

EAST MAUI IRRIGATION COMPANY, LIMITED

A SUBSIDIARY OF ALEXANDER & BALDWIN, INC.

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

October 20, 1987

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

Dear Manabu:

WATER LICENSES - Fiscal Year 1986-87

WASTE WATER AND YIELDS: During fiscal year 1986-'87 waste water period, Hawaiian Commercial and Sugar Company did not waste any water to recharge the central Maui basal ground water.

We submit the following tables:

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

Very truly yours,



Robert L. Warzecha
Manager

GH:cg

Encls

Copy: M. J. Ching
R. F. Cameron
~~L. A. Wilkinson~~
W. Paty, Chrmn, DLNR

File - Waste wtr.

- Wtr. Lic. - Gen'l. ✓

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A SUBSIDIARY OF ALEXANDER & BALDWIN, INC.



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EAST MAUI WATER LICENSE YIELD

FISCAL YEAR 19 86-87

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>			41,202						
<u>Koolau ditch at Nahiku</u>	Nahiku	9,660	9,660	Ø8,340	0	8,340	95.02	415	7,925
<u>Koolau ditch nr Keanae</u>	Keanae	28,631	28,631	18,971	0	18,971	79.19	3,948	15,023
<u>Haipuaena boundary</u>	Honomanu			13,224	0	13,224	47.39	6,957	6,267
<u>Kula diversion Flume</u>		345	41,855						
<u>Spreckels ditch</u>		9,092							
<u>Koolau ditch</u>		30,165							
<u>Mannuel Luis ditch</u>	Huelo	2,253		33,215		33,215	64.49	11,795	21,420
<u>Honopou boundary</u>									
<u>Olinda water sold by E.M.I. to County of Maui</u>		311	75,070						
<u>Lower Kula pipeline</u>		777							
<u>Piholo Reservoir</u>									
<u>Wailoa ditch</u>		48,377							
<u>New Hamakua ditch</u>		12,455							
<u>Lowrie ditch</u>		8,356							
<u>Haiku ditch</u>		4,794							

7 12.6% of Koolau ditch at Nahiku less water pumped into ditch (9,660 - 118 = 9,542 mg)
 Ø Adjusted for water pumped into ditch (Maui Land & Pineapple Co. pumped 118 mg.)
 * Water wasted to recharge Maui basal body.

EAST MAUI IRRIGATION COMPANY, LIMITED

SALE OF WATER to DEPARTMENT OF WATER SUPPLY, COUNTY OF MAUI

FISCAL YEAR 1986/87

(in M.G.D.)

<u>1986</u>	<u>Reservoir Weir</u>	<u>Olinda Residents' Meters (2)</u>	<u>TOTAL @ OLINDA</u>	<u>PIIHOLO RESERVOIR</u>
July	31.938	-	31.938	76.180
August	18.964	.055	19.019	86.007
September	38.928*	-	38.928	83.964
October	25.141	.031	25.172	96.413
November	24.330	0	24.330	59.790
December	25.141	.020	25.161	46.184
<u>1987</u>				
January	25.141	-	25.141	44.996
February	22.708	.018	22.726	43.244
March	25.141	0	25.141	75.767
April	24.330	.049	24.379	54.636
May	25.141	0	25.141	41.989**
June	24.330	.027	24.357	67.530
		.20	<u>311.433</u>	<u>776.700</u>

*8/13/86 - Weir & recorder removed for construction of treatment plant.
Consumption estimated @ .811 mgd.

**5/20/87 - From this date, consumption estimated due to broken meter.

SEP 10 1987

WATER PUMPED INTO KOOLAU DITCH @ NAHIKU

By Maui Pineapple Co., Ltd.

FISCAL YEAR 1986/87

(in M.G.D.)

Date	1986						1987					
	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June
1	.540	.614	.614	.531	0	0	0	.580	.590	0	0	0
2	.614	.614	.591	.531	0	0	0	.587	.558	0	0	0
3	0	.614	.591	.553	0	0	0	.588	.558	0	0	.592
4	0	0	.590	.553	.606	0	0	.581	.600	0	0	.593
5	0	.553	.571	.553	.599	0	.581	.581	.600	.542	0	0
6	0	.615	.571	0	.599	0	.581	.592	.617	.589	0	0
7	0	.615	.571	0	.619	0	.607	.592	.618	.589	0	0
8	0	.612	.138	.551	.619	.392	.607	.593	.618	.590	0	0
9	0	.153	.560	.601	.077	.588	.576	.578	.525	.590	0	0
10	0	0	.561	.611	0	.601	0	.577	.526	.589	0	0
11	0	0	.561	.611	0	.175	0	.580	.567	.590	0	0
12	0	.564	.545	.611	0	0	0	.580	.567	.589	0	0
13	0	.613	.545	.609	0	0	0	.400	.539	.594	0	0
14	0	.051	.545	.609	0	0	0	.481	.539	.593	0	0
15	0	0	.539	.447	0	.554	0	.481	.539	.166	0	0
16	.198	0	.539	.619	0	.604	0	0	.565	0	0	0
17	0	0	.529	0	0	.602	0	0	.565	0	0	0
18	0	.615	.529	.520	.565	.602	0	0	.574	0	0	0
19	0	.615	.533	.624	.229	.050	0	0	.574	.503	0	0
20	0	.614	.533	0	0	.561	0	0	.583	.591	.586	0
21	.614	.614	.533	.576	.622	.561	0	0	.583	.590	.586	0
22	.614	.617	.552	.619	.622	.606	.526	0	.583	.365	.586	0
23	.095	.617	.551	.618	.622	.606	.529	.490	.553	.583	.586	0
24	0	.617	.569	.610	.608	.606	.530	.490	.553	.592	0	0
25	.562	.618	.569	.609	.608	.606	.199	.537	.561	.592	0	0
26	.614	.618	.547	.203	.606	.606	0	.537	.561	.247	0	0
27	.613	.619	.547	0	.606	.606	0	.590	0	0	0	0
28	.615	.619	.546	0	.050	.606	.577	.590	0	0	0	0
29	.615	.614	.564	.579	0	.606	.576	----	.411	0	0	0
30	.612	.614	.525	.578	0	0	.580	----	.538	0	0	0
31	.612	.614	----	.590	----	0	.580	----	.342	----	0	----
	6.918		16.259		8.257		7.049		16.107		2.344	
	=====	14.243	=====	14.116	=====	10.138	=====	11.605	=====	10.084	=====	1.185

GRAND TOTAL 118.305

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

Defendant A&B/EMI's Exhibit AB-121

FOR IDENTIFICATION _____

RECEIVED IN EVIDENCE _____

CLERK _____