

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

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> .	
North Island. Taupiri Extended	No. 4 level, west side, return	9/4/20	Cub. ft. 15,765	39	..	Cub. ft. 404	Per Cent. 0.15	Per Cent. 20.36	Per Cent. 0.06	Atmospheric purity.
	No. 5 dip, west side, return	9/4/20	10,881	14	..	777	0.03	20.88	..	
	No. 5, new dip, and No. 6, west side, return	9/4/20	3,710	13	..	284	0.07	20.70	0.14	
	No. 2 district, north side, return	10/4/20	13,211	43	..	307	..	†	..	
	No. 1, tail-ropes district, north side, return	10/4/20	10,368	29	..	354	0.08	20.66	..	
	No. 7 district, north side, return	10/4/20	8,028	20	..	401	0.10	20.70	..	
	Main return at fan	8/4/20	87,000	..	..	..	0.10	21.51	0.09	
Pukemiro	North district return	12/4/20	12,274	40	..	307	0.03	20.70	..	Effective ventilation, 71.2 per cent.; water-gauge at fan, 2.5 in.
	Straight heading, left return	12/4/20	13,740	22	..	624	0.16	20.69	..	
	Straight heading, right return	12/4/20	11,736	20	..	587	..	†	..	
	Main return at fan	12/4/20	40,837	..	..	..	0.10	20.69	..	
Rotowaro	No. 3 south return	13/4/20	9,984	40	..	249	0.07	20.78	..	Due to leakage and fan running at reduced speed. Effective ventilation, 68.5 per cent.
	No. 4 south return	13/4/20	4,257	12	..	355	..	†	..	
	Main jig return	13/4/20	4,150	32	..	130	0.15	20.88	..	
	Main return at fan	13/4/20	26,845	..	..	..	..	†	..	
Waipā	No. 4 section (Siberia) return	14/4/20	16,200	43	2	348	0.07	20.72	..	Effective ventilation, 85.1 per cent.
	Pillars section return	14/4/20	3,672	8	1	384	..	†	..	
	Main return at fan	14/4/20	23,324	..	..	..	..	†	..	
	..	..	..	..	..	..	..	..	..	
South Island. Liverpool No. 1	Upper seam, No. 3 bank return	20/5/20	10,722	29	..	369	..	..	..	Effective ventilation, 66 per cent.
	Upper seam, crosscut return	20/5/20	6,312	23	..	274	..	..	..	
	Morgan seam, east return	20/5/20	15,631	23	..	680	0.10	20.38	..	
	Morgan seam, west return	20/5/20	9,712	27	..	360	..	..	..	
	Main return at fan	20/5/20	64,128	..	..	..	..	..	..	
	No. 1 district return	20/5/20	8,540	22	2	334	..	..	..	
	No. 2 district return	20/5/20	10,260	34	3	249	..	..	..	
	No. 3 district return	20/5/20	5,675	13	..	436	..	..	..	
	Main return at fan	20/5/20	31,266	..	..	..	0.05	20.83	..	
	Main return at fan	5/2/20	3,782	12	1	400	0.12	20.72	..	

\* 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.