

no vegetation. Limited talus; most bladed smooth. Uncommon *Oreohelix vortex* and *Cryptomastix* n. sp. 5 in remaining talus. Hand collected. 10/5/1990 TF, GH! [B33]

122. Opposite Russell Bar 1 (1415). SE $\frac{1}{4}$ SE $\frac{1}{4}$ SW $\frac{1}{4}$ SW $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 23, T27N R1E, Slate Creek 1981 quad., Idaho Co. N.-facing slope ca. 0.5 mile W. of US95 bridge on S. side of Horseshoe Bend Road, opposite E. end of Russell Bar, S. side of Salmon River, RM 61.8. Elev. 1640-1680'. Moist partly wooded slope on W. side of gully. No land snails found. 8/10/1989 TF, MF, EJ! [B33]

123. Opposite Russell Bar 2 (1416). SE $\frac{1}{4}$ NE $\frac{1}{4}$ SW $\frac{1}{4}$ & NW $\frac{1}{4}$ SW $\frac{1}{4}$ SE $\frac{1}{4}$ SW $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 22, T27N R1E, Slate Creek 1981 quad., Idaho Co. N.-facing slope ca. 1.2 miles W. of US95 bridge on S. side of Horseshoe Bend Road, opposite center of Russell Bar, S. side of Salmon River at RM 61.4-61.5, BLM lands. Elev. 1640-1680'. Moderate slope, mostly grassy; on basalt; rather moist. Area heavily grazed. No snails despite moisture. Hand collection attempted. 8/10/1989 TF, MF, EJ! [B33]

124. Opposite Russell Bar 3 (1417). SE $\frac{1}{4}$ NW $\frac{1}{4}$ NE $\frac{1}{4}$ SE $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 22, T27N R1E, Slate Creek 1981 quad., Idaho Co. NE-facing slope ca. 1.6 miles W. from US95 bridge on S. side of Horseshoe Bend Road, opposite W. end of Russell Bar, S. side of Salmon River RM 61.2, BLM lands. Elev. 1520'. Rocky (basalt) slope and short cliff; very moist and mossy. Road construction impact. No snails. Hand collection attempted. 8/10/1989 TF, MF, EJ! [B33]

125. Grave Creek 1 (1418). NE $\frac{1}{4}$ SE $\frac{1}{4}$ SW $\frac{1}{4}$ SE $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 30, T31N R1E, Fenn 1963 quad., Idaho Co. S.-facing talus at first (upper most) crossing of Grave Creek by Grave Creek Road, W. of road and N. side of creek. Elev. 3080-3120'. Basalt talus; rather dry except basally; scattered *Celtus* and forbs locally. Uncommon *Cryptomastix populi*; one *Oreohelix* n. sp. 25? (immature); *Allogona ptychophora solida*. Hand collected. 4/24/1994 TF, EJ! [B3]

126. Grave Creek 2 (1419). NE $\frac{1}{4}$ NE $\frac{1}{4}$ SW $\frac{1}{4}$ NE $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 29, T31N R1E, Fenn 1963 quad., Idaho Co. Unnamed spring N. of Grave Creek, N. side of Grave Creek Road, just over 0.3 road mile W. of Hanley Gulch, N. of Grave Creek. Elev. 2920'. Depth 0-2". Spring not indicated on USGS map. Common *Rorippa*, mosses in spring runs; several coalescing spring runs with basalt cobbles; grassy and seepy, with *Equisetum* stands; at sources, *Angelica* and *Celtus*. *Allogona ptychophora solida*, *Cryptomastix mullani olneyae*, and *Vertigo concinna* hand collected. 10/23/1990 TF! Common *Allogona ptychophora solida*; common *Cryptomastix mullani olneyae*; 1 *Deroceras* sp. *Physella* and sphaeriids in spring. 4/24/1994 TF, EJ! [B3]

127. Hammer Creek Recreation Area. (1471). Center NW $\frac{1}{4}$ NW $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 15, T28N R1E, White Bird 1982 quad., Idaho Co. Boulder piles and small talus to W. of Hammer Creek Recreation Area (BLM) access road, ca. 0.2 mi. N. of junction with Hammer Creek Road and 0.1 mi. W. of boat launch, W. of Salmon River at RM 52.7. Elev. 1480'. Boulder piles and small-scale talus of mixed lithologies; local bryophytes, *Prunus*, *Populus*, *Salix*, grasses; locally well-shaded. Uncommon *Allogona ptychophora ptychophora* and *Oreohelix jugalis*; very rare *Cryptomastix* n. sp. 6. Hand collected. Partly destroyed by R.A. modification; some taluses above-high-water-mark talus. 10/22/1993 TF, EJ! [B39]

128. Time Zone Rapids South (1421). E $\frac{1}{2}$ SW $\frac{1}{4}$ NW $\frac{1}{4}$ SW $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 2, T24N R1E, Riggins 1964 quad., Idaho Co. W.-facing slope on E. side of Salmon River S. of Time Zone Rapids at RM 84.2, BLM lands. Elev. 1720-1740'. Scattered garnet and hornblende schist talus with rare *Cystopteris fragilis*, some *Celtus*, rare *Lupinus*, and mosses. *Cryptomastix* n. sp. 5 rare scattered in individual taluses. Heavily pastured; probably very dry. Hand collected. 4/25/1994 TF, EJ! [B27]

129. Time Zone Rapids North (1422). SE $\frac{1}{4}$ SW $\frac{1}{4}$ SW $\frac{1}{4}$ NW $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 2, T24N R1E, Riggins 1964 quad., Idaho Co. W.-facing slope, E. side of Salmon River N. of Time Zone Rapids just E. of Riggins Bridge (US95), RM 84.1, BLM lands. Elev. 1720-1800'. Scattered garnet and hornblende schist taluses, rather shallow with *Celtus*, *Cystopteris fragilis*, *Lupinus*. Live

Cryptomastix n. sp. 5, two long dead *Oreohelix idahoensis idahoensis*. Hand collected. 4/25/1994 TF, EJ! [B27]

130. Opposite Lightning Creek South (1423). NW $\frac{1}{4}$ SW $\frac{1}{4}$ NW $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 35, T25N R1E, Riggins 1964 quad., Idaho Co. E.-facing talus at mouth and S. of prominent gully on W. side of Salmon River at about RM 83.0, opposite and south of Lightning Creek, BLM lands. Elev. 1760'. Shallow schist (with quartz and tourmaline) talus with abundant *Rhus diversiloba*, some *Celtis*, grasses. *Pinus ponderosa* forest above and below with scattered boulders. Probably very dry in summer. Site grazed. Uncommon *Oreohelix* n. sp. 21 and *Cryptomastix harfordiana*. Hand collection. 4/25/1994 TF, EJ! [B26]

131. Opposite Lightning Creek North (1424). W $\frac{1}{2}$ NE $\frac{1}{4}$ NW $\frac{1}{4}$ NW $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 35, T25N R1E, Riggins 1964 quad., Idaho Co. E.-facing talus below S. major gully almost directly opposite Lightning Creek on W. side of Salmon River at RM 82.9, BLM lands. Elev. 1760'. Dry schist talus, rather shallow, with abundant *Rhus diversiloba*; open *Pinus ponderosa* forest. Rare *Oreohelix* n. sp. 21 and *Allogona ptychophora ptychophora*; common *Cryptomastix harfordiana*. Hand collected. 4/25/1994 TF, EJ, RM! [B26]

132. Opposite Chair Creek (1425). SE $\frac{1}{4}$ NW $\frac{1}{4}$ & SW $\frac{1}{4}$ SW $\frac{1}{4}$ NE $\frac{1}{4}$ NW $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 26, T25N R1E, Riggins 1964 quad., Idaho Co. NE-facing taluses on W. side of Salmon River at Chair Creek Rapids, RM 81.8-81.9, opposite Chair Creek, BLM lands. Elev. 1760-1800'. Thin schist talus; fairly mossy; common *Rhus diversiloba*, moderately common *Celtis*, *Cystopteris*; fairly open. *Oreohelix* n. sp. 23, *Allogona ptychophora ptychophora*, and *Cryptomastix harfordiana* hand collected. 4/25/1994 TF, EJ! [B26]

133. Fiddle Creek Rapids (1426). E $\frac{1}{2}$ SE $\frac{1}{4}$ NW $\frac{1}{4}$ NW $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 22, T25N R1E, Riggins 1964 quad., Idaho Co. E.-facing talus slope on W. side of Salmon River between Ladder Creek and Clarks Creek at Fiddle Creek Rapids, RM 80.5, BLM lands. Elev. 1680'. Large schist boulder talus with *Rhus diversiloba*, *Celtis*, *Cystopteris*, and rare *Seligeria*; probably rather dry. Uncommon *Allogona ptychophora solida*; *Cryptomastix* n. sp. 5; *Helicodiscus salmoneus*. Hand collected. 4/25/1994 TF, EJ! [B26]

134. Opposite Lucile ACEC (1427). NW $\frac{1}{4}$, NE $\frac{1}{4}$ & SE $\frac{1}{4}$ of SE $\frac{1}{4}$ NW $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 11, T25N R1E, Lucile 1963 quad., Idaho Co. NE-facing limestone slope on W. side of Salmon River opposite BLM ACEC, RM 78.2, BLM lands. Elev. 1640-1680'. Blue limestone boulders piles at and above high water level with *Celtis*, *Artemisia*, mosses, grasses; small limestone basal talus and scattered small rock piles with *Artemisia*. *Oreohelix jugalis* on lower slope above high-water mark, *Oreohelix* n. sp. 20 found higher up. *Cryptomastix* n. sp. 5 in talus to mid-height (rare). Hand collected. 4/25/1994 TF, EJ, RM! [B17]

135. Upper Butcher Bar (1428). W $\frac{1}{2}$ SW $\frac{1}{4}$ NW $\frac{1}{4}$ NW $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 35, T26N R1E, Lucile 1963 quad., Idaho Co. E.-facing hillside on W. side of Salmon River at Upper Butcher Bar, RM 75.3, BLM lands. Elev. 1680'. Dry exposed hillside, mixed phyllite and limestone with schist to the N.; *Artemisia*, rare *Opuntia*; grasses. Uncommon *Oreohelix waltoni* in small rock piles; *Oreohelix jugalis* uncommon on lower slope. Hand collected. 4/26/1994 TF, EJ, RM! [B15]

136. North of Butcher Bar (1429). NW $\frac{1}{4}$ NE $\frac{1}{4}$ NW $\frac{1}{4}$ SW $\frac{1}{4}$ & SE $\frac{1}{4}$ SW $\frac{1}{4}$ SW $\frac{1}{4}$ NW $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 26, T26N R1E, Lucile 1963 quad., Idaho Co. NE-facing slope on W. side of Salmon River, N. of Butcher Bar, opposite Wet Gulch, RM 74.1-74.2, BLM lands. Elev. 1600-1680'. Rocky slope (schistose metasedimentary lithology) with small talus piles; *Artemisia*, *Balsamorhiza*, *Opuntia*, *Seligeria*, and *Cystopteris* on N. side. *Oreohelix waltoni* found higher up the hill in small draw; *Oreohelix jugalis*, *Cryptomastix harfordiana*, and rare *Helicodiscus salmoneus* throughout the site. Hand collected. 4/26/1994 TF, EJ, RM! [B15]

137. Opposite John Day Creek (1430). SW $\frac{1}{4}$ SE $\frac{1}{4}$ NE $\frac{1}{4}$ SE $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 14, T26N R1E, Lucile 1963 quad., Idaho Co. SE-facing slope on W. side of Salmon River at RM 72.5, opposite John Day Creek.. Elev. 1640-1680'. Slope with pegmatite bedrock; fair amount of *Artemisia*

with *Seligeria*, *Opuntia*, sparse grasses; dry, very open. Common *Oreohelix jugalis*, rare *Cryptomastix* n. sp. 6. Hand collected. Heavily grazed. 4/26/1994 TF, EJ, RM! [B14]

138. Below Upper Sherwin Bar (1431). SW $\frac{1}{4}$ SW $\frac{1}{4}$ NW $\frac{1}{4}$ NE $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 13, T26N R1E, Lucile 1963 quad., Idaho Co. SE-facing slope and cliffs on W. side of Salmon River at RM 71.3, ca. 0.25 mile below (S. of) Upper Sherwin Bar. BLM lands. Elev. 1600-1680'. Pegmatite outcrops and thin talus; rather dry; talus with *Celtus*, *Opuntia*; some *Seligeria*. Live-dead *Oreohelix jugalis* and long-dead *Cryptomastix* n. sp. 6. Hand collected. 4/26/1994 TF, EJ! [B14]

139. Opposite Blackhawk Bar (1432). NE $\frac{1}{4}$ NE $\frac{1}{4}$ NW $\frac{1}{4}$ SW $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 2, T26N R1E, Lucile 1963 quad., Idaho Co. NE-facing slope on W. side of Salmon River, opposite Blackhawk Bar, RM 68.3. Elev. 1560'. Metasedimentary shallow talus, mostly large; *Seligeria*, *Cheilanthes*, and *Cystopteris*. Abundant *Allogona ptychophora ptychophora* (small); some *Cryptomastix* n. sp. 6; 1 specimen of *Oreohelix jugalis*. Hand collected. 4/26/1994 TF, EJ! [B14]

140. Opposite Slate Creek Rest Area (1433). E $\frac{1}{2}$ NW $\frac{1}{4}$ SW $\frac{1}{4}$ NW $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 26, T27N R1E, Slate Creek 1981 quad., Idaho Co. E.-facing talus slope on W. side of Salmon River, opposite Slate Creek rest area, RM 65.4, BLM lands. Elev. 1560'. Rather dry and steep basalt talus with *Artemisia*, *Cryptomastix* n. sp. 6 and *Oreohelix vortex*. Hand collected. 4/26/1994 TF, EJ! [B35]

141. Above mouth of Sotin Creek (1434). SE $\frac{1}{4}$ NE $\frac{1}{4}$ SW $\frac{1}{4}$ SW $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 34, T28N R1E, Slate Creek 1981 quad., Idaho Co. SE-facing slope on W. side of Salmon River above mouth of Sotin Creek, RM 56.8, BLM lands. Elev. 1480'. Steep basalt talus with common *Celtus*; dry, mostly large cobbles, composite, unstable locally. Uncommon *Oreohelix* n. sp. 25; *Allogona ptychophora ptychophora*; *Cryptomastix* n. sp. 6; *Helicodiscus salmoneus*; *Pupilla hebes*; *Vallonia*; *Cochlicopa lubrica* generally beneath *Celtus* in small stable taluses only. Hand collected. 4/26/1994 TF, EJ! [B32]

142. Northwest of Bracket Gulch (1526). NE $\frac{1}{4}$ SW $\frac{1}{4}$ NW $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 27, T28N R1E, Slate Creek 1981 quad., Idaho Co. NE-facing slope, ca. 0.6 mile NW of Bracket Gulch, and above Pittsburg Landing Road (FS493), W. side of Salmon River above mouth of Sotin Creek, ca. RM 54.5, BLM lands. Elev. 1440-1460'. Grassy open slope; dry, scattered *Rubus*, *Celtus*, *Prunus*, grasses; alluvial substrate. Dead *Allogona ptychophora ptychophora* only; not collected. Impacted by road building. 4/27/1994 TF, EJ! [B32]

143. South of Woodruff Gulch (1435). W $\frac{1}{2}$ SW $\frac{1}{4}$ SW $\frac{1}{4}$ NW $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 23, T29N R1E, White Bird 1962 quad., Idaho Co. W.-facing talus slope S. of Woodruff Gulch on E. side of Salmon River, RM 46.7, BLM lands. Elev. 1460-1480'. Basalt (red) talus slope; thin, dry; *Rosa*, *Rubrus*, *Rhus diversiloba*, *Opuntia*, and *Artemisia*. *Oreohelix vortex* and *Cryptomastix harfordiana* abundant; *Pupilla hebes*; *Allogona ptychophora ptychophora*; *Helicodiscus salmoneus*. Hand collected. 4/27/1994 TF, EJ! [B37]

144. North of Woodruff Gulch (1436). NE $\frac{1}{4}$ NW $\frac{1}{4}$ SW $\frac{1}{4}$ NW $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 23, T29N R1E, White Bird 1962 quad., Idaho Co. W.-facing slope and cliffs N. of Woodruff Gulch on E. side of Salmon River, RM 46.6, BLM lands. Elev. 1440'. Exposed red basalt knobs and thin talus; dry, open, grassy, moist at base; *Rhus diversiloba*, *Celtus*, and *Artemisia*. *Oreohelix jugalis* and *Cryptomastix* n. sp. 6 uncommon; rare *Allogona ptychophora ptychophora*. Hand collected. 4/27/1994 TF, EJ, RM! [B37]

145. South and opposite mouth of Sheep Creek (1437). SW $\frac{1}{4}$ NW $\frac{1}{4}$ SW $\frac{1}{4}$ SE $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 11, T29N R1E, White Bird 1962 quad., Idaho Co. NE-facing taluses opposite of and 0.25 mile S. of mouth of Sheep Gulch on SW side of Salmon River, RM 45.2, BLM lands. Elev. 1480'. Red rhyolitic basalt taluses about 80' above river with *Rhus diversiloba*; diverse bryophyte flora; *Sorbus*; *Artemisia*. Uncommon *Oreohelix* n. sp. 25; common *Cryptomastix* n. sp. 6 and *Allogona ptychophora ptychophora*. Hand collected. 4/27/1994 TF, EJ! [B37]

146. North of the mouth of Hells Gate Creek (1438). NE $\frac{1}{4}$ NW $\frac{1}{4}$ SE $\frac{1}{4}$ SW $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 11, T29N R1E, Fenn 1963 quad., Idaho Co. E.- and NE-facing talus slope below (N. of) mouth of Hells Gate Creek on W. side of Salmon River, RM 43.2, BLM lands. Elev. 1640'. Metamorphic basalt talus, common *Rhus diversiloba*; *Artemisia*; *Seligeria*; *Cystopteris*; dry, exposed. *Oreohelix jugalis*, *Oreohelix* n. sp. 25, *Cryptomastix* n. sp. 6, *Allogona ptychophora ptychophora*, and abundant *Helicodiscus salmoneus*. Hand collected. 4/27/1994 TF, EJ! [B4]

147. Below and east of Devils Garden (1439). SE $\frac{1}{4}$ NW $\frac{1}{4}$ NE $\frac{1}{4}$ SE $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 31, T30N R1E, Moughmer Point 1963 quad., Idaho Co. N.-facing talus slope on S. side of Salmon River below and E. of Devils Garden, RM 39.8, BLM lands. Elev. 1340'. Moist basalt talus with *Rhus diversiloba*; *Celtus*; *Prunus*; bryophytes; probably dry in summer. *Allogona ptychophora solida*, *Oreohelix* n. sp. 25, *Cryptomastix* n. sp. 3, 6, and *olneyae*. Hand collected. 4/27/1994 TF, EJ! [B23]

148. North of the mouth of Second Creek (1440). NW $\frac{1}{4}$ SE $\frac{1}{4}$ NW $\frac{1}{4}$ SE $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 22, T30N R1W, Moughmer Point 1963 quad., Idaho Co. E.-facing talus slope N. (downstream) of the mouth of Second Creek on W. side of Salmon River at RM 35.3, BLM lands. Elev. 1280'. Dry large cobble-boulder taluses with *Rhus diversiloba*, some mosses, *Seligeria*, large *Artemisia*. Uncommon *Oreohelix* n. sp. 25, common *Allogona ptychophora solida*; uncommon *Cryptomastix olneyae* and n. sp. 6. Hand collected. 4/27/1994 TF, EJ! [B22]

149. Below Packers Creek (1441). NW $\frac{1}{4}$ NW $\frac{1}{4}$ NW $\frac{1}{4}$ NW $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 10, T30N R1W, Moughmer Point 1963 quad., Idaho Co. W.-facing talus slope on E. side of Salmon River at RM 32.8, ca. 0.5 mile downstream from mouth of Packer Creek, BLM lands. Elev. 1280'. Steep basalt talus slope; common *Celtus*, scattered *Balsamorhiza*, *Rhus diversiloba*, *Sorbus*; rather dry and open, but some *Seligeria*, mosses, *Cystopteris*. Common *Cryptomastix populi*; rare *Oreohelix* n. sp. 25; rare *Allogona ptychophora ptychophora*. Hand collected. 4/27/1994 TF, EJ! [B21]

150. Skookumchuck Creek 2 (1442). NW $\frac{1}{4}$ NW $\frac{1}{4}$ NE $\frac{1}{4}$ SW $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 6, T27N R2E, Slate Creek 1981 quad., Idaho Co. S.-facing talus on N. side of Skookumchuck Creek, N. side of Dairy Mountain Road (FS2025), ca. 0.3 mile SE of Dairy Mountain Road turnoff (junction with Delmadge Ridge Road). Elev. 2040'. Comparatively dry basalt talus, but abundant *Rhus diversiloba* and scattered *Celtus*, *Prunus*, grasses, other shrubs. Abundant *Oreohelix* n. sp. 25; common *Cryptomastix* n. sp. 5; uncommon *Oreohelix* n. sp. 32; uncommon *Allogona ptychophora ptychophora*. Hand collected. 4/24/1994 TF, EJ! [B34]

151. Skookumchuck Creek 3 (1443). S $\frac{1}{2}$ SW $\frac{1}{4}$ SE $\frac{1}{4}$ NE $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 5, T27N R2E, McKinzie Creek 1963 quad., Idaho Co. S.-facing talus on N. side of Skookumchuck Creek, N. side of Delmadge Ridge Road (FS2025), 1.0-1.3 miles from Dairy Mountain Road turnoff (junction with Dairy Mountain Road) just before stiff sharp turn in road. Elev. 2400'. Very steep basalt talus with *Celtus* locally. Common *Oreohelix* n. sp. 25; uncommon *Allogona ptychophora ptychophora*; common *Cryptomastix* n. sp. 6. Hand collected. 4/25/1994 TF, EJ! [B18]

152. Squaw Creek 4 (1444). SE $\frac{1}{4}$ NE $\frac{1}{4}$ SW $\frac{1}{4}$ SE $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 14, T24N R1W, Kessler Creek 1964 quad., Idaho Co. SE-facing talus N. of Squaw Creek Road (FS487) 0.1 mile E. of junction with Indian Springs Road (FS9901), N. of Squaw Creek, Nez Perce National Forest. Elev. 3800'. Forested (*Pinus ponderosa*, second growth). Limestone substrate. Uncommon large *Oreohelix strigosa* n. subsp. 1; rare *Allogona ptychophora ptychophora*, *Cryptomastix mullani mullani*. Hand collection. 4/26/1994 TF, EJ! [B12]

153. Squaw Creek 5 (1445). Center NW $\frac{1}{4}$ sec. 18, T24N R1E, Kessler Creek 1964 quad., Idaho Co. SE-facing talus slope above Squaw Creek Road (FS487), ca. 2.0 miles E. of intersection with Indian Springs Road (FS9901), N. of Squaw Creek, BLM lands. Elev. 3080'. Steep unstable basalt talus; rather open, dry; some grasses, *Sorbus*, rare *Celtus*. No land snails seen. 4/26/1994 TF, EJ! [B12]

154. Squaw Creek 6 (1446). NW $\frac{1}{4}$ NW $\frac{1}{4}$ SW $\frac{1}{4}$ NW $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 18, T24N R1E, Kessler Creek 1964 quad., Idaho Co. SE-facing talus slope above Squaw Creek Road (FS487), ca. 2.0 miles E. of intersection with Indian Springs (FS9901), N. of Squaw Creek, partly or entirely on BLM lands. Elev. 3040'. Steep unstable basalt talus; rather open, dry; some grasses, *Sorbus*, rare *Celtus*. No land snails seen. 4/26/1994 TF, EJ! [B12]
155. Squaw Creek 7 (1447). SW $\frac{1}{4}$ SE $\frac{1}{4}$ SW $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 7, T24N R1E, Kessler Creek 1964 quad., Idaho Co. SE-facing shallow slope on N. side of Squaw Creek Road (FS487), ca. 2.8 miles from junction with Indian Springs Road (FS9901), N. of Squaw Creek. Elev. 2880'. Open dry grassy slope with scattered small basalt talus piles; abundant grasses, some *Celtus*. No land snails seen. 4/26/1994 TF, EJ! [B12]
156. Squaw Creek 8 (1448). SW $\frac{1}{4}$ NW $\frac{1}{4}$ SW $\frac{1}{4}$ SE $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 8, T24N R1E, Riggins 1964 quad., Idaho Co. Shallow S.-facing slope 0.8 mile W. up Squaw Creek Road (FS487) from Seven Devils Road (FS517) turnoff, N. side, N. of Squaw Creek. Elev. 2760'. Open shallow dry grassy slope with small basalt taluses in scattered piles; abundant grasses, rare *Celtus*, some *Rhus diversiloba*. *Oreohelix* n. sp. 8 very rare live, rare dead; *Cryptomastix mullanii olneyae*. Hand collected. 4/26/1994 TF, EJ! [B28]
157. Below mouth of Telcher Creek (1449). NE $\frac{1}{4}$ SE $\frac{1}{4}$ SW $\frac{1}{4}$ NW $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 4, T30N R1W, Moughmer Point 1963 quad., Idaho Co. SW-facing talus slope below mouth of Telcher Creek on NE side of Salmon River at RM 31.1, BLM lands. Elev. 1200-1240'. Metasedimentary (nephrite) shallow taluses, fairly exposed; common *Prunus*, *Celtus*, *Rhus diversiloba*, and *Rosa*. *Cryptomastix populi*, *Allogona ptychophora solida*, and *Oreohelix* n. sp. 25. Hand collected. 4/28/1994 TF, EJ! [B21]
158. Below and opposite mouth of Telcher Creek (1450). NW $\frac{1}{4}$ SW $\frac{1}{4}$ SW $\frac{1}{4}$ NE $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 4, T30N R1W, Moughmer Point 1963 quad., Idaho Co. NE-facing talus slope below and opposite mouth of Telcher Creek on W. side of unnamed gully, S. side of Salmon River at RM 30.8, BLM lands. Elev. 1240-1280'. Nephrite talus with large cobble-boulders. Largely exposed and open, but common *Celtus* and bryophytes, ninebark, *Prunus* locally. Common *Cryptomastix populi*; very rare *Oreohelix* n. sp. 25 (not collected); common *Allogona ptychophora solida*; *Helicodiscus salmonicus*; rare *Euconulus fulvus alaskensis*; *Cryptomastix* n. sp. 6. Hand collected. 4/28/1994 TF, EJ! [B21]
159. Below mouth of Mahoney Creek (1527). NW $\frac{1}{4}$ SE $\frac{1}{4}$ SW $\frac{1}{4}$ SE $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 1, T30N R2W, Boles 1963 quad., Idaho Co. NE-facing talus on S. side of Salmon River, ca. 0.3 mile above and opposite White House Bar and 0.2 mile below mouth of Mahoney Creek, RM 28.2, BLM lands. Elev. 1320-1360'. Phyllite-nephrite, large cobble-boulder talus; collected in moist mossy, shaded over with *Prunus*, ninebark, *Celtus*, diverse bryophytes. Common *Allogona ptychophora solida*; uncommon *Oreohelix* n. sp. 25; common *Helicodiscus salmonicus*; *Cryptomastix populi*; rare *Cryptomastix* n. sp. 3. Hand collected. 4/28/1994 TF, EJ! [B2]
160. Bank of unnamed creek below White House Bar (1528). SE $\frac{1}{4}$ NW $\frac{1}{4}$ SW $\frac{1}{4}$ NE $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 2, T30N R2W, Boles 1963 quad., Idaho Co. Bank of unnamed creek (W. side) just above mouth of canyon, below (W. of) White House Bar, N. side of Salmon River at RM 27.5, BLM lands. Elev. 1240'. Moist permanent creek with *Cornus stolonifera*; bryophytes; common *Celtus*; small metasedimentary talus piles. Abundant *Cryptomastix populi*; common 3-toothed flat *Cryptomastix* n. sp. 3; uncommon *Oreohelix* n. sp. 25; uncommon *Allogona ptychophora solida*. Hand collected. 4/28/1994 TF, EJ! [B2]
161. Slope above Snow Hole Rapids (1529). N $\frac{1}{2}$ NE $\frac{1}{4}$ NW $\frac{1}{4}$ SE $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 20, T31N R2W, Westlake 1979 quad., Idaho Co. S.-facing slope at mouth of unnamed gully above Snow Hole Rapids, N. side of Salmon River at RM 23.4-23.5, BLM lands. Elev. 1240'. Dry open basalt talus surrounded by granite bedrock; uncommon *Rhus diversiloba*; *Celtus*. Common *Cryptomastix populi*, 3-toothed *Cryptomastix* n. sp. 3; uncommon *Allogona ptychophora ptychophora*; rare *Oreohelix* n. sp. 25. Hand collected. 4/28/1994 TF, EJ! [B36]

162. Below mouth of Maloney Creek (1530). Projected SW corner; NW $\frac{1}{4}$ & SW $\frac{1}{4}$ SE $\frac{1}{4}$ & NW $\frac{1}{4}$ SE $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 7, T31N R2W, Hoover Point 1967 quad., Lewis Co. S.-facing slope on N. side of Salmon River below (W. of) mouth of Maloney Creek at RM 19.9. Elev. 1200'. Open, heavily grazed granite (hornblende, quartz, feldspar) boulder slope; *Artemisia* and grasses. Uncommon live *Oreohelix*; dead *Cryptomastix* only; long-dead *Allogona ptychophora* *ptychophora* (not retained). Hand collected. 4/28/1994 TF, EJ! [B7]

163. White Bird Bridge North 1 (1531). E $\frac{1}{2}$ NW $\frac{1}{4}$ NE $\frac{1}{4}$ SW $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 22, T28N R1E, Slate Creek 1981 quad., Idaho Co. Large W.-facing talus slope to E. of White Bird Road on E. side of Salmon River, ca. 0.25 mile N. of White Bird Bridge at RM 54.2. Elev. 1680-1720'. Large-scale basalt talus slope; dry, open: scattered *Celtus*, grasses at base; cobble-boulder sized rocks. Moderately common large typical *Oreohelix jugalis*. Hand collected. 10/21/1989 TF, EJ, SW! Half of the talus has been mined for road material. Shovel present on the site. No *Oreohelix jugalis* collected. 6/1/1990 TF, EJ, SN! *Oreohelix jugalis* colony now extinct. Talus completely removed by mining for road material. 10/30/1990 TF, EJ! [B32]

164. Skookumchuck Creek 1 (1532). SE $\frac{1}{4}$ SE $\frac{1}{4}$ NW $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 1, T27N R1E, Slate Creek 1981 quad., Idaho Co. S.-facing talus to E. of prominent unnamed gully on N. side of Dairy Mountain Road (FS2025), ca. 3.0 road miles E. from US95 on Dairy Mountain Road (ca. 2.5 miles from mouth of Skookumchuck Creek) Elev. 2000'. Moderate-sized basalt talus; rather open and dry, but common *Rhus diversiloba*, grasses, scattered *Celtus*; *Sambucus* at base. Abundant *Oreohelix vortex*. Hand collected. 9/30/1990 TF, GH! [B34]

165. North of Blackhawk Bar 3 (1533). Center SE $\frac{1}{4}$ SE $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 35, T27N R1E, Slate Creek 1981 quad., Idaho Co. W.-facing cliff and prominent small and steep gully to SE of US95, ca. 9.0 miles N. of Riggins, S. side of the Salmon River at RM 66.9. Elev. 1600-1680'. Mossy schist cliffs and small-scale talus; abundant mosses, some *Prunus*, *Celtus*, *Cystopteris*, grasses. Common small *Cryptomastix harfordiana*; rarer *Allogona ptychophora* (not collected); dead *Oreohelix* n. sp. 21. Hand collected. 10/4/1990 TF, GH! [B35]

166. Slate Creek 8 (1534). N $\frac{1}{2}$ SE $\frac{1}{4}$ SW $\frac{1}{4}$ NW $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 31, T27N R2E, Slate Creek 1981 quad., Idaho Co. S.-facing talus ca. 2.0 miles E. of US95 on Slate Creek Road (FS354) (N. of road), N. of Slate Creek. Elev. 1760-1800'. Very dry open, badly pastured shallow red basalt talus; scattered grasses; locally common *Celtus*. Dead *Oreohelix vortex* (long-dead) not collected. Extinct colony. 6/2/1990 TF, EJ, SN! [B35]

167. Slate Creek 9 (1535). NE $\frac{1}{4}$ SE $\frac{1}{4}$ SW $\frac{1}{4}$ NE $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 31, T27N R2E, Slate Creek 1981 quad., Idaho Co. S.-facing red basalt talus on N. side of Slate Creek Road (FS354), ca. 1.7 miles E. of US95, N. of Slate Creek. Elev. 1720'. Very dry pastured thin red basalt talus, very shallow; common grasses, *Balsamorhiza*, *Artemesia* clumps. Very badly pastured; extinct *Oreohelix vortex* colony (specimens not retained). 6/2/1990 TF, EJ, SN! [B35]

168. Slate Creek 10 (1536). SE $\frac{1}{4}$ SW $\frac{1}{4}$ NE $\frac{1}{4}$ NW $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 31, T27N R2E, Slate Creek 1981 quad., Idaho Co. S.-facing reddish basalt talus N. of Slate Creek Road (FS354), ca. 1.5 miles E. from US95, N. of Slate Creek. Elev. 1680-1720'. Pastured shallow, open and dry grassy reddish basalt talus slope, with common grasses, *Artemesia*, scattered *Celtus*, *Balsamorhiza*. Very badly pastured; extinct *Oreohelix vortex* colony with long-dead shells only not retained. 6/2/1990 TF, EJ, SN! [B35]

169. Slate Creek 11 (1537). SE $\frac{1}{4}$ SW $\frac{1}{4}$ NE $\frac{1}{4}$ & NW $\frac{1}{4}$ NE $\frac{1}{4}$ SE $\frac{1}{4}$ NW $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 36, T27N R1E, Slate Creek 1981 quad., Idaho Co. S.-facing shallow talus above (N. of) Slate Creek Road (FS354), ca. 1.1 miles E. of US95, N. of Slate Creek. Elev. 1640-1680'. Shallow vesicular basalt (with greenish agate) talus slope; some soil in talus; common *Celtus*, grasses, some other forbs. Shallow dry talus; extinct *Oreohelix vortex* colony (shells not retained). 6/2/1990 TF, EJ, SN! [B35]