

# Introduction to greater Green River Basin geology, physiography, and history of investigations

Dept. of the Interior - Greater Green River Basin



Description: -

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Conservation des ressources naturelles -- Canada.

Parcs -- Canada -- Gestion.

Parcs nationaux -- Canada -- Gestion.

Barren County (Ky.) -- Antiquities

Excavations (Archaeology) -- Kentucky -- Barren County

Geology - Green River Watershed Introduction to greater Green River

Basin geology, physiography, and history of investigations

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Notes: 11

This edition was published in -



Filesize: 37.29 MB

Tags: #Greater #Green #River #Basin

## Green River Basin 2001 Water Plan Groundwater Technical Memorandum

Regional well and seismic databases together document the distribution and thickness of age-defined stratal packages and provide the basis for interpreting and mapping their coastal plain paleogeography.

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Concomitantly, a drainage network evolved to remove both runoff and entrained sediment from a land area measuring  $1500 \times 2500$  km  $1000 \times 1500$  mi. Upper Colorado River Basin aquifer system Bradley, W. Below is a discussion of each mapped interval, reviewing 1 the GOM depositional record, 2 the continental tectonic framework, including specific areas of uplift and subsidence, 3 climate pattern, 4 reconstructed drainage basin paleogeography, and 5 source-to-sink relationships.

## Introduction to the Green River Formation

The oil now is trapped in formed by the. Positions of fluvial input axes are conjectural.

## Stratigraphy and Paleolimnology of the Green River Formation, Western USA

Prominent Laramide basins, including the Denver, Raton, and San Juan, largely bypassed alluvial sediment, with only thin, local, or intermittent accumulation.

## Sedimentary record of seismic events in the Eocene Green River Formation and its implications for regional tectonics on lake evolution (Bridger Basin, Wyoming)

Sediment volume was calculated from digitized hand-contoured unit thickness maps using a geographic information system GIS algorithm to sum volumes within polygons bounding interpreted North American river contribution. This surface truncated older Cenozoic strata, beveled crystalline Precambrian cores, and extended eastward onto the Great Plains. Current ground water use within the Greater Green River Basin is estimated to

be between 5,300 and 7,200 acre feet per year for all uses Purcell, 2000.

### **Greater Green River Basin**

The extensive folding and faulting has produced a highly complex geologic setting characterized by areas in which sedimentary layers are tilted at steep angles or completely overturned such that older beds now lie above younger beds , geologic sections are repeated, and rocks are displaced laterally by distances of many miles.

### **HA 730**

The USGS database provides for recording of a broad range of information about a particular well, including geologic formation, water levels, well use, tested yield, elevation, and construction details.

## Related Books

- [Chosŏn ūi miso = - Korean smile \(archetypical doodles\)](#)
- [Lilā Kāranta, nenapina samputa](#)
- [Francesco Mochi](#)
- [Straniero alla finestra](#)
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