

Form 9-1503
(Feb. 1962)

U.S. DEPARTMENT OF INTERIOR
GEOLOGICAL SURVEY

Site No 19050002-4

193 ✓

Basin Index 14 JB

WATERPOWER OF THE UNITED STATES

State Alaska Stream Susitna River Site Devil's Canyon 2592

County _____	Owner _____
Mer. <u>Seward</u> T. <u>32 N</u> R. <u>1 E</u> Sec. <u>32</u>	Constructed _____
Lat. <u>62 ° 49</u> ' " Long. <u>149 ° 19</u> ' "	Storage <u>465,000</u> af <u>573,572,850</u> m ³
Miles above mouth <u>134</u>	Installed capacity _____ mwh
Drainage Area <u>5810</u> sq. mi. <u>15047.9</u> sq. km	Installable capacity _____ mwh

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	766	21.7	1410	429.8	1010	307.8	400	121.9	26.04	
50	3290	93.2							111.86	
mean	9260	262.2							314.84	2,203,880

Remarks: **Talkeetna Mtns. D-5**

Susitna F by Kenner

1977 USCF = D.C. = 610' thin arch

1968 Alaska Power Administration No. 45

Prepared by _____ GCG _____ Date _____

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GEOLOGICAL SURVEY

Basin Index 193 178

WATERPOWER OF THE UNITED STATES

State Alaska Stream Devil's Canyon Site Susitna River 14-JB

County _____ Owner _____
 Mer. _____ T. _____ R. _____ Sec. _____ Constructed _____
 Lat. 62 ° 49 ' " Long. 149 ° 19 ' " Storage 465,000 of 573,572,850 m³
 Miles above mouth _____ Installed capacity _____ mw
 Drainage Area 5810 sq.mi. 17139.5 sq. km Installable capacity _____ mw

31.0

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	766	21.7	1410	429.8	1010	307.8	400	121.9	26,044	
50	3290	93.2							111,860	
mean	9260	262.2							314,840	2,263,880

Remarks:

Prepared by _____ Date _____

Talkeetna Entry P. 5