

Highlights From the Basin





LAKE SIDNEY LANIER – BUFORD DAM PROJECT RICK COMMUNICATION

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Lake Sidney Lanier –
Buford Dam Project



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AGENDA

- USACE DAM Safety Program
 - Briefing Purpose
 - Why now?
- Buford Dam Authorized Purposes
 - Location Overview
- Buford Dam Structures and Components
 - Buford Dam Benefits
- USACE Risk Management Measures
 - Risk Assessment
- High Water Operations – Non-Breach
 - Breach
 - Probability of Occurrence
 - Consequences
- National Inventory of Dams
- Additional Risk Mitigation Measures
 - Closing
 - Resources



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USACE DAM SAFETY PROGRAM

The purpose of the USACE Dam Safety Program is to protect life, property, and the environment by ensuring that all dams are designed, constructed, regulated, operated, and maintained as safely and effectively as is reasonably practicable. Communication remains integral to the success of the program to include sharing risk information with internal and external audiences to foster an informed and engaged public that understands risk, can contribute to the evaluation of risk management options, and can take responsibility for its safety.



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BRIEFING PURPOSE

To educate stakeholders on Buford Dam and
Buford Dam Risk Communication.



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WHY NOW?

- Nationally, USACE is rolling out a communication campaign to inform the public about our dams. Buford Dam is not unique in this, and the communication is not due to any change in the dam's status. We are communicating the dam's risk due to a change in policy, not because of any problems.
- Recent update to Policy and Procedure
 - Include the elements of communication throughout the program.
 - Risk Communication is as important as assessing and managing risk.
 - Risk Communication is a shared responsibility.
 - Risk Communication is necessary to *Reduce* potential Loss of Life and Property.



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BUFORD DAM AUTHORIZED PURPOSES

- Hydropower
- Flood Risk Management
 - Navigation
 - Recreation
- Fish and Wildlife Management
 - Water Quality
 - Water Supply



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LOCATION OVERVIEW

**West Point Lake
and Dam**

**Walter. F. George Lake
and Dam**

**Jim Woodruff Dam -
Lake Seminole**



**Buford Dam - Lake
Sidney Lanier**

**George Andrews
Lock and Dam**

Apalachicola Bay



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STRUCTURE AND COMPONENTS

- Main Dam
- Saddle Dikes 1, 2, and 3
 - Reservoir
 - Intake Structure
 - Powerhouse
- Emergency Spillway



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STRUCTURE AND COMPONENTS



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MAIN DAM AND POWERHOUSE



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INTAKE STRUCTURE



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SADDLE DIKES 1 AND 2



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SADDLE DIKE 3 AND SPILLWAY



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BENEFITS OF BUFORD DAM

- Reduces frequency of flood events downstream, reducing property damage.
- Billions of dollars in flood damages to property prevented since construction.
- Provides clean renewable energy.
- Returns ~\$16 million annually to the US Treasury from Hydropower and Recreation revenues.
- Provides for significant Regional Recreational opportunities.
- Generates over ~\$100 Million in National Economic Development Benefit annually.
- Generates ~\$700 Million in visitor spending in local communities annually.
- Provides for ~\$4 Million in payments to the State of Georgia annually.
- Provides a water source for ~5 Million people daily.
- Provides for an abundant Trout Fishery (Trout fishing spending ~\$6 Million annually).
- Provides for adequate flow downstream for water quality.



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USACE RISK MANAGEMENT MEASURES (MITIGATION)

- Routine communications with local and State Emergency Management Agencies.
- Annual updates to the Emergency Action Plan.
- Coordinate emergency exercises with State and local response teams (tabletop exercise every 5 years).
- Annual instrument inspections.
- Monthly visual and instrument monitoring and seepage flow measurements (increases with lake levels to sometimes daily monitoring).
- Alternating Periodic Evaluation and Periodic Assessment every 5 years.
- Routine and regular maintenance and repair.
- Training
- Risk Communication



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RISK ASSESSMENT

- Dams reduce the risk of flooding but do not eliminate it.
- Assessment of Risk is a function of the **probability** of an event and that events **consequences**.
- Buford Dam Risk Assessment:
 - Risk is characterized as Moderate.
 - Designed well, constructed well, maintained well
 - Continued Reliability expected.
- Identified Risks:
 - High water operations
 - With and without emergency spillway flows.
 - Dam Breach due to Overtopping
 - Dam Breach due to Seepage



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HIGH WATER OPERATIONS – NON-BREACH

- Buford Dam is operated under an approved Water Control Manual
- Bank full condition in the Chattahoochee River between Buford Dam and Morgan Falls Dam is ~10,000 cfs.
- Buford Dam Water Control Manual allows for up to ~40,000 cfs to intentionally be discharged to protect the structure.
 - ~12,500 cfs through hydropower generators.
 - ~11,500 cfs through the Sluice Gate.
 - ~16,000 cfs through the Emergency Spillway.
 - This will be in addition to the current river conditions
- The above conditions are established operations under the approved Water Control Manual thus the Dam would be operating as designed.
- With these high-water operations, significant flooding can occur downstream.
- Development encroaching in the floodplain downstream increases the risk of property damage.



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BREACH

- Overtopping
 - Buford Dam is limited in discharge capacity.
 - A storm, or a series of storms, producing inflows greater than outflow capacity could cause the lake to continue to rise.
 - This could lead to overtopping of the dam crest.
 - Overtopping may result in erosion of the dam surface leading to failure.
- Seepage
 - Water seeping through a Saddle Dike could erode its embankment to the point of failure.



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PROBABILITY OF OCCURRENCE

- High Water Operations – Non-Breach
- Breach
 - Overtopping
 - Seepage
- Probability for each identified potential occurrence is *Low to Remote*.
- Buford Dam is a *High Hazard Dam*, not a *High-Risk Dam*.
 - Buford Dam condition is good, low probability of occurrence, high consequences



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CONSEQUENCES - IMPACTS

- High Water Operations – Non-Breach
 - Significant flooding and damage to property.
 - Impacts are reduced as distance from the dam increases.
- Breach
 - Impacts could be catastrophic over a great distance.
 - Impacts through the basin to Apalachicola, Florida.
 - Property damage significant (infrastructure, water, power, communications, emergency services, transportation, etc...).
 - Potential for Loss of Life is significant.
- Buford Dam is a ***High Hazard Dam***, not a ***High-Risk Dam***.
- Buford Dam condition is good, low probability of occurrence, high consequences



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NID LANDING PAGE

The screenshot shows the National Inventory of Dams (NID) landing page in a web browser. The browser address bar shows the URL nid.usace.army.mil/#/. The page features a large background image of a dam with water flowing over it. The main heading reads "National Inventory of Dams" with the subtitle "More than 90,000 dams nation-wide". A search bar is overlaid on the image with the placeholder text "Find a dam by name, location, and more...". Below the image, the text "Kilbourn (W100005) - Columbia County, Wisconsin" is visible. The page includes a navigation menu with "HOME", "ADVANCED SEARCH", "EXPLORE", "HELP CENTER", "MORE", and "SIGN IN". A section titled "Dams of The Nation" displays the following statistics:

91,986 Total Dams	61 years Average Dam Age	75% High Hazard Potential Dams with an EAP	6% Federally Regulated Dams
		3% Dams with Hydropower	70% State-Regulated Dams

Below the statistics is a "Geography" section with a "BROWSE THESE DAMS" button. The Windows taskbar at the bottom shows the search bar, taskbar icons, and system tray with a temperature of 71°F and date 8/14/2022.



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<https://nid.sec.usace.army.mil/#/>



NID

The screenshot shows the National Inventory of Dams (NID) website interface. At the top, the browser address bar shows the URL `nid.usace.army.mil/`. The main header includes navigation links for HOME, ADVANCED SEARCH, EXPLORE, HELP CENTER, MORE, and SIGN IN. The main content area features a large banner image of a dam with the text "National Inventory of Dams" and "More than 90,000 dams nation-wide". A search bar is overlaid on the banner, containing the text "Buford". A dropdown menu displays search results for "Buford":

- Buford Dam (GA00824) DAM
- Buford Dam - Saddle Dike 3 (GA00824S003) DAM
- Buford Dam - Saddle Dike 2 (GA00824S002) DAM
- Buford Dam - Saddle Dike 1 (GA00824S001) DAM
- T D Buford Pond Dam (MS01790) DAM
- Buford CITY STATE

A red box with a white border and red text is positioned over the search bar, containing the instruction: "Type in 'Buford' and select 'Buford Dam (GA00824)'". A red arrow points from this box to the first search result. Below the search results, a summary bar displays statistics: 91,986 Total Dams, 61 years Average Dam Age, 75% High Hazard Potential Dams with an EAP, 6% Federally Regulated Dams, 3% Dams with Hydropower, and 70% State-Regulated Dams. A "Geography" section is partially visible at the bottom, with a "BROWSE THESE DAMS" button. The Windows taskbar at the bottom shows the search bar, taskbar icons, and system tray information including 71°F Sunny and 9:25 AM 8/14/2022.



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NID SUMMARY TAB (LANDING)

Click on "View in Advanced Map Viewer" to see map

Click on these Tabs to see more information

Click on "Explore" for Information, Instruction, and Videos

Click on "More" for additional instructions and documents

National Inventory of Dams

HOME ADVANCED SEARCH EXPLORE HELP CENTER MORE SIGN IN

Buford Dam **VIEW IN ADVANCED MAP VIEWER** Info Map DOWNLOAD DATA

NID ID GA00824 Location Gwinnett, Georgia Owner Name USACE - Mobile District Owner Type Federal Data Updated 07/22/2022

SUMMARY DESCRIPTION STRUCTURE RISK INSPECTION AND EVALUATION RESPONSE PREPAREDNESS ATTACHMENTS

Structure Information VIEW

Owner Name(s) USACE - Mobile District

Purposes Flood Risk Reduction, Hydroelectric, Recreation

NID Height (Ft) 231

Dam Type Earth

NID Storage (Acre Ft) 2,554,000

Year Completed 1958

Risk VIEW

Risk Assessment Moderate (3)

Risk Assessment Assigned Date 11/12/2020

Inspections VIEW

Last Inspection Date 11/13/2018

Response Preparedness VIEW

Emergency Action Plan Prepared Yes

Last Emergency Action Plan Revision 09/12/2020

Helpful Resources

Layer Controls LEGEND

71°F Sunny 9:37 AM 8/14/2022



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<https://nid.sec.usace.army.mil/#/>



NID DESCRIPTION TAB

The screenshot displays the National Inventory of Dams (NID) website interface. The browser address bar shows the URL: `nid.usace.army.mil/#/dams/system/549704/description`. The page title is "National Inventory of Dams". The main content area is titled "Buford Dam" and includes a "VIEW IN ADVANCED MAP VIEWER" link. Below the title, there are tabs for "SUMMARY", "DESCRIPTION", "STRUCTURE", "RISK", "INSPECTION AND EVALUATION", "RESPONSE PREPAREDNESS", and "ATTACHMENTS". The "DESCRIPTION" tab is active, showing the following information:

Identification

Name
Buford Dam

Other Names
Lake Sidney Lanier

Former Names
No Data Entered

Project Description

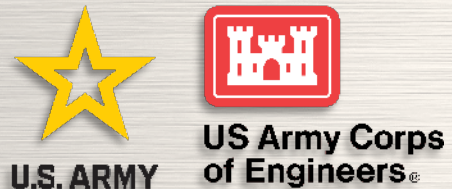
The Buford Dam was authorized by Congress in the 1950 Flood Control Act to generate hydropower and reduce flooding in downstream communities. Buford Dam is located on the Chattahoochee River approximately 45 miles Northeast of Atlanta. It was designed and constructed in 1956 by the U.S. Army Corps of Engineers (USACE) and resulted in the formation of Lake Lanier, a 59 square mile reservoir, that supplies water to Georgia, Alabama, and Florida. The dam also provides navigation, has a thriving fish and wildlife ecosystem, and is the most-visited Corps of Engineers lake site in the nation.

The Buford Dam is constructed of compacted soil. Smaller dams, or saddle dikes, are located in three areas around the lake to help contain the lake. Water is released into the river beneath the dam through the hydropower units or through a small tunnel in the powerhouse called a sluice. An overflow spillway is cut into the shoreline to pass water during major flood events. However, to date there has not been a flood event that has required the use of this spillway.

The earthen dam is over 1,500 feet long, almost 200 feet high, and 40 feet wide at the top of the dam. The overflow spillway is located to the left of the embankment and is 100 feet wide with a crest elevation of 1,085 feet.

Flooding downstream has been greatly reduced since the dam was built. On average the dam has reduced the damage caused by flooding by about \$20 million each year, generated nearly \$24 million in hydropower each year, and almost \$70 million in annual

The right side of the screenshot shows a map viewer with a "Layer Controls" panel and a "LEGEND" dropdown. The map displays the location of Buford Dam on the Chattahoochee River, with several blue circular markers indicating other dam locations in the area. The Windows taskbar at the bottom shows the system tray with the date 8/14/2022 and time 9:38 AM.



Description of the Project



NID STRUCTURE TAB

The screenshot displays the National Inventory of Dams (NID) web application interface. The browser address bar shows the URL: `nid.usace.army.mil/#/dams/system/549704/structure`. The page title is "National Inventory of Dams". The main content area is titled "Buford Dam" and includes a "VIEW IN ADVANCED MAP VIEWER" link. Below the title, there are tabs for "SUMMARY", "DESCRIPTION", "STRUCTURE", "RISK", "INSPECTION AND EVALUATION", "RESPONSE PREPAREDNESS", and "ATTACHMENTS". The "STRUCTURE" tab is currently selected.

The "Dam Structure" section contains the following information:

- Primary Dam Type: Earth
- Dam Types: Earth
- Cone: Earth
- Foundation: Rock
- Dam Height (Ft): No Data Entered
- Hydraulic Height (Ft): 193
- Structural Height (Ft): 231
- NID Height (Ft): 231
- Dam Length (Ft): 2,470
- Volume (Cubic Yards): 3,751,000
- Year Completed: 1958
- NID Storage (Acre-Ft): 2,554,000
- Max Storage (Acre-Ft): 2,554,000
- Normal Storage (Acre-Ft): 1,917,000
- Surface Area (Acres): 47,182
- Drainage Area (Sq Miles): 1,040
- Max Discharge (Cubic Ft./ Second): 13,900

On the right side of the page, there is a map viewer showing the location of Buford Dam on a map. The map includes a "Layer Controls" panel and a "LEGEND" dropdown menu. The dam's location is marked with a blue circle on the map.



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Provides Structure Information



NID RISK TAB

The screenshot displays the National Inventory of Dams (NID) web application interface. The browser address bar shows the URL: `nid.usace.army.mil/#/dams/system/549704/risk`. The page title is "National Inventory of Dams". The main content area is titled "Buford Dam" and includes a "VIEW IN ADVANCED MAP VIEWER" link. The dam's details are as follows:

NID ID	GA00824	Location	Gwinnett, Georgia	Owner Name	USACE - Mobile District	Owner Type	Federal	Data (Updated)	07/22/2022
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The "RISK" tab is selected, showing the following information:

Risk Assessment	Moderate (3)	Risk Assessment Assigned Date	11/12/2020
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Risk Characteristics

Risk Assessment
Moderate (3)

Risk Assessment Assigned Date
11/12/2020

Risk Characterization Summary
USACE completed a risk assessment on July 30, 2020 and has classified the risks associated with the Buford Dam as Moderate. The dam was found to be well-designed, well-constructed, and well-maintained and is expected to be extremely reliable during major floods. The dam is located in the Atlanta metropolitan area and people in this area could see life threatening flooding during large floods which require use of the overflow spillway, which is a situation that has never happened before. Additionally, there are also two extremely unlikely flood scenarios where (1) the area experiences a flood so large that it overwhelms the dam causing the dam to fail as water spills over the top of it, or (2) water seeping through a saddle dike erodes its embankment to the point of failure. If either of these scenarios were to occur flood waters would be extremely swift and deep and cause catastrophic flooding downstream, widespread economic impacts, and significant loss of life. In the remote event of a dam failure the largest impacts would be in communities downstream of the dam, especially in the areas of Sugar Hill, Duluth, and Peachtree Corners. Key infrastructure along the river would be damaged or destroyed and historic flooding on the river would occur all the way to the Gulf of Mexico, impacting the states of Georgia, Alabama, and Florida.

Risk Management Measures
USACE is continuously working to manage the risk to the public. This includes working with local emergency managers, regularly updating the Emergency Action Plan, and conducting emergency exercises with state and local response teams. USACE regularly inspects and monitors instruments to check the health of the dam. The frequency of these checks increases when the lake level rises. This ensures that the structure is performing as designed and could help detect any areas of potential concern. Regular maintenance and repairs are performed as needed to keep the dam functioning properly.

Follow the Mobile District on Facebook at www.facebook.com/USACLMOBILE/
Lake Lanier on Facebook: <https://facebook.com/LakeSidneyLanierUSACE/>

Consider purchasing flood insurance to protect your property

The right side of the screen shows a map viewer with a legend and layer controls. The map displays the location of Buford Dam and surrounding areas, including Lake Lanier and various creeks.



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Provides Risk Characterization and Risk Management Measures



NID RISK TAB

National Inventory of Dams

Buford Dam [VIEW IN ADVANCED MAP VIEWER](#)

MID ID: GA00824 | Location: Gwinnett, Georgia | Owner Name: USACE - Mobile District | Owner Type: Federal | Date Updated: 07/22/2022

SUMMARY DESCRIPTION STRUCTURE **RISK** INSPECTION AND EVALUATION ATTACHMENTS

Consequences Estimate

Scenario	Type	Pool Elevation	Daytime People at Risk	Nighttime People at Risk	Buildings at Risk	Economic Cost
Maximum High Pool - BREACH	Maximum High Pool Breach	1,107.6	238,538	234,028	78,456	\$ 45,013,789,738
Maximum High Pool - NON BREACH	Maximum High Pool Non-Breach	1,107.6	20,946	21,521	9,184	\$ 2,444,207,426
Intermediate High Pool - BREACH	Intermediate High Pool Breach	1,106	231,260	224,364	75,517	\$ 43,457,946,468
Intermediate High Pool - NON BREACH	Intermediate High Pool Non-Breach	1,106	16,162	17,345	7,761	\$ 1,946,755,449
Top of Active Storage Pool - BREACH	Top of Active Storage Pool Breach	1,085.1	162,098	152,368	50,851	\$ 30,208,982,805
Top of Active Storage Pool - NON BREACH	Top of Active Storage Pool Non-Breach	1,085.1	3,614	2,650	1,428	\$ 381,031,979

Results per page: All | 1 - 10 of 10

Grab the map and move to the right to expand scenario information

Scroll Down on the Risk Tab to see Scenario information



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Different Scenario Information



NID INSPECTION AND EVALUATION TAB

The screenshot shows the National Inventory of Dams (NID) web application interface. The browser address bar displays the URL: `nid.usace.army.mil/#/dams/system/549704/inspections`. The page title is "National Inventory of Dams". The main content area is for "Buford Dam" (NID ID: GA00824) and is currently on the "INSPECTION AND EVALUATION" tab. The dam's location is Gwinnett, Georgia, and it is owned by USACE - Mobile District. The data was last updated on 07/22/2022. The "Inspections" table shows the following data:

Last Inspection Date	Inspection Frequency (Years)	Hazard Potential Classification
11/13/2018	5	High

The interface also includes a map on the right side showing the dam's location, a "Layer Controls" panel, and a "LEGEND" dropdown. The Windows taskbar at the bottom shows the search bar and various application icons, with the system clock indicating 9:45 AM on 8/14/2022.



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Provides Date of last Periodic Evaluation/Assessment



NID RESPONSE PREPAREDNESS TAB

The screenshot shows the 'National Inventory of Dams' website interface. The main content area is titled 'Emergency Action Plan (EAP)'. It contains a table with the following data:

<u>EAP Prepared</u>	<u>Date of Last EAP Revision</u>	<u>Last EAP Exercise Date</u>
Yes	09/12/2020	mm/dd/yyyy
<u>Emergency Contacts Updated</u>	<u>EAP Meets FEMA Guidelines</u>	
11/12/2021	Yes	

Below the table is a map showing the location of Buford Dam and surrounding areas, including 'Lander Golf Club', 'New Creek', 'Bowness School', and 'Lander Park'. The map includes 'Layer Controls' and a 'LEGEND' dropdown menu.



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Provides Emergency Action Plan Information



NID ADVANCED MAP VIEWER

A screenshot of a web browser displaying the "National Inventory of Dams" (NID) Advanced Map Viewer. The browser address bar shows "nid.usace.army.mil/viewer/". The page features a search bar at the top left and a list of dam breach options for "BUFORD DAM". The map shows the Buford Dam area in Georgia, with various roads and landmarks labeled. A blue dot on the map indicates the dam's location. The bottom of the browser window shows the Windows taskbar with the search bar, taskbar icons, and system tray information including the temperature (82°F) and date (8/14/2022).

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NID ADVANCED MAP VIEWER

National Inventory of Dams | Viewer

nid.usace.army.mil/viewer/

_USACE | GIS | Shoreline Database | Miscellaneous | USGS | Sharepoint | Corps | Training | Other bookmarks

Search...

BUFORD DAM

- IH Breach 1106 ft
- IH Non-Breach 1106 ft
- MH Breach 1107.6 ft
- MH Non-Breach 1107.6 ft
- NH Breach 1071.8 ft
- NH Non-Breach 1071.8 ft
- SS Breach 1073.6 ft
- SS Non-Breach 1073.6 ft
- TAS Breach 1065.1 ft
- TAS Non-Breach 1065.1 ft

0.0000, 0.0000 | EPSG:4326

82°F Mostly sunny | 12:12 PM 8/14/2022

Landing Page



NID ADVANCED MAP VIEWER

The screenshot displays the National Inventory of Dams (NID) Advanced Map Viewer interface. The browser address bar shows the URL `nid.usace.army.mil/viewer/`. The interface includes a search bar, a list of scenarios for the selected dam, and a map view.

Scenario Selection List:

Scenario	Height	Status
IH Breach	1106 ft	Unselected
IH Non-Breach	1106 ft	Unselected
MH Breach	1107.6 ft	Selected
MH Non-Breach	1107.6 ft	Unselected
NH Breach	1071.8 ft	Unselected
NH Non-Breach	1071.8 ft	Unselected
SS Breach	1073.6 ft	Unselected
SS Non-Breach	1073.6 ft	Unselected
TAS Breach	1085.1 ft	Unselected
TAS Non-Breach	1085.1 ft	Unselected

The map shows the Buford Dam area in Georgia, with a blue circle indicating the dam's location. A red box labeled "Select Scenario" with an arrow points to the scenario selection list.

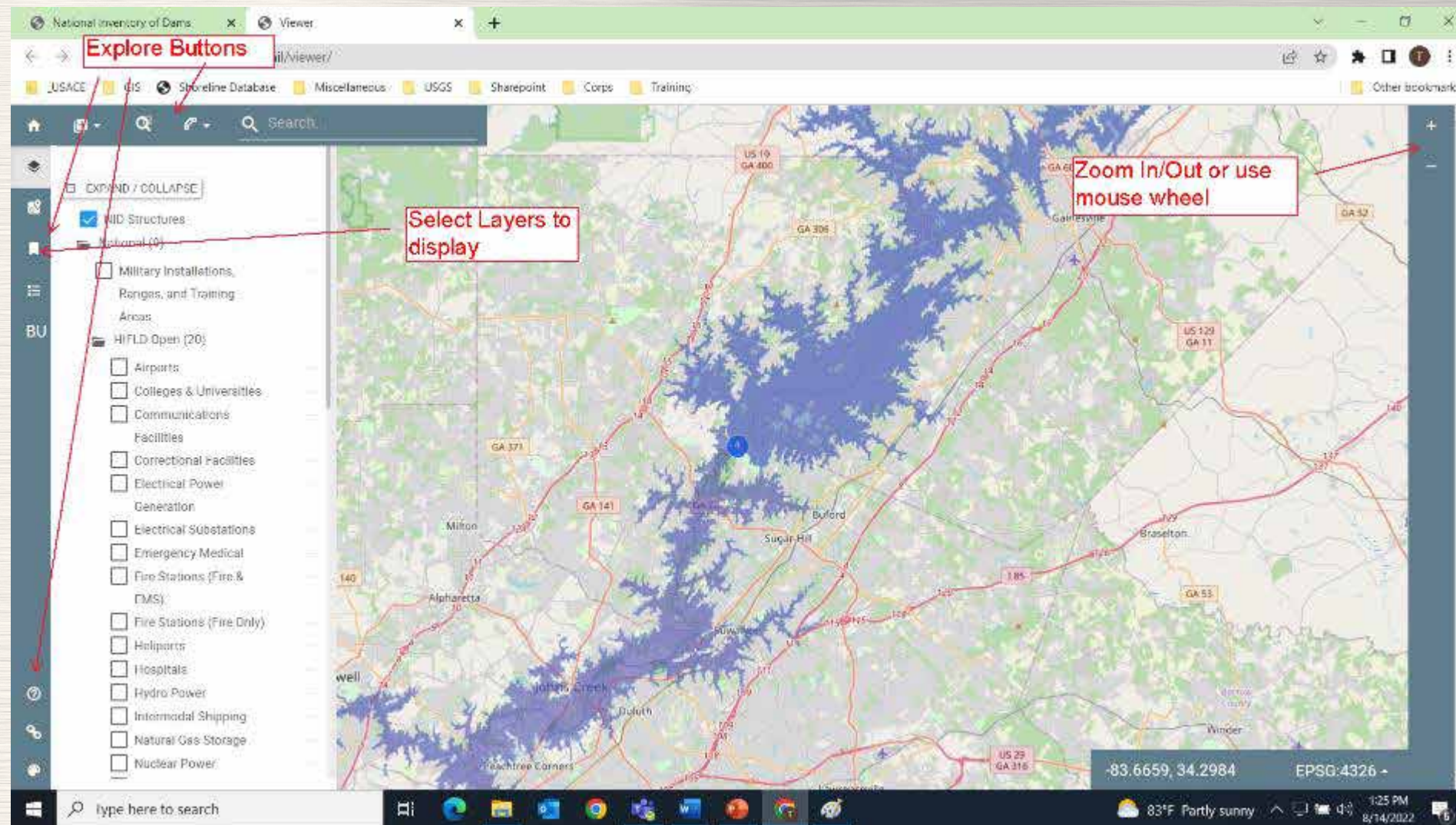


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Select Scenario



NID ADVANCED MAP VIEWER

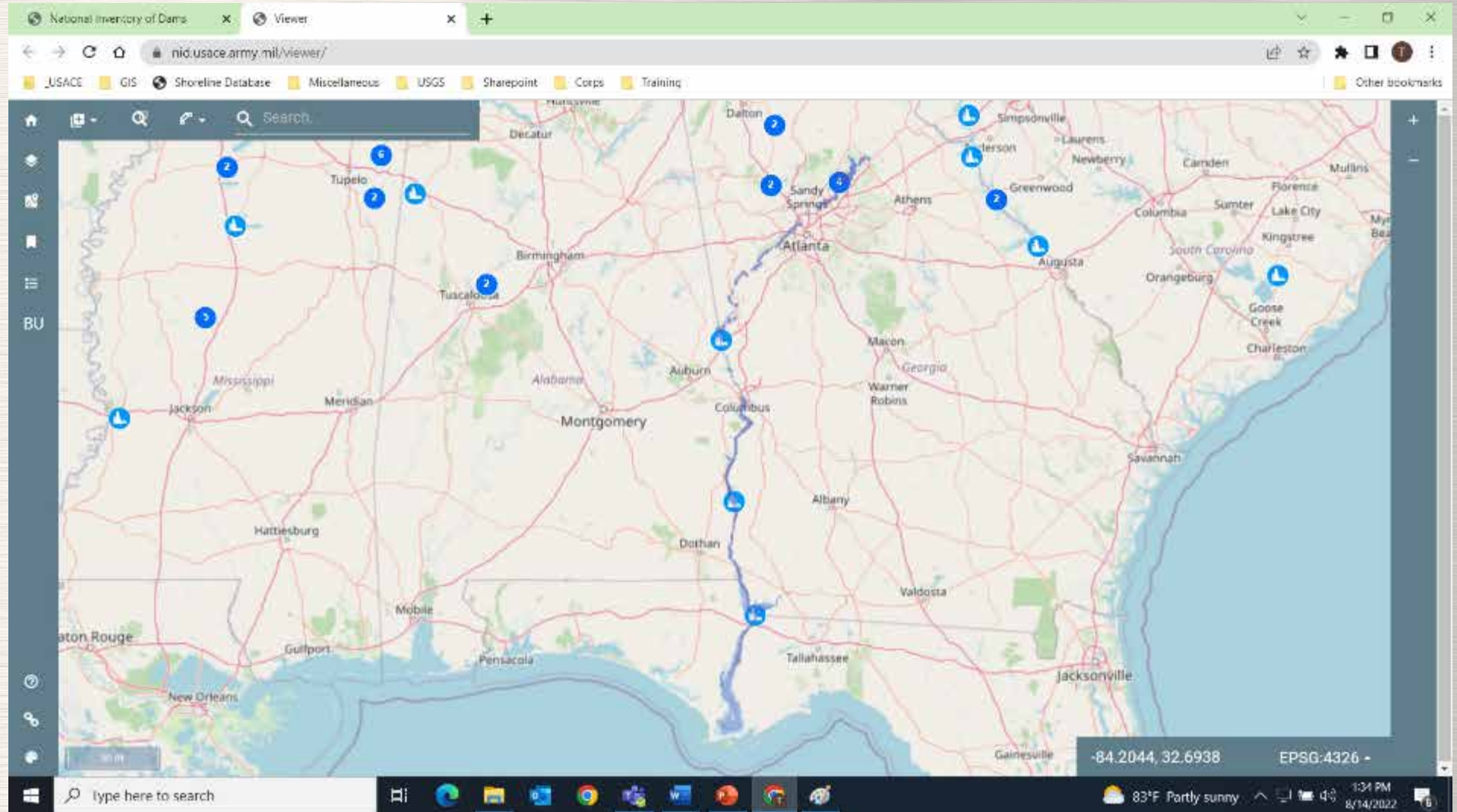


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Select Layers and explore other buttons



NID ADVANCED MAP VIEWER



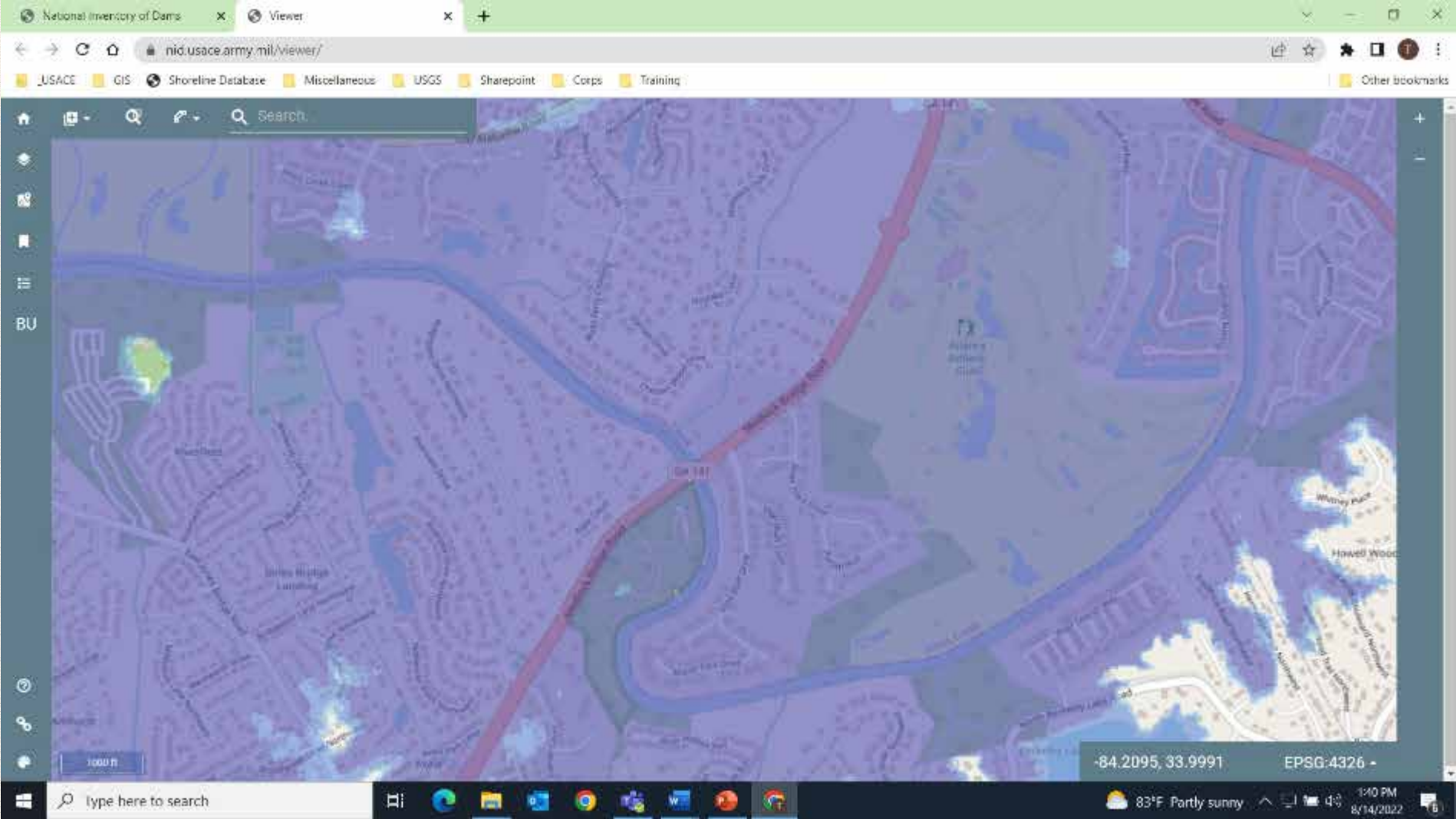
Zoom Out



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NID ADVANCED MAP VIEWER



Zoom In and use mouse to explore map



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NID DATA DOWNLOAD AND GIS SERVICES

The screenshot shows the National Inventory of Dams (NID) web application interface. The main content area displays information for the Buford Dam, including its ID (GA00824), location (Gwinnett, Georgia), and various details like structure information, risk, and response preparedness. A modal dialog box titled "Web GIS Services" is open, providing instructions and URLs for accessing the data via Web GIS services. The dialog box contains the following text:

Web GIS Services

The National Inventory of Dam's core mapping data can be used in GIS desktop and web apps via the Web-GIS Service URLs below. Use these services to add NID data to your maps, change layers styles and export selected features.

The NID's ESRI feature and mapping services provided below can be used for adding to your ESRI compatible GIS client.

https://ags03.sec.usace.army.mil/server/rest/services/Dams_Public/MapServer
Select and copy the ESRI mapping service link above

https://ags03.sec.usace.army.mil/server/rest/services/Dams_Public/FeatureServer
Select and copy the ESRI feature service link above

In the background, the "Download Data" button is visible in the top right corner of the application. A red arrow points from a text box to this button.

Select Web GIS Services from the "More" button

Explore other ways to download data from the "Download Data" button



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Incorporate data into your system



ADDITIONAL RISK MANAGEMENT MEASURES (MITIGATION)

- Since the risk is driven by the large population below Buford Dam (consequences), and NOT the condition of the dam, **Risk Communication** (education, awareness, preparedness) is the best thing we can do to mitigate that risk.

- Risk Management is a Shared Responsibility
 - USACE
 - Federal / State / Local Government
 - Business and Industry
 - Individual



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CLOSING

- Buford Dam is a High Hazard Dam, Not a High Risk Dam
- Risk Management is a Shared Responsibility
- Risk Communication is conducted so the public and stakeholders can understand the risk from the project and use the information to make informed decisions.
- USACE looks to its partners, and the public, to utilize this information to make plans and educate the populace that live, work, and play in potentially impacted areas within your jurisdiction or area of responsibility.



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RESOURCES

- USACE
 - National Inventory of Dams
 - <https://nid.usace.army.mil/#/>
 - Mobile District Dam Safety Webpage
 - <https://www.sam.usace.army.mil/Missions/Dam-Safety-Program/>
- FEMA
 - <https://www.fema.gov/>
- Georgia Safe Dams Program
 - <https://epd.georgia.gov/watershed-protection-branch/safe-dams-program>



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QUESTIONS

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