

RAINFALL AT Stanhope Parson Byers Quarry

Lat.

Lon.

County of Durham

Copper Glaister
wear - 2.

Rain Gauge, by

Observer Mr. Bell Brothers Esq. M.P. Park

Diameter ..				5							
Height ..				6. 8							
Altitude ..				846							
Year	1900	1901	1902	1903	1904	1905	1906	1907	1908	1909	MEANS.
January ..					3.48	.41	3.34	.89	1.92	2.26	
February ..					2.16	.90	1.41	1.72	1.74	1.52	
March ..					2.53	2.56	1.12	1.28	5.55	5.99	
April ..					1.35	1.62	3.70	.80	1.58	3.17	2.05
May ..					2.96	2.89	.41	3.55	3.84	2.35	1.36
June ..					1.51	1.73	1.03	.81	3.06	.62	2.91
July ..					4.19	1.46	.47	1.23	1.60	1.99	2.35
August ..					2.70	2.65	3.95	2.64	1.53	2.33	2.96
September ..					3.30	.78	2.62	.45	.30	2.62	1.98
October ..					9.94	.68	1.83	5.42	6.38	8.02	3.30
November ..					1.33	2.40	6.22	3.14	2.26	1.62	.70
December ..					2.58	1.86	.64	2.21	4.38	1.18	3.15
TOTALS ..					24.24	24.74	26.12	28.81	28.12	30.53	

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1903 Stanhope Church 1 mile N

Station 3/4 - N

Tree 20 ft high 60 ft E

Plantation 18 ft high 20 yards E

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3534

RAINFALL at Stanhope Parson Ryer's Quarry

County of Durham

Observer Messrs Bell Brothers Limited

22 Queen
St. Merton

River Basin Wear 2

Howard's Rain Gauge, by

Diameter ...	5										
Height	6 8										
Altitude ...	846 T										
Year ...	1910	1911	1912	1913	1914	1915	1916	1917	1918	1919	MEANS.
January ...	4.41	2.04	3.90	5.30	2.30	2.26	2.22	4.62		3.51	
February ...	3.73	1.80	3.47	1.82	3.01	5.76	4.14	.61		1.89	
March	1.48	2.67	2.73	6.39	2.20	1.24	3.41	1.75		3.74	
April	2.64	1.60	.06	4.42	.90	.85	1.23	2.45		1.49	
May	1.78	1.60	2.54	2.49	1.09	1.96	3.83	2.87		1.80	
June	1.11	4.23	5.61	1.44	3.65	.53	3.09	1.55		1.20	
July	3.71	.23	4.17	1.43	1.80	4.56	3.49	.51		2.00	
August	4.30	2.61	6.11	1.65	2.59	3.25	2.31	9.40		3.60	
September ..	.32	2.39	2.90	4.30	1.64	.78	1.97	.58		.79	
October ...	2.86	3.64	3.16	2.96	2.42	1.42	5.37	3.24		5.65	
November ...	3.42	5.01	2.04	2.20	4.94	2.36	4.64	1.43		3.53	
December ...	3.47	5.01	3.25	1.82	8.09	6.88	3.31	2.46		3.28	
TOTALS ...	33.23 43	32.83 30	39.94 30	36.22 30	34.63 30	31.82 30	39.29 30	31.47 30	NR	31.00 30	

1912 Plantation 28 ft high 20 yds E
 Refuse heap 50 ft. 50 ft.

Date.	Lat. N.	Long.	Railway Station.	Distance.	Direction.	Church.	Distance.	Direction.
1911	44° 2' W	Stanhope		3 mi.	N	Stanhope	1 mi.	N

RAINFALL at Stanhope-Parson Byre's Quarry

County of Durham

Observer Messrs Bell, Bros & Co

River Basin Near 2

(1923) River Dorman, Long & Low. S.

Howard Rain Gauge, by

Diameter ...	5"										
Height	6.8										
Altitude ...	846										
Year	1920	1921	1922	1923	1924	1925	1926	1927	1928	1929	MEANS.
January	3.18	4.76	3.91	1.40	2.83	3.21	4.99	3.09	4.85	1.68	4.68
February	1.54	1.2	2.82	5.04	1.72	3.91	2.84	1.53	2.03	1.25	2.50
March	2.94	1.54	1.95	1.52	1.95	2.15	1.91	3.23	3.99	.01	1.90
April	4.70	.96	2.53	1.64	1.01	3.90	2.88	2.86	0.66	1.32	2.99
May	4.11	1.51	1.65	2.51	5.87	3.88	1.89	1.96	1.94	1.15	1.81
June	1.05	1.41	1.07	.87	1.72	.11	4.07	2.55	4.62	1.57	1.57
July	3.42	1.57	4.83	2.04	4.00	2.29	3.29	4.73	1.79	3.08	6.87
August	1.34	4.63	1.91	4.79	2.14	2.84	3.15	7.03	5.30	2.62	4.99
September...	1.83	.95	4.25	2.41	3.73	3.52	4.39	5.65	0.86	1.32	5.27
October	2.44	2.13	1.34	3.00	5.01	3.54	3.47	3.61	5.42	2.99	3.30
November...	1.86	1.91	.85	3.94	1.46	2.60	5.98	3.25	5.09	4.25	4.53
December ...	3.73	2.87	4.56	3.18	4.35	3.93	1.27	2.13	1.87	6.51	4.18
TOTALS...	32.19	22.86	30.57	32.34	33.85	35.91	39.13	41.62	38.42	27.75	44.09

1920 Plantation 35ft high 2074 E

Rear of heap 50ft " 100 " W

100 m.s.e.

1922 Office 18ft. high. 27ft. E.

Rear of Heap 50ft. high. 50yds. N.

Position of Station on reduced Ordnance Survey Map, 2 miles to 1 inch Series				No. of Map	Reference No.			
Date.	Lat. N.	Long.	Railway Station.	Distance from gauge	Direction	Parish Church.	Distance from gauge	Direction
1920	44° 2°		Stanhope N.E.	3/4 mi	N	Stanhope	1 mi	N

RAINFALL at Stanhope (Parson Byers ay.)

County of Durham

Observer Messrs. Dorman, Long & Co. Ltd.

River Basin Wear - 2.

Type of Gauge Standard M.O. (1937)

Annual Average S.I. in. based on 22 years obs. unweighted. Period of average 1931-1935 Ref. S

669374/26

Diameter	S.										S'	
Height	6.8.										1'3"	1 0
Altitude	846.										860'	450
Year	1931	1932	1933	1934	1935	1936	1937	1938	1939	1940	Means	Total
January	2.66	3.06	1.83 (4.36)	1.80	1.51	5.00	3.48	4.35	6.45	1.68	3182	
February	4.20	1.04	6.30	0.02	5.70	2.43	2.29	1.60	2.32	2.40	2626	
March	2.07	1.62	1.85	4.25	1.62	2.54	1.84	1.87	4.35	3.12	2213	
April	3.85	3.92	1.35	6.01	3.90	1.13	1.44	1.36	1.66	2.19	2581	
May	4.20	4.18	2.66	1.73	1.50	1.89	2.69	2.80	1.57	1.79	2301	
June	4.57	1.05	1.29	2.15	1.57	2.77	1.88	2.88	2.34	1.48	1998	
July	3.77	2.79	1.34	2.64	1.61	3.07	1.27	2.67	4.08	4.62	2686	
August	3.80	1.99	(1.75)	2.52	1.05	1.42	1.84	3.00	4.59	1.88	2284	
September	3.18	2.87	4.21	1.54	4.36	3.36	2.23	1.32	1.36	1.64	2557	
October	1.33	5.48	5.42	4.33	4.07	2.62	2.53	6.26	7.77	4.03	4374	
November	3.71	1.41	5.09	2.65	3.75	3.40	1.07	4.13	3.85	4.90	3396	
December	1.75	2.80	1.99	4.29	1.37	2.62	5.24	4.35	1.59	3.10	2810	
TOTALS	39.09	31.71	(31.14)	33.93	29.01	32.15	26.80	34.49	41.93	29.83	23008	
			3	d.	d.	d.	N.Clow	d.	d.	d.		

1931. Office 18' high 9 yds. E. Refuse heaps 50' high 50 yds N.

1937 New Gauge put into operation on 1st Sept. on old site. Letter 1.6.39 Confirms G. of 896.

1938 ~~~ low. Offices 16' high 10 yds E.

1940. Office 18' high 12 yds N.

Position of Station on reduced Ordnance Survey Map. } No. of Map..... Reference No.....
1 mile to 1 inch Series

Date.	Lat. N.	Long.	Railway Station.	Distance from gauge	Direction	Parish Church.	Distance from gauge	Direction
1931.			Stanhope LNER	3/4 m.	N.	Stanhope	1 m.	N.
1937			Stanhope LNER	1/2 m.	N.	Stanhope	1 m.	N.
			" "	1 m.	N.	"	1 1/4 m.	N.

Station No.

3534

RAINFALL at Stanhope (Parson Byers Qy)

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County of Durham

Observer

T. W. Dorman Long & Co. Ltd.

River Basin Wear - 2

Type of Gauge 3 in. diameter

Annual Average 31.7 in. based on 22 years obs. un-weighted. Period of average 1881-1915. Ref. S

File No. 669374/26

Diameter	5"	021	863							5"
Height	1' 0"		1	1 3	1 3"				1' 3"	
Altitude	860'		41						860'	
Year	1941	1942	1943	1944	1945	1946	1947	1948	1949	1950
January	4.45	2.68	4.16	2.85	5.40	3.05	3.43	10.03	1.44	2.08
February	3.90	1.42	1.93	2.47	2.93	1.36	(4.50)	2.11	2.53	5.15
March	2.62	1.41	1.28	5.0	.86	1.72	5.87	2.86	1.82	1.20
April	1.50	1.66	2.41	1.58	2.83	.86	7.44	1.89	2.30	2.45
May	1.64	2.00	3.34	1.89	3.23	2.58	2.33	2.25	.98	1.69
June	.30	1.11	1.82	1.84	2.94	1.31	3.60	5.17	1.02	.98
July	1.93	2.64	1.61	2.70	1.71	3.11	2.32	7.8	2.28	3.69
August	2.23	3.08	4.51	1.51	3.63	3.46	.17	4.52	1.77	4.53
September	1.13	3.00	3.00	5.85	1.58	4.75	2.19	2.61	2.92	4.94
October	4.92	2.33	2.48	5.24	4.39	.81	.87	1.65	3.82	1.82
November	3.35	.84	3.02	7.55	.69	6.63	2.86	1.94	5.34	7.00
December	1.10	2.98	1.78	2.80	1.72	2.94	2.19	3.46	5.37	1.46
TOTALS	28.07	25.15	31.34	36.78	31.91	32.58	37.77	38.45	30.56	36.99

1941: Office 18' high, 36' E.W.

20004

1945 : 18' - 45° E

1947 Feb. est March part att. snow. May-June opp. Office 18 ft. 12 yds N.

Position of Station on reduced Ordnance Survey Map, 1 mile to 1 inch Series No. of Map Reference No.

Date.	Lat. N.	Long.	Railway Station.	Distance from gauge	Direction from gauge	Parish Church.	Distance from gauge
1941 1945			Stanhope	1 mile $\frac{3}{4}$ ml.	N.	Stanhope	1 mile 1 ml.

Station No. 3534

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RAINFALL at Stanhope (Parson Byers Ry)

County of Durham

Observer Dorman Long & Co. Ltd.

River Basin Wear - 2

Type of Gauge Snowdon

Annual Average 31.7 in. based on 22 years obs. un-weighted. Period of average 1881-1915 Ref. S
 " 33.11 " " 39 " Within 1916-1956, " " 1916-1950 S
 File No. 669374/26 S

Diameter ...	5'			021	863						
Height ...	1' 3"		1' 6"		1						
Altitude ...	860'				51						
Year ...	1951	1952	1953	1954	1955	1956	1957	1958	1959	1960	Means
January	1.99	2.83	.62	3.38	2.49	3.21	3.40	3.53	2.88	5.08	29.41
February	3.22	.35	1.43	2.27	2.33	2.10	3.45	4.21	.22	3.14	22.72
March	3.87	1.68	.58	2.19	1.51	1.29	1.69	2.84	1.33	2.20	19.18
April	2.69	1.71	2.94	.54	.30	.99	.14	.89	2.58	1.46	14.24
May	3.77	2.03	2.92	4.82	2.12	.56	1.79	1.40	.76	2.12	22.29
June	1.08	.81	3.92	1.84	2.12	3.35	1.09	3.21	2.39	.59	20.40
July	1.28	.79	1.88	1.39	1.11	2.56	2.85	3.01	1.05	4.16	20.08
August	4.18	3.26	3.63	6.40	.96	7.71	4.44	3.36	.89	2.64	37.47
September	1.57	3.73	2.47	3.57	1.11	3.86	3.44	2.88	1.04	2.23	25.90
October	.83	5.66	2.06	5.79	1.99	2.01	2.33	2.78	2.45	9.59	35.49
November	8.78	3.03	2.38	6.24	2.15	.80	2.21	.40	5.49	4.48	35.96
December	5.16	3.10	1.16	3.53	4.40	4.46	2.72	5.01	5.70	2.94	38.18
TOTALS ...	38.42	28.98	28.99	41.96	22.59	32.90	29.55	33.52	26.78	40.63	321.32
	D	D	d	D	d	d	d	d	d	'd'	

1957 Office 18° 12' 0 N;

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Position of Station on Ordnance One-Inch map :

No. of Map

National Grid Reference NY357997376

Date.	Lat. N.	Long.	Railway Station.	Distance from gauge	Parish Church.	Distance from gauge.
1957			Stanhope	3 mi N	Stanhope	1 mi N

Summary of Earlier Records from 10-year Sheets :

	1910-19	1920-30	1931-40	1941-50	1951-60
Record D, or d	C 19.04	1910-17, 19 ✓ but - 13-14,	✓ ✓ but D 23, 29	✓ up 37-38 ✓ but - 31, 33	✓ ✓ but D 49