

# WATERPOWER OF THE UNITED STATES

State Alaska Stream Orchard Lake Site Orchard Lake 2592

---

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

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

Lat. 55 °49.5 'N " Long. 131 °28.4 'W " Storage 100,000 of 123,349,000 m<sup>3</sup>

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

Drainage Area 59 sq. mi. 152.81 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	92	2.6	200	61.1			200	61.1	1.56	
50	520	14.7							8.84	
mean	573	16.2							9.74	68,180

Remarks: **Revillagedgedo Island - Ketchikan D-5**

See FPP'S Nos. 40, 93, 94, 758 & 769  
See "Water Powers of SE Alaska" USFS report to FPC, Dec. 1929, pg 29-33

WATERPOWER OF THE UNITED STATES

State Alaska Stream Orchard Lake Site Orchard Lake

County First Judicial Division Owner \_\_\_\_\_  
 Mer. \_\_\_\_\_ T. \_\_\_\_\_ R. \_\_\_\_\_ Sec. \_\_\_\_\_  
 Lat. 55 ° 49.5' N " Long. 131 ° 28.4' W. " Constructed 123,349,000  
 Storage 100,000 of 23,349. m<sup>3</sup>  
 Miles above mouth \_\_\_\_\_ Installed capacity \_\_\_\_\_ mw  
 Drainage Area 59 sq. mi. 152.81 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	92	2.6	200	61.1			200	61.1	1564.57	
50	520	14.7							8840	
mean	573	16.2							9741	68,180

Remarks:

Kitchikan D-5