

PLEASE ADDRESS YOUR REPLY TO
THE DISTRICT CHIEF ENGINEER
DOMINION WATER POWER BRANCH
249 HASTINGS STREET, E.
VANCOUVER, B.C.

[logo]

PLEASE REFER TO ONE SUBJECT IN A
LETTER, AND IN YOUR REPLY QUOTE
FILE NO.

DEPARTMENT OF THE INTERIOR
CANADA

DOMINION WATER POWER BRANCH

VANCOUVER, B.C., July 24th, 1920.

Sir, -

Progress report of Indians Water Rights
Investigations and construction of works for
quarter ending 30th June, 1920.

The work of Mr. Balls party has included the
reserves on both sides of the Thompson valley in the
vicinity of Spences Bridge. Following the Nicola Valley
from this point, reserves were covered throughout the
Nicola district with the exception of a few reserves
regarding which the Board of Investigation have intimated
that, no further information is required. The remainder
of the Reserves in the Kamloops Agency, situated along
the Shuswap and Adams Lakes, will be covered alter in the
season after field work has been completed in the Okanagan
Agency. Following is a list of reserves on which field
investigations have been made this season.

Cooks Ferry	No. 3	-	Shawniken I.R.
"	"	No. 5	- Chuckhriaschin I.R.
"	"	No. 5A	- " "
"	"	No. 6	- Nicoelton I.R.
"	"	No. 6	- Inspection - Blue Earth Lake - storage
"	"	No. 7	- Kloklowuck I.R.
"	"	No. 10	- Pemynoos I.R.
Nicomen	No. 9	-	Skeikut I.R.
"	"	No. 10	- Squianny I.R.
"	"	No. 11	- Enhalt I.R.
"	"	No. 12	- Skaynaneichst I.R.
"	"	No. 13	- Naykikoulth I.R.

[Citation notes] Indian Affairs. (RG 10, Volume 3660, File 9755-4)

Nicola (Lower)	No. 8	-	Speous I.R.	
"	"	No. 9	-	Nooaitch Grass I.R.
"	"	No. 10	-	Nooaitch I.R.
"	"	No. 11	-	Shackan I.R.
"	"	No. 12	-	Soldatquo I.R.
"	"	No. 13	-	Papsilqua I.R.
"	"	No. 1	-	Nicola Mameet
"	"	No. 3	-	Pipseul
"	"	No. 2	-	Joeyaska
"	"	No. 4	-	Zoht No. 1
"	"	No. 5	-	Zoht No. 2
"	"	No. 6	-	Logans
"	"	No. 7	-	Hamilton Creek

Nicola (Upper) No. 1 - Nicola Lake

"	"	No. 3	-	Douglas Lake
				Inspection - Glimpse Lake - storage
"	"	No. 4	-	Spahomin Creek
"	"	No. 5	-	Chapperon Lake
"	"	No. 8	-	Spahomin Creek

Coldwater No. 3 - Meadow I.R.

During April and May, Mr. Phillips supervised the construction of the Cayoosh - Copeland joint ditch, the joint portion being completed May 14th and the Paynter portion May 31st, with water running to Copeland Ranch on that date. The unseasonable weather in the early part of April with snow and cold approaching to zero temperature, made the excavating more expensive than was expected and another delay was caused by the difficulty in securing lumber for the flumes owing to which it was necessary to pay off the Indians on 14th April and re-engage them on April 20th.

On May 20th Mr. G.B.W.Nelson assistant and foreman interpreter, left Lillooet for Alkali Lake with camp equipment to meet the Indians as had been previously arranged.

The early part of June was taken up with removing the timbers of the Indian dam at Alkali Lake, excavating through the earthwork of dam for pipe, hauling sand and gravel, sawing and hauling lumber for platform and gate tower.

Up to

Up to the end of June 75% of the earthwrok was in place, pipe laid complete, with headgates set and water run-

[Citation notes] Indian Affairs. (RG 10, Volume 3660, File 9755-4)

ning through pipe. The water was kept running continuously through the Indians sluiceway which caused no interference with the irrigation, and part of the creek was diverted around the dam in a ditch, some of the water being used for the puddle core wall and the remainder returned to the creek again below the dam.

After Mr. Phillips set out the necessary centre line and slope stakes, also excavation and concrete levels for pipe he ran a trial line for ditch on Anaham Reserve from Chilcotin River, finding that a grade of 2.5 feet in 5000 (0.05%) would require a ditch 4.6 miles long. The grade provides a feasible location, but owing to some prohibitive side hill, will necessitate about 75% flume on account of the very sandy nature of the soil. Before a complete report covering the entire situation at Anaham can be secured, surveys for storage in the lakes tributary to Anaham creek and also Alexis Lake, should be made. This reserve includes the widely known Anaham Flat of about 3000 acres of excellent agricultural land. The expense necessary to provide irrigation for the entire flat is considered will warranted by the acreage and quality of the soil.

Your obedient servant

[signed] R.G. Swan

District. Chief Engineer.

J. B. Challies, Esq., C.E.
Superintendent
Water Power Branch
Department of the Interior
Ottawa, Ont.