

GEOLOGIC SURVEY OF CANADA - TRANSFORMATION OF PLANE COORDS

--MODIFIED FOR WEIGHTING--A.E.PETERSON CONSULTING LTD  
EDMONTON, ALTA

\*\*WEIGHTS=0 OR 1 IN COLUMN THREE OF COMMON POINT CARDS

017774

1111 KEFF.ADDISON TO UTM CONVERSION FOR CYPRUS ANVIL

TRANSFORMATION BASIS

VG-5	1300.25	6905052.8100	592712.8000
VG-6	1319.14	6905304.6800	591986.5300
HIW-6 K-A	1308.02	6905084.0100	592079.7000
HIW-4 K-A	1302.27	6905018.1200	592427.2600
HIW-5 K-A	1276.45	6904386.4500	592190.2100

COMMON POINTS

1.	VG-5	0.0	10834.940	8021.280
1.	VG-6	0.0	11106.740	7301.810
1.	HIW-6	0.0	10883.560	7388.930
1.	HIW-4	0.0	10808.100	7734.740
1.	HIW-5	0.0	10182.870	7480.270

NORMAL EQNS.

0.86774763E+09	0.0	0.53816210E+05	0.37927030E+05
0.0	0.86774763E+09	0.37927030E+05	-0.53816210E+05
0.53816210E+05	0.37927030E+05	0.50000000E+01	0.0
0.37927030E+05	-0.53816210E+05	0.0	0.50000000E+01
0.39406349E+12	0.23001077E+12	0.34524846E+08	0.29613965E+07

SCALE FACTOR= -492.4632 P.P.M. ROTATION= 1 34 25.4  
X-SHIFT= 6894007.1130 Y-SHIFT= 584995.9371

RESIDUALS

1.	VG-5	0.0	10834.940	8021.280	0.004	0.027
1.	VG-6	0.0	11106.740	7301.810	-0.051	-0.008
1.	HIW-6	0.0	10883.560	7388.930	0.024	-0.008
1.	HIW-4	0.0	10808.100	7734.740	0.012	0.013
1.	HIW-5	0.0	10182.870	7480.270	0.011	-0.024

S.D.= 0.02907

ORIGINAL COORDS

TRANSFORMED COORDS

ELEVATION

			N	U.T.M. E	Elev.
A-11	10696.9400	7521.1900	6904901.2069	592216.9598	1281.4400
A-83	10608.5200	7526.4900	6904813.0093	592224.6823	1278.5200
A-12	10997.6400	7391.0200	6905198.0724	592078.6489	1312.7100
A-87	10996.2600	7473.7400	6905198.9642	592151.3348	1305.0000
A-88	10827.5800	7649.8200	6905035.2642	592341.8919	1303.3600
A-89	11046.4700	7515.2700	6905250.2705	592201.4505	1304.7500
A-93	11085.2900	7558.8000	6905290.2517	592243.8770	1302.7700
A-90	10874.3600	7692.1800	6905083.1663	592382.9310	1302.1200
A-92	10916.4500	7734.4600	6905126.3803	592424.0189	1300.9300
A-32	10822.8300	7389.9000	6905023.3836	592082.3283	1304.4200
A-24	10865.3100	7432.5800	6905066.9982	592123.8051	1303.8600
A-91	11720.8000	6899.6200	6905907.1148	591567.8256	1289.5400
A-86	11680.8100	7027.9000	6905870.6808	591697.0918	1290.7500
A-85	10953.2100	7431.5100	6905154.7924	592120.3232	1307.6000
A-84	10782.4900	7435.0800	6904984.3189	592128.5764	1297.2800
A-82	10961.2500	7606.8100	6905167.6374	592295.2501	1301.6900
A-53	10814.2000	7550.7700	6905019.1769	592243.2953	1297.9100
A-5	10786.5200	7520.9700	6904990.7030	592214.2811	1293.2400
A-9	10896.0100	7632.1800	6905103.1505	592322.3889	1302.3100
A-56	10786.9700	7691.9200	6904995.8451	592385.0701	1299.7800
A-21	10743.2600	7651.6400	6904951.0675	592346.0249	1291.0700
A-60	10655.4000	7568.5900	6904862.0033	592265.4314	1278.8000
A-19	10699.7800	7609.6800	6904906.4735	592305.2949	1284.9100
A-10	10826.5300	7482.8100	6905029.6307	592175.0560	1298.8600
A-35	10777.9200	7348.9200	6904977.3878	592042.6167	1303.0900
A-38	10734.0000	7307.5200	6904932.3695	592002.4583	1301.8700
A-22	10949.5800	7345.9100	6905148.8159	592034.8973	1311.5400
A-20	11033.9000	7432.5100	6905240.4354	592118.9702	1311.1100
A-27	10911.8500	7477.2500	6905114.7239	592167.1588	1303.6600
A-94	11764.4800	7111.6200	6905956.5752	591778.4422	1299.0200
A-4	10719.3200	7475.0300	6904922.3004	592170.2256	1286.7700
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A-63	10314.4400	7744.2000	6904525.1611	592450.2754	1260.6600
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A-98	12141.4500	6642.0500	6906320.3288	591298.9328	1305.8900
A-97	12183.5800	6688.7100	6906363.7030	591344.3958	1305.1600
A-39	10188.2400	7790.7300	6904400.3480	592500.2291	1251.6300
A-33	10275.7200	7874.2400	6904490.0443	592581.2652	1262.4900
A-54	10148.2300	7920.3000	6904363.9295	592630.7847	1249.0700
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P-5	12245.3500	6720.0700	6906426.2801	591374.0329	1306.9500
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 5L66  
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 108W., 10N  
 B./L. 92 W.  
 88W, 10N  
 B./L. 4W.  
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10546.7700	7631.1600	6904754.1861	592330.9563	1275.3600
10764.1600	7840.8800	6904977.1439	592534.5267	1295.7000
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10680.1100	7758.8100	6904890.9142	592454.8352	1286.6100
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11045.7800	7597.1100	6905251.8276	592283.2382	1301.5500
11090.0200	7733.9200	6905299.7845	592418.7149	1299.9500
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11412.3900	6778.5100	6905595.6485	591455.2866	-10.6100
11635.7100	6987.5400	6905824.5122	591658.0048	-10.6100
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