

Form 9-1503  
(Feb. 1962)

*Douglas I., 6/79*

U.S. DEPARTMENT OF INTERIOR  
GEOLOGICAL SURVEY

1906000

Basin Index \_\_\_\_\_

WATERPOWER OF THE UNITED STATES

State Alaska Stream Treadwell Ditch Site Treadwell Ditch 2592

County _____ Mer. _____ T. _____ R. _____ Sec. _____ Lat. <u>58 ° 18 ' "</u> Long. <u>134 ° 32 ' "</u> Miles above mouth _____ Drainage Area <u>13</u> <sup>13.2</sup> <sub>14.4</sub> sq. mi. <u>34</u> sq. km	Owner _____ Constructed _____ Storage <u>None</u> af _____ m <sup>3</sup> Installed capacity _____ mw Installable capacity _____ mw
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FLOW			ELEVATIONS				HEAD		THEORETICAL POWER mw-100% Eff.	ESTIMATED AVERAGE ANNUAL GENERATION mwh
Percent duration	cfs	m <sup>3</sup> /sec	Forebay		Tailrace		Gross			
			ft.	m	ft.	m	ft.	m		
95	13	0.4	560	170.7	34		516	157.3	0.57	
50	72	2.0					526		3.16	
mean	80 ✓	2.3					430		3.51	24,570

Remarks:

*Power Development  
1 & 2  
See Waterpowers of SE Alaska, FPC&USFS, 1947*

Prepared by GCG Date \_\_\_\_\_

*Douglas Island*

WATERPOWER OF THE UNITED STATES

State Alaska Stream Treadwell Ditch Site Treadwell Ditch

County \_\_\_\_\_ Owner \_\_\_\_\_

Mer. \_\_\_\_\_ T. \_\_\_\_\_ R. \_\_\_\_\_ Sec. \_\_\_\_\_ Constructed \_\_\_\_\_

Lat. 58° 18' " Long. 134° 32' " Storage None of \_\_\_\_\_ m<sup>3</sup>

Miles above mouth \_\_\_\_\_ Installed capacity \_\_\_\_\_ mw

Drainage Area 13 sq. mi. 34 sq. km Installable capacity \_\_\_\_\_ mw

*04386*

FLOW			ELEVATIONS				HEAD		THEORETICAL POWER mw-100% Eff.	ESTIMATED AVERAGE ANNUAL GENERATION mwh
Percent duration	cfs	m <sup>3</sup> /sec	Forebay		Tailrace		Gross			
			ft.	m	ft.	m	ft.	m		
95	<u>13</u>	<u>.4</u>	<u>560</u>	<u>170.7</u>			<u>516</u>	<u>157.3</u>	<u>1.570</u>	
50	<u>72</u>	<u>2.0</u>							<u>3.16</u>	
mean	<u>80</u>	<u>2.3</u>							<u>3.51</u>	<u>24,570</u>

Remarks:

*no storage  
Ditch*

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U. S. DEPARTMENT OF INTERIOR  
GEOLOGICAL SURVEY

Basin Index \_\_\_\_\_

WATERPOWER OF THE UNITED STATES

State Alaska Stream Treadwell Ditch Site Treadwell Ditch

County First Judicial Division Owner \_\_\_\_\_

Mer. \_\_\_\_\_ T. \_\_\_\_\_ R. \_\_\_\_\_ Sec. \_\_\_\_\_ Constructed \_\_\_\_\_

Lat. 58 ° 18.3' N " Long. 134 ° 31.6' W " Storage \_\_\_\_\_ af \_\_\_\_\_ m<sup>3</sup>

Miles above mouth \_\_\_\_\_ Installed capacity \_\_\_\_\_ mw

Drainage Area 13.2 sq. mi. \_\_\_\_\_ sq. km Installable capacity \_\_\_\_\_ mw

FLOW			ELEVATIONS				HEAD		THEORETICAL POWER mw-100 % Eff.	ESTIMATED AVERAGE ANNUAL GENERATION mwh
Percent duration	cfs	m <sup>3</sup> /sec	Forebay		Tailrace		Gross			
			ft.	m	ft.	m	ft.	m		
95	13		560		44		516		570	
50	72								3158	
mean	80								3509	

Remarks:

Prepared by \_\_\_\_\_ Date \_\_\_\_\_