

RAINFALL at Newcastleton Forest

County of Roxburgh

8.irk

Observer John F. MacIntyre

River Basin Tweed Lower Left back trib. (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	
										MEANS.	
January ...							5.60	4.65	12.67	1.87	8.88
February ...							6.30	3.11	5.97	1.22	7.65
March							2.42	3.85	5.91	.91	4.03
April.....							4.00	3.29	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	4.87
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...							54.45	56.62	74.67	50.53	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	Newcastleton	3 m	E	Castleton	2 1/4 m	E' SE

RAINFALL at Newcastleton Forest.

County of Roxburgh.

Observer Forestry Commission

River Basin E. Esk

Type of Gauge M.O.

Annual Average 49.5 in. based on 2 years obs. un-weighted. Period of average

1931-1935 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	8.56	5.27	7.14	6.79	3.01		
February	5.41	6.64	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	3.91	1.49	3.06	.49	2.00	2.38		
May	3.69	3.43	2.03	3.83	.70	6.3	3.54	4.11	1.52	4.64		
June	7.04	2.42	3.01	3.89	4.78	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	3.99		
October	4.87	6.59	3.94	7.82	6.58	4.63	3.17	10.17	3.64	(4.05)		
November	9.06	3.57	2.84	1.72	5.10	4.74	1.21	9.86	6.88	5.13		
December	11.46	7.60	1.20	6.91	2.98	6.73	4.20	3.36	2.44	(5.03)		
TOTALS	58.25	54.33	39.30	53.80	48.76	47.97	40.18	62.00	52.73	(46.46)		
	d	d	d	d	w	w	w	w	w	np		

1940 np. too much estimation.

Gauge moved 14.2.41. 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	3m. 2 1/2 m.	W. W.	Castleton	2 1/2 m. 1 3/4 m.	N.W. N.W.

Station No. 5059

RAINFALL at Newcastle Forest

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County of Roxburgh
River Basin 8-Esk
Type of Gauge M.C.

Annual Average 1185 min. based on 7 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	Means
January	3.97	6.67	4.85	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	1.40	2.28	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	W	W
	110044	04004		00014		00024				

1944 n.p. low. Station inspected by T. Crichton 22/3/44 gauge leaking + sheltered by heather. Gauge replaced and heather cut down (letter 1/1944 + R. 455). Sep. 1944.

1947. May, June, July, Oct. low apparent between months. July 1in added Nov. 2.3in added. No obs. n.p. unreliable. Gauge tested 6.7.45 and found to be sound. Obs. says omission occurred when we were away. C/471

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

Station No. 5059

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RAINFALL at Newcastle-on-Forest

County of Roxburgh

Observer Forestry Commission

River Basin 8 - Esk

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 " written 1945-58. " " 1916-50 " S
 File No.

Diameter ...	5"				612	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	3.13	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.E.S. - 1.0004

0.1004

35-501845

Position of Station on Ordnance One-Inch map : No. of Map National Grid Reference 35/551/878

Date.	Lat. N.	Long.	Railway Station.	Distance from gauge	Parish Church.	Distance 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 1946-47	—
				J 31, 32, 34		

Air Ministry, Meteorological Office

Station No. 5059/1

64-612703

RAINFALL at Newcastleton Forest

County of Rosebusheline

Observer _____

River Basin Creek 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	...										3.96 in. inc.

Position of Station on Ordnance One-Inch map: No. of Map 76 National Grid Reference 387824676

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

Summary of Earlier Records from 10-year Sheets:

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