

Item	Metadata
Horizontal Datum:	NAD83 CSRS Epoch 2002
Vertical Datum:	CGVD28 (HT v2.0 Geoid)
Coordinate Projection:	UTM Zone 9 North, metres
Date:	April 29 2016
Prevailing weather conditions including temperature:	Not recorded
Purpose of data collection for that day:	Measure Monitoring Wells and Drill Holes
Name of company submitting the data:	Challenger Geomatics Ltd.
Name, license number, and stamp, of the licensed surveyor:	Paul Burbidge, Commission number 1787
Name of field crew chief:	Geoff Anderson, Party Chief
Names of other crew members and responsibilities:	John Usselman, assistant
Type of data collection (GPS RTK, handheld GPS, other):	Leica Viva RTK GNSS
ID of pre-existing control monument used as RTK base station or initial check for handheld:	2819
Other control monuments checked and amount of measured discrepancy:	2800 (0.005 H, 0.015 V)
ID of new control monuments established:	NA
Issues encountered and how they were resolved:	None
Notes from field crew chief:	re shoot all KRAK expt 006 and 018

Point_ID	Northing	Easting	Elevation	Code	Notes	Top PVC to ground	Ground Elevation
K15-330	6818695.36	414925.81	1347.13	Drill hole-instrument site	measured ground beside install		
K15-334	6818832.55	414780.24	1319.63	Drill hole-no sign of hole other than pad	measured center of pad		
K15-335	6817327.03	414667.65	1420.07	fd wire and 3 tags, monitoring station, measured at ground	tags marked K15-335, KP15H, K15-05		
K15-336	6819014.33	414792.85	1317.81	Drill hole-instrumnet station	measured ground beside install		
KRAK001	6815013.60	414915.54	1386.08	staked out geology location			
KRAK002	6815023.75	414874.05	1389.89	staked out geology location			
KRAK003	6815005.72	414967.55	1385.68	staked out geology location			
KRAK004	6815007.93	414914.04	1386.40	staked out geology location			
KRAK005	6815065.56	414923.09	1383.79	staked out geology location			
KRAK007	6815186.38	415075.68	1386.64	staked out geology location			
KRAK008	6815074.64	415150.00	1406.63	staked out geology location			
KRAK009	6815182.76	415074.53	1386.58	staked out geology location			
KRAK010	6815074.32	415149.45	1406.59	staked out geology location			

Point_ID	Northing	Easting	Elevation	Code	Notes	Top PVC to ground	Ground Elevation
KRAK011	6815301.61	415055.33	1385.73		staked out geology location		
KRAK013	6815172.04	415111.28	1396.17		staked out geology location		
KRAK014	6814998.60	414882.30	1390.13		staked out geology location		
KRAK015	6815044.79	414938.31	1384.29		staked out geology location		
KRAK016	6814931.21	414900.75	1393.58		staked out geology location		
KRAK017	6815003.67	414972.39	1385.99		staked out geology location		
KRAK019	6815282.66	415190.59	1418.15		staked out geology location		
KRAK020	6815284.69	415191.43	1417.68		staked out geology location		
100100	6816593.77	414961.32	1405.73		NEW CAT TRAIL		
100101	6816589.55	414952.06	1406.95		NEW CAT TRAIL		
100102	6816585.91	414942.24	1407.69		NEW CAT TRAIL		
100103	6816583.84	414932.19	1408.70		NEW CAT TRAIL		
100104	6816582.06	414921.69	1410.08		NEW CAT TRAIL		
100105	6816580.38	414911.42	1411.60		NEW CAT TRAIL		
100106	6816578.97	414900.95	1412.89		NEW CAT TRAIL		
100107	6816575.55	414890.77	1414.51		NEW CAT TRAIL		
100108	6816571.12	414881.63	1415.63		NEW CAT TRAIL		
100109	6816565.46	414872.62	1416.61		NEW CAT TRAIL		
100110	6816558.96	414863.85	1417.67		NEW CAT TRAIL		
100111	6816553.01	414854.85	1418.92		NEW CAT TRAIL		
100112	6816546.83	414846.13	1419.94		NEW CAT TRAIL		
100113	6816541.04	414837.43	1420.96		NEW CAT TRAIL		
100114	6816534.21	414829.37	1422.60		NEW CAT TRAIL		
100115	6816526.64	414822.11	1424.14		NEW CAT TRAIL		
100116	6816519.25	414814.49	1425.57		NEW CAT TRAIL		
100117	6816511.07	414808.15	1426.78		NEW CAT TRAIL		
100118	6816503.07	414801.20	1428.14		NEW CAT TRAIL		
100119	6816495.41	414794.32	1429.76		NEW CAT TRAIL		
100120	6816488.43	414786.67	1431.43		NEW CAT TRAIL		
100121	6816481.86	414778.55	1433.42		NEW CAT TRAIL		
100122	6816474.08	414771.64	1435.48		NEW CAT TRAIL		
100123	6816466.55	414764.07	1437.66		NEW CAT TRAIL		
100124	6816458.51	414757.12	1439.25		NEW CAT TRAIL		

Point_ID	Northing	Easting	Elevation	Code	Notes	Top PVC to ground	Ground Elevation
100125	6816451.36	414749.17	1441.42	NEW CAT TRAIL			
100126	6816443.42	414742.51	1443.11	NEW CAT TRAIL			
100127	6816436.34	414734.90	1443.98	NEW CAT TRAIL			
100128	6818901.98	414037.97	1430.43	NEW CAT TRAIL			
100129	6818896.77	414062.91	1428.77	NEW CAT TRAIL			
100130	6818899.42	414088.46	1426.51	NEW CAT TRAIL			
100131	6818893.63	414113.65	1424.86	NEW CAT TRAIL			
100132	6818884.27	414137.77	1422.28	NEW CAT TRAIL			
100133	6818881.61	414163.48	1420.33	NEW CAT TRAIL			
100134	6818891.50	414186.44	1417.84	NEW CAT TRAIL			
100135	6818897.67	414192.61	1416.72	NEW CAT TRAIL			
BH95G-2	6819835.33	414341.42	1349.77	Monitoring Well		1.18	1348.59
BH95G-33A	6816744.41	415129.54	1390.48	Nested Monitoring Well		1.17	1389.31
BH95G-33B	6816744.43	415129.54	1390.48	Nested Monitoring Well		1.17	1389.31
MW15-07A	6817783.88	414921.75	1360.90	Nested Monitoring Well with packer installed	Measured top of packed flange, 0.04 down to PVC	0.88	1359.98
MW15-07B	6817783.89	414921.71	1360.86	Nested Monitoring Well			1359.98
MW15-08D	6818517.57	414904.01	1333.42	Nested Monitoring Well			1332.49
MW15-08S	6818517.54	414904.00	1333.51	Nested Monitoring Well with packer installed	Measured top of packed flange, 0.09 down to PVC	0.93	1332.49
MW15-09D	6819176.59	414709.36	1319.75	Nested Monitoring Well with packer installed	Measured top of packed flange, 0.09 down to PVC	0.50	1319.16
MW15-09S	6819176.62	414709.42	1319.66	Nested Monitoring Well			
MW15-10D	6819202.34	414793.64	1318.89	Nested Monitoring Well			
MW15-10S	6819202.37	414793.61	1318.92	Nested Monitoring Well			