

Ledard - Glasgow W.W.
On hills between Loch Ard & Loch Katrine.

Perth.

1500 ft

Forth, L. bank - 2.

YEAR - -	1853	1854	1855	1856	1857	1858	1859	MEANS.
January - -		7.10	1.70	4.20	4.90	12.60	10.00	
February - -		3.60	1.20	9.00	6.50	1.80	7.60	
March - - -		4.10		.10	4.90	2.90	11.20	
April - - -		1.70		3.50	5.20	5.60	5.00	
May - - -		5.60		4.50	5.90	9.00	.70	
June - - -		8.10		12.30	3.80	7.20	3.20	
July - - -	# from 1854	5.60	6.60	6.20	4.60	9.30	6.10	
August - -		5.80	5.60	9.70	4.70	8.90	10.10	
September -		6.80	1.80	5.60	5.40	9.00	13.20	
October - -		12.80	11.30	6.20	7.40	12.20	6.60	
November -		9.00	3.10	3.90	8.00	6.40	6.30	
December -		.50	8.50	5.20	8.90	12.90	12.20	5.30
TOTALS -		67.10		74.10	74.20	97.10	85.30	

9 9 9 9 9 9 C

1855 - Records irregular and doubtful

On the Hills
between Loch Ard & Loch Kebines Perth.
Lodard

8 in + Ground 6 in + Sea Level 1500 feet
Forth, L. bank - 2.

YEAR - -	1860	1861	1862	1863	1864	1865	1866	1867	1868	1869	MEANS.
January - -	3.40	8.50	7.70	9.40	9.00	4.60	13.70	4.30	16.30	14.40	
February - -	2.10	9.90	5.80	6.20	6.00	3.20	7.40	—	11.40	9.60	
March - - -	1.50	5.70	3.70	7.10	4.30	1.10	3.60	—	8.70	.60	
April - - -	2.00	.50	9.80	7.00	3.70	2.00	4.70	11.60	6.00	1.80	
May - - - -	5.50	.60	8.20	4.00	2.00	6.90	2.40	4.80	4.10	1.30	
June - - - -	14.00	7.80	9.50	8.90	7.10	2.40	5.80	2.00	1.80	4.50	
July - - - -	4.00	6.70	11.40	.20	4.60	9.20	6.70	9.40	.70	6.50	
August - - -	9.40	20.20	7.80	10.10	3.50	16.20	10.50	5.40	9.00	.60	
September -	6.40	13.40	5.70	8.30	10.40	1.50	11.80	6.10	3.80	15.70	
October - - -	10.50	12.50	15.00	8.60	4.20	10.60	3.70	8.40	10.60	7.50	
November - -	6.40	7.90	3.50	12.00	10.20	10.30	6.60	3.10	6.90	incomplete	
December - -	8.30	9.40	14.60	13.40	9.10	13.20	12.90	5.40	16.40	11.10	
TOTALS -	73.50	103.10	102.70	95.20	76.10	81.20	89.80		97.70	—	

1867 - Obs. incomplete in Feb. & March.

RAINFALL AT *Aberfoyle, Scotland*

Lat.....

Lon.....

County of *Pentk*

Rain Gauge, by.....

Observer.....

Forth, L. tank - 2.

Diameter											
Height											
Altitude	<i>1500.0</i>										
YEAR	1870	1871	1872	1873	1874	1875	1876	1877	1878	1879	MEANS.
January.....	<i>5.10</i>	<i>2.40</i>	<i>9.00</i>	<i>9.40</i>	<i>4.30</i>	<i>12.30</i>	<i>5.80</i>	<i>8.00</i>	<i>4.90</i>	<i>1.20</i>	<i>6.24</i>
February	<i>3.80</i>	<i>7.50</i>	<i>9.00</i>	<i>4.0</i>	<i>1.90</i>	<i>1.40</i>	<i>4.70</i>	<i>5.20</i>	<i>3.80</i>	<i>3.10</i>	<i>4.08</i>
March	<i>.80</i>	<i>3.40</i>	<i>6.70</i>	<i>2.00</i>	<i>4.80</i>	<i>3.70</i>	<i>5.90</i>	<i>2.90</i>	<i>3.10</i>	<i>4.70</i>	<i>3.80</i>
April.....	<i>3.80</i>	<i>6.50</i>	<i>2.50</i>	<i>1.70</i>	<i>1.90</i>	<i>1.90</i>	<i>4.00</i>	<i>4.60</i>	<i>5.00</i>	<i>3.20</i>	<i>3.51</i>
May	<i>7.00</i>	<i>.70</i>	<i>3.70</i>	<i>5.30</i>	<i>3.80</i>	<i>4.70</i>	<i>.90</i>	<i>6.70</i>	<i>8.10</i>	<i>3.30</i>	<i>4.42</i>
June.....	<i>2.10</i>	<i>4.00</i>	<i>12.00</i>	<i>4.30</i>	<i>2.00</i>	<i>5.30</i>	<i>7.10</i>	<i>8.10</i>	<i>6.70</i>	<i>8.70</i>	<i>6.05</i>
July	<i>2.40</i>	<i>6.90</i>	<i>9.80</i>	<i>9.10</i>	<i>5.20</i>	<i>2.30</i>	<i>3.50</i>	<i>6.40</i>	<i>.80</i>	<i>7.40</i>	<i>5.38</i>
August.....	<i>2.30</i>	<i>5.30</i>	<i>10.00</i>	<i>7.60</i>	<i>6.90</i>	<i>6.80</i>	<i>5.60</i>	<i>11.30</i>	<i>6.20</i>	<i>7.90</i>	<i>7.09</i>
September.....	<i>5.60</i>	<i>3.70</i>	<i>9.30</i>	<i>5.70</i>	<i>8.90</i>	<i>8.00</i>	<i>4.90</i>	<i>3.30</i>	<i>8.70</i>	<i>11.40</i>	<i>6.95</i>
October.....	<i>9.20</i>	<i>7.80</i>	<i>4.30</i>	<i>9.00</i>	<i>10.00</i>	<i>8.60</i>	<i>12.00</i>	<i>12.40</i>	<i>10.10</i>	<i>2.50</i>	<i>8.59</i>
November.....	<i>2.60</i>	<i>5.30</i>	<i>8.90</i>	<i>3.30</i>	<i>4.30</i>	<i>6.10</i>	<i>6.00</i>	<i>10.60</i>	<i>1.10</i>	<i>1.40</i>	<i>5.01</i>
December.....	<i>2.90</i>	<i>4.80</i>	<i>8.90</i>	<i>3.80</i>	<i>1.60</i>	<i>7.60</i>	<i>11.60</i>	<i>8.40</i>	<i>2.30</i>	<i>4.50</i>	<i>5.64</i>
TOTALS	<i>47.60</i>	<i>58.80</i>	<i>94.10</i>	<i>61.80</i>	<i>55.60</i>	<i>68.70</i>	<i>73.00</i>	<i>87.90</i>	<i>60.80</i>	<i>59.30</i>	<i>66.76</i>

RAINFALL AT Ledard

Lat. _____

Lon. _____

County of Perth

Rain Gauge, by _____

Observer J. M. Gale, Esq., C.E.

Form, L. bank-2.

Diameter											
Height	5	6									
Altitude	1500										
Year	1880	1881	1882	1883	1884	1885	1886	1887	1888	1889	MEANS.
January	4.50	6.00	6.00	8.80	7.60	5.50	(3.00) 5.20	4.60	4.40	5.050	
February	7.40	4.00	6.80	4.80	7.00	8.70	(1.60) 4.60	2.35	.60	1.70	4.495
March	2.50	7.40	6.10	1.90	5.40	3.70	5.90	1.10	4.60	1.60	4.020
April	4.50	2.60	3.40	3.70	2.00	3.00	2.00	2.25	3.30	4.00	3.105
May	3.00	4.50	5.30	5.20	6.80	4.80	5.40	.85	8.00	6.50	5.065
June	3.60	7.70	6.80	4.00	2.80	2.80	2.70	1.75	5.50	1.80	3.945
July	5.40	6.70	9.60	7.00	7.30	3.90	5.50	5.45	9.40	3.85	6.410
August	3.00	6.50	5.20	6.90	6.50	7.30	4.00	4.75	6.35	8.60	5.910
September....	4.60	4.60	6.90	5.40	5.80	12.60	9.50	4.65	1.45	1.60	5.710
October	7.0	5.20	9.80	8.60	7.00	4.20	7.80	1.80	4.50	7.15	5.675
November....	7.50	10.60	7.30	5.80	8.10	4.60	6.70	4.00	6.90	2.55	6.405
December	3.00	5.00	6.50	5.10	5.70	4.90	5.80	2.55	5.85	3.40	4.780
TOTALS	50.30	65.70	79.70	67.20	72.00	66.00	59.90	36.70	61.05	47.15	60.570?

1886 Jan'y & Feb'y amount rather small

Winter months small throughout es. VII-13

RAINFALL AT Ledard

Lat. _____

Lon. _____

County of Persh

Rain Gauge, by Forth, L. tank - 2.

Observer J. M. Gale Esq. C.E.

Diameter ....	...									
Height	5.6										
Altitude	1500										
Year	1890	1891	1892	1893	1894	1895	1896	1897	1898	1899	MEANS.
January	6.00	3.15	3.05	3.20	6.30		2.55	1.30	4.50	7.00	} 6.825
February ....	.75	1.25	1.40	4.15	7.00	1.25	2.55	5.00	2.35	5.50	
March	2.75	1.80	1.70	1.65	2.90	3.45	5.25	6.10	4.30	4.00	
April	1.80	1.90	1.60	1.50	2.45	4.70	2.10	3.55	5.50	5.20	3.020
May	4.75	3.15	5.90	3.70	3.05	.75	.70	2.75	2.95	4.05	3.175
June	7.15	2.85	6.95	2.50	4.05	2.80	5.55	7.35	4.25	3.60	4.705
July	5.90	2.75	4.65	4.80	5.75	6.25	6.20	4.45	2.00	6.65	4.940
August	4.90	9.70	10.40	7.90	5.50	10.80	3.25	10.70	7.95	2.30	7.340
September....	6.60	8.80	7.45	3.15	.15	2.85	7.85	4.45	7.75	5.00	5.405
October	3.45	9.60	5.30	4.15	5.40	2.70	3.10	4.05	4.90	5.20	4.785
November....	9.90	6.80	6.80	3.90	6.70	7.60	1.85	5.35	5.60	7.55	6.205
December ....	.80	5.25	2.20	5.35	5.30	4.10	7.40	5.10	9.60	5.45	5.050
TOTALS	54.75	57.00	57.40	45.95	54.55	47.25	48.35	60.15	61.65	61.50	54.855

Winter months defective throughout as well as

1870-

RAINFALL AT *Ledard*

Lat.

Lon.

County of *Perth*

Rain Gauge, by

Observer. *J.M. Gale Esq. C.E.*
J.R. Sutherland Esq. C.E.

Forth, L. bank - 2.

Diameter ..	...									
Height	100										
Altitude ..	1500										
Year	1900	1901	1902	1903	1904	1905	1906	1907	1908	1909	MEANS.
January ..	5.20	3.40	3.50	5.50	3.75	2.25	5.55	2.20	5.00	3.90	4.025
February ..	2.40	1.90	5.60	5.40	4.00	2.35	.90	2.60	4.10	1.80	3.105
March ....	.30	3.15	3.45	7.00	2.00	5.00	2.15	3.30	5.30	1.60	3.425
April	3.55	3.65	3.45	1.60	7.70	3.55	1.00	3.45	1.95	6.05	3.595
May	7.00	3.90	3.15	3.15	6.40	2.90	6.60	5.40	5.05	6.55	5.010
June	7.60	6.20	2.60	4.45	4.15	2.10	1.30	7.85	4.20	4.50	4.495
July	5.45	4.00	4.80	8.25	5.05	4.30	4.60	4.30	7.40	3.60	5.175
August	7.40	5.05	5.40	12.05	8.05	8.85	8.50	9.25	6.25	5.00	7.580
September ..	6.65	7.55	6.25	6.00	8.75	4.95	3.75	2.30	12.00	3.05	6.125
October	7.30	7.40	5.30	15.05	4.25	4.90	8.35	5.20	2.70	11.35	7.180
November ..	8.10	2.95	8.05	2.75	1.85	8.35	4.85	3.45	5.35	2.45	4.815
December ..	12.35	4.25	6.80	6.20	4.75	4.20	3.45	6.80	5.85	7.80	6.245
TOTALS ..	73.30	53.40	58.35	77.40	61.70	53.70	51.00	56.10	65.15	57.65	60.775

Gauge on Hills between Loch Ard and Loch Katrine
Winter rainfall defective throughout as v. 11.12

RAINFALL at

Ledard

County of Perth

Observer J. R. Sutherland Esq. C.E.

River Basin Forth, upper-left bank tribs. 2.

Rain Gauge, by

Diameter ...			8								
Height			0 6		1 0						
Altitude ...	1500										
Year ...	1910	1911	1912	1913	1914	1915	1916	1917	1918	1919	MEANS.
January ...	4.65	4.95	6.50	4.68	5.15	4.95	11.50	4.10	9.00	6.80	
February ...	4.20	9.90	6.15	8.30	8.50	6.35?	11.55	1.40	14.30	1.45	
March	3.50	1.75	7.20	7.85	7.25	6.90?	1.10	3.80	2.80	3.70	
April	5.30	3.45	1.65	3.85	4.20	5.90?	5.00	4.70	1.55	6.10	
May	3.10	4.80	2.65	5.60	2.55	1.20	5.50	5.60	4.10	2.35	
June	5.65	4.30	6.75	6.85	2.20	2.30	11.05	4.70	3.55	5.95	
July	8.40	4.35	1.95	.25	3.10	6.50	(11.00)	2.40	5.20	3.10	
August	15.80	7.40	3.60	2.20	5.95	3.10	5.95	8.60	6.30	5.25	
September ..	2.55	3.05	4.20	3.20	3.65	2.55	3.20	10.00	8.30	9.35	
October ...	3.40	6.15	7.15	4.50	2.85	4.60	11.10	13.00	11.90	2.05	
November ..	3.50	5.90	4.20	10.40	12.50	2.75	10.60	15.70	9.85	3.90	
December ...	6.25	9.40	18.60	7.10	8.80	5.45	8.30	3.80	6.80	8.90	
TOTALS ...	66.30	65.40	70.60	64.78	66.70?	52.55?	(81.15)	77.80	83.65	59.50	
					imp. D	imp. D	imp. D	2	imp. D		

Winter months defective as VII. 13
1916 greyed?

average computed from records 1881-1915 rejected from survey
as 20" too low. x1/37.

Date.	Lat. N.	Long.	Railway Station.	Distance.	Direction.	Church.	Distance.	Direction.

RAINFALL at SedardCounty of PerthObserver J. R. Sutherland Esq. C.E.River Basin Forth. Upper 21926. G. Henshaw Esq. C.E.* W Rain Gauge, byGlasgow 1510.

Diameter ...	8			8								
Height	0 6			0 6								
Altitude ...	1500			1500								
Year	1920	1921	1922	1923	1924	1925	1926	1927	1928	1929	1930.	MEANS.
January ...	7.95	9.30	8.20	8.90	7.60	5.30	13.35	6.80	(20.00)	3.40	7.41	
February ...	9.55	2.40	7.40	10.70	2.15	5.60	9.35	5.45	7.65	3.17	1.05	
March	6.50	11.95	3.20	4.30	1.50	2.20	3.85	6.65	11.95	1.14	4.23	
April	3.65	2.10	5.10	6.05	3.05	6.25	3.50	3.75	4.45	2.11	2.64	
May	8.00	6.00	5.80	2.50	8.60	10.50	5.75	3.70	2.45	5.17	4.27	
June	3.20	.85	3.05	2.20	4.40	.70	6.10	7.00	10.70	4.71	3.95	
July	5.90	6.50	5.30	6.50	8.30	3.30	3.10	8.50	6.95	5.89	5.46	
August	8.55	10.20	5.05	9.90	6.50	7.90	5.65	10.70	10.10	8.27	9.67	
September...	4.35	4.10	5.10	10.80	7.50	5.10	4.80	6.50	6.00	2.52	5.47	
October	6.15	7.80	3.95	8.50	5.65	8.40	8.55	9.80	11.55	7.40	9.82	
November...	7.35	6.95	6.70	3.95	6.20	1.70	9.20	6.45	9.75	8.23	8.23	
December...	7.65	11.70	7.15	5.10	8.50	3.50	2.90	2.75	8.55	14.45	8.88	
TOTALS...	78.80	79.85	66.00	79.40	71.95	60.45	46.20	78.05	(109.90)	65.85	70.58	

1923. Jan. interpolated by M.O. Edinburgh.

* Flood of previous 15/1/29

Position of Station on reduced Ordnance Survey } No. of Map

Map, 2 miles to 1 inch Series

Reference No.

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

RAINFALL at LedardCounty of Perth Observer G. Menzies Wood, C.E.River Basin 2. North, Upper - Left Bank. J. Goobane H.C.E. 1935

Type of Gauge.....

Annual Average 69.0 in. based on 8 years obs. ~~un~~-weighted. Period of average 1881-1915 Ref. Settlement File

Diameter	8.							5			
Height	0.6.										
Altitude	1500.										
Year	1931	1932	1933	1934	1935	1936	1937	1938	1939	1940	Means
January	4.60	9.14	5.83	9.14	2.87	8.34	9.42	9.53	7.16	3.20	
February	3.41	.18	5.30	.90	6.94	4.16	6.12	7.99	7.62	3.40	
March	2.12	3.30	4.43	3.81	2.67	6.15	4.43	6.36	4.81	6.45	
April	4.16	6.53	3.88	6.27	5.33	1.98	4.73	1.22	2.96	7.23	
May	8.41	5.73	3.82	3.88	.51	2.74	3.13	7.60	(1.79)	1.40	
June	9.30	3.14	3.23	3.47	8.24	3.16	5.49	9.03	4.52	5.5	
July	5.64	6.19	5.23	3.84	2.45	6.79	6.67	7.34	9.83	4.36	
August	3.94	3.14	4.65	7.22	4.72	4.53	6.08	5.18	3.10	2.97	
September	2.74	3.79	2.28	9.86	10.22	6.52	5.79	7.53	4.68	4.00	
October	5.26	4.70	5.13	11.23	11.97	6.49	5.31	13.30	5.25	11.73	
November	14.31	5.86	4.17	2.04	5.37	4.66	1.34	14.00	10.25	10.15	
December	5.59	10.04	2.00	16.21	6.20	6.86	3.63	8.82	5.40	8.43	
TOTALS	69.68	66.74	49.95	77.87	67.49	62.28	62.14	97.90	67.37	62.87	

* average computed N/32 from records 1916-1932 registered from Snowy
as 1.10" too small. The records 1881-1915 were also registered, as 2.0" too small.

† Entries of first week suggestive.

† Inspected 29/3/38. There is an 8" float gauge & 5" m.a. gauge alongside. The site is on a steep hillside facing W. ground has been levelled for a few feet round gauges. Rain is driven over the gauges rather than in them by strong winds. Tinf wall is not likely to solve problem as it would be washed away or destroyed by mountain sheep. The 5" gauge was set up in 2/29 & readings quoted in recent years have been from 5" gauge.

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

Station No. 5508RAINFALL at Ledard

41

County of Perth Observer J. Cockburn Esq. C.E.
 River Basin 2, Forth, Upper Left Bank Tan A. Bath Esq. (1942)
 Type of Gauge J. D. Barwin Esq. C.E. (1946)

Annual Average 69.0 in. based on 8 years obs. unweighted. Period of average 1881-1915 Ref. Scottish File

File No.

Diameter	5"										
Height	0' 6"										
Altitude	1500'										
Year	1941	1942	1943	1944	1945	1946	1947	1948	1949	1950	Means
January	116	(800)	10.25								
February	551	(280)	9.43								
March	273	4.55	3.45								
April	313	4.82	5.42								
May	303	5.23	5.70								
June	83	3.18	6.20								
July	400	5.80	4.12								
August	597	10.12	12.90								
September	380	9.95	5.82								
October	770	7.20	16.42								
November	818	1.48	4.24								
December	(622)	12.50	3.55								
TOTALS	52.26	75.63	87.50								
	M	M	M								

1941 Dec. fr. 667d.
 1942 Jan & Feb estd for mean.

Record 1910-19 1920-30 1931-40 1941-50
 T 43
 Total

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

BRITISH RAINFALL ORGANIZATION