

19060000

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WATERPOWER OF THE UNITED STATES

State Alaska Stream Reflection Lake Site Short Creek

County First Judicial Division Owner _____
 Mer. _____ T. _____ R. _____ Sec. _____ Constructed _____
 Lat. 56 ° 00 ' N " Long. 131 ° 31.5 ' " Storage 53,000 af 65,374,970 m³
 Miles above mouth _____ Installed capacity _____ mw
 Drainage Area 19 sq.mi. 49.21 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	20	0.6	325	99.1	0		325	99.1	0.55	
50	200	5.7							5.52	
mean	216	6.1							5.97	41,790

Remarks: **Bradfield Canal A-5**

WPSA 1947

Lake US 271

4.5 dam at outlet

Bradfield's on AS-

US Lake 293

How high can you raise
Lake?

PSC 192 lands within 1/4 mile of Reflection Lake

└ └ └ └ └ Short Creek
└ └ └ └ └ E.F. Short Creek mile 0-1.5

Dimension box. ↑

2123

13-DC

WATERPOWER OF THE UNITED STATES

State Alaska Stream Short Creek *Reflection Lake* Site Short Creek 2592

County <u>First Judicial Division</u>				Owner _____			
Mer. _____ T. _____ R. _____		Sec. _____		Constructed _____			
Lat. <u>56</u> ° <u>00</u> 'N "		Long. <u>130</u> ° <u>51</u> 'W "		Storage <u>53.000</u> af <u>65,374,970</u> m ³			
Miles above mouth _____ <u>131° 31.5</u>				Installed capacity _____ mw			
Drainage Area <u>19</u> sq.mi. <u>49.21</u> 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	20	1.6	895	272.8	5	1.5	890	272.8	1513	
50	200	15.7	325	99.1	0		325		15130	
mean	216	6.1							16340	41,790

Remarks:

0.55
5.52
5.97

Brookfield Canal A 5