

LOWER PALAEOZOIC LIMESTONES (DARK BLUISH GREY TYPES).

Locality.	Reg. No.	SiO ₂	Fe ₂ O ₃	Fe ₂ O ₃ Al ₂ O ₃	Al ₂ O ₃	CaO	CaCO ₃	MgO	I.L.	H ₂ O at 100	TiO ₂	MnO ₂	S.	P ₂ O ₅
Smithton.	1805/30	1.08	1.38+		0.22	46.40	44.12x	7.53			Trace		0.110	0.077
"	1996/30	0.52	0.56+		0.36	54.23	43.30x	0.50			"		0.068	0.068
"	1300/31	0.76	0.31+		0.38	53/85	44.11x	0.29			"			
"		0.48	0.56		0.24	53.79	43.70x	1.72						Trace
Melrose	773/25	7.84	1.84		2.70		86.57	1.37						
Mole Creek	648/21	4.52	1.07		1.73		91.46	1.09		0.06				
"	340/21	13.42	1.18		1.56		81.78	1.82 ϕ						
Golden Valley	1382/32	6.52	0.90		2.50	49.25		1.64 ϕ	39.54 γ		0.09		(S03.11	0.04
Railton	856/22	57.72	3.15+		12.21		21.60	0.94	3.10				(FeS2.58	
"	857/22	54.00	3.14+		13.70		24.80	0.57	3.51					
"	858/22	29.72	1.72+		5.00		62.76	0.79						
"	859/22	51.44	10.01+		0.67		34.54	0.65	2.68					
"	860/22	9.32	1.56+		2.02		83.98	1.16						
"	882/22	8.00	1.79+		1.93		86.13	1.09						
"	891/22	4.68	1.00+		1.96		91.33	0.57						
"	892/22	3.92	0.64+		1.56		92.14	0.24						
"	986/22	7.40	1.72+		4.20		85.39	1.45						
"	987/22	8.80	2.00+		4.12		82.21	2.39						
"	988/22	7.00	1.50+		3.10		87.91	1.16						
"	989/22	3.00	0.64+		1.32		94.61	1.59						
"	990/22	3.00	0.57+		1.63		93.44	1.45						
"	991/22	3.68	1.79+		2.17		90.41	1.81						
"	992/22	3.00	0.43+		1.17		94.61	1.30						
"	993/22	3.68	0.86+		1.90		92.64	1.45						
"	994/22	3.52	1.07+		1.73		93.06	1.23						
"		25.72	2.37+		4.56		60.87	1.81	0.40				FeS ₂ 1.32	
Flowery Gully		1.44		1.79			95.40							
"		1.61		1.70			95.65							

Locality.	Reg. No.	SiO ₂	Fe ₂ O ₃	Fe ₂ O ₃ Al ₂ O ₃	Al ₂ O ₃	CaO	CaCO ₃	MgO	I.L.	H ₂ O at 100	TiO ₂	MnO ₂	S.	P ₂ O ₅
Flowery Gully		0.98		2.81			94.75							
"		1.85		1.65			95.45							
"		0.98		3.15			94.00							
"		5.53		0.55			93.72							
"	274/24	2.48	0.58+		0.62		93.44	2.17						
"	275/24	1.60	0.72+		0.08		96.12	1.45						
"	276/24	2.52	1.14+		0.14		91.75	3.62						
"	304/24	1.80	0.56+		0.64		96.62	0.81						
Ida Bay.	827/21	1.28	0.42+		0.38		97.88	0.28						
"	50/26	2.00		0.64			94.50	1.73						
"	51/26	2.48		1.16			94.70	1.00						
"	52/26	1.40		0.64			94.49	0.72						
"	53/26	4.20		0.84			93.70	0.89						
"	54/26	1.48		0.68			96.74	0.72						
"	55/26	3.00		0.40			93.40	1.70						
"	56/26	5.04		0.28			93.85	0.59						
"	57/26	5.08		0.56			91.66	1.00						
"	58/26	4.68		0.32			93.25	0.59						
"	59/26	1.68		0.16			96.21	0.59						
"	60/26	1.28		0.16			96.75	0.36						
"	61/26	2.00		0.16			96.38	1.00						

Locality.	Reg. No.	SiO ₂	Fe ₂ O ₃	Fe ₂ O ₃ Al ₂ O ₃	Al ₂ O ₃	CaO	CaCO ₃	MgO	I.L.	H ₂ O at 100	TiO ₂	MnO ₂	S.	P ₂ O ₅
Flowery Gully	62/26	3.40		0.52			94.30	1.73						
"	63/26	5.48		0.68			91.93	1.73						
"	64/26	2.40		0.16			95.32	0.44						
"	65/26	3.88		0.60			94.60	0.44						
"	66/26	2.60		0.76			92.80	2.53						
"		3.70					92.80	2.53						
"		3.40	0.80+		1.00	52.00	92.85	1.50	41.80					
"		4.02		0.91	1.60		91.6	2.8 6						
"		0.80		0.40			92.67	1.83 6	0.36		0.21			
"							97.3	1.2 6			0.03			

- + Means Fe₂O₃+FeO instead of Feo
- x Means CO₂ instead of CaCO₃
- ∅ Means MgCO₃ instead of MgO
- / Means that I.L. includes CO₂

ANALYSES OF SILURIAN & ORDOVICIAN LIMESTONES.

CaCO ₃	CaO	MgCO ₃	MgO	SiO ₂	Insol.	FeO	Fe ₂ O ₃	Fe ₂ O ₃ & Al ₂ O ₃	Al ₂ O ₃	P ₂ O ₅	SO ₃	H ₂ O	I.L.	Remarks.	Locality.
95.40		1.22		1.44				1.79				0.13		Burnt	(Lutwhyche's quarry
95.65		0.83		1.61				1.70				0.18		for	{Caves (Flowery
94.75		1.17		0.98				2.81				0.20		lime	{Quigley's (Gully) quarry
95.45					1.85			1.65				1.05		inter-	(Flowery Gully
94.00					0.98			3.15				1.87		mit-	(" "
93.72					5.53			0.55				0.20		tently.	(" "
75.10			0.54	12.20		2.88			3.05	1.02	4.66	0.55		Being	(Blenkhorn's quarry
94.61			1.59	3.00			0.64		1.32					worked	(" "
93.44			1.45	3.00			0.57		1.63					for	(" "
90.41			1.81	3.68			1.79		2.17					cement	(" "
94.61			1.30	3.00			0.43		1.17					and	(" "
92.64			1.45	3.68			0.86		1.90					lime	(" "
93.06			1.23	3.52			1.07		1.73						(" Railton.
85.39			1.45	7.40			1.72		4.20						(Tas. Cement Co's
82.21			2.39	8.80			2.00		4.12						(Quarry
87.91			1.16	7.00			1.50		3.10						(" " "
60.87			1.81	25.72			2.37		4.56						(Between above quarries)
	52.00		1.50	3.70					1.00				41.80	Being Worked	(Ida Bay

ANALYSES OF SILURIAN & ORDOVICIAN LIMESTONES.

CaCO ₃	CaO	MgCO ₃	MgO	SiO ₂	Insol.	FeO	Fe ₂ O ₃	Fe ₂ O ₃ & Al ₂ O ₃	Al ₂ O ₃	P ₂ O ₅	SO ₃	H ₂ O	I.L.	Remarks	Locality.
91.60		2.80		3.40	1.60	0.8									(Ida Bay
92.67		1.83		4.02				0.91				0.21			(" "
97.30		1.20		0.80				0.40				0.30			(" "
97.88			0.28	1.28			0.42		0.38						(" "
86.57			1.37	7.84			1.82		2.70					Not	(Melrose
90.41				3.68			1.79		2.17					being	("
93.13				3.30			0.89		1.65					worked	("
81.78		1.82		13.42			1.18		1.56					Not	(Mole Creek
91.46			1.09	4.52			1.07		1.73					being	(" "
97.28			0.14	1.40			1.07		0.33					worked	(" "
73.71			0.36	3.44			1.14		1.50						(" "

ANALYSES OF PERMO-CARBONIFEROUS LIMESTONES.

CaCO ₃	MgCO ₃	MgO	SiO ₂	Fe ₂ O ₃	Fe ₂ O ₃ & Al ₂ O ₃	Al ₂ O ₃	P ₂ O ₅	SO ₃	H ₂ O	I.L.	Remarks.	Locality.
69.28			23.00									Mt. Nicholas
86.73											Not being worked	Silkstone
78.32		0.32	18.08	1.08		1.20					" "	"
89.38		0.21	7.80	1.00		1.72					"	"
62.41	0.07		30.52		5.70				0.54		"	"
70.10	0.14		26.11		2.60				0.30		"	"
85.20	0.07		11.31		3.10				0.18		"	"
82.87	0.36		10.20		4.60				0.24		"	"
76.68	0.49		16.52		4.88				0.31		"	"
71.96	0.80		23.26		3.10				0.27		"	"
88.48	0.32		9.32		1.61.				0.20		"	"
71.67		1.45	22.52	1.14		3.06					"	Fingal
76.22		0.43	16.64	2.07		3.89					"	"
87.73		0.11	8.72	0.36		2.88					"	"
92.14							0.1				"	Brookstead
55.95		0.94	28.80	3.07		6.81		0.58		2.12	"	Bridgnorth
18.55		2.15	56.39	4.33		13.27				1.90	"	"
82.40		0.29	15.40	2.15		0.45					"	Saltwater Lagoon, Mt. Peter
76.50		0.65	18.40	2.29		0.51					"	" " " "
88.80		0.60	7.80		0.72						"	" " " "

ANALYSES OF PERMO-CARBONIFEROUS LIMESTONES (Cont)

CaCO ₃	MgCO ₃	MgO	SiO ₂	Fe ₂ O ₃	Fe ₂ O ₃ & Al ₂ O ₃	Al ₂ O ₃	P ₂ O ₅	SO ₃	H ₂ O	I.L.	Remarks.	Locality.
79.25		0.75	17.40		1.00						Not being worked	Picanini Creek
77.60		0.29	20.16	2.29		0.43					"	" "
75.32		0.36	20.28	3.86		1.54					"	" "
71.69		0.50	23.52	2.00		2.68					"	" "
72.00		0.86	24.60	2.86		0.34					"	" "
90.23		0.60	7.20		0.44						"	" "
57.83		0.72	37.00	1.14		2.86					"	Dalmayne
72.49	0.38		23.71		3.35				0.35		"	Dromedary, Derwent Valley.
59.89		1.09	31.40	1.79		4.45					Being worked	Nassau Quarry, Granton
86.40		0.72	10.32	0.91		2.27					" and"	" "
68.90		1.09	25.40	1.29		3.39					burnt	" "
68.93		0.36	26.64		1.86	2.54					"	" "
70.70		0.24	23.56		2.14	3.74					"	" "
63.60		0.50	30.04		1.86	4.50					"	" "
78.49		0.60	17.60		1.60	2.40					"	" "
63.26		1.01	29.72		1.56	2.64					"	" "
65.26		1.23	27.28		1.64	2.2					"	" "
76.39		0.72	19.36		0.57	3.59					Being worked	Berriedale
65.87		0.72	28.36		2.93	2.27					and burnt for lime	" "

ANALYSES OF PERMO-CARBONIFEROUS LIMESTONES (Contd.)

CaCO ₃	MgCO ₃	MgO	SiO ₂	Fe ₂ O ₃	Fe ₂ O ₃ & Al ₂ O ₃	Al ₂ O ₃	P ₂ O ₅	SO ₃	H ₂ O	I.L.	Remarks	Locality.
76.39		0.72	19.60		1.43	2.17					Being worked & Burnt for lime	Berriedale.
77.37		0.72	18.68		1.43	2.53					" "	"
69.44		0.87	25.20		1.21	2.39						"
62.76		0.79	29.72		1.72	5.00						"
81.31		0.59	14.44	1.29		2.07					Not being worked.	"
68.54		0.94	26.52	0.72		2.96					No information but probably from quarries being worked	"
75.50		1.01	19.80	1.56		2.52						"
76.37		1.02	19.88	1.48		1.86						"
80.08		0.36	16.84	1.40		1.79						"
78.49		1.00	17.40	1.48		2.00						"
71.40		0.72	24.36	1.25		2.31						"
88.18		0.58	10.00	0.94		0.86						"
65.29		0.58	29.08	1.70		2.30						"
76.19		0.68	21.20	0.20		1.36				0.21		"
66.01		0.72	29.52	1.36		2.36				0.57		"
77.40		0.72	18.20	2.15		1.27				0.70		"
75.22		0.55	20.88	1.84		1.32				0.15		"

ANALYSES OF PERMO-CARBONIFEROUS LIMESTONES (Contd.)

CaCO ₃	MgCO ₃	MgO	SiO ₂	Fe ₂ O ₃	Fe ₂ O ₃ & Al ₂ O ₃	Al ₂ O ₃	P ₂ O ₅	SO ₃	H ₂ O	I.L.	Remarks.	Locality.
70.36		0.80	24.20	2.36		1.64				1.06	No information but	Berriedale
82.35		1.09	12.40	0.74		1.50				1.50	probably from	"
80.73		1.09	13.80	0.54		1.56				1.41	quarries	"
81.45		0.87	13.84	0.48		1.44				1.18	being worked	"
54.30		0.87	38.80	1.02		2.98				1.33		"
71.58		1.09	22.00	0.95		2.45				1.14		"
71.04		0.14	22.92	0.98		3.62				0.76	No information	Glenorchy.
68.54		0.57	26.60	0.70		3.50				1.38	ation "	"
77.64		0.28	16.60	1.40		3.22				0.52	" "	"
54.26		0.57	34.36	1.36		6.34				2.08	" "	"
71.75		0.57	20.60	0.84		4.16				1.35	" "	"
44.17		0.79	44.60	2.10		6.06				1.42	" "	"
78.17		0.28	16.88	1.40		2.08				1.54	" "	"
73.00		0.72	19.64	2.26		5.06				0.60	" "	"
50.02		0.60	36.00	2.00		4.28				6.01	" "	"
65.86		0.89	26.50	1.14		3.74				1.50	" "	"
64.52		0.50	28.88	0.85		3.46				1.44	" "	"
83.89		0.43	9.88	0.85		3.42				1.68	" "	"
76.57		0.47	16.00	1.44		4.08				0.73	" "	"
25.53		0.72	60.16	3.52		8.56				1.47	" "	"
19.36		0.80	64.60	3.03		11.45				1.79	" "	"

TERTIARY LIMESTONES.

Calcium Carbonate

Magnesium Carbonate

Remarks

Locality.

93.10

0.68

Not being worked

King Island.

85.00

" " "

" "