

Correlation of Jurassic rocks of North America

Age	European classification	Alaska	Graham Island, B. C. <sup>a</sup>	Skeena River, B. C. <sup>b</sup>	Itasyoucou (Dean) River, B. C. <sup>c</sup>	Kamloops district, B. C. <sup>d</sup>	Alberta <sup>e</sup>	Montana <sup>f</sup>	Wyoming, Colorado, and Utah <sup>g</sup>	Humboldt Range, Nevada <sup>h</sup>	Cascade Mountains, Washington <sup>i</sup>	Blue Mountains, Oregon <sup>j</sup>	Western Oregon and northern California <sup>k</sup>	Redding quadrangle, California <sup>l</sup>	Taylorville region, California <sup>m</sup>	Sierra Nevada, California <sup>n</sup>	Texas <sup>o</sup>	Mexico <sup>p</sup>	Cuba <sup>q</sup>		
Upper Jurassic	Purbeckian.												Knorrville group (?) (lower part ?) and Myrtle formation (?) (lower part ?); may be Jurassic or Cretaceous. Dothan formation; sandstone and shale with <i>Aucella erringtoni</i> . Galice formation; slate with some sandstone and conglomerate; contains <i>Aucella erringtoni</i> .				Malone formation; (limestone with some conglomerate, sandstone, and gypsum.	Marly and phosphatic limestone in Sierra de Masapil and Santa Rosa.			
	Portlandian.	Aucella-bearing beds.		Haselton group; andesitic porphyry and tuff, interbedded with fossiliferous sandstone and shale; probably contains Upper Jurassic (Naknek) and Middle Jurassic (Tuxedni) faunas.																	
	Kimmeridgian.																				
	Sequanian or Upper Oxfordian.	Naknek formation																			
	Argovian or Lower Oxfordian.		Cardioceras zone.																		
Callovian.	Chinitna shale.																				
Middle Jurassic	Bathonian or Great oolite.																				
	Bajocian or Inferior oolite.	Tuxedni sandstone.	Yakoun formation; basaltic agglomerate, lava, and tuff and tuffaceous sandstone with Tuxedni fauna.		"Porphyrite series"; porphyry and tuff interbedded with sediments containing Tuxedni fauna.																
Lower Jurassic	Upper Lias or Toarcian.	Kialagvik formation. (May be partly or wholly Middle Jurassic.)																			
	Middle Lias or Charmouthian.	Talkeetna formation.	Maude formation; argillite, sandstone, and tuff.																		
	Lower Lias.	Calcareous sandstone, sandy shale, and limestone of Cape Kekurnoi region.																			

<sup>a</sup> McKenzie, J. D., Canada Geol. Survey Mem. 88, No. 1622, pp. 40-51, 1916.  
<sup>b</sup> Leach, W. W., Canada Geol. Survey Summ. Rept. for 1911, pp. 93-94. McConnell, R. G., Canada Geol. Survey Summ. Rept. for 1912, pp. 58-59. O'Neill, J. J., Canada Geol. Survey Mem. 110, pp. 4-5, 1919.  
<sup>c</sup> Dawson, G. M., Canada Geol. Survey Rept. Progress for 1876-77, pp. 58-66. Whiteaves, J. F., idem, pp. 150-159.  
<sup>d</sup> Dawson, G. M., Canada Geol. Survey Ann. Rept., new ser. vol. 7, pp. 51B, 113B, 115B, 1896.  
<sup>e</sup> Dowling, D. B., Canada Geol. Survey Pub. 949, pp. 8-9, 36-37, 1907.  
<sup>f</sup> Reeside, J. B., jr., U. S. Geol. Survey Prof. Paper 118, 1920.  
<sup>g</sup> Louderback, G. D., Geol. Soc. America Bull., vol. 15, p. 295, 1904. Smith, J. P., California Acad. Sci. Proc., 3d ser., vol. 1, p. 364, 1904.  
<sup>h</sup> Smith, G. O., and Calkins, F. C., U. S. Geol. Survey Bull. 235, p. 27, 1904.  
<sup>i</sup> Hyatt, Alpheus, Geol. Soc. America Bull., vol. 5, p. 401, 1894.

<sup>j</sup> Stanton, T. W., U. S. Geol. Survey Bull. 133, pp. 30-31, 1895. Diller, J. S., Am. Jour. Sci., 4th ser., vol. 23, pp. 401-421, 1907. Smith, J. P., Science, new ser., vol. 30, pp. 347-348, 1909. Knowlton, F. H., Am. Jour. Sci., 4th ser., vol. 30, pp. 33-54, 1910.  
<sup>k</sup> Diller, J. S., U. S. Geol. Survey Geol. Atlas, Redding folio (No. 133), 1906.  
<sup>l</sup> Diller, J. S., U. S. Geol. Survey Bull. 353, 1908.  
<sup>m</sup> Smith, J. P., Geol. Soc. America Bull., vol. 5, pp. 243-248, 1894. Hyatt, Alpheus, idem, pp. 403-413. Turner, H. W., and Ransome, F. L., U. S. Geol. Survey, Geol. Atlas, Sonora folio (No. 41), 1897. Lindgren, Waldemar, U. S. Geol. Survey, Geol. Atlas, Colfax folio (No. 66), 1900. Reeside, J. B., jr., U. S. Geol. Survey Prof. Paper 118, 1920.  
<sup>n</sup> Cragin, F. W., U. S. Geol. Survey Bull. 266, 1905.  
<sup>o</sup> Various authors cited by Willis, Bailey, U. S. Geol. Survey Prof. Paper 71, 1912; De Lapparent, A., traité de géologie, 1893, and Stanton, T. W., Geol. Soc. America Bull., vol. 29, pp. 604-605, 1918.  
<sup>p</sup> O'Connell, Marjorie, Geol. Soc. America Bull., vol. 31, p. 136, 1920; Am. Mus. Nat. Hist. Bull., vol. 42, pp. 643-692, 1920.