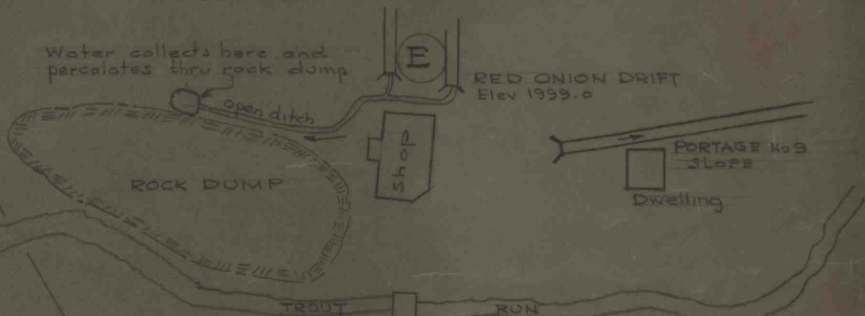


MAX. FLOW - 300,000 GPD
NO FLOW - 8 MONTHS

Water collects here and
percolates thru rock dump

RED ONION DRIFT
Elev 1939.0



TO PORTAGE

Open ditch

24" Conc. Pipe

Elev 1940

2" B" Boreholes
120' deep
from Portage No 9

12x12 Box Culvert

Open Ditch

WEAVED DRIFT
Elev 1936.0

MAX FLOW MAR. & APR. - 1500,000 GPD
REMAINDER OF YEAR - NO FLOW

HIGHWAY

MARTIN BRANCH P.R.R. TO MARTINDALE

PORTAGE No 3
DATA

1. 1500 GPM. WORTHINGTON CENT. PUMP - 170' HEAD
Max. Flow - 650,000 GPD
Ave Flow - 360,000 "
Min. Flow - 135,000 "

TO PURITAN

TO PORTAGE

STATE

JOHNSTOWN COAL & COKE COMPANY

DETAIL OF MINE DRAINAGE

STATIONS D, E, & F

SCALE 1"=100'

JULY 1945

Andrew B. Grichtes
Mining Engineer
Johnstown, Pa.