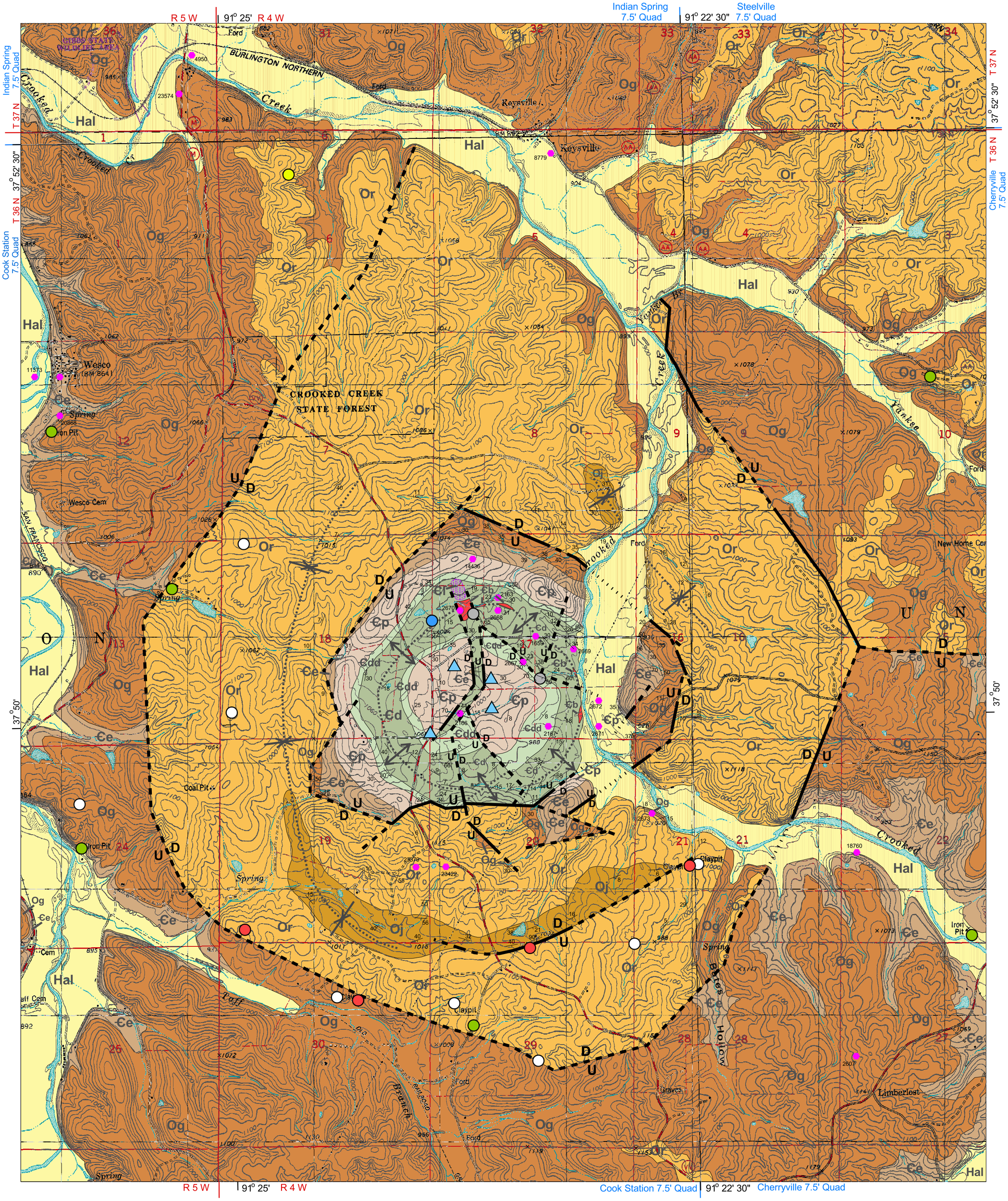

EXPLANATION

Cenozoic Erathem
Neogene System
Holocene Series

Hal — Alluvium

Paleozoic Erathem
Ordovician System
Ibexian Series

Oj — Jefferson City Dolomite

Or — Roubidoux Formation

Og — Gasconade Dolomite

Cambrian System
Upper Series

Ce — Eminence Dolomite

Cp — Potosi Dolomite

Cdd — Derby-Doerun Dolomite

Cd — Davis Formation

Cb — Bonneterre Formation

Cf — Lamotte Sandstone Float

Fault
Dashed where approximate
Dotted where concealed

Fold

Shattercones

Drill Holes with ID numbers

Mines, Prospects, Deposits
(need to be field checked)

- Barite
- Coal
- Fireclay
- Iron Ore
- Galena
- Copper

MISSOURI

Map Location

1 0 1 Miles

Scale 1:24,000
Contour Interval 20 feet

Herbert E. Hendriks (1954) produced two geologic maps of the Crooked Creek structure. Plate VII depicted the entire structure in a small and generalized manner on a 1:65:000-scale base map that lacked topographic contours. Plate VIII depicted the central uplift portion of the structure in detail on a 1:9,600-scale topographic base map that was made by W.D. Phillips in 1947. (Reference: Hendriks, H.E., 1954, Geology of the Steelville Quadrangle, Missouri, Missouri Geological Survey and Water Resources, vol. 36, 2nd series, p. 1-88, pls. I-IX)

The present map is a digital compilation of Plate VIII and the Crooked Creek portion of Plate VII into one geologic map on a modern 1:24,000-scale topographic base map. Modifications include 1) addition of an exposure of Lamotte Sandstone float, 2) addition of locations of shatter cones in Potosi Dolomite, 3) addition of drill hole locations, and 4) addition of locations of mines, prospects and mineral occurrences.

Geologic Map Of The

Crooked Creek Impact Structure

Crawford County, Missouri

Digital compilation and layout by Patrick S. Mulvany

2005

OFM-05-511-GS

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