

Water Quality Monitoring Sites with N/P (STORET)

(Also referred to in the Nitrogen and Phosphorus Pollution Data Access Tool (NPDAT) as “Monitoring Sites with N/P from EPA STOrage and RETrieval Water Quality System (STORET)”)

Metadata:

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Identification_Information:

Citation:

Citation_Information:

Originator: US Environmental Protection Agency, STORET/WQX

Publication_Date: 20100701

Title:

Water Quality Monitoring Sites with N/P (STORET)

Edition: 20100701

Geospatial_Data_Presentation_Form: vector digital data

Publication_Information:

Publication_Place: Washington, DC

Publisher: U.S. Environmental Protection Agency

Online_Linkage: <http://gispub2.epa.gov/NPDAT>

Online_Linkage: <http://storetnwis.epa.gov/storetqw/portal.html>

Description:

Abstract:

(STORage and RETrieval database or STORET) — EPA's STORET Data Warehouse is a repository that compiles and provides public access to water quality monitoring data collected. These data include water

chemistry data, biological, and physical habitat data. The STORET Data Warehouse is used by state environmental agencies, EPA and other federal agencies, universities, private citizens, and many others for analysis. These organizations, including states, tribes, watershed groups, other federal agencies, volunteer groups and universities, submit data to the STORET Warehouse in order to make their data publicly accessible.

Purpose:

The water quality data stored in this database presents a snapshot in time so it is important to consider the "period of record" for data captured from any location. The data are of documented quality, meaning that a certain level of metadata, including where, how, why, when and what was monitored must be included with all data submissions. Each sampling result is accompanied by information on where the sample was taken (latitude, longitude, state, county, Hydrologic Unit Code (HUC) and a brief site identification), when the sample was gathered, the medium sampled (e.g., water, sediment, fish tissue), the name of the organization that sponsored the monitoring, why the data were gathered, sampling and analytical methods used, the laboratory used to analyze the samples, the quality control checks used when sampling, handling the samples, and analyzing the data, and the personnel responsible for the data.

Supplemental Information:

The following text and links explain the STORET Site and Result attributes retrieved using the Nitrogen and Phosphorus Pollution Data Access Tool (NPDAT).

A web service is a computer-to-computer protocol that allows for the direct sharing of information through the Internet. Web services provide the ability to combine data from USGS's NWIS and EPA's STORET systems. The services produce data formatted according to the Water Quality Exchange (WQX) Outbound XML schema, which has been developed collaboratively by EPA and USGS. Applications, such as Internet portals, can use the web services to access data from both NWIS and the STORET Warehouse without needing an authorized database connection.

Site and Result Service Data Elements:

Site Service output elements and definitions are listed in Table 4 and Result Service output elements and definitions are listed in

Table 5 of the technical documentation found at:

<http://qwwebservices.usgs.gov/technical-documentation.html>

CharacteristicName is confined by the USEPA Substance Registry System (SRS), with a small number of exceptions also implemented by the USEPA STORET system. The SRS makes it possible to identify which EPA data systems, environmental statutes, or other sources have information about a substance and which synonym is used by that system or statute. It becomes possible therefore to map substance data across EPA programs regardless of synonym. To query a particular CharacteristicName, please visit:

http://iaspub.epa.gov/sor_internet/registry/substreg/searchandretrieve/substancesearch/search.do

Time_Period_of_Content:

Time_Period_Information:

Single_Date/Time:

Calendar_Date: 19950101-Present

Currentness_Reference:

publication date

Status:

Progress: In work

Maintenance_and_Update_Frequency: Weekly

Spatial_Domain:

Bounding_Coordinates:

Bounding coordinates are defined by the individual HUC8(s) specified by the user when selecting water quality data through the STORET Mini Portal.

Keywords:

Theme:

Theme_Keyword_Thesaurus: ISO 19115 Topic Category

Theme_Keyword: environment

Theme_Keyword: water quality

Theme_Keyword: monitoring

Theme:

Theme_Keyword_Thesaurus: EPA GIS Keyword Thesaurus

Theme_Keyword: Environment

Theme_Keyword: Monitoring

Theme_Keyword: Quality

Theme_Keyword: Surface Water

Theme_Keyword: Water

Place:

Place_Keyword_Thesaurus: None

Place_Keyword: United States

Access_Constraints: None.

Use_Constraints:

None. Please check sources, scale, accuracy, currentness and other available information. Please confirm that you are using the most recent copy of both data and metadata. Acknowledgement of the EPA would be appreciated.

Point_of_Contact:

Contact_Information:

Contact_Organization_Primary:

Contact_Organization:

U.S. Environmental Protection Agency

Contact_Address:

Address_Type: mailing address

Address: 1200 Pennsylvania Avenue, NW MC
4503T

City: Washington
State_or_Province: DC
Postal_Code: 20460

Contact_Voice_Telephone: 1-800-424-9067
Contact_Electronic_Mail_Address: storet@epa.gov

Security_Information:

Security_Classification_System: FIPS Pub 199
Security_Classification: No Confidentiality
Security_Handling_Description: Standard Technical Controls

Native_Data_Set_Environment:

Microsoft Windows Vista Version 6.1 (Build 7601) Service Pack 1; ESRI
ArcCatalog 9.3.1.4000

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Data_Quality_Information:

Logical_Consistency_Report:
Not presently available

Completeness_Report:
In Progress

Positional_Accuracy:

Horizontal_Positional_Accuracy:

Horizontal_Positional_Accuracy_Report:

Positional accuracy for the data set varies for individual features within the data set. Actual horizontal positional accuracy for the data set is unknown.

Vertical_Positional_Accuracy:

Vertical_Positional_Accuracy_Report:

Data were collected using methods that have unknown accuracy (EPA National Geospatial Data Policy [NGDP] Accuracy Tier 10). For more information, please see EPA's NGDP at <http://epa.gov/geospatial/policies.html>)

Lineage:

Process_Step:

Process_Description:

Site and Results source data retrieved from the EPA STORET system using the STORET Mini Portal site available online at: <http://storetnwis.epa.gov/storetqw/portal.html>. The selection criteria for STORET Mini Portal water quality monitoring data are:

Site Type:

Estuary, Spring, Stream, Lake, Reservoir,
Impoundment;

Sample Media:

Water;

Characteristic Group:

Nutrient;

Start Date:

19950101 to present.

Water quality monitoring data for N/P are downloaded by HUC8 using the Nitrogen and Phosphorus Pollution Data Access Tool (NPDAT) available online at <http://gispub2.epa.gov/NPDAT>.

Process_Date: Present

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Entity_and_Attribute_Information:

Detailed_Description:

Entity_Type:

Entity_Type_Label: STORET

Entity_Type_Definition:

Point Table
Entity_Type_Definition_Source:
STORET

STORET geospatial Keyhole Markup Language (KML) attributes and definitions:

Attribute:

Attribute_Label: DESCRIPTION
Attribute_Definition: Station Name

Attribute:

Attribute_Label: SITE_ID
Attribute_Definition: Station Organization Id - Station Id

Attribute:

Attribute_Label: SITE_TYPE
Attribute_Definition: Type of Site

Attribute:

Attribute_Label: LATITUDE

Attribute:

Attribute_Label: LONGITUDE

Attribute:

Attribute_Label: ELEVATION
Attribute_Definition: Z Value

Attribute:

Attribute_Label: HUC
Attribute_Definition: HUC 8 Id

Attribute:

Attribute_Label: Other Station Information
Attribute_Definition: Other Site Descriptors and Available Data

STORET Sites and Result Service attributes and definitions:

See [Supplemental Information](#) section for more information on Site and Result attribute data.

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Distribution_Information:

Distributor:

Contact_Information:

Contact_Organization_Primary:

Contact_Organization: US EPA Headquarters

Contact_Address:

Address_Type: mailing address

Address: 1200 Pennsylvania Avenue, NW MC (4503T)

City: Washington

State_or_Province: DC

Postal_Code: 20460

Contact_Voice_Telephone: 1-800-424-9067

Contact_Electronic_Mail_Address: storet@epa.gov

Resource_Description: Downloadable Data

Distribution_Liability:

Although these data have been processed successfully on a computer system at the U.S. Environmental Protection Agency, no warranty expressed or implied is made regarding the accuracy or utility of the data on any other system or for general or scientific purposes, nor shall the act of distribution constitute any such warranty. It is also strongly recommended that careful attention be paid to the contents of the metadata file associated with these data to evaluate data set limitations, restrictions or intended use. The U.S. Environmental Protection Agency shall not be held liable for improper or incorrect use of the data described and/or contained herein.

Standard_Process_Order:

Digital_Form:

Digital_Transfer_Information:

Format_Name: STORET / WQX Mini Portal

Digital_Transfer_Option:

Online_Option:

Computer_Contact_Information:

Network_Address:

Network_Resource_Name:

<http://storetnwis.epa.gov/storetqw/portal.html>

Fees: None

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Metadata_Reference_Information:

Metadata_Date: 20110630

Metadata_Future_Review_Date: 20120701

Metadata_Contact:

Contact_Information:

Contact_Organization_Primary:

Contact_Organization: US EPA Headquarters

Contact_Address:

Address_Type: mailing address

Address: 1200 Pennsylvania Avenue, NW MC (4503T)

City: Washington

State_or_Province: DC

Postal_Code: 20460

Contact_Voice_Telephone: 1-800-424-9067

Contact_Electronic_Mail_Address: storet@epa.gov

Metadata_Standard_Name: FGDC Content Standards for Digital Geospatial Metadata

Metadata_Standard_Version: FGDC-STD-001-1998

Metadata_Time_Convention: local time

Metadata_Security_Information:

Metadata_Security_Classification_System: None

Metadata_Security_Classification: Unclassified

Metadata_Security_Handling_Description: None

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