Wiggins Formation

Oligocene: Northwestern Wyoming.

J. D. Love, 1939, Geol. Soc. America Spec. Paper 20, p. 79–85, pl. 17. Proposed to replace preoccupied name Ramshorn volcanic series (Love, 1934). Consists of white and light-colored sequence of conglomerates, tuffs, sandstone, and shale. Thickness 1,700 feet on East Fork-South Fork of Owl Creek divide; 3,000 feet in vicinity of Brown Rock Canyon; 989 feet on east face of Steamboat Rock. Unconformably overlies Tepee Trail formation (new). Overlain by younger rocks only on Wiggins Peak. Oligocene(?). Lithology varies from place to place; no standard section designated.

H. E. Wood 2d and others, 1941, Geol. Soc. America Bull., v. 52, no. 1, p. 37, pl. 1. Oligocene (Chadronian).

Name taken from Wiggins Fork River. Comprises high divides and ridges of southern and highest part of Absaroka Range.

See: Early + Late Basic Breccia } descriptive, inf.

" Acid "

" Basalt Flows"

Cited on correlation chart of area.
Wiggins fm.

Wilson, W. H., Correlation of volcanic rock units in the southern Absaroka Mountains, northwest Wyoming: Wyo. Univ. Contr. to Geol., v. 2, no. 1 (new names) G(282) qW96c

p. 17, 20
Defined
Incl.: Crosby breccia (new)
      Blue Point mbr. (new)

Late Eocene to Oligocene

NW Wyoming

Oligocene
Up. Eocene?

NW Wyoming
Wiggins fm.


Olig.

p. 71, 75

(U. Eocene-L. Olig.)

Tert.

NW. Wyoming
Wiggins Fm. 1968


Olig. C. Wyo.

incl.

Blue Point Congl. Mbr.

Keroher: annotation: Early & Late Basic Breccias are descriptive only-repl. by Wiggins Fm.

Olig.

NW. Wyo.
Wiggins Fm.


p. 1-11
10-11 E

overlies: Trout Peak Trachyandesite (new)

Low. Olig.-Eoc.

NE. Absaroka Mts.
NW. Wyo.
Behrendt, J. C., Tibbetts, B. L., and others, A Geophysical Study in Grand Teton National Park and Vicinity, Teton County, Wyoming; USGS PP 516-E.

p. 1-23  5  (200)  qB

Olig.  NW. Wyo.
Wiggins Fm. 1969


incl. Blue Point Mbr.

[Olig.] Yellowstone Nat. Park, NW. Wyo.
Wiggins Fm.


\[ \text{1969 (age changed from Olig. to Eoc.-Olig.)} \]

(Note: Changed again (1971, Board note #6) to Eoc. Coded 124 on map.)

Eoc. & Olig. \( \checkmark \)

NW. Wyo.
Wiggins Fm.
Black, C. C., Fossil Vertebrates from the Late Eocene & Oligocene, Badwater Creek Area, Wyoming, & Some Regional Correlations: Wyoming Geol. Assoc. Guidebook, #21 (Symp. on Tert. Rocks) p. 43 - 47 G(282) qW98f

NW. Wyo.
older than 46 m.y.

greenish gray ss, breccia; brown and green sts and grit; lt. gray clayst., green cobble cgl.

U. Eoc. or Low. Dlig. (?)
Wiggins Fm.


of Hague, 1899

Eoc. & Olig. NW. Wyo.
Wiggins Fm.


153

NW. Wyo.
Wiggins Fm. (age ch?) 1972
(Thorofare Creek Gp.)


Olig. in Bull. 1200

NW. Wyo. & adj. Idaho & Mont.
Fisher, F. S., Tertiary Mineralization and Hydrothermal Alteration in the Stinkingwater Mining Region, Park County, Wyoming: USGS Bull. 1332-C. p. 1 - 33 & (Fig. 3)
Wiggins Fm. (realloc.)
(Thorofare Creek Gp. - f.p.)

p. 1-33

32-age

32-age

Olig. in B. 1200

M. & U.(?)
/ Eoc.

1972

NW. Wyo.
Wiggins Fm. (redef.)
(Thorofare Creek Gp.)
(Absaroka Volc. Supergp.)


credit to Smedes & Prostka (in press)

restricted to S. Absarokas, pt. is in Thorofare Creek Gp.

Eoc. & Olig. Mont.
Wiggins Fm. (3,000') 1972


volc, cgl,
gray to brown w/white tuff

Jackson Hole
Eoc.-Olig.

incl. White Pass bentonite layer

K-Ar: 49.3 m.y...age of bentonite

M. Eoc. 46.2 m.y...age fr base Wiggins
Wiggins Fm (here strat. extended)

Emry, R.J., Revised Tertiary Stratig. and Paleont. of the Western Beaver Divide, Fremont Co. Wyoming
Smithsonian Contr. to Paleobiology no. 25.

1975

p. 1-20
2 (F.1) D, 8, 18

p. 3... here extended to incl. pt. of.

Beaver Divide Cgl Mbr (White River Fm)

underlies: Beaver Divide Cgl Mbr (Olig.)

overlies: Wagon Bed Fm (Eoc.)

Eoc.
c. WY
Wiggins Fm

Wilson, W. H., The Copper-bearing Meadow Creek Granodiorite, upper Wood River Area, Park County, Wyoming: WY Geol Assoc Gdbk #27. G(282) p 235-241 qW98f

236 (F 1) ... geol map
235

incl unnamed up mbr (2000') (andes & breccia)
Crosby Breccia Mbr (100-600') (andes-rophy)
unnamed low mbr (1700') (andes & breccia)

intr by Meadow Creek Granodiorite

s. Absaroka Range

U Eoc and Low Olig?
Wiggins Fm

Breckenridge, R. M., Quaternary Geology of the Wood River Area, Wyoming: WY Geol Assoc Gdbk #27. G(282) p 45-54 qW98f

45, 50

volc rocks: vent & alluv facies

complex unit

over: Pitchfork Fm (Eoc)
Wiggins Fm

Pruss, E. F., A Paleomagnetic Study of Basalt Flows from the Absaroka Mountains, Wyoming: WY Geol Assoc Gdbk #27. G(282) p 257-266, 257, 259 (F 2). strat col qW98f

over: Langford Fm

K-Ar:
45.9±1.7 m.y.
Eoc

nw. WY

p 167-171

167

incl Blue Point Mbr (base) (100-150')

unit resists erosion & forms bold, massive, cliff-forming outcrops

U Eoc... nw, WY.

K-Ar: 47.1-44.4
Eoc

s.Absarokas to Washakie Basin
Wiggins Fm.


1977

M. & U? Eoc. nw. WY
Wiggins Formation  (age date given)  
[of Thorofare Creek Group]  inferred
[of Absaroka Volcanic Supergroup]  inferred


43.1 m.y. [obtained fr. Wiggins]

M. and U(?) Eoc.  nw. WY
p. 377-389
380(F.2)
incl. Beaver Divide Cgl Mbr

U.Eoc c.WY
Eaton, J. G., Paleontology and correlation of Eocene volcanic rocks in the Carter Mountain area, Park County, southeastern Absaroka Range, Wyoming: WY Univ at Laramie, Contributions to Geology, Fall, Vol. 21, No. 2 p. 153-194

157 & 158 (F.4 & 5). x-sec diagrams
157 (F.4). age
158-159. over and intertongues: Tepee Trail Fm
158 and 190. part of Blue Point Mbr (of Wilson, '63) is here changed to marker and may correlate w/ Sage Creek white layer in Bridger Basin

47.9 ± 0.5 m.y. (age of Blue Point marker)

Eoc

p. 109-110—Abstract

incl a "new subdivision" = Castle Rocks chaos

mapped throughout a 900 km² area and involving 292 km³ of material characteristic of landslides & debris flows. large homogeneous blocks & highly contorted hornblende andesite breccia in an unsorted heterogeneous matrix of boulder-to-clay-size volcaniclastics

late middle Eoc nw. WY
3, 4, 6, 8-17
incl upper Wiggins, Castle Rocks chaos, Sugar Loaf tuff beds, allochthonous Wiggins, lower Wiggins
mid Eoc (50.3-41.0 Ma)
Wiggins Fm (informal divisions) 1985

Eaton, J.G., Paleontology and correlation of the Eocene Tepee Trail and Wiggins Formations in the North Fork of Owl Creek area, southeastern Absaroka Range, Hot Springs County, Wyoming: Soc. of Vertebrate Paleont, Jour of Vertebrate Paleont, v. 5, no. 4, Dec p. 345-370, 348 (fig. 2). strat col G(244) inc. "upper Wiggins" (300 m)
"Castle Rocks chaos" (450 m)
"allochthonous Wiggins" (300 m)
"lower Wiggins" (300 m)
unit is top of sec over: Tepee Trail Fm (Bridgerian-Uintan) (Uintan) mid Eoc c. WY