

RAINFALL AT Hayfield Tunstead Clough

Lat.

Lon.

County of Derby

2-in. Standard Rain Gauge, by N & Z

Observer G. H. Hill Esq., M.A., F.R.S., F.L.S., Wallis Esq.
T. M. Eaton Esq., R.A.

Upper measure - 1. verified

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	2.27	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	2.73	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	1.18	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	2.73	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	43.84	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. VIII. 01 N.W. In field sloping to N.W.

† 31. VII. 02 N.W. It had been moved by T. Walker under instruction. Perfectly satisfactory pos. in gently sloping field

RAINFALL at Hayfield, Tunstead, Glos.County of DerbyshireObserver Stockport W.M.River Basin Upper Teme Valley - 1J. Boardman Pay.Snowdrift Rain Gauge, by N.A. J.

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	1.66	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	3.38	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	1.69	2.72	2.46	1.62	3.14	1.82	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	2.83	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 } No. of Map. 27 Reference No.
Map, 2 miles to 1 inch Series

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

RAINFALL at Wagstaff, Tinsley SloughCounty of DerbyshireObserver Stockport W.M.River Basin Upper DerwentJ. Pearson Esq.Snowdon Rain Gauge, by H.A.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	.57	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	2.76	2.49
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	2.27	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	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 replaced, Sept. gauge tampered with. 1930 June gauge tampered with.

Position of Station on reduced Ordnance Survey } No. of Map..... 37 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
(*1936) WL 2153-1393 406	51°10' S.	1.18						
(*1973-1386) WL 1174-0605	50°59' S.	1.18						

0648/6/9

RAINFALL at Hayfield, Tunstead Clough

County of Derbyshire

Observer Stockport W.W.

River Basin Upper Temesey = 1

2 per cent Pg.

Type of Gauge Sondeon N.W.Y.

Stockport boreh' w.w.

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

£ 667593/46

Diameter	5										Means
Height	1.3										
Altitude	960										
Year	1931	1932	1933	1934	1935	1936	1937	1938	1939	1940	
January	6.22	1.11	2.30	3.16	2.64						
February	5.30	3.35	4.07	2.23	4.90						
March	2.28	2.56	2.87	3.72	1.47						
April	4.92	2.41	1.53	2.86							
May	2.81	4.73	3.38	2.28							
June	4.43	1.93	2.21	2.10							
July	5.02	4.55	2.32	3.86							
August	6.75	1.36		2.50							
September	5.50	3.74		3.16							
October	1.69	7.88	6.54	6.20							
November	5.19	2.80	2.21	2.67							
December	1.88	1.46	1.58	5.59							
TOTALS	49.69	32.88	imp	37.38							

1932-1933 Records received & entered September 1934.

1932 Jan. gauge tampered with. 1933 May, Aug. & Sept. gauge tampered with.
 Inspected 6/9/34. Overreplaced New (setapent) gauge (the set up and
 called Sett (Tunstead Clough) and then existing
 gauge was withdrawn.)
 # T. 313/35 S. moved 250 yards ENE to Sett (Tunstead Clough) 2643/7

Position of Station on reduced Ordnance Survey Map, } No. of Map 87 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

RAINFALL at Hayfield Sext (Tunstead Clough) (B.R. 1939) K.L.

County of Berkshire

Observer Stockport W.W.

River Basin Upper Thames - 1

J. Daugler Cog.

Type of Gauge M.C.

Stockport large W.W.

Annual Average 43.3 in. based on 9 years obs. un-weighted. Period of average _____ Ref. _____

F 667593/26

Diameter	1931	1932	1933	1934	1935	1936	1937	1938	1939	1940	Means
Height						1.0					
Altitude						1125					
Year	1931	1932	1933	1934	1935	1936	1937	1938	1939	1940	
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	1.44	3.18	3.38	
May						1.33	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	6.80	7.95
December						4.40	4.74	3.93	6.39	2.86	4.43
TOTALS						imp 49.09	43.70	(+4.83)	44.05	41.37	M

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

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
.			<u>Hayfield</u>	2,627 yds	88° N of N	<u>Hayfield</u>	2,650 yds

Station No. TF. 2643/7

RAINFALL at S. Hayfield (Lunstead Glance) ✓

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County of Derbyshire

Observer Stockport Corp. W.W.

River Basin Upper Mersey 1

Type of Gauge M.D.

Annual Average 3.3 in. based on 9 years obs. un-weighted. Period of average 1881 - 1915 Ref. I. W.S.

File No. 667593/26

Diameter	5"			558	451						
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	2.87	1.60	1.60	3.05	2.09	1.65	2.95	1.95	3.94	3.66	
May	3.83	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	1.66	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	5.00	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)	39.04	51.30	37.01	49.73	40.15	43.81	40.21	42.31	

42 Jan. Feb est'd. by observer
 1945 n. low Feb & Dec. past cold. 17.1.46 slight leak in container - replaced.
 1947/56 new gage now.
 1948. Wall of wet soyle E. Gage 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, 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.
1941			Hayfield	2.627y	83° W of	Hayfield	2.350y 83° W of

Station No. 2643/2 T.F.32

RAINFALL at S HAYFIELD (TUNSTERS LOUGH)County of DERBYObserver STOCKPORT CORP. W.W.River Basin MERSEY, UPPER - IType of Gauge N.O. OctagonalAnnual Average 43.3 in. based on 9 years obs, unweighted. Period of average 1881-1915 Ref. I.W.S.File No. 667093/26
B22487/58

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Diameter ...	5"	558 451									
Height ...	1' 0"			1				11' 1"			
Altitude ...	1125'			51						1350'	
Year ...	1951	1952	1953	1954	1955	1956	1957	1958	1959	1960	Means
January ...	(5.15)	5.40	2.85	4.27	8.28	6.88	(2.59)	4.25	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	2.08	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	5.60	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 ...	1.86	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 ...	61.62	44.97	38.30	59.71	32.86	(47.83)	45.60	50.82	34.10	57.21	
	M	M					M	M	M	M	

1951 Jan. est. by bag. Wall 5' at 50°E. Gauge set on steep slope down to the S.,
near dry turf wall.

1955 - June 1954 est. by bag gauge tampered with.

1956 - July, Oct., Dec. est'd 1953.

Sept. 1953 (1953) 11.07. Hillside embankment SE-SW. Foot of wall. Re-measured higher
in former by N.W. & raised it end of 1958 at higher level.

1957 Apr. - low 19.58 (from)

Third wall Annual Averages 44.94 in based on 19 years data with 1936-56. 6" low.
Period of average 1916-50. Avg. S. RejectedPosition of Station on Ordnance One-Inch map : No. of Map 111 National Grid Reference SK 064 867

Date.	Lat. N.	Long.	Railway Station.	Distance Direction from gauge	Parish Church.	Distance Direction from gauge.
1951	40004		Hayfield	2627 ^x 85°W.N.	Hayfield	2550 ^x 83°W.N.

Summary of Earlier Records from 10-year Sheets :

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