# Geologic Map of the Historic Ranch Headquarters and School House Areas

## Tallgrass Prairie National Preserve

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KANSAS GEOLOGICAL SURVEY
The University of Kansas

NATIONAL PARK SERVICE

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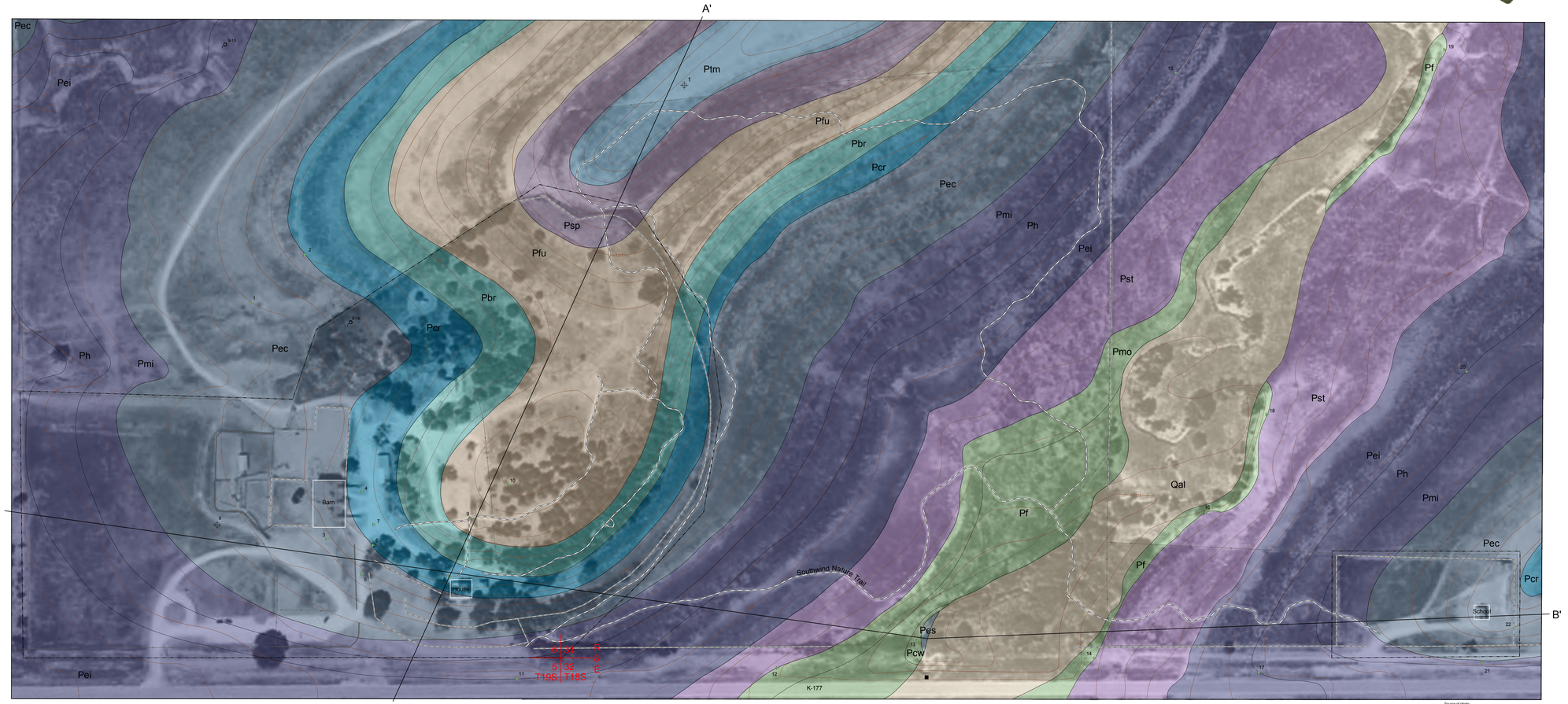
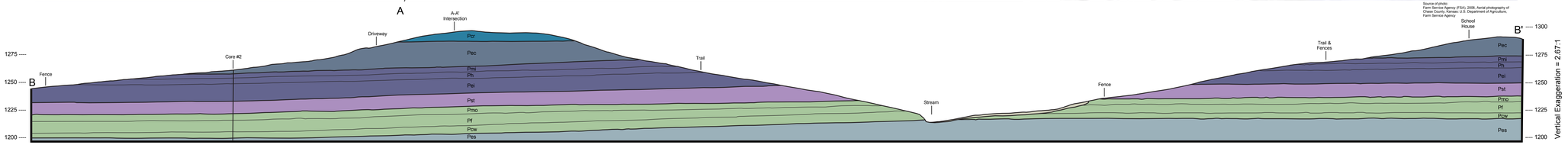



Source of photo: Farm Service Agency (FSA). 2006. Aerial photography of Chase County, Kansas; U.S. Department of Agriculture, Farm Service Agency




| Label | Lithology | Member | Formation |
|---|---|---|---|
| Qal | | Alluvium and Stream Terrace Deposits | |
| Ptm | | Threemile Limestone | Wreford Limestone |
| Psp | | | Speiser Shale |
| Pfu | | | Funston Limestone |
| Pbr | | | Blue Rapids Shale |
| Pcr | | | Crouse Limestone |
| Pec | "Easly Creek limestone" | | Easly Creek Shale |
| Pmi | | Middleburg Limestone | Bader Limestone |
| Ph | | Hooser Shale | |
| Pei | | Eiss Limestone | |
| Pst | | | Stearns Shale |
| Pmo | | Morrill Limestone | Beattie Limestone |
| Pf | | Florena Shale | |
| Pcw | | Cottonwood Limestone | |
| Pes | | | Eskridge Shale |

**Lithologic Explanation**

- Limestone
- Argillaceous limestone
- Bioswork limestone
- Mudstone
- Calcareous mudstone
- Black shale
- Gypsum or anhydrite
- Chert and siliceous nodules or geodes

20 10 0 feet

## Legend

- Barbed wire fence
- Stone fence
- Pipe fence
- Hiking trails
- Contours - interval 5 feet
- Index contours - interval 25 feet
- NPS property boundary
- Geologic data point
- USGS benchmark
- KGS stratigraphic core
- Spring

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KGS Open-file Report 2004-34 (Revised July 2008).

TRUE NORTH
MAGNETIC NORTH
4°
APPROXIMATE MEAN DECLINATION, 2008

SCALE 1:1 200
(1 INCH EQUALS 100 FEET)
0 25 50 100 METERS
0 100 200 400 FEET

UNIVERSAL TRANSVERSE MERCATOR PROJECTION, ZONE 14
CENTRAL MERIDIAN 99° W
NORTH AMERICAN DATUM OF 1983