

# North Dakota's Water Resources

## LEGEND

- Major Drainage Basin Waterbodies
- Other Rivers, Streams & Lakes
- Regional & Rural Water Systems
- Glacial Drift Aquifers
- Irrigation Districts With Water Permits (or application)
- Outlets/Canals
- Continental Divide
- Native American Reservations
- Dams (>5,000 Acre-Foot Normal Operating Pool)
- ND Game & Fish Wildlife Management Areas
- National Wildlife Refuges (NWR)
- National Parks
- State Parks
- Cities (Pop. >1,000) Or County Seats
- State Highway
- County Line
- Interstate Highway

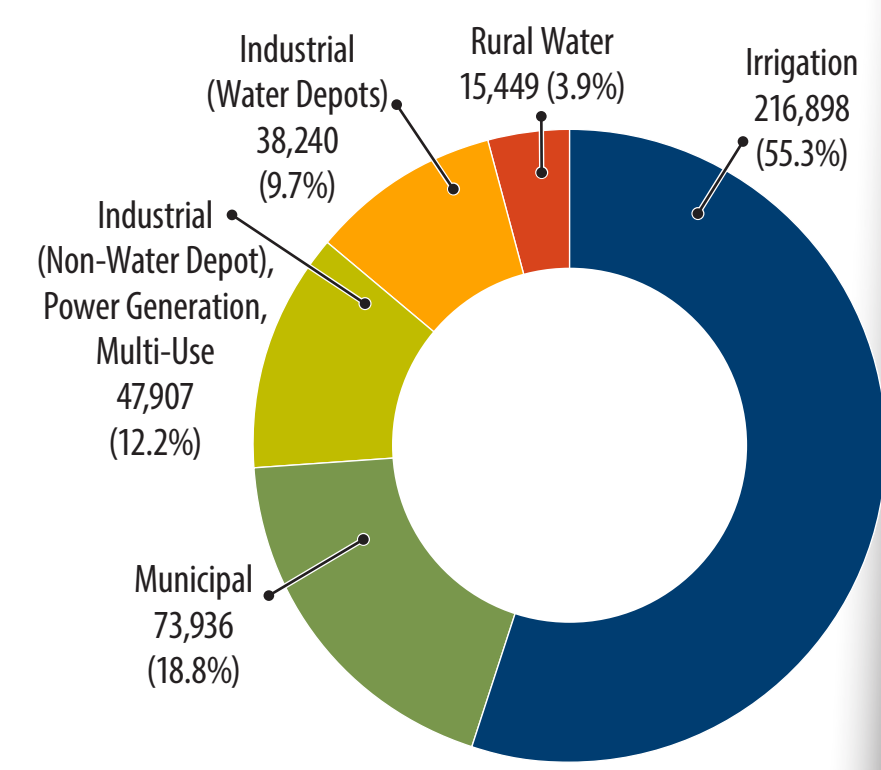
## Major Drainage Basins



- Missouri River Basin
- Mouse River Basin
- Devils Lake Basin
- James River Basin

## 2023 Consumptive Water Use In North Dakota (Acre-Feet)

Total Consumptive Use = 392,430 Acre-Feet

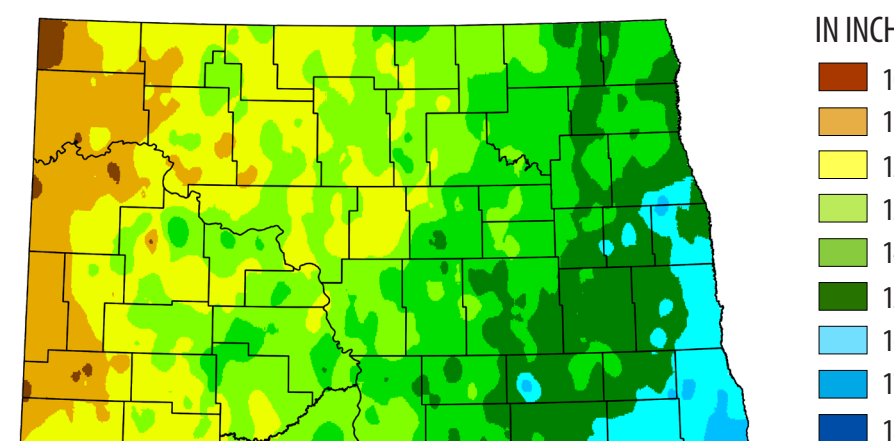


## Stream Flow Characteristics In North Dakota

RIVER	ANNUAL MEAN FLOW*	MAX. PEAK FLOW**
1 Missouri River, Bismarck	22,633	155,000 (6/25/11)**
2 Red River, Drayton	5,146	124,000 (4/24/97)
3 Red River, Fargo	865	29,500 (3/28/09)
4 Little Missouri River, Medora	445	65,000 (3/23/47)
5 Mouse River, Westhope	339	30,400 (7/5/11)
6 Sheyenne River, Lisbon	325	9,250 (4/16/09)
7 Heart River, Mandan	266	30,500 (4/19/50)
8 Pembina River, Neche	272	17,500 (5/21/13)
9 Cannonball River, Breien	247	94,800 (4/19/50)
10 James River, La Moure	238	12,200 (4/15/09)
11 Knife River, Hazen	169	35,300 (6/24/66)
12 Maple River, Enderlin	83	7,610 (6/30/75)

\* Annual Mean Flow and Max Peak Flow are reported in cubic feet per second. Annual Mean Flow: The arithmetic mean for the individual daily mean discharges for the reported water years. Max Peak Flow: The maximum instantaneous peak discharge that occurred during the reported water years.  
\*\* Post Dam Construction

## 30 Year Average Rainfall 1994-2023 (April-September)

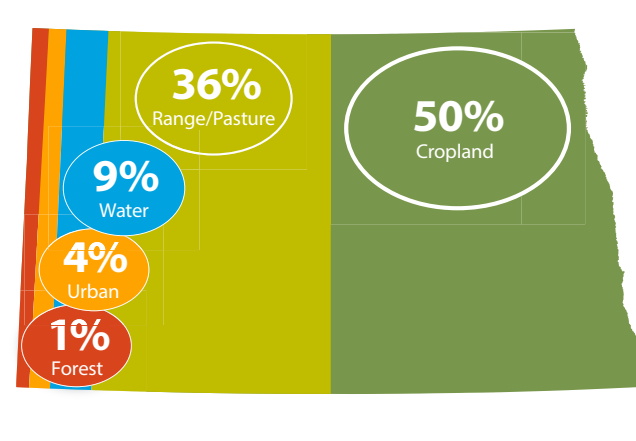


## Rain & Snow Records

STATEWIDE RAIN RECORDS				
TIME	PLACE	AMOUNT*	DATE	
HIGH	24 hrs.	Gilby	10.05	June 13, 2000
	1 mo.	Mohall	14.01	June 1944
	1 yr.	Minot	37.98	1944
LOW	1 yr.	Parshall	4.02	1934

STATEWIDE SNOWFALL RECORDS				
TIME	PLACE	AMOUNT*	DATE	
HIGH	24 hrs.	Foxholm	32.0	April 2022
	1 mo.	Minot	35.4	April 1970
	1 yr.	Bismarck	103.1	1996
LOW	1 yr.	Jamestown	9.02	1958

## Land Cover



## Groundwater Monitoring Wells

