

RAINFALL AT Stanhope, Parson Byers Quarry

Lat.

Lon.

County of Durham

Copper-plate
wear - 2.

Rain Gauge, by

Observer Mr. Bell Brothers Ltd. Mr. J. 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	2.63	1.98
October					9.94	.68	1.83	5.42	6.38	3.02	3.30
November ..					1.33	2.40	6.22	3.14	2.26	1.62	.70
December ..					2.58	1.86	.64	2.31	4.38	1.18	3.15
TOTALS ..					24.24	24.74	26.12	28.81	28.12	30.53	

1903 Stanhope Church 1 mile S

" Station 3/4 " N

Tree 20 ft high 50 ft E

Plantation 23 ft high 20 yds E

10
35 34

RAINFALL at Stanhope Parson Pyrie Quarry

County of Durham

Observer Mef Bill Roberts Limited

River Basin Wear 2

28 June
22 July

Howard Rain Gauge, by

Diameter ...	5										
Height	6 8										
Altitude ...	84 1/2 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	5.75	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		1.26	
June	1.11	4.23	5.61	1.44	3.65	.52	3.09	1.55		1.20	
July	3.71	.23	4.17	1.43	1.80	4.56	3.77	.51		2.06	
August	4.30	2.61	6.11	1.65	2.59	3.25	2.31	9.40		2.60	
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 in 3	32.83 2	39.94 D	36.22	34.63	31.82 D	39.29 D	31.47 D	NR	31.00 D	

1912 Plantation 28 ft High 20 yds E
Refugee heap 50. 50 No W

Date.	Lat. N.	Long.	Railway Station.	Distance.	Direction.	Church.	Distance.	Direction.
1911	44°	2"	W Stanhope	3/4 mi.	N	Stanhope	1 mi.	N

RAINFALL at Stanhope Parson QuarryCounty of DurhamObserver Messrs Bell Bros LtdRiver Basin Wear 2

(1923) Messrs Dorman, Long & Co. Ltd.

Howard Rain Gauge, by

Diameter ...	5										
Height	6.6										
Altitude ...	846										
Year	1920	1921	1922	1923	1924	1925	1926	1927	1928	1929	1930. Means
January ...	3.18	4.76	3.91	1.40	2.83	3.24	4.99	3.09	4.85	1.63	4.68
February ...	1.54	1.2	2.84	5.04	.72	3.91	2.84	1.53	2.03	1.25	2.50
March	2.94	1.54	1.55	1.52	.95	2.15	.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	.65	2.51	5.87	3.88	1.89	1.96	1.94	1.15	1.81
June	1.05	.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...	3.78	2.37	4.36	3.18	4.35	3.92	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
	1	d	d	3	2	3	3	d	d	5	2

1920 Observation 55 ft high 20 ft E.
 Refuse Heap 50 " " 100 " W.
 (100 ft N.E.)

1922 Office 18 ft. high. 27 ft. E.
 Refuse Heap 50 ft. high. 50 yds. N.

Position of Station on reduced Ordnance Survey } No. of Map _____ Reference No. _____
 Map, 2 miles to 1 inch Series

Date.	Lat. N.	Long.	Railway Station.	Distance from gauge	Direction from gauge	Parish Church.	Distance from gauge	Direction from gauge
1920	44°	2°	Stanhope	N.E.R.	3/4 mi	N	Stanhope	1 mi N

RAINFALL at Stanhope (Parson Byers ay.)

County of DurhamObserver Messrs. Dorman, Long & Co. Ltd.River Basin Wear - 2.Type of Gauge Gauged M.O. (1937)Annual Average 31.7 in. based on 22 years obs. un-weighted. Period of average 1931-1952 Ref. S

669374/26

Diameter	5.											
Height	6.8.											
Altitude	846.											
Year	1931	1932	1933	1934	1935	1936	1937	1938	1939	1940	Means	
January	2.66	3.06	1.83	1.80	1.51	5.00	3.48	4.35	6.45	1.68	3182	
February	4.20	1.04	6.30	.02	5.70	2.43	2.29	1.50	2.32	2.40	2626	
March	2.07	1.62	.85	4.25	.62	2.54	1.84	.87	4.35	3.12	2218	
April	3.85	3.92	1.35	6.01	3.90	1.13	1.44	.36	1.46	2.19	2581	
May	4.20	4.18	2.66	1.73	.50	1.89	2.69	2.80	1.57	.79	2301	
June	4.57	1.05	1.29	2.15	1.57	2.77	.88	2.88	2.34	.48	1998	
July	3.77	2.79	1.34	2.64	.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	.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	2.52	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	.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	33008	

1931. Office 18' high 7 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 obs.

1938 n/jv low. Office 16' high 10 yds E.

1940. Office 18' high. 12 yds N.

Position of Station on reduced Ordnance Survey Map, } No. of Map.....

1 mile to 1 inch Series

Reference No.....

Date.	Lat. N.	Long.	Railway Station.	Distance from gauge	Direction	Parish Church.	Distance from gauge	Direction
1931.			Stanhope LNER	$\frac{3}{4}$ m	N.	Stanhope	1 m	N.
1937			Stanhope LNER	$\frac{1}{2}$ m	N.	Stanhope	1 m.	N.
			" "	1 m.	N.	"	$1\frac{1}{4}$ m.	N.

Station No. 3534

RAINFALL at Stanhope (Russon Byers Ry)

41

County of Durham

Observer James Dorman Long & Co. Ltd.

River Basin Wear - 2

Type of Gauge M.S. Anemometer

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

File No. 660374/26

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	Means
January	4.45	2.68	4.16	2.85	5.40	3.05	3.43	10.03	1.44	2.08	39.54
February	3.90	1.42	1.93	2.47	2.93	1.36	(4.50)	2.11	2.53	5.15	28.30
March	2.62	1.41	1.28	.50	.86	1.72	5.87	2.26	.82	1.20	18.54
April	1.50	1.66	2.41	1.58	2.83	.86	7.44	1.89	2.30	2.45	24.92
May	1.64	2.00	3.34	1.89	3.23	2.58	2.33	2.25	.98	1.69	21.93
June	.30	1.11	1.82	1.84	2.94	1.31	3.60	5.17	1.02	.98	20.09
July	1.93	2.64	1.61	2.70	1.71	3.11	2.32	.78	2.28	3.69	22.77
August	2.23	3.08	4.51	1.51	3.63	3.46	.17	4.52	1.77	4.53	29.41
September	.13	3.00	3.00	5.85	1.58	4.75	2.19	2.61	2.92	4.94	30.97
October	4.92	2.33	2.48	5.24	4.39	.81	.87	1.65	3.82	1.82	28.33
November	3.35	.84	3.02	7.55	.69	6.63	2.86	1.74	5.34	7.00	39.02
December	1.10	2.98	1.78	2.80	1.72	2.94	2.19	3.44	5.57	1.46	25.78
TOTALS	28.07	25.15	31.34	36.78	31.91	32.58	37.77	38.45	30.56	36.99	329.60

1941: Office 18' high, 35' S.W.

1945: 18' 45' E

1947 Feb. est. March part est. June - May - June app. Office 18 ft. 12' 46" N.

20004

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	Parish Church.	Distance from gauge.	Direction
1941 1945			Stanhope	1 mile 3/4 ml.	N.	Stanhope	1 1/2 miles 1 ml.	N.

BRITISH RAINFALL ORGANIZATION

Station No. 3534

RAINFALL at Stanhope (Parson Byers Ry.)

51

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. in weighted. Period of average 1881-1915 Ref. S

" 33.11 " 39 " within 1916-1956 " " 1916-1956 File No. 669374/26 5

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 ...	3.97	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
October83	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	25.99	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'	10

1957 Office 18', 12.10 N;

Position of Station on Ordnance One-Inch map :

No. of Map.....

National Grid Reference

N/35/997576

Date.	Lat. N.	Long.	Railway Station.	Distance Direction from gauge	Parish Church.	Distance Direction from gauge.
1881			Stanhope	3.40 N	Stanhope	1.42 N

Summary of Earlier Records from 10-year Sheets :

Record D, or d	1910-19	1920-30	1931-40	1941-50	1951-60
C1904	1910-17, 19 ✓ but - 13-14.	✓ ✓ but - 23, 29	✓ but 37-38 ✓ but - 31, 33	✓ ✓ but 44	