

TABLE 6.—TESTS OF STONE COMPLETED DURING THE YEAR ENDED 31ST MARCH, 1938.

No.	Locality.	Weight in Pounds per Cubic Foot.	Absorption of Water in Pounds per Cubic Foot.	Abrasion.		Hardness.	Toughness.	Geological Classification.
				Percentage of Wear.	French Co-efficient.			
309	Te Kuiti, No. 1 sample ..	159.3	0.80	5.06	7.00	15.30	10.0	Limestone.
310	Te Kuiti, No. 2 sample ..	163.4	0.40	3.87	10.30	13.90	16.0	Limestone.
311	Kirkley's Quarry, Taneatua ..	164.6	0.90	3.10	12.90	16.90	19.0	Greywacke.
312	Waimana Gorge, Taneatua ..	176.5	1.50	5.80	6.90	..	..	Serpentine.
313	Taneatua	159.0	1.05	4.00	10.00	17.70	14.0	Greywacke.
314	Stony Hill, Green Island ..	183.9	0.40	4.80	8.40	18.90	49.0	Basalt.
314A	Borough Quarry, Birkenhead ..	187.4	0.75	3.20	12.50	18.93	27.0	Basalt.
315	Wairoa River, Nelson ..	207.1	0.30	3.64	11.00	19.31	19.0	Harzburgite.
316	Maungaongaonga, Rotorua ..	147.2	0.30	6.64	6.10	16.50	16.5	Trachyte.
317	Riponui, Whangarei ..	170.0	0.15	5.24	7.60	19.50	15.0	Greywacke.
318	Otonga, Whangarei ..	167.4	0.60	5.29	7.60	19.50	48.0	Greywacke.
319	Wheki, Whangarei ..	172.1	0.25	2.86	14.00	15.30	21.0	Diabase.
320	Dwyer's Quarry, Whangarei ..	167.4	0.04	3.01	13.20	19.30	27.0	Greywacke.
321	Hikurangi Quarry, Whangarei	175.2	1.25	7.77	5.10	18.80	9.0	Basic tuff.
322	Albert's Cap, Waiwera, Clutha County	159.6	1.00	3.82	10.40	17.70	19.5	Greywacke.
323	Kaihiku, Clutha County ..	164.3	0.55	3.04	13.10	19.30	25.0	Fine conglomerate.
324	Miller's Quarry, Naumai, North Auckland	159.0	0.35	3.36	11.90	18.30	29.5	Trachyte.
325	Ditto	155.5	2.35	5.22	7.60	18.10	19.0	Trachyte; slightly weathered.
326	Donovan's Quarry, Tokatoka, North Auckland	169.4	..	5.14	7.80	17.40	10.5	Diabase.
327	Ditto	167.3	..	5.50	7.20	..	..	Diabase; 2nd grade.
328	Donovan's Bluff, Tokatoka, North Auckland	146.0	2.80	..	..	(Soft)	..	Diabase; partly wea- thered.
329	Maungaongaonga, Rotorua ..	157.3	1.16	4.74	8.40	17.57	15.5	Trachyte.
330	Wanstead Quarry, Dannevirke	166.8	0.20	5.92	6.70	15.90	8.5	Arenaceous limestone.
331	Piha, Auckland ..	168.0	0.31	3.87	10.34	17.35	13.0	Melaphyre (altered basalt).
332	Hursthouse Street Pit, Motueka	165.2	1.14	..	..	14.52	11.0	Granite (white).
333	" ..	168.4	0.58	..	..	16.30	37.5	Greywacke.
334	Hunter's Quarry, Waitakerei, Auckland	145.6	7.78	7.25	5.51	11.70	6.0	Altered tuff.
335	Papamoa, Tauranga ..	165.5	0.75	2.30	17.40	18.90	18.5	Hypersthene andesite.

Other tests were made by sieve analysis, gravitation, microscopic examination, tension, and lineal shrinkage of top-course materials, and soil constants of subgrades.

Approximate Cost of Paper.—Preparation, not given; printing (1,092 copies, including maps and graphs), £625.

By Authority: E. V. PAUL, Government Printer, Wellington.—1938.

Price 7s.]