



# KICKAPOO TRIBE IN KANSAS



# LOCATION

- Demographics
  - 1800 tribal members
  - Eighteen tribal programs

Kickapoo Nation

Kansas

Kansas City

Wichita

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Image USDA Farm Service Agency  
Image U.S. Geological Survey  
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38°53'36.71" N 98°07'13.47" W elev 1591 ft

Eye alt 393.89 mi



# PRECIPITATION DETAILS

- The average precipitation for Brown County varies from about **35 inches** per year
- Nearly two-thirds of this precipitation falls during the spring and summer, **mostly during thunderstorms**
- Annual precipitation extremes during the past 40 years have differed from **19.31 inches (1988) to 71.99-inches (1973)**.

# CLIMATE AND PRECIPITATION

## Climate data for Horton, Kansas

Month	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Year
Average high °F (°C)	37 (3)	42 (6)	53 (12)	66 (19)	74 (23)	84 (29)	90 (32)	88 (31)	80 (27)	69 (21)	54 (12)	40 (4)	<b>64.8</b> <b>(18.3)</b>
Average low ° F (°C)	16 (-9)	21 (-6)	29 (-2)	41 (5)	51 (11)	61 (16)	66 (19)	64 (18)	56 (13)	44 (7)	31 (-1)	20 (-7)	<b>41.7</b> <b>(5.3)</b>
<u>Precipitation</u> Inches (mm)	0.9 (23)	1.1 (28)	1.9 (48)	3.0 (76)	4.6 (117)	5.3 (135)	3.7 (94)	3.9 (99)	4.1 (104)	2.3 (58)	1.5 (38)	1.0 (25)	<b>33.3</b> <b>(846)</b>

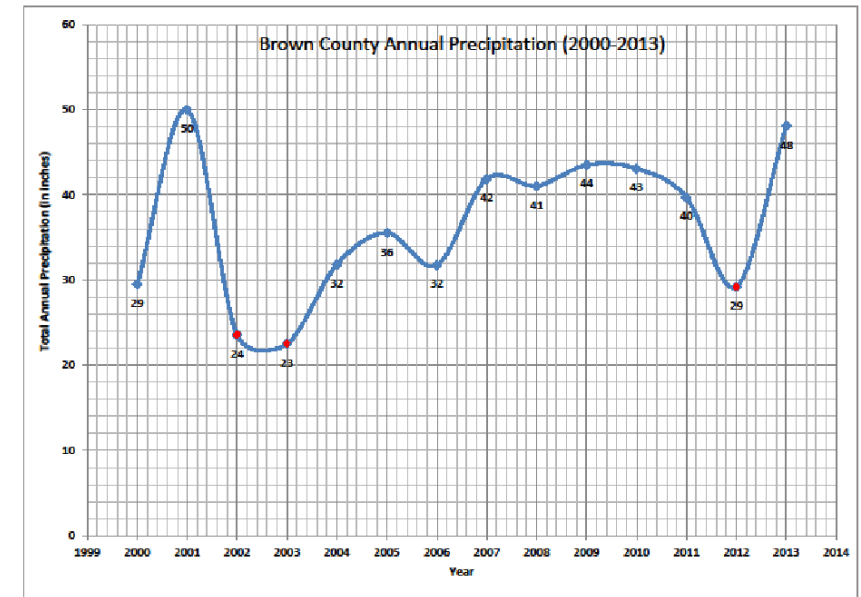
Source: Weather base

# EXTREME WEATHER EVENTS

- In July, 2012 when temperatures were in the 90s and 100s, we received only **0.69 inches of rain**. This was during the worst part of the draught
- In **May 2013** significant flooding was recorded as the **highest local flood** that the Water Department has recorded
- It was a foot above our river dam wet well station and our dam site was inundated with **flood debris** (i.e. cornstalk, tree branches, vegetation, and soil)

# 2000 & 2003 DROUGHT

- Periods of drought have caused the river to drop to levels that are too shallow to provide sufficient water to supply the system
- This happened in both 2000 and 2003
- During 2003's drought, the tribe purchased finished water from the City of Atchison, KS



## WHAT WE NEED?

- What we need
- To be kept current on climate modeling
- Projected cost of future water transport
  - 2015 – 2018
  - Methods of transport
  - Potential transporters

# WHAT WE NEED?

- Grants
  - Water
    - Cisterns
    - Other sources
    - Distribution systems
  - Agriculture
    - Planning for changes in land use
    - Development of new/future crops
    - Protection of Agricultural resources



# WHAT WE NEED?

- Conservation
  - Wetlands
  - Wildlife and Habitat
  - Traditional foods (Plants and animals)
- Infrastructure
  - Reservoir/Levee
- Public health
  - Environmental Quality
  - Invasive Species
  - New diseases/Vectors



THANK YOU