

**TABLE 1**  
**Phase I Auger Borings**  
**UMore Park Geological Assessment**  
**ProSource Project No. 1819-00**

PointID	East	North	Elevation	Hole Depth	Site Conditions	Date Drilled	Drilling Contractor	Comments
A1400	490,850.2	4,951,399.4	288.896	45	Plowed field at natural grade.	9/17/2007	WDC	No photographs of field samples 10 to 45 feet.
A1200	490,848.2	4,951,200.1	288.037	42	Soybean field at natural grade.	9/18/2007	WDC	Broke off top auger at 42 feet. Attempted to continue deeper, but not successful.
A0800	490,851.3	4,950,800.3	289.635	65	Soybean field at natural grade.	9/19/2007	WDC	
A1000	490,851.3	4,950,998.9	288.573	65	Soybean field at natural grade.	9/19/2007	WDC	Sample from 45 to 50 foot interval partially discarded (see field photos), small sample taken from this interval.
C0100	491,106.3	4,950,100.2	288.889	61	Edge of field road at natural grade.	9/19/2007	WDC	Interval 45 to 48 feet too dirty - did not sample.
C0300	491,106.1	4,950,300.2	288.927	50	Edge of field road at natural grade.	9/20/2007	WDC	Bit was wet at 50 feet. Seems somewhat high for water table.
C0500	491,106.5	4,950,499.2	290.079	65	Edge of field road at natural grade.	9/20/2007	WDC	Mistakenly discarded 15 to 20 foot sample. Not much gravel 5 to 30 feet. Dirty material 45 to 62 feet may be too dirty and have too many till balls.
C0700	491,105.7	4,950,699.9	288.722	55	Edge of field road at natural grade.	9/20/2007	WDC	
C0900	491,099.2	4,950,872.7	289.929	65	Center of field road at natural grade.	9/20/2007	WDC	
C1100	491,100.1	4,951,098.8	287.176	52	Corn field at natural grade.	9/20/2007	WDC	Broke off top auger at 52 feet. Refusal in coarse gravel at 52 feet. Field photographs are incorrectly labeled "C1000"
C1300	491,101.6	4,951,297.5	288.837	65	Corn field at natural grade.	9/21/2007	WDC	
C1500	491,098.2	4,951,536.1	290.267	65	Between corn field and Co. Rd. 46 right-of-way at top of slope leading down into ditch. May be slightly below natural grade.	9/21/2007	WDC	
E1400	491,301.6	4,951,415.1	290.499	65	Edge of corn field at natural grade.	9/21/2007	WDC	
G1500	491,500.1	4,951,493.5	290.326	65	Edge of field road at natural grade.	9/21/2007	WDC	
E0000	491,299.8	4,949,973.8	288.647	48	Between edge of field road and north edge of 170th Street ditch, probably at natural grade.	9/24/2007	WDC	Interval 2 to 5 feet too dirty to wash, could be used for base or bituminous products.
E0200	491,298.4	4,950,259.2	289.411	50	Edge of field road at natural grade.	9/24/2007	WDC	
E0400	491,300.8	4,950,405.9	289.943	55	Edge of field road at natural grade.	9/24/2007	WDC	
E0600	491,300.1	4,950,550.9	288.961	59	Edge of field road at natural grade.	9/24/2007	WDC	
E0800	491,300.3	4,950,764.3	289.183	65	Edge of field road at natural grade.	9/24/2007	WDC	
G0100	491,500.7	4,950,112.9	289.145	39.5	Edge of field road at natural grade.	9/24/2007	WDC	Broke off top auger at 39.5 feet.
G0300	491,500.6	4,950,257.5	289.015	47	Edge of field road at natural grade.	9/24/2007	WDC	
G0500	491,498.3	4,950,550.2	288.434	65	Edge of field road at natural grade.	9/25/2007	WDC	
G0700	491,500.0	4,950,689.8	288.228	55	Edge of field road at natural grade.	9/25/2007	WDC	Estimated less than 10 percent gravel from 15 to 40 feet.
I0000	491,698.8	4,950,000.4	288.745	20	Edge of field road at natural grade.	9/25/2007	WDC	No samples taken. Estimated less than 10 percent gravel from 7 to 15 feet.
I0200	491,700.6	4,950,201.3	288.759	45	Edge of field road at natural grade.	9/25/2007	WDC	
I0400	491,699.6	4,950,400.3	288.717	65	Edge of field road at natural grade.	9/25/2007	WDC	
I0600	491,698.8	4,950,602.5	288.711	65	Edge of field road at natural grade.	9/25/2007	WDC	
I0800	491,701.6	4,950,764.3	288.454	65	Edge of field road at natural grade.	9/25/2007	WDC	Larger gravel from 40 to 50 based on drill action. Included in samples per driller.
G0900	491,500.0	4,950,874.1	288.242	65	Edge of corn field north of field road at natural grade.	9/26/2007	WDC	Small sample volume from 30 to 45 feet.
I1000	491,700.0	4,950,975.7	286.067	50	Edge of field road at natural grade.	9/26/2007	WDC	
K0100	491,899.3	4,950,109.3	288.235	35	Edge of field road at natural grade.	9/26/2007	WDC	Ground water right on top of till at 32.5 feet, perched?
K0300	491,900.1	4,950,256.7	288.336	47	Edge of field road at natural grade.	9/26/2007	WDC	
K0500	491,900.0	4,950,544.4	288.713	65	Edge of field road at natural grade.	9/26/2007	WDC	
K0700	491,899.9	4,950,739.3	289.11	65	Field at natural grade.	9/26/2007	WDC	
E1000	491,299.3	4,950,977.9	287.871	45	Edge of corn field at natural grade.	9/27/2007	WDC	
I1200	491,700.9	4,951,168.5	288.803	65	Edge of field road at natural grade.	9/27/2007	WDC	
I1400	491,775.1	4,951,401.5	290.118	65	Edge of field road at natural grade.	9/27/2007	WDC	
K1100	491,925.5	4,951,098.9	289.208	50	Edge of Station Trail, surface disturbed.	9/27/2007	WDC	No samples taken. Gap from 10 to 35 feet with no gravel too large.

**TABLE 3**  
**Phase II Rotasonic Borings**  
**UMore Park Geological Assessment**  
**ProSource Project No. 1819-00**

PointID	East	North	Elevation	Hole Depth	Site Conditions	Date Drilled	Drilling Contractor	Comments
O1000	492,304.1	4,950,998.0	287.9	100	Field approach at approximately natural grade.	1/17/2008	Traut Wells	Field sample photographs for 0 to 10 foot intervals incorrectly labeled H1550.
E1900	491,300.6	4,951,898.3	290.5	162	Grassy area in West Research complex at natural grade.	1/22/2008	Traut Wells	
H3450	491,605.4	4,953,447.3	290.4	100	Snow covered field at natural grade.	1/22/2008	Traut Wells	
F2400	491,400.8	4,952,390.4	290.4	120	Along field road at natural grade.	1/23/2008	Traut Wells	Sand from 36 to 54 feet too thick to justify sampling deeper than 36 feet.
H1550	491,600.5	4,951,535.7	290.2	160	Field approach at approximately natural grade.	1/23/2008	Traut Wells	
L1350	492,000.2	4,951,350.3	289.6	160	Snow covered field at natural grade.	2/7/2008	Traut Wells	
P0850	492,403.4	4,950,851.4	288.9	100	Snow covered field at natural grade.	2/7/2008	Traut Wells	Ground water level approximate.
F1850	491,401.9	4,951,848.4	290.3	140	Snow covered field at natural grade.	2/8/2008	Traut Wells	Ground water level approximate.
J1650	491,799.7	4,951,677.8	289.3	160	Snow covered field at natural grade.	2/8/2008	Traut Wells	Ground water level approximate.
A2300	490,931.9	4,952,302.7	290.8	80	Snow covered field at natural grade.	2/11/2008	Traut Wells	Ground water level approximate.
B1750	490,999.6	4,951,748.5	290.3	120	Snow covered field at natural grade.	2/11/2008	Traut Wells	Ground water level approximate.
F3550	491,399.9	4,953,548.8	291.8	100	Snow covered corn stubble field at natural grade.	2/12/2008	Traut Wells	Ground water level approximate.
F3750	491,401.2	4,953,751.1	292.1	120	Snow covered field at natural grade.	2/12/2008	Traut Wells	Ground water level approximate.
H3650	491,597.3	4,953,648.7	291.7	100	Snow covered soybean field at natural grade.	2/12/2008	Traut Wells	Ground water level approximate.
H3850	491,599.5	4,953,849.8	291.7	120	Snow covered soybean field at natural grade.	2/12/2008	Traut Wells	Ground water level approximate.
L3050	491,999.7	4,953,051.5	289.3	100	Snow covered corn stubble field at natural grade.	2/12/2008	Traut Wells	Ground water level approximate.
B0950	491,017.0	4,950,949.7	289.3	100	Snow covered plowed field at natural grade.	2/13/2008	Traut Wells	Ground water level approximate.
B1150	491,023.6	4,951,154.5	286.7	80	Snow covered plowed field at natural grade.	2/13/2008	Traut Wells	Ground water level approximate. Till from 60 to 80 feet discarded at drill site - not photographed.
H0950	491,598.8	4,950,949.5	287.2	110	Snow covered plowed field at natural grade.	2/13/2008	Traut Wells	
H1350	491,603.2	4,951,349.3	290.6	140	Snow covered grassy field road at natural grade.	2/13/2008	Traut Wells	
B3050	491,000.7	4,953,048.7	289.2	100	Snow covered soybean stubble field at natural grade.	2/14/2008	Traut Wells	
C3300	491,100.0	4,953,298.8	290.7	100	Snow covered soybean stubble field at natural grade.	2/14/2008	Traut Wells	
F3350	491,397.7	4,953,347.0	289.2	90	Snow covered corn stubble field at natural grade.	2/14/2008	Traut Wells	Ground water level approximate.
A2700	490,898.2	4,952,701.1	291.3	120	Snow covered soybean stubble field at natural grade.	2/15/2008	Traut Wells	

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PointID	East	North	Elevation	Hole Depth	Site Conditions	Date Drilled	Drilling Contractor	Comments
B0350	491,000.0	4,950,350.3	289.2	45	Snow covered plowed field at natural grade.	2/21/2008	Braun Intertec	
D0450	491,199.6	4,950,450.0	290.3	53	Snow covered plowed field at natural grade.	2/21/2008	Braun Intertec	
H0350	491,600.9	4,950,348.4	288.8	45	Snow covered plowed field at natural grade.	2/21/2008	Braun Intertec	
H0650	491,600.0	4,950,649.6	288.3	65	Snow covered plowed field at natural grade.	2/21/2008	Braun Intertec	
J0050	491,799.7	4,950,049.5	288.4	25	Snow covered plowed field at natural grade.	2/21/2008	Braun Intertec	No samples taken. Good percentage gravel, but only 10 feet thick.
J0350	491,800.9	4,950,351.1	288.4	65	Snow covered plowed field at natural grade.	2/21/2008	Braun Intertec	
K0200	491,900.4	4,950,199.4	288.2	42	Snow covered plowed field at natural grade.	2/21/2008	Braun Intertec	
B1450	490,999.7	4,951,449.2	290.5	65	Snow covered plowed field at natural grade.	2/22/2008	Braun Intertec	
D1150	491,199.6	4,951,149.8	287.7	65	Snow covered plowed field at natural grade.	2/22/2008	Braun Intertec	
D1350	491,200.0	4,951,350.3	290.8	65	Snow covered plowed field at natural grade.	2/22/2008	Braun Intertec	Large rocks in photographs not included in samples.
F1150	491,399.3	4,951,149.5	287.8	65	Snow covered plowed field at natural grade.	2/22/2008	Braun Intertec	
F1350	491,410.5	4,951,347.3	286.5	65	Snow covered plowed field at natural grade.	2/22/2008	Braun Intertec	
B1650	490,999.1	4,951,649.9	290.8	65	Snow covered plowed field at natural grade.	2/25/2008	Braun Intertec	
L1150	492,000.2	4,951,148.9	288.8	65	Snow covered plowed field at natural grade.	2/25/2008	Braun Intertec	
M1500	492,087.9	4,951,499.5	289.2	64	Snow covered grassy field road at natural grade.	2/25/2008	Braun Intertec	Estimated 10 percent gravel from 35 to 60 feet.
N0850	492,203.3	4,950,839.5	288.6	65	Snow covered soybean stubble field at natural grade.	2/25/2008	Braun Intertec	
O0800	492,299.8	4,950,799.0	288.8	65	Snow covered soybean stubble field at natural grade.	2/25/2008	Braun Intertec	
Q1500	492,500.0	4,951,499.8	288.7	20	Snow covered field at natural grade.	2/25/2008	Braun Intertec	
B1850	490,999.4	4,951,850.0	290.6	65	Snow covered field at natural grade.	2/26/2008	Braun Intertec	
B2250	491,000.4	4,952,249.5	290.9	65	Snow covered plowed field at natural grade.	2/26/2008	Braun Intertec	
B2650	491,000.9	4,952,651.7	291.0	65	Snow covered soybean stubble field at natural grade.	2/26/2008	Braun Intertec	
B2850	490,999.9	4,952,849.9	290.7	65	Snow covered soybean stubble field at natural grade.	2/26/2008	Braun Intertec	
D3150	491,199.9	4,953,149.6	290.6	65	Snow covered corn stubble field at natural grade.	2/26/2008	Braun Intertec	
F3150	491,399.5	4,953,149.8	289.8	65	Snow covered corn stubble field at natural grade.	2/26/2008	Braun Intertec	
D2550	491,199.7	4,952,550.3	290.3	65	Plowed field at natural grade.	2/27/2008	Braun Intertec	
D2750	491,200.4	4,952,749.3	290.3	65	Snow covered corn stubble field at natural grade.	2/27/2008	Braun Intertec	
D2950	491,199.8	4,952,949.6	288.4	65	Snow covered corn stubble field at natural grade.	2/27/2008	Braun Intertec	
F2950	491,400.3	4,952,950.2	290.3	65	Snow covered corn stubble field at natural grade.	2/27/2008	Braun Intertec	
H2250	491,601.2	4,952,250.0	290.4	65	Snow covered field at natural grade.	2/27/2008	Braun Intertec	
I2100	491,699.4	4,952,098.9	289.9	59	Snow covered grassy field road at natural grade.	2/27/2008	Braun Intertec	
J2450	491,799.9	4,952,449.1	290.3	65	Snow covered plowed field at natural grade.	2/28/2008	Braun Intertec	
J2650	491,800.4	4,952,647.8	290.0	64	Snow covered plowed field at natural grade.	2/28/2008	Braun Intertec	No samples taken. Interval 6.5 to 15 is good, but estimated 5 to 10 percent gravel from 15 to 50 feet.
J2850	491,800.3	4,952,850.2	290.4	54	Snow covered corn stubble field at natural grade.	2/28/2008	Braun Intertec	
J3750	491,799.5	4,953,750.4	288.6	45	Snow covered field at natural grade.	2/28/2008	Braun Intertec	
K1800	491,897.8	4,951,800.0	289.3	65	Snow covered plowed field at natural grade.	2/28/2008	Braun Intertec	
K3400	491,897.8	4,953,399.2	289.7	65	Snow covered soybean stubble field at natural grade.	2/28/2008	Braun Intertec	
M2300	492,099.6	4,952,296.6	289.3	65	Snow covered corn stubble field at natural grade.	2/29/2008	Braun Intertec	No samples taken. Estimated less than 10 percent gravel from 2 to 50 feet.
N2850	492,201.6	4,952,852.0	289.1	65	Snow covered field at natural grade.	2/29/2008	Braun Intertec	
N3050	492,200.2	4,953,050.0	289.0	65	Snow covered corn stubble field at natural grade.	2/29/2008	Braun Intertec	
P2750	492,399.1	4,952,750.4	289.0	55	Snow covered corn stubble field at natural grade.	2/29/2008	Braun Intertec	
P2950	492,400.4	4,952,950.2	287.9	45	Snow covered corn stubble field at natural grade.	2/29/2008	Braun Intertec	No samples taken. Estimated less than 10 percent gravel from 3 to 30 feet.
N2450	492,200.3	4,952,450.7	287.9	45	Snow covered plowed field at natural grade.	3/3/2008	Braun Intertec	No samples taken. Estimated less than 10 percent gravel from 5 to 37 feet.
R2850	492,599.6	4,952,849.7	287.7	45	Snow covered corn stubble field at natural grade.	3/3/2008	Braun Intertec	

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PointID	East	North	Elevation	Hole Depth	Site Conditions	Date Drilled	Drilling Contractor	Comments
T2650	492,772.2	4,952,654.5	287.3	45	Snow covered corn stubble field at natural grade.	3/3/2008	Braun Intertec	No samples taken. Estimated less than 10 percent gravel from 5 to 25 feet.
U2500	492,896.5	4,952,517.1	286.7	40	Snow covered plowed field at natural grade.	3/3/2008	Braun Intertec	No samples taken. Estimated less than 10 percent gravel from 8 to 33 feet.
V2250	493,000.5	4,952,250.6	287.7	41	Snow covered corn stubble field at natural grade.	3/3/2008	Braun Intertec	No samples taken. Estimated less than 10 percent gravel from 2 to 40 feet.
W2400	493,100.3	4,952,398.7	286.9	45	Snow covered corn stubble field at natural grade.	3/3/2008	Braun Intertec	
DD0850	493,799.6	4,950,850.4	286.1	43	Snow covered soybean stubble field at natural grade.	3/4/2008	Braun Intertec	
DD1050	493,799.8	4,951,049.6	285.5	40	Snow covered soybean stubble field at natural grade.	3/4/2008	Braun Intertec	
FF0550	494,000.4	4,950,550.6	286.2	25	Snow covered alfalfa field at natural grade.	3/4/2008	Braun Intertec	No samples taken. Estimated less than 10 percent gravel from 5 to 20 feet.
FF0850	494,000.9	4,950,849.7	285.9	43	Snow covered soybean stubble field at natural grade.	3/4/2008	Braun Intertec	
FF1050	494,000.2	4,951,049.9	286.0	40	Snow covered soybean stubble field at natural grade.	3/4/2008	Braun Intertec	
U0900	492,900.0	4,950,900.5	287.3	65	Snow covered corn stubble field at natural grade.	3/4/2008	Braun Intertec	
X1050	493,200.0	4,951,049.9	287.2	55	Snow covered soybean stubble field at natural grade.	3/4/2008	Braun Intertec	
Z1050	493,400.1	4,951,049.5	287.1	40	Snow covered soybean stubble field at natural grade.	3/4/2008	Braun Intertec	
BB1350	493,600.9	4,951,350.3	286.4	64	Snow covered field at natural grade.	3/5/2008	Braun Intertec	
DD1250	493,800.3	4,951,249.6	286.3	65	Snow covered field at natural grade.	3/5/2008	Braun Intertec	
EE1400	493,899.4	4,951,399.8	286.1	65	Snow covered field at natural grade.	3/5/2008	Braun Intertec	
FF1250	494,000.6	4,951,250.3	285.1	45	Snow covered field at natural grade.	3/5/2008	Braun Intertec	
FF1450	493,999.9	4,951,448.8	285.8	65	Snow covered field at natural grade.	3/5/2008	Braun Intertec	
Z1250	493,400.2	4,951,249.4	287.2	65	Snow covered field at natural grade.	3/5/2008	Braun Intertec	Large rocks (8-10") in 25 to 35 foot interval disrupted samples from 34 to 45 while tripping out. Not enough material to sample 40 to 45 feet.
BB1150	493,600.4	4,951,149.9	287.3	45	Snow covered field at natural grade.	3/6/2008	Braun Intertec	
FF1650	493,999.5	4,951,648.9	282.8	45	Snow covered field at natural grade.	3/6/2008	Braun Intertec	No samples taken. Estimated less than 10 percent gravel from 7.5 to 45 feet in addition to silt layer from 20 to 24 feet.
GG0700	494,099.9	4,950,699.6	285.8	42	Snow covered alfalfa field at natural grade.	3/6/2008	Braun Intertec	
HH0650	494,199.1	4,950,650.3	285.7	38	Snow covered alfalfa field at natural grade.	3/6/2008	Braun Intertec	
HH1350	494,177.1	4,951,349.7	285.4	45	Snow covered field at natural grade.	3/6/2008	Braun Intertec	
JJ0650	494,400.5	4,950,650.4	285.7	39	Snow covered corn stubble field at natural grade.	3/6/2008	Braun Intertec	
KK0900	494,490.3	4,950,900.2	285.6	45	Snow covered corn stubble field at natural grade.	3/6/2008	Braun Intertec	
JJ0450	494,400.2	4,950,442.7	283.6	45	Snow covered field at natural grade.	3/10/2008	Braun Intertec	
KK0300	494,499.2	4,950,299.8	283.4	55	Snow covered corn stubble field at natural grade.	3/10/2008	Braun Intertec	
LL0350	494,600.5	4,950,350.2	283.0	40	Snow covered corn stubble field at natural grade.	3/10/2008	Braun Intertec	No samples taken. Estimated less than 10 percent gravel from 5 to 30 feet.
LL0550	494,599.9	4,950,549.8	285.5	45	Snow covered corn stubble field at natural grade.	3/10/2008	Braun Intertec	
NN0250	494,799.4	4,950,250.2	283.7	50	Snow covered corn stubble field at natural grade.	3/10/2008	Braun Intertec	
NN0450	494,800.0	4,950,449.0	283.9	45	Snow covered plowed field at natural grade.	3/10/2008	Braun Intertec	
NN0650	494,798.7	4,950,649.6	284.9	35	Snow covered soybean stubble field at natural grade.	3/10/2008	Braun Intertec	
LL0750	494,600.6	4,950,750.5	285.1	37	Snow covered corn stubble field at natural grade.	3/11/2008	Braun Intertec	
LL1250	494,600.7	4,951,250.2	284.6	45	Snow covered corn stubble field at natural grade.	3/11/2008	Braun Intertec	
NN1250	494,800.0	4,951,249.3	284.8	45	Snow covered corn stubble field at natural grade.	3/11/2008	Braun Intertec	
NN1450	494,800.1	4,951,449.9	285.1	52	Snow covered corn stubble field at natural grade.	3/11/2008	Braun Intertec	
RR1450	495,199.7	4,951,449.6	283.1	65	Snow covered soybean stubble field at natural grade.	3/11/2008	Braun Intertec	
TT1450	495,400.7	4,951,449.9	283.8	65	Snow covered soybean stubble field at natural grade.	3/11/2008	Braun Intertec	
PP1250	495,014.7	4,951,249.5	284.6	65	Snow covered soybean stubble field at natural grade.	3/12/2008	Braun Intertec	
PP1450	495,016.0	4,951,450.5	284.5	62	Snow covered soybean stubble field at natural grade.	3/12/2008	Braun Intertec	

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RR1150	495,199.5	4,951,150.2	284.0	45	Snow covered soybean stubble field at natural grade.	3/12/2008	Braun Intertec	
RR1350	495,200.1	4,951,350.5	283.5	60	Snow covered soybean stubble field at natural grade.	3/12/2008	Braun Intertec	
TT1050	495,400.1	4,951,050.1	283.5	65	Snow covered soybean stubble field at natural grade.	3/12/2008	Braun Intertec	Large rocks from 35 to 45 feet disrupted samples from 35 to 45 feet while tripping out.
TT1250	495,399.9	4,951,249.5	283.1	63	Snow covered soybean stubble field at natural grade.	3/12/2008	Braun Intertec	
GG0500	494,094.5	4,950,489.4	285.8	53	Edge of road a few feet above natural grade.	3/27/2008	Braun Intertec	No samples taken. Estimated 10 to 15 percent gravel from 4 to 52 feet.
II0400	494,302.5	4,950,399.7	284.5	40	Snow covered field road at natural grade.	3/27/2008	Braun Intertec	
MM0800	494,722.5	4,950,804.7	285.0	28	Edge of Barbara Avenue a few feet above natural grade.	3/27/2008	Braun Intertec	
TT0850	495,399.3	4,950,843.3	283.4	35	Edge of snow covered road, surface likely disturbed.	3/27/2008	Braun Intertec	
HH0850	494,201.8	4,950,855.7	285.2	38	Edge of Asher Avenue, surface disturbed.	3/28/2008	Braun Intertec	
JJ0850	494,398.8	4,950,846.2	285.3	38	Edge of road a few feet above natural grade.	3/28/2008	Braun Intertec	
R1350	492,611.1	4,951,348.7	287.5	35	Edge of grassy field road at natural grade.	3/28/2008	Braun Intertec	
T1050	492,800.1	4,951,041.9	287.4	65	Edge of grassy field road at natural grade.	3/28/2008	Braun Intertec	
V1050	493,001.0	4,951,039.6	287.1	55	Edge of grassy field road at natural grade.	3/28/2008	Braun Intertec	
B2450	490,998.9	4,952,451.3	290.0	53	Old pasture at natural grade.	4/14/2008	Braun Intertec	
D2350	491,200.0	4,952,397.6	290.3	65	Grassy area at edge of plowed field at natural grade.	4/14/2008	Braun Intertec	
F2150	491,453.9	4,952,131.6	290.6	65	Grassy field road at natural grade.	4/14/2008	Braun Intertec	
G2000	491,499.0	4,951,971.7	290.6	65	Edge of plowed field at natural grade.	4/14/2008	Braun Intertec	
D1650	491,201.4	4,951,647.8	277.8	65	Old pasture at natural grade.	4/15/2008	Braun Intertec	
D1750	491,197.2	4,951,749.0	277.0	65	Old pasture at natural grade.	4/15/2008	Braun Intertec	Ground water level uncertain.
D1850	491,194.0	4,951,849.9	279.8	65	Old pasture at natural grade.	4/15/2008	Braun Intertec	
F1550	491,400.4	4,951,544.0	289.8	64	Edge of plowed field at natural grade.	4/15/2008	Braun Intertec	
J1950	491,799.4	4,951,950.6	289.1	65	Grassy strip between plowed field & field road at natural grade.	4/15/2008	Braun Intertec	
B1250	490,999.1	4,951,250.4	287.7	37	Corn stubble field at natural grade.	4/16/2008	Braun Intertec	Broke 2 extension bars on large rock at 37 feet.
D0950	491,200.8	4,950,975.8	288.3	65	Grassy field road at natural grade.	4/16/2008	Braun Intertec	
E1500	491,304.7	4,951,498.0	285.4	65	Old field at natural grade.	4/16/2008	Braun Intertec	
H0850	491,600.9	4,950,872.0	288.2	65	Grassy field road at natural grade.	4/16/2008	Braun Intertec	
J0750	491,799.9	4,950,759.5	289.0	65	Grassy area next to field road at natural grade.	4/16/2008	Braun Intertec	
J1150	491,773.7	4,951,147.1	288.9	65	Grassy field road at natural grade.	4/16/2008	Braun Intertec	
A0700	490,903.7	4,950,692.8	289.5	52	Edge of plowed field at natural grade.	4/17/2008	Braun Intertec	
B0750	491,000.9	4,950,765.3	289.3	65	Edge of plowed field at natural grade.	4/17/2008	Braun Intertec	
D0750	491,198.2	4,950,764.3	289.3	65	Edge of plowed field at natural grade.	4/17/2008	Braun Intertec	
B0550	491,001.4	4,950,554.2	289.2	65	Grassy field road at natural grade.	4/18/2008	Braun Intertec	
D0550	491,200.3	4,950,551.2	289.6	65	Grassy field road at natural grade.	4/18/2008	Braun Intertec	
F0650	491,399.8	4,950,650.0	288.8	65	Grassy field road at natural grade.	4/18/2008	Braun Intertec	
F0450	491,402.0	4,950,449.8	289.2	44	Grassy field road at natural grade.	4/21/2008	Braun Intertec	
G0400	491,500.9	4,950,404.3	288.8	41	Grassy field road at natural grade.	4/21/2008	Braun Intertec	
L0150	492,000.7	4,950,149.7	288.0	35	Grassy area between road & field at natural grade.	4/21/2008	Braun Intertec	
L0350	491,996.9	4,950,349.3	288.2	65	Grassy area between road & field at natural grade.	4/21/2008	Braun Intertec	
L0550	491,993.1	4,950,544.1	288.7	65	Grassy field road at natural grade.	4/21/2008	Braun Intertec	
N0250	492,204.8	4,950,250.8	287.8	65	Grassy field road at natural grade.	4/21/2008	Braun Intertec	
HH1100	494,199.4	4,951,101.7	285.6	45	Edge of Asher Avenue a few feet above natural grade.	4/22/2008	Braun Intertec	
II1000	494,295.7	4,951,002.4	284.9	40	Edge of grassy area between buildings, surface likely disturbed.	4/22/2008	Braun Intertec	

**TABLE 2**  
**Phase II Auger Borings**  
**UMore Park Geological Assessment**  
**ProSource Project No. 1819-00**

<b>PointID</b>	<b>East</b>	<b>North</b>	<b>Elevation</b>	<b>Hole Depth</b>	<b>Site Conditions</b>	<b>Date Drilled</b>	<b>Drilling Contractor</b>	<b>Comments</b>
II1200	494,290.5	4,951,199.7	284.8	45	Grassy area between buildings, surface likely disturbed.	4/22/2008	Braun Intertec	
N0050	492,207.3	4,950,066.1	287.6	25	Grassy field road at natural grade.	4/22/2008	Braun Intertec	
<b>Total Phase II Auger Footage =</b>				<b>6,868.00</b>				

**TABLE 3**  
**Phase II Rotasonic Borings**  
**UMore Park Geological Assessment**  
**ProSource Project No. 1819-00**

PointID	East	North	Elevation	Hole Depth	Site Conditions	Date Drilled	Drilling Contractor	Comments
J3350	491,802.5	4,953,349.3	290.1	100	Snow covered corn stubble field at natural grade.	2/15/2008	Traut Wells	Ground water level approximate.
D2150	491,201.8	4,952,146.1	291.0	140	Snow covered plowed field at natural grade.	2/25/2008	Traut Wells	Ground water level approximate.
B2150	490,999.9	4,952,150.2	290.9	120	Snow covered plowed field at natural grade.	2/26/2008	Traut Wells	Ground water level approximate.
F2650	491,400.1	4,952,649.8	288.5	100	Snow covered corn stubble field at natural grade.	2/26/2008	Traut Wells	Ground water level approximate.
F2850	491,399.5	4,952,850.1	286.8	100	Snow covered plowed field at natural grade.	2/26/2008	Traut Wells	No samples taken. Estimated less than 10 percent gravel from 7 to 64 feet. Ground water level approximate.
LL2250	494,604.4	4,952,244.3	284.5	135	Snow covered field at natural grade.	2/27/2008	Traut Wells	Ground water level approximate.
PP2950	494,999.3	4,952,947.2	284.7	80	Snow covered soybean stubble field at natural grade.	2/27/2008	Traut Wells	Ground water level approximate.
TT2950	495,400.4	4,952,951.9	283.6	80	Snow covered soybean stubble field at natural grade.	2/27/2008	Traut Wells	
BB2450	493,602.2	4,952,450.4	286.6	100	Snow covered soybean stubble field at natural grade.	2/28/2008	Traut Wells	Ground water level approximate.
FF2450	493,997.7	4,952,451.7	285.7	70	Snow covered soybean stubble field at natural grade.	2/28/2008	Traut Wells	
FF2750	493,994.6	4,952,747.2	285.8	100	Snow covered soybean stubble field at natural grade.	2/28/2008	Traut Wells	No samples taken. Estimated less than 10 percent gravel 3 to 82 feet. Ground water level approximate.
HH2650	494,186.8	4,952,644.7	282.2	100	Snow covered hay field at natural grade.	2/28/2008	Traut Wells	Did not sample 54 to 60 feet. Sample discarded before deciding to sample below. Ground water level approximate.
EE2600	493,893.7	4,952,597.3	286.2	120	Snow covered soybean stubble field at natural grade.	2/29/2008	Traut Wells	
V1250	492,999.6	4,951,250.9	287.8	87	Snow covered corn stubble field at natural grade.	3/3/2008	Traut Wells	Ground water level is approximate.
GG1700	494,090.8	4,951,677.5	284.0	90	Snow covered corn stubble field at natural grade.	3/4/2008	Traut Wells	
LL1850	494,600.5	4,951,843.5	284.7	100	Snow covered corn stubble field at natural grade.	3/4/2008	Traut Wells	
V0950	492,999.1	4,950,950.3	287.3	80	Snow covered corn stubble field at natural grade.	3/4/2008	Traut Wells	Ground water level approximate.
CCC1501	496,342.9	4,951,499.4	279.9	90	Snow covered corn stubble field at natural grade.	3/5/2008	Traut Wells	No samples taken. Estimated less than 10 percent gravel from 8 to 60 feet.
WW3100	495,691.4	4,953,082.3	279.1	80	Snow covered corn stubble field adjacent to old field road at natural grade.	3/5/2008	Traut Wells	
Y0100	493,221.5	4,950,076.0	287.0	92	Snow covered plowed field at natural grade.	3/5/2008	Traut Wells	
BBB3050	496,199.1	4,953,049.1	282.2	92	Snow covered corn stubble field at natural grade.	3/6/2008	Traut Wells	

**TABLE 3**  
**Phase II Rotasonic Borings**  
**UMore Park Geological Assessment**  
**ProSource Project No. 1819-00**

PointID	East	North	Elevation	Hole Depth	Site Conditions	Date Drilled	Drilling Contractor	Comments
CCC2200	496,347.6	4,952,200.8	280.1	80	Snow covered corn stubble field at natural grade.	3/6/2008	Traut Wells	Ground water level approximate.
CCC2600	496,326.0	4,952,596.8	282.4	94	Snow covered corn stubble field at natural grade.	3/6/2008	Traut Wells	
H1750	491,600.0	4,951,751.8	289.5	147	Muddy corn stubble field at natural grade.	3/17/2008	Traut Wells	
B1950	490,996.8	4,951,966.1	290.9	150	Snow covered field road approximately one foot above natural grade.	3/18/2008	Traut Wells	Ground water level approximate.
D1950	491,197.1	4,951,997.2	290.5	120	Snow covered field road at natural grade.	3/18/2008	Traut Wells	Ground water level approximate.
E2300	491,328.6	4,952,299.1	290.9	100	Snow covered field road at natural grade.	3/18/2008	Traut Wells	Ground water level approximate.
E1700	491,325.8	4,951,698.5	289.8	140	Muddy gravel road approximately one foot above natural grade.	3/19/2008	Traut Wells	Samples from 0 to 40 feet were extruded into 6 inch bags. Ground water level approximate.
E2100	491,326.9	4,952,095.8	290.6	100	Snow covered field road at natural grade.	3/19/2008	Traut Wells	Ground water level approximate. Samples from 40 to 100 feet were extruded into 6 inch bags.
H1950	491,628.4	4,951,961.6	290.1	140	Muddy field road at natural grade.	3/19/2008	Traut Wells	Samples were extruded into 6 inch bags.
H1150	491,598.3	4,951,148.0	289.2	142	Grassy field road approximately one foot above natural grade.	3/20/2008	Traut Wells	Samples were extruded into 6 inch bags. Ground water level approximate.
L0750	492,000.9	4,950,763.0	287.5	142	Snow covered field road at approximately natural grade.	3/24/2008	Traut Wells	
L1050	492,000.9	4,951,016.2	289.1	120	Snow covered field road at approximately natural grade.	3/24/2008	Traut Wells	
N1250	492,242.2	4,951,248.3	288.3	80	Field road at approximately natural grade.	3/24/2008	Traut Wells	
JJ1650	494,395.9	4,951,649.3	285.4	80	Snow covered hay field at natural grade.	3/25/2008	Traut Wells	
K1200	491,927.9	4,951,200.0	289.6	140	Edge of Station Trail approximately 2.5 feet above natural grade.	3/25/2008	Traut Wells	
NN1850	494,804.8	4,951,864.2	284.2	80	Edge of field road approximately 1.5 feet above natural grade.	3/25/2008	Traut Wells	
P1150	492,370.8	4,951,150.7	287.5	80	Edge of field road at approximately natural grade.	3/25/2008	Traut Wells	
II2400	494,311.4	4,952,390.8	284.0	100	Grassy field approach at natural grade.	3/26/2008	Traut Wells	
MM2120	494,715.5	4,952,086.3	283.9	122	Grassy yard by building at approximately natural grade.	3/26/2008	Traut Wells	
RR2250	495,213.6	4,952,216.3	283.7	100	Edge of paved surface of 156th Street at approximately natural grade.	3/26/2008	Traut Wells	
VV2250	495,605.9	4,952,219.6	282.9	62	Edge of field road approximately 0.5 feet above natural grade.	3/26/2008	Traut Wells	



**TABLE 3**  
**Phase II Rotasonic Borings**  
**UMore Park Geological Assessment**  
**ProSource Project No. 1819-00**

PointID	East	North	Elevation	Hole Depth	Site Conditions	Date Drilled	Drilling Contractor	Comments
OO2700	494,871.1	4,952,685.8	284.7	100	Grassy lawn at natural grade.	3/27/2008	Traut Wells	
RR1850	495,202.9	4,951,867.5	283.2	102	Muddy field road approximately 2 feet above natural grade.	3/27/2008	Traut Wells	
TT1850	495,390.9	4,951,863.6	283.3	100	Muddy field road approximately 2 feet above natural grade.	3/27/2008	Traut Wells	
F0750	491,400.1	4,950,767.1	289.3	92	Grassy field road at natural grade.	4/22/2008	Traut Wells	
FF0150	494,034.9	4,950,149.0	285.5	80	Edge of gravel road approximately 2.5 feet above natural grade.	4/22/2008	Traut Wells	No samples taken. Estimated 10 to 15 percent gravel from 5 to 74 feet.
JJ0050	494,448.2	4,950,060.8	284.8	78	Edge of gravel road approximately 1 foot above natural grade.	4/22/2008	Traut Wells	No samples taken. Estimated 10 to 15 percent gravel from 8 to 73 feet.
L0450	491,998.9	4,950,496.6	289.2	120	Gravel field road approximately 0.5 feet above natural grade.	4/23/2008	Traut Wells	
L0950	491,983.3	4,950,949.0	289.2	140	Edge of Station Trail approximately 3 feet above natural grade.	4/23/2008	Traut Wells	Ground water level approximate.
O0450	492,325.7	4,950,453.6	287.9	130	Edge of Station Trail approximately 3 feet above natural grade.	4/23/2008	Traut Wells	Ground water level approximate.
<b>Total Phase II Rotasonic Footage =</b>				<b>8,099.00</b>				
<b>Total Phase I and Phase II Footage =</b>				<b>39,803.50</b>				

**TABLE 1**  
**Phase I Auger Borings**  
**UMore Park Geological Assessment**  
**ProSource Project No. 1819-00**

PointID	East	North	Elevation	Hole Depth	Site Conditions	Date Drilled	Drilling Contractor	Comments
K1300	491,926.7	4,951,298.5	289.787	65	Edge of Station Trail, surface disturbed.	9/27/2007	WDC	
M0800	492,070.7	4,950,814.0	286.41	65	Edge of Station Trail, surface disturbed.	9/27/2007	WDC	Ground water seems high at 55 feet.
K1500	491,927.4	4,951,498.6	289.267	65	Edge of Station Trail, surface disturbed.	9/28/2007	WDC	
M1200	492,121.7	4,951,198.9	288.556	55	Edge of field road at natural grade.	9/28/2007	WDC	Broke off top auger at 55 feet. Did not attempt to drill 55 to 65 feet due to very coarse gravel.
M1400	492,122.3	4,951,398.5	288.767	65	Edge of field road at natural grade.	9/28/2007	WDC	
M1000	492,092.8	4,951,010.4	288.743	65	Edge of field at natural grade.	10/1/2007	WDC	
O1500	492,409.8	4,951,499.8	288.642	27	Edge of soybean field at natural grade.	10/17/2007	Braun Intertec	Broke off lower 15 feet of augers at approximately 27 feet. Attempt to retrieve unsuccessful. Abandoned augers in hole.
O1100	492,415.2	4,951,099.9	287.86	65	Edge of soybean field at natural grade.	10/18/2007	Braun Intertec	
O1300	492,410.0	4,951,304.5	288.985	65	Edge of field at natural grade.	10/18/2007	Braun Intertec	40 to 45 feet clean, but low percentage gravel. 45 to 62 dirty and low percentage gravel in samples. No field sample photographs from 5 to 25 feet.
O0500A				17	Edge of Station Trail approximately 6 feet above natural grade.	10/19/2007	Braun Intertec	No samples taken. Broke off auger at 17 feet. Recovered augers.
M0000	492,076.4	4,950,000.5	287.893	15	Alfalfa field at natural grade.	10/22/2007	Braun Intertec	
O0100	492,300.0	4,950,120.1	288.153	45	Edge of field road at natural grade.	10/22/2007	Braun Intertec	40 to 44 foot interval not sampled - too dirty.
O0300	492,298.3	4,950,335.4	288.085	65	Edge of field road at natural grade.	10/22/2007	Braun Intertec	
O0500	492,300.3	4,950,503.3	286.541	65	Edge of Station Trail approximately 6 feet above natural grade.	10/22/2007	Braun Intertec	Second attempt at this location.
M0200	492,100.9	4,950,193.6	288.287	45	Edge of field road at natural grade.	10/23/2007	Braun Intertec	
M0400	492,099.6	4,950,400.3	288.46	65	Soybean stubble field at natural grade.	10/23/2007	Braun Intertec	
M0600	492,100.0	4,950,599.6	287.201	65	Grassy clearing in woods at natural grade.	10/23/2007	Braun Intertec	
O0700	492,299.4	4,950,700.9	287.996	65	Soybean stubble field at natural grade.	10/23/2007	Braun Intertec	
O0900	492,300.0	4,950,899.9	285.638	65	Soybean stubble field at natural grade.	10/23/2007	Braun Intertec	
E1200	491,301.3	4,951,199.6	288.807	65	Corn stubble field at natural grade.	10/24/2007	Braun Intertec	
G1100	491,499.6	4,951,101.3	287.743	65	Corn stubble field at natural grade.	10/24/2007	Braun Intertec	Interval 25 to 35 is the only interval with decent percentage gravel. Too much sand 5 to 25 feet.
G1300	491,500.3	4,951,300.1	288.973	65	Corn stubble field at natural grade.	10/24/2007	Braun Intertec	No Samples taken. Only decent gravel percentage is from 35 to 45 feet. Higher percentage gravel indicated by drill action from 45 to 60 feet than reflected in samples.
K0900	491,899.9	4,950,954.4	287.605	65	Soybean stubble field at natural grade.	10/24/2007	Braun Intertec	Numerous pebbles and cobbles at surface of drill site.
Q1400	492,500.1	4,951,400.3	288.36	45	Soybean stubble field at natural grade.	10/24/2007	Braun Intertec	
Q1000	492,500.1	4,950,999.8	287.095	65	Old soybean field at natural grade.	10/25/2007	Braun Intertec	
Q1200	492,500.9	4,951,200.1	287.737	65	Soybean stubble field at natural grade.	10/25/2007	Braun Intertec	Too much sand between 40 and 60 feet to justify sampling below 40 feet.
W1100	493,100.9	4,951,099.7	287.237	56	Soybean stubble field at natural grade.	10/25/2007	Braun Intertec	Interval 45 to 55 too dirty and iron-stained to sample.
W1300	493,100.1	4,951,298.5	286.836	65	Soybean stubble field at natural grade.	10/25/2007	Braun Intertec	
W1500	493,067.3	4,951,500.4	287.158	45	Edge of Akron Avenue at approximately natural grade.	10/25/2007	Braun Intertec	
AA0100	493,500.8	4,950,099.7	286.129	65	Plowed field at natural grade.	10/26/2007	Braun Intertec	
W0900	493,100.0	4,950,899.9	286.884	45	Soybean stubble field at natural grade.	10/26/2007	Braun Intertec	No samples taken. Estimated less than 5 percent gravel.
Y0000	493,299.5	4,949,999.3	286.609	65	Plowed field at natural grade.	10/26/2007	Braun Intertec	
Y0200	493,300.5	4,950,200.3	287.288	65	Plowed field at natural grade.	10/26/2007	Braun Intertec	
Y0400	493,300.7	4,950,400.3	287.273	65	Plowed field at natural grade.	10/26/2007	Braun Intertec	Field photograph of 0 to 5 foot sample is incorrectly labeled W0900.
AA0300	493,503.1	4,950,298.4	286.599	65	Plowed field at natural grade.	10/29/2007	Braun Intertec	
CC0000	493,701.6	4,950,000.7	285.911	65	Plowed field at natural grade.	10/29/2007	Braun Intertec	
CC0200	493,701.2	4,950,200.1	286.022	65	Plowed field at natural grade.	10/29/2007	Braun Intertec	
CC0400	493,706.7	4,950,399.3	285.966	65	Plowed field at natural grade.	10/29/2007	Braun Intertec	

**TABLE 1**  
**Phase I Auger Borings**  
**UMore Park Geological Assessment**  
**ProSource Project No. 1819-00**

PointID	East	North	Elevation	Hole Depth	Site Conditions	Date Drilled	Drilling Contractor	Comments
AA0500	493,500.2	4,950,505.1	286.402	65	Alfalfa field at natural grade.	10/30/2007	Braun Intertec	
AA0700	493,499.6	4,950,700.9	286.192	65	Alfalfa field at natural grade.	10/30/2007	Braun Intertec	No samples taken.
CC0600	493,699.4	4,950,600.1	286.192	65	Alfalfa field at natural grade.	10/30/2007	Braun Intertec	
EE0100	493,880.6	4,950,102.8	285.063	65	Plowed field at natural grade.	10/30/2007	Braun Intertec	
EE0300	493,881.2	4,950,299.9	285.368	65	Plowed field at natural grade.	10/30/2007	Braun Intertec	
EE0500	493,900.4	4,950,502.7	285.266	25	Alfalfa field at natural grade.	10/30/2007	Braun Intertec	No samples taken. Samples from the upper part of the 5 to 25 foot run were displaced while penetrating the sandstone below.
EE0700	493,899.7	4,950,700.3	285.843	45	Alfalfa field at natural grade.	10/30/2007	Braun Intertec	
AA0900	493,500.2	4,950,865.1	286.34	60	Soybean stubble field at natural grade.	10/31/2007	Braun Intertec	No samples taken. Very little gravel.
CC0800	493,707.6	4,950,806.1	285.836	45	Edge of soybean stubble field approximately 20 feet north of old ditch, assumed at natural grade.	10/31/2007	Braun Intertec	
CC1000	493,700.4	4,951,005.4	286.088	45	Edge of soybean stubble field at natural grade.	10/31/2007	Braun Intertec	
EE0900	493,901.0	4,950,899.3	285.737	45	Soybean stubble field at natural grade.	10/31/2007	Braun Intertec	
Y0600	493,298.8	4,950,599.8	287.202	65	Alfalfa field at natural grade.	10/31/2007	Braun Intertec	No samples taken - quite sandy.
Y0800	493,299.0	4,950,800.5	286.443	65	Alfalfa field approximately 40 feet south of old excavation, assumed at natural grade.	10/31/2007	Braun Intertec	
Y1000	493,303.8	4,951,010.9	286.575	45	Edge of soybean stubble field at natural grade.	10/31/2007	Braun Intertec	Did not sample below 15 feet. 15 to 25 feet too sandy (only fine sand). 25 to 45 feet too dirty + clay balls present. Possible ground water at 44.5 feet, may be perched.
AA1100	493,501.4	4,951,100.9	287.135	55	Idle field at natural grade.	11/1/2007	Braun Intertec	No samples from interval 45 to 47 feet - displaced while drilling sandstone below.
CC1400	493,700.1	4,951,380.3	285.683	65	Edge of field road, surface may be disturbed.	11/1/2007	Braun Intertec	
EE1100	493,899.7	4,951,102.2	285.613	55	Idle field at natural grade.	11/1/2007	Braun Intertec	
EE1300	493,899.7	4,951,300.3	286.451	65	Idle field at natural grade.	11/1/2007	Braun Intertec	
EE1500	493,899.8	4,951,503.6	285.968	65	Idle field at natural grade.	11/1/2007	Braun Intertec	
AA1300	493,497.5	4,951,301.5	286.683	65	Idle field at natural grade.	11/2/2007	Braun Intertec	Second attempt at this location 10 feet west of first attempt.
AA1300A				26	Idle field at natural grade.	11/2/2007	Braun Intertec	Refusal in coarse gravel at 26 feet. No samples taken.
CC1200	493,699.5	4,951,200.9	286.814	65	Grassy area adjacent to idle field at natural grade.	11/2/2007	Braun Intertec	
Y1200	493,300.3	4,951,201.7	286.956	36	Edge of idle field at natural grade.	11/2/2007	Braun Intertec	
Y1400	493,301.5	4,951,375.9	285.777	65	Edge of field road at natural grade.	11/2/2007	Braun Intertec	
Q0800	492,500.4	4,950,800.7	288.405	65	Soybean stubble field at natural grade.	11/5/2007	Braun Intertec	
S0900	492,700.2	4,950,901.5	288.257	56.5	Corn stubble field at natural grade	11/5/2007	Braun Intertec	
U0800	492,898.6	4,950,800.9	287.348	65	Corn stubble field at natural grade.	11/5/2007	Braun Intertec	
U1000	492,900.5	4,951,000.9	287.043	65	Corn stubble field at natural grade	11/5/2007	Braun Intertec	
A0000	490,849.1	4,950,000.4	288.711	65	Plowed field at natural grade.	11/6/2007	Braun Intertec	
A0200	490,849.4	4,950,199.4	289.088	65	Plowed field at natural grade.	11/6/2007	Braun Intertec	
A0400	490,850.0	4,950,400.0	289.286	65	Plowed field at natural grade.	11/6/2007	Braun Intertec	
A0600	490,850.1	4,950,600.6	289.807	64	Plowed field at natural grade.	11/6/2007	Braun Intertec	
GG0000	494,100.8	4,949,999.9	285.162	65	Soybean stubble field at natural grade.	11/6/2007	Braun Intertec	
GG0200	494,100.0	4,950,199.8	285.385	65	Soybean stubble field at natural grade.	11/6/2007	Braun Intertec	
GG0400	494,099.2	4,950,400.3	285.187	50	Soybean stubble field at natural grade.	11/7/2007	Braun Intertec	Broke off lower 25 feet of augers while drilling at 50 feet. Recovered all augers. Refusal in coarse gravel at 50 feet.
GG0600	494,098.1	4,950,600.4	285.638	57	Alfalfa field at natural grade.	11/7/2007	Braun Intertec	
GG0800	494,100.8	4,950,803.6	285.488	45	Soybean stubble field at natural grade.	11/7/2007	Braun Intertec	
GG1000	494,099.2	4,951,000.1	285.656	45	Soybean stubble field at natural grade.	11/7/2007	Braun Intertec	Interval 25 to 36 feet almost till-like
GG1200	494,100.2	4,951,206.5	286.036	38	Plowed field at natural grade.	11/7/2007	Braun Intertec	Field photos for 25 to 35 foot interval are incorrectly labeled. Sticks should be reversed.

**TABLE 1**  
**Phase I Auger Borings**  
**UMore Park Geological Assessment**  
**ProSource Project No. 1819-00**

PointID	East	North	Elevation	Hole Depth	Site Conditions	Date Drilled	Drilling Contractor	Comments
GG1400	494,099.4	4,951,396.2	284.964	50	Plowed field at natural grade.	11/8/2007	Braun Intertec	No samples taken. Not enough gravel 3 to 40 feet to justify only 40 to 50 foot interval. If deposit extends deeper, then may be economic.
II0700	494,300.2	4,950,696.9	285.332	65	Plowed field at natural grade.	11/8/2007	Braun Intertec	
II0900	494,300.1	4,950,835.4	285.089	45	Plowed field at natural grade.	11/8/2007	Braun Intertec	Broke off augers 5 feet below ground at beginning of 45 to 65 foot run. Refusal at 45 feet in coarse gravel.
II1100	494,371.3	4,951,100.3	285.377	45	Edge of corn stubble field at natural grade.	11/8/2007	Braun Intertec	
II1300	494,373.9	4,951,311.9	284.805	45	Edge of corn stubble field at natural grade.	11/8/2007	Braun Intertec	
II0100	494,283.6	4,950,099.5	284.769	65	Edge of soybean stubble field at natural grade.	11/9/2007	Braun Intertec	
II0300	494,303.2	4,950,300.3	284.3	65	Edge of grassy field road at natural grade.	11/9/2007	Braun Intertec	
II0500	494,299.4	4,950,505.1	284.426	65	Edge of plowed field & road ditch assumed at natural grade.	11/9/2007	Braun Intertec	
KK0600	494,499.8	4,950,599.5	285.275	40	Plowed field at natural grade.	11/9/2007	Braun Intertec	
MM0500	494,699.3	4,950,500.4	284.448	45	Edge of plowed field approximately 12 feet north of road at natural grade.	11/9/2007	Braun Intertec	
II1500	494,336.3	4,951,499.7	285.081	32	Edge of plowed field at natural grade.	11/12/2007	Braun Intertec	No samples taken. Not much gravel in samples. May be economic if interval beginning at 31 feet is very thick.
KK0800	494,496.1	4,950,803.5	284.939	40	Edge of plowed field at natural grade.	11/12/2007	Braun Intertec	
KK1000	494,489.2	4,951,000.9	285.142	40	Edge of plowed field approximately 15 feet west of old ditch. Assumed at natural grade.	11/12/2007	Braun Intertec	No samples taken. Estimated less than 5 percent gravel from 4 to 38 feet.
KK1200	494,489.1	4,951,199.9	284.867	60	Edge of plowed field approximately 15 feet west of old ditch. Assumed at natural grade.	11/12/2007	Braun Intertec	
KK1400	494,489.4	4,951,400.6	284.782	55	Edge of plowed field at natural grade.	11/12/2007	Braun Intertec	
MM1500	494,698.2	4,951,500.1	284.579	65	Plowed field at natural grade.	11/12/2007	Braun Intertec	
MM0700	494,708.3	4,950,684.6	284.998	34.5	Grassy area at natural grade.	11/13/2007	Braun Intertec	
MM0900	494,707.6	4,950,900.1	284.669	25	Grassy area at natural grade.	11/13/2007	Braun Intertec	
MM1100	494,699.9	4,951,100.7	285.011	45	Plowed field at natural grade.	11/13/2007	Braun Intertec	Interval 30 to 35 feet has too many till balls to sample.
MM1300	494,699.6	4,951,300.5	284.634	65	Plowed field at natural grade.	11/13/2007	Braun Intertec	
OO0800	494,893.9	4,950,799.4	284.584	35	Soybean stubble field at natural grade.	11/13/2007	Braun Intertec	
OO0600	494,899.8	4,950,600.1	284.02	45	Soybean stubble field at natural grade.	11/13/2007	Braun Intertec	
OO1000	494,920.9	4,951,000.2	287.186	25	Edge of plowed field near top of hill at natural grade.	11/14/2007	Braun Intertec	No samples taken - no outwash present. Numerous boulders along edge of field.
OO1200	494,916.1	4,951,200.0	284.756	65	Edge of plowed field at natural grade.	11/14/2007	Braun Intertec	
OO1400	494,916.0	4,951,400.5	284.14	45	Edge of plowed field at natural grade.	11/14/2007	Braun Intertec	
QQ1100	495,099.9	4,951,104.9	283.867	45	Edge of soybean stubble field at natural grade.	11/14/2007	Braun Intertec	
QQ1300	495,099.3	4,951,303.1	283.633	60	Soybean stubble field at natural grade.	11/14/2007	Braun Intertec	
QQ1500	495,100.0	4,951,500.2	283.218	60	Soybean stubble field at natural grade.	11/14/2007	Braun Intertec	
QQ0900	495,102.5	4,950,900.8	284.451	25	Soybean stubble field at natural grade.	11/15/2007	Braun Intertec	No samples taken - no outwash in upper 25 feet.
OO0200	494,898.6	4,950,200.6	283.803	60	Corn stubble field at natural grade	11/15/2007	Braun Intertec	Estimated less than 5 percent gravel from 10 to 45 feet
OO0400	494,899.9	4,950,400.2	283.273	45	Corn stubble field at natural grade	11/15/2007	Braun Intertec	
QQ0100	495,100.7	4,950,101.0	283.795	65	Corn stubble field at natural grade.	11/15/2007	Braun Intertec	Interval 3.5 to 5 feet may extend as deep as 10 feet based on drill action. Samples taken from 5 to 10 may have "walked up"
QQ0300	495,100.0	4,950,299.5	281.938	45	Corn stubble field at natural grade.	11/15/2007	Braun Intertec	
QQ0500	495,099.9	4,950,499.6	282.62	45	Corn stubble field at natural grade.	11/15/2007	Braun Intertec	
QQ0700	495,100.4	4,950,700.1	284.1	45	Corn stubble field at natural grade.	11/15/2007	Braun Intertec	
KK0000	494,485.9	4,949,999.8	284.368	45	Corn stubble field at natural grade.	11/16/2007	Braun Intertec	
KK0200	494,488.3	4,950,198.2	284.434	65	Corn stubble field at natural grade.	11/16/2007	Braun Intertec	Field sample photos 0 to 25 feet incorrectly labeled KK0400.
KK0400	494,489.8	4,950,400.1	282.647	45	Corn stubble field at natural grade.	11/16/2007	Braun Intertec	
MM0100	494,701.5	4,950,100.0	284.675	65	Corn stubble field at natural grade.	11/16/2007	Braun Intertec	

**TABLE 1**  
**Phase I Auger Borings**  
**UMore Park Geological Assessment**  
**ProSource Project No. 1819-00**

PointID	East	North	Elevation	Hole Depth	Site Conditions	Date Drilled	Drilling Contractor	Comments
MM0300	494,700.3	4,950,299.9	283.405	45	Corn stubble field at natural grade.	11/16/2007	Braun Intertec	
SS0200	495,320.2	4,950,200.1	282.046	40	Corn stubble field at natural grade.	11/16/2007	Braun Intertec	
SS0800	495,300.2	4,950,803.8	283.225	25	Corn stubble field at natural grade.	11/19/2007	Braun Intertec	
SS1000	495,299.9	4,950,999.7	283.48	36	Soybean stubble field at natural grade.	11/19/2007	Braun Intertec	
SS1200	495,301.3	4,951,202.4	283.226	36	Soybean stubble field at natural grade.	11/19/2007	Braun Intertec	Interval 0 to 4 feet may be fill.
SS1400	495,300.5	4,951,400.9	283.038	45	Soybean stubble field at natural grade.	11/19/2007	Braun Intertec	While sampling the 25 to 45 foot interval, it was noted that the samples were saturated with a frothy liquid that smelled of moth balls. The sand from 30 to 45 feet was dry.
SS0400	495,298.8	4,950,400.0	280.078	45	Corn stubble field at natural grade.	11/19/2007	Braun Intertec	
SS0600	495,298.2	4,950,598.6	283.652	40	Corn stubble field at natural grade.	11/19/2007	Braun Intertec	No field sample photographs 5 to 25 feet.
UU0900	495,500.6	4,950,900.0	282.874	40	Soybean stubble field at natural grade.	11/20/2007	Braun Intertec	
UU1100	495,498.3	4,951,100.4	283.056	45	Soybean stubble field at natural grade.	11/20/2007	Braun Intertec	
UU1300	495,499.7	4,951,298.1	282.412	65	Soybean stubble field at natural grade.	11/20/2007	Braun Intertec	
UU0500	495,499.5	4,950,501.3	282.588	45	Corn stubble field at natural grade.	11/20/2007	Braun Intertec	
UU0700	495,499.5	4,950,699.5	279.914	45	Corn stubble field at natural grade.	11/20/2007	Braun Intertec	
UU0100	495,499.8	4,950,100.7	282.06	45	Soybean stubble field at natural grade.	11/21/2007	Braun Intertec	
UU0300	495,500.6	4,950,299.7	282.132	45	Corn stubble field at natural grade.	11/21/2007	Braun Intertec	
WW0000	495,699.6	4,949,999.7	281.417	45	Soybean stubble field at natural grade.	11/21/2007	Braun Intertec	
WW0200	495,700.2	4,950,200.2	282.344	45	Soybean stubble field at natural grade.	11/21/2007	Braun Intertec	
WW0400	495,695.9	4,950,399.5	281.53	65	Plowed field at natural grade.	11/21/2007	Braun Intertec	
AAA0000	496,100.1	4,950,000.7	278.34	45	Soybean stubble field at natural grade.	11/26/2007	Braun Intertec	
AAA0200	496,100.3	4,950,200.5	281.359	25	Soybean stubble field at natural grade.	11/26/2007	Braun Intertec	No samples taken. Estimated less than 5 percent gravel from 4 to 17 feet.
AAA0400	496,099.7	4,950,399.9	281.122	45	Soybean stubble field at natural grade.	11/26/2007	Braun Intertec	Based on drill action, the interval from 25 to 40 seemed better than samples indicated.
YY0100	495,901.8	4,950,099.2	282.349	45	Edge of plowed field at natural grade.	11/26/2007	Braun Intertec	
YY0300	495,900.5	4,950,300.2	281.609	45	Center of old Gopher Ordnance Works road approximately at natural grade.	11/26/2007	Braun Intertec	
YY0500	495,900.8	4,950,476.4	280.034	45	Along edge of old Gopher Ordnance Works road probably a few feet above natural grade.	11/26/2007	Braun Intertec	
UU1500	495,499.4	4,951,500.4	283.628	65	Soybean stubble field at natural grade.	11/27/2007	Braun Intertec	
WW1200	495,706.8	4,951,225.2	282.584	60	Edge of old field at natural grade.	11/27/2007	Braun Intertec	Interval 47 to 60 feet did not drill like sand and gravel - seemed to drill like sandstone.
WW1400	495,700.1	4,951,400.4	282.272	45	Corn stubble field at natural grade.	11/27/2007	Braun Intertec	No samples taken. Estimated less than 5 percent gravel from 12 to 30 feet.
CCC0100	496,269.7	4,950,100.6	277.633	25	Soybean stubble field at natural grade.	11/27/2007	Braun Intertec	No samples taken. Less than 5 percent gravel from 10 to 25 feet.
CCC0300	496,274.9	4,950,301.7	280.687	45	Soybean stubble field at natural grade.	11/27/2007	Braun Intertec	
CCC0500	496,264.1	4,950,493.5	280.643	45	Soybean stubble field at natural grade.	11/27/2007	Braun Intertec	
AAA1200	496,114.5	4,951,191.3	275.643	45	Edge of inactive gravel pit approximately 25 feet below natural grade.	11/28/2007	Braun Intertec	
AAA1400	496,101.7	4,951,429.4	281.202	65	Corn stubble field at natural grade.	11/28/2007	Braun Intertec	
CCC1300	496,304.5	4,951,295.5	280.438	65	Edge of pit road approximately 2 feet below natural grade.	11/28/2007	Braun Intertec	
CCC1500	496,301.1	4,951,499.8	280.206	65	Corn stubble field at natural grade.	11/28/2007	Braun Intertec	
YY1500	495,899.8	4,951,500.6	282.061	45	Corn stubble field at natural grade.	11/28/2007	Braun Intertec	
A1600	490,899.9	4,951,599.5	290.669	65	Plowed field at natural grade.	11/29/2007	Braun Intertec	
A1800	490,899.6	4,951,799.8	290.701	65	Plowed field at natural grade.	11/29/2007	Braun Intertec	
A2000	490,898.2	4,951,999.9	290.755	65	Plowed field at natural grade.	11/29/2007	Braun Intertec	

**TABLE 1**  
**Phase I Auger Borings**  
**UMore Park Geological Assessment**  
**ProSource Project No. 1819-00**

PointID	East	North	Elevation	Hole Depth	Site Conditions	Date Drilled	Drilling Contractor	Comments
YY1300	495,900.5	4,951,325.2	280.542	45	Edge of road through wooded area at natural grade.	11/29/2007	Braun Intertec	
A2200	490,901.0	4,952,198.7	290.717	65	Plowed field at natural grade.	11/30/2007	Braun Intertec	
A2400	490,899.8	4,952,400.6	290.968	65	Plowed field at natural grade.	11/30/2007	Braun Intertec	
A2600	490,895.3	4,952,585.2	291.128	61	Grassy area at natural grade.	11/30/2007	Braun Intertec	
A2800	490,900.6	4,952,799.6	291.733	65	Soybean stubble field at natural grade.	11/30/2007	Braun Intertec	
A3000	490,900.7	4,953,000.0	290.839	65	Snow covered soybean stubble field at natural grade.	12/3/2007	Braun Intertec	
C2700	491,099.0	4,952,699.8	290.64	65	Snow covered soybean stubble field at natural grade.	12/3/2007	Braun Intertec	
C2900	491,099.5	4,952,899.8	289.042	65	Snow covered soybean stubble field at natural grade.	12/3/2007	Braun Intertec	
C3100	491,099.6	4,953,099.8	288.668	65	Snow covered soybean stubble field at natural grade.	12/3/2007	Braun Intertec	
C2100	491,099.5	4,952,100.6	291.058	65	Snow covered plowed field at natural grade.	12/4/2007	Braun Intertec	
C2300	491,100.3	4,952,299.9	290.504	65	Snow covered plowed field at natural grade.	12/4/2007	Braun Intertec	
C2500	491,109.2	4,952,499.6	290.357	65	Edge of snow covered field road at natural grade.	12/4/2007	Braun Intertec	
C1700	491,099.7	4,951,701.4	285.641	25	Snow covered old pasture at natural grade.	12/5/2007	Braun Intertec	No samples taken - greater than 25 feet overburden.
C1900	491,100.9	4,951,899.8	283.48	65	Snow covered old pasture at natural grade.	12/5/2007	Braun Intertec	
E1600	491,342.0	4,951,601.4	289.922	45	Edge of snow covered plowed field at natural grade.	12/5/2007	Braun Intertec	No samples taken. Estimated less than 10 percent gravel from 5 to 45 feet.
E1800	491,299.8	4,951,800.1	290.101	65	Snow covered idle field at natural grade.	12/5/2007	Braun Intertec	
E2000	491,287.8	4,951,999.7	290.59	65	Snow covered idle field at natural grade.	12/5/2007	Braun Intertec	
E2200	491,299.2	4,952,200.7	290.756	65	Snow covered corn stubble field at natural grade.	12/6/2007	Braun Intertec	
E2400	491,299.6	4,952,398.3	290.415	65	Edge of snow covered field road at natural grade.	12/6/2007	Braun Intertec	
E2600	491,304.2	4,952,599.8	290.243	65	Snow covered plowed field at natural grade.	12/6/2007	Braun Intertec	
E2800	491,299.6	4,952,801.2	287.921	65	Snow covered corn stubble field at natural grade.	12/6/2007	Braun Intertec	
E3000	491,299.8	4,953,000.4	289.252	65	Snow covered corn stubble field at natural grade.	12/6/2007	Braun Intertec	
E3200	491,300.3	4,953,201.1	290.002	65	Snow covered corn stubble field at natural grade.	12/7/2007	Braun Intertec	No samples taken below 35 feet - too sandy. Good material starts again at 60 feet.
E3400	491,300.0	4,953,399.9	291.633	65	Snow covered corn stubble field at natural grade.	12/7/2007	Braun Intertec	
E3600	491,300.2	4,953,599.5	292.319	65	Snow covered soybean stubble field at natural grade.	12/7/2007	Braun Intertec	
G3300	491,500.4	4,953,300.0	291.18	65	Snow covered corn stubble field at natural grade.	12/10/2007	Braun Intertec	
G3500	491,499.8	4,953,499.3	291.321	65	Snow covered corn stubble field at natural grade.	12/10/2007	Braun Intertec	
G3700	491,499.7	4,953,700.0	292.118	65	Snow covered soybean stubble field at natural grade.	12/10/2007	Braun Intertec	
G2500	491,500.9	4,952,500.3	289.366	65	Snow covered plowed field at natural grade.	12/11/2007	Braun Intertec	
G2700	491,500.6	4,952,701.2	287.049	65	Snow covered corn stubble field at natural grade.	12/11/2007	Braun Intertec	
G2900	491,501.8	4,952,898.4	289.825	65	Snow covered corn stubble field at natural grade.	12/11/2007	Braun Intertec	
G3100	491,499.0	4,953,100.0	289.467	65	Snow covered corn stubble field at natural grade.	12/11/2007	Braun Intertec	
G3100A				20	Snow covered corn stubble field at natural grade.	12/11/2007	Braun Intertec	No samples taken.
G1700	491,499.5	4,951,699.7	289.999	65	Snow covered plowed field at natural grade.	12/12/2007	Braun Intertec	
G1900	491,500.1	4,951,900.3	290.206	60	Snow covered plowed field at natural grade.	12/12/2007	Braun Intertec	Broke top auger at 52 feet. Pulled up 2 feet and re-drilled 50 to 52 feet. Total depth only 60 feet - no spare augers.
G2100	491,500.6	4,952,096.5	290.552	65	On snow covered grassy field road adjacent to corn stubble field at natural grade.	12/12/2007	Braun Intertec	No samples taken. Estimated less than 5 percent gravel from 4 to 50 feet. 50 to 60 feet is decent material.

**TABLE 1**  
**Phase I Auger Borings**  
**UMore Park Geological Assessment**  
**ProSource Project No. 1819-00**

PointID	East	North	Elevation	Hole Depth	Site Conditions	Date Drilled	Drilling Contractor	Comments
G2300	491,500.3	4,952,299.1	290.095	65	Snow covered soybean stubble field at natural grade.	12/12/2007	Braun Intertec	
I1600	491,699.7	4,951,599.3	289.82	65	Snow covered plowed field at natural grade.	12/13/2007	Braun Intertec	
I1800	491,699.8	4,951,799.1	289.479	65	Snow covered plowed field at natural grade.	12/13/2007	Braun Intertec	
I2000	491,700.8	4,951,999.9	290.025	65	Snow covered corn stubble field at natural grade.	12/13/2007	Braun Intertec	
I2200	491,700.2	4,952,199.5	288.805	65	Snow covered plowed field at natural grade.	12/13/2007	Braun Intertec	No samples taken below 20 feet. Estimated less than 5 percent gravel from 20 to 45 feet. Only about 15 percent gravel from 45 to 65 feet.
I2400	491,698.6	4,952,399.8	289.224	65	Snow covered plowed field at natural grade.	12/13/2007	Braun Intertec	
I2600	491,699.9	4,952,601.2	289.66	65	Snow covered plowed field at natural grade.	12/14/2007	Braun Intertec	Estimated less than 10 percent gravel from 25 to 65 feet.
I2800	491,699.4	4,952,800.5	289.457	65	Snow covered plowed field at natural grade.	12/14/2007	Braun Intertec	Estimated less than 5 percent gravel from 20 to 57 feet.
I3000	491,699.1	4,953,000.5	289.541	65	Snow covered plowed field at natural grade.	12/14/2007	Braun Intertec	
I3200	491,699.2	4,953,200.4	290.373	65	Snow covered field at natural grade.	12/14/2007	Braun Intertec	
I3400	491,699.8	4,953,399.0	289.998	65	Snow covered field at natural grade.	12/17/2007	Braun Intertec	
I3600	491,699.6	4,953,599.0	291.219	65	Snow covered field at natural grade.	12/17/2007	Braun Intertec	
I3800	491,699.7	4,953,800.3	290.231	65	Snow covered field at natural grade.	12/17/2007	Braun Intertec	Poor quality samples from 45 to 65 feet. Large rocks from above knocked off much of the sample resulting in small sample volume.
K3100	491,899.6	4,953,099.4	289.46	65	Snow covered plowed field at natural grade.	12/18/2007	Braun Intertec	
K3300	491,899.3	4,953,299.1	289.965	65	Snow covered soybean stubble field at natural grade.	12/18/2007	Braun Intertec	
K3500	491,899.5	4,953,499.9	289.043	45	Snow covered soybean stubble field at natural grade.	12/18/2007	Braun Intertec	Estimated less than 10 percent gravel from 25 to 35 feet.
K3700	491,874.5	4,953,700.6	287.378	45	Snow covered field at natural grade.	12/18/2007	Braun Intertec	Not enough material to sample 30 to 38 feet.
K2100	491,899.8	4,952,100.8	289.385	65	Snow covered plowed field at natural grade.	12/19/2007	Braun Intertec	No samples taken 25 to 65 feet.. Estimated less than 10 percent gravel from 25 to 65 feet.
K2300	491,899.6	4,952,301.2	290.075	65	Snow covered plowed field at natural grade.	12/19/2007	Braun Intertec	No samples taken. Estimated less than 10 percent gravel from 3.4 to 45 feet, no gravel below 45 feet.
K2500	491,899.5	4,952,500.3	289.711	65	Snow covered plowed field at natural grade.	12/19/2007	Braun Intertec	
K2700	491,901.4	4,952,698.7	289.923	55	Snow covered plowed field at natural grade.	12/19/2007	Braun Intertec	
K2900	491,900.2	4,952,899.7	289.79	65	Snow covered plowed field at natural grade.	12/19/2007	Braun Intertec	Not enough material to sample 4 to 5 feet.
K1700	491,900.1	4,951,699.2	289.532	65	Snow covered plowed field at natural grade.	12/20/2007	Braun Intertec	
K1900	491,899.9	4,951,899.7	289.179	65	Snow covered plowed field at natural grade.	12/20/2007	Braun Intertec	No samples taken. Estimated less than 10 percent gravel from 4 to 45 feet. Estimated 20 percent gravel from 45 to 65 feet.
M1800	492,091.7	4,951,801.7	289.174	65	Edge of snow covered plowed field at natural grade.	12/20/2007	Braun Intertec	Estimated less than 10 percent gravel from 45 to 65 feet.
M2000	492,099.2	4,952,000.3	288.734	65	Snow covered plowed field at natural grade.	12/20/2007	Braun Intertec	
M2200	492,100.5	4,952,201.2	289.082	65	Snow covered plowed field at natural grade.	12/20/2007	Braun Intertec	No samples taken. Estimated less than 5 percent gravel from 3.5 to 65 feet.
M2400	492,100.1	4,952,400.8	288.758	45	Snow covered plowed field at natural grade.	12/21/2007	Braun Intertec	
M2600	492,108.5	4,952,595.9	289.287	50	Snow covered field at natural grade.	12/21/2007	Braun Intertec	
M2800	492,100.4	4,952,779.5	289.583	55	Snow covered grassy area in farm yard at natural grade.	12/21/2007	Braun Intertec	
M3000	492,098.7	4,952,999.8	288.948	65	Snow covered plowed field at natural grade.	1/2/2008	Braun Intertec	
M3200	492,099.3	4,953,199.4	288.862	45	Snow covered field at natural grade.	1/2/2008	Braun Intertec	No samples taken. Estimated less than 10 percent gravel from 2 to 20 feet.
M3400	492,098.8	4,953,399.6	289.662	45	Snow covered field at natural grade.	1/2/2008	Braun Intertec	
M3600	492,096.0	4,953,590.6	288.739	45	Snow covered pasture at natural grade.	1/3/2008	Braun Intertec	
M3800	492,099.8	4,953,801.4	279.542	40	Snow covered pasture at natural grade.	1/3/2008	Braun Intertec	

**TABLE 1**  
**Phase I Auger Borings**  
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PointID	East	North	Elevation	Hole Depth	Site Conditions	Date Drilled	Drilling Contractor	Comments
O3100	492,300.6	4,953,099.6	288.607	45	Snow covered corn stubble field at natural grade.	1/3/2008	Braun Intertec	No samples taken. Estimated less than 10 percent gravel from 3 to 25 feet.
O3300	492,299.4	4,953,299.5	287.695	45	Snow covered corn stubble field at natural grade.	1/3/2008	Braun Intertec	
O3500	492,301.0	4,953,411.7	286.121	45	Edge of snow covered field at natural grade.	1/3/2008	Braun Intertec	
O3700	492,298.6	4,953,696.7	285.036	65	Snow covered pasture at natural grade.	1/3/2008	Braun Intertec	No samples taken. Estimated less than 5 percent gravel from 5 to 55 feet.
O2100	492,299.9	4,952,101.2	288.833	65	Snow covered field at natural grade.	1/4/2008	Braun Intertec	Sand interval from 29 to 50 feet too thick to justify sampling below 30 feet.
O2300	492,298.7	4,952,298.4	288.065	40	Snow covered field at natural grade.	1/4/2008	Braun Intertec	No samples taken. Estimated less than 5 percent gravel from 4.5 to 31 feet.
O2500	492,298.6	4,952,499.9	287.875	45	Snow covered field at natural grade.	1/4/2008	Braun Intertec	No samples taken. Estimated less than 5 percent gravel from 4 to 27 feet.
O2700	492,295.3	4,952,699.5	289.183	55	Snow covered grassy area in farm yard at natural grade.	1/4/2008	Braun Intertec	No samples taken. Estimated less than 10 percent gravel from 3 to 50 feet.
O2900	492,299.6	4,952,900.7	288.195	65	Snow covered corn stubble field at natural grade.	1/4/2008	Braun Intertec	
M1600	492,147.1	4,951,629.1	289.63	45	Snow covered clearing in woods at natural grade.	1/7/2008	Braun Intertec	
O1700	492,299.8	4,951,699.2	288.983	15	Snow covered clearing in woods, surface may be disturbed.	1/7/2008	Braun Intertec	Small sample volume from 5 to 10 feet.
O1900	492,238.5	4,951,845.7	289.512	25	In center of trail through woods at natural grade.	1/7/2008	Braun Intertec	No samples taken. Estimated less than 10 percent gravel from 5 to 20 feet.
S1300	492,701.5	4,951,300.5	285.868	62	Snow covered plowed field at natural grade.	1/7/2008	Braun Intertec	
S1500	492,699.7	4,951,499.0	286.624	40	Snow covered plowed field at natural grade.	1/7/2008	Braun Intertec	No samples taken. Probably not economic due to till layer from 15 to 17 feet, unless there is significant deposit thickness below 40 feet to justify dealing with the till. Upon retrieving augers on last sampling run it was noticed that the lead auger and bit had broken off. Abandoned in hole after one attempt to recover.
S1100	492,699.8	4,951,099.9	287.637	60	Snow covered plowed field at natural grade.	1/8/2008	Braun Intertec	
U1200	492,932.8	4,951,200.5	288.072	55	Snow covered plowed field at natural grade.	1/8/2008	Braun Intertec	Twisted top auger on 50 to 55 foot sampling run in very rocky material. Rather than risk breaking off underground if drilling continued, the hole was terminated at near refusal at 55 feet.
U1400	492,899.3	4,951,411.0	287.601	55	Snow covered grassy area in Ag Engineering yard at natural grade.	1/8/2008	Braun Intertec	
Q1600	492,568.8	4,951,636.6	289.946	25	Edge of snow covered corn stubble field at natural grade.	1/9/2008	Braun Intertec	No samples taken. No sand and gravel present.
Q1800	492,502.1	4,951,800.4	288.158	24	Snow covered corn stubble field at natural grade.	1/9/2008	Braun Intertec	No samples taken. Only 6 feet of sand and gravel.
Q2000	492,500.6	4,951,999.7	288.362	30	Snow covered corn stubble field at natural grade.	1/9/2008	Braun Intertec	No samples taken. 2.5 to 5 feet is quite dirty, 5 to 10 feet has a good percentage gravel, but there is estimated less than 10 percent gravel from 10 to 27 feet.
S1700	492,698.9	4,951,701.1	287.513	20	Snow covered corn stubble field at natural grade.	1/9/2008	Braun Intertec	No samples taken. Estimated less than 10 percent gravel from 5 to 15 feet.
S1900	492,700.4	4,951,899.6	287.657	25	Snow covered corn stubble field at natural grade.	1/9/2008	Braun Intertec	No samples taken. Decent percentage gravel from 3 to 10 feet, but nothing below 10 feet.
S2100	492,700.5	4,952,099.6	288.473	35	Snow covered corn stubble field at natural grade.	1/9/2008	Braun Intertec	No samples taken. Estimated 10 percent gravel from 3 to 33 feet.
U1800	492,900.0	4,951,799.3	286.331	25	Snow covered corn stubble field at natural grade.	1/9/2008	Braun Intertec	No samples taken. Estimated less than 5 percent gravel from 7 to 24.5 feet.
U2000	492,868.6	4,951,979.9	287.385	25	Snow covered corn stubble field at natural grade.	1/9/2008	Braun Intertec	No samples taken. Estimated less than 5 percent gravel from 11 to 24 feet.



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PointID	East	North	Elevation	Hole Depth	Site Conditions	Date Drilled	Drilling Contractor	Comments
U1600	492,893.5	4,951,626.9	288.592	20	Edge of snow covered corn stubble field at natural grade.	1/10/2008	Braun Intertec	No samples taken.
U2200	492,900.2	4,952,200.0	288.577	40	Snow covered corn stubble field at natural grade.	1/10/2008	Braun Intertec	
U3000	492,899.7	4,953,000.3	286.157	45	Snow covered field at natural grade.	1/10/2008	Braun Intertec	No samples taken. Estimated 10 percent gravel from 2 to 20 feet.
W1700	493,061.4	4,951,704.7	285.923	25	Snow covered corn stubble field at natural grade.	1/10/2008	Braun Intertec	No samples taken. Estimated 10 percent gravel from 6 to 17 feet.
W1900	493,100.7	4,951,900.5	285.056	30	Snow covered corn stubble field at natural grade.	1/10/2008	Braun Intertec	No samples taken. Estimated less than 5 percent gravel from 6.5 to 27 feet. Field sample photographs incorrectly labeled W1700.
W2100	493,099.3	4,952,098.9	287.509	20	Snow covered corn stubble field at natural grade.	1/10/2008	Braun Intertec	No samples taken. Estimated 5 percent gravel from 2 to 14 feet.
W2700	493,099.4	4,952,699.5	287.449	40	Snow covered field at natural grade.	1/10/2008	Braun Intertec	
W2900	493,098.9	4,952,899.9	286.588	65	Snow covered field at natural grade.	1/10/2008	Braun Intertec	No samples taken below 25 feet. No gravel from 25 to 45 feet and estimated 10 percent gravel from 45 to 65 feet.
Q2200	492,423.1	4,952,198.9	287.676	45	Snow covered field at natural grade.	1/11/2008	Braun Intertec	No samples taken. Less than 10 percent gravel from 6 to 25 feet.
S2300	492,699.3	4,952,299.4	288.098	45	Snow covered corn stubble field at natural grade.	1/11/2008	Braun Intertec	
S2500	492,713.8	4,952,489.6	286.923	40	Snow covered corn stubble field at natural grade.	1/11/2008	Braun Intertec	No samples taken. Estimated less than or equal to 10 percent gravel from 4 to 33 feet.
U2400	492,885.8	4,952,390.3	287.492	45	Snow covered corn stubble field at natural grade.	1/11/2008	Braun Intertec	
U2600	492,900.1	4,952,601.4	286.486	35	Snow covered field at natural grade.	1/11/2008	Braun Intertec	
U2800	492,900.3	4,952,799.6	287.813	45	Snow covered field at natural grade.	1/11/2008	Braun Intertec	
W2300	493,099.9	4,952,299.5	287.498	37	Snow covered corn stubble field at natural grade.	1/11/2008	Braun Intertec	
W2500	493,098.7	4,952,499.3	286.534	45	Snow covered corn stubble field at natural grade.	1/11/2008	Braun Intertec	No samples taken. Estimated less than 10 percent gravel from 7 to 20 feet, estimated 25 percent gravel from 20 to 25 feet and nothing below 25 feet.
Q2400	492,499.5	4,952,399.7	287.116	45	Snow covered field at natural grade.	1/14/2008	Braun Intertec	No samples taken. Estimated less than 5 percent gravel from 5 to 45 feet.
Q2600	492,500.3	4,952,600.0	287.671	45	Snow covered field at natural grade.	1/15/2008	Braun Intertec	No samples taken. Estimated less than 5 percent gravel from 5 to 35 feet.
Q2800	492,500.4	4,952,799.0	288.083	61	Snow covered corn stubble field at natural grade.	1/15/2008	Braun Intertec	
Q3000	492,499.8	4,952,999.7	288.401	45	Snow covered corn stubble field at natural grade.	1/15/2008	Braun Intertec	
Q3200	492,500.1	4,953,199.0	286.288	45	Snow covered corn stubble field at natural grade.	1/15/2008	Braun Intertec	
Q3400	492,500.9	4,953,399.3	286.867	40	Snow covered corn stubble field at natural grade.	1/15/2008	Braun Intertec	No samples taken. Estimated less than 10 percent gravel from 2 to 25 feet.
S2700	492,700.0	4,952,698.9	287.83	45	Snow covered corn stubble field at natural grade.	1/15/2008	Braun Intertec	
S2900	492,699.0	4,952,899.2	288.123	45	Snow covered corn stubble field at natural grade.	1/15/2008	Braun Intertec	No samples taken. Estimated less than 5 percent gravel from 3 to 35 feet.
Q3600	492,546.6	4,953,598.5	287.133	40	Snow covered corn stubble field apparently at natural grade, but 0 to 20 feet appears disturbed..	1/16/2008	Braun Intertec	
Q3800	492,537.9	4,953,801.0	286.043	45	Snow covered corn stubble field at natural grade.	1/16/2008	Braun Intertec	
S3100	492,700.5	4,953,015.8	287.694	45	Snow covered corn stubble field at natural grade.	1/16/2008	Braun Intertec	No samples taken. Less than 10 percent gravel from 2 to 30 feet.
S3500	492,700.5	4,953,499.2	288.229	45	Snow covered pasture at natural grade.	1/16/2008	Braun Intertec	
S3700	492,699.6	4,953,699.5	288.233	40	Snow covered corn stubble field at natural grade.	1/16/2008	Braun Intertec	
U3400	492,899.9	4,953,398.7	287.039	45	Snow covered pasture at natural grade.	1/16/2008	Braun Intertec	No samples taken. Estimated less than 5 percent gravel from 4 to 25 feet. Field photographs incorrectly labeled S3500.
U3600	492,900.7	4,953,599.6	288.099	40	Snow covered corn stubble field at natural grade.	1/16/2008	Braun Intertec	No samples taken. Estimated less than 10 percent gravel from 3 to 30 feet.
U3800	492,899.6	4,953,800.5	287.824	40	Snow covered corn stubble field at natural grade.	1/16/2008	Braun Intertec	

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PointID	East	North	Elevation	Hole Depth	Site Conditions	Date Drilled	Drilling Contractor	Comments
S3300	492,726.6	4,953,298.0	286.371	45	Snow covered pasture at natural grade.	1/17/2008	Braun Intertec	No samples taken. Estimated less than 5 percent gravel from 1 to 45 feet.
U3200	492,894.3	4,953,217.6	288.063	40	Along road within beef research complex at natural grade.	1/17/2008	Braun Intertec	
W3300	493,101.3	4,953,299.8	286.594	40	Snow covered grassy area between buildings in Beef Research complex.	1/17/2008	Braun Intertec	No samples taken. Estimated less than 10 percent gravel from 4 to 25 feet.
W3500	493,100.6	4,953,499.3	286.976	45	Snow covered pasture at natural grade.	1/17/2008	Braun Intertec	
W3700	493,101.3	4,953,700.9	287.329	45	Snow covered corn stubble field at natural grade.	1/17/2008	Braun Intertec	
AA2700	493,501.8	4,952,700.1	285.957	40	Edge of snow covered road approximately 4 feet above natural grade.	1/18/2008	Braun Intertec	No samples taken. Estimated less than 10 percent gravel from 7 to 20 feet.
AA2900	493,496.7	4,952,976.2	286.182	40	Edge of snow covered road a few feet above natural grade.	1/18/2008	Braun Intertec	No samples taken. Estimated less than 10 percent gravel from 4 to 25 feet.
AA3100	493,500.0	4,953,100.7	285.293	40	Snow covered grassy clearing between road and woods.	1/18/2008	Braun Intertec	No samples taken. Estimated less than 10 percent gravel from 1.5 to 15 feet.
AA3300	493,493.2	4,953,299.7	277.547	35	Snow covered grassy area at natural grade.	1/18/2008	Braun Intertec	No samples taken. Estimated less than 5 percent gravel from 10 to 32 feet.
Y2800	493,314.0	4,952,799.9	284.159	45	Snow covered clearing in woods at natural grade.	1/18/2008	Braun Intertec	No samples taken. Estimated less than 5 percent gravel from 6 to 25 feet.
Y3000	493,388.5	4,952,976.4	286.567	45	Intersection of snow covered paved road a few feet above natural grade.	1/18/2008	Braun Intertec	No samples taken. Estimated less than 10 percent gravel from 7 to 25 feet.
Y3200	493,303.1	4,953,208.7	286.054	45	Snow covered grassy area at natural grade.	1/18/2008	Braun Intertec	No samples taken. Estimated less than 5 to 10 percent gravel from 1.5 to 25 feet.
Y3400	493,311.6	4,953,400.8	286.28	40	Snow covered grassy area within foundations research site.	1/18/2008	Braun Intertec	
AA2500	493,499.4	4,952,505.5	286.787	65	Snow covered grassy area next to airstrip, surface likely disturbed.	1/21/2008	Braun Intertec	Small volume of sample from 45 to 65 foot interval due to large rocks knocking sample off of augers while tripping out.
CC3000	493,707.2	4,952,999.7	285.333	40	Snow covered grassy area inside fence at former Navy facility at natural grade.	1/21/2008	Braun Intertec	No samples taken. Estimated less than 5 percent gravel from 3.5 to 25 feet.
CC3400	493,710.5	4,953,399.0	275.904	25	Snow covered brushy area at natural grade.	1/21/2008	Braun Intertec	No samples taken. Estimated less than 5 percent gravel from 1 to 24 feet.
EE3100	493,839.5	4,953,076.8	282.647	35	Snow covered grassy area inside fence at former Navy facility at natural grade.	1/21/2008	Braun Intertec	No samples taken. Estimated less than 10 percent gravel from 6 to 30 feet.
Y2600	493,300.1	4,952,599.7	286.428	45	Snow covered field, surface likely disturbed.	1/21/2008	Braun Intertec	No samples taken. Estimated less than 10 percent gravel from 4 to 35 feet.
CC2400	493,698.5	4,952,399.4	286.185	65	Snow covered field at natural grade.	1/22/2008	Braun Intertec	
CC2600	493,700.0	4,952,599.8	286.754	65	Snow covered field at natural grade.	1/22/2008	Braun Intertec	
CC2800	493,703.5	4,952,803.8	271.715	25	Snow covered low area at natural grade.	1/22/2008	Braun Intertec	No samples taken. Estimated less than 5 percent gravel from 12 to 25 feet.
EE2500	493,904.7	4,952,518.1	286.22	65	Edge of taxi-way between hangers and airstrip, surface likely disturbed.	1/22/2008	Braun Intertec	Estimated 10 to 15 percent gravel from 50 to 65 feet, not quite enough to sample.
EE2700	493,899.6	4,952,699.0	286.342	65	Snow covered field at natural grade.	1/22/2008	Braun Intertec	
EE2900	494,002.0	4,952,875.3	278.489	65	Snow covered low area at natural grade.	1/22/2008	Braun Intertec	
GG2200	494,117.5	4,952,165.9	283.612	45	Edge of snow covered trail, surface likely disturbed.	1/25/2008	Braun Intertec	No samples taken. Estimated less than 10 percent gravel from 5 to 25 feet.
GG2400	494,099.5	4,952,402.1	286.149	65	Snow covered field at natural grade.	1/25/2008	Braun Intertec	Small sample volume 45 to 50 and 60 to 65 feet due to augers catching on either rocks or concrete rubble in 6 to 8.5 foot interval while tripping out.
GG2600	494,100.3	4,952,599.7	285.753	65	Snow covered field at natural grade.	1/25/2008	Braun Intertec	

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PointID	East	North	Elevation	Hole Depth	Site Conditions	Date Drilled	Drilling Contractor	Comments
W3100	493,065.4	4,953,108.7	284.414	45	Snow covered open area in Beef Research complex.	1/25/2008	Braun Intertec	
Y2400	493,300.0	4,952,397.7	285.851	50	Snow covered field at natural grade.	1/25/2008	Braun Intertec	
EE3300	493,903.0	4,953,300.5	269.47	45	Snow covered low area at natural grade.	1/28/2008	Braun Intertec	No samples taken. Decent gravel starts at 41 feet. High water table would have hindered sample quality if drilled deeper. Silt and clay in samples may in part be contamination with overburden.
GG2800	494,099.2	4,952,799.6	275.562	25	Snow covered field at natural grade.	1/28/2008	Braun Intertec	No samples taken. 20 feet of overburden and no gravel 20 to 25 feet.
GG3000	494,099.7	4,952,999.9	277.379	65	Snow covered corn stubble field at natural grade.	1/28/2008	Braun Intertec	Estimated 10 to 15 percent gravel from 45 to 65 feet.
II2300	494,281.1	4,952,306.4	283.185	65	Snow covered grassy clearing in woods at natural grade.	1/28/2008	Braun Intertec	
II2500	494,300.3	4,952,500.0	285.207	55	Snow covered field at natural grade.	1/28/2008	Braun Intertec	Hole terminated at 55 feet - driller thought he encountered "clay" between 50 & 55 feet, but sand is present all the way to 55 feet.
II2700	494,299.6	4,952,700.1	269.813	45	Snow covered corn stubble field at natural grade.	1/28/2008	Braun Intertec	No samples taken. Estimated less than 15 percent gravel from 10 to 45 feet, also note high water table.
II2900	494,303.1	4,952,891.8	272.889	45	Snow covered corn stubble field at natural grade.	1/28/2008	Braun Intertec	No samples taken. Estimated less than 15 percent gravel from 3 to 45 feet, also note high water table.
GG1600	494,099.4	4,951,609.2	285.257	65	Snow covered field at natural grade.	1/29/2008	Braun Intertec	
II1700	494,300.1	4,951,699.4	285.07	43	Snow covered pasture at natural grade.	1/29/2008	Braun Intertec	
II1900	494,321.6	4,951,902.9	284.32	65	Snow covered pasture at natural grade.	1/29/2008	Braun Intertec	Estimated 10 to 15 percent gravel from 45 to 65 feet, not enough to justify sampling 10 feet of very fine sand above.
II2100	494,299.6	4,952,099.7	277.268	65	Snow covered pasture at natural grade.	1/29/2008	Braun Intertec	
KK1600	494,506.9	4,951,648.6	285.478	48	Snow covered area next to road through farm complex at natural grade.	1/31/2008	Braun Intertec	
KK1800	494,479.5	4,951,800.2	284.326	35	Snow covered field at natural grade.	1/31/2008	Braun Intertec	
KK2000	494,479.6	4,951,999.5	283.471	65	Snow covered field at natural grade.	1/31/2008	Braun Intertec	
KK2200	494,474.3	4,952,200.1	281.575	65	Snow covered field at natural grade.	1/31/2008	Braun Intertec	
MM1700	494,700.1	4,951,699.4	284.454	60	Snow covered field at natural grade.	1/31/2008	Braun Intertec	
MM1900	494,699.8	4,951,899.7	284.725	65	Snow covered field at natural grade.	1/31/2008	Braun Intertec	
KK2400	494,500.3	4,952,380.4	284.713	65	Snow covered clearing in woods on old railroad grade, surface disturbed.	2/1/2008	Braun Intertec	
KK2600	494,510.2	4,952,599.5	284.285	65	Snow covered old railroad grade approximately 15 to 20 feet above natural grade.	2/1/2008	Braun Intertec	
MM2100	494,670.6	4,952,072.2	283.474	65	Snow covered grassy area at natural grade.	2/1/2008	Braun Intertec	Large rock (~8") was dragged up while tripping out 25 to 45 foot sample, causing disruption of 35 to 45 foot samples.
MM2300	494,700.5	4,952,299.1	284.914	65	Snow covered field at natural grade.	2/1/2008	Braun Intertec	
GG3200	494,111.1	4,953,277.2	282.955	65	Snow covered grassy area next to test driving track at approximately natural grade.	2/4/2008	Braun Intertec	
GG3400	494,100.8	4,953,400.1	285.091	65	Snow covered grassy area next to test driving track at approximately natural grade.	2/4/2008	Braun Intertec	
II3100	494,317.8	4,953,100.0	285.69	65	Snow covered clearing in woods at natural grade.	2/4/2008	Braun Intertec	
II3300	494,300.8	4,953,299.0	283.365	65	Snow covered grassy area next to test driving track at approximately natural grade.	2/4/2008	Braun Intertec	
KK2800	494,515.8	4,952,790.2	284.424	65	Snow covered old railroad grade approximately 10 to 12 feet above natural grade.	2/4/2008	Braun Intertec	
KK3000	494,501.8	4,952,999.0	285.94	65	Snow covered field, surface likely disturbed.	2/5/2008	Braun Intertec	
KK3200	494,509.9	4,953,199.5	284.609	65	Edge of snow covered old Gopher Ordnance Works road a few feet above natural grade.	2/5/2008	Braun Intertec	

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PointID	East	North	Elevation	Hole Depth	Site Conditions	Date Drilled	Drilling Contractor	Comments
KK3400	494,487.5	4,953,411.4	283.984	60	Snow covered clearing in woods at natural grade.	2/5/2008	Braun Intertec	
KK3600	494,499.8	4,953,604.1	285.52	65	Snow covered field at natural grade.	2/5/2008	Braun Intertec	
KK3800	494,504.8	4,953,774.5	286.029	65	Snow covered field at natural grade.	2/5/2008	Braun Intertec	3 to 5 foot sample mistakenly combined with 25 to 30 foot sample.
MM2900	494,706.0	4,952,914.0	285.604	57	Snow covered field, surface likely disturbed.	2/5/2008	Braun Intertec	
MM3100	494,701.1	4,953,100.3	285.517	65	Snow covered field at natural grade.	2/6/2008	Braun Intertec	
MM3300	494,700.0	4,953,300.9	280.842	55	Snow covered field at natural grade.	2/6/2008	Braun Intertec	
MM3500	494,700.5	4,953,499.9	283.587	55	Snow covered field at natural grade.	2/6/2008	Braun Intertec	
MM3700	494,701.1	4,953,698.4	285.36	50	Snow covered plowed field at natural grade.	2/6/2008	Braun Intertec	
OO3400	494,899.1	4,953,400.1	280.86	40	Snow covered field at natural grade.	2/6/2008	Braun Intertec	
OO3600	494,900.2	4,953,599.7	285.25	50	Snow covered plowed field at natural grade.	2/6/2008	Braun Intertec	
OO3800	494,901.0	4,953,799.9	284.53	33	Snow covered plowed field at natural grade.	2/6/2008	Braun Intertec	No samples taken. Estimated less than 10 percent gravel from 5 to 29 feet.
OO3000	494,900.1	4,952,998.8	285.22	65	Snow covered field at natural grade.	2/7/2008	Braun Intertec	
OO3200	494,882.1	4,953,191.6	283.41	60	Snow covered clearing in woods a few feet above natural grade.	2/7/2008	Braun Intertec	
QQ2900	495,097.1	4,952,910.5	285.13	65	Snow covered field, surface likely disturbed.	2/7/2008	Braun Intertec	
QQ3100	495,092.6	4,953,033.0	283.65	55	Edge of snow covered field apparently a few feet above natural grade.	2/7/2008	Braun Intertec	
SS3000	495,299.8	4,953,000.9	283.64	56	Snow covered field, surface likely disturbed.	2/7/2008	Braun Intertec	Hole terminated at 56 feet. Driller thought that "clay" was encountered at 54 feet - got tight. No evidence of "clay" on lead auger or bit.
UU2900	495,500.1	4,952,906.5	284.22	65	Snow covered field, surface likely disturbed.	2/7/2008	Braun Intertec	
UU3100	495,510.8	4,953,090.7	283.33	65	Snow covered clearing in woods at natural grade.	2/7/2008	Braun Intertec	
QQ3500	495,099.4	4,953,501.0	284.56	41	Snow covered field at natural grade.	2/8/2008	Braun Intertec	No samples taken. Estimated less than 10 percent gravel from 4 to 30 feet.
QQ3700	495,099.8	4,953,700.3	285.2	35	Snow covered plowed field at natural grade.	2/8/2008	Braun Intertec	No samples taken. Estimated less than 5 percent gravel from 3 to 25 feet.
SS3200	495,300.4	4,953,200.5	281.62	55	Snow covered grassy area at natural grade.	2/8/2008	Braun Intertec	
UU3300	495,499.0	4,953,304.9	282.36	40	Snow covered grassy area at natural grade.	2/8/2008	Braun Intertec	
QQ3300	495,101.5	4,953,299.9	283.77	45	Snow covered field, surface disturbed.	2/11/2008	Braun Intertec	
SS3400	495,300.9	4,953,401.1	284.63	43	Snow covered field at natural grade.	2/11/2008	Braun Intertec	
SS3600	495,300.8	4,953,599.8	284.35	25	Snow covered plowed field at natural grade.	2/11/2008	Braun Intertec	No samples taken. Estimated less than 10 percent gravel from 4 to 20 feet.
UU3500	495,500.5	4,953,499.3	283.11	25	Snow covered plowed field at natural grade.	2/11/2008	Braun Intertec	
WW3000	495,700.4	4,953,000.5	279.9	65	Snow covered corn stubble field at natural grade.	2/11/2008	Braun Intertec	
AAA3000	496,100.5	4,952,999.6	282.54	65	Snow covered plowed field at natural grade.	2/12/2008	Braun Intertec	
AAA3200	496,100.2	4,953,201.6	282.47	65	Snow covered field at natural grade.	2/12/2008	Braun Intertec	Topsoil is missing - surface may be disturbed.
CCC3100	496,301.6	4,953,101.3	281.843	65	Snow covered field at natural grade.	2/12/2008	Braun Intertec	
WW3200	495,700.6	4,953,199.3	279.86	45	Snow covered field at natural grade.	2/12/2008	Braun Intertec	
WW3400	495,691.7	4,953,381.1	279.62	30	Snow covered field immediately south of old Patrol Road, surface likely disturbed.	2/12/2008	Braun Intertec	Surface must be disturbed - no overburden. No samples taken. Estimated 20 percent gravel from 5 to 15 feet - too thin.
YY2900	495,901.4	4,952,917.7	282.9	65	Snow covered plowed field at natural grade.	2/12/2008	Braun Intertec	
YY3100	495,896.1	4,953,081.7	278.36	65	Edge of snow covered field at natural grade.	2/12/2008	Braun Intertec	
YY3300	495,900.1	4,953,299.5	275.75	45	Snow covered field immediately south of old Patrol Road, surface may be disturbed.	2/12/2008	Braun Intertec	
YY3300A				10	Snow covered field immediately south of old Patrol Road, surface may be disturbed.	2/12/2008	Braun Intertec	First attempt at this location. Located approximately 3 feet northwest of YY3300.
CCC2100	496,342.7	4,952,100.1	279.849	65	Snow covered field at natural grade.	2/13/2008	Braun Intertec	
CCC2300	496,344.5	4,952,300.5	281.814	65	Snow covered field at natural grade.	2/13/2008	Braun Intertec	

**TABLE 1**  
**Phase I Auger Borings**  
**UMore Park Geological Assessment**  
**ProSource Project No. 1819-00**

PointID	East	North	Elevation	Hole Depth	Site Conditions	Date Drilled	Drilling Contractor	Comments
CCC2500	496,345.7	4,952,498.8	282.709	65	Snow covered field at natural grade.	2/13/2008	Braun Intertec	
CCC2700	496,299.9	4,952,700.0	282.805	65	Snow covered field at natural grade.	2/13/2008	Braun Intertec	
CCC2900	496,299.3	4,952,899.5	281.07	65	Snow covered field at natural grade.	2/13/2008	Braun Intertec	
CCC1700	496,345.2	4,951,699.5	281.574	65	Snow covered field at natural grade.	2/20/2008	Braun Intertec	
CCC1900	496,343.5	4,951,900.2	280.432	58	Snow covered field at natural grade.	2/20/2008	Braun Intertec	
AAA1600	496,099.0	4,951,599.3	280.209	65	Snow covered corn stubble field at natural grade.	3/17/2008	Braun Intertec	
AAA1800	496,100.5	4,951,800.8	281.024	65	Snow covered corn stubble field at natural grade.	3/17/2008	Braun Intertec	
AAA2000	496,101.2	4,952,022.9	281.171	65	Snow covered corn stubble field at natural grade.	3/17/2008	Braun Intertec	
AAA2200	496,100.1	4,952,199.3	281.052	55	Snow covered corn stubble field at natural grade.	3/17/2008	Braun Intertec	
WW1600	495,700.7	4,951,598.5	282.14	65	Snow covered corn stubble field at natural grade.	3/18/2008	Braun Intertec	
WW1800	495,699.8	4,951,799.5	283.119	65	Snow covered corn stubble field at natural grade.	3/18/2008	Braun Intertec	
WW2000	495,700.0	4,952,000.7	282.749	65	Edge of snow covered field at natural grade.	3/18/2008	Braun Intertec	Broke augers 8' underground at 43 feet. Successfully retrieved all augers. Field photographs incorrectly labeled WW1800.
YY1900	495,930.9	4,951,900.4	283.013	65	Snow covered corn stubble field at natural grade.	3/18/2008	Braun Intertec	
YY2100	495,904.7	4,952,099.9	283.284	65	Snow covered corn stubble field at natural grade.	3/18/2008	Braun Intertec	
AAA2400	496,099.7	4,952,402.3	280.21	65	Snow covered corn stubble field at natural grade.	3/19/2008	Braun Intertec	
AAA2600	496,101.7	4,952,605.2	282.786	65	Snow covered corn stubble field at natural grade.	3/19/2008	Braun Intertec	
AAA2800	496,109.8	4,952,801.2	283.177	65	Edge of old Gopher Ordnance Works road slightly above natural grade.	3/19/2008	Braun Intertec	
UU2700	495,501.3	4,952,705.2	284.051	65	Snow covered corn stubble field at natural grade.	3/19/2008	Braun Intertec	
WW2200	495,701.2	4,952,201.2	283.369	61	Edge of field at natural grade.	3/19/2008	Braun Intertec	
WW2600	495,699.1	4,952,599.1	283.336	65	Idle field at natural grade.	3/19/2008	Braun Intertec	
QQ2300	495,100.0	4,952,291.3	283.752	65	Grassy area at natural grade.	3/20/2008	Braun Intertec	
SS2400	495,308.0	4,952,397.9	283.699	65	Edge of old Gopher Ordnance Works road a few feet above natural grade.	3/20/2008	Braun Intertec	
SS2600	495,309.0	4,952,596.4	284.262	65	Edge of old Gopher Ordnance Works road a few feet above natural grade.	3/20/2008	Braun Intertec	
UU2300	495,523.4	4,952,295.9	282.497	65	On old Gopher Ordnance Works road, surface likely disturbed.	3/20/2008	Braun Intertec	
UU2500	495,475.7	4,952,482.2	283.392	65	Old field at natural grade.	3/20/2008	Braun Intertec	
OO2200	494,900.5	4,952,199.2	283.28	65	Snow covered grassy area, surface likely disturbed.	3/21/2008	Braun Intertec	
QQ2500	495,128.7	4,952,499.7	284.334	65	Edge of snow covered Gopher Ordnance Works road.	3/21/2008	Braun Intertec	
QQ2700	495,132.8	4,952,697.7	284.617	65	Edge of snow covered Gopher Ordnance Works road, surface likely disturbed.	3/21/2008	Braun Intertec	
OO2000	494,899.6	4,951,997.6	283.323	65	Yard area of wood grinding business, surface likely disturbed.	3/24/2008	Braun Intertec	
QQ1900	495,098.7	4,951,904.1	282.726	65	Snow covered open area, surface likely disturbed.	3/24/2008	Braun Intertec	
SS1800	495,303.0	4,951,867.8	283.177	65	Edge of snow covered 158th Street, surface likely disturbed.	3/24/2008	Braun Intertec	Sample from 2.5 to 5 feet mixed with frozen fragments of fill.
UU1900	495,501.8	4,951,864.7	283.2	65	Edge of snow covered 158th Street, surface likely disturbed.	3/24/2008	Braun Intertec	
UU2100	495,536.4	4,952,096.1	283.095	65	Snow covered field, surface likely disturbed.	3/24/2008	Braun Intertec	
MM2500	494,672.1	4,952,554.1	284.274	65	Snow covered equipment yard, surface likely disturbed.	3/25/2008	Braun Intertec	
MM2700	494,719.2	4,952,687.2	284.681	65	Grassy area adjacent to building, surface likely disturbed.	3/25/2008	Braun Intertec	

**TABLE 1**  
**Phase I Auger Borings**  
**UMore Park Geological Assessment**  
**ProSource Project No. 1819-00**

PointID	East	North	Elevation	Hole Depth	Site Conditions	Date Drilled	Drilling Contractor	Comments
OO2800	494,917.7	4,952,779.9	284.817	65	Snow covered grassy area, surface likely disturbed.	3/25/2008	Braun Intertec	
SS2200	495,300.3	4,952,220.7	283.195	65	Edge of paved surface of 156th Street a few feet above natural grade.	3/25/2008	Braun Intertec	
SS2800	495,284.8	4,952,813.0	284.287	65	Snow covered grassy area, surface likely disturbed.	3/25/2008	Braun Intertec	
OO1600	494,900.1	4,951,606.3	283.619	60	Snow covered field, surface likely disturbed.	3/26/2008	Braun Intertec	
OO1800	494,877.8	4,951,784.3	283.875	65	Yard area of wood grinding business, surface likely disturbed.	3/26/2008	Braun Intertec	
QQ1700	495,167.8	4,951,681.5	282.817	65	Snow covered clearing in woods, surface likely disturbed.	3/26/2008	Braun Intertec	
QQ2100	495,100.0	4,952,101.1	282.988	65	Snow covered clearing in woods, surface likely disturbed.	3/26/2008	Braun Intertec	
SS1600	495,295.2	4,951,567.2	282.343	65	Outer edge of Co. Rd. 46 ROW, surface likely disturbed.	3/26/2008	Braun Intertec	Overall, sample quality was poor in this hole due to crooked hole. Augers severely scraped side of borehole while tripping out.
SS2000	495,302.9	4,952,000.3	283.023	65	Grassy area within fence at Minneapolis Police training yard, surface likely disturbed.	3/27/2008	Braun Intertec	
UU1700	495,500.4	4,951,688.4	283.297	65	Clearing in brushy area, surface likely disturbed.	3/27/2008	Braun Intertec	
<b>Total Phase I Auger Footage =</b>				<b>24,836.50</b>				