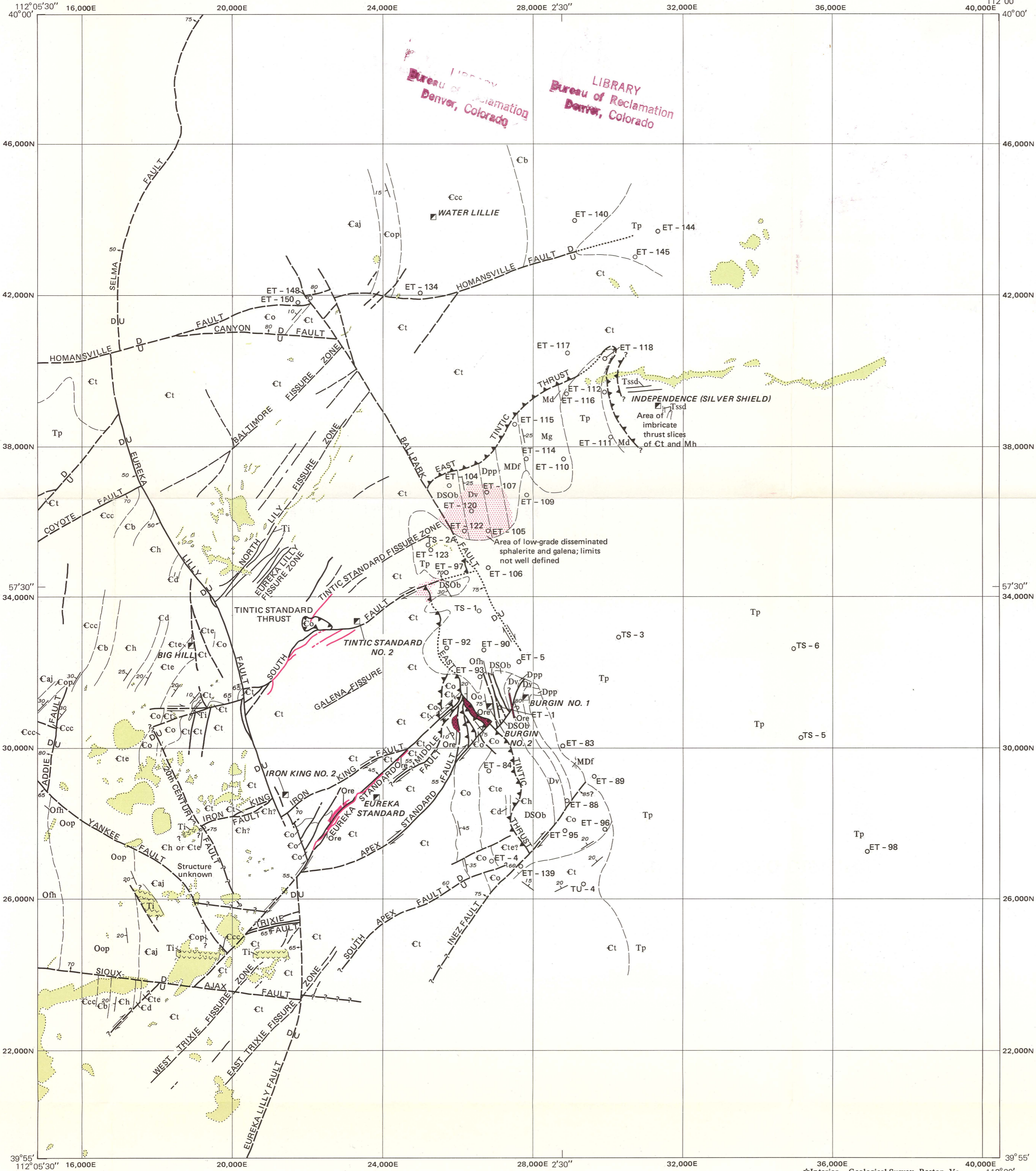


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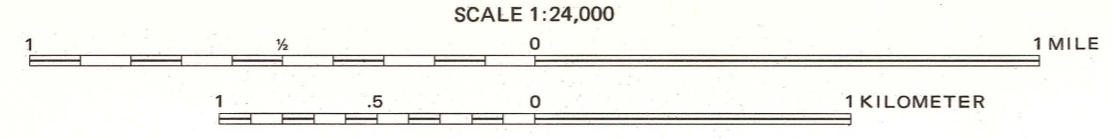


EXPLANATION

<p>Miocene</p> <p>Oligocene</p> <p>Upper Mississippian</p> <p>Lower Mississippian</p> <p>Upper Devonian and Lower Mississippian</p> <p>Upper Devonian</p> <p>Upper Ordovician, Silurian, and Devonian</p> <p>Upper Ordovician</p> <p>Lower Ordovician</p> <p>Upper Cambrian</p> <p>Middle Cambrian</p> <p>Lower Cambrian</p>	<p>TERTIARY</p> <p>CENOZOIC</p> <p>MISSISSIPPIAN</p> <p>DEVONIAN AND MISSISSIPPIAN</p> <p>DEVONIAN, DEVONIAN, AND SILURIAN, AND DEVONIAN</p> <p>ORDOVICIAN, ORDOVICIAN, AND SILURIAN, AND DEVONIAN</p> <p>PALEOZOIC</p> <p>CAMBRIAN</p>	<p>Tssd Silver Shield Quartz Monzonite Dikes near Independence shaft</p> <p>Ore Replacement ore bodies and veins</p> <p>Monzonite, quartz monzonite, and latite porphyry intrusions Solid boundaries indicate known position at 4,500 foot elevation; dotted boundaries indicate position at surface</p> <p>Tp Packard Quartz Latite Locally includes Apex Conglomerate at base</p> <p>Mh Humbug Formation</p> <p>Md Deseret Limestone</p> <p>Mg Gardison Limestone</p> <p>MDf Fitchville Formation</p> <p>Dpp Pinyon Peak Limestone</p> <p>Dv Victoria Formation</p> <p>DSOb Bluebell Dolomite</p> <p>Ofh Fish Haven Dolomite</p> <p>Oop Opohonga Limestone</p> <p>Caj Ajax Dolomite</p> <p>Cop Opex Formation</p> <p>Ccc Cole Canyon Dolomite</p> <p>Cb Bluebird Dolomite</p> <p>Ch Herkimer Limestone</p> <p>Cd Dagmar Dolomite</p> <p>Cte Teutonic Limestone</p> <p>Co Ophir Formation</p> <p>Ct Tintic Quartzite</p> <p>Contact</p> <p>Dashed where inferred</p> <p>Thrust fault</p> <p>Sawteeth on side of upper plate. Dashed where inferred; dotted where concealed; queried where doubtful</p> <p>Tear fault</p> <p>Dashed where inferred, dotted where concealed. Parallel arrows show relative horizontal movement; normal arrow shows dip; queried where doubtful</p> <p>Dip-slip fault</p> <p>Dashed where inferred, dotted where concealed. Arrow shows dip. U, upthrown side; D, downthrown side; queried where doubtful</p> <p>Fissure zone</p> <p>Dashed where inferred</p> <p>Strike and dip of beds</p> <p>Strike and dip of overturned beds</p> <p>Mine shaft at 4,500-foot elevation</p> <p>Drill hole at 4,500-foot elevation</p>	<p>All shown in places with red stippled overprint, showing disseminated sphalerite and galena</p> <p>Area of imbricate thrust slices of Ct and Mh</p> <p>Area of low-grade disseminated sphalerite and galena; limits not well defined</p>
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GS = U.S. Geological Survey, TS = Tintic Standard Mining Co., TU = Tintic Utah Mining Co., ET = Kennecott Copper Corp. (East Tintic Project)

STRUCTURAL PLAN AT 4,500-FOOT ELEVATION, EAST TINTIC MINING DISTRICT,
UTAH AND JUAB COUNTIES, UTAH



Interior - Geological Survey, Reston, Va.
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