

Form 9-1503
(Feb. 1962)

U.S. DEPARTMENT OF INTERIOR
GEOLOGICAL SURVEY

19040002

Basin Index 14 F B

NUSKOGAK

WATERPOWER OF THE UNITED STATES

State Alaska Stream Nuyakuk River Site Tikchik Lakes

County _____	Owner _____
Mer. _____ T. _____ R. _____ Sec. _____	Constructed _____
Lat. <u>59 ° 49 ' 00 "</u> Long. <u>158 ° 49 ' 40 "</u>	Storage <u>1,560,000</u> af <u>1,924,244,400</u> m ³
Miles above mouth _____	Installed capacity _____ mw
Drainage Area <u>1,486</u> sq.mi. <u>3848.7</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	<u>398</u>	<u>11.27</u>	<u>342</u>	<u>104.2</u>	<u>182</u>	<u>55.5</u>	<u>160</u>	<u>48.8</u>	<u>5.42</u>	
50	<u>2850</u>	<u>80.70</u>							<u>38.70</u>	
mean	<u>4116</u>	<u>116.55</u>							<u>56.00</u>	

Remarks: **Flow diverted to powerhouse on Kulik Lake**
Dillingham D-6

Prepared by GCG Date _____

14-FB

WATERPOWER OF THE UNITED STATES

State Alaska Stream Nuyakuk River Site Tikchik Lakes

County _____ Owner _____
 Mer. _____ T. _____ R. _____ Sec. _____ Constructed _____
 Lat. 59° 49' 00" Long. 158° 49' 40" Storage 1,560,000 of 1,924,244,400 m³
 Miles above mouth _____ 3849.7 Installed capacity _____ mw
 Drainage Area 1486 sq.mi. 4383.7 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	<u>398</u> 1360		342	<u>104.2</u>	182	<u>55.5</u>	160	<u>48.8</u>	<u>18,496.5</u> 42	
50	<u>2850</u> 3854								<u>52,414.38</u> 70	
mean	<u>4116</u> 5701	<u>161.9</u>							<u>27,534.56</u> 00	

Remarks: flow diverted to powerhouse on Kulik Lake.

Dillingham D-6