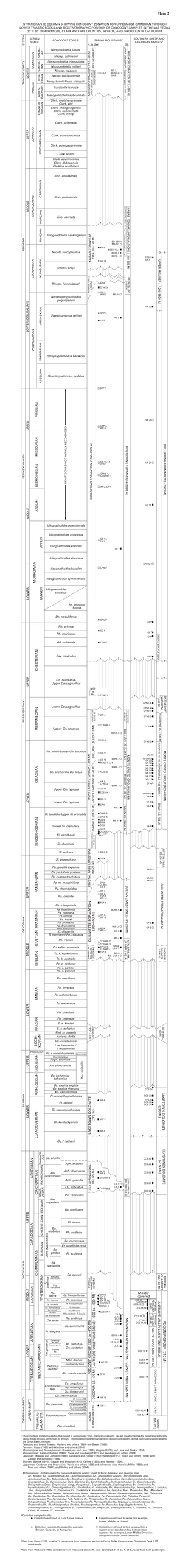
STRATIGRAPHIC COLUMN SHOWING CONODONT ZONATION FOR UPPERMOST CAMBRIAN THROUGH LOWER TRIASSIC ROCKS AND BIOSTRATIGRAPHIC POSITION OF CONODONT SAMPLES IN THE LAS VEGAS 30' X 60' QUADRANGLE, CLARK AND NYE COUNTIES, NEVADA, AND INYO COUNTY, CALIFORNIA


SERIES/ STAGE
CONODONT ZONES[1]
SPRING MOUNTAINS[2]
N. & SW.
SE
SOUTHERN SHEEP AND LAS VEGAS RANGES[3]
SYSTEM
TRIASSIC (PART)
LOWER
OLENEKIAN
SPATHIAN
Neogondolella jubata
Neosp. collinsoni
Neogondolella triangularis
Neogondolella milleri
Neosp. waageni
INDUAN
DIENERIAN
Neosp. paksaisensis
Neosp. kummeli-Neosp. crittendeni
Isarcicella isarcica
SMITHIAN
Mesogondolella subcarinata
UPPER
CHANGHSINGIAN
Clark. malaikanensis[4]
Clark. yini
WUCHIAPINGIAN
Clark. changxingensis
Clark. subcarinata
Clark. wangi
Clark. orientalis
Clark. transcaucasica
Clark. guangyuanensis
Clark. leveni
Clark. asymmetrica
Clark. dukouensis
Clarkina postbitteri
MIDDLE
GUADALUPIAN
CAPITANIAN
Jinogondolella nankingensis
Jino. postserrata
WORDIAN
Jino. aserrata
ROADIAN
Jinogondolella nankingensis
KAIBAB FORMATION
LOWER
LEONARDIAN
KUNGURIAN
Neostr. sp. A
Neostr. prayi
Neostr. "exsculptilirata"
UPPER (GZHELIAN)
MOSCOVIAN
ASTHINIAN
Neostreptognathodus pequopensis
Sweetognathus whitei
Streptognathodus barskovi
LOWER (ISCALIAN)
SAKMARIAN
ASSELIAN
Streptognathodus isolatus
WOLFCAMPIAN
VIRGILIAN
MISSOURIAN
DESMOINESIAN
MOST ZONES NOT WIDELY RECOGNIZED
BIRD SPRING FORMATION (1000-2000 M)
ATOKAN
MIDDLE
MORROWAN
UPPER
Idiognathodus ouachitensis
Idiognathodus convexus
Idiognathodus klapperi
Idiognathodus sinuosus
Neognathodus basileri
Neognathodus symmetricus
LOWER
Idiognathoides sinuatus
Rh. minutus Fauna
Rh. primus
Rh. muricatus
Ad. unicornis
Cav. nevicuba
Gn. bilineatus-Upper Cavusgnathus
CHESTERIAN
Lower Cavusgnathus
MERAMECIAN
Upper Gn. texanus
Ps. mehli-Lower Gn. texanus
OSAGEAN
Sc. anchoralis-Do. latus
Upper Gn. typicus
Lower Gn. typicus
Sc. isosticta-Upper Sc. crenulata
KINDERHOOKIAN
Lower Sc. crenulata
Sc. sandbergi
Sc. duplicata
Sc. sulcata
Sc. praesulcata
Pa. gracilis expansa
Pa. pericladia postera
Pa. ragosa trachytera
Pa. m. marginifera
Pa. rhomboidea
Pa. crepida
Pa. triangularis
Pa. trigutticosta
Pa. rhenana
Pa. postera
Pa. hassi
Pa. punctata
Pa. transitans
Pa. delicatula
Ad. dewindti
S. ferrimarsi-Pa. cristatus
Po. varcus
Po. xylus ensensis
To. k. kockelianus
To. k. australis
Po. c. costatus
Po. c. partitus
Po. c. patulus
Po. serotinus
Po. inversus
Po. nothoperbonus
Po. excavatus
Po. klapperi
Po. klabicius
Po. pireneae
E. s. sulcatus
Pand. p. pesavis
Ancyrog. delta
Or. eurekaensis
I. w. hesperius / I. w. wisconsinsis
Or. r. evidens/Or. sp. (E. cf. Or.)
Pan. latidata
Pand. alternata
An. plinackensis
Ko. variabilis
Pan. latidata
Oz. bohemica bohemica
Oz. sagitta sagitta
Oz. sagitta rhenana
Ko. ranuliformis
Pr. amorphognathoides
Pr. celloni
Dt. staurognathoides
Dt. kentuckyensis
Ou.? nathani
Ga. ensifer
Aph. shatzeri
Aph. divergens
Aph. grandis
Ou. robustus
Ou. velicsapis
Am. superbus
Be. confluens
Be. fluens
Be. undatus
Be. compressa
Er. quadridactylus
Be. gerdi
Pt. aculeata
Ca. sweeti
Mostly covering
Ps. delicatula
Ps. postdelicatula
Pt. hamata
Pt. eleanorae
Pt. elegans
Pt. plana
Pt. elegans
Ac. deltatus-Dn. costatus
Mac.-planae
Low diversity fauna
Ro. manitouensis
Co. angulatus
Co. fluctuoplicatus
Co. lindstromi
Co. intermedius
Co. prorsus
Co. inornatus
Co. n. sp.
Co. n. sp. A
Co. n. sp. B
Co. n. sp. C
Co. n. sp. D
Co. n. sp. E
Co. n. sp. F
Co. n. sp. G
Co. n. sp. H
Co. n. sp. I
Co. n. sp. J
Co. n. sp. K
Co. n. sp. L
Co. n. sp. M
Co. n. sp. N
Co. n. sp. O
Co. n. sp. P
Co. n. sp. Q
Co. n. sp. R
Co. n. sp. S
Co. n. sp. T
Co. n. sp. U
Co. n. sp. V
Co. n. sp. W
Co. n. sp. X
Co. n. sp. Y
Co. n. sp. Z
Eoconodontus notchpeakensis
Eoconodontus
Pro. muelleri
CAMBRIAN (PART)
TREMPEALEAUAN
FRANCONIAN
UPPER (PART)
ORDOVICIAN
CHAMPLAINIAN
CANADIAN
IBERIAN
TREMADOCIAN
DEVILS GATE LIMESTONE
NOPAH FORMATION
DUNDERBERG SHALE MEMBER
HALFPINT MEMBER
PYRAMID SHALE MEMBER
BONANZA KING FORMATION
CARRARA FORMATION
BONANZA KING FORMATION
BIRD SPRING FORMATION (1000-2000 M)
MOUNT STIRLING GROUP (~250 M)
NOPAH FORMATION
GOODSPRING DOLOMITE
ANTELOPE VALLEY LIMESTONE
DEVILS GATE LIMESTONE
NOPAH FORMATION