

Site No. 19050002-142 TK
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UNDEVELOPED HYDROELECTRIC SITE

State ALASKA County _____ Site MILNDROW
Location Sec. 32, T22S, R11W FAIRBANKS Meridian Stream CHULITNA River
Planned by (date) USGS?
Reference PSC 406, Special Map 26 Date 1990
Quadrangle coverage TALKEETNA Mtns (D-6) ALASKA
Land: Public _____ Private _____ Use: P, I, FC, MI, R

ws alt = 1200'	$Q_{50} = 13.9 \text{ MW}$
Dam: Height <u>200 feet</u> Length <u>800 feet</u>	Undeveloped capacity <u>55.057 mw theoretical</u>
Normal pool altitude <u>1400 feet</u>	Percent efficiency _____
Reservoir area _____	Annual generation _____
Storage capacity _____	Plant factor _____
Drainage area <u>951.45 square miles</u>	Mean flow <u>3238.63 cfs = 2,344,770 acft/yr.</u>
Gross head <u>200' at site</u>	Period of record <u>14 yrs (1975) gage 15292400, gage ratio</u>

Remarks: Runoff by comparison with gage 15292400 is probably too high because of large glaciers in the basin—comparison with gage 15292700 would be better. About 2.5 cfs/sq mi seems more appropriate.

$$Q_{\text{mean}} = 2380 \text{ cfs (1,720,000 acft/yr)}$$

$$Q_{50} = 2380 / 2.9 = 820 \text{ cfs}$$

Prepared by TK Date 12/78SR012/78