NDRAM/BLE STATS

NORTH DAKOTA RISK ASSESSMENT MAPSERVICE AND BASE LEVEL ENGINEERING

NDRAM is a tool designed by the Water Commission that allows users to visually display current flood risks, both approximate floodplains from BLE, and effective regulatory floodplains from FEMA's National Flood Insurance Program (NFIP).

This new tool provides users with water surface elevations, flood depths, and the ability to download engineering model data.

Displays multiple sized flood events

- 10% (10 year)
- 4% (25 year)
- 2% (50 year)
- 1% (100 year)
- 0.2% (500 year)

recurrence of interval events.

$33 MILLION

public investment represented in NDRAM forward-facing datasets.

500+ community stakeholders engage around the state, 86 in-person meetings, 429 community maps presented, 7,658 miles driven.

53

North Dakota is the first state to have base level engineering completed in every county.

It took 24 months of time and effort to create data and have it available to all North Dakotans.

47

Over 47 terabytes of data available to the general public.

Over 17% of the state has been BLE identified as having a high risk, 1% annual chance flood event. The NFIP only identifies 2.5% of the state as having a high flood risk.

All products developed for BLE effort are available for download and are provided free of charge through NDRAM.

Provides live National Weather Service Warnings. Useful for planning, mitigation, and disaster recovery action.

COLLABORATIVE EFFORT

TEAM MEMBERS

NORTH Dakota | Water Commission
Be Legendary.

NDDES Homeland Security State Radio

FEMA

STATE ENGINEER'S MESSAGE

"This innovative map viewer is an incredible asset for residents, emergency managers, and community leaders seeking flood risk information," said State Engineer Garland Erbele. "NDRAM offers an invaluable service that will help generate informed decisions regarding flood preparedness and will increase public awareness."

NORTH Dakota | Water Commission
Be Legendary.

Floodplain Management • 701.328.2750

Visit **ndram.swc.nd.gov** to access the flood data viewer

December 2019