

RAINFALL AT Hayfield Tunnstead Clough

Lat. Lon. County of Derby
 The London Rain Gauge, by No. 2 Observer, G. H. Wallis Esq. & H. Lowry Wallis Esq.
 after survey - 1. verified (E. M. Eaton Esq. & R.)

Diameter ..			5								
Height			13								
Altitude ..			960								
Year	1900	1901	1902	1903	1904	1905	1906	1907	1908	1909	MEANS.
January ..			2.91	2.73	3.33	2.22	5.05	1.37	2.47	1.56	
February ..			1.62	2.93	4.46	2.06	3.13	1.70	3.28	2.55	
March			2.76	4.51	2.37	3.72	2.78	2.89	3.21	2.79	
April			2.44	2.46	1.97	2.78	2.11	2.16	2.89	2.47	
May			3.77	2.40	2.65	1.01	4.81	3.88	3.02	2.30	
June			2.12	1.36	1.19	2.56	1.83	5.57	1.77	3.28	
July			2.53	3.39	2.16	2.21	2.08	2.92	3.85	4.95	
August			4.04	4.51	4.73	4.57	2.53	4.34	2.78	3.02	
September ..			1.28	5.07	1.54	2.56	1.69	.66	3.05	3.00	
October			4.93	8.20	1.18	3.41	6.03	5.44	1.08	4.94	
November ..			2.29	3.59	2.96	5.05	3.86	2.90	2.76	1.41	
December ..			3.17	2.19	2.12	.65	3.31	2.62	2.68	7.65	
TOTALS ..			33.86	43.34	30.65	32.75	40.21	36.45 [†]	32.79	39.92	

† 1907 Looks short. Mr. Wallis says correct.

N.B. Rejected from Survey as 7" Low.

1908-1933, Received & entered September 1934.

Erected 18. XII. 01 H.S.W. In place sloping to N.W.

† 31. VII. 02 H.S.W. It had been moved by J. Walker under instruction. Perfectly satisfactory pos. in gently sloping place

RAINFALL at Hayfield, Linstead BloughCounty of DerbyshireObserver Stockport W.V.River Basin Upper-Trent - 1J. Saunders Esq.Snowdon Rain Gauge, by N.G.G.

Diameter	5										
Height	1.3										
Altitude	960										
Year	1910	1911	1912	1913	1914	1915	1916	1917	1918	1919	1920
January	3.02	1.49	2.90	2.68	2.69	5.18	3.50	2.25	2.60	4.60	
February	3.34	3.30	1.16	1.09	2.41	4.51	6.16	1.16	3.62	1.42	
March	.66	1.97	3.84	4.52	4.17	1.70	2.18	3.10	1.96	6.28	
April	4.29	2.65	1.08	3.48	1.51	1.40	2.80	2.09	2.20	2.21	
May	2.66	1.35	2.86	2.67	2.85	1.45	2.53	1.87	3.59	1.75	
June	3.58	3.26	4.54	2.15	3.56	2.08	4.61	2.31	2.07	2.44	
July	5.24	.38	5.11	1.65	4.67	4.18	2.88	1.68	4.82	3.20	
August	4.98	2.51	7.78	2.35	4.40	4.43	2.75	5.62	4.20	4.10	
September	.69	2.72	2.46	1.62	3.14	.82	2.87	1.88	9.55	2.42	
October	2.25	2.54	3.04	3.06	3.20	2.21	5.31	4.75	2.53	4.07	
November	4.57	4.10	2.32	3.12	4.68	3.49	4.02	3.73	2.18	2.94	
December	5.88	6.08	4.22	2.75	6.65	8.22	3.65	2.97	6.85	7.10	
TOTALS	41.16	32.35	41.31	31.14	43.93	39.67	43.26	33.41	46.17	42.53	

1908-1933. Records received & entered September 1934.

Position of Station on reduced Ordnance Survey
Map, 2 miles to 1 inch SeriesNo. of Map. 27

Reference No.

Date.	Lat. N.	Long.	Railway Station.	Distance from gauge	Direction from gauge	Parish Church.	Distance from gauge	Direction from gauge

BRITISH RAINFALL ORGANIZATION, EXHIBITION ROAD, LONDON, S.W.7.

RAINFALL at Hayfield, Sunnyside Blough
 County of Derbyshire Observer Stockport W.H.
 River Basin Upper Inverby - 1
Snowdon Rain Gauge, by H. G. G.

Diameter	5											
Height	1.3											
Altitude	960											
Year	1920	1921	1922	1923	1924	1925	1926	1927	1928	1929	1930	
January	4.34	4.88	4.12	4.49	2.36	3.38	4.02	3.19	8.30	2.13	4.56	
February	4.96	5.7	5.08	4.71	1.07	6.10	3.26	2.19	4.75	.09	.86	
March	2.23	2.40	1.83	2.00	.82	2.35	1.59	5.31	2.31	.94	3.20	
April	5.15	1.89	3.15	3.25	1.96	2.05	2.26	4.16	1.45	1.57	3.32	
May	4.93	1.73	.87	3.86	5.43	3.85	3.34	1.31	1.08	2.7 _x	2.49 _x	
June	3.41	.30	2.40	1.63	1.63	.27	2.69	5.89	5.50		2.60	
July	5.55	1.07	4.80	4.63	4.13	2.47	2.94	2.66	1.85	3.35	7.05	
August	2.21	4.18	6.11	4.95	6.91	3.45	4.21	5.63	5.85	3.95 _x	5.84	
September	2.20	1.10	3.87	4.81	5.04	4.50	3.14	8.05	.70	1.75	4.40	
October	2.30	2.06	1.46	3.58	5.50	5.87	4.16	3.44	5.70	5.24	5.96	
November	1.06	2.35	2.76	4.81	2.59	4.60	4.94	4.90	5.98	7.54	4.50	
December	3.31	5.40	3.96	4.37	3.35	3.32	2.45	1.37	2.60	7.16	3.99	
TOTALS	41.65	27.93	40.41	47.09	40.79	42.21	39.00	48.10	46.07	imp.	48.77	

1908-1933, Records received & entered September 1934.

1929 June gauge impeded, Sept. gauge compared with. 1930 June gauge compared with.

Position of Station on reduced Ordnance Survey
 Map, 2 miles to 1 inch Series

No. of Map 27

Reference No.

Date.	Lat. N.	Long.	Railway Station.	Distance from gauge	Direction	Parish Church.	Distance from gauge	Direction

26/4/67

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RAINFALL at Hayfield, Tunstead Clough

County of Derbyshire

Observer Stockport W.I.

River Basin Upper Mersey - 1

2.564 in. Eq.

Type of Gauge Snowden H. G.

Stockport bog W.I.

Annual Average in. based on years obs. un-weighted. Period of average Ref.

f 667593/26

Diameter	5										
Height	1.3										
Altitude	960										
Year	1931	1932	1933	1934	1935	1936	1937	1938	1939	1940	Means
January	6.22	11 ^x	2.30	2.16	2.64						
February	5.30	3.5	4.07	2.8	4.90						
March	2.8	2.56	2.87	3.72	1.47						
April	4.92	2.41	1.53	2.86							
May	2.51	4.73	3.8	2.28							
June	4.43	.93	2.21	2.10							
July	5.02	4.55	2.32	3.96							
August	6.75	1.36	^x	2.50							
September	5.50	3.74	^x	3.16							
October	1.69	7.88	5.54	6.20							
November	5.19	2.80	2.21	2.67							
December	1.88	1.46	.58	5.59							
TOTALS	49.69	32.88	imp	37.38							

1908-1933 Records received & entered September 1934.

1932 Jan. gauge tampered with. 1933 May, Aug. & Sept. gauge tampered with.
 Inspected 6/9/34. Overexposed New (retained) gauge (to be set up and
 called Sett (Tunstead Clough) and the existing
 gauge the withdrawn.
 # T. 21/3/35 S. moved 350 yds ENE to Sett (Tunstead Clough) 2643/7

Position of Station on reduced Ordnance Survey Map, }
1 mile to 1 inch Series

No. of Map... 27

Reference No.....

Date.	Lat. N.	Long.	Railway Station.	Distance from gauge	Direction from gauge	Parish Church.	Distance from gauge	Direction from gauge

RAINFALL at ^{Hayfield} Seft (Tunstead Clough) (B.R. 1936) K. 11

County of BuckinghamObserver Stockport W.W.River Basin upper trout - 12. Daughen Co.Type of Gauge M.O.Stockport large" W.W.Annual Average 43.3 in. based on 7 years obs. wt-weighted. Period of average Ref

F 667593/36

Diameter						5					
Height						1.0					
Altitude						1125					
Year	1931	1932	1933	1934	1935	1936	1937	1938	1939	1940	Means
January						3.97	5.26	4.45	6.49	(2.70)	
February						3.42	6.74	1.49	3.44	(3.60)	
March						2.93	7.13	1.78	2.69	2.92	
April					#3.22	1.20	4.01	4.4	3.18	3.38	
May					.33	1.94	2.48	3.65	2.21	1.05	
June					3.58	3.62	1.78	(4.00)	2.62	1.00	
July					2.12	7.83	4.55	(5.30)	6.98	4.59	
August					1.77	2.50	1.13	2.90	2.21	2.27	
September					5.90	7.39	1.12	3.21	1.32	3.55	
October					7.83	4.77	3.45	6.56	3.80	3.93	
November					5.90	4.98	2.12	4.66	6.50	7.95	
December					4.40	4.74	3.93	6.39	2.56	4.43	
TOTALS					imp	49.09	43.70	(44.83)	44.05	41.37	M

G. from Hayfield (Tunstead Clough) 1/4/35
 1938 June & July estd. as gauge was damaged with.
 1940. Jan & Feb. part estd.

Footings B.R. 1936. Turf wall round gauge.

Position of Station on reduced Ordnance Survey Map, } No. of Map 27 Reference No.
 1 mile to 1 inch Series

Date.	Lat. N.	Long.	Railway Station.	Distance from gauge	Direction from gauge	Parish Church.	Distance from gauge	Direction from gauge
			Hayfield	2.627 yds	88° N of N	Hayfield	2.550 yds	80° N of N

Station No. FE 2643/7RAINFALL at Hayfield (Tunstall Bridge)

41

County of DerbyshireObserver Stockport Corp's W.W.River Basin Upper MerseyType of Gauge no.Annual Average 43.3 in. based on 9 years obs. un-weighted. Period of average 1881 - 1915 Ref I.W.S.File No. 667593/26

Diameter	5"			55.8	45.1						
Height	1' 0"				1						
Altitude	1125'				41						
Year	1941	1942	1943	1944	1945	1946	1947	1948	1949	1950	Means
January	3.60 (4.21)	5.37	6.80	4.77	5.22	3.50	10.00	3.70	3.62		
February	6.50 (2.39)	3.40	3.62	(4.50)	6.51	(2.00)	3.34	2.22	4.73		
March	5.25	2.86	1.23	1.31	1.68	1.90	(7.20)	1.40	2.57	2.00	
April	2.37	1.60	1.60	3.05	2.09	1.65	2.95	1.95	3.94	3.46	
May	3.63	3.86	2.78	5.81	3.55	1.63	3.80	1.30	2.40	1.20	
June	2.69	1.17	3.32	3.48	3.59	3.77	2.37	5.52	1.40	2.58	
July	3.38	5.22	1.83	3.91	1.90	5.00	3.30	2.74	(1.90)	3.11	
August	6.25	3.90	4.95	3.23	3.10	5.30	.52	5.80	4.03	4.10	
September	.68	3.25	5.31	5.11	2.00	5.68	2.11	2.70	2.00	5.81	
October	5.27	7.17	2.80	(4.50)	6.10	1.37	1.00	2.86	4.50	2.25	
November	3.46	1.55	3.93	7.14	.53	6.79	5.80	2.75	5.50	5.00	
December	3.38	3.87	2.55	3.40	(3.20)	4.91	5.60	3.45	6.05	4.25	
TOTALS	45.66 (41.05)	39.07	51.36	37.01	49.73	40.15	43.81	40.21	42.31		

42 Jan. Feb est'd. by observer. 20004 30004 20404
 1945 n.p. low Feb. & Dec. part cold. 17.1.46 slight leak in container - replaced. Injunct to be repaired.
 1947 Feb. part cold.
 1948. Wall 5' high 50 yds E. Bridge situated on steep slope, open to the south.
 1949 July est. 60004 00044

S Turf Wall round gauge.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.	Direction from gauge.
1941			Hayfield	2.627y	85° W of N	Hayfield	2.550y	83° W of N

BRITISH RAINFALL ORGANIZATION

Station No. 2643/7

T.F. 32

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RAINFALL at 5 HAYFIELD (TUNSTAD CLOUGH)County of DERBYObserver STOCKPORT CORPN. W.W.River Basin MARSKY, UPPER - 1Type of Gauge N.O. OctopedAnnual Average 43.3 in. based on 9 years obs. un-weighted. Period of average 1881-1915 Ref. I.W.S.File No. 662093/26
E 22487/52

Diameter ...	5"			558	451						
Height ...	1' 0"				1			1' 1"			
Altitude ...	1125'			51				1350'			
Year ...	1951	1952	1953	1954	1955	1956	1957	1958	1959	1960	Means
January ...	(5.13)	5.40	2.85	4.27	8.28	6.88	(2.59)	4.35	4.50	8.05	
February ...	4.59	2.82	4.05	3.43	2.75	(2.25)	3.20	(7.50)	.45	4.80	
March ...	6.45	2.80	2.75	3.45	4.04	2.03	2.85	2.45	2.20	1.70	
April ...	3.06	3.20	3.05	1.20	1.95	1.80	(.50)	1.20	3.08	2.33	
May ...	2.50	3.00	2.25	3.50	4.64	1.55	1.25	3.90	.70	2.25	
June ...	1.50	3.05	2.65	3.00	3.40	3.06	1.55	5.45	1.80	1.22	
July ...	3.21	4.50	5.30	6.75	.80	5.50	6.45	5.72	4.00	7.53	
August ...	6.00	2.45	4.60	6.15	.60	9.20	6.75	4.05	.45	7.08	
September ...	2.53	4.90	2.75	4.60	1.78	4.30	8.35	5.45	.07	4.75	
October ...	1.26	5.25	2.80	8.50	2.38	(2.64)	3.96	4.65	3.70	6.15	
November ...	9.36	3.55	3.10	7.36	2.80	1.78	2.70	2.10	6.00	6.75	
December ...	5.81	4.05	2.15	7.50	5.14	(6.96)	5.45	4.10	7.15	4.60	
TOTALS ...	51.52	44.97	38.30	59.71	32.86	(47.83)	45.60	50.82	34.10	57.21	
	M	M					472	M	M	M	

1951 Jan. est. by g. wall 5' at 50° E. Gauge set on steep slope then to the S, snow lay long wall.

1955. Gauge est'd by g. gauge tampered with.

1956. Jct. Oct. Dec. est'd 1103.

Jct. 1957 Jct. Hillside overhollow SE-SW. Post turf wall. Re. more g. higher before by 4.4. J. revised at end of 1958 at higher level.

1957 J. revised at end of 1958 at higher level.

Turf wall Annual Averages 44.44 in based on 19 years Dec within 1936-56. 6" low. Period of average 1916-50. Ref. S. **Rejected.**

Position of Station on Ordnance One-Inch map :

No. of Map 111National Grid Reference SK 064867

Date.	Lat. N.	Long.	Railway Station.	Distance Direction from gauge	Parish Church.	Distance Direction from gauge.
1951	40004		Hayfield	2627 ^x 95° W.N.	Hayfield	2550 ^x 83° W.N.

Summary of Earlier Records from 10-year Sheets :

Record D, or d	1910-19	1920-30	1931-40	1941-50	1951-60
			Camp 1935	✓ n.p. 45	