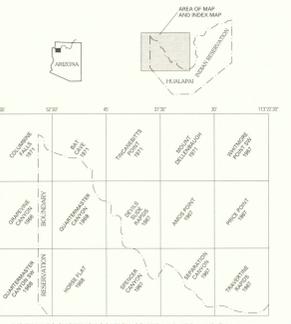


- CLASSIFICATION OF COLLAPSE FEATURES AND BRECCIA PIPES**
- Collapse feature or breccia pipe**—Selected features and pipes have one or more of the following alphanumeric symbols. Features and pipes also have identification numbers (identification number range is from 210 to 1,365, assigned in order of field discovery). Numbers correspond to those used for geochronologic analysis (K.J. Wenrich, unpub. data, 1982-94). Outline of feature or pipe dashed where inferred.
- B**—Brecciated rock indicating the structure is a breccia pipe
 - M**—Mineralized rock containing copper minerals or surface reduction greater than 2.5 times background
 - C1**—Radially inward-dipping beds and alteration (bleaching or iron-rich staining)
 - C2**—Radially inward-dipping beds, no alteration
 - C3**—Visible alteration, no dipping beds
 - C4**—Circular topography or circular vegetation or soil pattern, no alteration or dipping beds
 - C7**—Quadrilateral circular feature. Four recognizable inward-dipping beds, and less little alteration, vegetation change, or topographic change. Feature appears roughly circular
 - S**—Sinkhole
- Breccia pipe mapped by Huntton and others (1981, 1982) or by authors of this map**—Location shown by solid dot, not to scale
- B***—Breccia pipe mapped by Huntton and others (1981, 1982) or by authors of this map—Location shown by solid dot, not to scale
- B***—Sinkhole mapped by Huntton and others (1981, 1982) or by authors of this map—Location shown by solid dot, not to scale

- Fault**—Dashed where approximately located, dotted where concealed; ball and bar on downthrown side; if reverse fault, number indicates estimated displacement in feet; prelates altatum and collatum where shown bounding three units
- Fold**—Bearing trace of axis shown and direction of plunge where known; dashed where approximately located, dotted where concealed
- Manchero**—dashed trace located approximately midway between anticlinal and synclinal hinges of fold. Line that has arrows indicates approximate map distance between fold hinges
- Syncline**
- Anticline**
- Strike and dip of beds**
- Strike and dip of schistosity**
- Inclined**
- Vertical**
- Volcanic vent**



CONVERSION FACTORS

| Multiply | By | To obtain |
|-------------|--------|------------------|
| inches (in) | 2.54 | centimeters (cm) |
| feet (ft) | 0.3048 | meters (m) |
| miles (mi) | 1.609 | kilometers (km) |

Revised from U.S. Geological Survey, 1:50,000
Scale, 1:50,000, 1987, 1988, 1989, 1990, 1991, 1992, 1993, 1994, 1995, 1996, 1997, 1998, 1999, 2000, 2001, 2002, 2003, 2004, 2005, 2006, 2007, 2008, 2009, 2010, 2011, 2012, 2013, 2014, 2015, 2016, 2017, 2018, 2019, 2020, 2021, 2022, 2023, 2024, 2025, 2026, 2027, 2028, 2029, 2030, 2031, 2032, 2033, 2034, 2035, 2036, 2037, 2038, 2039, 2040, 2041, 2042, 2043, 2044, 2045, 2046, 2047, 2048, 2049, 2050, 2051, 2052, 2053, 2054, 2055, 2056, 2057, 2058, 2059, 2060, 2061, 2062, 2063, 2064, 2065, 2066, 2067, 2068, 2069, 2070, 2071, 2072, 2073, 2074, 2075, 2076, 2077, 2078, 2079, 2080, 2081, 2082, 2083, 2084, 2085, 2086, 2087, 2088, 2089, 2090, 2091, 2092, 2093, 2094, 2095, 2096, 2097, 2098, 2099, 2100, 2101, 2102, 2103, 2104, 2105, 2106, 2107, 2108, 2109, 2110, 2111, 2112, 2113, 2114, 2115, 2116, 2117, 2118, 2119, 2120, 2121, 2122, 2123, 2124, 2125, 2126, 2127, 2128, 2129, 2130, 2131, 2132, 2133, 2134, 2135, 2136, 2137, 2138, 2139, 2140, 2141, 2142, 2143, 2144, 2145, 2146, 2147, 2148, 2149, 2150, 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