

SOILS OF THE ASHCROFT MAP AREA

MCQUEEN SOILS (MQ)

Location and Forest Zone	Parent Materials and Texture	Map Symbol	Most Common Soil		Less Common Soil		Comments*
			Classification	Drainage	Classification	Drainage	
Thompson and Fraser Plateau Physiographic Regions; Dry Interior Forest Region; Interior Douglas-fir zone (with ponderosa pine).  Fairly extensive distribution, mostly north and south of Kamloops and west and north of Ashcroft.  *Seepage at base of slopes and in depressions improves site productivity but may increase salinity or alkalinity.	Silt loam or silty clay loam, moderately alkaline morainal deposits associated with basic volcanic and limestone bedrock. Generally slightly stony.  A modal profile (Orthic Dark Brown) described and sampled.  Elevations range from 450 to 950 m (1500 to 3000 ft).	MQ1	Orthic Dark Brown	w	-	-	Gently sloping to strongly rolling (5-30% slopes). Vegetation is dominated by grass and shrub disclimax due to fire and grazing.
		MQ2	Orthic Dark Brown	w	Orthic Brown	w	Up to 40% inclusion of less common soil which has developed under edaphically or climatically drier conditions. These may be due to southerly aspects, lower elevations or combination.
		MQ3	Orthic Dark Brown	w	Orthic Black	w	Up to 40% inclusion of less common soil which has developed under edaphically or climatically moister conditions. These may be due to northerly aspects, upper elevations or combination.
		MQ4	Orthic Dark Brown	w	Orthic Dark Gray and/or Degraded Eutric Brunisol	w	Up to 40% inclusions (in total) of less common soils which have developed under mainly forested conditions.
		MQ5	Orthic Dark Brown	w	Lithic Dark Brown and/or Lithic Eutric Brunisol	r	Up to 40% inclusion (in total) of less common soils which are <50 cm thick over bedrock.
		MQ6	Lithic Dark Brown and/or Lithic Eutric Brunisol	r	Rock Outcrop	r	Most common soils are <50 cm thick over bedrock. Up to 40% inclusion of rock outcrops.
		MQ8	Orthic Dark Brown	w	Rego Dark Brown	r	Up to 40% inclusion of less common soil which are affected by sheet, rill and/or gully erosion.
		MQ9	Orthic Dark Brown	w	Calcareous and/or Saline Dark Brown	w,m	Up to 40% inclusion (in total) of less common soils which are affected by saline and/or alkaline seepage.
		MQ10	Orthic Dark Brown	w	Carbonated Dark Brown	w	Up to 40% inclusion of less common soil which has developed due to cultivation.
		MQ11	Orthic Dark Brown	w	Carbonated Black	w	Up to 40% inclusion of less common soil which has developed due to cultivation.

MEANDER SOILS (MA)

Location and Forest Zone	Parent Materials and Texture	Map Symbol	Most Common Soil		Less Common Soil		Comments
			Classification	Drainage	Classification	Drainage	
Thompson and Fraser Plateau Physiographic Regions; Dry Interior Forest Region; Interior Douglas-fir zone (without seral ponderosa pine).  Very limited distribution; only occurs as secondary association in map units.	Silt loam to clay loam, basic (moderately to strongly calcareous) morainal deposits associated with basic volcanic and limestone bedrock. Generally slightly stony.  Elevations range from 1160 to 1280 m (3800 to 4200 ft).	MA1	Orthic Black	w	-	-	Gently sloping to strongly rolling topography (5-30% slopes). Vegetation is dominated by grass and shrub disclimax due to fire and grazing.