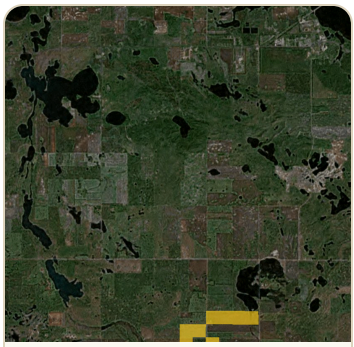
HOCH MAPS · MAP LAYERS

See everything. Every layer below is real data from the app, built for North Dakota.

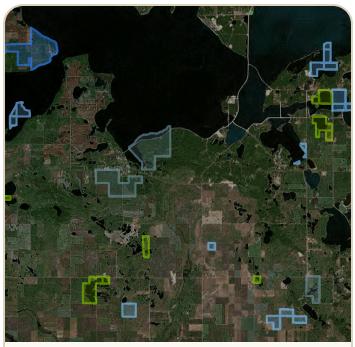
Turn on as many as you want from **Layers**. Most work offline once you save an area. Pictures are straight from the app.

More than North Dakota: pick your home state and turn on the states next to it. Minnesota, South Dakota and Montana show public hunting land, walk-in and Block Management access, hunting units and districts, boat ramps and state parks, each labeled with its state, from each state's own agency. More states are coming.

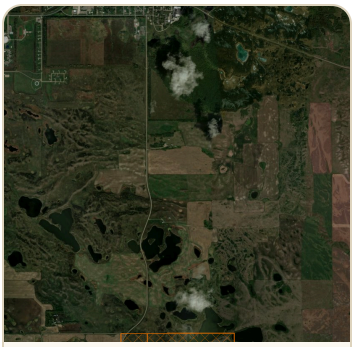
HUNTING LAND



PLOTS walk-in areas
Every PLOTS walk-in tract from ND Game & Fish, on the map and saved for offline.



WMAs & other public lands
WMAs, state and federal land, waterfowl production areas, grasslands and more, in calm colors.

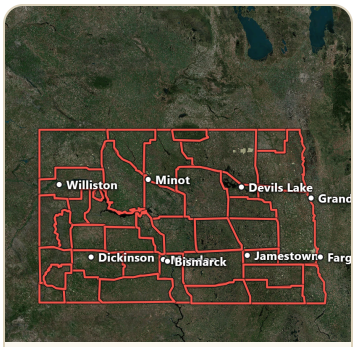


Electronically posted lands
Land posted electronically by owners, so you know before you walk in.

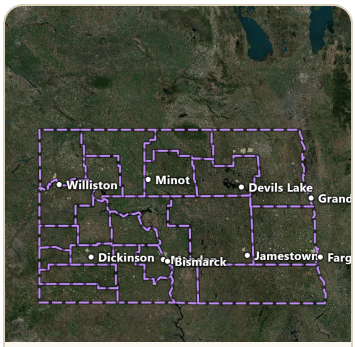


Landowners and Parcels
Property lines statewide; tap a parcel for the owner to ask permission.

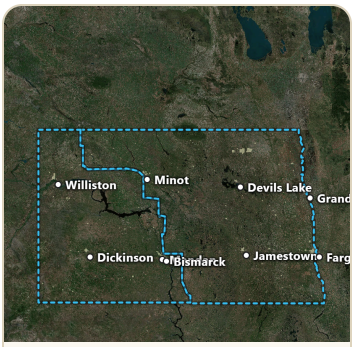
HUNTING UNITS



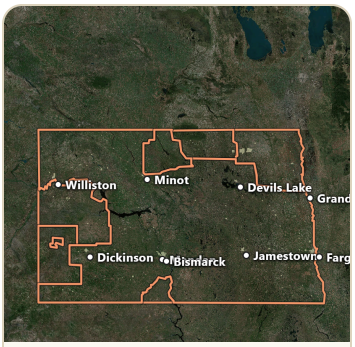
Deer units
NDGF deer units, tap for the unit and its license info. Works offline.



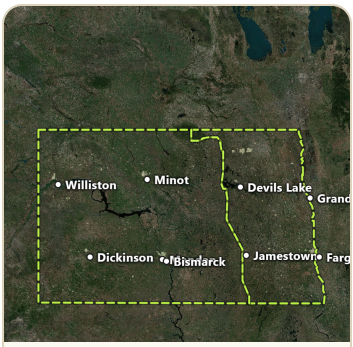
Turkey units
Spring and fall turkey units.



Waterfowl zones
Waterfowl hunting zones.

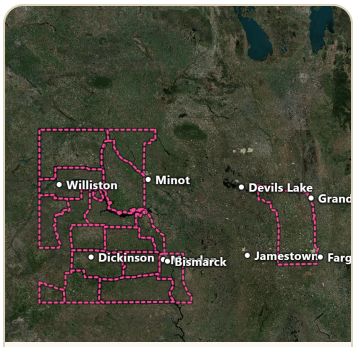


Elk, moose, pronghorn & sheep
Elk, moose, pronghorn and bighorn sheep units.



Sandhill crane units

Sandhill crane units.



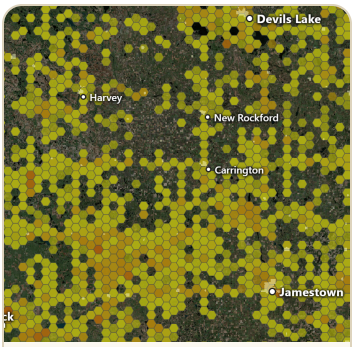
CWD areas

Chronic wasting disease areas and carcass rules.



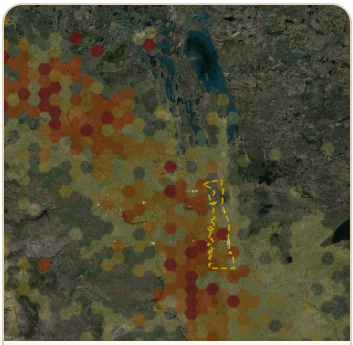
Native range

Where each game species belongs, where it's gone and what was brought in, from USGS range maps. Elk once lived across the whole state.



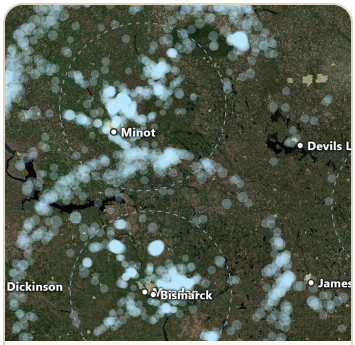
Seen in the last 10 years

Live reports from eBird, iNaturalist and surveys for any species, so you see where they are now.



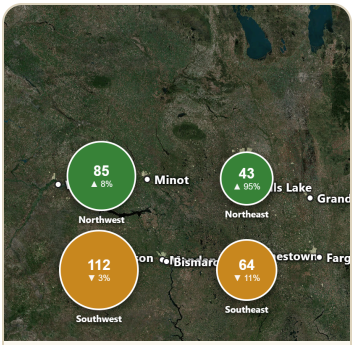
Migration & flyways

Every migratory game bird, month by month: press play and watch snow geese, pintails or sandhills move up and down the flyway, with the peak months in North Dakota.



Bird lift-offs

Snow geese and other big flocks leaving roost lakes and flying overhead, from weather radar scanned around the clock in migration season. Play it like the weather radar, and ask Hawk if they'll still be there Saturday.



Bird & deer outlook

This fall's Game and Fish surveys: pheasants per 100 miles in each region with the change from last year, sharptails, Huns, the deer outlook and season dates.

RIVER WATCH & LIDAR



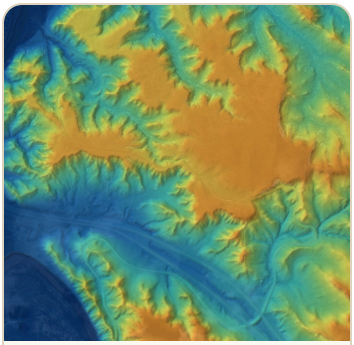
Newest satellite (River Watch)

The newest cloud-free satellite pass, days old instead of years: see this week's water and fields.



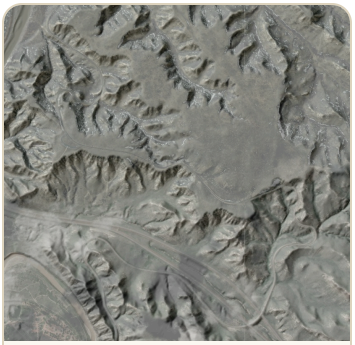
Shallow water & sandbars

Satellite view tuned to show sandbars, shoals and mudflats on the Missouri.



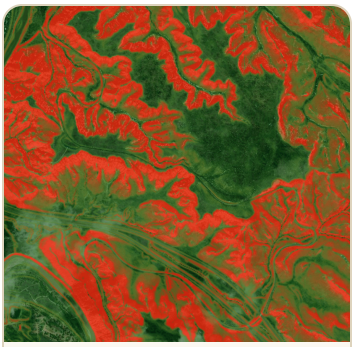
Lidar micro-relief

USGS lidar colors every foot of rise and dip: draws, benches, old channels and potholes under the grass.

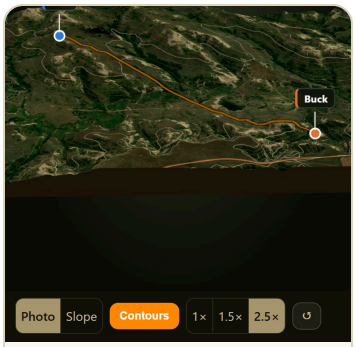


Lidar hillshade

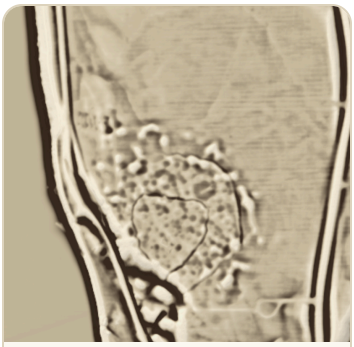
Bare-earth lidar hillshade: every coulee and ridge, trees and grass stripped away.



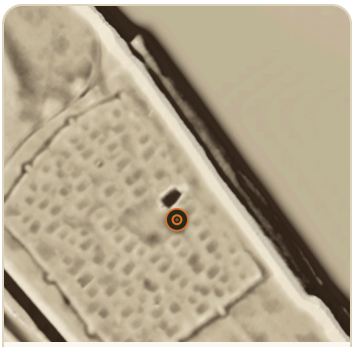
Slope (lidar)
Flat to steep in color: plan easier walks and find benches.



3D terrain view
Any ground, or a property you tapped, in real 3D from USGS lidar: spin it, slope colors, contours, where the water runs, and how hard the walk is.



Lidar ground detail
Every dip and rise of a foot or two, from the full 1-meter lidar: old village ditches, lodge pits, trails and buried channels. Here, Double Ditch Indian Village north of Bismarck.



Ancient earthworks
Earthlodge villages you can barely see in a photo, on lidar: fortification ditches, bastions and lodge pits at 11 public historic sites, each with its story and a See it on lidar button.

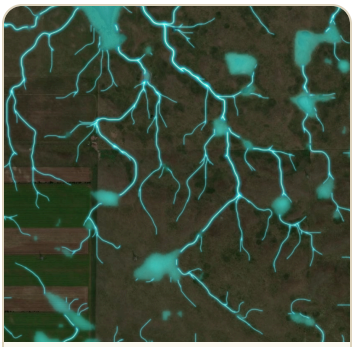
Shown in season

Vegetation density
From lidar: how thick the tree cover is, how tall the trees are, and where the brush is thick 3 to 13 ft up, where deer bed. Turtle Mountains first.



Contours
1, 2, 5 or 10 ft contour lines from lidar.

FARM, RANCH & DRAINAGE



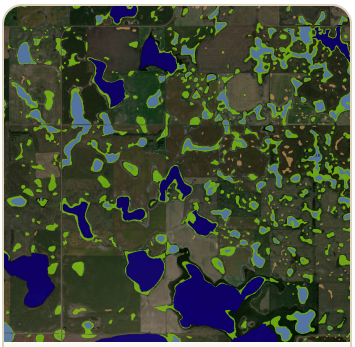
Water drainage
Where rain runs and where it sits, worked out from lidar and drawn as glowing streams and pools, down to field ditches. Tap a spot for the acres that drain through it, or how deep a low spot gets and how many acre-feet it holds.



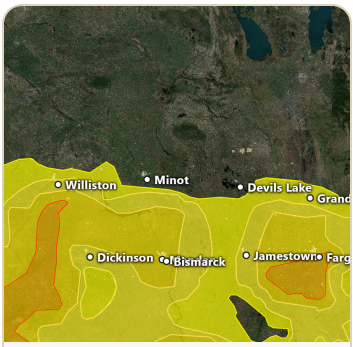
Water flow (drainage)
Arrows show which way water runs, for drainage, tile and waterway planning.



Soils
USDA soil map units; tap for the soil type.

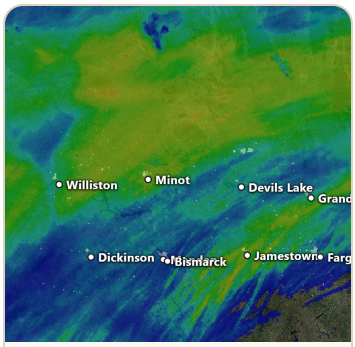


Wetlands
National Wetlands Inventory: every mapped wetland and slough.



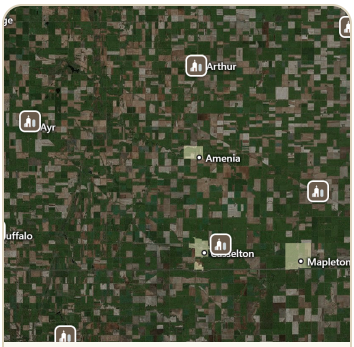
Drought monitor

This week's U.S. Drought Monitor.



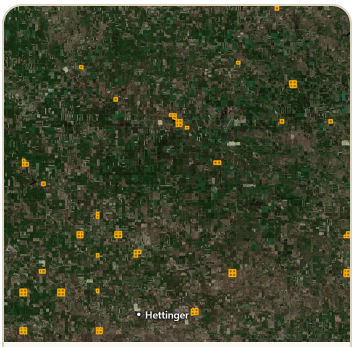
Rainfall (24 & 72 hours)

Radar rainfall totals for the last 24 or 72 hours.



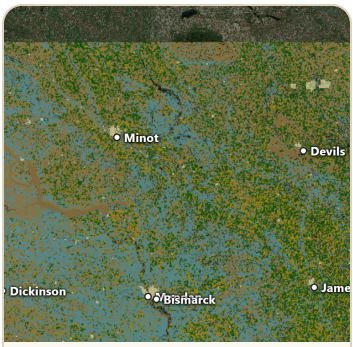
Grain elevators & today's prices

Every licensed grain elevator, pinned on its bins, with USDA's cash prices for corn, beans and wheat in that part of the state, updated every market day.



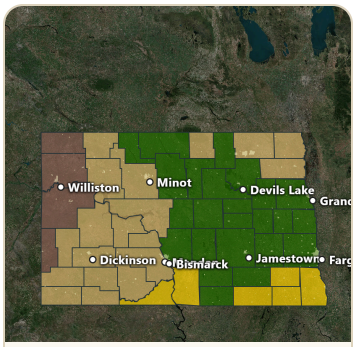
State land for lease

The school trust land up for grazing and farm leases at this season's county auctions: acres, minimum rent and the auction date.



What's planted (experimental)

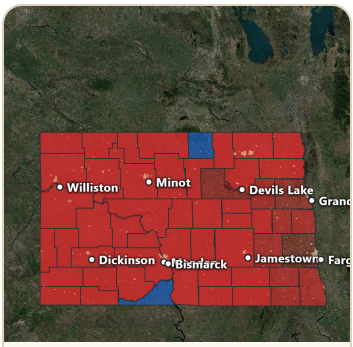
Every field in the state by crop: pick crops to light up, each in its own color. Tap a field for its crop each of the last 9 years, a guess at this year's, and whether it's been harvested (satellite pictures and radar).



Crops by county

Last year's crops as percentages statewide, the top counties for each crop, and each county's biggest crop.

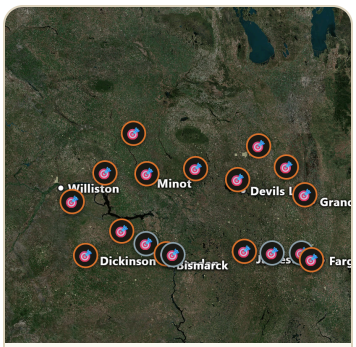
POLITICS



Elections by county

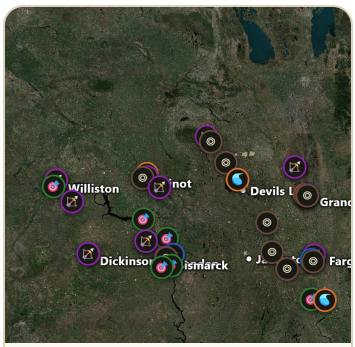
Every statewide race and measure since 2000 by county, live on election night, plus the next election's nominees, ratings and polls.

SHOOTING SPORTS



Trapshooting

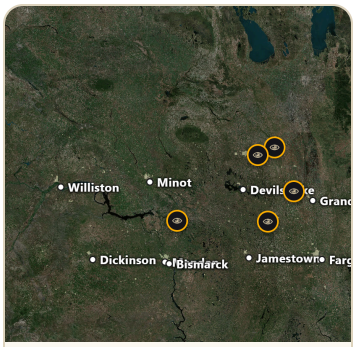
Every ATA gun club and North Dakota trap shoot with programs and results, plus your own scorecard: enter each 25, then the official ATA score beside it.



Ranges, clubs & leagues

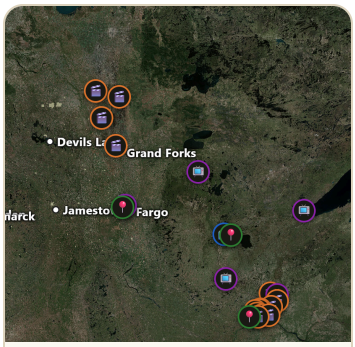
Game and Fish public ranges, skeet and sporting clays, rifle and pistol clubs, archery clubs, and where the high school leagues shoot, with every league and association to join.

MOVIES & LEGENDS



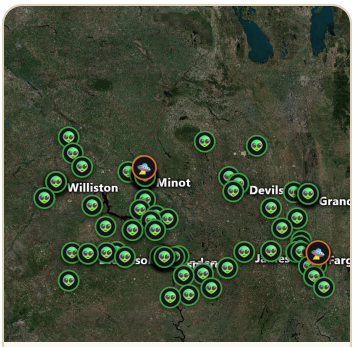
Conspiracy theories

The Nekoma pyramid, Cavalier's radar, "North Dakota doesn't exist" and more: what people say, and what's actually documented.



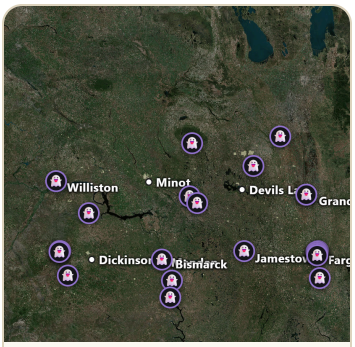
Fargo, the movie & series

Where the 1996 movie was really filmed, from Minneapolis to Bathgate, where the story happens, what's still standing (the woodchipper), and every season of the show.



UFO sightings

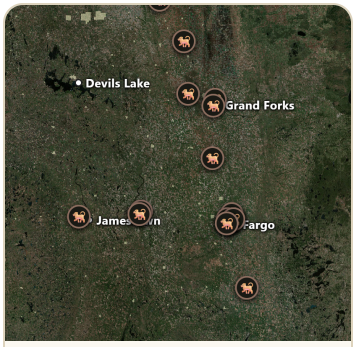
Every reported sighting in ND by date, shape and how long, plus the 1948 Fargo dogfight and the 1968 Minot case the Air Force investigated.



Haunted places

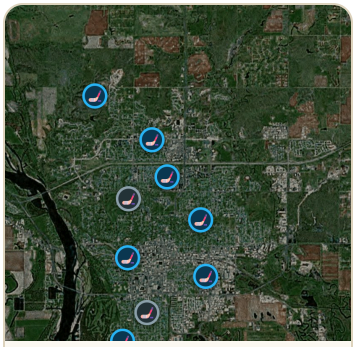
The legends of North Dakota's haunted places, with each place's real history.

COMMUNITY



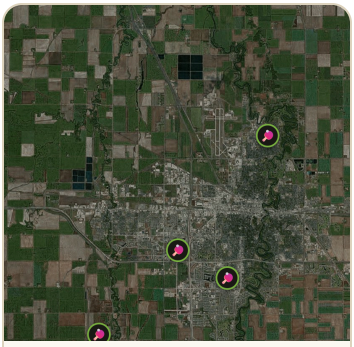
Dog parks

Every mapped dog park in the state: fenced, water and small-dog areas where known.



Ice rinks & pickup hockey

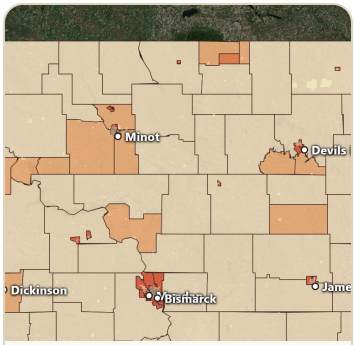
Every rink in the state, with warming-house hours and prices in Bismarck and Grand Forks. Tap "Get a game going" and others see the time and how many are coming (no names).



Pickleball courts & games

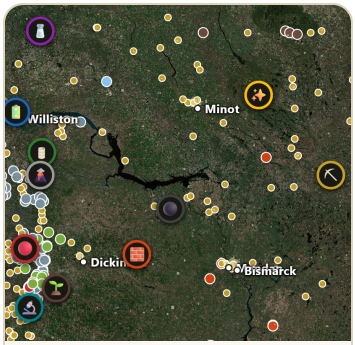
Courts across the state with how many, indoor or out and lights. Add one that's missing, or tap "Get a game going": others see the time, the kind of play and how many are coming (no names).

NATURE & LEARNING



Population density

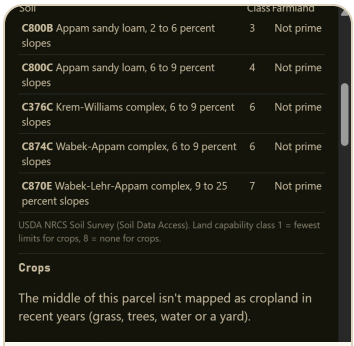
People per square mile for every neighborhood in the state, from empty prairie to city blocks. Tap one for its people, homes, median age, income, kids and seniors.



Natural resources & minerals

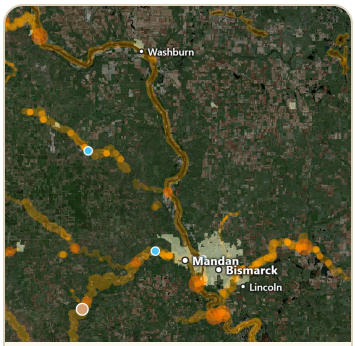
What's in the ground: lignite, oil, potash and salt, leonardite, rare earths, lithium, scoria and clay, with 322 mines and pits from USGS records.

LAND



Property report (Hoch Maps: Properties)

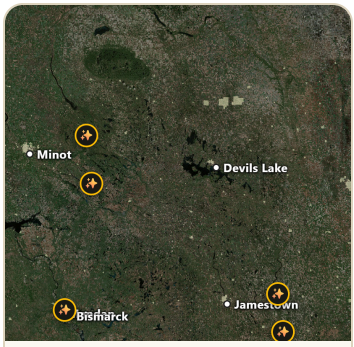
One tap on a parcel: soils and how good they are, crop history, terrain, flood zones and wetlands, public land next door, grain bids.



Arrowheads

Where you'd most likely find one (by rivers, where creeks meet, old lake beaches, dry creeks right now from live stream gauges) and whether you could keep it on that land.

HISTORY



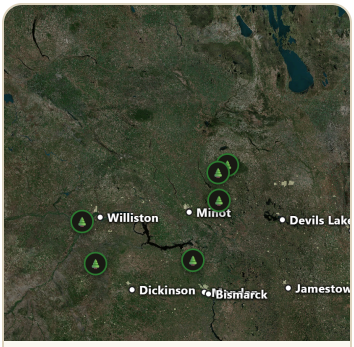
Gold rushes & panning

North Dakota's little gold rushes (Fort Ransom 1884, Denbigh 1908 and the 1931 turkey-nugget rush) and where flour gold turns up.



Mining history

Lignite from 1873 wagon mines to today's giant draglines, and the uranium mines of the 1960s.



Logging history

Turtle Mountain timber, the woodhawks who fed the steamboats, Lewis and Clark's cottonwood canoes and the shelterbelts.



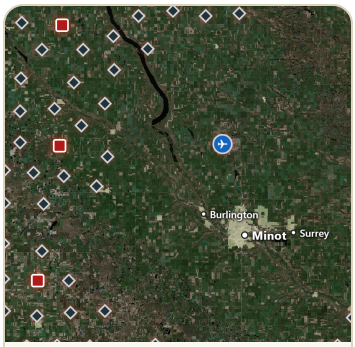
Lewis & Clark Trail

The Corps of Discovery's route out and back, every important stop with what happened there, and their long winter at Fort Mandan.



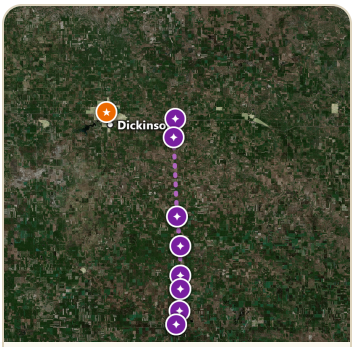
North Dakota history

Custer's 1876 march, the 1863-64 battlefields, frontier forts, Garrison Dam and the drowned towns, bonanza farms, rock art and famous North Dakotans.



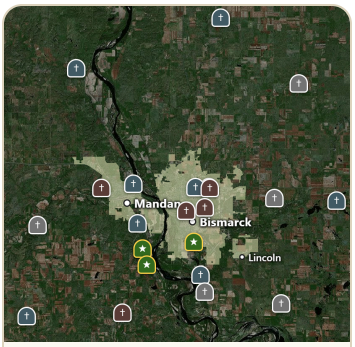
Missile sites

Minuteman III silos and launch control sites, retired Grand Forks sites, and Oscar-Zero you can tour.



Roadside attractions

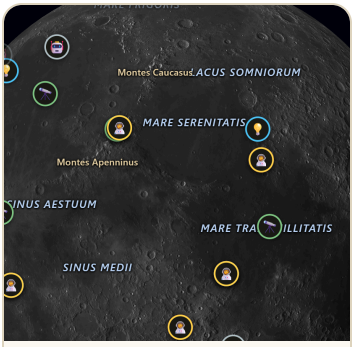
The Enchanted Highway's giant scrap-metal sculptures, Salem Sue, the World's Largest Buffalo, Sandy the Sandhill Crane and more, each with its story.



Cemeteries

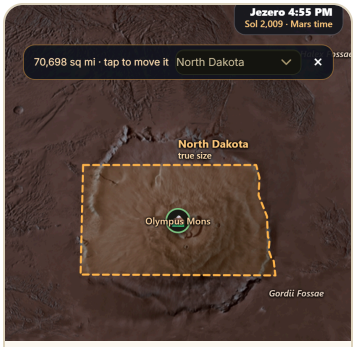
Over 2,000 cemeteries, each kind with its own pin: military and fort post cemeteries, church, town, rural and family, tribal, and old or moved ones. Outlines when you zoom in.

SPACE



The Moon

Fly to the Moon and explore it like the ND map: NASA photos and laser elevation, every Apollo site up close with its flag and laser reflector, robot landers, the missions coming next, and the Moon's UFO and conspiracy stories.



Mars

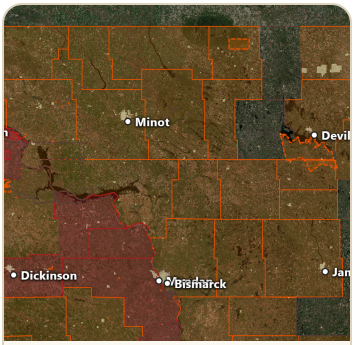
Fly to Mars and explore it the same way: NASA photos and laser elevation, every rover and lander up close with where it drove, Ingenuity's 72 flights, Mars time and weather, your state laid over Mars at true size, and the Face on Mars and other mysteries.



Solar System

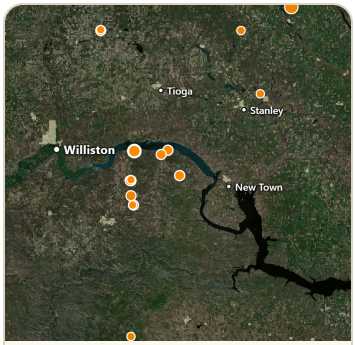
The Sun live from NASA, every planet, Pluto and the big moons on real NASA maps: size next to North Dakota, your weight there, when to see it tonight, every mission and what's next. Peel Earth open to its core, with this week's earthquakes and volcanoes.

PUBLIC SAFETY



Fire bans & burn restrictions

Every county, city and tribe's burn restrictions from the state's daily map: what's banned today, what gets added if fire danger rises, and who to call.



Fires seen from space

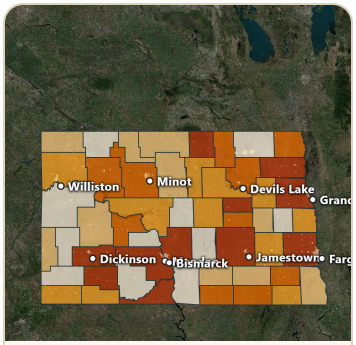
NASA satellite hot spots from the last 24 hours or 7 days, newest in red, with oil-field gas flares sorted out.



Flood zones

FEMA's official flood maps, drawn sharp: tap any spot for its zone in plain English (100-year, 500-year or minimal risk).

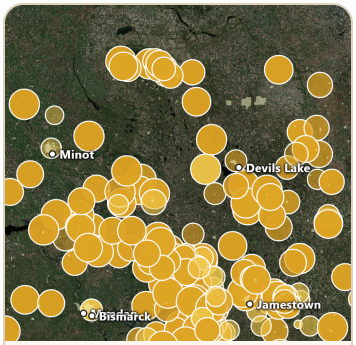
HEALTH



COVID-19 by county

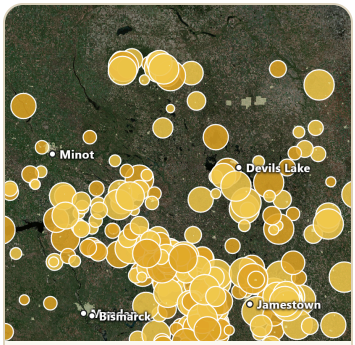
Cases, deaths and vaccination for every county from official sources, a month-by-month chart, the timeline of closures, mask orders and laws, and the vaccine risks the CDC and FDA confirmed. No spin either way.

FISHING



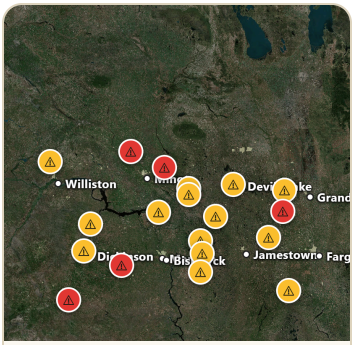
Fish stocking

Every fish ND Game and Fish has stocked since 2016, lake by lake. Tick walleye and perch (or any species) and the years, and tap a lake for its whole stocking history.



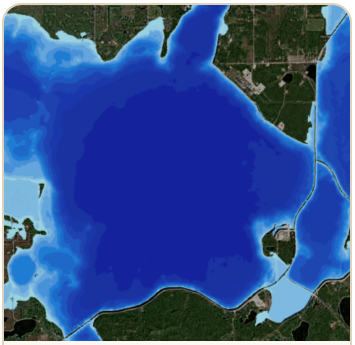
Netting surveys

What Game and Fish's survey nets caught every summer since 2015: fish per net, average and biggest size, keepers and a size chart for every lake.



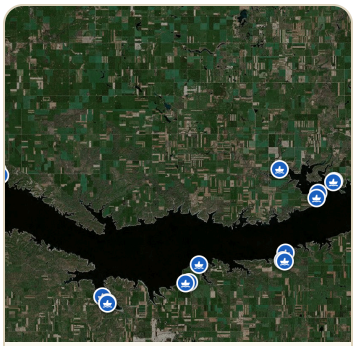
Blue-green algae

Every lake under a DEQ harmful algal bloom advisory or warning, checked every 6 hours, with what it means for swimming, fish and dogs.



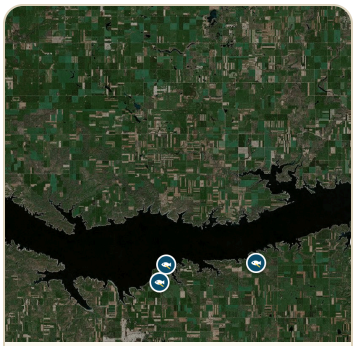
Lake depths

NDGF lake contour maps; tap a lake for depths and fish surveys.



Boat ramps

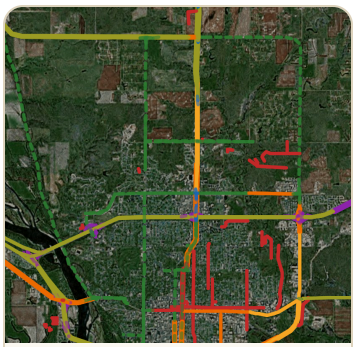
Every boat ramp, saved for offline.



Fish cleaning stations

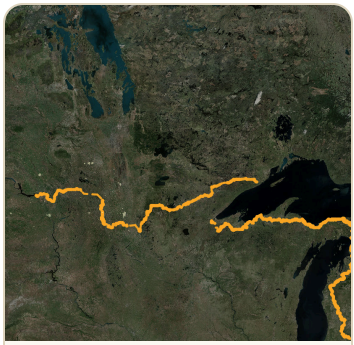
All 73 public fish cleaning stations from ND Game & Fish, at the boat ramps and access sites.

ROAD REPORT

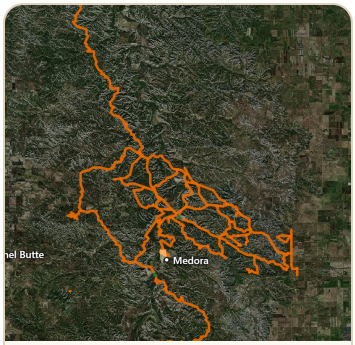


Speed limits
Posted limits on every state and federal highway from NDDOT, plus OpenStreetMap's posted roads. In directions, the speed sign sits beside your speed (works on a plane too), and arrival times use the limits and your own pace.

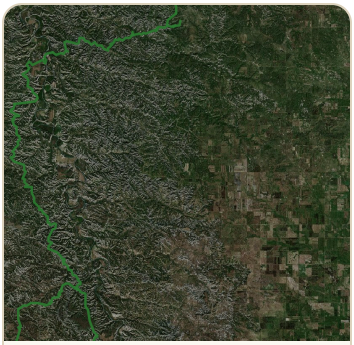
TRAILS



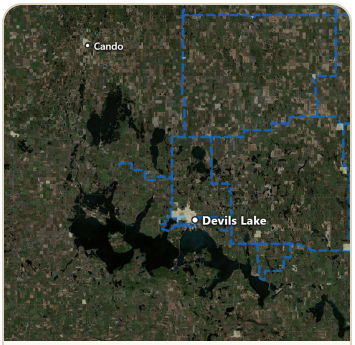
North Country Trail
The 4,600-mile trail from Lake Sakakawea to Vermont, with road walks, camping, parking, shelters and water.



ND trails
Hiking, biking, horse and OHV trails statewide.

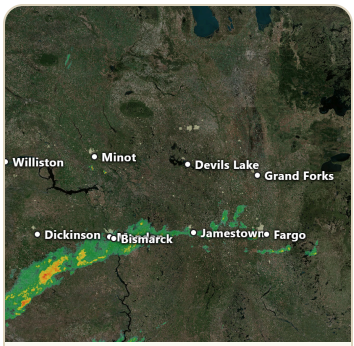


Maah Daah Hey
The Maah Daah Hey and national grassland trails.



Snowmobile trails
Snowmobile trails for winter.

WEATHER



Live radar
Live NEXRAD radar; tap anywhere for wind and the forecast.

Shows when active

Warnings & alerts
National Weather Service warnings: tornado, severe, winter, fire.

Shows when active

Clouds
GOES satellite clouds, day and night.

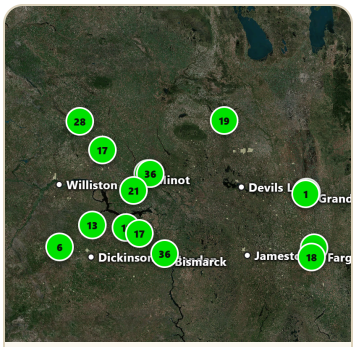
Shows when active

Lightning
Recent lightning strikes, plus an optional alert when it's close.



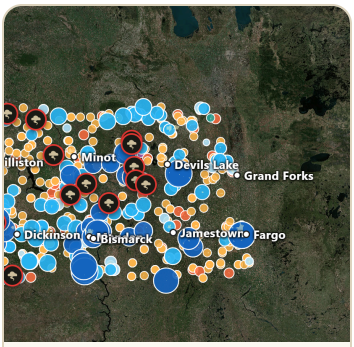
Northern lights tonight

NOAA's aurora forecast as a soft glow on the map, and your chance of seeing it tonight.



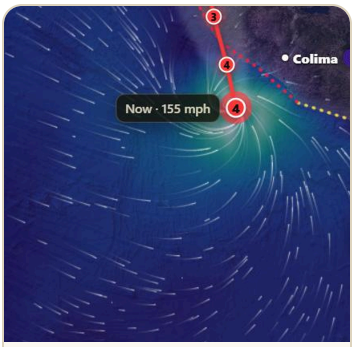
Smoke & air quality

The National Weather Service smoke forecast hour by hour, and the air quality index at every monitor.



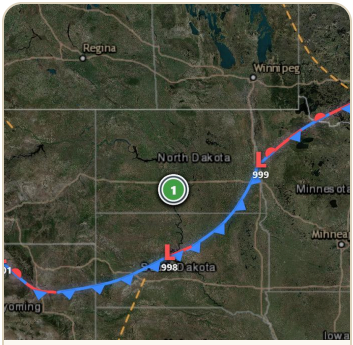
Hail & storm reports

Every National Weather Service storm report: hail by stone size, wind, tornadoes and flash floods, for the last day up to the season.



Big storm tracker

Shows up by itself only during a major storm anywhere in the US: blizzards, ice storms, hurricanes, flash flooding, big severe days. Tap it to fly there: live NOAA wind drifts across the map, the area glows, hurricanes show the track colored by strength and the cone, towns show the expected wind or snow, and a card gives the official numbers and what it means for travel, power, livestock and your hunt.



Weather fronts

The Weather Prediction Center's cold, warm and stationary fronts and highs and lows, now and up to two days ahead: press play and watch a cold front sweep in. Tap one for when it reaches you and what changes: wind shift, how much the temperature drops.

Shows when active

Snow depth & spring melt

Daily snow depth in fall and winter, and water in the snowpack for spring melt.



Water right now

Where water is on the ground right now, seen by radar through clouds: open water, flooded fields and the sloughs and potholes holding water for ducks. Every state, the last two weeks.



Green-up

How green the grass, crops and trees are, from NASA's satellites every 8 days: spring green-up and fall die-off, every state.

ALSO ON THE MAP



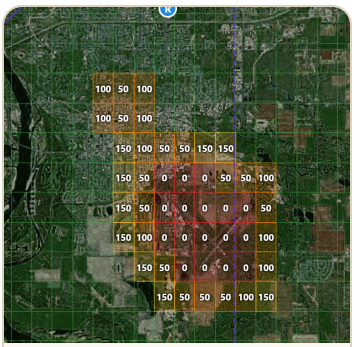
Outhouses & public restrooms

Nearly 500 outhouses and public restrooms at boat ramps, parks and trailheads, with wheelchair access noted.



Aircraft overhead

Live planes overhead: tail number, route, altitude and ETA.



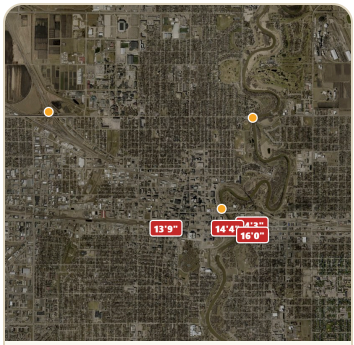
Drone airspace

Where drones can fly and how high: FAA ceilings near airports, no-fly areas, live flight restrictions and recreational flying sites, plus North Dakota's hunting rule.



Trains & railroads

Live Amtrak trains and stations, every rail line in the state by railroad at any zoom, and every crossing with trains a day, speed and the emergency number. Directions count in the wait at busy crossings.



Bridges, clearances & weight limits

Every bridge's clearance, width, weight posting and condition, posted height limits, NDDOT restrictions, spring load limits and scales. For tall, wide and heavy loads.



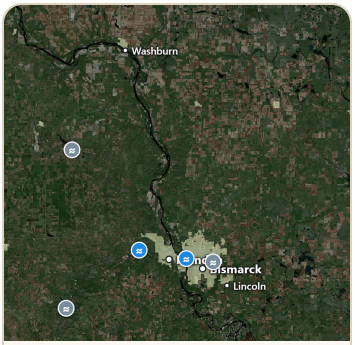
Metal detecting

Where you can detect and what you can keep: allowed land shaded, tap anywhere for the rule there, vanished towns to research, and the landonwer-permission route.



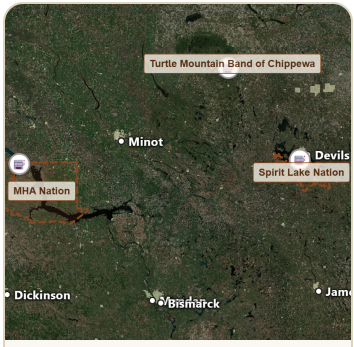
Rest areas

All 21 highway rest areas with restrooms, water, Wi-Fi, RV dump and truck parking. Free in every version.



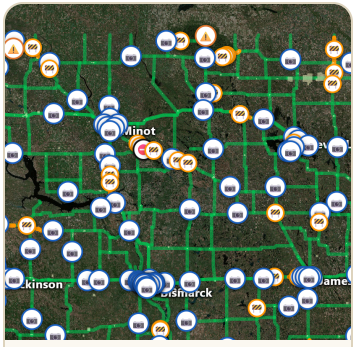
River levels

Every USGS river gauge live: flow, height, flood stage, water temperature and current, plus Garrison Dam and the big lakes.



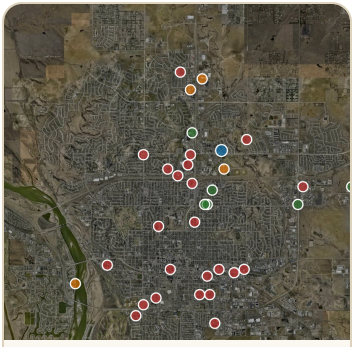
Reservations

All five reservations with tribal license rules, casinos and tribal radio.



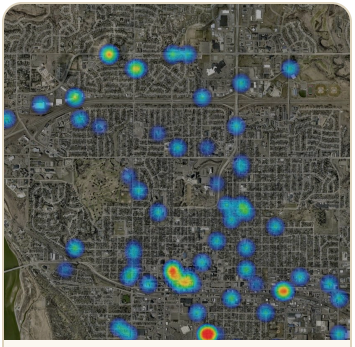
ND road conditions

NDDOT road conditions, closures, work zones and live road cameras.



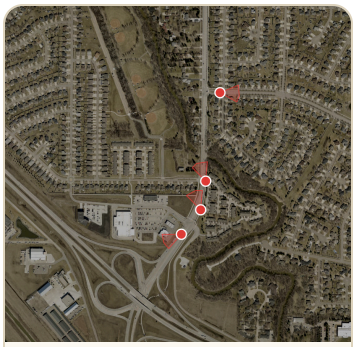
Police calls

Recent public police calls (crime, crashes, fires) at the block level.



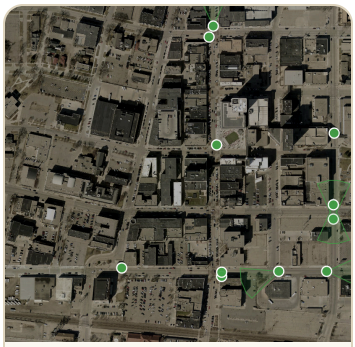
Crime heatmap

Where police get called most, from 60 days of public call logs.



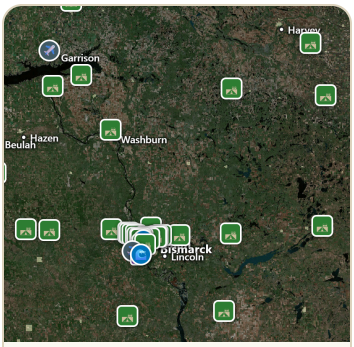
Flock plate readers

Every Flock license plate camera in the US (over 145,000 plate readers in all 50 states), free, with a cone showing which way each one points. Genetec and other plate readers, traffic cameras and security cameras are their own layers.



Traffic cameras

Cameras on traffic signals and roads that aren't plate readers: mostly signal detection cameras that sense waiting cars so the light changes.



Live webcams

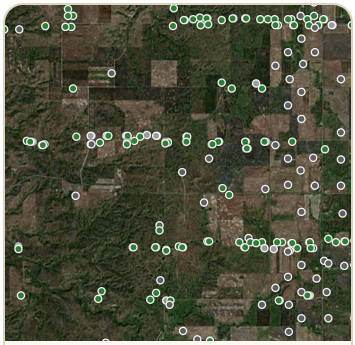
Live NDDOT road cameras and public webcams; tap for the current picture.

LANDMARKS & ENERGY



Landmarks

Named buttes, hills, ridges, coulees and springs with their elevation; tap one and Hawk tells its story.



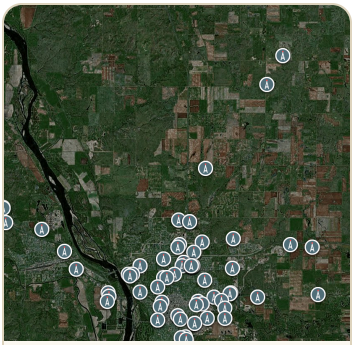
Oil & gas

Every oil and gas well with operator, field, status and spud date, plus the rigs drilling right now.



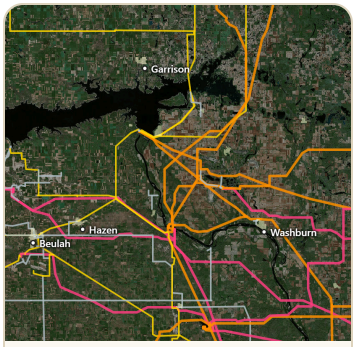
Wind turbines

Every wind turbine: wind farm, year, make and model, hub and tip height.



Towers

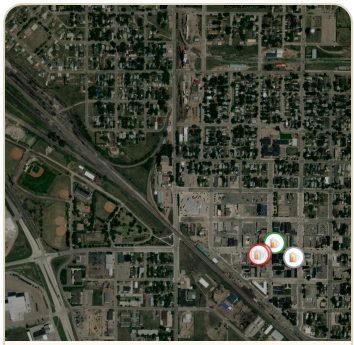
Radio, TV and cell towers with owner and height (keep drones and kites clear).



Power lines

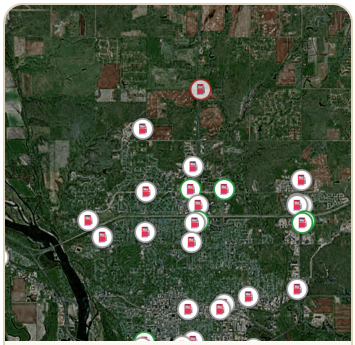
Transmission lines by voltage and utility.

FOOD, GAS & MORE



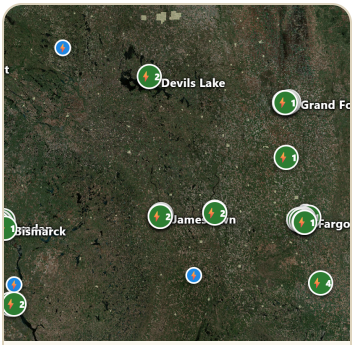
Bars, restaurants & cafes

Small-town cafes, bars and restaurants with open/closed now. Works offline.



Gas stations

Gas stations, diesel noted.



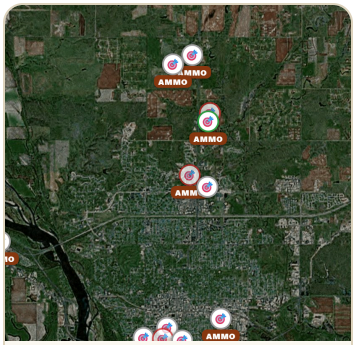
EV chargers

Every public charging station: fast and Level 2, plug types, network, hours and price. Works offline.



Hotels & motels

Hotels and motels with phone numbers, even with no signal.



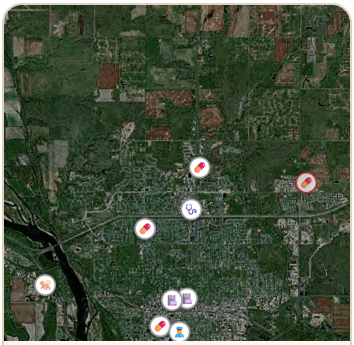
Sporting goods & ammo

Every gun shop and store that sells ammo (members mark small-town gas stations too), plus bait and tackle.



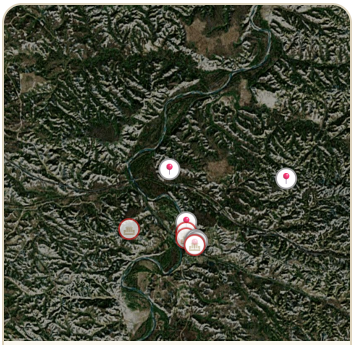
Shooting & archery ranges

Free public ranges on Game & Fish WMAs (yardages, hours) plus archery and shooting clubs.



Emergency & help

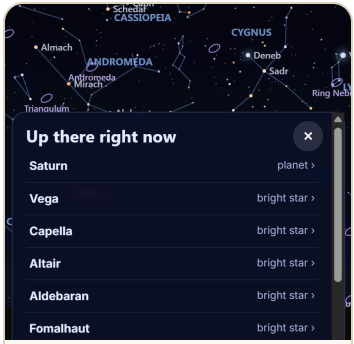
Nearest ER, sheriff, fire station, vet and pharmacy.



Sights, museums & casinos

Museums, historic sites, viewpoints and casinos.

SUN, STARS & SHADOWS



Night sky

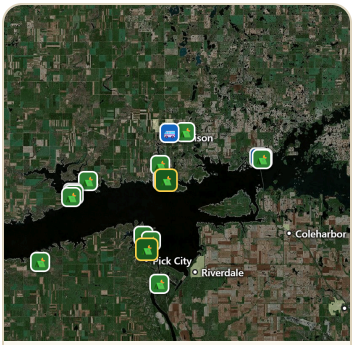
Dive into any spot and look up: every constellation, named star, planet, the Moon and the Space Station, each with its story, distance and a fun fact.



Shadows & sun hours

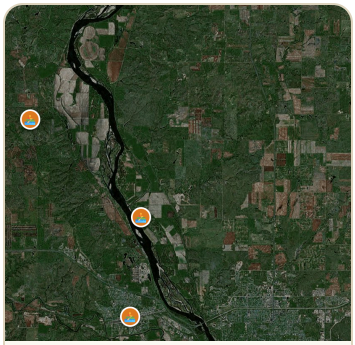
Where shadows fall from hills, buildings and trees on any date and time, and hours of sun on a spot (like your driveway in December).

CAMPING, RENTALS & GOLF



Campgrounds & cabins

Every campground, RV park and cabin; state parks show each site's hookups and nightly price, plus cabins and yurts.



Outdoor rentals

Where to rent kayaks, canoes, paddleboards, pontoons, boats, bikes and campers for the weekend.



Golf courses

Every North Dakota course; Play mode gives GPS yardages to the green, hazard carries, plays-like distance, club picks and a scorecard.

Hoch Maps · hochmaps.com · Map data: ND Game & Fish, ND GIS Hub, NDDOT, USGS, USDA, USFWS, NOAA/NWS, Esri, ESA Copernicus, OpenStreetMap contributors, adsb.lol and local police departments' public logs.