

RAINFALL at Denholm Spital Lower.

County of Roxburgh.

Observer Mr. Greenfield Leadbetter Esq.

River Basin Tweed Sheet No 3.

Rain Gauge, by the Weather Bureau (Edin.)

Diameter ...											5
Height											9
Altitude.....											410
Year	1910	1911	1912	1913	1914	1915	1916	1917	1918	1919	MEANS.
January.....						3.50	3.00	2.90	2.73		12.13
February ...						4.55	.80	2.88	1.47		9.70
March						4.24	.87	1.48	2.10		7.69
April						2.19	3.31	1.08	1.62		8.20
May						3.85	1.69	2.13	1.02		8.69
June						1.79	2.02	.50	.95		5.26
July						4.45	2.09	3.82	.82		11.18
August						5.04	7.93	1.94	2.60		17.51
September...						2.25	1.86	6.04	1.66		11.81
October.....						4.18	3.36	4.26	3.26		15.06
November...						3.93	2.60	1.81	4.13		12.47
December ...						2.56	2.21	1.85	4.03		10.65
TOTALS ...						42.53	31.74	29.69	26.39		130.35

1916-18 avg. 15.1.20. Edin. 4.1.22

Garden wall. 10ft. high 30ft. W.
Potting shed 12ft. > 25ft. E.

Date.	Lat. N.	Long. W.	Railway Station.	Distance.	Direction.	Church.	Distance.	Direction.
1919.	55° 27' 12" N	23° 9' 18" W	Hawick	2 3/4 mi	NW	Caves Bedrule	3 1/4 mi	WSW

RAINFALL at Denholme (Spital Tongue)

County of Roxburgh. Observer Mr. Greshfield Leadbetter
River Basin River Tweed, Berwickshire.

Rain Gauge, by Eddie Wallaby, Esq.
(Ret'd.)

Diameter ...	5												
Height	0.9												
Altitude ...	410												
Year	1920	1921	1922	1923	1924	1925	1926	1927	1928	1929	MEANS.		
January	2.53	5.39	2.38	4.77	2.43	3.10	3.49	2.96	5.33	.90	3.46		34.76
February	2.33	3.5	2.99	3.62	1.58	4.93	2.77	1.07	3.09	1.20	.69		23.92
March	2.64	2.91	1.89	1.07	1.04	2.36	1.62	2.27	3.73	.09	2.21		22.83
April	2.25	4.9	2.35	2.56	1.18	2.88	2.60	2.16	1.02	1.32	1.67		20.48
May	3.14	2.14	1.73	1.49	3.77	5.33	2.84	1.87	1.86	1.40	1.21		25.78
June	1.24	.74	1.22	.98	1.78	.57	3.32	3.27	5.31	1.52	1.92		21.87
July	4.63	2.67	4.79	2.19	3.89	1.19	3.12	3.07	1.75	2.82	5.20		36.32
August	2.72	5.58	2.84	5.69	2.94	2.78	3.42	5.84	4.84	4.85	5.25		47.85
September	1.62	1.79	2.53	2.19	3.68	4.72	4.50	6.38	1.72	.58	2.43		32.14
October	1.56	3.32	2.77	2.90	2.92	2.80	3.58	3.11	5.89	2.90	4.05		35.80
November	2.00	1.46	.64	4.05	1.42	1.75	3.72	2.63	3.46	3.35	3.35		27.83
December	2.49	3.51	2.89	2.24	5.00	3.88	.83	2.19	2.06	5.66	2.96		34.71
TOTALS...	33.17	30.35	28.02	30.75	30.93	36.29	35.81	36.82	40.06	27.59	34.60		364.29

1928. Sheds 7 ft. high to eaves on two sides, 6 ft. on one side E. other side open.

1930. Walls 4 ft. high 85° S. Hafgum trees 45° W. Weeping trees 45° N.

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

Date.	Lat. N.	Long. W.	Railway Station.	Distance from gauge	Direction	Parish Church.	Distance from gauge	Direction
1920.	55° 2' 12" N	2° 59' 18" W	Hawickdale (C.W. 92a)	2 1/4 m.	N.W.	Craighead	3 1/4 m.	W.N.W.

RAINFALL at Denholm (Spire Tower)

County of Roxburgh

Observer T.G. Leadbetter

River Basin 3-Tweed Grist sc.

Type of Gauge

Annual Average 32.7 in. based on 17 years obs. un-weighted. Period of average 1931-1947 Ref 5

Diameter	5"											Means
Height	0' 9"											
Altitude	410'											
Year	1931	1932	1933	1934	1935	1936	1937	1938	1939	1940		
January	1.92	3.24	2.74	2.89	1.61	3.77	3.38	3.45	5.20	1.12	28.82	
February	1.99	3.22	2.76	1.14	2.02	3.11	3.16	1.17	2.32	1.21	18.20	
March	1.25	2.55	1.08	3.84	1.98	1.91	2.41	1.03	3.53	3.71	21.84	
April	2.23	2.30	1.29	4.11	3.45	1.48	1.82	1.33	1.29	1.91	20.21	
May	2.60	2.71	1.52	2.13	1.99	1.09	3.75	3.01	1.31	1.84	20.95	
June	4.94	1.27	1.08	2.20	4.34	2.22	1.34	3.50	2.48	1.83	25.23	
July	3.23	2.44	4.60	2.48	1.05	4.40	3.29	4.31	2.69	6.99	35.48	
August	4.30	1.31	1.72	3.40	3.32	1.69	3.31	2.30	1.66	.91	23.98	
September	1.58	4.14	1.31	2.86	3.44	3.46	1.79	1.87	1.79	2.74	23.98	
October	1.98	4.80	3.20	4.81	5.66	2.25	2.49	4.86	3.36	2.42	36.13	
November	4.20	1.14	1.84	1.80	3.77	3.69	1.73	6.37	2.26	2.66	28.48	
December	1.24	3.10	.78	3.51	1.00	3.09	3.27	2.35	1.00	2.67	21.91	
TOTALS	31.49	29.32	23.92	33.17	30.63	32.16	31.04	34.60	28.89	29.99	305.21	

1931. Garden shed 10' high 30'E. Wall 9' high 33'S. Wood on bank 45' N.W.
Space - WestPosition 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.			Hanenden	3 m.	N.	Bedrule,	1 m	S.E.

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

Station No. 5047

RAINFALL at Denholm (Spiral Tower)

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County of Roxburgh

Observer J. G. Headbutter, Esq.

River Basin Tweed-Twin

Type of Gauge B.A.

Annual Average 27.7 in. based on 17 years obs. un-weighted. Period of average 1881-1915 Ref. 2

File No.

Diameter	5"					915	251				
Height	0' 9"			0' 6"				1			
Altitude	410'	Composed building cont'd above 45°	425'					44			
Year	1941	1942	1943	1944	1945	1946	1947	1948	1949	1950	Means
January	2.03	2.94	3.47	1.54	4.14	2.34	2.45	5.59	1.90	1.76	2816
February	3.06	2.18	1.60	1.63	2.57	.89	1.20	2.14	1.50	3.93	2070
March	2.27	1.31	1.20	.48	1.17	1.81	3.46	1.50	.80	2.06	1606
April	1.21	1.19	1.46	1.45	1.20	.59	4.75	2.02	1.45	2.47	1779
May	1.91	2.47	3.99	2.12	3.83	1.73	3.12	1.21	1.88	1.54	2380
June	1.57	.97	2.99	2.10	2.95	2.69	2.66	4.42	1.15	2.19	2369
July	1.50	2.11	2.26	2.66	1.74	2.79	4.05	1.57	1.70	3.29	2367
August	4.18	1.54	5.35	1.76	2.14	4.76	.27	8.44	1.88	3.63	3395
September	1.05	2.73	2.39	5.36	2.89	3.26	1.60	2.71	1.38	4.46	2783
October	2.98	2.51	2.90	2.29	3.38	.77	.68	2.16	4.92	1.49	2408
November	2.63	.57	1.19	5.47	.67	4.47	3.26	1.80	3.35	4.48	2789
December	0.79	2.46	1.05	3.51	1.72	2.16	1.81	3.32	3.48	1.39	2169
TOTALS	25.18	22.98	29.85	30.37	28.40	28.26	29.31	36.88	25.39	32.69	28931

1944 Shed 13' high 12° E Wall 10' high 14° S Shed 14' high 14° S.W. Hedge 5' high 20° N.W. Tree 25' high 20° N.E. Tree 45' high 20° N. Gauge broken in same position some stations stalled - no change except total tree bear from a little.

1947 Tap connected for leak. Feb for snow. G tested and found in perfect order.

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
1944			Hawick	2.8 km	WNW	Bedrule	15.00 km	E

Station No. 5047

RAINFALL at Denholm (Spiral Tower)

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County of Roxburgh Observer J. H. Leadbetter Esq.

River Basin 3 - Tweed-Tearl & C

Type of Gauge B.A.

Annual Average 32.7 in. based on 12 years obs. un-weighted. Period of average 1881-1915 Ref. S
 345810 31.12 " " 35 " " 1916-1950 File No. P

Diameter ...	5"			915	251						
Height ...	0' 6"					1					
Altitude ...	425					51					
Year ...	1951	1952	1953	1954	1955	1956	1957	1958	1959	1960	Means
January	3.49	3.29	0.78	3.01	2.54	1.98	4.26	2.54	1.89	3.99	
February	2.76	.50	1.08	1.84	2.29	2.32	3.31	2.72	.77	3.41	
March	2.57	1.20	.37	1.85	1.84	1.14	(1.65	1.23	1.10	1.96	
April	2.52	2.27	3.14	.74	.58	.58	.47	2.00	2.13	1.38	
May	2.77	1.76	2.18	5.09	2.22	1.10	1.43	2.72	.60	1.18	
June	1.46	1.83	2.00	2.05	1.00	2.33	.92	2.61	2.83	1.84	
July	3.45	1.10	4.93	2.92	2.11	4.20	2.95	5.74	1.94	3.22	
August	2.55	3.64	2.33	5.50	.80	9.04	4.70	2.39	.45	5.03	
September	2.88	2.19	2.76	3.03	1.28	2.02	2.24	3.48	.98	1.50	
October	0.22	3.43	1.87	5.15	1.78	1.74	2.69	1.85	2.42	3.10	
November	5.60	3.76	2.98	4.30	1.17	.87	1.22	.73	5.36	3.23	
December	3.41	4.08	1.90	3.19	4.18	3.79	2.21	3.53	4.03	3.18	
TOTALS ...	33.78	29.05	26.32	38.67	21.19	31.11	28.05	31.54	24.50	32.52	
	D	D	D	D	D	D	P	D	D.	D.	

143.3 88.8 80.5 118.3 66.6 95.1 85.8

Position of Station on Ordnance One-Inch map :			No. of Map	National Grid Reference N.Y.(36) 587.152		
Date.	Lat. N.	Long.	Railway Station.	Distance from gauge	Parish Church.	Distance from gauge.

Summary of Earlier Records from 10-year Sheets :

1916-1950, P-accepted 343

Record D, or d		1910-19	1920-30	1931-40	1941-50	1951-60
		c 1916 ✓	✓	✓	✓	✓