# North Dakota Forests

- Historical Perspective

North Dakota Forestry Advisory Council

June 24, 2021

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# 65 million years of forest cover

4,000 years of prairie

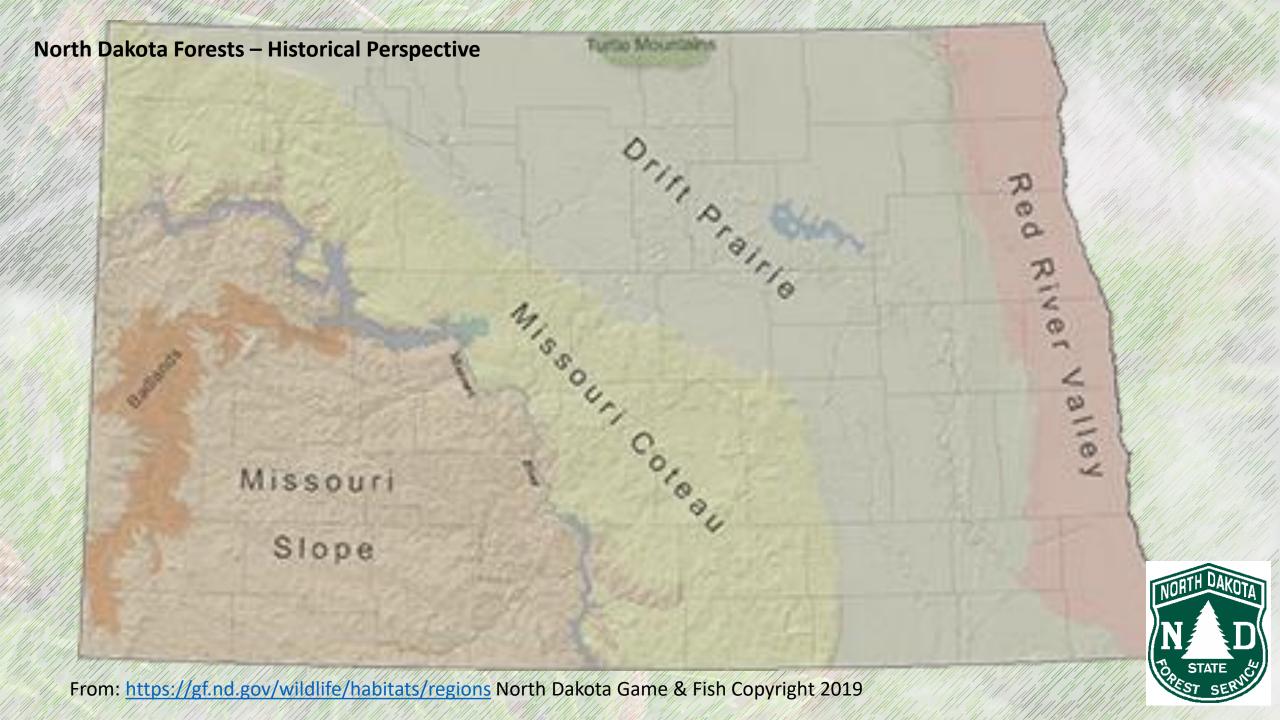


#### North Dakota Forests - Historical Perspective

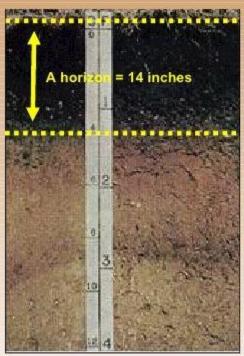


FROM: https://www.ndstudies.gov/gr4/geology-geography-andclimate/part-1-geology/section-9-quaternary-period NORTH DAKOTA STUDIES — STATE HISTORICAL SOCIETY OF NORTH DAKOTA © COPYRIGHT 2020





## Prairie vs. Forest Soil



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Prairie

Forest

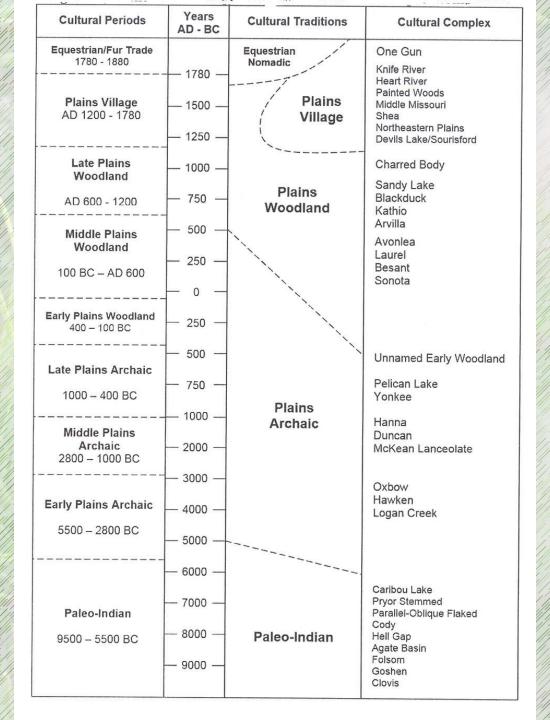
**Effect of Native Vegetation** 

From: <a href="https://www.arcgis.com/apps/MapJournal/index.html?appid=86c8b5ab9382436dbb716765de2dcdc0">https://www.arcgis.com/apps/MapJournal/index.html?appid=86c8b5ab9382436dbb716765de2dcdc0</a> Climate Change in the Prairies



#### North Dakota Forests - Historical Perspective

People have lived in North Dakota For at least 10,000 years.





#### **Homestead Act**

1870s - claim 160 acres.

Cost: \$14.00, plus build a house, dig a well, and feed your family.

### **Timber Culture Act**

1873-1882 additional 160 if you plant 40 to trees. Dropped to 10 acres. 2700 trees/ac, 675/ac had to live 13 years.

Average farm size was 277 in 1890, and 466 acres by 1920.



# SSIVES LOSE GOVERI

Heavy Vote Being Counted in State---Mrs. Langer Leads In County--League State The allotment checks are her Due to the fact that there will be Officials Evidently Elected, Figures Show

#### Headquarters For Shelterbelt In Bottineau

The Board of Administration has granted a leave of absence to F. E. Cobb, President of the School of Forestry and State Forester, until the beginning of the next school year in September, 1925. This was done to permit him to accept the position of State Director in the U. S. Forest Service Shelterbelt Project. The Acting Director of this project, Mr. Paul Roberts, with headquarters at Lincoln, Nebraska, has permitted Mr. Cobb to establish the state heaquarters for this project at Bottineau for the coming year at least, as it will be within the proposed belt, with easily accessible highways north and south. The definite location of this shelterbelt strip has not been decided upon, but will very probably include parts of Renville, Ward, McHenry, McLean, Sheridan, Burleigh and Emmons as the western boundary.

The Chief Forester in Washington is desirous that some plantings be made next spring and the winter's work will be devoted largely to bring this about.

At four o'clock this morning it appeared that Lydia anger. Progressive Republican candidate for governor, has and they will tell what day the st to Thomas Moody, Democratic candidate. Returns from can get them and at what tow ismarck early this morning before campaign headquarters tineau to get checks as it will i losed down indicated that Moodie led Mrs. Langer by ap-impossible to deliver them before roximately 27,000 votes, with returns from about one third the precincts of the state. While defeat was not coneded at League headquarters, it appeared highly improable that Mrs. Langer could overcome the great lead, with ormally strong League counties failing to deliver a heavy epublican vote.

For practically all the other state offices, however, the of Armistice Day, hereby agree

#### UXILIARY TO COLLECT BOOKS

library project.

st year. It was found that North akota was second from the lowt state in number of books per pits, with 79 per cent of her eal during the past year to curct this deficiency. It is a major roject of the community service, ppid that every community will pecome library conscious.

progressives were eminently suc-close our respective places of bu occurred. With the exception of the iness from 12:00 o'clock noon for office of superintendent of public instruction, it appeared that the The Bottineau unit of the Legion Leaguers had carried all state ofuxiliar are sponsoring a communifices by comfortable majorities, guson Hardware Co., City Tall For the supreme court, Moetiring Shop, Emma S. Pepin, L. C. Hol A survey of library facilities was and France were out in front with D. J. McIntosh, McIntosh Har ade by the National Organization Burr coming in as a probable ware Co., A. D. Ertresvaag. O. the American Legion Auxiliary third, although he may nose out Lien, Mrs. R. O. Kleppe, Gree either of the leaders for a surer gard's, S. J. Farlow, E. H. Char position.

In the congressional race it appeared that Frazier, Lemke, and pulation without library service. Burdick had won by comfortable The American Legion Auxiliary majorities, with Sinciair making rite in North Dekots did a great a poor race from the independent

the county indications are that G. E. Snell Food Market, The rogram again this year. It is Mrs. Langer will have between 600 Vinje, A. G. Crandall, Great Wes and 800 lead over Meedie in the ern Grain Co., Bottineau Farme county, while Burr, France, and Co-Op. Elevator Co., Bottineau I

#### WHEAT CHECKS IN BOTTINEAU

reed meetings held the first thre days of next week checks which are here will probably be disti buted Thursday, Friday and Se urday. There will be notices see out to farmers who have check By all means do not come to Bo

#### **Business Men to** Observe Armistic

We, the undersigned merchan of the City of Bottineau, for th purpose of the proper observanthe balance of the day on Monda November the 12th, 1934:

Bottineau Co-Op. Store Co., Fe holm, Turtle Mountain Supply C Midwest Lumber Co., Julius Ser Bottineau Courant, W. G. Woo ward Co., Foy Stover, Freema Hanneson, Wm. Crowder, Gamb Store Agency, U. B. Helland, Osc. Thoreson, Williams Bakery, Erne Bastlen, Chas Drew, Bottineau C With incomplete returns from Op. Creamery, Nero Hardware C

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### 1887 – Hatch Act

 Authorized state land grant colleges for research and experiments in agriculture.



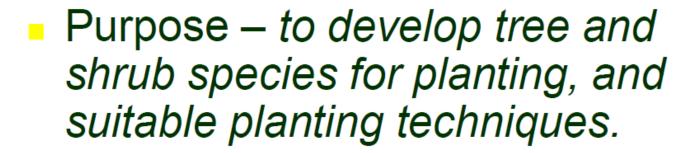
 Agricultural College (North Dakota State University) is the ND land grant institution.





#### 1889 – ND is a State!





 However, the State did not "appropriate" any money.







### 1894 - Bottineau is Selected as Site

 An election on November 5, selected Bottineau as the site for the State School of Forestry.







### 1905 – Great Plains Field Stations

- Office of Dry Land Agriculture of the US Bureau of Plant Industry established three experimental research stations in the US:
  - ◆ Research Station in Mandan, ND



 Bureau of Forestry became USDA Forest Service





#### 1908 - Dakota National Forest

- President Taft's proclamation to reserve forestland and create more resulted in:
  - Management of ponderosa pine in SW ND (Badlands), and a
  - ◆ 1912 nursery and tree plantings.
- Poor survival, closed in 1917.
- Today, a portion of original forest is in the USFS Little Missouri National Grasslands. 10







## 1913 - Forestry Nursery Act



1915 State Forestry Nursery west of Bottineau opens.









### 1925 – NDSU Hires Forester

 Agricultural College (NDSU) hired the first "specialist" – not an agronomist - but a forester to promote tree belts. He was stationed in Bottineau at the School of Forestry.









## 1930s - Dust Bowl Days









## 1931 - Denbigh Experimental Forest











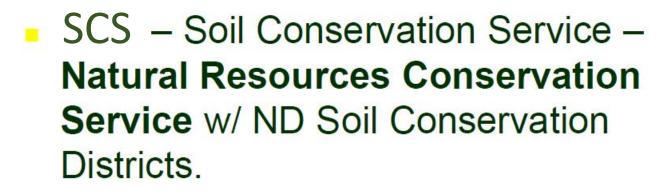
## 1934 - Prairie States Forestry Project







#### Re-Leaf



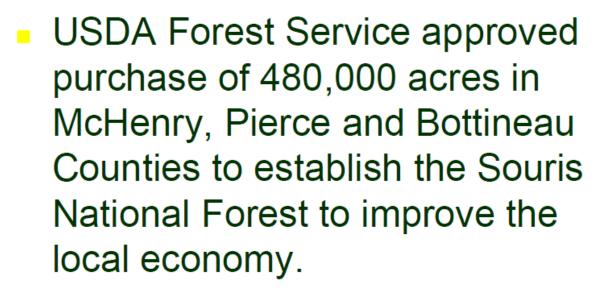
- Agricultural Adjustment Act (Triple
   A) Farm Service Agency.
- USDA Forest Service began State and Private Forestry Programs with State Foresters.







### 1935 - Souris National Forest



- USFS Nursery at Towner started (and closed in 1942).
- No purchasing funds appropriated and plan abandoned due to WW II.







## 1945 – School branches ND Forest Service born









## 1951 - Bought Towner State Nursery









## 1968 – School & NDFS Aligned with NDSU

- NDUS aligns both with NDSU due to similar missions.
  - ◆ NDSU-Bottineau Branch
    - President called "Dean" for school, but was still the State Forester.
  - ◆ NDSU-ND Forest Service
- Authority is given to the State Forester in the ND Century Code Chapter 4-19.







## 1978 – Bottineau Nursery Closes

- Due to poor water and soils, the Bottineau Nursery is closed and all tree growing operations move to the Towner State Nursery.
- This site is the NDFS Bottineau Field Office location.
- NDFS leases 45-acres of old nursery to City of Bottineau for the Forestry Park.
- 52-acres were sold at public auction.







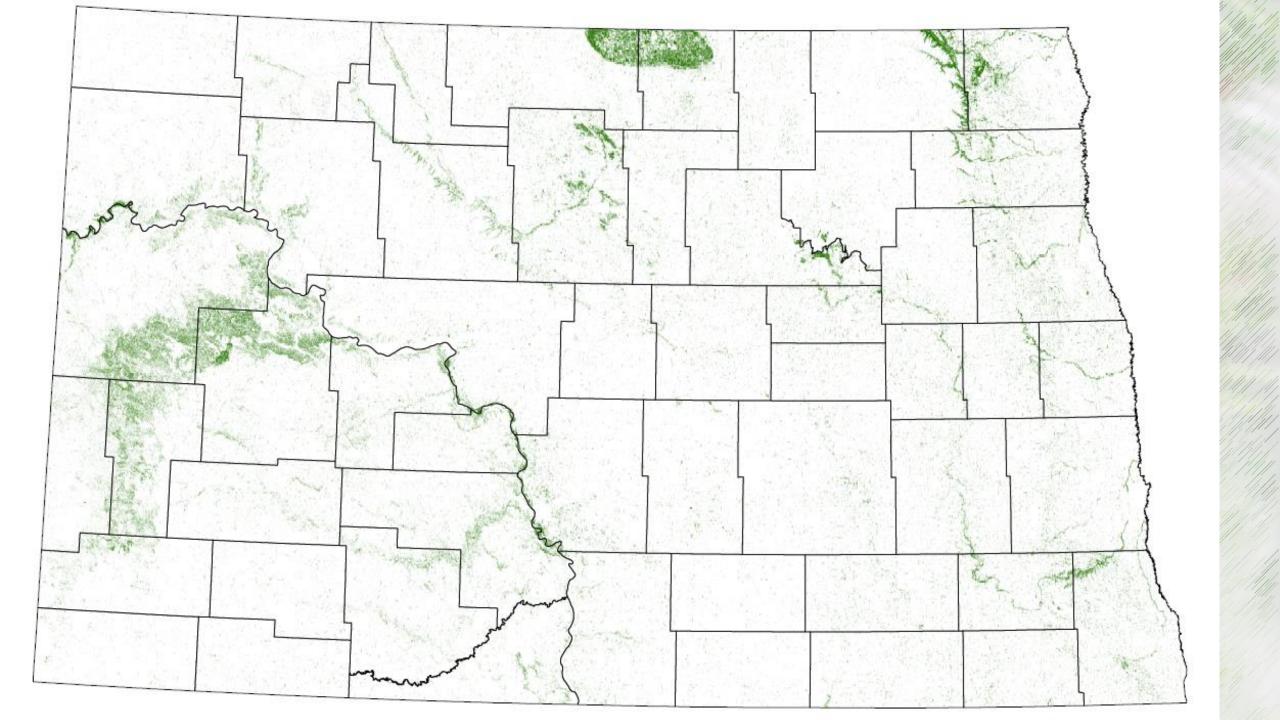
## 1980 – Administration is Split!

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- NDSU-Bottineau Branch has a Dean.
- NDSU-ND Forest Service has a State Forester.
  - State Forester is on NDSU campus and oversees all state staff.
    - ⋆ 1980-86 Robert Johnson







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