Mapping Water Use, Making the Watershed Resilient

Deilson da Silva

Santa Ana River Watershed Conference
Description:

Map shows monitoring water locations and quality of bathing water from 2006 till 2016.

For the scale 1:5,000,001 and less detailed, data are aggregated by country. In such case, stacked bars show percentage of bathing water quality for coastal and inland waters together.

Number of bathing waters within certain category is seen in pop up window which can be turned on with a click on one of the countries.

For the scale range 1:5,000,000 to 1:700,001, individual bathing water sites (points) are visible instead of classified stacked charts and are coloured according to the classification of bathing water quality.

Symbol size depends on the map scale (in more detailed map scales symbols are bigger). For the scales 1:700,000 and more detailed, symbol of bather appears instead of points.

All symbols (charts, circles and bathers) are colored according to achieved quality status.

Pop-up windows can be opened with a click on individual bathing water monitoring site. Pop-up window allow user to observe bathing water quality data from 2006 onwards.

Bathing water quality can be filtered to selected quality class using the "Query" widget which can be activated by clicking the query icon in the upper left corner of the map.

Bathing water monitoring:
Wasserqualität in Badegewässern

Wie erhalte ich Informationen zur aktuellen Badegewässerqualität?

Die Liste der Badegewässer, die Badegewässerprofile, die Ergebnisse der Qualitätseinstufungen sowie aktuelle Daten zur Wasserqualität in der Badesaison 2017 findet Sie auf den Internetseiten der Bundesländer. Sie können diese über die Deutschlandkarte aufrufen.
Opelika Utilities.
Clean, Plentiful Water.

Opelika, Alabama

A Mission of Reliable, Abundant Water

Saugahatchee Lake, pictured, is the site of the Saugahatchee WTP located in Opelika, Alabama, Saugahatchee and Betts WTPs combine for a total of 24 MGD capacity. Our system has the capacity to furnish any industrial need over and above existing demand.

Opelika Utilities' Raw to Finished Water Capacity
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Opelika Utilities’ Raw to Finished Water Capacity

Finished Water Capacity to Demand

Saugahatchee Lake shown in about 1946 with previous treatment plant, now demolished.
Plentiful Water.

Clean, Plentiful Water.

Redundant service capabilities are inherent in our system. With two water treatment plants and a distribution system that receives water from either or both, we can reliably provide water to our industrial customers from multiple sources and routes.

In addition to immediate water, the Northeast Opelika Industrial Park offers parcels of varying sizes and configurations, quick and convenient I-85, US 431/280 and rail access.

These interactive maps provide details for AVAILABLE PARCELS, ACREAGE and DIMENSIONS. Note that the water assets shown are in place and available for use now.

- **Northeast Opelika Industrial Park**

- **Available Parcels**

Fox Run Business Park offers smaller parcels, quick and convenient roadway access to I 85, US 431/280, and of course, reliable, abundant water service.

See details for available parcels, dimensions and other pertinent information.

- **Fox Run Business Park**

- **Available Parcels**
Opelika Utilities.
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Quality from Source to You

We define quality as clean, abundant water that is reliably available to our customers in a way that exceeds their application and consumption needs and does so in an environmentally responsible way - all of which are produced by committed professionals who operate and maintain our systems efficiently while providing unsurpassed customer service.

The W. Warner Williams Water Resource Park is Opelika Utilities’ latest and most significant investment in high quality water treatment capacity and system-wide maintenance. Designed by Krebs Engineering, construction was completed in 2013. This award-winning facility has a treatment capacity of eight million gallons of water per day.

A section of the main lab at Saugahatchee WTP, the heart and soul of water quality monitoring and assurance.
Our Reliability = Your Success

Opelika Utilities utilizes two raw water supply sources and two separate treatment plants. We’ve designed into our distribution network the ability to serve our customers from either of the two plants.

Our investment in state-of-the-art technologies has made a new level of efficiency and reliability possible. We utilize the ESRI GIS system, which is the gold standard for the industry. With it, we can access real-time information in the field and at our operations center— from a leak to a vehicle location.

“Cityworks” asset management system allows us to integrate our maintenance and repair systems seamlessly. These systems, along with our SCADA management and monitoring system, 2.5 mega-watt diesel back-up generator, state-of-the-art security and the many other investments in technology and equipment, establish Opelika Utilities as a leader in water utilities.

In addition, we have access to renowned engineering technology and research due to our proximity to Auburn University - a resource that has continued to improve our system capabilities and reliability in countless ways over the years.

Effective Capital Planning Ensures Long-Term Viability
Opelika Utilities.
Clean, Plentiful Water.

Effective Capital Planning Ensures Long-Term Viability

Comprehensive Plan: Click in map on highlighted projects for details on the investments Opelika Utilities has made and is planning over the next several years.

Capital Improvements
Click highlighted projects for details on the investments Opelika Utilities has made.
- Capital Projects
- Capital Projects

Abundant Water For Years To Come!

More than 15 million gallons per day of finished water beyond our average daily demand is available now. That is enough to serve most any high water consumption company immediately. We also currently have rights to access an additional 26 MGD of raw water, bringing our total raw water availability to 50 MGD.
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Hometown Leadership

Our leadership team consists of (left to right) Warner Williams, Chairman, Opelika Water Works Board of Directors; Andy Alsobrook, Administrator; Dan Hillyer, P.E., General Manager; Alan Lee, Project Manager. Not pictured is William Thornton, Assistant General Manager. This team of professionals represents nearly 100 years of collective experience at Opelika Utilities.

Please Contact Us.

We’re happy to answer any questions. We look forward to working with you.

Dan Hillyer, General Manager, Opelika Utilities

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DataLB is the city’s new public GeoSpatial & Open Data Portal for exploring, visualizing and downloading data that has been made publically available. You can also analyze and combine Open Data layers using Map Viewer and develop new web and mobile applications. Let’s work together towards making Long Beach the City of the Future!

FIND DATA

Search Open Data

Explore all data

PUTTING YOUR TAX DOLLARS TO WORK
1-3 of 3 results

**Groundwater Upwellings** *(from City of Long Beach, CA Open Data)*
Shared by datalb_admin

Upwelling is part of a water cycle where warmer surface water is pushed away from an area (usually due to winds and current), allowing colder (often nutrient rich) deep water to rise up and replace it. On the coast, this process is what helps create estuaries which allow sea life to thrive. This web map visualizes the approximate area of upwelling that occurs in the City of Long Beach. 

**City of Long Beach Waterways** *(from City of Long Beach, CA Open Data)*
Shared by datalb_admin

This polygon layer defines the coastline, the Los Angeles and San Gabriel Rivers, channels, lagoons, drains, reservoirs, and other various water features around the City. 

**Liquefaction Zones** *(from City of Long Beach, CA Open Data)*
Shared by datalb_admin

According to the US Geological Survey, "Liquefaction takes place when loosely packed, water-logged sediments at or near the ground surface lose their strength in response to strong ground shaking. Liquefaction occurring beneath buildings and other structures can cause major damage during earthquakes." This map visualizes areas of Long Beach that have either experienced the effects of liquefaction or are susceptible to liquefaction during an earthquake.
Unlock the City’s Geodata

Anyone can use open data from the City of Los Angeles Innovation Hub at no cost. Download raw data and share your insights with your community or build new applications that serve specific users.
Major Infrastructure Projects in Los Angeles

Bureau of Engineering capital improvement projects related to water, transportation, and municipal facilities.

by chelsea.ursaner_lahub
Last Modified: March 9, 2017

Web Mapping Application

Description
An in-depth description of the item is not available.

Access and Use Constraints
No special restrictions or limitations on using the item’s content have been provided.

Comments (0)
Sign in to add a comment.

Tags
BOE, infrastructure, CIP, capital improvement, transportation, water, stormwater

Credits (Attribution)
No acknowledgements.

URL
http://lahub.maps.arcgis.com/apps/
Major Infrastructure Projects in Los Angeles

Transforming LA into the most livable and sustainable city in the country requires long-term investments in our future. In the maps below, you can explore all infrastructure projects by category (Water, Transportation, and Municipal Facilities), the relative size of the project, when construction will finish, and some featured projects.

As an example of what we are investing in, the Sixth Street Viaduct Replacement Project depicted on the left emphasizes public space, pedestrian mobility and safety, art and design, and job creation.

Conserving Water

Having a clean, sustainable source of water is vital to our future. As such, the City invests in a range of projects from wastewater and stormwater capture to collection and treatment.

The Hyperion Treatment Plant is the City's primary water reclamation plant and one of the largest treatment facilities in the world. Though it has been operating since 1925, it is now a leader in technological innovation. For example, the Digester Gas Utilization Project (DGUP) will convert 7.5 million cubic feet of digester gas produced at Hyperion to electricity and steam to be used to meet the plant's power and heating demands, moving the plant toward full sustainability.

See a virtual tour of Hyperion
See more LASAN water projects
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