

Table showing an Analysis of the Ventilation in the Principal Collieries in the Dominion made by the Chief Inspector during the early part of 1920—continued.

Name of Colliery.	Place of Observation.	Date.	Quantity of Air passing per Minute.	Number of Persons that Air has passed over.	Number of Horses that Air has passed over.	Quantity of Air per Person per Minute.*	Analysis of Such Return Air by Dominion Analyst.			Remarks.
							CO <sub>2</sub> .	Oxygen.	CH <sub>4</sub> .	
<i>South Island—contd.</i>										
Blackball ..	No. 1, rise section, return	3/2/20	8,085	16	..	505	Per Cent. ..	Per Cent. ..		
" ..	No. 3, dip section, return	3/2/20	11,795	28	..	421	..	..		
" ..	Main return at fan ..	3/2/20	42,120	..	..	..	0-51	20-33		
Millerton ..	Nos. 1 and 2, dip section, return	10/2/20	15,750	42	2	346*	0-35	20-54		
" ..	No. 4, west section, return	9/2/20	16,626	30	..	494	0-07	20-81		
" ..	Evans section return ..	10/2/20	7,614	15	1	467	..	..		
" ..	South-east pillars return	10/2/20	Unappreciable	10	1	Unappreciable	0-14	20-70		Air short-circuited.
Westport-Stockton ..	Nos. 2 and 4 sections return	11/2/20	19,800	66	3	273	0-07	20-90		
Coalbrookdale ..	Wareatea jig section return	24/5/20	10,810	40	4	230	0-14	20-85		Water-gauge, 2.5 in. at 10 ft. fan; air short-circuited through leaking stoppings; effective ventilation, 17 per cent.
" ..	Cascade section return ..	24/5/20	6,302	22	2	233	..	..		Inadequate quantity.
" ..	Main return at fan	24/5/20	97,643	..	..	..	..	..		
Ironbridge ..	Kruger's dip return ..	13/2/20	2,142	12	1	128	0-38	20-04		
Taratu ..	Dip section return ..	7/1/20	6,288	38	..	165	0-30	20-00		
Kaitangata No. 1 ..	Mundy's and No. 6 dip return	8/1/20	14,297	43	2	304	0-47	19-48		
" ..	Main return at fan ..	8/1/20	22,542	..	..	..	0-42	20-16		Effective ventilation 63 per cent.
" ..	Fred's seam return ..	9/1/20	3,226	10	1	263	0-13	20-62		Air short-circuited through leaking stoppings before it could reach first miner.
" ..	18 ft. seam return ..	9/1/20	Unappreciable	10	1	Unappreciable	0-10	20-70		Only 37 per cent. of the air passed through workings owing to leakage.
" ..	6 ft. seam return ..	9/1/20	7,047	31	..	227	0-13	20-60		
" ..	Main return at fan ..	9/1/20	27,360	..	..	..	0-19	20-68		
Nightcaps ..	No. 3 dip return ..	12/1/20	6,864	18	1	348	0-19	20-70		
Jubilee ..	Main return ..	15/1/20	6,547	17	1	350	0-05	20-69		
Saddle Hill ..	No. 1 section return ..	15/1/20	1,980	9	..	220	..	..		
" ..	No. 2 section return ..	15/1/20	6,528	15	1	395	0-28	20-63		No pretence at any system of ventilation. Air stagnant in this seam.
Wairoa ..	Small seam intake or return	13/1/20	Unappreciable	7	..	Unappreciable	..	..		

\* The quantity of air per person is obtained by dividing the total quantity circulating, after an allowance of 600 ft. per horse has been deducted.

† No sample taken; the mine-air was obviously wholesome.