

Gukkwān Island

WATERPOWER OF THE UNITED STATES

State Alaska Stream Sukkwān Lake Site Sukkwān Lake 2592

County <u>First Judicial Division</u>				Owner _____	
Mer. _____ T. _____ R. _____ Sec. _____	Constructed _____			Storage <u>9,000</u> of <u>11,101,410</u> m ³	
Lat. <u>55 ° 01.6 ' N</u> " Long. <u>132 ° 47 ' W.</u> "	Installed capacity _____ mw			Installable capacity _____ mw	
Miles above mouth _____	Drainage Area <u>7.0</u> sq. mi. <u>18.1</u> sq. km				

FLOW			ELEVATIONS				HEAD		THEORETICAL POWER mw-100% Eff.	ESTIMATED AVERAGE ANNUAL GENERATION mwh
Percent duration	cfs	m ³ /sec	Forebay		Tailrace		Gross			
			ft.	m	ft.	m	ft.	m		
95	<u>9</u>	<u>0.3</u>	<u>400</u>	<u>121.9</u>	<u>0</u>	<u>-</u>	<u>400</u>	<u>121.9</u>	<u>0.30</u>	
50	<u>37</u>	<u>1.0</u>							<u>1.26</u>	
mean	<u>46</u>	<u>1.3</u>							<u>1.57</u>	<u>1,099</u>

Remarks:

Craig A-3

Form 9-1503
(Feb. 1962)

Sukkwan Lake

U. S. DEPARTMENT OF INTERIOR
GEOLOGICAL SURVEY

Basin Index 687

13-CD

WATERPOWER OF THE UNITED STATES

State Alaska Stream Sukkwan Lake Site Sukkwan Lake

County First Judicial Division Owner _____
 Mer. _____ T. _____ R. _____ Sec. _____
 Lat. 55 ° 01.6' N " Long. 132 ° 47 ' W " Constructed _____
 Storage 9,000 af 2,101.41 m³
 Miles above mouth _____ Installed capacity _____ mw
 Drainage Area 107 sq. mi. 18.1 sq. km Installable capacity _____ mw

FLOW			ELEVATIONS				HEAD		THEORETICAL POWER mw-100% Eff.	ESTIMATED AVERAGE ANNUAL GENERATION mwh
Percent duration	cfs	m ³ /sec	Forebay		Tailrace		Gross			
			ft.	m	ft.	m	ft.	m		
95	9	.3	350	<i>121.9</i>	0	—	350	<i>121.9</i>	268.27	
50	37	<i>1.0</i>	450				450		1101	
mean	46	<i>1.3</i>							1368.137	<i>1,099</i>

Remarks:

*0.30
1.26
1.57*

Prepared by _____ Date _____

Craig A-3