

# EAST MAUI IRRIGATION COMPANY, LIMITED

A SUBSIDIARY OF ALEXANDER & BALDWIN, INC.

P. O. BOX H  
PAIA, MAUI, HAWAII 96779

October 24, 1985

Mr. Stanley F. Kapustka  
District Chief  
U.S. Geological Survey, WRD  
P. O. Box 50166  
Honolulu, Hawaii 96850

Dear Mr. Kapustka:

## WATER LICENSES - WASTE WATER 1984/85

During fiscal year 1984/85 waste water period, H.C. & S. Company did not waste water to recharge the Central Maui basal ground water.

Enclosed are the following tabulations to assist you in computing the water license yields:

1. Sale of water to County of Maui from E.M.I.'s Haiku Uka watershed.
2. Water pumped into the Koolau Ditch at Nahiku by Maui Pineapple Co., Ltd.

Very truly yours,

  
Robert L. Warzecha

Manager

RLW:cg

Enclosures

Copy: State of HI DLNR  
A&B Inc  
HC&SCo  
USGS Maui

EAST MAUI IRRIGATION COMPANY, LIMITED

SALE OF WATER to DEPARTMENT OF WATER SUPPLY, County of Maui

F.Y. 1984/85  
(in M.G.D.)

<u>1984</u>	<u>Olinda Reservoir Weir</u>	<u>*Olinda Lateral</u>	<u>TOTAL @ OLINDA</u>	<u>**PIIHOLO RESERVOIR</u>
July	17.565	-	17.565	-
August	6.223	.086	6.309	15.038
September	4.023	-	4.023	-
October	8.243	.083	8.326	121.021
November	4.087	-	4.087	-
December	23.596	.018	23.614	49.385
<u>1985</u>				
January	22.360	-	22.360	18.930
February	24.809	.014	24.823	41.616
March	21.754	-	21.754	14.244
April	33.465	.027	33.492	28.915
May	26.602	0	26.602	26.278
June	28.550	.012	28.562	109.518
			<u>221.517</u>	<u>424.945</u>

\*Olinda residents

\*\*No meter, adjusted with water sales to consumers.

WATER PUMPED INTO KOOLAU DITCH @ NAHIKU

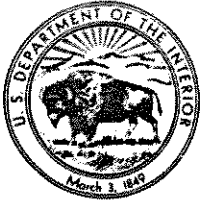
BY MAUI PINEAPPLE CO., LTD.

F.Y. 1984/85  
(in M.G.D.)

Date	1984						1985					
	July	Aug.	Sep.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June
1	0	.604	.548	.269	.411	.587	.562	.446	0	.419	.145	0
2	.434	.604	.548	.281	.624	.587	.562	.446	0	0	0	0
3	0	.610	.548	.276	.624	.558	.605	.446	0	.281	0	.538
4	0	.610	0	.261	.286	.558	.580	.457	0	.603	0	.615
5	.617	.610	.465	.459	.520	.555	.580	.457	0	.604	0	.621
6	.609	.610	0	.271	.417	.555	.580	.451	0	.604	0	.621
7	.482	.610	.565	.324	.466	.574	.547	.451	0	.603	0	.617
8	0	.443	0	.323	.452	.287	.547	.441	0	.217	0	.617
9	.419	.443	0	.297	.477	0	.528	.441	0	0	0	.617
10	.628	.565	.414	.335	.477	0	.528	.441	0	.624	0	.625
11	.615	.565	.397	.454	.477	.559	.520	.441	0	.623	0	.625
12	.615	.565	.382	.541	.549	.413	.520	.441	0	.480	0	.625
13	.624	.614	0	.429	.476	.322	.520	.555	0	.619	0	.625
14	.624	.614	.387	0	.472	.607	0	.439	0	.620	0	.586
15	.624	.546	0	.355	.472	.607	.508	.456	0	.647	0	.586
16	.620	.592	0	.248	.421	.607	.487	.456	0	.081	0	.586
17	.620	0	.343	.418	.421	.619	.487	.456	0	0	.610	.609
18	.616	0	.320	0	.421	.232	.495	.456	0	0	.153	.609
19	.616	0	.311	.450	.185	0	.495	.453	0	0	0	.609
20	.618	.494	.313	0	0	.620	.495	.448	.596	0	0	.609
21	.618	0	.308	0	.401	.566	.495	.448	.139	0	0	.591
22	.618	.266	.320	.618	.401	.566	.502	.545	0	.603	0	.591
23	.614	0	.292	.309	.401	.566	.533	.545	0	0	0	.591
24	.614	.509	.318	.614	.401	.301	.422	.545	0	0	0	.611
25	.590	.509	.317	.256	.401	0	.467	.227	0	.357	0	.612
26	.590	0	.283	.623	.429	0	.466	0	0	.621	0	.611
27	.583	.433	.327	.623	0	.623	.467	0	0	.621	0	0
28	.583	.433	.381	0	.629	.253	.466	0	0	.621	0	.285
29	.583	.604	.295	.419	.629	0	.466	==	.635	.646	0	0
30	.554	0	.274	.409	.587	.332	.492	==	.635	.646	0	0
31	.554	.548	==	.493	==	.562	.492	==	.635	==	0	==
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TOTAL	15.882		8.656		12.927		15.414		2.640		.908	
		13.001		10.355		12.616		11.388		11.140		14.832
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GRAND TOTAL ..... 129.759



# United States Department of the Interior

GEOLOGICAL SURVEY  
Water Resources Division  
P.O. Box 50166  
Honolulu, Hawaii 96850

November 6, 1985

Mr. Manabu Tagomori  
Manager-Chief Engineer  
Division of Water and Land Development  
Department of Land and Natural Resources  
P.O. Box 373  
Honolulu, Hawaii 96809

Dear Manabu:

The enclosed table shows the yield for the various East Maui licenses and the amount of water wasted to recharge the Central Maui basal ground-water body during the fiscal year June 30, 1985.

Sincerely,

Stanley F. Kapustka  
District Chief

Enclosure

cc: Mr. Richard Cox, Alexander & Baldwin, Inc.  
~~Mr. Robert W. Warren, E.M.A. Co., Ltd.~~  
Mr. George Gohara, USGS, Maui

Y.K.  
G.H.  
P.H.

EAST MAUI WATER LICENSE YIELD  
FISCAL YEAR 1984-85

MEASUREMENT POINT	LEASE	YEAR MG	TOTAL MG	YIELD MG	# WATER WASTED MG	NET AFTER WASTING			
						TOTAL MG	Gov't %	Private MG	Gov't MG
<u>Makapipi Tunnel</u>			7 848						
<u>Koolau ditch at Nahiku</u>	Nahiku	6,859	6,859	5,881	0	5,881	95.02	293	5,588
<u>Koolau ditch nr Keanae</u>	Keanae	18,571	18,571	11,712	0	11,712	79.19	2,437	9,275
<u>Haipuaena boundary</u> <u>Kula diversion flume</u> <u>Spreckels ditch</u> <u>Koolau ditch</u> <u>Haniel Luis ditch</u>	Honoumahu	173 5,473 20,060 1,889	27,595	9,024	0	9,024	47.39	4,748	4,276
<u>Honopou boundary</u> <u>Olinda water sold by E.M.I.</u> <u>to Maui County</u> <u>Lower Kula pipeline</u> <u>Piholo Reservoir</u> <u>Mailoa ditch</u> <u>New Hamakua ditch</u> <u>Lowrie ditch</u> <u>Kaiku ditch</u>	Huelo	222 425 31,461 7,389 4,420 2,693	46,610	19,015	0	19,015	64.49	6,752	12,263

7 12.6% of Koolau ditch at Nahiku less water pumped into ditch ( 6,859-130 = 6,729 mg)  
 8 Adjusted for water pumped into ditch (Maui Land & Pineapple Co. pumped 130 mg)  
 \* Water wasted to recharge Maui basal body.

Civil No. 19-1-0019-01 (JPC)

**Defendant A&B/EMI's Exhibit AB-119**

FOR IDENTIFICATION \_\_\_\_\_

RECEIVED IN EVIDENCE \_\_\_\_\_

CLERK \_\_\_\_\_