

RAINFALL at Newcastle ForestCounty of RoxburghObserver John F. MacintyreRiver Basin 3. C.R. 4. Tweed Lower 5. Liffhadden

(1927) Forestry Commission of Scotland.

M.O.

Rain Gauge, by \_\_\_\_\_

Diameter ...							5				
Height .....							1.0				
Altitude ...							700				
Year .....	1920	1921	1922	1923	1924	1925	1926	1927	1928	1929	1930 MEANS.
January ...							5.60	4.65	12.67	1.87	8.88
February ...							6.30	3.11	5.97	1.22	.75
March .....							2.42	3.85	5.91	.91	4.03
April .....							4.00	3.49	1.60	1.88	2.18
May .....							2.08	2.60	2.88	2.82	1.68
June .....							3.39	4.60	8.39	1.44	4.68
July .....							6.37	5.38	6.59	4.94	7.67
August .....							4.94	6.97	8.19	9.49	7.89
September...							6.43	7.74	3.25	1.48	4.37
October .....							4.60	5.68	6.34	5.53	6.97
November...							6.84	6.50	7.76	9.19	5.85
December...							1.78	2.11	5.12	9.78	5.11
TOTALS...							54.75	56.68	74.67	50.55	60.06

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 from gauge	Parish Church.	Distance from gauge	Direction from gauge
1926	55 12N	2. 46W	Newcastle	3 m	E	Castleton	2 1/4 m	E' SE

RAINFALL at Newcastleton ForestCounty of RoxburghObserver Forestry CommissionRiver Basin S. EskType of Gauge M.O.Annual Average 49.5 in. based on 2 years obs. un-weighted. Period of average 1931-1932 Ref 5

Diameter	5"										
Height	1' 0"										
Altitude	700'										
Year	1931	1932	1933	1934	1935	1936	1937	1938	1939	1940	Means
January	5.30	7.48	5.69	7.61	2.82	3.56	5.27	7.14	6.79	3.01	
February	5.41	6.9	5.27	4.1	6.28	2.77	5.12	2.59	8.55	2.02	
March	1.99	3.82	2.64	3.90	1.92	2.61	1.91	3.48	4.08	6.45	
April	3.39	4.23	2.46	4.14	3.97	1.49	3.06	4.9	2.00	2.38	
May	3.69	3.43	2.03	3.83	.70	6.3	3.57	4.11	1.52	4.64	
June	7.04	2.42	3.01	3.39	4.73	4.20	2.65	5.45	4.12	1.06	
July	6.66	5.98	4.57	2.73	2.75	6.55	3.49	8.26	8.02	6.95	
August	4.06	1.56	4.58	6.13	4.47	2.76	1.70	3.33	2.98	1.85	
September	2.32	6.98	1.16	4.71	6.41	5.30	4.83	3.76	1.71	3.89	
October	4.87	6.59	3.94	7.82	6.58	4.63	3.17	10.17	3.64	(4.06)	
November	9.06	3.57	2.84	1.72	5.10	4.74	1.21	9.86	6.88	5.13	
December	4.46	7.60	1.20	6.91	2.98	6.73	4.20	3.36	2.44	(5.03)	
TOTALS	58.25 d	54.33 d	39.39	53.80 d	48.76	47.97	40.18 w	62.00 w	52.73 w	(46.46) n.p	

1940 np. too much estimation.

Gauge moved 17.2.41. 1/2 m. W.

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 from gauge	Parish Church	Distance from gauge	Direction from gauge
1931.			Newcastleton	3 1/2 m.	W.	Castleton	2 1/2 m.	N.W.
				2 1/2 m.	W.		1 3/4 m.	N.W.

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

Station No. 5059

RAINFALL at Newcastleton Forest

41

County of Roxburgh

Observer Forestry Commission

River Basin 8-Esk

Type of Gauge M.O.

Annual Average 4.85 in. based on 2 years obs. un-weighted. Period of average 1881-1915 Ref. S

File No.

Diameter	5"				612	706					
Height	1' 0"					1					
Altitude	700'		800'			41					
Year	1941	1942	1943	1944	1945	1946	1947	1948	1949	1950	Means
January	3.97	6.67	7.85	6.25	5.65	6.30	4.99	7.51	5.93	2.04	
February	4.25	1.70	4.21	1.05	6.16	3.20	1.13	5.25	5.15	4.30	
March	(3.20)	2.82	1.70	.28	3.40	3.30	3.82?	2.16	1.90	4.16	
April	1.68	(1.88)	3.05	2.45	3.85	1.13	7.62	4.24	5.23	3.07	
May	1.98	3.55	3.44	2.56	5.32	2.12	3.21	1.45	2.17	1.34	
June	0.95	1.23	3.65	5.89	6.10	6.64	4.43	4.70	1.33	2.81	
July	2.09	3.05	3.18	2.75	3.52	5.30	(5.42)	2.10	1.95	5.68	
August	7.15	3.51	5.35	2.45	2.40	7.95	.00	8.43	3.91	7.50	
September	1.37	5.70	6.34	(5.50)	7.55	6.60	4.20	8.24	1.38	9.44	
October	(5.05)	4.12	5.45	3.45	5.10	1.55	1.85	4.92	5.32	6.18	
November	4.50	.35	3.34	7.75	.90	7.62	(5.85)	6.07	5.55	4.91	
December	2.75	5.35	2.39	5.70	2.70	5.30	2.74	4.11	8.52	2.42	
TOTALS	38.94	39.93	49.95	46.08	52.65	58.01	45.26	59.18	48.34	53.85	
	W	W	W	n.p.	W	W	n.p.			W	
	10044	04004		00104		00424					

1944. n.p. low. Station inspected by T. Crofton 22/3/44. Gauge leaking & sheltered by heather. Gauge repaired and heather cut down letter 1/10/44. R. 4.55. Rep. 204.

1947. May, June, July, Oct. low. Affected by weather. July in added was 2.3 in added. 110.5 (b) Gauge tested and found to be sound. Other says omission occurred due to rain gauge. n.p. unreliable. Gauge tested 6.7.48 and found to be sound. 0/470

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.

BRITISH RAINFALL ORGANIZATION



Station No. 5059

RAINFALL at Newcastleton Forest

51

County of Roxburgh

Observer Forestry Commission

River Basin 8 - Eas

Type of Gauge M.O.

Annual Average 48.5 in. based on 2 years obs. un-weighted. Period of average 1881-1915 Ref. S  
" " 52.20 " " 12 " " within 1945-55. " " 1916-50 " S  
File No.

Diameter ...	5"				6 1/2	706					
Height ...	1'0"					1					
Altitude ...	800'					51					
Year ...	1951	1952	1953	1954	1955	1956	1957	1958	1959	1960	Means
January ...	5.17	3.19	3.73	5.22	3.84	4.17	9.19	5.33	2.93	8.82	
February ...	4.47	1.37	3.05	3.22	1.98	1.29	4.20	3.71	2.22	5.86	
March ...	2.56	6.01	1.74	3.73	2.27	2.17	4.13	1.15	2.89	-100	
April ...	5.63	6.19	3.45	1.33	3.04	1.12	2.06	2.07	5.12		
May ...	1.17	2.07	1.94	3.87	3.19	3.82	1.92	4.58	.98		
June ...	1.77	3.07	(2.35)	4.95	3.86	2.77	1.74	3.37	4.35		
July ...	1.07	2.07	8.72	6.01	2.04	6.08	5.28	3.29	4.58		
August ...	1.78	3.61	2.90	5.01	1.49	9.78	4.38	8.41	.77		
September ...	5.60	2.47	5.65	7.04	2.42	2.96	4.39	5.81	1.51		
October ...	2.72	5.20	2.53	11.88	3.27	3.90	4.94	4.71	5.12		
November ...	8.31	4.44	8.80	8.09	1.58	2.00	1.45	1.48	7.76		
December ...	5.13	4.36	3.97	8.42	7.22	6.34	4.35	3.89	8.14	-100	
TOTALS ...	45.38	44.05	48.83	68.17	36.20	46.40	48.03	47.80	46.40	-100	
							W	W	W		

01004

35-501875

Position of Station on Ordnance One-Inch map :

No. of Map .....

National Grid Reference 35/551875

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

Summary of Earlier Records from 10-year Sheets :

Record D, or d	1910-19	1920-30	1931-40	1941-50	1951-60
		C 1926	✓ ap 1940	✓ ap 1949	
			121, 12, 9 34		

## Air Ministry, Meteorological Office

Station No. 5059/1RAINFALL at Newcastleton Forest

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County of Roxburghshire

Observer \_\_\_\_\_

River Basin Est 18

Type of Gauge \_\_\_\_\_

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

File No. \_\_\_\_\_

Diameter ...					612	703						
Height ...						1						
Altitude ...						51					625'	
Year ...	1951	1952	1953	1954	1955	1956	1957	1958	1959	1960	Means	
January ...										-100		
February ...										-100		
March ...										# 1.49		
April ...										3.47		
May ...										2.83		
June ...										2.21		
July ...										6.57		
August ...										5.49		
September ...										2.62		
October ...										3.41		
November ...										7.01		
December ...										6.56		
TOTALS ...										Imp. up. inc.		

Position of Station on Ordnance One-Inch map:

No. of Map 76National Grid Reference 35/504878

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

Summary of Earlier Records from 10-year Sheets:

Record D, or d	1910-19	1920-30	1931-40	1941-50	1951-60
C1960.					