Trends in Flood Magnitude - Negative

File Geodatabase Feature Class



Tags

Trend Magnitude, Direction, Flooding, Annual, Magnitude, 1920, 2008

Summary

This dataset displays trend magnitude (triangle size) and direction (brown = decreasing trend) of annual flood magnitude from the 1920s through 2008.

Description

Trend magnitude (triangle size) and direction (green = increasing trend, brown = decreasing trend) of annual flood magnitude from the 1920s through 2008. Flooding in local areas can be affected by multiple factors, including land-use change, dams, and diversions of water for use. Most significant are increasing trends for floods in Midwest and Northeast, and a decreasing trend in the Southwest.

Credits

Peterson et al. 2013

Use limitations

There are no access and use limitations for this item.

Extent

West -115.087360 East -71.506178

North 48.427205 South 28.736644

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 Trends in Flood Magnitude - Negative
CREATION DATE 2013-11-06 00:00:00
PUBLICATION DATE 2015-05-01 00:00:00

PRESENTATION FORMATS * digital map

Hide Citation ▲

Citation Contacts ►

RESPONSIBLE PARTY
INDIVIDUAL'S NAME Peterson et al. 2013
CONTACT'S ROLE owner

Hide Citation Contacts ▲

Resource Details ▼

Extents ►

EXTENT
GEOGRAPHIC EXTENT
BOUNDING RECTANGLE
EXTENT TYPE Extent used for searching
* WEST LONGITUDE -115.087360
* EAST LONGITUDE -71.506178
* NORTH LATITUDE 48.427205
* SOUTH LATITUDE 28.736644
* EXTENT CONTAINS THE RESOURCE Yes

EXTENT IN THE ITEM'S COORDINATE SYSTEM
* WEST LONGITUDE -12811466.367602
* EAST LONGITUDE -7960031.379193
* SOUTH LATITUDE 3342169.264974
* NORTH LATITUDE 6178223.089602
* EXTENT CONTAINS THE RESOURCE Yes

Hide Extents ▲

Resource Maintenance ►

RESOURCE MAINTENANCE
UPDATE FREQUENCY not planned

Hide Resource Maintenance ▲

Spatial Reference ►

ARCGIS COORDINATE SYSTEM
* TYPE Projected
* GEOGRAPHIC COORDINATE REFERENCE GCS_WGS_1984
* PROJECTION WGS_1984_Web_Mercator_Auxiliary_Sphere
* COORDINATE REFERENCE DETAILS
PROJECTED COORDINATE SYSTEM
WELL-KNOWN IDENTIFIER 102100
X ORIGIN -22041545.196626503

Y ORIGIN -33272760.666300893
XY SCALE 135368852.55357128
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 3857
WELL-KNOWN TEXT PROJCS["WGS_1984_Web_Mercator_Auxiliary_Sphere",GEOGCS["GCS_WGS_1984",DATUM["D_WGS_1984",SPHEROID["WGS_1984",6378137.0,298.257223563]],PRIMEM["Greenwich",0.0],UNIT["Degree",0.0174532925199433]],PROJECTION["Mercator_Auxiliary_Sphere"],PARAMETER["False_Easting",0.0],PARAMETER["False_Northing",0.0],PARAMETER["Central_Meridian",0.0],PARAMETER["Standard_Parallel_1",0.0],PARAMETER["Auxiliary_Sphere_Type",0.0],UNIT["Meter",1.0],AUTHORITY["EPSG",3857]]

REFERENCE SYSTEM IDENTIFIER
* VALUE 3857
* 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 negative_trends_flood_magnitude_usgs
* OBJECT TYPE point
* OBJECT COUNT 67

Hide Vector ▲

ARCGIS FEATURE CLASS PROPERTIES ►
FEATURE CLASS NAME negative_trends_flood_magnitude_usgs
* FEATURE TYPE Simple
* GEOMETRY TYPE Point
* HAS TOPOLOGY FALSE
* FEATURE COUNT 67
* SPATIAL INDEX TRUE
* LINEAR REFERENCING FALSE

Hide ArcGIS Feature Class Properties ▲

Hide Spatial Data Properties ▲

Geoprocessing history ▼

Distribution ►

DISTRIBUTION FORMAT
* NAME File Geodatabase Feature Class

Hide Distribution ▲

Fields ►

DETAILS FOR OBJECT negative_trends_flood_magnitude_usgs ►
* TYPE Feature Class
* ROW COUNT 67

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 USGS_Station_Number ►
* ALIAS USGS_Station_Number
* DATA TYPE String
* WIDTH 255
* PRECISION 0
* SCALE 0
FIELD DESCRIPTION
USGS Station Number

DESCRIPTION SOURCE
Peterson et al. 2013

Hide Field USGS_Station_Number ▲

FIELD Location ►
* ALIAS Location
* DATA TYPE String
* WIDTH 255
* PRECISION 0
* SCALE 0
FIELD DESCRIPTION
Location Name

DESCRIPTION SOURCE
Peterson et al. 2013

Hide Field Location ▲

FIELD State ►
* ALIAS State
* DATA TYPE String
* WIDTH 255
* PRECISION 0
* SCALE 0
FIELD DESCRIPTION
State Abbreviation

DESCRIPTION SOURCE
Peterson et al. 2013

Hide Field State ▲

FIELD Latitude ►
* ALIAS Latitude
* DATA TYPE Double
* WIDTH 8
* PRECISION 0
* SCALE 0
FIELD DESCRIPTION
Latitude

DESCRIPTION SOURCE
Peterson et al. 2013

Hide Field Latitude ▲

FIELD Longitude ►
* ALIAS Longitude
* DATA TYPE Double
* WIDTH 8
* PRECISION 0
* SCALE 0
FIELD DESCRIPTION
Longitude

DESCRIPTION SOURCE
Peterson et al. 2013

Hide Field Longitude ▲

FIELD Drainage_Area_sq_km ►
* ALIAS Drainage_Area_sq_km
* DATA TYPE Double
* WIDTH 8
* PRECISION 0
* SCALE 0
FIELD DESCRIPTION
Drainage Area (Square Kilometers)

DESCRIPTION SOURCE
Peterson et al. 2013

Hide Field Drainage_Area_sq_km ▲

FIELD Record_Length ►
* ALIAS Record_Length
* DATA TYPE Double
* WIDTH 8
* PRECISION 0
* SCALE 0
FIELD DESCRIPTION
Record Length

DESCRIPTION SOURCE
Peterson et al. 2013

Hide Field Record_Length ▲

FIELD Estimate_Beta1 ►
* ALIAS Estimate_Beta1
* DATA TYPE Double
* WIDTH 8
* PRECISION 0
* SCALE 0
FIELD DESCRIPTION
Estimate of B1

DESCRIPTION SOURCE
Peterson et al. 2013

Hide Field Estimate_Beta1 ▲

FIELD Two_Sided_Attained_Significance_Level ►
* ALIAS Two_Sided_Attained_Significance_Level
* DATA TYPE Double
* WIDTH 8
* PRECISION 0
* SCALE 0
FIELD DESCRIPTION
Two-Sided Attained Significance Level

DESCRIPTION SOURCE
Peterson et al. 2013

Hide Field Two_Sided_Attained_Significance_Level ▲

FIELD Estimate_Beta1_Complex_Model ►
* ALIAS Estimate_Beta1_Complex_Model
* DATA TYPE Double
* WIDTH 8
* PRECISION 0
* SCALE 0
FIELD DESCRIPTION
Estimate B1 Complex Model

DESCRIPTION SOURCE

Peterson et al. 2013

Hide Field Estimate_Beta1_Complex_Model ▲

FIELD Attained_Signficance_Level_Model_Comparison ►
* ALIAS Attained_Signficance_Level_Model_Comparison
* DATA TYPE Double
* WIDTH 8
* PRECISION 0
* SCALE 0
FIELD DESCRIPTION
Attained Significance Level for Model Comparison

DESCRIPTION SOURCE
Peterson et al. 2013

Hide Field Attained_Signficance_Level_Model_Comparison ▲

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 Percent ►
* ALIAS Percent
* DATA TYPE Double
* WIDTH 8
* PRECISION 0
* SCALE 0
FIELD DESCRIPTION
Change per Decade (%)

DESCRIPTION SOURCE
Argonne National Laboratory

Hide Field Percent ▲

Hide Details for object negative_trends_flood_magnitude_usgs ▲

Hide Fields ▲

Metadata Details ►

* Metadata language English (UNITED STATES)

Scope of the data described by the metadata * dataset
Scope name * dataset

* Last update 2015-05-01

ArcGIS metadata properties
Metadata format ArcGIS 1.0
Metadata style FGDC CSDGM Metadata
Standard or profile used to edit metadata FGDC

Created in ArcGIS for the item 2015-04-17 14:26:38
Last modified in ArcGIS for the item 2015-05-01 14:46:24

Automatic updates
Have been performed Yes
Last update 2015-05-01 14:46:24

Hide Metadata Details ▲

Metadata Contacts ►

Metadata contact
Individual's name Kevin Hlava
Organization's name Argonne National Laboratory
Contact's position GIS Assistant/Specialist
Contact's role user

Contact information ►
Phone
Voice 630-252-0060

Address
Type both
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City Lemont
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Country US
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Hide Contact information ▲

Hide Metadata Contacts ▲

Thumbnail and Enclosures ►

Thumbnail
Thumbnail type JPG

Hide Thumbnail and Enclosures ▲

FGDC Metadata (read-only) T