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FILE NO. WW-1521-HG3-MA
3103

February 19, 1976

Mr. James D. Dwyer
Superintendent,
Electric Department
City and Borough of Sitka
Post Office Box 79
Sitka, Alaska 99835

Dear Jim:

Subject: Blue Lake Project
Fish Release Valve

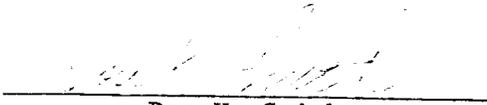
Transmitted herewith are three prints of a discharge rating curve for the 14-inch butterfly valve presently installed at the penstock crossing for fish water releases. The curves assume rated flow in the conduit for the turbines and 70 cfs flow to the mill.

Note that curves relate discharge to reservoir elevation and valve opening by turns of the operating handwheel from the full open position. We have set the curve up in this manner to minimize the need to move the valve to the full closed position. As indicated previously the full closed position should be avoided to minimize the load on the valve. Whenever it is necessary to shut off the flow completely, the 18-inch gate valve should be used.

We trust these curves will meet your needs. I will be happy to go over them with you when I come up next week, if necessary. Incidentally, we have no record of receiving Dick Amerman's letter of January 6, 1976. It was either not received or was inadvertently misplaced.

Very truly yours,

R. W. BECK AND ASSOCIATES

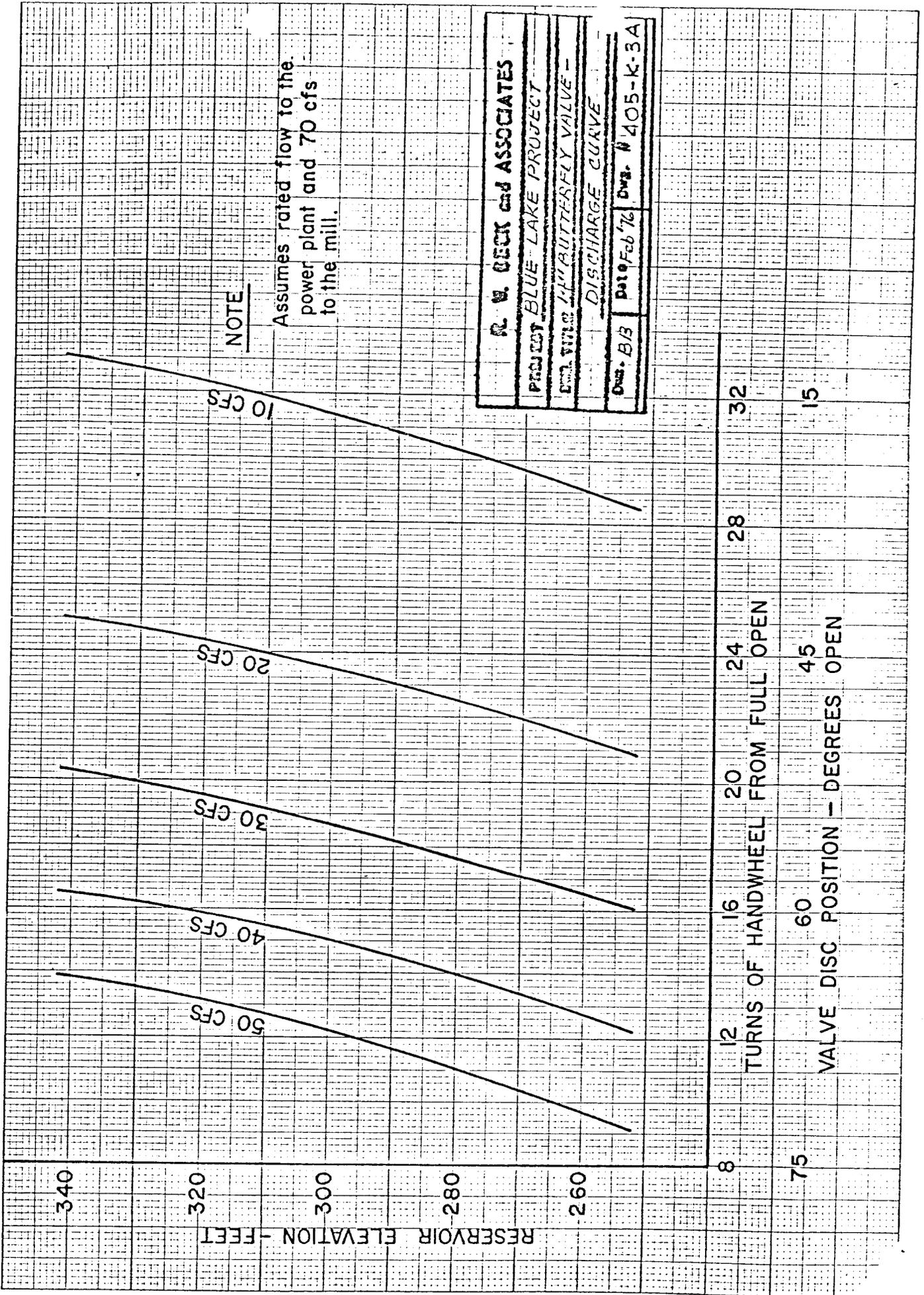


Don K. Smith
Principal Engineer

DKS/cg

Enclosures

To: S. Robards
ADF+G



8
12
16
20
24
28
32

75
60
45
15

TURN OF HANDWHEEL FROM FULL OPEN

VALVE DISC POSITION - DEGREES OPEN

340
320
300
280
260

RESERVOIR ELEVATION - FEET