



- LIST OF MAP UNITS**
- Note: Quaternary deposits not shown on cross sections. Stratigraphic relationships shown on figure 3.
- |   |   |  |
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| <ul style="list-style-type: none"> <li><span style="color: green;">■</span> Felsic plutons (Early Cretaceous)</li> <li><span style="color: orange;">■</span> Syenite (Early Cretaceous)</li> <li><span style="color: red;">■</span> Proxinite (Early Cretaceous)</li> <li><span style="color: purple;">■</span> Sedimentary rocks (Cambrian)</li> <li><span style="color: blue;">■</span> Dolomite and limestone (Cambrian)</li> <li><span style="color: yellow;">■</span> Wolfley Shale and Flathead Quartzite (Middle Cambrian)</li> <li><span style="color: lightblue;">■</span> Mafic sills (Late and Middle Proterozoic)</li> <li><span style="color: lightgreen;">■</span> Mafic sills (Middle Proterozoic)</li> <li><span style="color: pink;">■</span> Libby Formation (Middle Proterozoic)</li> <li><span style="color: lightpurple;">■</span> Upper part</li> <li><span style="color: lightblue;">■</span> McNamara Formation (Middle Proterozoic)</li> <li><span style="color: lightgreen;">■</span> Bonner Quartzite (Middle Proterozoic)</li> <li><span style="color: lightblue;">■</span> Siltite facies</li> </ul> | <ul style="list-style-type: none"> <li><span style="color: pink;">■</span> Mount Shields Formation (Middle Proterozoic)</li> <li><span style="color: lightblue;">■</span> Upper part</li> <li><span style="color: lightgreen;">■</span> Shepard Formation (Middle Proterozoic)</li> <li><span style="color: lightpurple;">■</span> Purcell Lava (Middle Proterozoic)</li> <li><span style="color: lightblue;">■</span> Snowplow Formation (Middle Proterozoic)</li> <li><span style="color: lightgreen;">■</span> Green facies</li> <li><span style="color: lightpurple;">■</span> Shepard, Snowplow, and Wallace Formations, undivided (Middle Proterozoic)</li> <li><span style="color: lightblue;">■</span> Wallace Formation (Middle Proterozoic)</li> <li><span style="color: lightgreen;">■</span> Upper member</li> <li><span style="color: lightpurple;">■</span> Middle member</li> <li><span style="color: lightblue;">■</span> Lower member</li> <li><span style="color: lightgreen;">■</span> Main body of Helena and middle member of the Wallace Formation (Middle Proterozoic)</li> <li><span style="color: lightpurple;">■</span> Main body of Helena Formation (Middle Proterozoic)</li> <li><span style="color: lightblue;">■</span> Lower member of Helena Formation (Middle Proterozoic)</li> <li><span style="color: lightgreen;">■</span> Empire Formation (Middle Proterozoic)</li> <li><span style="color: lightpurple;">■</span> St. Regis Formation (Middle Proterozoic)</li> </ul> | <ul style="list-style-type: none"> <li><span style="color: lightblue;">■</span> Spokane Formation (Middle Proterozoic)</li> <li><span style="color: lightgreen;">■</span> Revert Formation (Middle Proterozoic)</li> <li><span style="color: lightpurple;">■</span> Burke Formation (Middle Proterozoic)</li> <li><span style="color: lightblue;">■</span> Transition and upper members of Prichard Formation, undivided (Middle Proterozoic)</li> <li><span style="color: lightgreen;">■</span> Transition member of Prichard Formation (Middle Proterozoic)</li> <li><span style="color: lightpurple;">■</span> Upper laminated member of Prichard Formation (Middle Proterozoic)</li> <li><span style="color: lightblue;">■</span> Quartzite member of Prichard Formation (Middle Proterozoic)</li> <li><span style="color: lightgreen;">■</span> Argillite bed</li> <li><span style="color: lightpurple;">■</span> Lower member of Prichard Formation (Middle Proterozoic)</li> <li><span style="color: lightblue;">■</span> Crystalline basement rocks (Early Proterozoic)</li> </ul> |
|---|---|--|
- Contact—Quarried where not mapped on plate 1.  
— Fault—Arrow shows direction of dip; double-headed arrow indicates thrust fault with later normal movement; T—toward observer, A—away from observer.  
~ Tightly folded strata.  
= Large sedimentary slump folds.

**GEOLOGIC SECTIONS OF THE LIBBY THRUST BELT, NORTHWESTERN MONTANA**

By  
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Lines of sections shown on Plate 1