

WNC Strong Data Quality Dashboard

Updated: 1/27/2026

Overview

The WNC Strong Data Quality Dashboard was developed to give divisions 11, 13, and 14 a clear, automated view of key potential data quality issues in Helene data in SAP.

This dashboard replaces manual checks previously done by SIPS for the divisions and provides a consistent and repeatable way to monitor records that may require correction, follow-up, or clarification with field staff to ensure Helene data in SAP is accurate and complete.

The dashboard identifies six categories of potential data issues and allows users to filter and review them on the dashboard or export to Excel.

The dashboard automatically highlights records that may require follow-up based on predefined rules. It is intended to:

- Reduce manual review time
- Provide consistent data quality checks across divisions
- Surface potential issues proactively so they can be corrected in SAP
- Support divisions 11, 13, and 14 project management teams

Data Source & Refresh

- Source: SAP HANA DISASTER_MANAGEMENT data model
 - Refresh Frequency: Daily at 7:00 AM
 - Scope: Divisions 11, 13, and 14 only
 - All calculations and flags update automatically after each refresh.
-

Dashboard Layout

Screenshot of Dashboard

DNU Report [DQ Dashboard User Guide](#)

Division: All | User Status: All | County: All

	WBS Element	WBS Description	Division	County	User Status	System Status	Preliminary Estimate	Engineering Esti
<ul style="list-style-type: none"> DNUs No Expenditures No Engineering Estimate No Percent Complete Low Engineering Est Based On Expend Expend Seems Low Based On % Comp All Helene WBSs for Divisions 11, 13, 14 	18311.1003017	DO NOT USE - NC113 NC 113 PIPE_CULVERT	11	ALLEGHANY	R100 FSTR	02	\$0	
	18311.1005022	DO NOT USE - DUPLICATE (NOT A FHWA ROUTE	11	ASHE	C50 FSTR	05	\$150,000	
	18311.1005031	NOT NEEDED - COWIDE ONLY	11	ASHE	C50 FSTR	02	\$0	
	18311.1005045	DO NOT USE - DUPLICATE (USE 18311.100511	11	ASHE	C50 FSTR	02	\$0	
	18311.1005046	DO NOT USE - NOT NEEDED	11	ASHE	C50 FSTR	02	\$0	
	18311.1005078	DO NOT USE - NOT FHWA BUT FEMA RTE	11	ASHE	C50 FSTR	02	\$10,000	
	18311.1005082	Not Needed Duplicate - NC 88 NC 88 PIPE_	11	ASHE	R100 FSTR	02	\$5,000	\$7,
	18311.1005085	DO NOT USE - DEBRIS ONLY	11	ASHE	C50 FSTR	02	\$5,000	
	18311.1005102	DO NOT USE - GR REPAIRED ALREADY	11	ASHE	C50 FSTR	02	\$8,000	
	18311.1005141	DO NOT USE - PRIVATE ROAD	11	ASHE	C50 FSTR	02	\$20,000	
	18311.1005145	DO NOT USE - DEBRIS ONLY	11	ASHE	C50 FSTR	02	\$15,000	
	18311.1006038	DO NOT USE - US19 US19E ROADWAY	11	AVERY	C20 FSTR	05	\$10,000	\$5,
	18311.1006102	DO NOT USE - NOT NEEDED	11	AVERY	C50 FSTR	02	\$0	
	18311.1006114	DO NOT USE - US 19 US19E ROADWAY	11	AVERY	C50 FSTR	02	\$6,000	
	18311.1006121	DO NOT USE SHOULD BE COUNTY WIDE	11	AVERY	C50 FSTR	02	\$7,000	
	18311.1095026	DO NOTN USE WRONG WBS	11	WATAUGA	C50 FSTR	02	\$25,000	
	18311.1095029	DO NOT USE - COWIDE	11	WATAUGA	C50 FSTR	02	\$0	
	18311.1095040	DO NOT USE - DEBRIS ONLY	11	WATAUGA	C50 FSTR	02	\$8,000	
	18311.1095057	DO NOT USE - DEBRIS ONLY	11	WATAUGA	C50 FSTR	02	\$15,000	
	18311.1095063	DO NOT USE - NOT NEEDED DUPLICATE SITE	11	WATAUGA	C50 FSTR	02	\$0	
18311.1095085	DO NOT USE - DEBRIS ONLY	11	WATAUGA	C50 FSTR	02	\$40,000		
18311.1095086	DO NOT USE - CoWide Only	11	WATAUGA	C50 FSTR	02	\$15,000		
18313.1011017	DO NOT USE - NC 694 011 NC694	13	BUNCOMBE	C50 FSTR	02	\$30,000		
18313.1011019	DO NOT USE - NC694 TOWN MTN RD	13	BUNCOMBE	C50 FSTR	02	\$20,000		
18313.1011020	DO NOT USE - NC694 TOWN MTN RD	13	BUNCOMBE	C50 FSTR	02	\$5,000		

Dashboard Tabs

DNUs – Projects marked as “Do Not Use,” duplicates, or not needed based on WBS description text.

No Expenditures – Projects with 20 percent or more site completion but no recorded expenditures.

No Engineering Estimate – Projects missing an engineering estimate.

No Percent Complete – Projects with expenditures but no site completion percentage recorded.

Low Engineering Estimate Based on Expenditures – Projects where the percentage of expenditures over engineering estimate is more than double the site completion percentage.

Expenditures Seem Low Based on Percent Complete – Projects where site completion percentage is more than double the percentage of expenditures over engineering estimate

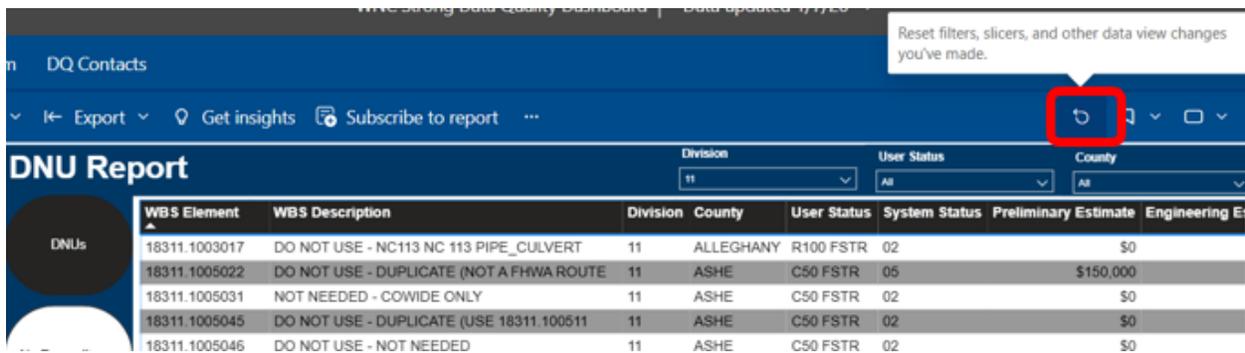
All Helene WBSs for Divisions 11, 13, 14 - All FEMA (DF183) and FHWA (183) Helene projects for divisions 11, 13, and 14.

Filtering and Exporting Data

Using Filters

Filters appear at the top of each page. You may filter by Division, County, or User Status. All pages are limited to Divisions 11, 13, and 14. GPS records with latitude equal to 0 are excluded automatically from all tabs except DNUs.

To clear filters, click the  button.

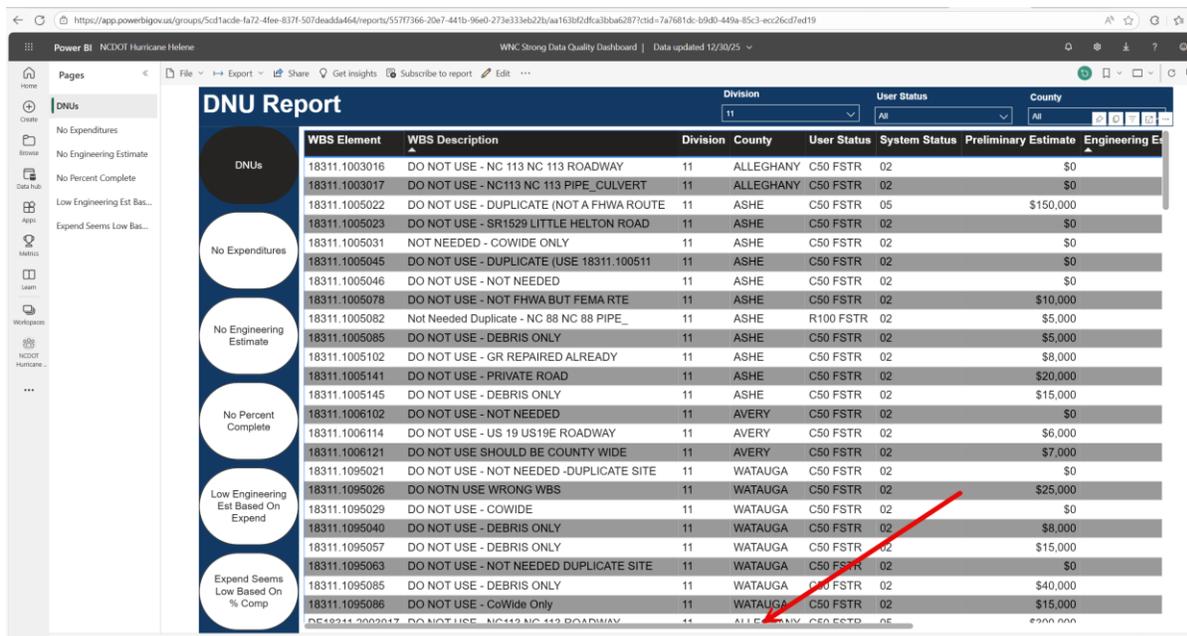


Reset filters, slicers, and other data view changes you've made.

WBS Element	WBS Description	Division	County	User Status	System Status	Preliminary Estimate	Engineering Estimate
18311.1003017	DO NOT USE - NC113 NC 113 PIPE_CULVERT	11	ALLEGHANY	R100 FSTR	02	\$0	
18311.1005022	DO NOT USE - DUPLICATE (NOT A FHWA ROUTE	11	ASHE	C50 FSTR	05	\$150,000	
18311.1005031	NOT NEEDED - COWIDE ONLY	11	ASHE	C50 FSTR	02	\$0	
18311.1005045	DO NOT USE - DUPLICATE (USE 18311.100511	11	ASHE	C50 FSTR	02	\$0	
18311.1005046	DO NOT USE - NOT NEEDED	11	ASHE	C50 FSTR	02	\$0	

How to Export Table to Excel

Step 1. Click the scroll bar on the bottom of the table.



WBS Element	WBS Description	Division	County	User Status	System Status	Preliminary Estimate	Engineering Estimate
18311.1003016	DO NOT USE - NC 113 NC 113 ROADWAY	11	ALLEGHANY	C50 FSTR	02	\$0	
18311.1003017	DO NOT USE - NC113 NC 113 PIPE_CULVERT	11	ALLEGHANY	C50 FSTR	02	\$0	
18311.1005022	DO NOT USE - DUPLICATE (NOT A FHWA ROUTE	11	ASHE	C50 FSTR	05	\$150,000	
18311.1005023	DO NOT USE - SR1529 LITTLE HELTON ROAD	11	ASHE	C50 FSTR	02	\$0	
18311.1005031	NOT NEEDED - COWIDE ONLY	11	ASHE	C50 FSTR	02	\$0	
18311.1005045	DO NOT USE - DUPLICATE (USE 18311.100511	11	ASHE	C50 FSTR	02	\$0	
18311.1005046	DO NOT USE - NOT NEEDED	11	ASHE	C50 FSTR	02	\$0	
18311.1005078	DO NOT USE - NOT FHWA BUT FEMARTE	11	ASHE	C50 FSTR	02	\$10,000	
18311.1005082	Not Needed Duplicate - NC 88 NC 88 PIPE_	11	ASHE	R100 FSTR	02	\$5,000	
18311.1005085	DO NOT USE - DEBRIS ONLY	11	ASHE	C50 FSTR	02	\$5,000	
18311.1005102	DO NOT USE - GR REPAIRED ALREADY	11	ASHE	C50 FSTR	02	\$8,000	
18311.1005141	DO NOT USE - PRIVATE ROAD	11	ASHE	C50 FSTR	02	\$20,000	
18311.1005145	DO NOT USE - DEBRIS ONLY	11	ASHE	C50 FSTR	02	\$15,000	
18311.1006102	DO NOT USE - NOT NEEDED	11	AVERY	C50 FSTR	02	\$0	
18311.1006114	DO NOT USE - US 19 US19E ROADWAY	11	AVERY	C50 FSTR	02	\$6,000	
18311.1006121	DO NOT USE SHOULD BE COUNTY WIDE	11	AVERY	C50 FSTR	02	\$7,000	
18311.1095021	DO NOT USE - NOT NEEDED -DUPLICATE SITE	11	WATAUGA	C50 FSTR	02	\$0	
18311.1095026	DO NOTN USE WRONG WBS	11	WATAUGA	C50 FSTR	02	\$25,000	
18311.1095029	DO NOT USE - COWIDE	11	WATAUGA	C50 FSTR	02	\$0	
18311.1095040	DO NOT USE - DEBRIS ONLY	11	WATAUGA	C50 FSTR	02	\$8,000	
18311.1095057	DO NOT USE - DEBRIS ONLY	11	WATAUGA	C50 FSTR	02	\$15,000	
18311.1095063	DO NOT USE - NOT NEEDED DUPLICATE SITE	11	WATAUGA	C50 FSTR	02	\$0	
18311.1095085	DO NOT USE - DEBRIS ONLY	11	WATAUGA	C50 FSTR	02	\$40,000	
18311.1095086	DO NOT USE - CoWide Only	11	WATAUGA	C50 FSTR	02	\$15,000	

Step 2. At the top right of the table two boxes should appear. Click the box with 3 dots [...]

Division	User Status	County
All	All	All

County	User Status	System Status	Preliminary Estimate	Engineering Estimate
ALLEGHANY	R100 FSTR	02		\$0

Step 3. A Dropdown will appear. Click “Export data”.

Division	User Status	County
11	All	All

County	User Status	System Status	Preliminary Estimate	Engineering Estimate
ALLEGHANY	C50 FSTR	02		
ALLEGHANY	C50 FSTR	02		
ASHE	C50 FSTR	05		\$150
ASHE	C50 FSTR	02		
ASHE	C50 FSTR	02		
ASHE	C50 FSTR	02		\$0

- Share
- Add a comment
- Export data
- Show as a table
- Spotlight
- Get insights
- Sort descending
- Sort ascending
- Sort by

Step 4. A popup will appear asking “Which data do you want to export?” Click the first option “Data with current layout”. This option will export this data in the same layout you see now, but without any icons, colors, or other formatting you added. Then click **Export**.

DNU Report

Division: 11 | User Status: All | County: All

WBS Element	WBS Description	Division	County	User Status	System Status	Preliminary Estimate	Engineering Estimate
18311.1003016	DO NOT USE - NC-113 NC-113 ROADWAY	11	ALLEGANY	C50 FSTR	02	\$0	
18311.1003017	DO NOT USE - NC-113 NC-113 ROADWAY	11	ALLEGANY	50 FSTR	02	\$0	
18311.1005022	DO NOT USE - NC-113 NC-113 ROADWAY	11	ALLEGANY	50 FSTR	05	\$150,000	
18311.1005023	DO NOT USE - NC-113 NC-113 ROADWAY	11	ALLEGANY	50 FSTR	02	\$0	
18311.1005031	DO NOT USE - NC-113 NC-113 ROADWAY	11	ALLEGANY	50 FSTR	02	\$0	
18311.1005045	DO NOT USE - NC-113 NC-113 ROADWAY	11	ALLEGANY	50 FSTR	02	\$0	
18311.1005046	DO NOT USE - NC-113 NC-113 ROADWAY	11	ALLEGANY	50 FSTR	02	\$0	
18311.1005078	DO NOT USE - NC-113 NC-113 ROADWAY	11	ALLEGANY	50 FSTR	02	\$10,000	
18311.1005082	DO NOT USE - NC-113 NC-113 ROADWAY	11	ALLEGANY	100 FSTR	02	\$5,000	
18311.1005085	DO NOT USE - NC-113 NC-113 ROADWAY	11	ALLEGANY	50 FSTR	02	\$5,000	
18311.1005102	DO NOT USE - NC-113 NC-113 ROADWAY	11	ALLEGANY	50 FSTR	02	\$8,000	
18311.1005141	DO NOT USE - NC-113 NC-113 ROADWAY	11	ALLEGANY	50 FSTR	02	\$20,000	
18311.1005145	DO NOT USE - NC-113 NC-113 ROADWAY	11	ALLEGANY	50 FSTR	02	\$15,000	
18311.1006102	DO NOT USE - NC-113 NC-113 ROADWAY	11	ALLEGANY	50 FSTR	02	\$0	
18311.1006114	DO NOT USE - NC-113 NC-113 ROADWAY	11	ALLEGANY	50 FSTR	02	\$6,000	
18311.1006121	DO NOT USE - NC-113 NC-113 ROADWAY	11	ALLEGANY	50 FSTR	02	\$7,000	
18311.1095021	DO NOT USE - DEBRIS ONLY	11	WATAUGA	50 FSTR	02	\$0	
18311.1095026	DO NOT USE - DEBRIS ONLY	11	WATAUGA	50 FSTR	02	\$25,000	
18311.1095027	DO NOT USE - DEBRIS ONLY	11	WATAUGA	50 FSTR	02	\$0	
18311.1095040	DO NOT USE - DEBRIS ONLY	11	WATAUGA	C50 FSTR	02	\$8,000	

Step 5. Open your Files. Go to Downloads and click the most recent download. Normally this file automatically saves as “data”. Rename the Excel as needed.

Downloads

Search Downloads

Name	Date modified	Type	Size
data (1)	1/2/2026 9:57 AM	Microsoft Excel W...	6 KB

Frequently Asked Questions

Please refer to this source for information regarding how to navigate the dashboard and access important information surrounding the data.

1. How can I share the dashboard internally?

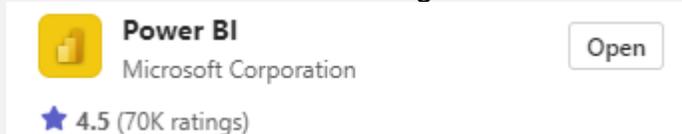
Only the data quality contacts from divisions 11, 13, 14 and the SIPS data team have access to this dashboard. To request access for additional users, email Sandy Jiggetts at SIPSData@ncdot.gov.

2. Where can I access the Dashboard?

<https://app.powerbigov.us/groups/me/apps/2f0b6401-bbde-4675-90c7-17809394045d/reports/557f7366-20e7-441b-96e0-273e333eb22b?ctid=7a7681dc-b9d0-449a-85c3-ecc26cd7ed19>

To view on Microsoft Teams:

1. Ensure that you have the PowerBI app added to your MS Teams interface by selecting “Apps” on the left taskbar and searching “PowerBI”.
2. Download the PowerBI widget:



3. Open the widget. If the dashboard has been shared with you, you will be able to see the document in your recent files.

To view on Office 365:

1. Go to portal.office.com and you will be auto logged in if you are connected to the NCDOT network.
2. Click the apps icon in the upper lefthand corner of your browser. Select PowerBI widget.
3. If the dashboard has been shared with you, you will be able to see the document in your recent files.

3. How often is the data within the dashboard updated?

Automatic refresh is scheduled for 7am daily. If you need an ad hoc refresh, email Sandy Jiggetts at SIPSData@ncdot.gov.

4. What is the data source for this dashboard?

SAP HANA DISASTER_MANAGEMENT data model

5. I have a question about this dashboard. Who do I contact?

For questions or comments, email Sandy Jiggetts at SIPSData@ncdot.gov.
