

RAINFALL at Buckden FiltersCounty of StirlingshireObserver C. Massie EngRiver Basin 1 - Forth, Right Bank

Type of Gauge.....

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

Diameter	1901 1900	1902 1901	1903 1902	1904 1903	1905 1904	1906 1905	1907 1906	1908 1907	1909 1908	1910 1909	Means
January								1.49	3.18	8.31	7.67
February								4.02	4.71	2.49	3.25
March								5.63	5.51	3.05	3.98
April								1.51	2.74	4.36	4.37
May								5.88	5.07	4.82	2.46
June								2.33	8.01	4.16	4.61
July								3.03	5.47	5.13	3.80
August								6.30	7.28	1.98	3.56
September								2.55	2.85	12.12	3.23
October								5.22	8.77	2.26	9.20
November								4.12	3.43	3.76	5.5
December								4.69	9.49	8.35	10.01
TOTALS								46.77	64.11	60.59	56.69

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.

BRITISH RAINFALL ORGANIZATION

DENNY
RAINFALL at Buckieburn 7 miles

31
10County of Stirlingshire

Observer

C. Trahan Esq. C.E.River Basin 1 - Forth - Right Bank

Type of Gauge

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

Diameter													
Height													
Altitude													
Year	1901 1910	1902 1911	1903 1912	1904 1913	1905 1914	1906 1915	1907 1916	1908 1917	1909 1918	1910 1919	1911	1912	Means 16-19
January	6.60	3.15	4.67	5.75	4.13	3.16	9.15	1.86	6.33	4.84	22.18		
February	4.84	6.72	4.45	4.69	5.24	6.88	4.51	.93	4.70	1.69	14.83		
March	3.55	5.71	5.51	6.44	6.10	2.50	2.20	1.98	2.03	3.69	9.90		
April	5.52	3.55	2.86	4.47	3.51	3.59	3.62	1.51	1.38	2.14	8.71		
May	2.35	2.80	2.25	3.52	2.43	1.52	4.23	3.46	2.24	1.21	11.14		
June	1.80	3.35	5.56	4.47	.62	2.00	4.81	3.22	1.21	3.26	12.50		
July	3.32	1.82	4.34	1.26	2.79	5.01	4.22	1.88	4.18	1.35	11.63		
August	12.46	4.01	3.49	1.35	5.18	3.75	3.91	6.72	3.17	2.96	16.76		
September	1.01	2.67	3.37	3.24	2.97	2.21	1.34	3.64	8.03	4.04	17.05		
October	2.35	2.53	6.92	3.51	1.91	5.01	8.78	8.47	6.65	.85	24.75		
November	5.14	11.19	5.48	8.55	8.16	3.51	7.53	6.53	5.09	5.43	24.58		
December	3.77	5.07	10.34	4.84	10.13	7.02	6.36	3.13	5.28	7.44	22.51		
TOTALS	52.41	52.57	59.53	52.09	53.23	46.16	60.66	43.39	53.29	39.20	196.54		

Buck years 1906-1920 copied from tables sent by Stirling & Falkirk W.Bd. 16.45

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

BRITISH RAINFALL ORGANIZATION

RAINFALL at Denny, Buckieburn Fitter
 County of Stirling Observer Charles Brasie Esq. C.E.

River Basin Fort R. bank trib 1

Glaisher Rain Gauge, by

Diameter	8											
Height	1.0											
Altitude	760											
Year	1920	1921	1922	1923	1924	1925	1926	1927	1928	1929	MEANS.		S.M.E.S.
January ...	6.94	10.15	5.54	4.74	6.39	7.41	6.95	5.54	10.07	9.29	3.70		68.72
February ...	8.38	1.07	4.51	5.92	6.8	5.18	6.00	1.37	6.54	1.59	.36		41.60
March	5.28	9.68	2.81	2.69	1.14	1.03	2.10	2.19	4.28	1.68	2.95		34.83
April.....	1.99	1.54	2.70	4.04	2.48	7.03	2.92	1.21	2.10	1.11	1.32.		28.44
May	5.04	3.81	4.40	2.42	6.37	7.58	3.75	1.56	1.81	2.10	1.98		40.82
June	1.74	.39	1.69	1.99	2.67	.95	2.68	3.34	5.97	2.62	2.92		26.96
July	4.34	4.16	4.79	4.39	4.47	1.65	4.13	2.51	2.60	4.20	3.44		40.77
August	6.35	6.89	2.73	7.54	4.82	5.35	3.65	7.05	6.24	4.53	4.88		60.03
September...	2.82	3.05	2.58	7.00	6.49	4.07	3.45	5.27	3.77	1.08	4.20		44.28
October.....	1.53	5.81	2.42	6.61	4.16	3.55	5.98	7.84	6.57	4.26	3.94		52.67
November...	4.93	4.44	5.37	3.56	4.11	1.49	7.19	5.55	5.78	5.05	5.25		51.72
December...	4.76	8.06	4.98	3.48	7.44	5.01	1.51	1.23	4.19	5.92	4.32		50.90
TOTALS...	54.10	59.04	44.52	56.88	51.22	40.30	50.31	44.66	59.92	34.53	39.26		541.74

1929. Jan. May + Aug. low, Oct. confirms original values.
 1906-20 copied from tables lent to M.O. by Stirling & Falkirk W.Bd. 1.6.45.

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

Date.	Lat. N.	Long.	Railway Station.	Distance from gauge	Direction from gauge	Parish Church.	Distance from gauge	Direction from gauge
1928			Denny			St. Ninians		

RAINFALL at Denny (Buckielawn Fields)

County of Stirling

Observer G. Macrae C.E.

River Basin 1- Forth - Right Bank

Stirling & Fifehill W.Bd. (1912)

Type of Gauge

53-8

Annual Average 42.8 in. based on 11 years obs. un-weighted. Period of average 1981-1915 Ref. Survey
Completed xii/36

Diameter	8	Height	10	Altitude	760	Year	1931	1932	1933	1934	1935	1936	1937	+1938	1939	1940	SUMS Means
January	2.35	6.00	4.22	6.34	1.57	5.46	3.85	10.00	5.95	(2.33)	48.0						
February	3.85	.06	3.63	3.35	3.40	2.79	5.82	3.25	7.82	2.61	33.61						
March	1.60	1.95	3.23	2.62	1.42	3.37	2.33	6.00	4.52	1.46	31.50						
April	2.05	4.84	1.87	2.46	2.62	1.39	2.67	1.00	2.85	5.21	26.96						
May	4.03	3.69	1.97	1.44	.27	.76	1.76	5.53	1.48	1.51	22.44						
June	4.44	.89	1.05	3.65	4.82	1.89	2.73	7.05	3.37	1.08	30.97						
July	6.08	2.29	3.40	2.80	1.21	3.80	3.32	5.56	6.65	5.11	39.22						
August	2.87	1.69	1.57	3.07	2.71	3.20	2.48	3.46	2.06	2.25	24.96						
September	1.08	3.88	1.10	4.65	7.24	4.02	3.18	6.24	2.01	3.44	36.84						
October	3.28	5.02	2.83	5.95	10.66	4.78	2.89	10.24	3.28	6.52	55.45						
November	7.24	2.72	1.70	.89	4.71	3.33	.52	10.49	10.69	7.49	49.78						
December	2.51	8.43	.67	3.85	3.05	4.38	2.45	5.21	4.11	5.91	40.57						
TOTALS	40.88	41.46	24.24	38.07	43.71	39.17	34.00?	(74.03)	53.79	47.92	440.27						

Inspected 26/6/38. Gauge showed two leaks in funnel. Move of 60° N.W. recommended.

1938. Leaks repaired, gauge moved 50° N.W. 5-6-38.

1940 Jan std from nearby stns.

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

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

Station No. 5352

RAINFALL at Denny (Buckieburn Filters)

41

County of Stirling

Observer Stirling & Falkirk W. Bd.

River Basin 1- Firth - Right Bank

Type of Gauge

53.3

16

Annual Average $\frac{1}{2}$ in. based on $\frac{1}{2}$ years obs. un-weighted. Period of average 1881-1915

Ref. S

File No.

Diameter	8"				896	185					
Height	1' 0"						1				
Altitude	760'						41				
Year	1941	1942	1943	1944	1945	1946	1947	1948	1949	1950	5YRS Means
January	1.19	5.99	7.27	7.07	2.49	7.45	5.65	7.70	8.59	4.56	5.786
February	4.64	2.97	6.79	2.78	10.02	4.60	(2.00)	7.29	5.91	6.72	5.372
March	2.72	3.54	4.06	3.84	3.32	3.72	5.71	5.86	2.30	4.30	3.637
April	2.68	5.11	4.30	4.50	4.33	1.70	9.94	4.43	5.98	4.20	4.717
May	4.19	3.86	4.12	4.01	6.77	1.79	5.20	2.43	2.93	3.42	3.872
June	1.26	2.16	5.82	4.61	5.97	5.59	5.53	6.52	1.72	2.79	4.197
July	4.05	2.61	3.16	4.25	4.22	5.58	4.44	4.98	2.87	8.07	4.423
August	5.20	7.00	8.10	4.48	1.90	5.76	1.10	11.52	5.69	4.04	5.682
September	2.17	7.70	4.27	6.36	7.06	7.86	1.00	8.38	3.38	9.60	6.378
October	6.31	6.23	12.05	5.41	7.96	0.90	2.96	6.45	7.18	6.31	6.76
November	4.10	1.11	4.14	8.20	1.08	7.59	9.49	6.42	4.69	3.85	5.067
December	4.38	7.51	2.58	7.34	5.23	6.63	1.99	7.15	11.70	3.08	5.759
TOTALS	42.89	55.79	66.66	59.85	60.35	59.17	59.91	79.13	62.94	63.97	61.066

1947 Feb. est. for snow

20004

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

RAINFALL at Denny (Buckieburn Filter)

Station No. 5352

51

County of Stirling

Observer Stirling & Falkirk W. P.D.

River Basin North Right Bank - 1

Type of Gauge Smaller

53.8 16

Annual Average 42.1 in. based on 22 years obs. un-weighted. Period of average 1881-1915 Ref. S' PB.599
60.88 " 19 " within 1939-59 " 1916-1950 " S.

Diameter	8"				896	186					
Height	1' 0"						1				
Altitude	760'						51				
Year	1951	1952	1953	1954	1955	1956	1957	1958	1959	1960	Means
January	6.07	4.80	2.69	6.32	3.33	4.68	10.34	6.48	3.21	6.03	
February	4.03	1.13	2.54	7.15	3.80	1.94	4.43	2.84	2.95	4.78	
March	3.42	6.05	1.72	4.60	4.60	3.58	6.98	2.70	3.64	2.62	
April	5.23	2.65	2.78	2.39	3.18	1.28	3.99	2.21	5.34	5.52	
May	2.53	2.13	3.27	5.72	5.36	3.87	3.82	4.96	1.68	4.14	
June	3.89	5.33	2.96	4.53	2.73	4.50	2.31	4.77	3.28	3.32	
July	5.88	2.37	8.56	3.13	1.70	6.75	5.81	7.03	7.42	5.62	
August	8.83	5.87	2.68	6.04	1.76	7.80	5.15	6.14	1.68	4.11	
September	5.29	3.62	6.26	8.35	4.98	7.63	4.16	4.65	1.30	3.80	
October	1.55	4.44	3.66	12.12	4.24	6.04	6.28	5.65	5.79	5.41	
November	7.95	2.65	9.62	8.69	2.63	1.28	2.77	2.41	7.85	7.20	
December	10.20	5.39	6.79	9.72	9.67	7.49	9.30	6.50	10.73	7.03	
TOTALS	64.87	46.43	53.53	78.76	47.98	56.74	65.34	56.34	54.87	59.58	
	M	M			M	M	M	M	M	M	

1/16 June 1952. An excellent site even without T.W.

Position of Station on Ordnance One-Inch map : No. of Map National Grid Reference 261751.851

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 (Yearly) -Rejected

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