

#### **2.6.4 PR-11 Mine Expansion Area Soils**

PR-11 expands the mine permit area immediately adjacent to the northwestern boundary of the previously approved Trapper Mine permit area. The PR-11 Mine Expansion Area contains a total of 137.08 acres which are located in portions of Sections 28 and 29, Township 6 North, Range 91 West of the Sixth Principal Meridian. The PR-11 Mine Expansion Area is located approximately six miles to the south of Craig, Moffat County, Colorado. This soils mapping effort was prepared to satisfy the permit baseline soils sampling requirements of the Regulations of the Colorado Mined Land Reclamation Board for Coal Mining, effective August 30, 1980, last revised September 14, 2005. The soils survey field mapping was completed by Mr. Forrest Luke, consultant.

In evaluating the soils resources of the PR-11 Mine Expansion Area, existing information was reviewed from the Trapper Mine files. Section 2.6.3.1 discusses the historical soils surveys previously conducted at Trapper Mine. The soils mapping for the PR-11 Expansion Area follows the formal Order 1 soils resource investigations previously conducted in the 1970's and 1980's immediately adjacent to the PR-11 Mine Expansion Area.

There are six different soils mapping units located within the 137.08 acres corresponding to the PR-11 Mine Expansion Area. These soil mapping units are listed in Table 2.6-12 below.

The pertinent soils descriptions for each of these soil mapping units and for the soil series, if appropriate, are presented in Sections 2.6.1.1 and 2.6.1.2.

The final soil mapping unit boundaries are presented on Map 29B. Table 2.6-12 shows the acreages associated with each of the final soil mapping units within the PR-11 Mine Expansion Area.

**Table 2.6-12 Soil Mapping Units and Acreages Within PR-11 Mine Expansion Area**

<b>Soil Map Number</b>	<b>Soil Mapping Unit Type</b>	<b>Acreage Within PR-11 Mine Expansion Area</b>
6a	Forelle loam, 0-9 % slopes	90.39
6b	Forelle loam, 10-20% slopes	1.03
25a	Rentsac Variant fine sandy loam, 0-9% slopes	0.84
25b	Rentsac Variant fine sandy loam, 10-29% slopes	6.26
42a	Borollic Camborthids, coarse-loamy, mixed 0-9%	4.34
42b	Borollic Camborthids, coarse-loamy, mixed 10-29%	25.04
	Disturbance	9.18
	<b>Total</b>	<b>137.08</b>