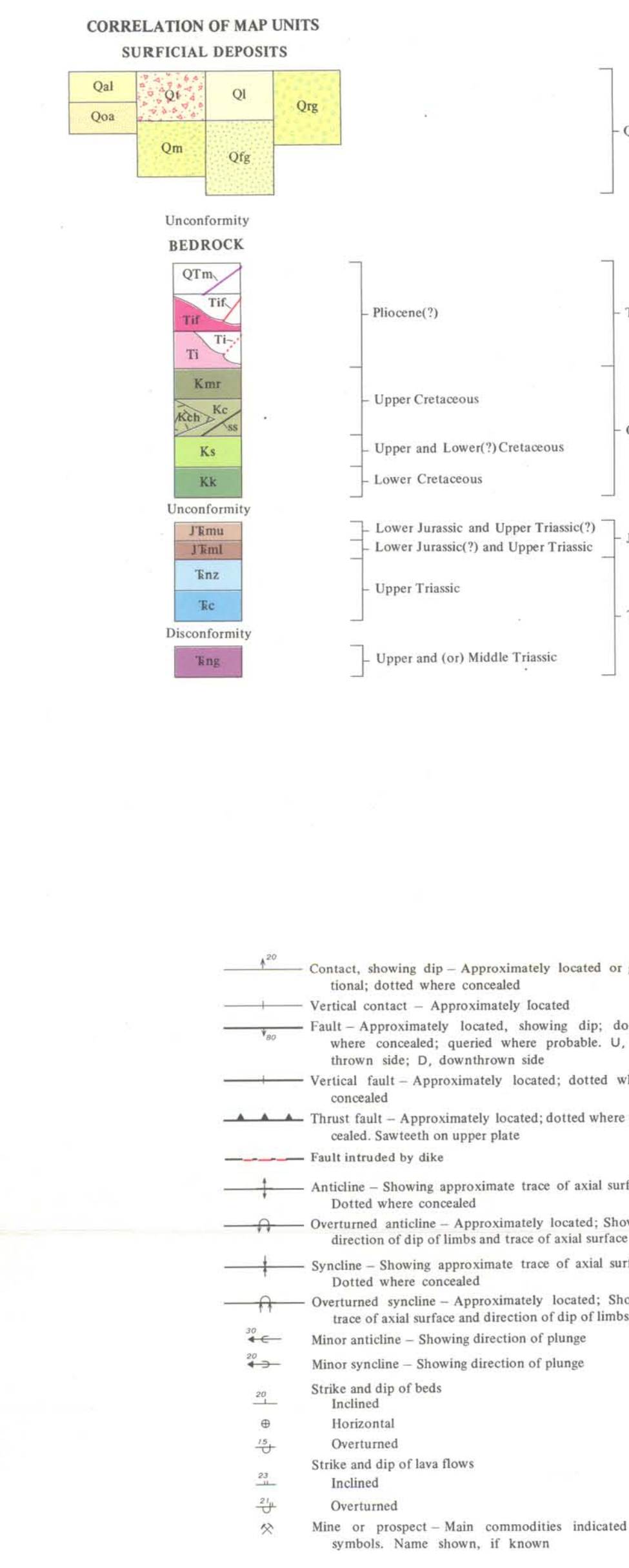
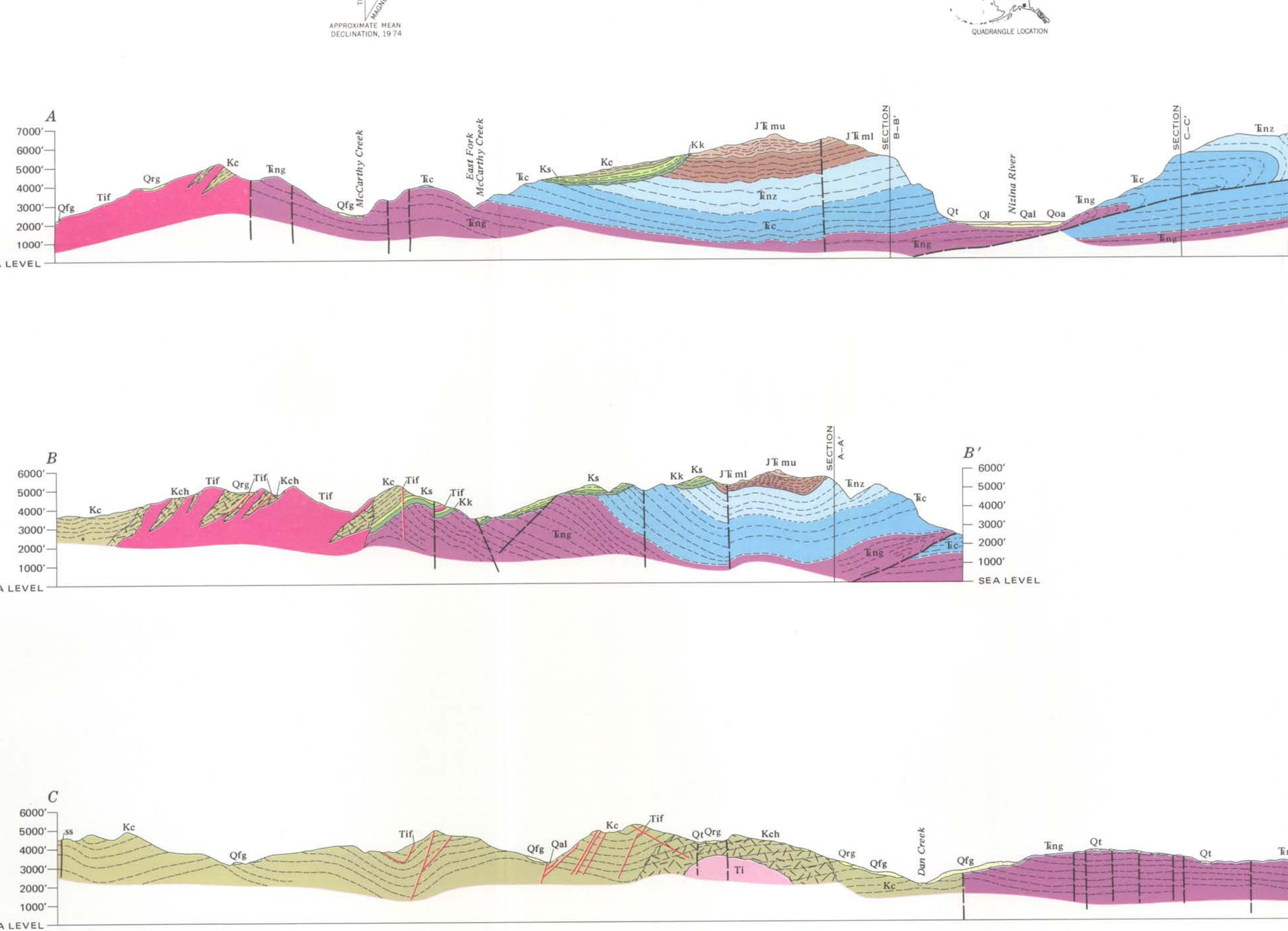


Base by U.S. Geological Survey, 1959  
Universal Transverse Mercator projection, 1927 North  
American datum; 10,000-foot grid based on Alaska  
coordinate system, zone 2; 1000-meter Universal  
Transverse Mercator grid, zone 7, shown in blue



Mines and Prospects

| Name (if known) and location                     | Symbol of main commodity or commodities | Type                   |
|--|---|------------------------|
| ....., sec. 11, T. 5 S., R. 14 E.                | Au, Mo                                  | Quartz vein and lenses |
| Green Butte, sec. 30, T. 4 S., R. 15 E.          | Cu                                      | Vein and replacement   |
| Toose Butte, sec. 30, T. 4 S., R. 15 E.          | Cu                                      | Vein and replacement   |
| Nikolai, sec. 2, T. 5 S., R. 15 E.               | Cu                                      | Vein                   |
| Schulze, sec. 12, T. 5 S., R. 15 E.              | Cu                                      | Vein and replacement   |
| ....., sec. 34, T. 5 S., R. 16 E.                | Cu                                      | Vein                   |
| Crumb Gulch prospect, sec. 15, T. 4 S., R. 16 E. | Au, Sb                                  | Vein                   |
| ....., sec. 27, T. 5 S., R. 16 E.                | Au                                      | Vein                   |

Gold and minor amounts of silver have been recovered from placer deposits along Chititu Creek and its tributaries and along Dun Creek. Native copper is associated with the gold placers.

**DESCRIPTION OF MAP UNITS**

**SURFICIAL DEPOSITS**

- Quaternary:** Qal (Alluvium - Unconsolidated detritus that ranges from clay to boulders in size...), Qol (Taluss - Elogate, cradly lobate masses that are best developed along steep canyon walls...), Qf (Fluvio-glacial and glaciolacustrine deposits - Sand silt and subordinate clay, granules, pebbles...), Qm (Moraines - Mainly relicts of ground moraines that reflect extensive glaciation...).

**Bedrock**

- Tertiary:** Tf (Felsic hypabyssal rocks - Dominantly dacite; forms epotonal stocks and dikes...), Tm (Metamorphosed Chititu rocks - Generally weakly metamorphosed...), Tc (Chititu formation - Dominantly mudstone, subordinate siltstone, shale...).
- Cretaceous:** Kc (Sandstone, siltstone, and paragneiss...), Kf (Felsic hypabyssal rocks - Dominantly dacite...).
- Triassic:** Tr (Sandstone, siltstone, and paragneiss...), Ts (Siltstone, shale, and subordinate sandstone...).

**References:** Armstrong, A. K., MacKevett, E. M., Jr., and Silberling, N. J., 1970. The Chititsu and Nizina Limestones of part of the southern Wrangell Mountains, Alaska...

**GEOLOGIC MAP OF THE MCCARTHY B-5 QUADRANGLE, ALASKA**  
By  
**E.M. MacKevett, Jr.**  
1974