

**Table 3.** Megafossil data (previously unpublished) from the west-central part of the Howard Pass quadrangle, Alaska—Continued.

[Letters in field number refer to collector: ABe, W.P. Brosgé; AD, J.A. Dumoulin; ADo, J.H. Dover; ANs, S.W. Nelson; ATr, I.L. Tailleux; and JS, J.M. Schmidt. No., number; indet., indeterminate; colln., collection; loc., locality]

| Locality No.,<br>map unit | Quadrangle,<br>latitude/<br>longitude                  | Fossils<br>[field No.; USGS collection No.]   | Age   | Remarks  |
|---------------------------|--|---|---|--|
| 23<br>DI                  | <b>Howard Pass<br/>C-4</b><br>68°32'53"/<br>158°06'35" | Corals:<br><i>Cystiphyllodes</i> sp. cf. <i>C. lenzi</i> Pedder and McLean,<br>1982 [43J]<br>“ <i>Radiastraea</i> ”? sp. [43I]<br><i>Taimyrophyllum</i> spp. [43I]<br><i>Favosites</i> sp. [43H]<br><i>Pachyfavosites</i> sp. [43G]<br>Stromatoporoids:<br><i>Coenostelodictyon</i> sp. [43F]<br>[92AD43F, G, H, I and J] | late Early to early Middle Devonian<br>(Pragian to Eifelian).   | Corals identified by W.A. Oliver, Jr., USGS;<br>stromatoporoids identified by C.W. Stock, University of<br>Alabama.<br><i>C. lenzi</i> is known only from the Road River Formation in<br>the Royal Creek section, Yukon Territory.<br>Table 1 contains conodont data from this locality.   |
| 73<br>DI                  | <b>Howard Pass<br/>B-5</b><br>68°29'57"/<br>158°35'35" | Brachiopods:<br><i>Schizophoria</i> sp.<br><i>Cassidirostrum</i> ? sp.<br><i>Cupularostrum</i> ? sp.<br><i>Spinatrypa (Isospinatrypa)</i> sp.<br>[92AD45B; 11950-SD]  | early Middle Devonian (early<br>Eifelian).  | Identified by R.B. Blodgett, Oregon State University.<br><i>Spinatrypa (Isospinatrypa)</i> sp. is conspecific with an<br>undescribed species from the upper part of the<br>Cheeneetnuk Limestone of west-central Alaska.<br>Table 1 contains conodont data from this locality.   |
|                           |  | Brachiopods:<br><i>Cassidirostrum</i> ? sp.<br><i>Spinatrypa (Isospinatrypa)</i> sp.<br><i>Costacranaena</i> n. sp.<br>[92AD45C; 11951-SD]  | early Middle Devonian (early<br>Eifelian).  |  |
| 74<br>DI                  | <b>Howard Pass<br/>B-5</b><br>68°29'43"/<br>158°35'00" | Brachiopods:<br><i>Spinatrypa (Isospinatrypa)</i> sp.<br>[92AD30B; 11949-SD]  | early Middle Devonian (early<br>Eifelian).  | Identified by R.B. Blodgett, Oregon State University.<br><i>Spinatrypa (Isospinatrypa)</i> sp. is conspecific with an<br>undescribed species from the upper part of the<br>Cheeneetnuk Limestone of west-central Alaska.<br>Baxter and Blodgett (1994) reported the brachiopod<br><i>Droharhynchia rzhonsnitskayae</i> n. sp. from this general<br>locality (50ABe53; USGS colln. 3370-SD); brachiopods<br>of this genus may also occur in the Kolyma region of<br>northeastern Siberia.<br>Table 1 contains conodont data from this locality. |
| 86<br>DI                  | <b>Howard Pass<br/>B-5</b><br>68°25'12"/<br>158°56'06" | Stromatoporoids:<br><i>Actinostroma</i> of a rather robust sort.<br>[92ADo19A, B]   | Probably early Late Devonian<br>(Frasnian).   | Identified by C.W. Stock, University of Alabama.<br>Corals of possible early Late Devonian (Frasnian) age<br>(station 51T118, colln. 51ATr424; USGS colln. 3375)<br>reported from this general locality by J.T. Dutro, Jr.,<br>USGS, 1953, unpub. report.  |
| 87<br>DI                  | <b>Howard Pass<br/>B-5</b><br>68°24'40"/<br>158°54'00" | Stromatoporoids [69A, D] and corals [69C]:<br>Poorly preserved specimens of a ramose<br>stromatoporoid, most likely <i>Stachyodes</i> sp. [69A]<br>alveolitic coral [69C]<br>Probably <i>Stictostroma</i> sp.; possibly the closely related<br><i>Stromatoporella</i> sp. [69D]<br>[92AD69A, C, and D]                    | early Late Devonian; <i>Pa. transitans</i><br>Zone through Lower <i>Pa. hassi</i><br>Zone (early, but not very earliest,<br>Frasnian) based on conodonts;<br>stromatoporoids are compatible<br>with this age. | Identified by C.W. Stock, University of Alabama.<br>Table 1 contains conodont data from this locality.<br>Tentaculitids, ostracodes and an ammonite cephalopod of<br>probable late Middle-early Late Devonian age (station<br>51T122, colln. 51ATr439; USGS colln. 3377) reported<br>from this general locality by J.T. Dutro, Jr., USGS,<br>1953, unpub. report.  |
| 98<br>PDlc                | <b>Howard Pass<br/>B-5</b><br>68°23'35"/<br>158°36'32" | Numerous prisms apparently derived from shells of the<br>bivalve <i>Atomodesma</i> sp. are visible in thin section<br>[92AD23]  | Permian? ( <i>Atomodesma</i> is of<br>Permian age).   | Identified by J.A. Dumoulin; identical prisms occur in<br>unnamed limestone of Permian age in the Medfra<br>quadrangle, west-central Alaska  |
| 103<br>JDbc               | <b>Howard Pass<br/>B-4</b><br>68°22'20"/<br>158°13'05" | Molds and casts of <i>Neospirifer</i> sp., a spiriferid brachiopod<br>[91ANs17A]  | Early Pennsylvanian–Permian;<br>probably Early Permian.   | Identified by J.T. Dutro, Jr., USGS.<br>Sample from volcanoclastic(?) sandstone interlayered with<br>basalt.   |

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|---------------------------|--|---|---|--|
| 125<br>Mik                | <b>Howard Pass<br/>B-4</b><br>68°19'40"/<br>157°52'35" | Disarticulated valve of a nukuloid pelecypod.<br>Indet. nautiloids and ammonoids.<br>Gastropods:<br><i>Angyomphalus (Angyomphalus)</i> sp.<br>Indet. gastropod with cancellate sculpture.<br>[91JS38] | <i>Angyomphalus (Angyomphalus)</i> sp.<br>indicates an age of late Middle<br>Devonian (Givetian) to Lower<br>Carboniferous; other megafossils<br>do not further constrain age.<br>Conodonts from this locality are<br>early Early Mississippian<br>(Kinderhookian). | Pelecypod identified by J. Pojeta, Jr., USGS; all other<br>specimens identified by R.B. Blodgett, Oregon State<br>University.<br>All samples from concretions in uppermost part of Kayak<br>Shale.<br>Table 4 contains conodont data from this locality. |