

SUMMARY - RULES & REGULATIONS.

1. IRRIGATION WATER:

- (A) Unit price per million gallons based on the following factors, each settler to pay for water actually used only.
- (1) 6% on cost of plant complete - total investment.
 - (2) Depreciation on flume - 5%
 - (3) Depreciation on Reservoir - concrete - 2%
 - (4) Depreciation on Pumping plant - 10%
 - (5) Actual cost of operation - labor - fuel - oil
- (B) DISTRIBUTION OF WATER:

By weir measurement

Settlements to be made April 15 - for the 3 mo. period ending Mar. 31 - July for the 3 mo. period ending June 30 - Oct. 15 for the period ending Sept. 30 - Jan. 15 for the 3 mo. period ending Dec. 31.

All applications for water for irrigation purposes must be made to Superintendent 24 hours in advance.

Time of irrigation (no. of hours per day) to be definitely designated.

2. DOMESTIC WATER:

- (A) Cost per year \$12.00 payable semi-annually in advance subject to adjustment when conditions warrant.
- (B) The Hawaiian Homes Commission undertakes to lay the main to the boundary of each lot. The homesteader makes a 1/2 inch pipe connection to this main.
- (C) On account of the fluctuating supply from the present source, the homesteader must abide by any and all rules and regulations which may be made governing the use of water.
- (D) Leakage of taps and connections, unless attended to by the homesteader, will be handled by the Commission and charged to the homesteader.

3. HOUSE AND BUILDINGS:

- (A) The Hawaiian Homes Commission furnishes sets of plans and specifications for houses which have been approved by the Board of Health. Any other plans, or alterations to the above plans, must be submitted to the Board of Health for their approval before construction may be started.

- (B) The construction of all out buildings must comply with the rules and regulations of the Board of Health.
- (C) Temporary housing in tents, or temporary quarters, is permissible for a short period pending construction of permanent building.

4. FENCING:

- (A) All "A" lots must be fenced immediately.
- (B) All fences must be standard. Materials, 32" woven wire and two strands smooth wire, not less than No. 7 gauge.
- (C) Posts to be not more than 20 feet apart and not less than 4 inches diameter.
- (D) All poultry and other livestock must be suitably confined to prevent damage to cultivated areas.

5. LIVE STOCK:

Realizing the benefit in marketing uniform products, the Commission deems it advisable that one breed of beef cattle be adopted for use throughout the settlement on Molokai; one breed of dairy cows; one breed of pigs (hogs); one breed of poultry for egg production and one breed for dual purpose (table use and egg production).

To the best of our knowledge, Western Molokai has never had cattle condemned for tuberculosis, fluke or other cattle diseases. There has never been any hog cholera, or serious disease among poultry. It is therefore deemed advisable that all shipments of livestock and poultry be under the strict supervision of the Board of Agriculture and Forestry, according to their rules and regulations.

The use of community pastures shall be under the direct control of the Hawaiian Homes Commission, which may adopt rules from time to time as to the number of head, the registering of brands and ear marks, the time for rounding up and branding; shall have full control of sires and may require undesirable males to be castrated. In case of extreme shortage of pasture or the imminent lack of suitable stock feed, all persons utilizing community pastures may be required to remove or market stock to the amount pro rated by the commission. In case of injury to any animal, the commission may cause the same to be slaughtered for humane reasons.

STOCK - SUMMARY.

1. Definite breeds must be maintained. All sires to be pure bred.
2. Animals with infectious diseases, and seriously injured animals will be condemned and slaughtered.
3. Sick and injured animals must be reported immediately to the Superintendent.
6. PLANTS AND OBNOXIOUS WEEDS:
 - (A) It is recommended that all seed be purchased through the Commission.
 - (B) The direct importation of all plants and slips from other Islands is prohibited, unless complying with the rules and regulations of the Board of Agriculture and Forestry. All such importations must be submitted to the Superintendent for inspection and approval.
 - (C) All cultivated areas, ditches, fences and roadways must be kept free of weeds.
 - (D) Obnoxious weeds, being a menace to all, must be removed on order from the Superintendent. In case such orders are not complied with, the Commission shall remove same and charge the cost of such removal against the homesteader or his crop.

Adopted at the Fifty First regular meeting of the Hawaiian Homes Commission, held at the Executive Building, September 19, 1922.

Executive Officer and Secretary

HAWAIIAN HOMES COMMISSION

MOLOKAI.

Recap. on Weir Measurements of Waihanau
and Kahapakai Streams, Island of Molokai, Territory
of Hawaii.

| Waihanau Stream | Min. | Maxim. | Average |
|-----------------|-----------|-----------|-----------|
| January | 1,939,500 | 4,951,000 | 3,445,250 |
| February | 578,070 | 4,529,700 | 2,114,190 |
| March | 278,500 | 6,990,700 | 2,178,623 |
| April | 102,110 | 608,130 | 303,005 |
| May | 72,290 | 527,350 | 299,820 |
| June | 47,501 | 278,590 | 136,054 |
| July | 102,110 | 425,890 | 236,426 |
| August | 25,851 | 1,860,600 | 688,760 |
| September | 25,851 | 73,029 | 43,483 |
| October | 25,851 | 2,020,300 | 174,652 |
| November | 47,501 | 1,062,500 | 429,628 |
| December | 25,851 | 1,062,500 | 233,624 |

| Kahapakai Stream | Min. | Maxim. | Average. |
|------------------|---------|-----------|----------|
| January | 154,460 | 568,070 | 347,263 |
| February | 141,400 | 685,050 | 296,374 |
| March | 104,050 | 1,071,500 | 413,323 |
| April | 33,228 | 987,872 | 117,384 |
| May | 13,579 | 81,430 | 35,535 |
| June | dry | 13,579 | 1,857 |
| July | " | 6,443 | 1,912 |
| August | " | 33,218 | 6,267 |
| September | " | 11,827 | 2,103 |
| October | 2,281 | 1,071,500 | 73,125 |
| November | 11,827 | 71,089 | 46,626 |
| December | dry | 50,926 | 13,375 |

Rainfall-Inches

6.0
3.0
4.6

HAWAIIAN HOMES COMMISSION

MOLOKAI.

2400 ft. elevation

| January | Rainfall-Inches |
|-----------|-----------------|
| February | 6.0 |
| March | 3.0 |
| April | 4.6 |
| May | 1.0 |
| June | 1.8 |
| July | 1.1 |
| August | 0.9 |
| September | 0.8 |
| October | 0.5 |
| November | 1.1 |
| December | 4.2 |

| | |
|-------|------|
| Total | 27.4 |
|-------|------|

HAWAIIAN HOMES LANDS
MOLOKAI

DOMESTIC WATER

Waihanau to Elevation 1400 ft.

| | | | | |
|------------------------|------------|---|------|------------------|
| Waihanau tunnels | 2700 ft. | @ | 8.00 | 21,600.00 |
| Cross cuts | 80 ft. | " | 8.00 | 640.00 |
| Intake and Gate | | | | 800.00 |
| 5" Wood Pipe | 3600 ft. | " | .50 | 1,800.00 |
| Installation & freight | | | | 900.00 |
| 4" Galv. Pipe | 14,000 ft. | " | .65 | 9,100.00 |
| Installation & freight | | | | 1,400.00 |
| | | | | <u>38,240.00</u> |

Elevation 1400 ft. to Kalamaula

| | | | | |
|------------------------|------------|---|-----|------------------|
| 2" Galv. Pipe | 20,000 ft. | @ | .20 | 4,000.00 |
| Installation & freight | | | | 600.00 |
| 1½" Pipe | 6,000 ft. | " | .15 | 900.00 |
| Installation & freight | | | | 300.00 |
| Distribution Pipes | | | | 10,000.00 |
| Two 10,000 gal. Tanks | | | | 800.00 |
| | | | | <u>16,600.00</u> |

Already Installed

| | | | | |
|------------------------|-----------|---|-----------------|-----------------|
| 2" Pipes | 7,000 ft. | @ | 1,400.00 | |
| Installation & freight | | | 200.00 | |
| 6½" Pipe | 6,000 ft. | | 1,200.00 | |
| Two Tanks | | | 800.00 | |
| Distribution | | | 1,500.00 | <u>5,100.00</u> |
| | | | <u>5,100.00</u> | |

Elevation 1400 ft. to Hoolehua and Palau

| | | | | |
|-----------------------------------|------------|---|-----|------------------|
| 4" Galv. Pipe | 15,000 ft. | @ | .65 | 9,750.00 |
| Installation & freight | | | | 1,500.00 |
| 3" Galv. Pipe | 45,000 ft. | " | .45 | 20,250.00 |
| 2" Galv. Pipe | 9,000 ft. | " | .20 | 1,800.00 |
| Installation & Freight | | | | 400.00 |
| 1½" Galv. Pipe | 7,000 ft. | " | .15 | 1,050.00 |
| Installation & freight | | | | 300.00 |
| | | | | <u>35,050.00</u> |
| Distribution system - Small Pipes | | | | 10,000.00 |
| Tanks etc. | | | | 2,500.00 |
| | | | | <u>47,550.00</u> |

Kamililoa - 40,000 Gal.

| | | | | |
|-----------------------|--------------|-----|----|-----------------|
| 2" Pipe | 5000 ft. @ | .20 | \$ | 1,000.00 |
| Installation & frt. | | | | 250.00 |
| 1 1/2" Pipe | 20,000 ft. " | .15 | | 3,000.00 |
| Installation & frt. | | | | 600.00 |
| Tanks & smaller pipes | | | | 2,000.00 |
| | | | | <u>6,850.00</u> |

S U M M A R Y

| | |
|--|-------------------|
| Waihanau to 1400 Elevation | 36,240.00 |
| Elevation 1400 to Kalamaula | 11,500.00 |
| Elevation 1400 to Hoolehua & Palaa | 47,550.00 |
| Kamililoa | 6,850.00 |
| | <u>102,140.00</u> |
| Reservoir - Waihanau | 12,000.00 |
| Water distribution & flume lower Palaa | 30,000.00 |
| | <u>144,140.00</u> |
| Roads at Kalamaula | 25,000.00 |
| | <u>169,140.00</u> |