

Major Land Resource Area 060B Pierre Shale Plains, Northern Part

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Ecological site keys

MLRA 60B Ecological Site Key

- I. Lowland sites receiving significant additional run-off moisture or flooding from overflow of ephemeral streams
 - A. Saline and/or sodic conditions are apparent on the soil surface ... R060BE571MT – Saline Lowland 10-14
 - B. Site receives flooding from overflow of ephemeral stream ... R060BE570MT – Overflow 10-14
- II. Upland sites affected by saline and/or sodic conditions
 - A. Soils are slightly to moderately saline ... R060BE580MT – Loamy Saline 10-14
 - B. Soils are moderately to strongly saline ... R060BE572MT – Saline Upland 10-14
- III. Upland sites with soil depths \geq 20 inches
 - A. Soil surface texture is loam or silt loam; \leq 32% clay
 - 1 4-8 inch loamy soil surface texture over dense claypan subsoil ... R060BE565MT – Claypan 10-14
 - 2 1-4 inch loamy soil surface texture over dense claypan subsoil ... R060BE165MT – Thin Claypan 10-14
 - 3 Clay content is \leq 32% within surface mineral 4 inches ... R060BE579MT – Loamy 10-14
 - B. Sites with clayey soil surface texture; $>$ 32% clay
 - 1 Clayey subsoil with blocky or prismatic structure ... R060BE566MT – Clayey 10-14
 - 2 Sites with 15-45% slope ... R060BE583MT – Clayey Steep 10-14
 - 3 Clay content $>$ 45% within surface mineral 2 inches ... R060BE568MT – Dense Clay 10-14
 - 4 Soils with coarse granular clays (typically acid shales) ... R060BE567MT – Coarse Clay 10-14
- IV. Upland sites with soil depths $<$ 20 inches
 - A. Loam or silt loam soil surface texture; \leq 32% clay ... R060BE576MT – Shallow 10-14
 - B. Clayey soil surface texture over shale or dense clay; $>$ 32% clay ... R060BE577MT – Shallow Clay 10-14