

RAINFALL AT *North Berwick Reservoir*

Lat. _____

Lon. _____

 County of *Haddington*

Rain Gauge, by _____

 Observer *Mr G. Lumsden*
Firth of Forth - 5.

Diameter . . .										11	11	
Height										2	- 2	
Altitude										150	150'	
Year	1880	1881	1882	1883	1884	1885	1886	1887	1888	1889	MEANS.	
January								(1.26)	# 1.01	.53		
February								(.46)	1.52	1.25		
March								(1.68)	4.28	.90		
April								(.74)	1.45	2.65		
May								(1.47)	.75	1.75		
June								(.54)	2.52	.64		
July								(2.41)	4.75	3.31		
August								(1.26)	2.52	5.50		
September . . .								(3.68)	.64	.75		
October								(1.43)	.75	4.05		
November								(4.10)	4.38	.55		
December								(.81)	.80	.78		
TOTALS								(19.79)	25.37	22.76		

+
St. Andrews N Berwick 1 1/2 Miles

N

+ N. Berwick, Kingston Farm and for average (9.20)

* 1887 = Smeaton used for completing average

RAINFALL AT North Berwick Reservoir

Lat. _____

Lon. _____

 County of Haddington

Rain Gauge, by _____

 Observer Mr C. Lumsden
Mr J. McKellar

Firm & Form - 5.

Diameter	11											
Height	0 2							1 6				
Altitude	150 T											
Year	1890	1891	1892	1893	1894	1895	1896	1897	1898	1899	MEANS.	
January	2.12	.70	1.87	1.89	3.50	(2.50)	1.11	1.02	.95	3.65	(2.131)	
February	1.20	.10	2.47	3.89	4.75	(3.25)	.50	.85	.55	.93	(1.649)	
March	1.75	3.50	2.23	.23	.85	4.30	1.50	2.86	.78	1.62	1.962	
April .....	.63	1.00	.36	.60	1.30	2.50	1.00	.65	2.07	2.61	1.272	
May	1.75	1.50	2.24	1.05	3.30	.60	.25	1.02	2.21	4.62	1.854	
June	3.00	.30	2.30	.54	2.25	2.00	1.23	3.53	1.35	1.90	1.840	
July	2.75	2.45	.57	2.17	4.00	4.50	3.08	3.33	.93	2.35	2.613	
August	3.70	4.25	3.44	2.10	4.75	3.00	2.30	3.40	3.93	.58	3.145	
September....	2.69	3.25	1.54	1.56	1.75	1.50	4.10	2.41	1.46	4.40	2.466	
October	2.93	2.36	4.38	1.83	3.75	4.75	4.08	.90	6.45	1.65	2.308	
November....	4.50	2.65	1.32	2.78	1.75	2.50	1.85	1.75	4.03	1.78	2.491	
December	2.00	3.70	1.57	2.30	2.25	2.30	4.48	1.84	1.34	3.30	2.508	
TOTALS	29.02	25.76	24.29	20.94	34.20	33.70	25.48	23.56	26.05	29.39	27.229	

1890 St Andrews N. Berwick 1 1/4 mile N

North Berwick Low 612 ft 6 in high Stone above E

1895 Part of January fall included in February

RAINFALL AT North Berwick Reservoir Low Res

Lat. Lon. County of Haddington

Simmer Rain Gauge, by Observer Mr J Mc Kellar

First of month - 5.

H Blackadder Esq
W Ross Young Esq

Diameter ..	11						5	5			
Height	1	6					1	3	1	6	
Altitude ..	150	1					180	150	1		
Year	1900	1901	1902	1903	1904	1905	1906	1907	1908	1909	MEANS.
January ..	2.94	1.75	1.04	3.05	2.10	.50	2.00	.51	2.26	1.24	1.739
February ..	3.03	1.35	1.01	4.02	2.52	.65	.35	.82	.63	1.20	1.558
March	1.22	1.23	1.39	2.16	1.42	1.80	1.20	1.30	2.33	4.42	1.847
April	1.33	1.10	1.05	.65	1.25	1.50	.80	1.60	1.63	2.56	1.347
May .....	.98	2.18	2.86	.77	3.20	.85	7.30	2.85	2.05	2.21	2.525
June	1.80	1.07	2.95	1.40	2.15	.35	1.65	3.05	.85	1.25	1.652
July	3.42	.94	2.18	4.39	1.40	2.00	1.45	2.19	2.89	2.85	2.371
August	4.02	4.48	2.67	4.23	4.65	2.80	5.20	3.00	1.65	2.31	3.501
September ..	1.60	1.09	1.16	2.76	1.50	2.10	.75	1.19	3.38	1.96	1.749
October	4.84	1.55	1.28	6.02	.80	2.50	7.48	6.54	2.20	2.79	3.600
November ..	5.02	2.91	.67	1.39	1.18	3.40	3.79	1.85	1.59	.19	2.199
December ..	3.40	3.55	2.40	1.10	2.00	1.20	1.59	3.90	.34	3.26	2.274
TOTALS ..	33.60	23.20	20.66	31.94	24.17	19.65	33.56	28.80	21.80	26.24	26.362

463

1900 St Andrews Church 1 1/4 miles N

Low Res? 612.6 high house tower E

1903 N Berwick Station 1 mile S.E. NW

1907 gauge near bottom of low hill but stands clear of any obstruction

1907 new gauge

1905 Auldthorn Church 1/2 mile N

N Berwick Station 3/4 . N by W

"nothing near gauge"

Hub

RAINFALL at

RAINFALL at North Berwick Reservoir = Law
Reservoir

County of Haddington

Observer

W. Ross Young Esq. C.E.

River Basin Fifth of Forth ⁵ Right bank tribs. 3

A. G. Merriles Exp. CE (1913)

Rain Gauge, by

J.C. Smith, Esq. Ch. ('19)

Diameter ...	5										
Height	1 6										
Altitude ...	150 T										
Year ...	1910	1911	1912	1913	1914	1915	1916	1917	1918	1919	MEANS.
January ...	2.05	.98	1.39	1.93	2.04	1.71	1.84	2.92	2.11	3.55	2052
February ...	2.32	1.18	2.17	.62	1.19	1.91	2.76	.50	2.46	1.92	1703
March .....	.77	1.72	2.17	2.36	1.89	1.14	2.79	1.14	1.04	1.47	1649
April	2.60	1.33	.16	1.66	.89	.79	1.56	1.56	.62	2.27	1344
May	1.67	.84	1.44	2.27	1.51	1.36	2.84	1.81	2.10	.65	1649
June .....	.76	2.34	3.09	1.13	1.05	1.68	3.47	1.15	.14	1.87	1668
July	2.52	1.19	1.28	.43	2.07	3.66	4.26	1.07	3.81	.88	2117
August	4.54	1.28	5.24	1.41	2.42	4.64	3.62	4.63	2.16	2.54	3248
September ..	1.04	1.09	2.99	2.08	.51	2.80	1.02	1.42	4.69	2.57	2021
October ...	3.42	2.47	2.90	1.44	2.07	2.05	3.82	2.55	2.07	2.17	2496
November ..	2.30	4.09	1.41	1.27	2.48	1.28	3.63	1.39	1.35	5.32	2452
December ...	1.35	2.88	1.77	1.47	3.71	4.20	2.60	1.69	1.38	2.85	2390
TOTALS ...	2534	2139	26.01	18.07	21.83	27.22	34.21	21.83	23.93	28.06	24789

$\mathcal{D} \quad \mathcal{D} \quad \mathcal{D} \quad \text{inf } \mathcal{D} \quad \mathcal{D} \quad \mathcal{D}$

108.03

Date.	Lat. N.	Long.	Railway Station.	Distance.	Direction.	Church.	Distance.	Direction.
1913			North Benwick			Established		

RAINFALL at North Berwick Pierhead.County of HaddingtonObserver J. G. Miller, Esq., C.E.River Basin 5 Firth of Forth.A. Robertson, Esq. C.E. 1924Shandon Rain Gauge, by _____Baro Surveyor N. Berwick

Diameter ...	5												
Height	1.6												
Altitude ...	150												
Year	1920	1921	1922	1923	1924	1925	1926	1927	1928	1929	1930. MEANS.	SUMS	
January ...	1.78	3.71	1.83	1.94	1.87	1.17	2.61	1.33	2.78	.90	1.69	20	61
February ...	1.67	.30	2.12	2.83	.78	3.42	2.42	.98	1.31	1.24	1.85	18	40
March	1.88	1.78	1.58	.57	.66	2.15	1.17	1.74	1.78	.84	1.78	15	43
April	1.48	.72	1.93	1.98	.76	2.24	1.66	.70	.64	1.91	1.25	15	27
May	2.86	1.71	.70	1.59	4.46	3.44	2.25	1.57	1.30	2.05	.86	32	79
June .....	.69	.57	1.88	.96	1.69	.70	2.86	2.23	4.35	1.93	1.60	A	46
July	2.34	2.19	2.74	1.15	4.00	1.42	3.61	2.34	1.93	2.46	4.01	28	19
August	4.34	4.17	1.44	4.17	2.55	2.29	1.95	6.10	4.27	4.43	4.70	40	41
September...	1.20	1.39	2.18	2.29	4.07	4.42	4.25	5.51	2.25	.28	3.33	31	17
October .....	.90	3.43	1.95	1.32	3.78	1.24	3.65	3.01	2.74	2.25	1.88	26	15
November...	1.86	1.96	1.06	2.32	1.50	.92	2.69	1.89	2.48	2.42	3.07	22	17
December...	2.38	2.02	1.63	2.66	1.68	2.42	.38	2.77	1.74	2.87	1.27	21	37
TOTALS...	23.38	23.95	21.04	22.78	27.80	25.83	29.50	30.17	27.62	22.58	26.79	281	44
	2	2	2	2	2	2	2	2	2	2	2		

1920. No objects within 50 yds.

Site inspected by Dr. Knapton 18.9.29.

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
1922	56° 4' 17"	2° 41' 37"	North Berwick	4300 yds	NW	North Berwick	4030 yds	N.W.W.

RAINFALL at North Berwick Reservoir.County of HaddingtonObserver A. Robertson, C.F.River Basin 5 - Firth of Forth.Type of Gauge SnurdonAnnual Average 25.4 in. based on 25 years obs. un-weighted. Period of average 1881-1915 Ref. 39 N

Diameter	5"										
Height	1' 0"										
Altitude	130' 501'										
Year	1931	1932	1933	1934	1935	1936	1937	1938	1939	1940	Sums Means
January	2.04	1.45	1.24	1.27	1.85	3.51	2.13	2.63	3.47	1.04	19.63
February	1.71	.33	1.63	.04	1.20	2.75	2.61	.46	1.14	.81	12.68
March	1.29	2.38	.89	3.18	1.42	1.71	2.17	.41	1.70	2.63	17.78
April	1.62	1.27	2.10	2.84	3.24	1.08	.93	.05	.85	1.93	15.95
May	3.00	2.41	1.09	1.43	1.00	1.98	2.83	2.90	.82	1.58	19.04
June	4.31	1.08	1.54	1.91	2.95	2.18	1.70	3.05	1.55	.39	20.66
July	4.29	2.17	2.47	2.68	1.08	3.57	3.19	3.04	2.75	8.33	33.57
August	4.46	.21	.80	2.97	3.61	2.11	2.99	3.92	1.49	.96	23.52
September	1.34	2.14	1.21	1.67	2.36	3.90	1.03	3.24	1.54	2.31	20.74
October	1.81	5.30	2.38	2.46	4.58	1.25	3.29	4.78	2.82	3.27	32.00
November	3.34	1.49	1.44	2.07	3.78	2.31	.51	3.50	2.30	3.21	23.95
December	.57	2.34	1.42	3.28	1.57	1.43	4.20	2.25	.78	1.25	19.09
TOTALS	29.78	22.63	18.21	25.80	27.68	27.78	27.68	30.23	21.21	27.71	258.61

1933. North Berwick Lagoon 613 ft A.S.L. 40 yards E.

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	Parish Church.	Distance from gauge	Direction
			North Berwick	1m	N.N.W.	N. Berwick	1m.	

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

Station No.

5107

RAINFALL at North Berwick Reservoir

41

County of

East Lothian

Observer

A. Robertson Esq. C.E.

River Basin

5- Firth of Forth

Type of Gauge

SnowdonAnnual Average 25.4 in. based on 35 years obs. un-weighted. Period of average 1881-1915 Ref. B. of N.

File No.

Diameter	5"				902	047					
Height	1' 0"					1					
Altitude	150'					41					
Year	1941	1942	1943	1944	1945	1946	1947	1948	1949	1950	SUMS Means
January	2.53	2.46	1.77	1.26	4.30	1.66	2.04	5.44	1.54	0.61	23.61
February	2.30	.74	1.07	1.21	1.55	1.08	1.25	1.48	.54	1.72	12.94
March	2.83	1.05	1.52	.38	.73	2.20	4.53	.43	.87	2.07	16.61
April	1.05	1.29	.98	2.18	1.51	.26	2.22	1.35	.98	1.57	13.39
May	2.34	1.37	3.81	1.66	4.31	2.51	3.87	1.34	1.90	1.66	24.67
June	1.24	.96	1.89	3.16	1.73	2.66	3.04	2.47	1.33	2.70	21.18
July	2.78	2.29	2.23	2.64	2.14	2.38	1.73	1.23	1.91	2.76	22.09
August	2.73	2.25	3.54	2.72	2.93	3.37	.20	8.02	2.21	2.23	30.20
September	0.82	2.00	1.76	3.33	2.93	2.92	1.08	2.58	.95	4.56	23.53
October	3.08	1.99	2.24	1.93	3.08	.70	1.12	2.72	5.16	1.71	23.93
November	2.28	.48	.74	4.43	.73	4.41	2.31	2.08	3.09	3.49	24.04
December	.57	.85	.88	1.30	1.82	1.83	1.89	1.39	2.80	1.49	14.81
TOTALS	24.55 D	17.73 D	22.43 D	26.80 D	27.76 D	25.98 D	25.28 D	30.53 D	23.28 D	26.56 D	250.90 D

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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 Direction from gauge	Parish Church.	Distance Direction from gauge.

BRITISH RAINFALL ORGANIZATION

Station No. 707

51

RAINFALL at North Berwick Reservoir

County of East Lothian Observer A. Robertson Esq., C.E.

River Basin S - Firth of Forth

Type of Gauge 17.0 MK II (mm 1454) 9/57

Annual Average 25.4 in. based on 35 years obs. un-weighted. Period of average 1881-1915 Ref. B & N.
25.69 " " " " 1916-1950 1916-1950 P
 File No.

Diameter ...	5"				902	047					
Height ...	1' 0"					1					
Altitude ...	150'					51					
Year ...	1951	1952	1953	1954	1955	1956	1957	1958	1959	1960	Means
January ...	2.82	0.88	0.57	1.85	1.34	2.07	2.18				
February ...	1.93	.57	.75	1.52	1.52	2.15	3.07				
March ...	2.58	1.33	.26	1.12	1.45	.84	2.06				
April ...	2.37	1.35	1.94	1.60	.81	.64	1.38				
May ...	2.90	1.95	2.35	3.75	2.00	.54	1.32				
June ...	1.70	2.16	1.27	2.72	.90	2.31	.95				
July ...	3.28	1.96	4.12	2.22	2.16	4.80	4.15				
August ...	3.87	2.18	1.89	5.28	.60	5.87	4.18				
September ...	0.73	1.95	2.21	2.61	1.35	3.72	1.38				
October ...	.24	1.30	.94	5.73	1.44	1.42	-1.00				
November ...	4.26	2.32	2.23	2.00	.98	.68	-1.00				
December ...	1.33	1.90	2.72	1.79	3.72	1.81	-1.00				
TOTALS ...	28.01	19.85	21.25	32.19	18.17	26.85	-1.00				
	D	D	D	D	D	D					

Imp 17.9.57 Gauge installed hill of holes from air gun pellets. Site on top of covered area, at foot of working slope of haul. Renowned in 1/2 for wind. 125-35°. (Note: site chosen on westward between res. & road. Vague, in light of flow, surface & hidden by concrete bridges. In Nov 1956, G. road in site chosen in 1956. Good site. Delivered pipe and lines can missing. To be repaired. 22.11.56 Re-installed at new site, still subject to interference. 1957. Site abandoned 30.9.57 & gauge moved to East Lodge N.R. 36/555852 - see note on 5108.

Position of Station on Ordnance One-Inch map: No. of Map..... National Grid Reference NT 36 55 2341

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

Summary of Earlier Records from 10-year Sheets: 1916-1950, P - accepted

Record D, or d	1910-19	1920-30	1931-40	1941-50	1951-60
	✓	✓	✓	✓	✓
	✓ imp 23.	✓	✓ lat - 32	✓	