A logo with text on it

AI-generated content may be incorrect.

* + 1. **BASIC INFORMATION**

|  |  |
| --- | --- |
| Data Card ID Number | *DC-01* |
| Dataset Name | USGS High Water Mark Dataset (Flood Event Viewer) |
| Dataset Version | *August 2025 Download* |
| Persistent Identifier | *https://dx.doi.org/10.3133/tm3A24* |
| Outputs Supported | *Koenig, T.A., Bruce, J.L., O’Connor, J.E., McGee, B.D., Holmes, R.R., Jr., Hollins, Ryan, Forbes, B.T., Kohn, M.S., Schellekens, M.F., Martin, Z.W., and Peppler, M.C., 2016, Identifying and preserving high-water mark data: U.S. Geological Survey Techniques and Methods, book 3, chap. A24, 47 p., https://dx.doi.org/10.3133/tm3A24.* |
| Data Card Author | *Koenig, T.A. et al.* |

* + 1. **DATASET OVERVIEW**

|  |  |
| --- | --- |
| Dataset Owners and Publishers | *U.S. Geological Survey (USGS)* |
| Source and Acquisition Method | ☐ Primary dataset from digital sources or automated extraction  X Primary dataset from direct measurements or observations  ☐ Primary dataset from simulation or synthetic methods  ☐ Secondary dataset (from external source) |
| Terms of Use, or Data Sharing Agreement | X Repository: *(USGS STN Flood Event Data Download https://stn.wim.usgs.gov/STNDataPortal/#)*  ☐ Project-specific storage: *(Describe location)* |
| Storage Location | X Open  ☐ Embargoed: *(Describe release timeline)*  ☐ Restricted: *(Describe access criteria)* |

1. **DATASET CHARACTERISTICS**

|  |  |
| --- | --- |
| Data Subjects | X Natural phenomena (e.g., weather patterns, water levels)  ☐ Objects (e.g., buildings, infrastructure, vehicles)  ☐ People (e.g., demographic data, survey responses)  ☐ Places (e.g., geographical region, urban area)  ☐ Systems (e.g., transport networks, ecological interactions)  ☐ Other: *(Specify)* |
| Dataset Size | *(File size, number of records, variables, resolution etc.)* |
| Spatial Data | X Yes  ☐ No |
| Data Modality | ☐ Graph  ☐ Image  X Tabular  ☐ Text  ☐ Time series  ☐ Multimodal: *(Specify)*  ☐ Other: *(Specify)* |
| Variables | Site Number  Site Description  Latitude  Longitude  Horizontal Datum  Horizontal Collection Method  Address  City  State  ZIP Code  County  Waterbody  Drainage Area (sq mi)  Station ID for USGS gage  Station ID for NOAA gage  Other Station ID  HWM Label  Provisional or Approved  Event  HWM Type  Marker Stake  HWM Environment  HWM Quality  Bank  Location Description  Height above ground  Flag/Found Date  Surveyed Date  Surveyed Elevation  Vertical Datum  Vertical Collection Method  Survey Uncertainty  Notes  Tranquil/Stillwater HWM |

1. **PROVENANCE**

|  |  |
| --- | --- |
| Methods of Collection | ☐ API  ☐ Artificially generated  ☐ Crowdsourced – paid  ☐ Crowdsourced – volunteer  ☐ Scraped or crawled  ☐ Sensor based  X Surveys, forms, interviews, or polls  ☐ Other: *(Specify)* |
| More About Methods | *(Include sampling methods, criteria for inclusion and exclusion of data points, known limitations of methods)* |

1. **SENSITIVE DATA**

|  |  |
| --- | --- |
| Human Subject Identifiability | X None  ☐ Personally identifiable information  ☐ Pseudonymous data  ☐ Anonymous data |

1. **APPLICATIONS AND BENCHMARKS (only complete if dataset used for AI purposes)**

|  |  |
| --- | --- |
| Relevant AI Model(s) | *Random Forest Model and Feature Routing Model* |
| Use in AI | X Training  X Testing  X Validation  X Fine-tuning |
| Key AI Tasks | *Target variable* |