

# RAINFALL AT *Carlston Cowdenknowes The Gardens*

Lat. ....

Lon. ....

 County of *Berwick*
*Leads - 2.*

Rain Gauge, by ....

 Observer *Mr. J. Robertson*

Diameter ....					5						
Height .....					10						
Altitude ....					360						
Year .....	1880	1881	1882	1883	1884	1885	1886	1887	1888	1889	MEANS.
January ....					3.95	1.90	3.29	1.39	1.51	.49	
February ....					3.37	2.75	1.94	.80	1.57	2.00	
March .....					1.69	1.26	4.09	1.74	3.45	2.14	
April .....					1.37	2.57	1.36	1.37	1.78	3.39	
May .....					2.10	3.09	3.92	1.34	.98	1.91	
June .....					.85	.71	1.59	.85	3.28	.55	
July .....					5.10	1.00	2.34	2.70	3.25	3.78	
August .....					1.47	1.78	1.61	2.54	2.67	4.60	
September....					2.16	2.72	2.00	3.67	.92	1.09	
October .....					1.42	3.39	4.04	1.84	1.07	4.19	
November ....					1.93	1.12	3.73	3.29	6.26	.71	
December ....					2.37	1.14	2.54	1.75	1.94	1.67	
TOTALS ....					27.78	23.43	32.45	22.48	28.68	26.52	

# RAINFALL AT *Earlston Couderknowes The Gardens*

Lat. *55 39 N*

Lon. *2 43 W*

County of *Berwick*

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

Observer *Mr. J. Robertson*

*Reader - 2.*

Diameter ....	5										
Height .....	10										
Altitude ....	360										
Year .....	1890	1891	1892	1893	1894	1895	1896	1897	1898	1899	MEANS.
January ....	3.02	2.08	1.58	1.46	2.77	3.47	1.35	1.67	.89	2.95	2.124
February ....	.95	.21	2.25	3.44	6.23	.68	1.04	1.55	1.29	1.66	1.930
March .....	1.67	4.10	1.57	1.00	1.33	3.25	2.28	3.68	1.76	1.84	2.248
April .....	.98	.61	1.07	.78	1.14	.88	.98	1.17	2.97	2.66	1.924
May .....	1.29	1.43	2.83	2.15	3.75	1.04	.59	1.03	1.41	3.11	1.863
June .....	2.52	.83	3.14	2.14	3.05	1.32	1.94	3.40	1.12	1.64	2.110
July .....	2.80	2.21	1.73	2.22	2.18	4.80	3.78	1.45	.89	2.96	2.502
August .....	4.77	6.00	3.60	1.88	4.08	4.86	1.57	4.23	2.35	.79	3.113
September....	1.26	3.82	1.29	1.00	.67	.13	4.23	2.57	2.23	2.12	1.932
October .....	1.71	2.17	3.65	1.53	3.39	4.70	3.26	1.54	5.84	1.97	2.976
November....	3.94	2.39	1.43	2.44	2.11	3.36	1.19	1.95	3.76	3.53	2.610
December ....	.80	5.32	1.33	2.77	2.30	2.78	4.86	3.75	1.66	2.80	2.837
TOTALS ....	25.71	31.17	25.47	22.81	33.00	31.27	27.07	27.99	26.17	28.03	24.869

*1899 January New Negretti gauge*

# RAINFALL AT Earlston Cowdenknowes

Lat. .... Lon. .... County of Berwick

Rain Gauge, by N43 Observer Mr J. Robertson

Wend. Leader - 2.

Diameter ..	5											
Height ....	0	10										
Altitude ..	360											
Year ....	1900	1901	1902	1903	1904	1905	1906	1907	1908	1909	MEANS.	
January ..	3.33	2.26	1.51	4.03	2.12	.90	2.86	.99	2.74	2.58	2.332	
February ..	4.47	1.37	1.22	4.02	2.90	1.33	1.70	1.67	1.99	1.79	2.246	
March ....	1.39	1.69	1.57	3.06	2.29	3.09	2.15	2.20	5.39	5.59	2.842	
April .....	2.05	2.11	2.00	1.39	1.79	2.34	1.21	2.13	1.43	3.42	1.987	
May .....	1.52	2.22	2.53	1.50	2.50	1.23	6.18	3.65	1.98	1.94	2.525	
June .....	4.53	1.71	2.42	1.45	2.82	1.55	2.20	3.41	1.42	1.69	2.320	
July .....	3.88	2.17	2.65	4.25	2.92	2.12	1.99	2.48	2.47	2.24	2.717	
August ....	3.97	3.64	1.55	3.64	3.15	5.88	5.93	3.68	2.27	1.79	3.550	
September ..	1.82	1.44	1.56	2.80	1.12	2.00	.91	.78	2.42	2.56	1.741	
October ....	3.69	2.11	2.02	8.27	.87	2.11	6.31	5.82	2.03	3.89	3.712	
November ..	4.18	3.92	2.27	1.87	2.00	3.78	3.26	2.38	1.56	.51	2.573	
December ..	3.92	5.20	3.56	1.55	2.11	1.14	3.70	3.83	.98	3.65	2.964	
TOTALS ..	38.75	29.84	24.86	37.83	26.59	27.47	38.40	33.02	26.68	31.65	3.509	

1900 Earlston Church 1 mile N

1903 " Station 1 " N.

*Hub*



RAINFALL at Earlston, BowdenknowesCounty of Berwick Observer Mr. Jas. RobertsonRiver Basin Yued. <sup>Leader</sup> left bank trib. 2. Mr. John Smith (May 1915)Rain Gauge, by N. + B.

Diameter ...	5												
Height .....	0 10												
Altitude ...	360 <sup>ft</sup>												
Year ...	1910	1911	1912	1913	1914	1915	1916	1917	1918	1919	MEANS.		
January ...	3.05	1.13	2.14	3.57	1.60	1.43	3.05	3.02	3.57	3.41	2597	13.05	SVMS
February ...	2.84	2.02	2.67	1.03	3.04	2.45	3.87	7.1	2.54	2.01	2323	9.18	1916-17
March .....	1.29	2.45	2.51	3.68	3.26	2.12	4.33	1.46	.73	1.56	2339	8.08	
April .....	2.84	2.00	.32	3.23	.95	.71	2.56	2.77	.68	1.57	1763	7.58	
May .....	1.58	.96	1.16	2.97	1.81	1.41	3.76	2.01	2.11	1.13	1890	9.01	
June .....	1.15	2.70	5.76	1.89	2.22	1.08	1.56	1.51	.24	.87	1892	4.12	
July .....	4.43	.83	1.70	.44	1.23	2.45	4.11	1.50	3.74	.73	2116	10.08	
August .....	5.12	1.41	5.05	1.26	1.33	3.02	3.62	6.26	1.96	2.60	3163	14.44	
September ..	.75	1.18	2.84	1.73	.89	1.61	1.87	1.55	4.16	1.65	1823	9.23	
October ...	3.21	2.73	3.13	2.58	1.89	2.12	4.46	3.81	3.35	2.58	2786	14.20	
November ..	3.17	3.91	2.06	2.47	3.80	1.89	4.63	2.25	1.04	4.46	2968	12.38	
December ...	2.20	4.52	2.76	2.64	5.19	5.68	2.89	1.89	1.41	4.52	3370	10.71	
TOTALS ...	31.63	25.84	32.10	27.49	27.21	25.97	40.71	28.79	25.53	27.03	27.230		

1914 "standing clean out"

122.06

Date.	Lat. N.	Long. W.	Railway Station.	Distance.	Direction.	Church.	Distance.	Direction.
1911			Earlston	1 mile	N.	Earlston	1 mile	N.
1913	51° 39'	2° 43'						

RAINFALL at Earlston (Lowdownhouse)County of BerwickObserver A. J. Smith

River Basin

2 Tweed-Leaderfor the 1000 ft. Edinburgh.

(1926) M.O.

Rain Gauge, by A. J. S.

Diameter ...	5"					5"						
Height .....	0.10	1.2				1' 2"		1.4				
Altitude ...	560	500	320			300						
Year .....	1920	1921	1922	1923	1924	1925	1926	1927	1928	1929	1930. MEANS.	SUMS
January ...	2.44	4.27	2.89	1.74	1.84	2.25	2.90	2.92	5.48	2.11	2.37 4.65	31.31
February ...	2.63	2.0	2.68	3.70	.97	5.12	3.26	1.11	2.68	1.71	.70 4.42	24.76
March .....	2.57	2.61	1.73	.87	.68	1.86	1.66	2.45	4.30	.12	2.31	22.10
April .....	2.06	.45	2.64	2.41	1.51	2.53	2.30	1.81	.96	1.77	1.30	19.74
May .....	3.08	1.40	.82	1.83	3.58	4.80	2.34	1.87	1.49	1.18	1.07	23.46
June .....	.88	.53	2.15	.90	1.45	.40	3.08	2.48	4.42	1.95	2.06	20.30
July .....	2.92	3.01	3.51	1.77	4.86	1.81	2.28	3.55	1.43	4.91	3.38	33.43
August .....	3.71	5.33	2.40	4.19	2.63	4.27	3.33	7.60	4.81	4.89	5.61	48.27
September...	1.10	1.39	2.08	1.33	3.58	4.74	3.93	6.15	1.19	.20	2.84	28.75
October .....	1.89	2.87	2.95	2.37	2.94	2.58	4.09	3.03	5.15	2.84	4.46	35.97
November...	1.46	1.44	.67	3.07	1.34	1.22	4.12	2.32	3.88	3.07	3.21	35.80
December...	3.54	2.69	2.05	2.35	4.01	3.42	.44	.99	1.46	4.16	2.64	27.73
TOTALS...	29.22	26.29	26.57	26.75	29.39	35.00	33.73	36.28	37.25	28.39	31.95	240.52

1922. Flower Beds 1 ft high 5 ft N.  
Shrubs 12 " 9 " E.  
Tree 20 " 12 " E.

Site inspected by Dr. Glassford 20.9.29.

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
1913	51° 39'	2° 43'	Earlston	1 mi	N 15° E	Earlston	1 mi	N 15° E



RAINFALL at Carlston (Bowdenknowes)County of BerwickObserver T. J. FlemingRiver Basin 2- Tweed LeaderL.A. trade

Type of Gauge.....

Annual Average 29.8 in. based on 44 years obs. unweighted. Period of average 1881-1915 Ref. S

Diameter	5"										
Height	1' 2"		1.0	1.3							
Altitude	300'										
Year	1931	1932	1933	1934	1935	1936	1937	1938	1939	1940	5415 Means
January	(1.80)	2.27	2.21	1.68	1.46	4.15	2.83	3.71	5.54	1.78	27.43
February	(2.20)	.43	2.42	.01	1.73	3.10	3.41	.77	1.63	1.58	17.28
March	(1.10)	2.95	.59	3.77	1.17	1.55	3.06	.73	3.06	3.17	21.15
April	(3.70)	2.58	.82	3.44	3.15	1.18	1.46	.33	1.17	1.87	19.70
May	(2.70)	1.59	1.84	1.98	1.00	1.51	4.26	2.50	.96	1.44	19.78
June	(3.90)	1.00	1.10	2.64	3.69	1.53	1.66	3.17	1.88	.68	21.25
July	(3.80)	3.00	3.79	2.49	1.32	3.34	3.56	3.51	2.91	6.03	33.43
August	(3.30)	.80	.82	2.52	2.52	1.10	2.87	2.18	1.02	.98	18.11
September	(1.20)	3.57	1.41	2.54	2.41	4.18	1.98	2.04	1.74	2.07	23.64
October	(1.40)	6.09	3.60	4.01	4.83	2.19	2.72	5.42	4.34	3.67	38.27
November	(4.20)	1.12	2.07	2.41	3.09	3.48	.72	5.08	3.79	3.47	29.43
December	(1.10)	3.30	.56	5.15	1.27	2.57	2.73	3.10	.96	2.09	22.83
TOTALS	(30.10) N.R.	(28.70)	21.23	32.64	28.14	29.88	31.26	32.54	29.00	28.83	29.32

1933. Shrubs 5' high 15' E.

1934. Shrubs 18' high 12' E.

Shrubs 6' " 24' W.

cf 5083

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
			Carlston	3/4 m	N.	Carlston	1 m	N.E.