GEOLOGICAL SURVEY OF CANADA
DEPARTMENT OF ENERGY, MINES AND RESOURCES

Name of species and original reference to its occurrence in North America	Additional references	This study	Age	Geographic distribution
Subfamily Trigoniinae Kobayashi, 1954				
Trigonia americana Meek, 1873	White, 1883; Imlay, 1964a	not described	Bajocian, Callovian	Western interior, U.S.
T. elegantissima Meek, 1873	Imlay, 1964a	not described	Middle Jurassic	Western interior, U.S.
T. (?) *poststriata* Whitfield and Hovey, 1906		not described	Middle Jurassic	Western interior, U.S.
T. guhsani McLearn, 1926		not described	Middle Bajocian	West-central British Columbia
T. littlei Frebold, 1959	Frebold, 1964	not described	Sinemurian	Southern British Columbia
T. conferticostata Cragin, 1905		not described	Kimmeridgian	Texas
T. munita Cragin, 1905	Imlay, 1945	not described	Kimmeridgian	Texas
T. rudicostata Cragin, 1905		not described	Kimmeridgian	Texas
T. erbeni Alencaster, 1963		not described	Bajocian	Mexico
T. sp. aff. *T. costata* Sowerby. Hyatt, 1892	Packard, 1921	not described	Pliensbachian-Toarcian	California
T. sp. B aff. *T. hemisphaerica* Lycett. Hyatt, 1892	Packard, 1921	Plate 1	Bajocian	California
T. sp. A aff. *T. hemisphaerica* Lycett		Plate 1	Late Sinemurian	Nevada
T. sp. cf. *T. denticulata* Agassiz. Sanborn, 1960		not described	Middle Bajocian	California
T. sp. Poulton, 1976		not described	Late Pliensbachian	Vancouver Island, British Columbia
Subfamily Myophorellinae Kobayashi, 1954				
Prosogyrotrigonia (?) sp. aff. *P. inouyei* (Yehara). Frebold and Poulton, 1977		not described	Early Hettangian	Yukon Territory
Frenguelliella sp. B Lees, 1934	Frebold, 1964	Plate 1	Early Sinemurian	Yukon Territory
F. sp. C		Plate 1	Late Sinemurian	Nevada
F. sp. cf. *F. inexspectata* (Jaworski). Jaworski, 1929		not described	Early Jurassic	Mexico
F. sp. A		Plate 1	Toarcian (?)	Vancouver Island, British Columbia
F. sp. aff. *Trigonia formosa* Lycett. Hyatt, 1892		not described	Pliensbachian or Toarcian	California
F. (?) sp. D		Plate 1	Early Sinemurian	Nevada
Jaworskiella siemonmulleri n. sp.		Plate 7	Late Sinemurian	Nevada, west-central British Columbia
J. supleiensis n. sp.		Plate 7	Late Pliensbachian	Oregon
Vaugonia veronica Crickmay, 1930b		Plate 10	Middle Jurassic	Northwestern British Columbia
V. doroschini (Eichwald), 1871	Packard, 1921	Plate 10	Bathonian-Early Oxfordian, (?) Kimmeridgian	Alaska, west-central British Columbia
V. obliqua (Hyatt), 1892 (?)	Packard, 1921	not described	Callovian	California, ? southern British Columbia
V. quadrangularis (Hall and Whitfield), 1877	Butler *et al.*, 1920; Imlay, 1964a; Mansfield, 1927	not described	Middle Jurassic -(?) Early Oxfordian	Western interior, U.S.
V. pandicosta (Meek), 1864 (?)		not described	Middle Jurassic	California
V. conradi (Meek and Hayden), 1860	Meek and Hayden, 1865; Veatch, 1907; Imlay, 1964a; Hall and Whitfield, 1877	not described	Callovian-Early Oxfordian	Western interior, U.S.
V. sp. aff. *V. conradi* (Meek and Hayden). Imlay, 1964a		not described	Middle Jurassic	Western interior, U.S.
V. utahensis Imlay, 1964a		not described	Middle Jurassic	Western interior, U.S.
V. sturgisensis (Whitfield and Hovey), 1906		not described	Middle Jurassic	Western interior, U.S.
V. kobayashii Alencaster, 1963		not described	Middle Bajocian	Mexico
V. sp. cf. *V. kobayashii* Alencaster		Plate 10	Middle Bajocian	California
V. v-costata (Lycett) *mexicana* Alencaster, 1963		not described	Bajocian	Mexico
V. impressa (Broderip). Alencaster, 1963		not described	Bajocian	Mexico
V. oregonensis n. sp.		Plate 10	Late Pliensbachian	Oregon
V. sp. aff. *V. oregonensis* n. sp.		Plate 10	Late Sinemurian	West-central British Columbia
V. imlayi n. sp.		Plate 10	Middle Bajocian	Alaska
V. coatesi Poulton, 1976		not described	(?) Sinemurian or (?) Toarcian	Southwestern British Columbia
V. sp. cf. *V. coatesi* Poulton		not described	(?) Sinemurian or (?) Toarcian	Vancouver Island, British Columbia
V. vancouverensis Poulton, 1976		not described	Late Pliensbachian	Vancouver Island, British Columbia
V. sp. cf. *V. vancouverensis* Poulton		Plate 10	Late Sinemurian	Nevada
V. jeletzkyi Poulton, 1976		not described	Late Pliensbachian	Vancouver Island, British Columbia
V. sp. aff. *T. costatula* Lycett. Hyatt, 1892	Packard, 1921	not described	Pliensbachian-Toarcian	California
V. (?) *yukonensis* n. sp.		Plate 8	(?) Middle Bajocian	Yukon Territory, Oregon, California
V. sp. cf. *V.* (?) *yukonensis* n. sp.		Plate 8	(?) Middle Bajocian	Yukon Territory
Myophorella montanaensis (Meek), 1873	White, 1883; Stanton, 1899; McLearn, 1924; Imlay, 1964a	Plates 4, 5	Bajocian-Early Oxfordian	Western Canada and U.S.
M. dawsoni (Whiteaves), 1878a	Whiteaves, 1878b, 1884	Plates 1, 2	Middle Bajocian -(?) Early Callovian	Western British Columbia, Alaska
M. devexa (Eichwald), 1871	Packard, 1921; Stanton and Martin, 1905	Plates 5, 6	Bathonian-Early Oxfordian	Western British Columbia, Alaska
M. argo (Crickmay), 1930b		Plate 4	Middle Bajocian, (?) Early Oxfordian	Western Canada and U.S.
M. sp. cf. *M. argo* (Crickmay)		Plate 4	Middle Bajocian	Alaska
M. packardi (Crickmay), 1930a	Whiteaves, 1884; Packard, 1921	Plate 3	Callovian	Southwestern British Columbia
M. billhookensis (Crickmay), 1930a		Plate 8	Callovian	Southwestern British Columbia
M. yellowstonensis Imlay, 1964a		Plate 2	Middle Bajocian, Early Callovian	Western Canada and U.S.
M. orientalis Kobayashi and Tamura		Plate 4	(?) Bathonian, Callovian	Alaska
M. formosa (Lycett). Alencaster, 1963		not described	Bajocian	Mexico
M. vyschetzkii (Cragin), 1893	Cragin, 1905; Imlay, 1940; Stoyanow, 1949	not described	Kimmeridgian	Texas, Mexico
M. sp. cf. *M. vyschetzkii* (Cragin). Imlay, 1945		not described	Kimmeridgian	Texas, Louisiana
M. maloneana (Stoyanow), 1949		not described	Kimmeridgian	Texas
M. proscabra (Cragin), 1905		not described	Kimmeridgian	Texas
M. praestriata (Cragin), 1905		not described	Kimmeridgian	Texas
M. solugureni (Felix), 1891	Alencaster and Bruiton, 1965	not described	Oxfordian	Mexico
M. freboldi n. sp.		Plate 2	Middle Bajocian	West-central British Columbia, Oregon
M. alaskaensis n. sp.		Plate 4	(?) Toarcian-Middle Jurassic	Alaska
M. tuxedniensis n. sp.		Plate 7	(?) Toarcian, Middle Bajocian	Alaska, west-central British Columbia
M. tipperi n. sp.		Plates 8, 9	Early-Middle Bajocian	Alaska, west-central British Columbia
M. sp. A		Plate 9	(?) Early Callovian	West-central British Columbia
M. sp. B		Plate 8	Late Toarcian or Early Bajocian	Yukon Territory
M. sp. C		Plate 6	Middle Bajocian	West-central British Columbia
M. sp. aff. *M. freboldi* n. sp.		Plate 8	(?) Middle Bajocian	Yukon Territory
M. trafalgarensis (Warren), 1932 (?)		not described	(?) Middle Bajocian	Alberta
? *Orthotrigonia* (?) sp.		Plate 11	Middle Bajocian	West-central British Columbia
O. (?) *sohli* n. sp.		Plate 2	Bajocian	Wyoming
Scaphotrigonia naviformis (Hyatt), 1892	Packard, 1921	Plate 11	Callovian	Western Canada and U.S.
Subfamily Megatrigoniinae van Hoepen, 1929				
Anditrigonia plumasensis (Hyatt), 1892	Packard, 1921	Plate 11	Callovian-Early Oxfordian	Western Canada and U.S.
A. (?) *calderoni* (Castillo and Aguilera), 1895	Cragin, 1905; Imlay, 1940, 1945; Skwarko, 1970	not described	Oxfordian-Portlandian	Texas, Mexico, Louisiana
A. (?) *goodellii* (Cragin), 1897	Cragin, 1905	not described	Kimmeridgian	Texas
Subfamily Psilotrigoniinae nov.				
Psilotrigonia canadensis Poulton, 1976		not described	Pliensbachian	Vancouver Island, British Columbia

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Table 1. Checklist and distribution chart, North American (exclusive of Greenland) Jurassic Trigoniidae, including previously or presently described forms. The validity of those species whose names are followed by a question mark is in doubt.

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