Metadata File — Vector Sample

Identification_Information:

Citation:

Citation_Information:

Originator: United States Department of Commerce, National Oceanic and Atmospheric Administration (NOAA), National Ocean Service (NOS), National Geodetic Survey (NGS)

Publication_Date: 20000607

Title: Vectorized Shoreline of Sacramento and San Joaquin Rivers (Project CM-7823) Derived from NOAA NOS Coastal Survey Maps Developed from 1979 Source Data

Edition: First

Geospatial_Data_Presentation_Form: Map

Publication_Information:

Publication_Place: Silver Spring, Maryland

Publisher: U.S. Department of Commerce, National Oceanic and Atmospheric Administration, National Ocean Service

Other_Citation_Details: This shoreline data represents a vector conversion of a set of NOS raster shoreline maps (often called t-sheet or tp-sheet maps). These vector data were created by contractors to NOS who vectorized georeferenced raster maps using Environmental Systems Research Institute, Inc. (ESRI) (r), ArcInfo's (r) ArcScan (r) software to create individual ArcInfo coverages. The individual coverages were ultimately edge-matched and appended together to form this regionwide coverage.

Online_Linkage: Unknown

Larger_Work_Citation:

Citation_Information:

Originator: U.S. Department of Commerce, National Oceanic and Atmospheric Administration, National Environmental Satellite, Data, and Information Service (NESDIS) and National Ocean Service

Publication_Date: Unknown

Title: Shoreline Data Rescue Project

Other_Citation_Details:

The NOAA NESDIS Environmental Data Rescue Program (EDRP) funded this project. The data were created by the National Ocean Service, National Geodetic Survey (previously the National Ocean Survey) as part of its ongoing mission to map the coastline of the United States. The NOAA National Ocean Service, Coastal Services Center, developed the procedures used in this project and was responsible for project oversight. The project intent was to rescue valuable historical data and make it accessible and useful to the coastal mapping community. This process involved the conversion of original analog products to digital mapping products. This file is a further conversion of that product from a raster to a vector product that may be useful for Electronic Charting and Display Information Systems (ECDIS) and geographic information systems (GIS).

Description:

Abstract: These data were automated to provide a suitable geographic information system (GIS) data layer depicting the historical shoreline for Sacramento and San Joaquin Rivers, California. These data are derived from shoreline maps that were produced by the NOAA National Ocean Service including its predecessor agencies.

Purpose: Shoreline spatial data are considered a crucial element in land use planning, determination of boundary extents, performing change analysis for erosion and accretion studies, and other types of decision making.

Supplemental_Information: <http://mapfinder.nos.noaa.gov/>

Time_Period_of_Content:

Time_Period_Information:

Range_of_Dates/Times:
Beginning_Date: 19790401
Ending_Date: 19790401

Currentness_Reference: Publication date

Status:

Progress: Complete

Maintenance_and_Update_Frequency: Unknown

Spatial_Domain:

Bounding_Coordinates:

West_Bounding_Coordinate: -122.201
East_Bounding_Coordinate: -121.701
North_Bounding_Coordinate: 38.333
South_Bounding_Coordinate: 38.000

Keywords:

Theme:

Theme_Keyword_Thesaurus: None
Theme_Keyword: Shoreline map
Theme_Keyword: Coastal base map
Theme_Keyword: Coastal zone map
Theme_Keyword: Shoreline
Theme_Keyword: Vectorization
Theme_Keyword: Shoreline vectorization
Theme_Keyword: Shoreline data
Theme_Keyword: T-sheet
Theme_Keyword: Tp-sheet
Theme_Keyword: CM-7823

Place:

Place_Keyword_Thesaurus: None
Place_Keyword: California
Place_Keyword: Suisan Bay
Place_Keyword: San Joaquin River
Place_Keyword: Sacramento River

Access_Constraints: None

Use_Constraints: These data were generated for use by NGS during the course of its development of potential final products to fulfill its statutory mission. Although NGS is making these data available to others who may find the data of value, NGS does not warrant, endorse, or recommend the use of these data for any given purpose. The user assumes the entire risk related to the use of these data. These data are not for navigational purposes. NGS is providing these data "as is," and NGS disclaims any and all warranties, whether expressed or implied, including (without limitation) any implied warranties of merchantability or fitness for a particular purpose. In no event will NGS be liable to you or to any third party for any direct, indirect, incidental, consequential, special, or exemplary damages or lost profits resulting from any use or misuse of these data.

Point_of_Contact:

Contact_Information:

Contact_Organization_Primary:

Contact_Organization: U.S. Department of Commerce, National Oceanic and Atmospheric Administration, National Ocean Service, National Geodetic Survey, Information Services Branch

Contact_Position: Senior cartographer

Contact_Address:

Address_Type: Mailing and physical address

Address: 1315 East-West Highway

City: Silver Spring

State_or_Province: Maryland

Postal_Code: 20910-3282

Country: USA

Contact_Voice_Telephone: (301) 713-3226

Contact_Facsimile_Telephone: (301) 713-4176

Contact_Electronic_Mail_Address: info_center@ngs.noaa.gov

Hours_of_Service: Monday through Friday, 7:00 a.m. to 4:30 p.m., Eastern Standard Time

Native_Data_Set_Environment: Sun Microsystems (r) workstation using Environmental Systems Research Institute, Inc. (ESRI) (r) ArcInfo (r) version 7.2.1

Data_Quality_Information:

Attribute_Accuracy:

Attribute_Accuracy_Report: The attribute accuracy was tested by creating checkplots of the coded linework. The different codes depict shoreline, piers, dikes, jetties, breakwaters, and groins. A light table review of the checkplots would reveal any inaccurate coding. Mistakes would be identified and corrected until accurate checkplots were produced. The feature codes (f-codes) are identified as follows: approximate shoreline (1); apparent shoreline (3); shoreline plane of reference (SPOR) (7); dike or levee (25); jetty, breakwater, or groin (27); pier, ramp, or dock (30); general class for man-made objects that form a shore or waterline to include - wells or oil platforms, wrecks, locks, dry docks, revetments, seawalls, wharves, marine railroads, or shorelines of seaplane bases or anchorages (38); control point or shoreline map correction line (139); map extent line (-1000); user added arc (-9999)

Logical_Consistency_Report: Linework was vectorized to the neatline of the shoreline map. All data crossing the neatline was clipped to the neatline. All arcs were snapped by the nodes to create consistently tied strings without node dangles.

Completeness_Report: These shoreline data adequately represented the shoreline at the time of the survey.

Positional_Accuracy:

Horizontal_Positional_Accuracy:

Horizontal_Positional_Accuracy_Report: Vector data derived from rectified raster images of NOS coastal survey maps using ArcInfo processing software. These shoreline data are referenced to NAD83. Vector shoreline was extracted from map images adequately representing the shoreline shown on original NOS source surveys.

Vertical_Positional_Accuracy:

Vertical_Positional_Accuracy_Report: None

Lineage:

Source_Information:

Source_Citation:

Citation_Information:

Originator: U.S. Department of Commerce, National Oceanic and Atmospheric Administration, National Ocean Service, National Geodetic Survey

Publication_Date: 20000607

Title: Georeferenced Scanned Shoreline Maps of Sacramento and San Joaquin Rivers, California (Project CM-7823) Derived from NOAA NOS Coastal Survey Maps Developed from 1979-1979 Source Data

Edition: First

Geospatial_Data_Presentation_Form: Map

Publication_Information:

Publication_Place: Silver Spring, Maryland

Publisher: U.S. Department of Commerce, National Oceanic and Atmospheric Administration, National Ocean Service, National Geodetic Survey

Online_Linkage: < http://mapfinder.nos.noaa.gov/>

Source_Scale_Denominator: 20,000

Type_of_Source_Media: Map manuscript

Source_Time_Period_of_Content:

Time_Period_Information:

Range_of_Dates/Times:
Beginning_Date: 19790401
Ending_Date: 19790401

Source_Currentness_Reference: Publication date

Source_Citation_Abbreviation: CM-7823

Source_Contribution: Used as backdrop for shoreline vectorization effort

Process_Step:

Process_Description: During the vectorization process, all adjoining shoreline maps in the project are displayed on a computer screen and the shoreline is traced and coded appropriately. Maps within a project generally adjoin and, therefore, there is significant agreement of linework across the borders of the shoreline maps. This results in fewer errors related to the edge-matching process. Polygon labels and attributes are assigned to features containing area so that users may shade the data to determine land, water, or man-made features. All lines are coded with the feature code (f-code) value, a feature name (f-name), the shoreline map number (t/tp-sheet#), the project number (index#), the scale of the shoreline map, the survey date, and the date the spatial data were captured.

Process_Date: 20000607

Process_Contact:

Contact_Information:

Contact_Organization_Primary:

Contact_Organization: Techni Graphic Systems, Inc.

Contact_Position: Production manager

Contact_Address:

Address_Type: Mailing and physical address

Address: 2301 Research Blvd., Suite 101

City: Ft. Collins

State_or_Province: Colorado

Postal_Code: 80526

Country: USA

Contact_Voice_Telephone: (970) 224-4996

Contact_Facsimile_Telephone: (970) 224-3001

Contact_Electronic_Mail_Address: meishag@tgstech.com

Hours_of_Service: Monday through Friday, 8 a.m. to 5 p.m., Mountain Standard Time

Spatial_Data_Organization_Information:

Direct_Spatial_Reference_Method: Vector

Point_and_Vector_Object_Information:

SDTS_Terms_Description:

SDTS_Point_and_Vector_Object_Type: Complete chain

Point_and_Vector_Object_Count: 1676

Spatial_Reference_Information:

Horizontal_Coordinate_System_Definition:

Geographic:

Latitude_Resolution: 0.0000001

Longitude_Resolution: 0.0000001

Geographic_Coordinate_Units: Decimal degrees

Geodetic_Model:

Horizontal_Datum_Name: North American Datum of 1983

Ellipsoid_Name: Geodetic Reference System 1980

Semi-major_Axis: 6,378,137

Denominator_of_Flattening_Ratio: 298.257

Entity_and_Attribute_Information:

Detailed_Description:

Entity_Type:

Entity_Type_Label: cm7823.aat

Entity_Type_Definition: Arc attribute table

Entity_Type_Definition_Source: None

Attribute:

Attribute_Label: Fnode#

Attribute_Definition: From-node identifier of linear feature

Attribute_Definition_Source: Software generated

Attribute_Domain_Values:

Unrepresentable_Domain: Software computed

Attribute:

Attribute_Label: Tnode#

Attribute_Definition: To-node identifier of linear feature

Attribute_Definition_Source: Software generated

Attribute_Domain_Values:

Unrepresentable_Domain: Software computed

Attribute:

Attribute_Label: Lpoly#

Attribute_Definition: Internal number of polygon to left of arc

Attribute_Definition_Source: Software generated

Attribute_Domain_Values:

Unrepresentable_Domain: Software computed

Attribute:

Attribute_Label: Rpoly#

Attribute_Definition: Internal number of polygon to right of arc

Attribute_Definition_Source: Software generated

Attribute_Domain_Values:

Unrepresentable_Domain: Software computed

Attribute:

Attribute_Label: Length

Attribute_Definition: Length of line

Attribute_Definition_Source: Software generated

Attribute_Domain_Values:

Unrepresentable_Domain: Software computed

Attribute:

Attribute_Label: cm7823#

Attribute_Definition: Internal feature number

Attribute_Definition_Source: Software generated

Attribute_Domain_Values:

Unrepresentable_Domain: Software computed

Attribute:

Attribute_Label: cm7823-id

Attribute_Definition: Feature identification number

Attribute_Definition_Source: Software generated

Attribute_Domain_Values:

Unrepresentable_Domain: User defined

Attribute:

Attribute_Label: F-code

Attribute_Definition: Shoreline feature code

Attribute_Definition_Source: User defined

Attribute_Domain_Values:

Enumerated_Domain:

Enumerated_Domain_Value: -9999

Enumerated_Domain_Value_Definition: User added arc

Enumerated_Domain_Value_Definition_Source: NOAA NOS

Enumerated_Domain:

Enumerated_Domain_Value: -1000

Enumerated_Domain_Value_Definition: Map extent line

Enumerated_Domain_Value_Definition_Source: NOAA NOS

Enumerated_Domain:

Enumerated_Domain_Value: 1

Enumerated_Domain_Value_Definition: Approximate shoreline

Enumerated_Domain_Value_Definition_Source: NOAA NOS

Enumerated_Domain:

Enumerated_Domain_Value: 3

Enumerated_Domain_Value_Definition: Apparent shoreline

Enumerated_Domain_Value_Definition_Source: NOAA NOS

Enumerated_Domain:

Enumerated_Domain_Value: 7

Enumerated_Domain_Value_Definition: Shoreline plane of reference (SPOR)

Enumerated_Domain_Value_Definition_Source: NOAA NOS

Enumerated_Domain:

Enumerated_Domain_Value: 25

Enumerated_Domain_Value_Definition: Dike or levee

Enumerated_Domain_Value_Definition_Source: NOAA NOS

Enumerated_Domain:

Enumerated_Domain_Value: 27

Enumerated_Domain_Value_Definition: Jetty, breakwater, or groin

Enumerated_Domain_Value_Definition_Source: NOAA NOS

Enumerated_Domain:

Enumerated_Domain_Value: 30

Enumerated_Domain_Value_Definition: Pier, ramp, or dock

Enumerated_Domain_Value_Definition_Source: NOAA NOS

Enumerated_Domain:

Enumerated_Domain_Value: 38

Enumerated_Domain_Value_Definition: General class for man-made objects that form a shore or waterline to include wells or oil platforms, wrecks, locks, dry docks, revetments, seawalls, wharves, or shorelines of seaplane bases or anchorages

Enumerated_Domain_Value_Definition_Source: NOAA NOS

Enumerated_Domain:

Enumerated_Domain_Value: 139

Enumerated_Domain_Value_Definition: Control point or shoreline map correction line

Enumerated_Domain_Value_Definition_Source: NOAA NOS

Attribute:

Attribute_Label: F-name

Attribute_Definition: Shoreline feature name

Attribute_Definition_Source: User defined

Attribute_Domain_Values:

Enumerated_Domain:

Enumerated_Domain_Value: User added line

Enumerated_Domain_Value_Definition: Lines which are added to the vector coverage by the data entry operator and do not appear on the source map. Reasons for the added lines vary. The most common reason is that double-banked streams may abruptly stop on the source map due to lack of aerial photography. In order for polygons to be made and distinction given to areas of water vs. land, the "dangling" ends of these streams must be connected together by an arbitrary "phantom" line that holds no special meaning.

Enumerated_Domain_Value_Definition_Source: NOAA NOS

Enumerated_Domain:

Enumerated_Domain_Value: Neatline

Enumerated_Domain_Value_Definition: Lines that represent the bounding area of a shoreline map. These are collected so that all areas may contain a polygon label point that determines if the area is land, water, or man-made.

Enumerated_Domain_Value_Definition_Source: NOAA NOS

Enumerated_Domain:

Enumerated_Domain_Value: Approx. shore

Enumerated_Domain_Value_Definition: Linework that represents the approximate location of shoreline on the source map. This is assigned to linework that may be obscured by man-made features such as bridges or large piers. The data entry operator does not have an actual line to vectorize from the source map, but can make a "highly educated guess" as to the actual location of the line.

Enumerated_Domain_Value_Definition_Source: NOAA NOS

Enumerated_Domain:

Enumerated_Domain_Value: Apparent shore

Enumerated_Domain_Value_Definition: Linework that represents the shoreline that would appear to a mariner and the location of the shoreline shown on the source map. This is assigned to linework when the natural shoreline is obscured by vegetation.

Enumerated_Domain_Value_Definition_Source: NOAA NOS

Enumerated_Domain:

Enumerated_Domain_Value: SPOR

Enumerated_Domain_Value_Definition: Linework that represents the "Shoreline Plane of Reference" or SPOR on the source map. This is assigned to linework that delineates natural and man-made shoreline.

Enumerated_Domain_Value_Definition_Source: NOAA NOS

Enumerated_Domain:

Enumerated_Domain_Value: Dike or levee

Enumerated_Domain_Value_Definition: Linework that represents a dike or levee on the source map.

Enumerated_Domain_Value_Definition_Source: NOAA NOS

Enumerated_Domain:

Enumerated_Domain_Value: Jetty, breakwater, or groin

Enumerated_Domain_Value_Definition: Linework that represents a jetty, breakwater, or groin on the source map.

Enumerated_Domain_Value_Definition_Source: NOAA NOS

Enumerated_Domain:

Enumerated_Domain_Value: Pier, ramp, or dock

Enumerated_Domain_Value_Definition: Linework that represents a pier, ramp, or dock on the source map.

Enumerated_Domain_Value_Definition_Source: NOAA NOS

Enumerated_Domain:

Enumerated_Domain_Value: Gen. manmade object

Enumerated_Domain_Value_Definition: Linework that represents various types of man-made objects on the source map. This is assigned to man-made objects that appear along shorelines that may include wells or oil platforms, wrecks, locks, dry docks, revetments, seawalls, wharves, marine railroads, or shorelines of seaplane bases or anchorages.

Enumerated_Domain_Value_Definition_Source: NOAA NOS

Enumerated_Domain:

Enumerated_Domain_Value: Control point

Enumerated_Domain_Value_Definition: Linework that represents the location of a geodetic control point placed by the NOAA NOS National Geodetic Survey. The representative triangle symbol vectorized from the source map illustrates the location of the control point in the center of the triangle with the name of the control point annotated on the source map.

Enumerated_Domain_Value_Definition_Source: NOAA NOS

Attribute:

Attribute_Label: Tsheet#

Attribute_Definition: Map number

Attribute_Definition_Source: User defined

Attribute_Domain_Values:

Unrepresentable_Domain: Character field

Attribute:

Attribute_Label: Scale

Attribute_Definition: Scale of source map

Attribute_Definition_Source: User defined

Attribute_Domain_Values:

Range_Domain:

Range_Domain_Minimum: 20000

Range_Domain_Maximum: 20000

Attribute:

Attribute_Label: Survey date

Attribute_Definition: Date of survey
Attribute_Definition_Source: User defined
Attribute_Domain_Values:
Range_Domain:
Range_Domain_Minimum: 19790401
Range_Domain_Maximum: 19790401
Attribute:
Attribute_Label: Gisdate
Attribute_Definition: Date of data capture
Attribute_Definition_Source: User defined
Attribute_Domain_Values:
Range_Domain:
Range_Domain_Minimum: 20000608
Range_Domain_Maximum: 20000608
Detailed_Description:
Entity_Type:
Entity_Type_Label: cm7823.pat
Entity_Type_Definition: Polygon attribute table
Entity_Type_Definition_Source: None
Attribute:
Attribute_Label: Area
Attribute_Definition: Measured area of polygon feature
Attribute_Definition_Source: Software generated
Attribute_Domain_Values:
Unrepresentable_Domain: Software computed
Attribute:
Attribute_Label: Perimeter
Attribute_Definition: Measured distance around polygon feature
Attribute_Definition_Source: Software generated
Attribute_Domain_Values:
Unrepresentable_Domain: Software computed
Attribute:
Attribute_Label: cm7823#
Attribute_Definition: Unique identifier of polygon
Attribute_Definition_Source: Software generated

Attribute_Domain_Values:

Unrepresentable_Domain: Software computed

Attribute:

Attribute_Label: cm7823-id

Attribute_Definition: Unique identifier of polygon

Attribute_Definition_Source: Software generated

Attribute_Domain_Values:

Unrepresentable_Domain: Software computed

Attribute:

Attribute_Label: F-name

Attribute_Definition: Shoreline feature name

Attribute_Definition_Source: User defined

Attribute_Domain_Values:

Enumerated_Domain:

Enumerated_Domain_Value: Water
Enumerated_Domain_Value_Definition: Polygon identifying area containing water
Enumerated_Domain_Value_Definition_Source: NOAA NOS

Enumerated_Domain:

Enumerated_Domain_Value: Land
Enumerated_Domain_Value_Definition: Polygon identifying area containing land
Enumerated_Domain_Value_Definition_Source: NOAA NOS

Enumerated_Domain:

Enumerated_Domain_Value: Manmade
Enumerated_Domain_Value_Definition: Polygon identifying area created by man (i.e. pier)
Enumerated_Domain_Value_Definition_Source: NOAA NOS

Distribution_Information:

Distributor:

Contact_Information:

Contact_Organization_Primary:

Contact_Organization: NOAA NOS National Geodetic Survey, Information Services Branch

Contact_Position: Senior cartographer

Contact_Address:

Address_Type: Mailing and physical address
Address: 1315 East-West Highway
City: Silver Spring
State_or_Province: Maryland
Postal_Code: 20910-3282

Country: USA

Contact_Voice_Telephone: (301) 713-3226
Contact_Facsimile_Telephone: (301) 713-4176
Contact_Electronic_Mail_Address: info_center@ngs.noaa.gov
Hours_of_Service: Monday through Friday, 7 a.m. to 4:30 p.m., Eastern Standard Time

Distribution_Liability: Not intended for navigational purposes

Standard_Order_Process:

Digital_Form:

Digital_Transfer_Information:

Format_Name: ESRI shapefile

Digital_Transfer_Option:

Offline_Option:

Offline_Media: CD-ROM

Recording_Format: ISO 9660

Compatibility_Information:

ISO 9660 format allows the CDROM

to be read by most computer operating systems.

Fees: none

Metadata_Reference_Information:

Metadata_Date: 20000619

Metadata_Review_Date: 20000619

Metadata_Contact:

Contact_Information:

Contact_Organization_Primary:
Contact_Organization: NOAA NOS National Geodetic Survey, Information Services Branch
Contact_Position: Information specialist
Contact_Address:

Address_Type: Mailing and physical address
Address: 1315 East-West Highway
City: Silver Spring
State_or_Province: Maryland
Postal_Code: 20910-3282
Country: USA
Contact_Voice_Telephone: (301) 713-3242
Contact_Facsimile_Telephone: (301) 713-4172
Contact_Electronic_Mail_Address: info_center@ngs.noaa.gov

Hours_of_Service: Monday through Friday, 7 a.m. to 4:30 p.m., Eastern Standard Time

Metadata_Standard_Name: FGDC CSDGM

Metadata_Standard_Version: FGDC-STD-001-1998