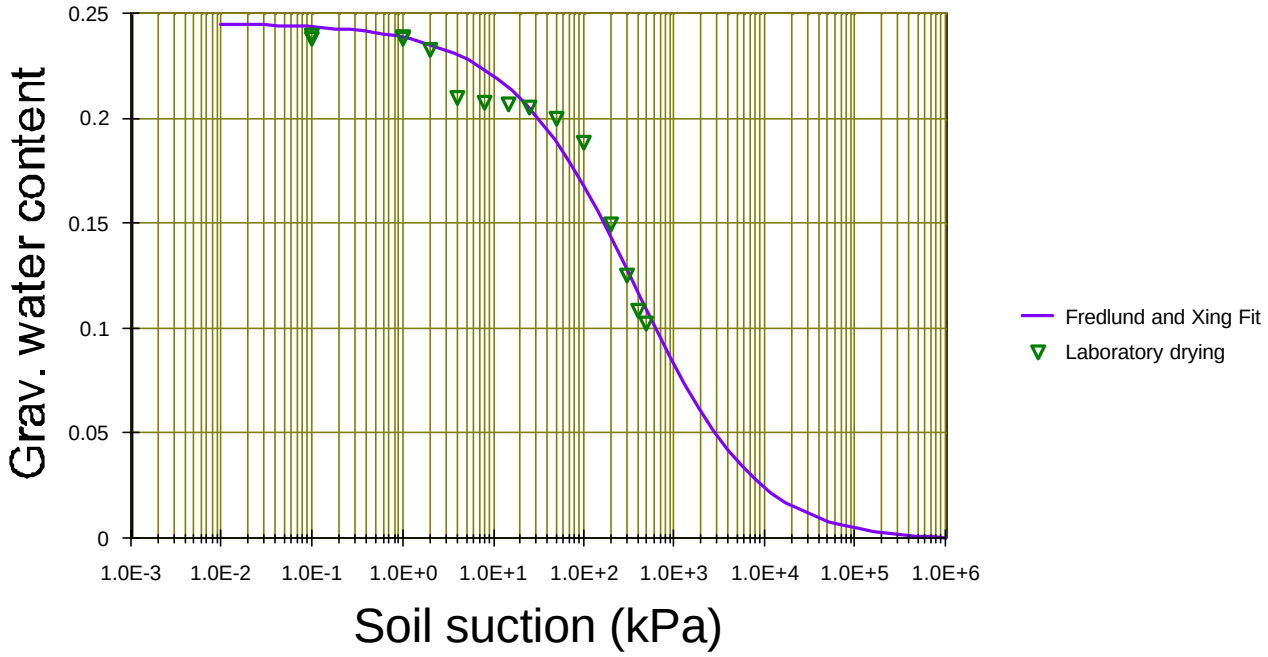
Fredlund and Xing SWCC

SoilVision™



Equation

$$w(y) = w_s \left[1 - \frac{\ln\left(1+\frac{y}{h_r}\right)}{\ln\left(1+\frac{10^6}{h_r}\right)} \right] \left[\frac{1}{\left[\ln\left[\exp(1) + \left(\frac{y}{a_f} \right)^{n_f} \right] \right]^{m_f}} \right]$$

USDA Texture:	Silt Loam
USCS Texture:	Sandy fat clay
Geologic Description:	
Soil Name:	Coal Lake Loam
Soil Description:	Dark gray sandy clayey Loam
USCS Percent Clay:	23.79%
USCS Percent Silt:	43.89%
USCS Percent Sand:	32.02%
USCS Percent Coarse:	0.29%
Plastic Limit:	22.00%
Liquid Limit:	57.00%

SWCC Specimen ID:	SM1332
Gravimetric Water Conten	0.245283
Fredlund Source:	0
Fredlund AEV:	14.515 kPa
af:	350.2199
nf:	0.5910296
mf:	2.516977
hr:	5871.692 kPa
Fredlund Error:	1.00
Fredlund Residual WC:	1.4%

SWCC Test Method:	Pressure plate
SWCC Lab Notes:	

B&L Consulting

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FREDLUND AND XING SWCC

Project:	PRJ2079	**Test Date:**	11-Nov-99
Location:	Northern Saskatchewan, Canada		
Borehole:	BR1340	**Depth:**	2.20 m
Site:		**Technician:**	Dale Pavier
Soil Counter:	948597316	**Sample ID:**	SM1332