

PAGE No. *HEK GRID* PETER E. WALCOTT & ASSOC. LTD. ELEVATION DATA  
 JOB No. DATE *OCT 20 1976* SURVEY *J. MacMillan* RODMAN *J. Kirby* INSTRUMENT *100599*

Remarks	Station	T.P.	1/2 Stad	Stad	HA IR	Rod		Angle	AZ- MU- TH	Distance	R. F.	Product	Elev Diff.	H.I.	Elevation	Notes
						B.S.	F.S.									
	17-5														3500.00	-ELEV. GUESSED AT.
<i>L-72-W</i>	17-5	$\pi$				19.13		90°					+19.13	3519.13		
<i>Ad 17490</i>	18-5			284			11.57	88°40'				-2.33	-6.61	-18.18	3500.95	
	19-5						14.83	90°						-14.83	3504.30	
	20-5						9.46	90°						-9.46	3509.67	
	21-5						4.04	90°						-4.04	3515.09	
	22-5			116.5			2.56	95°				+8.68	+10.12	+7.56	3526.69	
	23-5	o		217			3.76	96°20'				10.96	+23.79	+20.03	3539.16	
		$\pi$				2.03		90°						+2.03	3541.19	
	24-5						6.58	90°						-6.58	3534.61	
	25-5						5.21	90°						-5.21	3535.98	
	26-5						4.70	90°						-4.70	3536.49	
	27-5			211			2.75	92°				+3.49	+7.36	+4.61	3545.80	
	28-5	o		311.5			2.84	94°40'				+8.11	+25.26	+22.42	3563.61	
		$\pi$		143		11.99		82°30'				+13.22	+18.91	+30.90	3594.51	
	29-5						7.30	90°						-7.30	3587.21	
	30-5						2.58	90°						-2.58	3591.93	
	31-5			160			3.14	92°10'				+3.78	+6.04	+2.90	3597.41	
	32-5	o		258.5			8.57	93°30'				+6.09	+15.75	+7.18	3601.69	
		$\pi$		268		7.62		82°				+13.78	+36.94	+44.56	3646.25	
<i>Henry's point</i> →	33-5			166			10.70	81°40'				-14.34	-23.80	-34.50	3611.75	
	34-5			70			11.28	82°10'				-12.50	-9.45	-20.73	3625.52	
	35-5			34.5			1.70	99°40'				+16.55	+5.71	+4.01	3650.26	
	36-5			142.5			2.68	109°40'				+31.69	+45.16	+42.48	3688.73	
	37-5	o		<del>253.5</del>			2.90	110°20'				+32.58	+82.75	+79.85	3726.10	

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PETER E. WALCOTT & ASSOC. LTD.  
ELEVATION DATA

JOB No. DATE OCT 20/76 SURVEY RODMAN INSTRUMENT

Remarks	Station	T.P.	1/2 Stad	Stad	HA IR	Rod		Angle	AZ- MU- TH	Distance	R. F.	Product	Elev Diff.	H.I.	Elevation	Notes	
						B.S.	F.S.										
L. 72-W	37-S	1													3726.10		
		π		188.5			7.05	78°40'					+19.27	+36.32	+43.37	3769.47	
	38-S			84.5			13.91	82°30'					-12.94	-10.94	-24.85	3744.62	
	39-S			—			0.98	90°					—	—	-0.98	3768.49	
	40-S			118.5			2.19	106°					+26.50	+31.40	+29.21	3798.68	
	41-S	○		216			7.70	106°30'					+27.23	+58.82	+51.12	3820.59	
		π		253			3.53	74°40'					+25.50	+64.52	+68.05	3888.64	
	42-S			151			6.89	72°40'					-28.44	-42.94	-49.83	3838.81	
	43-S			46			12.18	71°20'					-30.32	-13.75	-26.13	3862.51	
	44-S			60.5			2.38	106°30'					+27.23	+16.48	+14.10	3902.74	
	45-S	○		167 168			6.20	106°40'					+27.48	+45.88	+39.68	3928.32	
		π		167			6.945	78°10'					+20.07	+33.52	+40.47	3968.79	
	46-S			60			8.33	78°20'					-19.80	-11.88	-20.21	3948.58	
	47-S			37.5			1.16	98°20'					+14.34	+5.38	+4.22	3973.01	
INT +705	INT.			50			1.30	100°40'					+18.19	+9.09	+7.79	3976.58	
	48-S			142			2.68	102°30'					+21.13	+30.01	+27.33	3996.12	
	49-S	○		246			2.28 2.04	103°30'					+22.70	+55.84	+48.56	4017.35	
		π		165			6.60	80°20'					+16.55	+27.31	+33.91	4051.26	
	50-S			62			6.88	83°30'					-11.25	-6.97	-13.85	4037.41	
	51-S			40.5			2.19	93°10'					+5.52	+2.23	+0.04	4051.30	
	52-S	○		142.5			6.60	98°40'					+14.90	+21.23	+14.63	4065.89	
		π		190			7.75	84°30'					+9.54	+18.13	+25.88	4091.77	
82.5	53-S			82.5			7.30	83°10'					-11.81	-9.75	-17.05	4074.72	
	54-S			—			3.90	90°					—	—	-3.90	4087.87	
	55-S			112.5			3.58	97°40'					+13.22	+14.87	+11.29	4103.06	

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PETER E. WALCOTT & ASSOC. LTD.  
ELEVATION DATA

JOB No. DATE Oct. 20/76 SURVEY RODMAN INSTRUMENT

Remarks	Station	T.P.	1/2 Stad	Stad	HA IR	Rod		Angle	AZ- MU- TH	Distance	R. F.	Product	Elev Diff.	H.I.	Elevation	Notes
						B.S.	F.S.									
L. 72-W														4091.77		
	56-S	0		212.5			9.13	98°50'				+15.17	+33.00	+23.87		4115.64
		π		188		10.39		85°40'				+7.53	+14.16	+24.55	4140.19	
	57-S			—			12.63	90°				—	—	-12.63		4127.56
	58-S			—			4.95	90°				—	—	-4.95		4135.24
	59-S			110.5			3.63	94°				+6.96	+7.69	+4.06		4144.25
	60-S	0		216			7.14	94°30'				+7.82	+16.89	+9.75		4149.94
		π		205		7.24		94°50'				+8.40	-17.22	-9.98	4139.96	
	56-S	0		198			9.88	85°50'				-7.25	-14.26	-24.23		4115.73
		π		198		6.90		98°30'				-14.62	-28.94	-22.04	4093.69	
	52-S	0		208			7.13	84°20'				+9.83	-20.44	-27.57		4066.12
		π		142.5		6.40		98°30'				-14.62	-20.83	-14.43	4051.69	
	49-S	0		163			10.65	81°40'				-14.34	-23.37	-34.02		4017.67
		π		129		2.78		102°10'				-20.60	-26.58	-22.80	3994.87	
	INT.	0		62.5			12.28	82°40'				-12.66	-7.91	-18.20		3976.67
		π		166		3.82		93°20'				-5.80	-9.64	-5.82	3970.76	
	T.P.	0		269			11.07	82°30'				-12.94	-34.81	-45.88		3924.88
		π		181		8.67		103°40'				-22.76	-41.55	-32.88	3892.00	
INT. 47435	INT	0		144			10.78	85°30'				-7.82	-11.26	-22.04		3869.96
L. 80-W		π		103		2.10		93°40'				-6.88	-6.57	-4.47	3865.49	
	48-S			172			4.07	95°				+8.68	+14.93	+10.86		3876.35
	47-S			68			2.91	92°20'				+4.07	+2.77	-0.14		3865.35
	46-S			—			12.66	90°				—	—	-12.66		3852.83
	45-S			125			10.52	80°20'				-16.55	-20.69	-31.21		3834.28
	44-S	0		228			2.81	99°50'				-17.37	-39.61	-42.42		3823.07

3976.67  
3976.58  
3976.58  
TIC +0.09

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ELEVATION DATA

JOB No.

DATE

Oct. 20/76

SURVEY

RODMAN

INSTRUMENT

Remarks	Station	T.P.	1/2 Stad	Stad	HA IR	Rod		Angle	AZ- MU- TH	Distance	R. F.	Product	Elev Diff.	H.I.	Elevation	Notes		
						B.S.	F.S.											
L. 80-W															3823.07			
	AA-S	T		255			4.90	99°20'					-16.00	-40.81	-35.91	3787.16		
	A3-S			152				3.00 98°50'					+15.17	+23.06	+20.06	3	3807.22	
	A2-S			49.5				2.19 95°40'					+9.83	+4.86	+2.67		3789.83	
	A1-S			—				11.38 90°					—	—	-11.38		3775.78	
	40-S			151				6.63 81°50'					-14.06	-21.23	-27.86		3759.30	
	T.P. 39-S	O		247				4.525 81°30'					-14.62	-36.11	-40.64		3746.52	
	T.P	T		247			2.55	96°40'					-11.53	-28.48	-25.93	3720.59		
	39-S			244				7.08 97°40'					+13.22	+32.26	+25.18		3745.77	*
	38-S			138.5				2.03 95°50'					+10.11	+14.00	+11.97		3732.56	
	37-S			—				152 90°					—	—	-1.52		3719.07	
	36-S			62				10.32 81°30'					-14.62	-9.06	-19.38		3701.21	
	35-S			169				11.07 75°20'					-24.49	-41.40	-52.47		3668.12	
	34-S	O		272				7.61 75°30'					-24.24	-65.93	-73.54		3647.05	
		T		168.5			2.85	97°30'					-12.94	-21.81	-18.98	3628.07		
	33-S			66				1.27 90°50'					+1.45	+0.96	-0.31		3627.76	
	32-S			32				11.96 78°20'					-19.80	-6.34	-18.30		3609.77	*
	31-S	O		136.5				1.70 79°10'					-18.46	-25.20	-26.90		3601.17	*
		T		169			3.78	91°50'					-3.20	-5.40	-1.62	3599.55		
	30-S			—				1.83 90°					—	—	-1.83		3597.72	*
	29-S			—				5.16 90°					—	—	-5.16		3594.39	
	28-S			—				7.51 90°					—	—	-7.51		3592.04	
	27-S			—				7.24 90°					—	—	-7.24		3592.31	
	26-S	O		—				9.58 90°					—	—	-9.58		3589.97	

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ELEVATION DATA

JOB No.

DATE OCT. 20/76

SURVEY

RODMAN

INSTRUMENT

Remarks	Station	T.P.	1/2 Stad	Stad	HA IR	Rod		Angle	AZ- MU- TH	Distance	R. F.	Product	Elev Diff.	H.I.	Elevation	Notes	
						B.S.	F.S.										
L. 80-W	26-5														3589.97		
	26-5	π		188		4.02		91°30'					-2.62	-4.92	-0.90	3589.07	
	25-5			93			2.34	91°20'					+2.33	+2.16	-0.18		3588.89
	24-5			—			6.48	90°					—	—	-6.48		3582.59
	23-5			116			11.47	86°					-6.96	-8.07	-19.54		3569.53
	22-5	0		213			7.64	84°					-10.40	-22.14	-29.78		3559.29
		π		259		3.31		100°					-17.10	-44.29	-40.98	3518.31	
	21-5			156			2.72	85°50'					+10.11	+15.77	+13.05		3531.36
	20-5			—			6.11	90°					—	—	-6.11		3512.20
	19-5			—			11.92	90°					—	—	-11.92		3506.39
	18-5	0		151			11.84	79.10					-18.46	-27.88	-39.72		3478.59
	<del>17-5</del>	π		—		8.25		90°					—	—	+8.25	3486.84	
	17-5			—			5.99	90°					—	—	-5.99		3480.85
	16-5			109			11.64	84°30'					-9.54	-10.40	-22.04		3464.80
	T.P.	0		—			1.33	90°					—	—	-1.33		3485.51
		π		—			10.96	90°					—	—	+10.96	3496.47	
	T.P.	0		—			0.89	90°					—	—	-0.89		3495.58
		π		—			8.92	90°					—	—	+8.92	3504.50	
	18-5			—			4.71	90°					—	—	-4.71		3499.79
	17-5			57			8.36	92°40'					+4.65	+2.65	-5.71		3498.79

3500.00 TIE = 0.21

11.64 feet

HEK GRID.

PAGE No.

PETER E. WALCOTT & ASSOC. LTD.  
ELEVATION DATA

JOB No.

DATE OCT. 23 / 76 SURVEY *J.M.*

RODMAN

INSTRUMENT

Remarks	Station	T.P.	1/2 Stad	Stad	HA IR	Rod		Angle	AZ- MU- TH	Distance	R. F.	Product	Elev Diff.	H.I.	Elevation	Notes
						B.S.	F.S.									
<u>T.L. 48-3</u>															3976.58	
INT-47+15.3	INT	π		221		3.18		83°20'			+11.53	+25.48	+28.66	4005.24		
L. 72-W	T.P	○		177			3.82	93°50'			+6.67	+11.81	+7.99		4013.23	
		π		209		4.65		88°20'			+2.91	+6.08	+10.73	4023.96		
	T.P	○		156.5			6.96	92°30'			+4.36	+6.82	+0.14		4023.82	
BASE of picket		π		92		1.84		92°			-3.49	-3.21	-1.37	4022.45		
L. 64-W	47-S			67			7.38	80°20'			-16.55	-11.09	-18.47		4003.98	4005.28 -1.30
	48-S			28			2.16	101°10'			+19.00	+5.32	+3.16		4025.61	4026.59 -.98
	T.P	○		246			4.99	88°30'			-2.62	-6.14	-11.43		4011.02	
		π		192		6.20		73°			-5.23	-10.03	-3.83	4007.19		
	T.P	○		234			6.81	86°10'			-6.67	-15.61	-22.42		3984.77	
L. 56-W →		π		155		3.60		92°40'			-4.65	-7.20	-3.60	3981.17		
	T.P	○		127			3.24	78°30'			-19.54	-24.81	-28.05		3953.12	
		π		181		3.91		106°20'			-26.99	-48.85	-44.94	3908.18		
	T.P	○		189			3.72	87°50'			-8.97	-16.95	-20.67		3887.51	
		π		99.5		2.63		94°50'			-8.40	-8.35	-5.72	3881.79		
	T.P	○		198.5			7.67	86°			-6.96	-13.81	-21.48		3860.31	
		π		155		4.16		97°20'			-12.66	-19.62	-15.46	3844.85		
L. 48-W →	T.P	○		404			7.03	80°10'			-16.83	-67.98	-75.01		3769.84	
		π		117.5		2.465		91°40'			-2.91	-3.42	-0.95	2768.89		
	T.P	○		—			7.14	90°			—	—	-7.14		3761.75	
		π		153		6.91		80°50'			+15.73	+24.06	+30.97	3792.72		
L. 40-W	46-S			303			2.49	91°30'			+2.62	+7.94	+5.45		3798.17	
	47-S			205			2.18	84°			-10.40	-21.31	-23.49		3769.23	
creek - 1790	48-S			112			7.58	73°50'			-26.74	-29.95	-37.53		3755.19	

# PETER E. WALCOTT & ASSOC. LTD.

## ELEVATION DATA

JOB No.

DATE *OCT. 23/76*SURVEY *g/m*

RODMAN

INSTRUMENT

Remarks	Station	T.P.	1/2 Stad	Stad	HA IR	Rod		Angle	AZ- MU- TH	Distance	R. F.	Product	Elev Diff.	H.I.	Elevation	Notes
						B.S.	F.S.									
<i>L. 40-W</i>														3792.72		
	49-5			/			9.04	90°					-9.04		3783.68	
	50			102			2.48	110°			+32.74	+32.78	+30.30		3823.02	
	51-5	⊙		218.5			3.08	114°30'			+37.74	+82.45	+79.37		3872.09	
		⊥		259		7.57		64°10'			+39.22	+101.58	+109.15	3981.24		
	52-5			154			7.61	65°10'			-38.11	-58.70	-66.31		3914.93	
	53-5			36			7.66	67°10'			-35.76	-12.88	-20.54		3960.70	
	54-5			73			6.36	108°			+29.39	+21.45	+15.09		3996.33	
	55-5	⊙		175			6.85	105°30'			+25.75	+45.07	+38.22		4019.46	
		⊥		134		7.70		87°30'			+1.36	+5.84	+13.54	4033.00		
	56-5			/			5.06	90°					-5.06		4027.94	
	57-5			63			7.73	83°			-12.10	-7.62	-15.35		4017.65	
	58-5	⊙		179			3.92	80°20'			-16.55	-29.63	-33.55		3999.45	
		⊥		125.5		7.64		105°30'			-25.75	-32.32	-24.68	3974.79		
	59-5			26			1.42	99°10'			+15.73	+4.09	+2.67		3977.44	
	60			78			8.33	73°50'			-26.74	-20.86	-29.19		3945.58	
	61-5			178.5			7.72	73°20'			-27.48	-49.04	-56.76		3918.01	
	62-5	⊙		270.5			3.34	81°20'			-14.90	-40.30	-43.64		3931.13	
		⊥		188.5		6.94		84°30'			+9.54	+17.98	+24.92	3956.05		
	T.P.	⊙		167			6.79	94°50'			+8.40	+14.02	+7.23		3963.28	
		⊥		109		6.51		86°40'			+5.80	+6.33	+12.84	3976.12		
	T.P.	⊙		105.5			7.07	102°40'			+21.39	+22.57	+15.50		3991.62	
		⊥		79		8.67		73°10'			+27.72	+21.90	+30.59	4022.21		
	T.P.	⊙		<del>123</del>			1.57	107°50'			+29.15	+35.71	+34.14		4056.35	
		⊥		69		4.28		73°30'			+27.23	+18.79	+23.07	4079.42		

*L. 48-W 62-5 ⊙**70**9.10 88°55'**-2.04 -1.42 -8.52**4070.90**-624*

# PETER E. WALCOTT & ASSOC. LTD.

## ELEVATION DATA

JOB No.

DATE *Oct. 23/76*SURVEY *9176*

RODMAN

INSTRUMENT

Remarks	Station	T.P.	1/2 Stad	Stad	HA IR	Rod		Angle	AZ- MU- TH	Distance	R.F.	Product	Elev Diff.	H.I.	Elevation	Notes
						B.S.	F.S.									
<i>L. 40-W</i>															3798.17	
	<i>46-S</i>	$\pi$		<i>145</i>		<i>6.62</i>		<i>69°20'</i>			<i>+33.02</i>	<i>+17.88</i>	<i>+54.50</i>	<i>3852.67</i>		
	<i>45-S</i>			<i>43.5</i>			<i>6.21</i>	<i>68°50'</i>			<i>-33.67</i>	<i>-14.65</i>	<i>-10.86</i>		<i>3831.81</i>	
	<i>44-S</i>			<i>65</i>			<i>2.41</i>	<i>105°40'</i>			<i>+26.00</i>	<i>+16.90</i>	<i>+14.49</i>		<i>3867.16</i>	
	<i>43-S</i>	$\odot$		<i>170</i>			<i>4.03</i>	<i>107°40'</i>			<i>+28.92</i>	<i>+19.16</i>	<i>+45.13</i>		<i>3897.80</i>	
		$\pi$		<i>194</i>		<i>7.07</i>		<i>78°20'</i>			<i>+19.80</i>	<i>+38.42</i>	<i>+45.49</i>	<i>3943.29</i>		
	<i>42-S</i>			<i>95</i>			<i>7.51</i>	<i>77°20'</i>			<i>-21.39</i>	<i>-20.32</i>	<i>-27.83</i>		<i>3915.46</i>	
	<i>41-S</i>			<i>—</i>			<i>3.40</i>	<i>90°</i>			<i>—</i>	<i>—</i>	<i>-3.40</i>		<i>3939.89</i>	
	<i>40-S</i>			<i>109</i>			<i>3.12</i>	<i>92°50'</i>			<i>+4.94</i>	<i>+5.38</i>	<i>+2.26</i>		<i>3945.55</i>	
	<i>39-S</i>	$\odot$		<i>209</i>			<i>6.74</i>	<i>92°20'</i>			<i>+5.80</i>	<i>+12.13</i>	<i>+5.39</i>		<i>3948.68</i>	
		$\pi$		<i>—</i>		<i>6.70</i>		<i>90°</i>			<i>—</i>	<i>—</i>	<i>+6.70</i>	<i>3955.38</i>		
	<i>38-S</i>			<i>—</i>		<i>1.</i>	<i>7.91</i>	<i>90°</i>			<i>—</i>	<i>—</i>	<i>-7.91</i>		<i>3947.47</i>	
	<i>37-S</i>			<i>—</i>			<i>5.37</i>	<i>90°</i>			<i>—</i>	<i>—</i>	<i>-5.37</i>		<i>3950.01</i>	
	<i>36-S</i>			<i>—</i>			<i>5.27</i>	<i>90°</i>			<i>—</i>	<i>—</i>	<i>-5.27</i>		<i>3950.11</i>	
	<i>35-S</i>	$\odot$		<i>—</i>			<i>8.43</i>	<i>90°</i>			<i>—</i>	<i>—</i>	<i>-8.43</i>		<i>3946.95</i>	
	<i>35-S</i>	$\pi$		<i>173</i>		<i>6.68</i>		<i>98°50'</i>			<i>-15.17</i>	<i>-26.25</i>	<i>-19.57</i>	<i>3927.38</i>		
	<i>34-S</i>			<i>65</i>			<i>2.35</i>	<i>98°</i>			<i>+13.78</i>	<i>+8.96</i>	<i>+6.61</i>		<i>3933.99</i>	
	<i>33-S</i>			<i>31</i>			<i>7.49</i>	<i>76°</i>			<i>-23.47</i>	<i>-7.28</i>	<i>-14.77</i>		<i>3912.61</i>	
<i>Shelby.</i>	<i>32-S</i>			<i>NEXT BACKSIGHT</i>												
	<i>31-S</i>			<i>245</i>			<i>7.15</i>	<i>71°</i>			<i>-30.78</i>	<i>-75.42</i>	<i>-82.57</i>		<i>3844.81</i>	
	<i>30-S</i>	$\odot$		<i>336</i>			<i>4.76</i>	<i>78°30'</i>			<i>-19.54</i>	<i>-65.64</i>	<i>-70.40</i>		<i>3856.98</i>	$\leftarrow$
		$\pi$		<i>24</i>		<i>3.65</i>		<i>90°</i>			<i>—</i>	<i>—</i>	<i>+3.65</i>	<i>3860.63</i>		
	<i>32-S</i>			<i>217</i>			<i>7.32</i>	<i>92°50'</i>			<i>+4.94</i>	<i>+10.71</i>	<i>+3.39</i>		<i>3864.02</i>	
	<i>29-S</i>			<i>77</i>			<i>6.32</i>	<i>83°10'</i>			<i>-11.81</i>	<i>-9.10</i>	<i>-15.42</i>		<i>3845.21</i>	
	<i>28-S</i>	$\odot$		<i>180.5</i>			<i>6.92</i>	<i>81°</i>			<i>-15.45</i>	<i>+27.89</i>	<i>-34.81</i>		<i>3825.82</i>	



# PETER E. WALCOTT & ASSOC. LTD.

## ELEVATION DATA

JOB No.                      DATE                      SURVEY                      RODMAN                      INSTRUMENT

Remarks	Station	T.P.	1/2 Stad	Stad	HA IR	Rod		Angle	AZ- MU- TH	Distance	R.F.	Product	Elev Diff.	H.I.	Elevation	Notes	
						B.S.	F.S.										
															3568.57	3535.55	
	16-5	<del>A</del>		183		1.93		95°					-8.68	-15.89	-13.96	3554.61	
	T.P	o	206	412			4.07	87°					-5.23	-21.53	-25.60	3529.01	
creek →		<del>A</del>		144		2.615		88°10'					+3.20	+4.60	+7.22	3536.23	
	T.P	o		—			5.985	90°					—	—	-5.99	3530.24	
		<del>A</del>		186		6.565		86°40'					+5.80	+10.80	+17.37	3547.61	
	T.P	o		—			2.62	90°					—	—	-2.62	3544.99	
		<del>A</del>		—		11.765		90°					—	—	+11.76		
	T.P	o		232			3.36	91°					+1.74	+4.05	+0.69		
		<del>A</del>		240.5		7.46		94°					-6.96	-16.74	-9.28		
INT - L. 48-W & ROAD	INT			—			2.58	90°					—	—	(-7.58)		
	T.P	o		262			7.20	87°20'					-4.65	-12.18	-19.38		
		<del>A</del>		—		0.68		90°					—	—	+0.68		
	T.P	o		—			4.85	90°					—	—	-4.85		
		<del>A</del>		—		5.13		90°					—	—	+5.13		
ROAD L. 56-W.	10-5			—			4.99	90°					—	—	(-4.99)		
	T.P.	o		—			5.22	90°					—	—	-5.22		
		<del>A</del>		—		1.69		90°					—	—	+1.69		
ROAD L. 64-W.	12-5			131			11.75	89°20'					-1.16	-1.52	(-13.27)		
	T.P	o		—			12.37	90°					—	—	-12.37		
		<del>A</del>		177		6.92		91°30'					-2.62	-4.63	+2.29		
ISLAND →	T.P	o		—			13.70	90°					—	—	-13.70		
		<del>A</del>		—		5.51		90°					—	—	+5.51		
L. 72-W	17-5	<del>A</del>		162			7.58	101°30'					+19.54	+31.65	+24.07	3498.99	← 3532.01
	16-5			—			4.41	90°					—	—	3470.51		

HEK GRID

PETER E. WALCOTT & ASSOC. LTD.  
ELEVATION DATA

PAGE No.

JOB No.

DATE Oct 20/76

SURVEY

RODMAN

INSTRUMENT

Remarks	Station	T.P.	1/2 Stad	Stad	HA IR	Rod		Angle	AZ- MU- TH	Distance	R.F.	Product	Elev. Diff.	H.I.	Elevation	Notes
						B.S.	F.S.									
															3611.75'	
LINE 72-W STA 33-S	33 ✓			268		551		9030	✓		0.87	-2.33	+3.18	3614.93		
	✓	#1		224			625	9440	✓		8.11	+18.17	+11.92		3626.85'	TIE BETWEEN LINE 72-W
	"	"		169		390		8810	✓		3.20	+5.41	+9.31	3636.16		STA 33-S LINE 64-W STA 34-S
	✓	#2		194			492	8840	✓		2.33	-4.52	-9.44		3626.72	+7.42
	"	"		397		626		7150	✓		29.62	+117.59	+123.85	3750.57		
LINE 64-W STA 34-S.	34			486			504	7420	✓		26.00	-126.36	(-131.40)		3619.17	
	35			288			593	7140			-29.86	-115.85	-121.78		3628.79	
	36			301			744	7120			-30.32	-91.27	-98.71		3651.86	
	37			197			584	6950			-32.36	-63.75	-69.59		3680.98	
	38			62			537	7000			-32.14	-28.28	-33.65		3716.92	
	39			10			104	9320			+1.16	+0.12	-0.92		3749.65'	
	40			124			855	10830	✓		30.09	+37.31	+28.76		3779.33	*
	"	"		345		408		7310	✓		27.72	+95.63	+99.71	3879.04		
	41			246			599	7100			-30.78	-75.73	-81.92		3797.12	
	42			134			550	6840			-33.89	-15.41	-50.91		3828.13	*
	43			31			520	6840			-33.89	-10.50	-15.70		3863.34	
	44			72			229	10720			+28.44	+20.48	+18.19		3897.23'	
	45			180			389	11080			+33.02	+59.44	+55.55		3934.59	
	46			298			576	11100	✓		33.46	+99.71	+93.95		3972.99	
	"	"		236		1008		7440	✓		25.50	+85.68	+95.76	4068.75'		





Heck.

Remarks	Station	T.P.	1/2 Stad	Stad	HA IR	Rod		Angle	AZ- MU- TH	Distance	R.F.	Product	Elev Diff.	H.I.	Elevation	Notes
						B.S.	F.S.									
L-86	0														3550.00	Assumed
	1	π		108.5		4.54		79 10			18.46	20.03	24.57	3574.57		
	IN			0				579 90-			-	-	-5.19		3569.38	
	2			-				12.20 90-			-	-	-12.20		3562.37	
	3			-				217 90-			-	-	-2.17		3572.40	
	4	0		200				1.95 93-			5.23	15.64	13.69		3588.26	
		π		358		3.42		86 50					23.17	3611.43		
	5			256				6.02 86 50			-	-	-20.14		3591.29	
	6			161				4.98 83 20			-	-	-23.54		3587.89	
	7			59				12.22 84 30			-	-	-17.85		3593.58	
	8			-				10.69 90-			-	-	-10.69		3600.74	
	9			148.5				2.86 82 20			-	-	-22.49		3588.94	
	10			246				3.78 87-			-	-	-16.64		3594.79	
	11			-				2.58 90-			-	-	-2.58		3608.85	
	12	0		446				3.96 93-			-	-	19.35		3630.78	
		π		167		9.71		78 50			19.00	31.73	41.49	3672.27		
	13			67				3.34 78 40			-	-	-16.25		3656.02	
	14			-				6.20 90-			-	-	-6.20		3666.07	
	15			-				12.60 90-			-	-	-12.60		3659.67	
	16			236.5				11.84 87 30			-	-	-22.15		3650.12	
	17	0		-				8.90 90-			-	-	-8.90		3663.37	
		π	16.42 13.7	302		14.66		79 20					73.23	3736.60		
	18			222				14.96 79-			-	-	-5.54		3680.06	
	19			120				12.67 79 20			-	-	-24.50		3702.10	
	20			-				8.27 90-			-	-	-8.27		3728.33	

HEK

PAGE No.

PETER E. WALCOTT & ASSOC. LTD.  
ELEVATION DATA

JOB No. DATE *04/2/92* SURVEY *Re* RODMAN *LD* INSTRUMENT

Remarks	Station	T.P.	1/2 Stad	Stad	HA IR	Rod		Angle	AZI MU TH	Distance	R. F.	Product	Elev Diff.	H.I.	Elevation	Notes
						B.S.	F.S.									
														3736.60		
<i>L-86</i>																
	21N			82			4.51	98-					6.79		3743.39	
	22			188			7.11	102-					31.12		3767.72	
	23	⊙		286			3.31	10120			10.27	55.11	51.80		3788.40	
		⊗		193.5		9.13		80.50			19.27		39.56	3827.96		
	24			91			3.06	80.50			15.73	-14.31	-17.37		3810.59	
	25			-			3.01	90-			-	-	-3.01		3824.95	
	26			115			2.54	10020					17.75		3845.71	
	27			110			4.12	10040					35.72		3863.68	
	28N			316			4.98	10040					52.50		3880.46	
	22	⊙		103			9.13	80.50					-39.48		3788.48	
		⊗		286.5		3.23		101.20					-51.97	3736.51		
	17	⊙	<i>11.05</i> 157	323			14.58	7920					-73.33		3663.18	
		⊗		-		8.87		90-			-	-	8.87	3672.05		
	12	⊙		167			9.22	7841			-19.27	32.18	-41.40		3630.65	
		⊗		446		3.88		93-					-19.43	3611.22		
	4	⊙		358			3.34	86.50					-23.09		3588.13	
		⊗		299		1.94		93-					-13.69	3574.44		
	0	⊙		108.5			4.52	7910					-24.55		3549.89	[ -0.11 ]

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PAGE No. A

PETER E. WALCOTT & ASSOC. LTD.  
ELEVATION DATA

JOB No. DATE Oct 22/72 SURVEY *FL* RODMAN *SD* INSTRUMENT *Th 20 C*

Remarks	Station	T.P.	1/2 Stad	Stad	HA IR	Rod		Angle	AZI MU TH	Distance	R.F.	Product	Elev Diff.	H.I.	Elevation	Notes
						B.S.	F.S.									
L-16W	85														3540.00	-assumed.
		π		-		6.20		90-			-	-	6.20	3546.20		6.20
	9			-		6.59		90-			-	-	-6.59		3539.61	
	10			-		6.30		90-			-	-	-6.30		3539.90	0
	11			94		8.36		10720					18.37		3564.57	
	12			196		12.07		10520					37.91		3584.11	
	13			297		5.64		10530					70.84		3617.04	
	14	⊙		408		10.47		10550					96.63		3642.83	
		π		388		4.22		753					98.27	3741.10		
	15			287		5.19		7530					-74.76		3666.34	
	16			184		4.87		7540					-49.00		3692.10	
	17			81		8.50		78-					-24.97		3716.13	
	18			20		3.12		10020					0.41		3741.51	
	19			123		1.76		10550					30.53		3771.63	
	20			223		2.82		10610					56.82		3797.92	
	21		170	340		15.0		108-					84.24		3825.34	
	22	⊙		442		5.48		10710					119.17		3860.27	
		π		281		10.74		7120					95.95	3956.22		
	23			183		5.12		7120					-60.61		3895.61	
	24			77		5.40		7320					-25.56		3930.66	
	25			26		1.13		9240					0.08		3956.30	
	26			129		3.63		9730					13.06		3969.28	
	27	⊙		234		12.32		9720					17.30		3973.52	
		π		257		3.10		8220					37.08	4010.60		
	28			165		5.88		7040					-57.43		3953.17	

PAGE No. 1

PETER E. WALCOTT & ASSOC. LTD.  
ELEVATION DATA

JOB No. DATE *6-22* SURVEY *lp* RODMAN INSTRUMENT

Remarks	Station	T.P.	1/2 Stad	Stad	HA IR	Rod		Angle	AZ- MU- TH	Distance	R. F.	Product	Elev Diff.	H.I.	Elevation	Notes
						B.S.	F.S.									
L-16w														4010.60		
	295			65			11.34	7050			31.01	70.16	-31.50		3979.10	
	30			29			3.16	9510					-0.56		4010.04	
	31			134			2.64	9850					17.60		4028.29	
	32	⊙		236			7.13	10030					35.16		4045.76	
		⊗		304		754	9	8110					53.67	4099.43		
	33			201			9.20	8220					-35.78		4063.65	
	34			101			6.42	8230					-19.49		4079.94	
	35			0			5.12	90-		-	-		-5.12		4094.31	
	36			106			5.55	10040					13.73		4113.16	
	37			204			3.91	9930					29.30		4128.73	
	38	⊙		302			6.34	9950					44.48		4143.91	
		⊗		300		5.48		8550					27.22	4171.13		
	39			196			4.02	8610					-17.09		4154.04	
	40			95.5			4.53	8610					-10.90		4160.23	
	41			0			5.12	90-		-	-		-5.12		4166.01	
	42			-			3.77	90-		-	-		-3.77		4167.36	
	43			-			2.70	90-		-	-		-2.70		4168.43	
	44			-			3.30	90-		-	-		-3.30		4167.83	
	38	⊙		300			5.48	8550					-27.22		4143.91	
		⊗		302		6.30		9950					-44.52	4099.39		
	32	⊙		304			7.50	810					-53.63		4045.76	
		⊗		236		7.09		10030					-35.20	4010.56		
	27	⊙		257			3.08	8220					-37.06		3973.50	
		⊗		234		1232		9720					-17.30	3956.20		

22 ⊙ 287 10.78 7120 -95.99 3860.21



## PETER E. WALCOTT &amp; ASSOC. LTD.

## GRAVITY DATA

JOB No. HEK

DATE

OCT. 19  
1976

OPERATOR

O'CONNOR

INSTRUMENT

G-237

INSTR. CONSTANT

1.061\*

LATITUDE

CHECKED

Remarks	Base	Station	Time	Reading	H. I.	H. I. corr.	Base corr.	Drift	Corr. Reading	Observed Gravity	Elev.	$\rho = 2.70$ Elev. Corr. .0597	Lati- tude	Latitude Corr.	$\rho =$ Bouguer Gravity	.05419 3-13.00
	CAMP BASE		840	52.430	36	.27	6.99	.00	157.58	167.19						
L-80 W		16+00 S	926	55.90	33	.21	.23	-0.1	49.14	158.24	3464.80	206.85		-.66	364.43	345.34
		L	935	55.14	39	.29	.28		48.43	157.48	3480.85	207.81		-.64	364.65	345.47
			938	56.37	35	.26	.25		48.63	157.70	3478.59	207.67		-.63	364.74	345.57
			943	53.95	34	.25	.24		47.20	156.18	3506.39	209.33		-.61	364.90	345.58
		20-S	946	53.68	35	.26	.25		46.94	155.90	3512.20	209.68		-.59	364.99	345.64
			949	52.53	38	.28	.27		45.81	154.70	3531.36	210.82		-.58	364.94	345.48
			953	50.97	38	.28	.27		44.25	153.05	3559.29	212.49		-.56	364.98	345.37
			957	50.43	41	.30	.29		43.73	152.50	3569.53	213.10		-.54	365.06	345.39
			1000	49.67	39	.29	.28		42.96	151.68	3582.59	213.88		-.52	365.04	345.30
		25-S	1003	49.37	33	.24	.23		42.61	151.31	3588.89	214.26		-.51	365.06	345.28
			1067	49.29	42	.31	.30		42.60	151.30	3589.97	214.32		-.49	365.13	345.35
			1011	49.19	39	.29	.28		42.48	151.17	3592.31	214.46		-.47	365.16	345.37
			1014	49.21	37	.27	.26		42.48	151.17	3592.04	214.44		-.45	365.16	345.37
			1018	49.15	39	.29	.28		42.44	151.13	3594.39	214.59		-.44	365.28	345.47
		30-S	1021	49.02	39	.29	.28		42.31	150.99	3597.72	214.78		-.42	365.35	345.53
			1035	48.83	39	.29	.28		42.12	150.79	3601.17	214.99		-.40	365.38	345.74
			1038	48.17	34	.25	.24		41.42	150.05	3609.77	215.50		-.38	365.17	* slow checked 345.28
			1042	47.37	35	.26	.25		40.63	149.21	3627.76	216.58		-.37	365.42	345.43
			1050	46.30	36	.27	.26		39.57	148.08	3647.05	217.73		-.35	365.46	345.36
		35-S	1053	45.31	36	.27	.26		38.58	147.03	3668.12	218.99		-.33	365.69	345.48
			1058	43.61	39	.29	.27	-0.2	36.89	145.24	3701.21	220.96		-.32	365.88	345.49
			1102	42.78	36	.27	.25		36.04	144.34	3719.07	222.03		-.30	366.07	345.58
			1106	42.11	38	.28	.26		35.38	143.64	3732.56	222.83		-.28	366.19	345.63
		39-S	1110	41.45	38	.28	.26		34.72	142.94	3745.77	223.62		-.26	366.30	* checked 345.66

## PETER E. WALCOTT &amp; ASSOC. LTD.

## GRAVITY DATA

JOB No. HEK

DATE

OCT. 19  
1976

OPERATOR

O'CONNOR

INSTRUMENT

1.06172

INSTR. CONSTANT

G-257

LATITUDE

CHECKED

Remarks	Base	Station	Time	Reading	H. I.	H. I. corr.	Base corr.	Drift	Corr. Reading	Observed Gravity	Elev.	$\rho = 2.7$ Elev. Corr. .0597	Lati- tude	Latitude Corr.	$\rho =$ Bouguer Gravity	
L-80W		40-S	1114	5240.52	40	.36 <sup>78</sup>	6.99	-.02	133.81	141.97	3759.30	224.43		-.25	366.15	345.44
			1118	39.68	37	.27	.25		32.94	141.05	3775.78	225.41		-.23	366.23	345.43
			1122	38.96	39	.29	.27		32.24	140.31	3789.83	226.25		-.21	366.35	345.47
			1125	38.06	39	.29	.27		31.34	139.35	3807.22	227.29		-.19	366.45	345.47
			1128	37.17	36	.27	.25		30.43	138.39	3823.07	228.24		-.18	366.45	345.38
		45-S	1131	36.51	40	.30	.28		29.80	137.72	3834.28	228.91		-.16	366.47	345.34
			1135	35.44	41	.30	.28		28.73	136.58	3852.83	230.01		-.14	366.45	345.22
			1139	34.87	48	.35	.33		28.21	136.03	3865.35	230.76		-.12	366.67	+345.37
		48-S	1143	34.27	40	.30	.28		27.56	135.34	3876.35	231.42		-.11	366.65	345.29
L-72W		47-S	1203	29.00	36	.27	.25		22.26	129.72	3973.01	237.19 235.04		-0.03	366.88 364.72	* 344.99
			1208	27.70	41	.30	.28		20.99	128.37	3996.12	238.57		-0.02	366.92	+ 344.90
			1212	26.69	38	.28	.26		19.96	127.28	4017.35	239.84		0.00	367.12	344.91/81 * checked
		50-S	1216	25.54	37	.27	.25		18.80	126.05	4037.41	241.03		+0.02	367.10	344.86
			1220	24.96	37	.27	.25		18.22	125.43	4051.30	241.86		+0.04	367.33	345.06 elev + grav. checked
			1223	24.11	37	.27	.25		17.37	124.53	4065.89	242.73		+0.05	367.31	344.91
			1226	23.70	37	.27	.24	-.03	16.95	124.08	4074.72	243.26		+0.07	367.41	344.96
			1230	22.95	39	.29	.26		16.22	123.31	4087.87	244.05		+0.09	367.45	344.92
		55-S	1232	22.08	42	.31	.28		15.37	122.41	4103.06	244.95		+0.10	367.46	344.85
			1235	21.38	39	.29	.26		14.65	121.64	4115.64	245.70		+0.12	367.46	344.79
			1239	20.74	40	.30	.27		14.02	120.98	4127.56	246.42		+0.14	367.54	344.79
			1243	20.34	34	.25	.22		13.57	120.50	4135.24	246.87		+0.16	367.53	344.75
			1248	19.72	36	.27	.24		12.97	119.86	4144.25	247.41		+0.17	367.44	344.61
		60-S	1253	19.32	38	.28	.25		12.58	119.45	4149.94	247.75		+0.19	367.39	344.53

## PETER E. WALCOTT &amp; ASSOC. LTD.

## GRAVITY DATA

JOB No. HEK

DATE OCT. 19 1976

OPERATOR O'CONNOR

INSTRUMENT G-237

INSTR. CONSTANT 1.061

LATITUDE

CHECKED

Remarks	Base	Station	Time	Reading	H. I.	H. I. corr.	Base corr.	Drift	Corr. Reading	Observed Gravity	Elev.	$\rho = .0597$ Elev. Corr.	Lati- tude	Latitude Corr.	$\rho =$ Bouguer Gravity	3.13 .05419
L-64W		60-S	1317	5213.25	40	.30 <sup>27</sup>	6.99	-.03	106.53	113.03	4260.82	254.37		+ .27	367.67	344.19
			1322	13.99	36	.27	.24		7.24	113.78	4248.87	253.66		+ .25	367.69	344.28
			1327	14.90	36	.27	.24		8.15	114.75	4232.92	252.71		+ .24	367.70	344.37
			1330	15.88	38	.28	.25		9.14	115.80	4215.71	251.68		+ .22	367.70	344.47
			1336	16.85	35	.26	.23		10.09	116.81	4198.62	250.66		+ .20	367.67	344.53
		55-S	1341	17.96	36	.27	.24		11.21	117.99	4179.57	249.52		+ .18	367.69	344.66
			1345	19.14	32	.24	.21		12.36	119.21	4159.80	248.34		+ .17	367.72	344.80
			1350	20.42	35	.26	.23		13.66	120.59	4136.45	246.95		+ .15	367.69	344.89
			1355	21.49	41	.30	.26	-.04	14.76	121.76	4114.89	245.66		+ .13	367.55	344.88
			1358	22.65	34	.25	.21		15.87	122.94	4094.04	244.41		+ .12	367.47	344.92
		50-S	1404	23.35	33	.24	.20		16.56	123.67	4079.43	243.54		+ .10	367.31	344.83
			1409	24.48	35	.26	.22		17.71	124.89	4055.15	242.09		+ .08	367.06	344.72
			1413	25.96	35	.26	.22		19.19	126.46	4026.59	240.39		+ .06	366.91	344.72
			1418	27.03	33	.24	.20		20.24	127.57	4005.28	239.12		+ .05	366.74	344.67
			1426	28.82	31	.23	.19		22.02	129.46	3972.99	237.19		+ .03	366.68	344.79
		45-S	1433	30.81	38	.28	.24		24.06	131.63	3934.59	234.90		+ .01	366.54	344.86
			1437	32.83	40	.30	.26		26.10	133.79	3897.23	232.66		-.01	366.44	344.97
			1441	34.68	34	.25	.21		27.90	135.70	3863.34	230.64		-.02	366.32	345.03
			1446	36.56	35	.26	.22		29.79	137.71	3828.13	228.54		-.04	366.21	345.14 * checked
			1450	38.32	38	.28	.24		31.57	139.60	3797.12	226.69		-.06	366.23	345.31
		40-S	1454	39.37	35	.26	.22		32.60	140.69	3779.33	225.63		-.08	366.24	345.41 * checked.
			1459	40.78	34	.25	.21		34.00	142.17	3749.65	223.85		-.09	365.93	345.27
			1504	42.56	38	.28	.24		35.81	144.09	3716.92	221.90		-.11	365.88	345.40
			1509	44.53	36	.27	.23		37.77	146.17	3680.98	219.75		-.13	365.79	345.51
		36-S	1514	46.18	36	.27	.23		139.42	147.92	3651.86	218.02		-.15	365.79	345.66



## GRAVITY DATA

JOB No. HEK

DATE

OCT. 20  
1976

OPERATOR

O'CONNOR

INSTRUMENT

G-237

INSTR. CONSTANT

1.061

LATITUDE

NORTH OF  
THE EQUATOR: BUT SOUTH  
OF MY USUAL HAUNTS!  
CHECKED  
DIDN'T NEED CHECK  
MAGNITUDE NEVER  
MAKES MISTAKE

Remarks	Base	Station	Time	Reading	H. I.	H. I. corr.	Base corr.	Drift	Corr. Reading	Observed Gravity	Elev.	$\rho =$ Elev. Corr.	Lati- tude	Latitude Corr.	$\rho =$ Bouguer Gravity	
			1015	5264.31	36	.27	7.00	.00	157.58	167.19						
L-8E		0+00	1100	48.90	39	.29	.28	-.01	42.18	150.85	3620.00	216.11	0.00	366.96	347.02	
			1105	47.91	36	.27	.26		41.17	149.78	3639.38	217.27	-.02	367.03	346.98	
			1108	48.44	39	.29	.28		41.72	150.36	3632.37	216.85	-.03	367.18	347.17	
elev. assumed.			1113	47.93	39	.29	.28		41.21	149.82	3642.40	217.45	-.05	367.22	347.15	
			1116	47.09	36	.27	.26		40.35	148.91	3658.26	218.40	-.07	367.24	347.08	
		5-N	1120	46.92	38	.28	.27		40.19	148.74	3661.29	218.58	-.09	367.23	347.06	
			1124	46.97	37	.27	.26		40.23	148.78	3657.89	218.38	-.10	367.06	346.90	
			1127	46.39	37	.27	.26		39.65	148.17	3663.58	218.72	-.12	366.77	346.58	
			1133	45.79	35	.26	.25		39.04	147.52	3670.74	219.14	-.14	366.52	346.30	
			1137	46.34	41	.30	.29		39.63	148.15	3658.94	218.44	-.16	366.43	346.27	
		10-N	1141	45.94	37	.27	.26		39.20	147.69	3664.79	218.79	-.17	366.41	346.11	
			1144	45.07	39	.29	.28		38.35	146.79	3678.85	219.63	-.19	366.23	345.96	
			1148	43.78	38	.28	.26	-.02	37.04	145.40	3700.78	220.94	-.21	366.13	345.74	
			1151	42.43	36	.27	.25		35.68	143.96	3726.02	222.44	-.23	366.17	345.64	
			204	41.80	39	.29	.27		35.07	143.31	3736.07	223.04	-.24	366.11	345.53	
		15-N	1207	42.11	39	.29	.27		35.38	143.64	3729.67	222.66	-.26	366.04	345.49	
			1212	42.59	36	.27	.25		35.84	144.13	3720.12	222.09	-.28	365.94	345.44	
			1215	41.82	38	.28	.26		35.08	143.32	3735.37	223.00	-.30	366.02	345.44	
			1218	40.92	37	.27	.25		34.17	142.35	3750.06	223.88	-.31	365.92	345.26	
			1222	39.71	34	.25	.23		32.94	141.05	3772.10	225.19	-.33	365.91	345.13	
		20-N	1226	38.29	36	.27	.25		31.54	139.56	3798.33	226.76	-.35	365.97	345.04	
			1230	37.54	37	.27	.25		30.79	138.77	3813.39	227.66	-.36	366.07	345.06	
			1234	36.24	34	.25	.23		29.47	137.37	3837.72	229.11	-.38	366.10	344.96	
		23-N	1239	35.07	38	.28	.26		28.33	136.16	3858.40	230.35	-.40	366.11	344.85	

PETER E. WALCOTT & ASSOC. LTD.  
GRAVITY DATA

JOB No. HEK

DATE

OCT. 20  
1976

OPERATOR

D'CONNOR

INSTRUMENT

G-237

INSTR. CONSTANT

1.061

LATITUDE

CHECKED

Remarks	Base	Station	Time	Reading	H. I.	H. I. corr.	Base corr.	Drift	Corr. Reading	Observed Gravity	Elev.	$\rho =$ Elev. Corr.	Lati- tude	Latitude Corr.	$\rho =$ Bouguer Gravity	3.13 .05419
L-8 E		24-N	1243	523393	35	.26 <sup>24</sup>	7.00	-.02	127.17	134.93	3880.59	231.67		-1.42	366.18	344.80
		25-N	1247	33.15	37	.27	.24	-.03	26.39	134.16	3894.95	232.53		-1.43	366.20	344.74
			1250	31.97	38	.28	.25		25.22	132.86	3915.71	233.77		-1.45	366.18	344.60
			1254	31.04	37	.27	.24		24.28	131.86	3933.68	234.84		-1.47	366.16	344.56
		28-N	1258	30.08	40	.30	.27		23.35	130.87	3950.46	235.84		-1.49	366.22	344.46
L-16 W		44-S	1408	20.78	41	.30	.26	-.04	14.04	121.00	4167.83	248.82		+1.50	370.32	347.35
			1413	20.79	37	.27	.23		14.02	120.98	4168.43	248.86		+1.49	370.33	347.36
			1418	20.87	40	.30	.26		14.13	121.09	4167.36	248.79		+1.47	370.35	347.39
			1421	20.84	36	.27	.23		14.07	121.03	4166.01	248.71		+1.45	370.19	347.24
		40-S	1432	21.18	37	.27	.23		14.41	121.39	4160.23	248.37		+1.43	370.19	347.26
SHAKEY			1439	21.46	33	.24	.20		14.66	121.65	4154.04	248.00		+1.42	370.07	347.18
			1443	21.97	36	.27	.23		15.20	122.23	4143.91	247.39		+1.40	370.02	347.19
			1447	22.81	40	.30	.25	-.05	16.06	123.14	4128.73	246.49		+1.38	370.01	347.26
			1451	23.65	36	.27	.22		16.87	124.00	4113.16	245.56		+1.36	369.92	347.25
		35-S	1455	24.68	38	.28	.23		17.91	125.10	4094.31	244.43		+1.35	369.88	347.32
			1500	25.49	38	.28	.23		18.72	125.96	4079.94	243.57		+1.33	369.86	347.38
			1504	26.39	35	.26	.21		19.60	126.90	4063.65	242.60		+1.31	369.81	347.42
			1510	27.31	40	.30	.25		20.56	127.91	4045.76	241.53		+1.30	369.74	347.45
			1514	28.22	34	.25	.20		21.42	128.83	4028.29	240.49		+1.28	369.60	347.40
		30-S	1517	29.11	41	.30	.25		22.36	129.82	4010.04	239.40		+1.26	369.48	347.38
			1522	30.67	38	.28	.23		23.90	131.46	3979.10	237.55		+1.24	369.25	347.33
			1527	32.12	39	.29	.24		25.36	133.01	3953.17	236.00		+1.23	369.24	347.46
			1530	30.81	39	.29	.24		24.05	131.62	3973.52	237.22		+1.21	369.05	347.16
		26-S	1534	30.91	37	.27	.22		24.13	131.70	3969.28	236.97		+1.19	368.86	346.99
	CAMP BASE	#2	175	526438	37	.27	.20	-.07	157.58	167.19	<del>39430</del>					

DRIFT = +.07

## PETER E. WALCOTT &amp; ASSOC. LTD.

## GRAVITY DATA

JOB No. HEK

DATE

OCT. 21  
1976

OPERATOR O'CONNOR

INSTRUMENT

G-237

INSTR. CONSTANT

1061 ~~5~~

LATITUDE

CHECKED

Remarks	Base	Station	Time	Reading	H. I.	H. I. corr.	Base corr.	Drift	Corr. Reading	Observed Gravity	Elev.	$\rho =$ Elev. Corr.	Lati- tude	Latitude Corr.	$\rho =$ Bouguer Gravity	
	CAMP BASE	#2	925	526436	37	.27	-107.05	0	157.58	167.19						3.13 .05419
L-16W		26-S	1040	30.90	38	.28		0	124.13	131.70	3969.28	236.97		+1.19	368.86	346.99
		25-S	1044	31.43	40	.30		0	124.68	132.29	3956.30	236.19		+1.17	368.65	346.85
			1047	32.81	39	.29		0	126.05	133.74	3930.66	234.66		+1.16	368.56	346.90
			1051	34.60	39	.29		+1	127.94	135.74	3895.61	232.57		+1.14	368.45	346.98
			1055	36.53	42	.31		+1	129.89	137.81	3860.27	230.46		+1.12	368.39	347.12
			1059	38.51	41	.30		+1	131.86	139.90	3825.34	228.37		+1.10	368.37	347.30
		20-S	1104	39.92	39	.29		+1	133.26	141.39	3797.92	226.74		+1.09	368.22	347.29
			1107	41.27	39	.29		+1	134.61	142.82	3771.63	225.17		+1.07	368.06	347.27
			1110	42.80	41	.30		+1	136.15	144.46	3741.51	223.37		+1.05	367.88	347.26
			1114	44.07	41	.30		+1	137.42	145.80	3716.13	221.85		+1.04	367.69	347.22
			1117	45.35	39	.29		+1	138.69	147.15	3692.10	220.42		+1.02	367.59	347.24
		15-S	1120	46.67	40	.30		+1	140.02	148.56	3666.34	218.88		0.00	367.44	347.24
			1123	47.75	42	.31		+1	141.11	149.72	3642.83	217.48		-1.02	367.18	347.10
			1127	49.09	37	.27		+1	142.41	151.10	3617.04	215.94		-1.03	367.01	347.08
			1130	50.96	37	.27		+1	144.28	153.08	3584.11	213.97		-1.05	367.00	347.25
			1133	52.05	34	.25		+1	145.35	154.22	3564.57	212.80		-1.07	366.95	347.31
		10-S	1137	53.35	34	.25		+1	146.65	155.60	3539.90	211.33		-1.09	366.82	347.34
			1140	53.40	36	.27		+1	146.72	155.67	3539.61	211.31		-1.10	366.88	347.38
		8-S	1143	53.37	35	.26		+1	146.68	155.63	3540.00	211.34		-1.12	366.85	ELEV. 353.33 ASSUMED. 347.34
L-40W		16-S	1223	52.00	41	.30		+1	145.35	154.22	3535.55	211.07		-1.23	365.06	345.58
			1227	50.19	39	.29		+1	143.53	152.29	3571.71	213.23		-1.21	365.31	345.63
			1232	48.16	39	.29		+1	141.80	150.45	3608.21	215.41		-1.20	365.66	345.78
		19-S	1235	47.13	41	.30	-107.05	+1	140.48	149.05	3634.51	216.98		-1.18	365.85	345.82

## PETER E. WALCOTT &amp; ASSOC. LTD.

## GRAVITY DATA

JOB No. HEK

DATE

OCT. 21  
1976

OPERATOR

O'DONNOR

INSTRUMENT

G-237

INSTR. CONSTANT

1.061 ~~52~~

LATITUDE

CHECKED

Remarks	Base	Station	Time	Reading	H. I.	H. I. corr.	Base corr.	Drift	Corr. Reading	Observed Gravity	Elev.	$\rho =$ Elev. Corr.	Lati- tude	Latitude Corr.	$\rho =$ Bouguer Gravity	
L-40W		20-S	1240	524565	39	.29	-7.05	+0.0	138.90	147.37	3660.09	218.51		-1.6	365.72	345.55
			1245	4452	35	.26		+0.1	137.74	146.14	3685.07	220.00		-1.5	365.99	345.68
			1249	4386	41	.30		+0.1	137.12	145.48	3701.07	220.95		-1.3	366.30	345.91
			1253	43.20	37	.27		+0.1	136.43	144.75	3715.36	221.81		-1.1	366.45	345.98
			1257	42.27	38	.28		+0.1	135.51	143.78	3732.10	222.81		-0.9	366.50	345.93
		25-S	1302	41.06	36	.27		+0.1	134.29	142.48	3754.25	224.13		-0.8	366.53	345.84
			1306	39.94	41	.30		+0.1	133.20	141.33	3775.82	225.42		-0.6	366.69	345.88
			1310	38.38	39	.29		+0.1	131.63	139.66	3803.65	227.08		-0.4	366.70	345.74
			1314	37.23	39	.29		+0.1	130.48	138.44	3825.8	228.40		-0.2	366.82	345.74
			1317	36.24	40	.30		+0.1	129.50	137.40	3845.21	229.56		-0.1	366.95	345.76
		30-S	1321	35.76	42	.31		+0.1	129.03	136.90	3856.98	230.26		+0.1	367.17	345.92
			1324	36.38	33	.24		+0.1	129.58	137.48	3844.81	229.54		+0.3	367.05	345.86
			1330	35.06	42	.31		+0.2	128.34	136.17	3864.02	230.58		+0.5	366.90	345.61 Shelley 245.61
			1335	32.55	37	.27		+0.2	125.79	133.46	3912.61	233.58		+0.6	367.10	345.54
			1339	31.50	39	.29		+0.2	124.76	132.37	3933.99	234.86		+0.8	367.31	345.63
		35-S	1343	30.87	37	.27		+0.2	124.11	131.68	3946.95	235.63		+1.0	367.41	345.67
			1347	30.84	38	.28		+0.2	124.09	131.66	3950.11	235.82		+1.1	367.59	345.83
			1351	36.93	36	.27		+0.2	124.17	131.74	3950.01	235.82		+1.3	367.69	345.92
			1355	31.09	37	.27		+0.2	124.33	131.91	3947.47	235.66		+1.5	367.72	345.97
			1359	31.00	37	.27		+0.2	124.24	131.82	3948.68	235.74		+1.7	367.73	345.97
		40-S	1403	31.22	37	.27		+0.2	124.46	132.05	3945.55	235.55		+1.8	367.78	346.04
			1408	31.45	38	.28		+0.2	124.70	132.31	3939.89	235.21		+2.0	367.72	346.01
			1411	32.84	42	.31		+0.2	126.12	133.81	3915.46	233.75		+2.2	367.78	346.21
			1414	33.66	38	.28		+0.2	126.91	134.65	3897.80	232.70		+2.4	367.59	346.11
SHAKEEE!		44-S	1420	35.18	37	.27	-7.05	+0.2	128.42	136.25	3867.16	230.87		+2.5	367.37	346.06

## PETER E. WALCOTT &amp; ASSOC. LTD.

## GRAVITY DATA

JOB No. HEK

DATE OCT. 21  
1976

OPERATOR O'CONNOR

INSTRUMENT G-237

INSTR. CONSTANT 1.061 ~~2~~

LATITUDE

CHECKED

Remarks	Base	Station	Time	Reading	H. I.	H. I. corr.	Base corr.	Drift	Corr. Reading	Observed Gravity	Elev.	$\rho =$ Elev. Corr.	Lati- tude	Latitude Corr.	$\rho =$ Bouguer Gravity	
L-40W		45-S	1424	5236.75	34	.25'	-7.05'	+0.0	129.97	137.90	3831.81	228.76		+27	366.93	345.82
			1428	38.31	39	.29		+0.0	131.57	139.60	3798.17	226.75		+29	366.64	345.71
			1433	39.55	36	.27		+0.0	132.79	140.89	3769.23	225.00		+31	366.22	345.45
			1437	40.26	40	.30		+0.0	133.53	141.68	3755.19	224.18		+32	366.18	345.49
			1441	38.80	37	.27		+0.0	132.04	140.09	3783.68	225.89		+34	366.32	345.47
		50-S	1445	36.78	40	.30		+0.0	130.05	137.98	3823.02	228.23		+36	366.57	345.51
			1450	34.33	31	.23		+0.0	127.53	135.31	3872.09	231.16		+38	366.85	345.52
			1455	32.06	41	.30		+0.0	125.33	132.98	3914.93	233.72		+39	367.09	345.52
			1500	29.68	37	.27		+0.0	122.92	130.42	3960.70	236.45		+41	367.28	345.46
			1506	27.88	38	.28		+0.0	121.13	128.52	3996.33	238.58		+43	367.53	345.51
		55-S	1510	26.74	36	.27		+0.0	119.98	127.30	4019.46	239.96		+44	367.70	345.55
			1515	26.39	38	.28		+0.0	119.64	126.94	4027.94	240.47		+46	367.87	345.67
			1519	27.07	33	.24		+0.0	120.28	127.62	4017.65	239.85		+48	367.95	345.82
			1522	28.05	45	.33		+0.0	121.35	128.75	3999.45	238.77		+50	368.02	345.98
			1526	29.34	36	.27		+0.0	122.58	130.06	3977.44	237.45		+51	368.02	346.11
		60-S	1530	30.89	43	.32		+0.0	124.18	131.75	3945.58	235.55		+53	367.83	346.09
			1534	32.27	34	.25		+0.0	125.49	133.14	3918.01	233.91		+55	367.60	346.01
		62-S	1538	31.54	28	.21		+0.0	124.72	132.33	3931.13	234.69		+57	367.59	345.93
		16-S	1627	51.95	42	.31		+0.03	145.24	154.10						
CAMP BASE	#2		1715	64.33	37	.27	-107.05'	+0.03	157.58	167.19						

## PETER E. WALCOTT &amp; ASSOC. LTD.

## GRAVITY DATA

JOB No. HEK

DATE

OCT. 23  
1976

OPERATOR O'CONNOR

INSTRUMENT G-237

INSTR. CONSTANT 1.061<sup>52</sup>

LATITUDE

CHECKED

Remarks	Base	Station	Time	Reading	H. I.	H. I. corr.	Base corr.	Drift	Corr. Reading	Observed Gravity	Elev.	$\rho =$ Elev. Corr.	Lati- tude	Latitude Corr.	$\rho =$ Bouguer Gravity	
	MBS.		900	5264.26	37	.27	493.05	0	157.58	167.19						
L-72W		16-S	934	54.21	39	.29			147.55	156.55	3500.00	208.95	-.55	364.95	345.57	
		17-S	940	54.29	39	.29			147.63	156.64	3500.95	209.01	-.54	365.11	345.82	
			943	54.08	40	.30			147.43	156.42	3501.30	209.21	-.52	365.11	345.80	
		20-S	947	53.77	37	.27			147.09	156.06	3509.67	209.53	-.50	365.09	345.75	
			951	53.43	42	.31			146.79	155.74	3515.09	209.85	-.49	365.10	345.73	
			955	52.79	40	.30			146.14	155.05	3526.69	210.54	-.47	365.12	345.69	
			958	52.14	35	.26			145.45	154.32	3539.16	211.29	-.45	365.16	345.66	
SHAKEY ROOTS			1002	52.40	41	.30			145.75	154.64	3534.61	211.02	-.43	365.23	345.75	
		25-S	1005	52.37	41	.30			145.72	154.61	3535.98	211.10	-.42	365.29	345.80	
			1009	52.49	42	.31			145.85	154.75	3536.49	211.13	-.40	365.48	345.99	
			1013	52.07	39	.29			145.41	154.28	3545.80	211.68	-.38	365.58	346.05	
			1015	51.13	42	.31			144.49	153.30	3562.61	212.75	-.36	365.69	346.05	
			1019	49.87	36	.27			143.19	151.92	3582.21	214.16	-.35	365.73	345.96	
		30-S	1023	49.62	39	.29			142.96	151.68	3591.93	214.44	-.33	365.79	346.00	
			1026	49.22	38	.28			142.55	151.25	3597.41	214.77	-.31	365.71	345.88	
			1035	48.87	38	.28			142.20	150.87	3601.69	215.02	-.29	365.60	345.76	
			1038	48.21	39	.29			141.55	150.18	3611.75	215.16	-.28	365.52	345.62	
			1042	47.43	39	.29			140.77	149.36	3625.55	216.44	-.26	365.54	345.57	
		35-S	1046	46.04	38	.28			139.37	147.87	3650.26	217.92	-.24	365.55	345.44	
			1054	44.00	39	.29			137.34	145.72	3688.73	220.22	-.23	365.71	345.38	
			1100	42.14	38	.28			135.47	143.73	3726.10	222.45	-.21	365.97	345.44	
			1105	41.25	40	.30			134.60	142.81	3744.62	223.55	-.19	366.17	345.54	
		39-S	1108	39.98	39	.29	493.05	0	133.32	141.45	3768.49	224.98	-.17	366.26	345.49	

