

WATERPOWER OF THE UNITED STATES

State Alaska Stream Happy River Site Happy 2592

County _____ Owner _____
 Mer. Seward! T. 22 N., R. 17 W. Sec. 15 Constructed _____
 Lat. _____ " Long. _____ " Storage 60,000 af _____ m³
 Miles above mouth _____ Installed capacity Q₅₀ = 2.8 mw
 Drainage Area 350 sq.mi. _____ sq. km Installable capacity _____ mw

W.S. Elev = 900' Dam 200'

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	25		1100		870		230	489		
50	145							2835		
mean	552 =	<u>400,000 ac-ft/yr</u>						10792		

Remarks:
 See "House Document 34," 85th Congress 1st Session, pg 111, 123
 See "HEARINGS," 86th Congress 2nd Session, 1961 pg 191.

Ratio. $552/145 = 3.8$

TYONEK (D-7), ALASKA

Prepared by TK Date 8/78
510 ? ?
12/78