Notes of Survey.

Ponohawai Hilo Hawaii

According to certificate of Boundary Commission R. A. Lyons
Sept. 5th 1874

Survey by J. M. Lydgate

Magnetic Bearings.	Distances. Chains.	Links. Feet.	Remarks.
			First Pier
			Commencing at a 3x3 foot, in ft,
			of Thick in Rock & Bottle, on the North
			of an "Awaiwai" at Pelea known as Natural
			at the South East corner of Lot 1 of 978 Piece
			and pursuing then in altogether Eight accord-
			ing to the survey of it.
1. S. 44° 00' E.	29.24		To a Large Kukui tree not now standing
2. N. 60° 15' E.	58.30		" " " " " "
3. N. 36° 00' E.	12.08		To head of Alaiwaio Stream Thence
4. S. 26° 15' W.	14.55		up along Course of Ho'kuaea
5. S. 6° 15' E.	10.16		To pile of Stones on edge of water pass
6. S. 48° 28' W.	8.23		" pile of Stones and X Cut in pooh
7. S. 43° 50' W.	8.46		" " " " " "
8. S. 62° 27' W.	8.40		" " " " edge of water pass pool as more
			in bed of Stream at original Station
9.			
N. 76° 52' W.	3.56		To a hole
10. S. 61° 17' W.	28.16		To pile of Stone on South end of Island, also PK cut
			in the pooh. Thence along bed of Stream
11. S. 18° 44' W.	14.89		To a Large boulder marked PK and 11.73
12. S. 30° 35' W.	19.37 on 1275		At 970 ft. the Boundary passes 55 ft West of
			Waiola Spring. To edge of water hole below
			a Large Bunch of ginger
13. S. 0° 35' W.	20.15		To a large flat Stone on shore in bed of Stream
			marked P. and a pile of Stone on edge
14. S. 81° 15' W.	2.94		Along bed of Stream the center of which is
			the boundary between the land and Hakuna
			To P cut in pooh
15. S. 27° 30' W.	4.58		" North side of Pond
16. S. 1° 27' E.	4.52		Along bed of stream filled with boulders and
			Lined on the upper side by Hau poles, To P.
			cut in Large boulder
17. S. 28° 30' W.	3.15		Thence is a Post in North side and K in cliff
			on the other side
18. N. 68° 5' W.	5.82 on 385		(At 65 ft Pohaku Lemi a remarkable Lava
			Stone 12 ft x 4 ft Squared on two sides, on
			one of which is cut P.) To P cut in pooh
			just above "Paiki" or Jack
19. S. 88° 40' W.	4.82		To P cut in bed of stream
20. N. 79° 00' W.	6.19		" P " " "
21. S. 54° 37' W.	5.44		" Above west side of Stream a Post in ledge
22. S. 29° 35' W.	9.37		" P cut in bed of Stream
23. S. 58° 42' W.	7.81		" Above small P cut in bed of Stream
24. S. 81° 8' W.	6.26		" P. cut in bed of Stream
25. S. 48° 00' W.	10.35		" " " " " "
26. S. 7° 00' W.	2.94		" " " " " "
27. S. 76° 56' W.	7.81		" " " " " "
28. S. 54° 30' W.	3.55		" " " " " "
29. S. 2° 30' W.	5.96		" K " " cliff 30 below Station
31. S. 87° 15' W.	7.39		To a point South of Pikale Hawai
31. N. 69° 45' W.	9.79		To P cut in pooh on the trail
32. S. 20° 15' W.	10.39		" P cut in bed of stream
33. S. 62° 25' W.	4.46		" Above in " " "
34. S. 55° 30' W.	0.22		

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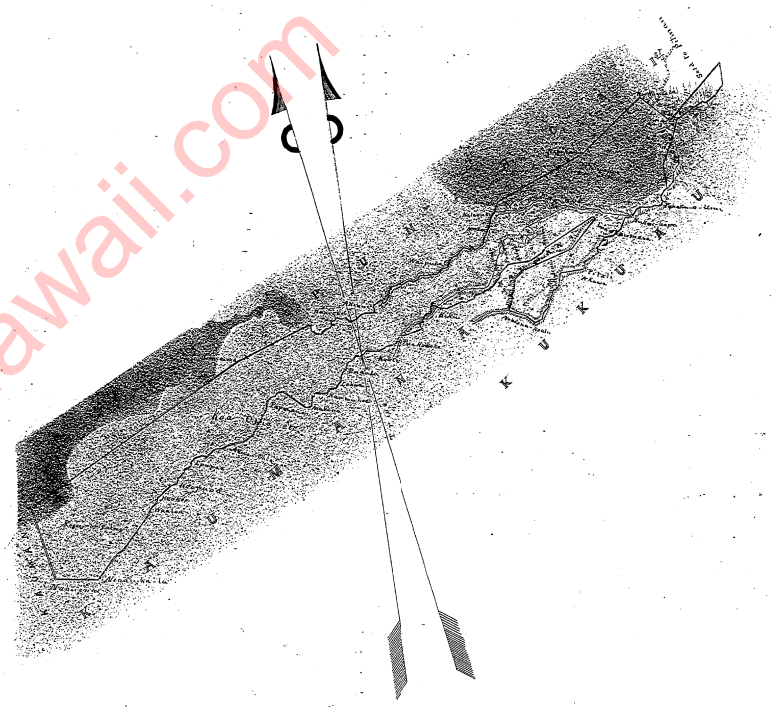
Magnetic Bearings.	Distances. Chains.	Links. Feet.	Remarks.
35. S. 22° 22' W.	12.97		To N of Iron running out into the Stream
36. S. 46° 02' W.	6.73		along bed of Stream
37. S. 29° 02' W.	4.64		" " " "
38. S. 78° 02' W.	4.61		" " " "
39. N. 50° 25' W.	8.87		To center of Log across in bed of Stream
40. N. 71° 29' W.	4.90		To fence on north side of Stream just below make-fast
41. N. 52° 26' W.	5.91		To a fast and offset stake on North bank of gulch
			at its junction with the pond. This point is
			the corner of Ponohawai Nanuea & Hakuna
42. N. 35° 46' E.	7.64		along Nanuea along fence pond
43. N. 12° 45' E.	3.46		" " " "
44. N. 31° 22' E.	2.21		" " " "
45. N. 15° 28' E.	7.94		" " " "
46. N. 52° 16' E.	10.11		" " " "
47. N. 74° 10' E.		1306	" " bearing pond To bound Stake
			3.30 E 2.66 ft of Channel of Station Line
48. S. 72° 36' E.	20.98		To junction of an imperpendicular mound N. of Log Path
49. N. 45° 30' E.	29.60		To boundary Surveyor at Corner of Nanuea
50. N. 39° 40' W.	2.27		To Post in center of fence pond 440 above
			Waiakahua gulch
51. N. 39° 40' W.	0.91		
52. S. 66° 17' W.	26.86		To Large Chestnut
53. S. 67° 07' W.	18.03		To bunch of bamboo on edge of small ravine
			also a corner of the Hakuna
54. S. 56° 00' W.	4.44		To burnt bottle and bamboo at point of
55. S. 41° 10' W.	2.13		" " " on edge of cliff
56. S. 61° 17' W.		705	To bamboo stump and bottle
57. S. 89° 48' W.	17.41		To bamboo from which an oregon
			tree N 62° 52' W 116 ft.
58. S. 50° 00' W.	11.40		To bamboo stump and bottle
59. S. 81° 20' W.	2.22		
60. S. 46° 44' W.	9.28		To bamboo stump and bottle
61. S. 76° 40' W.	5.58		
62. S. 79° 58' W.	4.54		
63. S. 43° 32' W.	3.41		To bamboo stump and bottle
64. S. 89° 30' W.	2.41		
65. S. 76° 57' W.	3.02		
66. N. 82° 58' W.	3.69		To burnt bottle and bamboo
67. S. 76° 33' W.	13.43		At 600 ft from Hakuna which is at 11.73
68. N. 81° 00' W.	5.55		
69. N. 44° 52' W.	8.14		At 139 ft cross small gulch
			from old Kauhale called Kikiki
70. N. 56° 06' W.	2.14		
71. S. 41° 24' W.	2.72		
72. S. 4° 52' W.	3.00		To edge of small gulch
73. N. 77° 37' W.	2.46		along gulch
74. S. 54° 33' W.	4.55		" Stream
75. S. 5° 12' E.	3.52		across Stream
76. S. 15° 47' W.	2.32		To ancient pond
77. S. 71° 02' W.	3.70		along " "
78. S. 75° 52' W.	2.62		" " "
79. S. 57° 22' W.	4.98		" " "
80. S. 7° 46' W.	8.94		" " "
81. N. 81° 15' W.	6.28		To bamboo on Mauka edge of
			Paukoko gulch.

Plan of Survey.



Scale 1: 26000

Map by J. M. Lydgate
Sept. 1878

Reduced and copied by
C. S. Wiltredge
June 1877

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