

No. 4.—AIR-MEASUREMENTS TAKEN AT WAIHI GRAND JUNCTION MINE, 28TH AUGUST, 1911.
(Ventilated by Sirocco fan.)

Locality where Measurements taken.	Quantity of Air circulating per Minute.	Total Number of Men on Day Shift.	Average Quantity of Air per Man per Minute.
<i>Intake Air.</i>			
No. 5 level (944 ft. deep)—	Cub. ft.		Cub. ft.
South crosscut	16,293	50	325
North crosscut	14,492	12	1,208
No. 4 level (794 ft. deep)—			
North crosscut	4,738	18	263
No. 3 level—			
North crosscut	9,332	8	1,166
Quantity descending main shaft	44,855		
„ other inlets	2,710		
Total intake	47,565		
<i>Return Air.</i>			
Returning <i>via</i> Extended Mine at No. 5 level ..	11,550		
Returning through Sirocco fan	36,015		
Total measured return	47,565	88	540

NOTE.—The fan is of Sirocco type, double inlet, 19 in. diameter, electrically driven: estimated B.H.P., 34; observed W.G., 1·12 in. at fan.

	Wet Bulb.	Dry Bulb.
Temperature of outside air in shade	51½°	54°
„ mine-air discharged by fan	69°	69°
„ „ maximum observed	83°	83½°
„ „ minimum observed	64½°	70½°