Gale's Table: Major Traverse

Station	Leg/ Line	Distance	Observed Angles	Correction	Corrected angles	Computed WCB	Consecutive Coordinate		Correction		Corrected Consecutive Coordinate		Independent coordinate		Adjusted length	Adjusted Bearing
							Latitude	Departure	Latitude	Departure	Latitude	Departure	Northing	Easting		
	CP1												3063184.895	626844.921		
CP1	CP2	126.731	114°54'55''	03''	114°54'58''	164°02'46''	-121.850	34.834	0.000	0.000	-121.850	34.834	3063063.045	626879.755	126.731	164°02'46''
CP2	M1	91.688	191°31'37''	02''	191°31'39''	175°34'25''	-91.414	7.076	0.006	-0.005	-91.408	7.071	3062971.637	626886.826	91.681	175°34'36''
M1	M2	92.485	148°49'00''	03''	148°49'03''	144°23'28''	-75.191	53.849	0.006	-0.005	-75.185	53.844	3062896.453	626940.670	92.476	144°23'29''
M2	M3	105.974	110°33'36''	03''	110°33'39''	74°57'08''	27.513	102.340	0.007	-0.006	27.521	102.334	3062923.974	627043.004	105.970	74°56'51''
M3	M4	113.545	201°27'06''	02''	201°27'08''	96°24'15''	-12.665	112.836	0.008	-0.006	-12.657	112.830	3062911.316	627155.834	113.538	96°24'02''
M4	M5	121.381	158°07'13''	02''	158°07'15''	74°31'30''	32.387	116.981	0.008	-0.007	32.395	116.974	3062943.712	627272.808	121.377	74°31'13''
M5	M6	78.104	137°36'30''	03''	137°36'33''	32°08'03''	66.139	41.543	0.005	-0.004	66.144	41.539	3063009.856	627314.347	78.106	32°07'45''
M6	M7	61.790	148°52'36''	02''	148°52'38''	01°00'41''	61.780	1.091	0.004	-0.003	61.784	1.087	3063071.640	627315.434	61.794	01°00'29''
M7	M8	102.342	161°35'26''	02''	161°35'28''	342°36'09''	97.660	-30.600	0.007	-0.006	97.667	-30.606	3063169.307	627284.828	102.350	342°36'02''
M8	M9	88.997	258°33'09''	02''	258°33'11''	61°09'19''	42.935	77.955	0.006	-0.005	42.941	77.950	3063212.248	627362.778	88.995	61°09'02''
M9	M10	64.722	143°49'32''	03''	143°49'35''	24°58'54''	58.667	27.334	0.005	-0.004	58.671	27.330	3063270.919	627390.108	64.725	24°58'37''
M10	M11	69.386	127°18'33''	03''	127°18'36''	332°17'30''	61.429	-32.262	0.005	-0.004	61.434	-32.266	3063332.353	627357.842	69.392	332°17'27''
M11	M12	96.557	140°37'54''	03''	140°37'57''	292°55'27''	37.610	-88.931	0.007	-0.005	37.617	-88.936	3063369.970	627268.906	96.564	292°55'36''
M12	M13	71.872	174°15'10''	02''	174°15'12''	287°10'39''	21.226	-68.666	0.005	-0.004	21.231	-68.670	3063391.201	627200.236	71.877	287°10'49''
M13	M14	78.021	98°31'20''	03''	98°31'23''	205°42'02''	-70.302	-33.835	0.005	-0.004	-70.297	-33.839	3063320.904	627166.397	78.017	205°42'17''
M14	M15	88.796	260°37'03''	02''	260°37'05''	286°19'07''	24.950	-85.218	0.006	-0.005	24.956	-85.223	3063345.860	627081.174	88.802	286°19'18''
M15	M16	112.033	162°07'11''	02''	162°07'13''	268°26'20''	-3.052	-111.991	0.008	-0.006	-3.044	-111.997	3063342.816	626969.176	112.038	268°26'35''
M16	M17	115.652	121°26'21''	03''	121°26'24''	209°52'44''	-100.280	-57.614	0.008	-0.006	-100.272	-57.620	3063242.544	626911.556	115.648	209°53'00''
M17	CP1	88.112	199°15'03''	02''	199°15'05''	229°07'48''	-57.656	-66.630	0.006	-0.005	-57.649	-66.635	3063184.895	626844.921	88.112	229°08'07''
Σ		1641.452	3059°59'13''	47''	3060°00'00''		-0.114	0.091	0.114	-0.091	0.000	0.000			1641.462	

$$e = \sqrt{\Delta L^2 + \Delta D^2} = \quad 0.1460$$

Relative Precision = e/P = 8.9E-05