LOCATION c:\program files (x86)\arcgis\desktop10.1\ArcToolbox\Toolboxes\Data
Management Tools.tbx\CalculateField

COMMAND ISSUED

CalculateField "STREAMS -hydrography - watersheds\Historical_Channels_BY_ORDER"
Tidal_Channel_Stahler_Order 2 VB #

INCLUDE IN LINEAGE WHEN EXPORTING METADATA No

PROCESS

PROCESS NAME

DATE 2013-09-26 12:53:34

TOOL LOCATION c:\program files (x86)\arcgis\desktop10.1\ArcToolbox\Toolboxes\Data
Management Tools.tbx\CalculateField

COMMAND ISSUED

CalculateField "STREAMS -hydrography - watersheds\Historical_Channels_BY_ORDER"
Tidal_Channel_Stahler_Order 2 VB #

INCLUDE IN LINEAGE WHEN EXPORTING METADATA No

PROCESS

PROCESS NAME

DATE 2013-09-26 12:57:44

TOOL LOCATION c:\program files (x86)\arcgis\desktop10.1\ArcToolbox\Toolboxes\Data
Management Tools.tbx\CalculateField

COMMAND ISSUED

CalculateField "STREAMS -hydrography - watersheds\Historical_Channels_BY_ORDER"
Tidal_Channel_Stahler_Order 3 VB #

INCLUDE IN LINEAGE WHEN EXPORTING METADATA No

PROCESS

PROCESS NAME

DATE 2013-09-26 12:58:27

TOOL LOCATION c:\program files (x86)\arcgis\desktop10.1\ArcToolbox\Toolboxes\Data
Management Tools.tbx\CalculateField

COMMAND ISSUED

CalculateField "STREAMS -hydrography - watersheds\Historical_Channels_BY_ORDER"
Tidal_Channel_Stahler_Order 2 VB #

INCLUDE IN LINEAGE WHEN EXPORTING METADATA No

PROCESS

PROCESS NAME

DATE 2013-09-26 12:59:19

TOOL LOCATION c:\program files (x86)\arcgis\desktop10.1\ArcToolbox\Toolboxes\Data
Management Tools.tbx\CalculateField

COMMAND ISSUED

CalculateField "STREAMS -hydrography - watersheds\Historical_Channels_BY_ORDER"
Tidal_Channel_Stahler_Order 2 VB #

INCLUDE IN LINEAGE WHEN EXPORTING METADATA No

PROCESS

PROCESS NAME

DATE 2013-09-26 12:59:58

TOOL LOCATION c:\program files (x86)\arcgis\desktop10.1\ArcToolbox\Toolboxes\Data
Management Tools.tbx\CalculateField

COMMAND ISSUED

CalculateField "STREAMS -hydrography - watersheds\Historical_Channels_BY_ORDER"
Tidal_Channel_Stahler_Order 5 VB #

INCLUDE IN LINEAGE WHEN EXPORTING METADATA No

PROCESS

PROCESS NAME

DATE 2013-09-26 13:00:17

TOOL LOCATION c:\program files (x86)\arcgis\desktop10.1\ArcToolbox\Toolboxes\Data
Management Tools.tbx\CalculateField

COMMAND ISSUED

CalculateField "STREAMS -hydrography - watersheds\Historical_Channels_BY_ORDER"
Tidal_Channel_Stahler_Order 2 VB #

INCLUDE IN LINEAGE WHEN EXPORTING METADATA No

PROCESS

PROCESS NAME

DATE 2013-09-26 13:01:19

TOOL LOCATION c:\program files (x86)\arcgis\desktop10.1\ArcToolbox\Toolboxes\Data
Management Tools.tbx\CalculateField

COMMAND ISSUED

CalculateField "STREAMS -hydrography - watersheds\Historical_Channels_BY_ORDER"
Tidal_Channel_Stahler_Order 2 VB #

INCLUDE IN LINEAGE WHEN EXPORTING METADATA No

PROCESS

PROCESS NAME

DATE 2013-09-26 13:03:19

TOOL LOCATION c:\program files (x86)\arcgis\desktop10.1\ArcToolbox\Toolboxes\Data
Management Tools.tbx\CalculateField

COMMAND ISSUED

CalculateField "STREAMS -hydrography - watersheds\Historical_Channels_BY_ORDER"
Tidal_Channel_Stahler_Order 2 VB #

INCLUDE IN LINEAGE WHEN EXPORTING METADATA No

PROCESS

PROCESS NAME

DATE 2013-09-26 13:03:52

TOOL LOCATION c:\program files (x86)\arcgis\desktop10.1\ArcToolbox\Toolboxes\Data
Management Tools.tbx\CalculateField

COMMAND ISSUED

CalculateField "STREAMS -hydrography - watersheds\Historical_Channels_BY_ORDER"
Tidal_Channel_Stahler_Order 2 VB #

INCLUDE IN LINEAGE WHEN EXPORTING METADATA No

PROCESS

PROCESS NAME

DATE 2013-09-26 13:05:26

TOOL LOCATION c:\program files (x86)\arcgis\desktop10.1\ArcToolbox\Toolboxes\Data Management Tools.tbx\CalculateField

COMMAND ISSUED

CalculateField "STREAMS -hydrography - watersheds\Historical_Channels_BY_ORDER"
Tidal_Channel_Stahler_Order 3 VB #

INCLUDE IN LINEAGE WHEN EXPORTING METADATA No

PROCESS

PROCESS NAME

DATE 2013-09-26 13:06:06

TOOL LOCATION c:\program files (x86)\arcgis\desktop10.1\ArcToolbox\Toolboxes\Data Management Tools.tbx\CalculateField

COMMAND ISSUED

CalculateField "STREAMS -hydrography - watersheds\Historical_Channels_BY_ORDER"
Tidal_Channel_Stahler_Order 2 VB #

INCLUDE IN LINEAGE WHEN EXPORTING METADATA No

PROCESS

PROCESS NAME

DATE 2013-09-26 13:06:41

TOOL LOCATION c:\program files (x86)\arcgis\desktop10.1\ArcToolbox\Toolboxes\Data Management Tools.tbx\CalculateField

COMMAND ISSUED

CalculateField "STREAMS -hydrography - watersheds\Historical_Channels_BY_ORDER"
Tidal_Channel_Stahler_Order 3 VB #

INCLUDE IN LINEAGE WHEN EXPORTING METADATA No

PROCESS

PROCESS NAME

DATE 2013-09-26 13:07:03

TOOL LOCATION c:\program files (x86)\arcgis\desktop10.1\ArcToolbox\Toolboxes\Data Management Tools.tbx\CalculateField

COMMAND ISSUED

CalculateField "STREAMS -hydrography - watersheds\Historical_Channels_BY_ORDER"
Tidal_Channel_Stahler_Order 5 VB #

INCLUDE IN LINEAGE WHEN EXPORTING METADATA No

PROCESS

PROCESS NAME

DATE 2013-09-26 13:12:33

TOOL LOCATION c:\program files (x86)\arcgis\desktop10.1\ArcToolbox\Toolboxes\Data Management Tools.tbx\CalculateField

COMMAND ISSUED

CalculateField "STREAMS -hydrography - watersheds\Historical_Channels_BY_ORDER"
Tidal_Channel_Stahler_Order 2 VB #

INCLUDE IN LINEAGE WHEN EXPORTING METADATA No

PROCESS

PROCESS NAME

DATE 2013-09-26 13:12:50

TOOL LOCATION c:\program files (x86)\arcgis\desktop10.1\ArcToolbox\Toolboxes\Data Management Tools.tbx\CalculateField

COMMAND ISSUED

CalculateField "STREAMS -hydrography - watersheds\Historical_Channels_BY_ORDER"
Tidal_Channel_Stahler_Order 3 VB #

INCLUDE IN LINEAGE WHEN EXPORTING METADATA No

PROCESS

PROCESS NAME

DATE 2013-09-26 13:14:49

TOOL LOCATION c:\program files (x86)\arcgis\desktop10.1\ArcToolbox\Toolboxes\Data Management Tools.tbx\CalculateField

COMMAND ISSUED

CalculateField "STREAMS -hydrography - watersheds\Historical_Channels_BY_ORDER"
Tidal_Channel_Stahler_Order 5 VB #

INCLUDE IN LINEAGE WHEN EXPORTING METADATA No

PROCESS

PROCESS NAME

DATE 2013-09-26 13:15:35

TOOL LOCATION c:\program files (x86)\arcgis\desktop10.1\ArcToolbox\Toolboxes\Data Management Tools.tbx\CalculateField

COMMAND ISSUED

CalculateField "STREAMS -hydrography - watersheds\Historical_Channels_BY_ORDER"
Tidal_Channel_Stahler_Order 2 VB #

INCLUDE IN LINEAGE WHEN EXPORTING METADATA No

PROCESS

PROCESS NAME

DATE 2013-09-26 13:16:20

TOOL LOCATION c:\program files (x86)\arcgis\desktop10.1\ArcToolbox\Toolboxes\Data Management Tools.tbx\CalculateField

COMMAND ISSUED

CalculateField "STREAMS -hydrography - watersheds\Historical_Channels_BY_ORDER"
Tidal_Channel_Stahler_Order 2 VB #

INCLUDE IN LINEAGE WHEN EXPORTING METADATA No

PROCESS

PROCESS NAME

DATE 2013-09-26 13:17:00

TOOL LOCATION c:\program files (x86)\arcgis\desktop10.1\ArcToolbox\Toolboxes\Data Management Tools.tbx\CalculateField

COMMAND ISSUED

CalculateField "STREAMS -hydrography - watersheds\Historical_Channels_BY_ORDER"
Tidal_Channel_Stahler_Order 3 VB #

INCLUDE IN LINEAGE WHEN EXPORTING METADATA No

PROCESS

PROCESS NAME

DATE 2013-09-26 13:18:47

TOOL LOCATION c:\program files (x86)\arcgis\desktop10.1\ArcToolbox\Toolboxes\Data Management Tools.tbx\CalculateField

COMMAND ISSUED

CalculateField "STREAMS -hydrography - watersheds\Historical_Channels_BY_ORDER"
Tidal_Channel_Stahler_Order 5 VB #

INCLUDE IN LINEAGE WHEN EXPORTING METADATA No

PROCESS

PROCESS NAME

DATE 2013-09-26 13:20:43

TOOL LOCATION c:\program files (x86)\arcgis\desktop10.1\ArcToolbox\Toolboxes\Data Management Tools.tbx\CalculateField

COMMAND ISSUED

CalculateField "STREAMS -hydrography - watersheds\Historical_Channels_BY_ORDER"
Tidal_Channel_Stahler_Order 2 VB #

INCLUDE IN LINEAGE WHEN EXPORTING METADATA No

PROCESS

PROCESS NAME

DATE 2013-09-26 13:22:26

TOOL LOCATION c:\program files (x86)\arcgis\desktop10.1\ArcToolbox\Toolboxes\Data Management Tools.tbx\CalculateField

COMMAND ISSUED

CalculateField "STREAMS -hydrography - watersheds\Historical_Channels_BY_ORDER"
Tidal_Channel_Stahler_Order 3 VB #

INCLUDE IN LINEAGE WHEN EXPORTING METADATA No

PROCESS

PROCESS NAME

DATE 2013-09-26 13:23:07

TOOL LOCATION c:\program files (x86)\arcgis\desktop10.1\ArcToolbox\Toolboxes\Data Management Tools.tbx\CalculateField

COMMAND ISSUED

CalculateField "STREAMS -hydrography - watersheds\Historical_Channels_BY_ORDER"
Tidal_Channel_Stahler_Order 6 VB #

INCLUDE IN LINEAGE WHEN EXPORTING METADATA No

PROCESS

PROCESS NAME

DATE 2013-09-26 13:23:56

TOOL LOCATION c:\program files (x86)\arcgis\desktop10.1\ArcToolbox\Toolboxes\Data Management Tools.tbx\CalculateField

COMMAND ISSUED

CalculateField "STREAMS -hydrography - watersheds\Historical_Channels_BY_ORDER"
Tidal_Channel_Stahler_Order 2 VB #

INCLUDE IN LINEAGE WHEN EXPORTING METADATA No

PROCESS

PROCESS NAME

DATE 2013-09-26 13:24:58

TOOL LOCATION c:\program files (x86)\arcgis\desktop10.1\ArcToolbox\Toolboxes\Data Management Tools.tbx\CalculateField

COMMAND ISSUED

CalculateField "STREAMS -hydrography - watersheds\Historical_Channels_BY_ORDER"
Tidal_Channel_Stahler_Order 2 VB #

INCLUDE IN LINEAGE WHEN EXPORTING METADATA No

PROCESS

PROCESS NAME

DATE 2013-09-26 16:58:08

TOOL LOCATION c:\program files (x86)\arcgis\desktop10.1\ArcToolbox\Toolboxes\Data Management Tools.tbx\CalculateField

COMMAND ISSUED

CalculateField "STREAMS -hydrography - watersheds\for Channel
Order\Historical_Channels_BY_ORDER" Buffer_width_per_side
"[Tidal_Channel_Stahler_Order] *0.5" VB #

INCLUDE IN LINEAGE WHEN EXPORTING METADATA No

PROCESS

PROCESS NAME

DATE 2013-11-13 10:05:25

TOOL LOCATION c:\program files (x86)\arcgis\desktop10.1\ArcToolbox\Toolboxes\Data Management Tools.tbx\CalculateField

COMMAND ISSUED

```
CalculateField "Synthesis Mapping\Historical\Historical_Channels" S_Digitize
[Source] VB #
```

INCLUDE IN LINEAGE WHEN EXPORTING METADATA No

PROCESS

PROCESS NAME

DATE 2013-11-13 10:21:29

TOOL LOCATION c:\program files (x86)\arcgis\desktop10.1\ArcToolbox\Toolboxes\Data
Management Tools.tbx\CalculateField

COMMAND ISSUED

```
CalculateField "Synthesis Mapping\Historical\Historical_Channels" WetlandType
[Wtype] VB #
```

INCLUDE IN LINEAGE WHEN EXPORTING METADATA No

PROCESS

PROCESS NAME

DATE 2013-11-13 10:21:56

TOOL LOCATION c:\program files (x86)\arcgis\desktop10.1\ArcToolbox\Toolboxes\Data
Management Tools.tbx\AssignDomainToField

COMMAND ISSUED

```
AssignDomainToField "Synthesis Mapping\Historical\Historical_Channels"
WetlandType Channel_Code #
```

INCLUDE IN LINEAGE WHEN EXPORTING METADATA No

PROCESS

PROCESS NAME

DATE 2014-01-23 10:39:19

TOOL LOCATION c:\program files (x86)\arcgis\desktop10.1\ArcToolbox\Toolboxes\Analysis
Tools.tbx\Clip

COMMAND ISSUED

```
Clip "Synthesis Mapping\ca1870\Channels_ca1870" Boundaries\Boundary_MarkWestHE
"Q:\Historical Ecology\GIS\Laguna de Santa Rosa\GIS
Data\MarkWest_HE.gdb\Channels_ca1870_clip" #
```

INCLUDE IN LINEAGE WHEN EXPORTING METADATA No

Hide Geoprocessing history ▲

Distribution ►

DISTRIBUTION FORMAT

* NAME File Geodatabase Feature Class

Hide Distribution ▲

Fields ►

DETAILS FOR OBJECT **Mainstem_Channels_ca1850_70** ►

* TYPE Feature Class

* ROW COUNT 34

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 Interp_Cert ►

* ALIAS Interp_Cert
* DATA TYPE String
* WIDTH 3
* PRECISION 0
* SCALE 0

Hide Field Interp_Cert ▲

FIELD Shape_Cert ►

* ALIAS Shape_Cert
* DATA TYPE String
* WIDTH 3
* PRECISION 0
* SCALE 0

Hide Field Shape_Cert ▲

FIELD Loc_Cert ►

* ALIAS Loc_Cert
* DATA TYPE String
* WIDTH 3
* PRECISION 0
* SCALE 0

Hide Field Loc_Cert ▲

FIELD Notes ►

* ALIAS Notes
* DATA TYPE String
* WIDTH 254

* PRECISION 0
 * SCALE 0

Hide Field Notes ▲

FIELD **S_Digitize** ►

* ALIAS S_Digitize
 * DATA TYPE String
 * WIDTH 254
 * PRECISION 0
 * SCALE 0

Hide Field S_Digitize ▲

FIELD **S_Interp1** ►

* ALIAS S_Interp1
 * DATA TYPE String
 * WIDTH 254
 * PRECISION 0
 * SCALE 0

Hide Field S_Interp1 ▲

FIELD **S_Interp2** ►

* ALIAS S_Interp2
 * DATA TYPE String
 * WIDTH 254
 * PRECISION 0
 * SCALE 0

Hide Field S_Interp2 ▲

FIELD **Name** ►

* ALIAS Name
 * DATA TYPE String
 * WIDTH 50
 * PRECISION 0
 * SCALE 0

Hide Field Name ▲

FIELD **Source_Quotes** ►

* ALIAS Source_Quotes
 * DATA TYPE String
 * WIDTH 254
 * PRECISION 0
 * SCALE 0

Hide Field Source_Quotes ▲

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 ▲](#)

[Hide Details for object Mainstem_Channels_ca1850_70 ▲](#)

[Hide Fields ▲](#)

Metadata Details ►

* METADATA LANGUAGE English (UNITED STATES)

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

* LAST UPDATE 2014-06-09

ARCGIS METADATA PROPERTIES

METADATA FORMAT ArcGIS 1.0
METADATA STYLE FGDC CSDGM Metadata
STANDARD OR PROFILE USED TO EDIT METADATA ItemDescription

CREATED IN ARCGIS FOR THE ITEM 2014-05-29 13:22:11
LAST MODIFIED IN ARCGIS FOR THE ITEM 2014-06-09 11:22:31

AUTOMATIC UPDATES

HAVE BEEN PERFORMED Yes
LAST UPDATE 2014-06-09 11:22:31

[Hide Metadata Details ▲](#)

Metadata Contacts ►

METADATA CONTACT

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ORGANIZATION'S NAME San Francisco Estuary Institute
CONTACT'S POSITION GIS Specialist
CONTACT'S ROLE originator

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LOCATION www.sfei.org
FUNCTION PERFORMED download

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[Hide Metadata Contacts ▲](#)

FGDC Metadata (read-only) ▼