MVTL

MINNESOTA VALLEY TESTING LABORATORIES, INC.

1126 N. Front St. ~ New Ulm, MN 56073 ~ 800-782-3557 ~ Fax 507-359-2890
1411 S. 12th St. ~ Bismarck, ND 58502 ~ 800-279-6885 ~ Fax 701-258-9724
51 W. Lincoln Way ~ Nevada, IA 50201 ~ 800-362-0855 ~ Fax 515-382-3885

MEMBER
ACIL

TO: Joe Friedlander
Coteau Properties
204 County Road 15
Beulah, ND 58523

Date Reported: 10/14/10
PurchaseOrder #: 407824 OP
Date Received: 10/ 1/10

PEDON:
LOCATION:

Work Order Number: 201080-79

Laboratory Number	Sample Number	Horizon	Soil Name	Depth	E.C. 25	Cat/E.C.	Ca	Mg	Na	S.A.R	C.C.E.	pH	% O.M.	TXTR	% Sand	% Silt	% Clay	% Very Fine Sand	Sat. Percent
10-S640	OB#1				1.62	12.7	9.2	4.9	6.5	2.45	13.1	7.9	3.55	l	38.5	35.0	26.5		56.3
10-S641	OB#2				1.77	12.7	10.3	5.2	6.9	2.48	14.8	7.7	3.24	cl	23.5	37.5	39.0		70.5

Approved by: Stacy Zander

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Explanation of Overburden Terminology

Abbreviation	Long Name	Units
E.C.25	Electrical Conductivity	mmhos/cm
Cat/E.C.	Cation/E.C. Ratio	(checks data validity)
Ca	Calcium	milli-equilivants/liter
Mg	Magnesium	milli-equilivants/liter
Na	Sodium	milli-equilivants/liter
S.A.R.	Sodium Adsorption Ratio	
C.C.E.	Calcium Carbonate Equilivant	weight percent
pH	pH	units
% O.M.	Percent Organic Matter	weight percent
TXTR	Texture	comment
% Sand	Percent Sand	weight percent
% Silt	Percent Silt	weight percent
% Clay	Percent Clay	weight percent
% Very Fine Sand		weight percent
Sat. Percent	Saturation Percent	weight percent

Texture Abbreviations

sic - silty clay
sc - sandy clay
cl - clay loam
l - loam
sil - silty loam
ls - loamy sand
c - clay
sicl - silty clay loam
scl - sandy clay loam
si - silt
s - sand
sl - sandy loam