

Tulameen: 5 May 1980

810648

WATER DEPTH 37 cm
above dam.

discharge in wier:

$$0.37 \times 0.81 \times 1.33 \text{ m/sec} \times 60 \\ = 23.92 \text{ m}^3/\text{m}$$

$$3.63 \text{ m} \times 0.37 \text{ m} \times 0.94 \text{ m/sec} \\ \times 60 = 15.75 \text{ m}^3/\text{m}$$

TOTAL DISCHARGE:

99.7 m³/min (21,924 gpm)

(current speeds from May 16, 1979).

Snow mostly gone
From property. Road
open beyond trenches
& road to intake site
passable but wet.

Tulameen

2 April 1980

- Water depth 16 cm.
(Same as Feb 7, 1980)-
- discharge = 430 gpm
- Road drivable (on ice & snow to km 5) Snow depth at Intake Site cabin ~ 80 cm, with $\sim 25\%$ bare ground in sunny areas.

Tuloman March 4, 80

• ~ 2.5 FT. of snow,
strongly crusted.

• water depth 19 cm

• 19 cm x 37 cm

Volume (as at April 4, 79)

560 gal/min.

TULAMEEN

16 → 18 Jan 80

• ① Deer Survey with B. Fuhr

• ② Check on Progress on hydrometric station.

• Deer survey 17 Jan -

83 deer seen, virtually all east of Princeton → Tulameen road.

No tracks in Blackburn Class 3W area.

• 18 Jan 80

• Temp -18 C

• Stopped work on weir as no progress is being made.

OVER →

Snow depth $\sim 2\frac{1}{2} \rightarrow 3$ FT

Creek flow:

depth 15cm

DISCHARGE ~ 500 gpm

TULAMEEN 7 Jan 1980

Site visit to check
snow and stream flow
with Richard Roberts
(Schultz).

Road open to
Km 10 +

~ 2 FT of snow

Stream flow ~ 600 gpm

Tulameen

21 May 80

Water sampling -

Grainite Ck at mouth

Temp 2°C

T2-80-1

Blakeburn Ck below
Tailing Pond

T11-80-1

Temp 2°C

Blakeburn Ck above
Pit

T7-80-1

Temp 1.5°C

Road to Collins Gulch
is not open & thus
I didn't sample that
station.

OVER →

Blackburn Ck intake
site:

16 cm below TOP -
Depth 70 cm

discharge in weir: See 16 May 79
 $0.37_m \times 0.70_m \times 1.326 \text{ m/sec} \times 60$
 $= 20.61 \text{ m}^3/\text{min}$

~~$\times 219.9674$~~

discharge over dam:

$0.26_m \times 3.5_m \times 0.94 \text{ m/sec} \times 60$
 $= 51.32 \text{ m}^3/\text{min}$

~~$\times 219.9674$~~ ~~11289 gpm~~

~~TOTAL~~

TOTAL DISCHARGE:

$$\begin{array}{r} 20.61 \text{ m}^3/\text{min} \\ + \underline{51.32} \\ \hline \end{array}$$

$$\underline{\underline{71.93 \text{ m}^3/\text{min}}}$$

$$\left(\times 219.9694 = \underline{\underline{15822 \text{ gpm}}} \right)$$