Grant 806 - Kukaeunui Mokuleleua = 2 Lots

Description of Subdivision **TRAVERSE** Surveyed September 190

T.KM - 2-6-15

STA.	AZIMUTH	DISTANCE	LATITUDE N.	LATITUDE S.	DEPARTURE E.	DEPARTURE W.	CO-ORDINATE N.	CO-ORDINATE S.	CO-ORDINATE E.	CO-ORDINATE W.
Subdivision 1 — Mo — Cancel.										
Beginning at an iron pipe in the ground marking the South West angle of this Lot. — at East cor. of present County road, — the coordinates of the said point being N. 3647.16 E. 1572.26 referred to the Halei Survey Reference Station the boundaries run by true azimuths										
1	176°27′ —	54.0 ft.	along West line of this Lot bordering on County road (as now) to iron pipe at angle							
2	186°25′ —	95.94 "	" " " " " " " North West angle							
3	264°12′ —	591.11	along Royal Patent (Grant) 13 — to (Palaa) to iron pipe at sea bluff. —							
4	33°44′ —	229.20	the boundary following the windings of top of sea bluff							
5	357°31′ —	55.70	" " " " to pipe at South East.							
6	94°34′46″	473.01	along subdivision #2 #3 and #4 being the remainder of Royal Patent #80 to point of beginning.							
			Containing an area of 2.31/10 acres —							
Subdivision #2										
Beginning at an iron pipe in the ground marking the North West angle of this Lot, the coordinates of said point being N. 3649.16 E. 1572.26 referred to the "Halei" Govt Survey Ref. Station, the boundaries run by true azimuths										
1	274°34′46″	200.44	along subdivision #1 — Mo — Cancel. to iron pipe at North East angle							
2	0°00′00″	197.31	" " #3 — — — " South East angle							
3	108°46′00″	200.97	" North boundary R.P. (Grant) 804 of Apua Kuikaheu " South West angle							
4	176°27′00″	149.28	" East edge of County road (as now) to point of beginning							
			Containing an area of 33594.25/110 feet = 77/110 of one acre.							
Subdivision #3.										
Beginning at an iron pipe in the ground marking the North West angle of this Lot, the coordinates of said point being N. 3626.16 E. 1577.68 referred to the Halei Govt Survey Ref. Station the boundaries run by true azimuths										
1	274°34′46″	154.92	along subdivision #1 Mo Cancel. to iron pipe at North East angle							
2	0°00′00″	237.11	" " #4 — — " South East "							
3	108°40′00″	163.00	" North boundary R.P. (Grant) 804 of Apua Kuikaheu to iron pipe West West.							
4	180°00′00″	197.31	" subdivision #2 to point of beginning							
			Containing an area of 33543.0 feet = 77/110 of one acre							
Subdivision #4										
Beginning at an iron pipe in the ground marking the North West angle of this Lot, the coordinates of said point being N. 3649.16 E. 1572.26 referred to the "Halei" Govt Survey Ref. Station the boundaries run by true azimuths										
1	274°34′46″	117.65	along subdivision #1 Mo — Cancel to iron pipe at North East angle, on top edge of sea bluff							
2	357°31′00″	161.12	the boundary following the windings of top of sea bluff to iron pipe							
3	338°17′00″	135.66	" " " " " " " " South East							
4	108°40′00″	183.31	along North boundary R.P. (Grant) 804, Apua Kuikaheu to " " South West							
5	180°00′00″	237.11	" Subdivision #3 to point of beginning							
			Containing an area of 33763.65 feet = 77/110 of one acre.							

Sta		Sta		Sta		Sta	
l. cos 85°15.14'	8.902277	l. cos 71°20'	9.505239	l. cos 71°20'	9.505239	l. cos	
" dist 194.10	2.288366	" dist 195.10	2.290475	" dist 194.95	2.289925	" dist 142.42	2.152616
" sin	9.998611	" sin	9.976538	" sin	9.976538	" sin	
N. S 13.54	1.191593	N. S 62.48	1.795713	N. S 62.39	1.795515	N. S	
E. W 194.08	2.287977	E. W 184.93	2.267014	E. W 184.69	2.266455	E. W	

Sta		Sta		Sta		Sta	
l. cos 71°20'	9.505239	l. cos 85°15.14"	8.902277	l. cos 85°15.14	8.902277	l. cos 85°15.14	8.902277
" dist 163.5	2.213578	" dist 155	2.190309	" dist 155.16	2.191006	" dis 155.90	2.191510
" sin	9.976538	" sin	9.998611	" sin	9.998611	" sin	9.998611
N. S 52.33	1.719154	N. S 12.47	1.095555	N. S	1.094373	N. S 12.41	1.093678
E. W 154.90	2.190045	E. W 153.50	2.184943	E. W 153.10	2.186209	E. W 154.90	2.190062

Sta		Sta		Sta		Sta	
l. cos 85°15.14'	8.902277	l. cos 71°20'	9.505239	l. cos 85°15.14	8.902277	l. cos 71°20'	9.505239
" dist 155.78	2.192717	" dist 163.9	2.214579	" dist 200.46	2.302062	" dist 202.97	2.307312
" sin	9.998611	" sin	9.976538	" sin	9.998611	" sin	9.976538
N. S 14.44	1.094736	N. S 52.46	1.719814	N. S 16.10	1.204255	N. S 64.46	1.808365
E. W 153.18	2.191238	E. W 153.18	2.191108	E. W 199.82	2.300638	E. W 190.40	2.279639

Sta		Sta		Sta		Sta	
l. cos 85°15.14'	8.902277	l. cos		l. cos 71°20'	9.505239	l. cos 85°15.14	8.902277
" dist 200.44	2.301884	" dist 197.31		" dist 163	2.212187	" dist 154.9	2.190057
" sin	9.998611	" sin		" sin 71°20'	9.976538	" sin	9.998611
N. S 16.10	1.204221	N. S		N. S 52.17	1.717425	N. S 12.46	1.092279
E. W 199.80	2.300577	E. W		E. W 154.43	2.188719	E. W 154.41	2.188662

Sta		Sta		Sta		Sta	
l. cos	8.902277	l. cos 85°15.14"	8.902277	l. cos 2°29'	9.999579	l. cos 2°43'	9.999802
" dist 154.92	2.190107	" dist 117.65	2.070591	" dist 161.12	2.207149	" dist 135.66	2.132478
" sin	9.998611	" sin	9.998611	" sin	8.636776	" sin	9.568244
N. S	1.083233	N. S 9.39	0.972819	N. S 160.97	2.206741	N. S 124.03	2.100477
E. W	2.188718	E. W 117.47	2.069203	E. W 6.98	0.843925	E. W 50.19	1.700067

Sta		Sta		Sta		Sta	
l. cos 71°20'	9.505239	l. cos		l. cos		l. cos	
" dist 183.54	2.263186	" dist		" dist		" dis	
" sin	9.976538	" sin		" sin		" sin	
N. S 58.67	1.768420	N. S		N. S		N. S	
E. W 173.67	2.239718	E. W		E. W		E. W	

Sta		Sta		Sta		Sta	
l. cos		l. cos		l. cos		l. cos	
" dist		" dist		" dist		" dist	
" sin		" sin		" sin		" sin	
N. S		N. S		N. S		N. S	
E. W		E. W		E. W		E. W	

Sta		Sta		Sta		Sta	
l. cos		l. cos		l. cos		l. cos	
" dist		" dist		" dist		" dist	
" sin		" sin		" sin		" sin	
N. S		N. S		N. S		N. S	
E. W		E. W		E. W		E. W	

Chart 806 — TRAVERSE — Nuba Range Hills — 190 Sheet 3

STA.	AZIMUTH	DISTANCE	LATITUDE N.	LATITUDE S.	DEPARTURE E.	DEPARTURE W.	CO-ORDINATE N.	CO-ORDINATE S.	CO-ORDINATE E.	CO-ORDINATE W.
		Subdivision of Chart 806								
Section — West Half.										
Begin at S.W. ☐										
1	N. 3° 33' W.	54.0	53.89			3.34				
2	N. 6° 25' E.	95.94	95.34		10.72					
3	N. 84° 12' E.	591.11	59.26		588.08					
4	S. 33° 44' W.	229.20		190.61		127.28				
5	S. 2° 29' E.	55.7		55.65	2.41					
6	N. 85° 25' 14" W.	473.01	208.49	246.26	601.21	130.62				
			208.49	130.62						
			37.77	470.59						

Area West Half

N. 6° 25' E.	95.94	95.34		10.72		10.72	N. 10220448			
N. 84° 12' E.	591.11	59.26		588.08		619.52	9120.1552			
S. 33° 44' W.	229.20		190.61		127.28	107.32				20401388
S. 2° 29' E.	55.7		55.65	2.41		945.45				5261.4212
N. 85° 25' 14" W.	473.01	37.77			470.59	477.37	13040649			
N. 3° 33' W.	54.0	53.89			3.34	3.34	190.026			
							55362.4775			25627.987
										55362.477
									2	20265.510
										10063.255

Co. 85° 25' 14" = 8.902277

1.097723

log. 37.7 1.577143

473.01 2.674870

Co. 85° 11' 24" 8.892482

1.177518

log 37.7 1.496514

473.01 2.674032

43560) 100632.7551 (2.31 Acres

87120

132680

130680

20000

17424

2576

43560) 99 12 57.6144 (2.276

87120

120184

87120

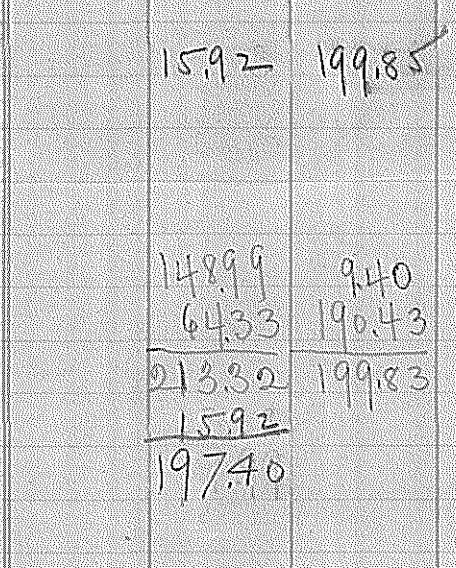
330690

304920

257700

Grant R.R. — **TRAVERSE** Subdivision 2 — 190

STA.	AZIMUTH	DISTANCE	LATITUDE N.	LATITUDE S.	DEPARTURE E.	DEPARTURE W.	CO-ORDINATE N.	CO-ORDINATE S.	CO-ORDINATE E.	CO-ORDINATE W.
		Section 4 Subdivision 2								
Begin at W¼ corner										
	S. 85° 25' 14" E	200.5		15.92	199.85					
Begin at W¼ corner										
	S. 3° 33' E	149.28		148.99	9.40					
	S. 71° 20' E.	201.00		64.33	190.43					
				213.32	199.83					
				15.92						
				197.40						
1	S 85° 25' 14" E	200.5		15.92	199.85					
2	S 00° 00' 00" —	197.40		197.40	0.0					
3	N 71° 20" 00" W	207.00	64.33			196.43				
4	N 3° 33' 00" W	149.28	148.99			9.40				
			213.32	213.32	199.85	199.83				



$\text{area } 1 = \frac{200.5 \times 149.28}{2} \times \sin 81.52' = 14815.08$

$\text{area } 2 = \frac{207 \times 197.4}{2} \times \sin 71° 20' 00"$

log 207 2.3159703
log 197.4 2.2952473
4.6112176
log 2 0.3010300
4.3101876
log sin 71° 20' 00" 9.9758316
4.2860192
19395.10

33610.10) 1716
30420
31810
30420
1390
1380
10

Chas Ritz — **TRAVERSE** Auburn Hill **190** Sheet 2

STA.	AZIMUTH	DISTANCE	LATITUDE N.	LATITUDE S.	DEPARTURE E.	DEPARTURE W.	CO-ORDINATE N.	CO-ORDINATE S.	CO-ORDINATE E.	CO-ORDINATE W.
	Calculation of Area								Auburn	
							W. Pnt.		N. —	S +
T.P.										
1	N. 6° 25' E.	95.94	95.34		10.72		10.72		1022.0448	
2	N. 84° 12' E.	591.11	59.26		588.08		609.52		3612.01552	
3	S. 33° 44' W.	229.20		190.61		127.28	1070.32			2040.13695
4	S. 2° 29' E.	216.82		216.61	9.39		953.43			2063.05
5	S. 21° 43' E.	135.66		126.03	50.20		1012.02			1275.448
6	N. 71° 20' W.	547.28	175.16			518.49	543.73		9523.8748	
T.P.	N. 3° 33' W.	203.28	202.89			12.59	12.65		2561.5585	
									13494.7.5053	5378.643
										13494.750
										2 | 40291.693
										20145.8466

43560) 201452.466 (4.625 Acres

17424

272184
261360

108246
87120

21126 0

Area N. Half of Grant 806 —

1- Cut 1.165 — 26.39
1- 27.58 — 26.53
2 54.088 — 26.46
3 80.53 — 3)79.37 ÷
26.46

11.577) 26.460 (2.28 Acres
23154
33060
23154
9906 0

Land of Kukahemlehe — **TRAVERSE** Inhulma — Nile — 190

STA.	AZIMUTH	DISTANCE	LATITUDE N.	LATITUDE S.	DEPARTURE E.	DEPARTURE W.	CO-ORDINATE N.	CO-ORDINATE S.	CO-ORDINATE E.	CO-ORDINATE W.
	See page 178 Nile Chart Book									
	Resurvey of the already Walled Island 1902									
	Beginning at iron pipe in edge of cliff at sea coast the most Southerly corner of this Island the Initials of Chief Engineer and Island No 8323 ft East 2098 ft from geographical Triangulation Station —									
I.P.							8323.0		2098.0	
1	N.71° 20'W	547.28	along bay 804 — to iron pipe at Makaredge Cart Road —							
2	N.3° 33'W.	203.28	" Cart Road to iron pipe							
3	N.6° 25'E.	95.94	" " "							
4	N.84° 12'E.	591.11	" Chart 132 — to iron pipe at edge cliff at corner							
5	S.33° 44'W.	229.20	along edge of cliff							
6	S.2° 29'E.	216.82	" "							
7	N.21° 43'E.	135.66	" " to I. P.							
			Containing an area of 47 acres —							
I.P.	continued returned to Plan						8323.0		2098.0	
1	N.71° 20'W	547.28	175.16			518.49	175.16	8498.16	1579.51	518.49
2	N.3° 33'W.	203.28	202.89			12.59	378.05	8701.05	1566.92	531.08
3	N.6° 25'E.	95.94	95.34		10.72		473.39	8796.39	1577.64	520.36
4	N.84° 12'E.	591.11	59.26		588.08		532.65		67.72	
5	S.33° 44'W.	229.20		190.61		127.28	342.04			59.56
6	S.2° 29'E.	216.82		216.61	9.39		125.43			50.17
I.P.	S.21° 43'E.	135.66		126.03	50.20			0.60	0.03	
			532.65	533.25	658.39	658.36				

1 54.20 } 54.1
2 108.42 } 54.15
3 162.57 } 2)108.37
1.577)54.185 (46308
4628
2877
2946
93080
92616
4640

4.680 Acres

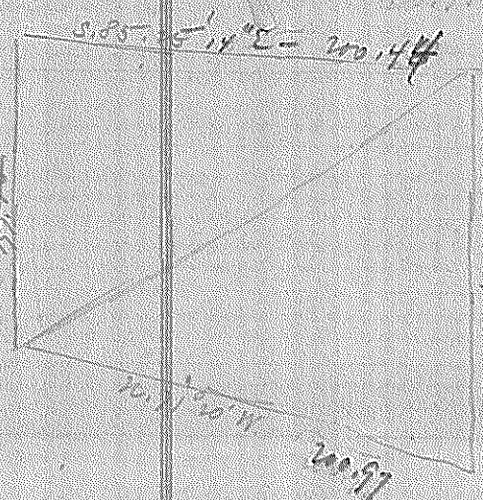
Scott 806 – Rehabilitated – Mokuleia – Hwy

TRAVERSE

STA.	AZIMUTH	DISTANCE	LATITUDE N.	LATITUDE S.	DEPARTURE E.	DEPARTURE W.	CO-ORDINATE N.	CO-ORDINATE S.	CO-ORDINATE E.	CO-ORDINATE W.	
			Condinate reductions of subdivision Initial Points								
T.B.M. #1 – chiseled K. in rock							8796.39		1575.64		
∠	6°28'–	95.94		95.34		10.72	8701.05		N68.92		
I.P.	356°27'–	54.00		53.89	3.34		8647.16		N72.26		= I.P. of S
	274°15'14"										
Condinate Initial Pt.		Subdivision # 1 and # 2.					8647.16		N72.26		
Initial Pt. # 3.				12.37	154.43		8624.79		1726.69		= I.P. of S
Condinate Initial Pt.		Subdivision # 3					8624.79		1726.69		
Initial Pt. # 4				9.39	117.47		8615.40		1843.96		
Condinate Initial Pt.		Subdivision # 4					8615.40		1843.96		
I.P. 2							8647.16		1572.26		
2 – 3	274°34'46"	206.44		15.93	199.80		8631.23		1772.06		
I.P. 3							8631.23		1772.06		
I.P. 2				12.37	154.43		8618.86		1926.49		

R. P. (Grant) For. Kachanchi

Mukuhuma. Hills



Subdivision #2

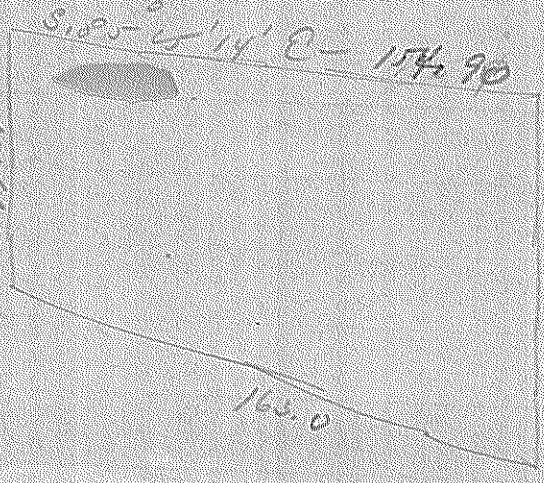
1 S 83° 45' 14" E =	200.44		16.00	199.80
2 Straight	197.31		197.31	
3 - N 7° 10' 11" =	200.97	6.32		190.40
4 N 83° 08' 19" =	145.58	148.99		9.40
		21.31	199.80	199.80

Eq. 200.44 = 2.30198844
" 145.58 = 2.1340016
4.43598860
3000.00
4.13598560
Subtract 14" 2.9256137
4.1205699 = 14810.50.

Eq. 197.31 2.2951451
" 200.97 2.3031312
4.5982803
3000.00
4.5982503
Eq. 2nd 14" 2.9765018
4.2337821 = 18781.25

3354.25 = Over Subdiv #2
3351
3.25 = Excess in over

200.97
16.00
3216.52
3354.25



Deduction = 3

S.B.S-Ex-14'C	154.92		12.37	154.43	—
2-Joist	237.11		237.11	—	—
2-Pillar	163.00	52.17	—	—	154.43
3-Unit	197.31	197.31	—	—	—
		249.48	249.48	154.43	154.43

Log. 154.92 = 2.190107
" 197.31 = 2.295491
4.485598
307.00
4.178598

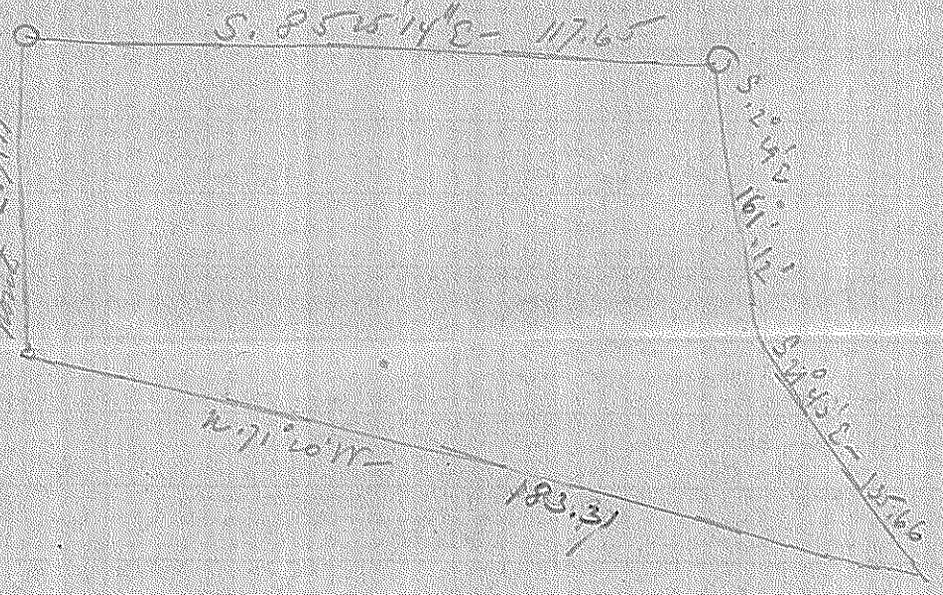
Log. 23.84 = 1.377126
4.178598 = 15230.00 D/unit

Log. 237.11 = 2.374944
" 163.00 = 2.212076
4.587020
307.00
4.280020

" Log. 2.10 = 0.322438
4.602458 = 40080.00 "
33543.00 " Exc. Outlet
6537.00
2.00 Extra Excess

Jan. 44
117.65
351.36
423.07
117.65

Subdivision #4



	N	S	E	W	D. from	D. Area n	D. Area s
1 S. 85°26'14"E - 117.65'		9.05	117.27		117.27		1101.165 3
2 S 2°45'00"E - 161.12		160.97	6.88		244.52		39360.884
3 S 21°46'00"E - 135.66		126.03	50.19		298.69		37643.900
4 N 71°20'00"W - 183.31	58.67			173.67	175.21	10279.507	
5 Knob - 237.11	237.11					27311	
	295.78	296.35	174.34	173.67		10552.680	78105.450

10552.68
2) 67552.769
33776.384

Ans 33776.38 sq ft -

4 — 33776.384
3 — 33543.000
2 — 33594.250

42560) 100913.634 (2.316
85120
137836
130680
71563
42560
280020