

DIGITAL SOILS MAP OF ALBERTA OIL SANDS ENVIRONMENTAL RESEARCH PROGRAM (AOSERP) STUDY AREA

Derived from Soils Inventory 1982 (Turchenek & Lindsay)

TILLS			BRUNISOLS				
	BUCKTON	Colluvial; loamy to clayey; acid to neutral; non to moderately stony	BKN1		FIREBAG	Glaciofluvial; ice contact deposits; sandy; acid to neutral; moderately to exceedingly stony	FIR1 FIR2 FIR3
	HORSE RIVER	Morainal; loamy to clayey; calcareous; moderately to very stony	HRR1		HEART	Eolian; sandy; acid to neutral; variable thickness; slightly stony in deflated veneer areas	HRT4 HRT5 HRT6
	KINOSIS	Morainal; loamy; acid to neutral; moderately to exceedingly stony	KNS1		KEARL	Glaciolacustrine; beach ridges; sandy; neutral; non to slightly stony	KEL1
	LEGEND	Morainal; loamy to clayey; acid; moderately to exceedingly stony	LGD1		MILDRED	Glaciofluvial; outwash plains; sandy; acid to neutral; non to moderately stony	MIL1 MIL2
	SURMOUNT	Morainal; colluviated; loamy to clayey; acid; slightly to very stony	SRT1		RUTH LAKE	Glaciofluvial; meltwater channel deposits; sandy and gravelly; acid to neutral; slightly to exceedingly stony	RUT1
LACUSTRINE			ORGANICS				
	DOVER	Glaciolacustrine over till; clayey; calcareous; non to slightly stony	DOV1		EAGLESHAM	Fer; mesic and fibric (fennic) peat; euc; variable thickness	EGL1
	JOSLYN	Glaciolacustrine over till; clayey; calcareous; non to slightly stony	JSN1		KENZIE	Bog; fibric (sphagnum and forest) and mesic peat; dysic; variable thickness	KNZ1 KNZ2
	LIVOCK	Glaciolacustrine and glaciofluvial over till; loamy; calcareous; non to slightly stony	LVK1		MIKKWA	Bog; fibric (sphagnum and forest) and mesic peat; dysic; frozen less than 1m from surface	MKW1 MKW2
GLEYSOLS			NON - SOILS				
	ALGAR	Glaciolacustrine over till; clayey; calcareous; non to slightly stony	ALG1		DISTURBED LANDS	Anthropogenic; land disturbed by construction and mining activities	DL
	BITUMOUNT	Eolian and glaciofluvial; sandy; neutral; non to slightly stony	BMT1		ROCK	Rock outcrops; undifferentiated	R
	MAMAWI	Fluvial; delta deposits; loamy; calcareous; non-stony	MMW1 MMW2		ROUGH BROKEN	Undifferentiated; steep, unstable stream banks	RB
	STEEP BANK	Morainal and glaciolacustrine; loamy to clayey; neutral; non to moderately stony	STP1		HYDROLOGY		
REGOSOLS				RESERVE			
	CHIPEWYAN	Fluvial; delta deposits; loamy; calcareous; non-stony	CPN1		ACTIVE SAND		
	McMURRAY	Fluvial; channel deposits; sandy to clayey; neutral to calcareous; non to slightly stony	MMY1 MMY2		SETTLEMENT		
	NAMURE	Fluvial; fans and aprons; loamy to clayey; acid to neutral; non to slightly stony	NAM1 NAM2				

