**Sample Dataset metadata:**

**basic:**

**title:** "Precipitation Frequency for Texas, USA - NOAA Atlas 14 Volume 11"

**description:** " This GIS grid atlas contains precipitation frequency estimates for Texas State based on precipitation data collected between 1833-2017. This atlas supersedes information in Technical Memorandum NWS Hydro 35, published in 1977, Technical Paper 40, published in 1961, and Technical Paper 49,published in 1964. The grids provide information for durations from 5 minutes through 60 days, and for return periods of 1 year through 1000 years."

**purpose:** " Precipitation frequency (PF) estimates are used as basic design criteria for a wide variety of hydraulic structures such as culverts, roadway drainages, bridges and small dams. This dataset is for the display and/or analyses of spatially distributed point PF estimates."

**creator:** "NOAA"

**create-date:** 20180926

**keyword-term:** Atmosphere, Precipitation, Precipitation Frequency, Vertical Location, Ground Layer

**update-frequency:**

**use-constraint:** no restrictions apply and data is public domain.

**contact:**

**contact-affiliation:** “NOAA/NWS/Office of Water Prediction (formerly Office of Hydrologic Development”

point of contact

**contact-department:** “Hydrometeorological Design Studies Center”

**contact-email:** “hdsc.questions@noaa.gov”

**contact-name:**

**contact-phone-number:**

**spatial-information:**

**spatial-data-type:** raster

**spatial-extent-decimal-degrees:** -106.6542(W), -93.4964(E), 36.5121 (N), 25.8292 (S)

**boundary-name:** Texas State

**horizontal coordinate system:** WGS\_1984\_World\_Mercator, WKID=3395

**models:**

**model-software-name:**

**model-software-version:**

**model-type:**

**model-input:**

**model-output:**

**model-config-file:**

**Sample Model metadata:**

**basic:**

**region:** CENTRAL

**HUC:‘**120701040404’

  c**ity:** Sugar Land

**county:** Fort Bend

**title:** "Central\_BigCreek\_UpperMiddleOyster\_25pct\_HEC-HMSv410"

**description:** "This is a hydrologic model < More descriptive text >"

**purpose:** "This is a hydrologic model run to determine outflow and combined inflow for various basin elements in BigCreek and Upper Middle OysterCreek < what information does this model provide > "

**creator:** ""

**keyword-term:** BigCreek, OysterCreek, Precipitation, hydrologic, frequency analysis, HEC-HMS, < what would someone use to search >

**update-frequency:**

**use-constraint:**

**contact:**

**contact-affiliation:**

**contact-department:**

**contact-email:**

**contact-name:**

**contact-phone-number:**

**spatial-information:**

**spatial-data-type:**

**spatial-extent-decimal-degrees:**

**boundary-name:**

**horizontal coordinate system:** WGS\_1984\_World\_Mercator, WKID=3395

**models:**

**model-software-name:** HEC-HMS

**model-software-version:**4.10

**model-type:** Hydrologic

**model-input:** precipitation data, basin/sub-basin data, reference shapefiles for water-shed boundaries, observed data for comparison, rain gauge/stream gauge etc.

**model-output:** Time-series outflow, and combined inflow for basin elements

**model-scenarios:** frequency analysis, historical hindcast analysis