

Greenock. Shaw's W. W.

60
Renfrew.

N^o 2 NE side of hill on top of which is No 3

Hill side Park - Shiel hill

(Compensation Res.)

+ Ground bin.

+ L.L. 560 ft.

Firth of Clyde - 3

YEAR - -	1860	1861	1862	1863	1864	1865	1866	1867	1868	1869	MEANS.
January - -					6.50	6.50			6.20	8.40	
February - -					6.20	5.90			11.60	8.30	
March - - -					6.10	3.10			9.50	1.40	
April - - -					3.10	1.00			4.30	3.00	
May - - -					2.00	4.10			4.90	90	
June - - -					3.90	1.90			3.40	2.10	
July - - -					3.60	3.10			1.70	3.90	
August - - -					1.90	6.50			7.30	1.30	
September -					4.10	2.10			3.00	12.00	
October - -					3.60	7.10			7.20	3.00	
November -					5.60	5.90			5.30	9.40	
December -					5.50	8.50			10.50	10.60	
TOTALS -					52.10	55.70			74.90	64.30	

Taken on 1st of Month

RAINFALL AT *Greenock Skaw N.W. Is. 2 Compens Res*

Lat.....

Lon.....

County of *Renfrew*

Rain Gauge, by.....

Observer *J. Wilson Esq.**7th of July - 3.*

Diameter.....	<i>6</i>										
Height.....	<i>9</i>										
Altitude.....	<i>560</i>	<i>616</i>					<i>600</i>				
YEAR.....	1870	1871	1872	1873	1874	1875	1876	1877	1878	1879	MEANS.
January.....	<i>5.90</i>	<i>4.70</i>	<i>11.70</i>		<i>7.70</i>	<i>10.50</i>	<i>5.70</i>	<i>12.30</i>	<i>7.70</i>	<i>1.60</i>	
February.....	<i>4.40</i>	<i>9.40</i>	<i>7.50</i>		<i>2.20</i>	<i>2.40</i>	<i>6.90</i>	<i>7.90</i>	<i>4.40</i>	<i>3.30</i>	
March.....	<i>7.70</i>	<i>5.10</i>	<i>6.10</i>		<i>6.30</i>	<i>2.40</i>	<i>6.10</i>	<i>3.80</i>	<i>3.20</i>	<i>5.30</i>	
April.....	<i>2.90</i>	<i>5.70</i>	<i>2.20</i>		<i>3.50</i>	<i>2.30</i>	<i>3.70</i>	<i>5.10</i>	<i>4.30</i>	<i>2.60</i>	
May.....	<i>5.90</i>	<i>1.50</i>	<i>3.70</i>		<i>2.50</i>	<i>4.70</i>	<i>.90</i>	<i>4.00</i>	<i>5.90</i>	<i>3.20</i>	
June.....	<i>2.60</i>	<i>2.80</i>	<i>8.90</i>		<i>1.90</i>	<i>4.30</i>	<i>4.50</i>	<i>4.20</i>	<i>3.30</i>	<i>6.50</i>	
July.....	<i>3.00</i>	<i>4.30</i>	<i>5.00</i>		<i>(3.60)</i>	<i>3.00</i>	<i>4.20</i>	<i>5.20</i>	<i>1.60</i>	<i>5.60</i>	
August.....	<i>2.10</i>	<i>5.10</i>	<i>5.20</i>		<i>6.80</i>	<i>6.50</i>	<i>6.50</i>	<i>9.90</i>	<i>3.80</i>	<i>6.60</i>	
September.....	<i>4.50</i>	<i>3.60</i>	<i>12.10</i>		<i>9.40</i>	<i>6.70</i>	<i>3.60</i>	<i>2.60</i>	<i>7.20</i>	<i>11.70</i>	
October.....	<i>7.40</i>	<i>6.80</i>	<i>5.90</i>		<i>13.90</i>	<i>10.20</i>	<i>7.90</i>	<i>10.50</i>	<i>8.50</i>	<i>4.00</i>	
November.....	<i>2.90</i>	<i>4.70</i>	<i>10.60</i>		<i>7.10</i>	<i>7.90</i>	<i>3.00</i>	<i>13.50</i>	<i>2.70</i>	<i>2.20</i>	
December.....	<i>4.70</i>	<i>8.00</i>	<i>8.60</i>	<i>#</i>	<i>2.40</i>	<i>7.00</i>	<i>10.40</i>	<i>10.00</i>	<i>2.40</i>	<i>4.80</i>	
TOTALS.....	<i>48.10</i>	<i>61.70</i>	<i>87.50</i>	<i>(9.20)</i>	<i>(67.30)</i>	<i>67.90</i>	<i>63.40</i>	<i>89.00</i>	<i>55.00</i>	<i>57.40</i>	<i>(66.60)</i>

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*Register discontinued on account of this station
being so near Loch Thom
1873 - Loch Thom*

RAINFALL AT *Shaw's Mill Compensation Res.*

Lat. _____

Lon. _____

County of _____

Rain Gauge, by _____

Observer *J. Wilson, Esq., C.E.*

Firm of Clyde - 3. No 2

Diameter	6											
Height	0.9									1.0		
Altitude	600											
Year	1880	1881	1882	1883	1884	1885	1886	1887	1888	1889	MEANS.	
January	4.10	.90	7.90	8.60	10.10	7.20	7.30	6.80	5.30	4.70	6.270	
February	7.20	4.90	6.90	6.60	9.30	6.50	3.30	4.90	1.80	4.30	5.570	
March	4.70	6.20	6.30	2.30	4.00	5.60	5.00	4.00	3.60	3.80	4.550	
April	5.20	2.30	4.00	4.00	2.80	4.70	3.20	3.90	3.60	3.70	3.740	
May	2.30	3.70	3.60	5.00	6.70	3.20	3.80	1.30	5.20	4.00	3.880	
June	3.00	6.10	5.40	3.80	1.70	1.90	1.70	1.80	3.30	2.10	3.080	
July	3.30	7.70	8.50	4.00	6.50	2.90	3.80	4.30	5.90	3.50	5.040	
August	2.60	6.10	4.30	8.00	3.80	4.20	4.10	4.50	4.60	7.10	4.930	
September	3.80	4.50	5.70	4.70	5.70	8.90	8.60	6.20	2.80	2.50	5.340	
October70	3.60	5.30	7.20	8.30	4.20	5.80	3.80	3.70	5.30	4.790	
November	8.30	8.30	8.30	10.50	6.40	3.90	5.70	6.00	7.80	4.00	6.920	
December	5.30	7.80	7.90	9.20	10.30	4.90	6.10	5.60	7.10	7.10	7.130	
TOTALS	50.50	62.10	74.10	73.90	75.60	57.90	58.40	53.10	54.70	52.10	61.240	

RAINFALL AT *Shaws W.W. Compensation Reservoir*

Lat. _____

Lon. _____

County of _____

Kennewick

Rain Gauge, by _____

Observer _____

J. Wilson Esq. C.E.

R. Gilman Esq. C.E.

First of July, 1880.

D. Macalister Esq. C.E.

Diameter	6	5										
Height	1	0										
Altitude	600											
Year	1890	1891	1892	1893	1894	1895	1896	1897	1898	1899	MEANS.	
January	7.59	4.64	6.09	3.16	8.55	1.94	4.14	2.45	5.76	7.02	5.134	
February	1.78	2.03	2.83	5.29	11.30	1.22	4.38	4.63	5.55	3.49	4.250	
March	5.91	4.67	1.64	2.73	5.11	5.47	6.99	6.74	2.92	3.71	4.589	
April	2.00	2.90	1.88	2.39	2.86	4.05	2.56	3.19	4.44	4.35	3.062	
May	3.87	2.51	6.04	3.18	3.65	.26	1.04	2.93	2.69	3.83	3.000	
June	7.05	2.25	5.13	1.88	3.49	2.22	4.71	7.34	3.53	2.05	5.965	
July	6.14	2.11	3.07	5.35	3.66	5.37	5.66	3.06	2.07	4.58	4.107	
August	4.06	7.73	8.91	4.31	6.22	7.94	2.96	6.75	8.11	2.41	5.940	
September	8.75	8.56	10.00	5.21	.16	2.65	7.26	5.46	7.45	6.75	6.225	
October	6.76	5.74	4.79	9.04	4.32	4.29	3.51	3.59	4.69	5.01	5.174	
November	11.47	6.40	7.28	5.73	5.92	7.36	2.41	5.04	7.52	7.45	6.658	
December	1.71	9.36	3.49	6.88	5.60	7.07	6.87	7.85	8.98	5.53	6.334	
TOTALS	67.09	58.90	61.15	55.15	60.84	49.84	52.49	59.03	63.71	56.18	58.428	

1880

RAINFALL AT

Shaws W. W. Compensation River

Lat.

Lon.

County of

Renfrew

Rain Gauge, by

Observer

D. Macalister Esq C.E.

Fifth of Clyde - 3.

Diameter ..	5											
Height	1 0											
Altitude ..	600											
Year	1900	1901	1902	1903	1904	1905	1906	1907	1908	1909	MEANS.	
January ..	9.60	4.62	6.06	8.41	6.86	4.82	8.25	5.42	9.48	8.89	7236	
February ..	3.89	2.20	2.14	10.08	6.36	5.80	4.93	5.74	5.11	4.01	5026	
March51	2.90	5.10	9.58	4.01	6.86	5.88	6.34	6.87	2.79	5084	
April	4.10	5.14	2.68	2.03	7.77	5.29	2.12	4.88	2.57	6.13	4271	
May	4.91	1.91	3.39	3.87	4.28	3.01	7.68	7.33	3.82	4.35	4425	
June	4.10	4.12	1.84	2.72	3.41	1.79	2.08	5.98	4.16	3.17	3337	
July	5.02	2.21	5.16	5.83	3.81	4.68	4.79	3.22	5.64	6.28	4664	
August	5.83	7.08	4.72	9.84	6.68	6.33	5.79	8.15	5.94	4.37	6473	
September ..	5.85	6.13	5.35	5.27	7.05	3.77	4.30	2.44	11.76	3.00	5492	
October	8.42	6.86	3.90	12.30	4.80	5.56	9.89	7.92	1.94	10.44	7203	
November ..	7.29	6.77	5.92	5.45	5.01	7.70	7.30	6.44	6.48	4.92	6328	
December ..	10.81	5.79	7.11	7.50	5.66	6.28	6.87	9.87	8.47	9.32	7768	
TOTALS ..	70.33	55.73	53.37	82.58	65.70	61.89	69.88	73.73	72.19	67.67	67307	

Hub

RAINFALL at Shaws W.W., Compensation Res.County of Renfrew Observer D. Macalister Esq. C.E.River Basin Firth of Clyde - left bank tribut. 3.(1918) James Macalister, Esq.,

Rain Gauge, by _____

Diameter ...	5										
Height	1 0										
Altitude ...	600										
Year ...	1910	1911	1912	1913	1914	1915	1916	1917	1918	1919	MEANS.
January	7.63	6.46	6.55	5.98	5.82	5.80	10.50	3.50	7.38	5.98	
February	9.67	9.80	6.07	4.87	8.05	11.94	7.42	1.60	11.35	2.22	
March	3.51	2.33	8.13	7.48	7.66	4.60	2.38	3.50	3.40	4.58	
April	6.18	5.12	3.88	5.69	4.70	5.16	5.66	2.21	1.71	5.72	
May	3.86	4.59	3.44	5.38	2.93	1.40	6.47	4.97	4.41	1.30	
June	2.84	3.18	6.88	5.46	1.80	2.35	2.85	3.91	2.32	6.57	
July	5.26	4.77	3.35	1.79	2.20	5.41	3.59	3.06	5.14	1.72	
August	10.00	6.05	8.06	2.37	6.34	4.10	4.72	5.13	5.62	4.06	
September	2.88	3.50	3.78	3.08	4.22	2.06	2.98	5.27	7.39	6.51	
October	3.83	5.19	8.36	4.84	3.38	3.50	10.15	12.57	11.55	1.40	
November	4.82	7.14	6.58	8.58	8.44	3.27	8.95	14.47	9.64	5.61	
December	8.55	10.41	13.15	5.89	10.47	7.84	8.40	4.99	8.92	11.36	
TOTALS	69.03	68.54	78.23	60.91	66.01	57.43	74.07	65.18	79.03	55.03	

D

D

Date.	Lat. N.	Long. W.	Railway Station.	Distance.	Direction.	Church.	Distance.	Direction.
1912			Upper Greenock					
1919.	55° 54' 50"	4° 26' 9"	-2-					

RAINFALL at *Shaws W.W. Compensation Reservoir*County of *Pemphre*Observer *J. Macalister Esq., C.E.*River Basin *Firth of Clyde* 3.*Water Eng. Greenock*(1926) *N.O.* Rain Gauge, by _____

Diameter ...	5"											
Height	1 0											
Altitude ...	600											
Year	1920	1921	1922	1923	1924	1925	1926	1927	1928	1929	1930 MEANS	
January ...	8.65	12.55	(6.94) 9.43	7.40	6.16	11.25	9.20	13.80	2.54	10.22		
February ...	9.64	2.80	7.88 7.86	1.86	4.71	7.61	4.64	5.63	2.55	.60		
March	7.17	10.96	3.04 3.27	1.43	2.96	6.65	5.57	6.31	1.46	4.90		
April	3.06	2.41	4.40 5.61	4.17	7.63	2.92	4.83	3.31	1.46	2.30		
May	5.73	4.06	6.18 3.13	5.82	9.09	3.55	4.16	2.05	5.29	3.05		
June	2.86	.95	3.53 2.10	4.04	2.37	4.41	4.84	7.25	4.01	3.80		
July	5.52	5.47	4.19 6.24	5.29	2.06	3.48	6.36	5.26	6.67	4.36		
August	6.98	7.71	4.26 8.34	5.12	5.26	6.57	7.79	5.91	8.16	7.83		
September...	4.74	2.70	4.89 12.99	8.44	4.35	5.44	10.61	5.23	2.80	5.53		
October	4.32	6.99	4.14 10.49	4.29	6.85	9.50	8.18	11.05	9.66	10.98		
November...	7.42	4.24	4.23 5.86	5.82	1.69	9.64	10.05	10.00	10.49	8.85		
December...	6.22	11.96	6.43 6.36	9.73	4.44	4.43	1.87	6.21	16.52	6.27		
TOTALS...	75.31	73.80	60.11 81.68	63.51	57.57	75.45	78.10	82.21	71.61	68.66		
	D	D	D D	D	D	D	D	D	D	D	D	

1922 Jan. corrected for snow.

1930 As recommended a new 5" standard g. with tin wall was installed on 3/11/30,
 30 yards W of present g. Readings from both g's. will be returned from 1/1/31.

Position of Station on reduced Ordnance Survey }
 Map, 2 miles to 1 inch Series

No. of Map _____

Reference No. _____

Date.	Lat. N.	Long. W.	Railway Station.	Distance from gauge	Direction from gauge	Parish Church.	Distance from gauge	Direction from gauge
1920	55° 54' 50" N	4° 45' 0" W	Greenock					

RAINFALL at Shaw W.W. (Compensation Reservoir)County of Renfrew Observer J. Macdonald, C.E.River Basin S. Firth & ClydeType of Gauge SnowdonAnnual Average 63.4 in. based on 35 years obs. un-weighted. Period of average 1881-1915 Ref. 5.
computed x1/36

Diameter	5										
Height	1.0										
Altitude	600										
Year	1931	1932	1933	1934	1935	1936	1937	1938	1939	1940	Means
January	6.91	10.52									
February	5.65	10.1									
March	1.68	2.32									
April	2.58	5.48									
May	5.22	2.85									
June	7.55	1.87									
July	5.40	4.09									
August	2.71	3.51									
September	2.10	6.02									
October	6.41	8.30									
November	8.06	5.89									
December	6.55	10.48									
TOTALS	60.82	61.34									

1931 1/2. Old gauge being kept for observation purposes - to be dismantled at end of 1932
(Dr. Glasford's recommendation).
1935. Per letter from M.O. Edinburgh. Gauge abandoned at end 1934.

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			Greenock.					

RAINFALL at *Shaws W.W. Compensation Res^d New Gauge*County of *Renfrew*Observer *James Mac Alister C.E.*River Basin *3- Liff of Clyde*Type of Gauge *Snodon*

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

Diameter	5											
Height	1'0											
Altitude	600											
Year	1931	1932	1933	1934	1935	1936	1937	1938	1939	1940	Means	
January	7.80	11.96	8.53	11.26	4.14	7.17	10.59	10.52	5.23	4.22		
February	6.80	.02	7.33	1.61	9.86	4.50	7.18	4.40	9.07	2.95		
March	1.94	2.55	4.98	3.86	2.83	4.53	1.77	7.65	4.11	5.21		
April	3.06	6.13	4.69	5.15	4.23	2.15	3.53	1.06	3.98	3.28		
May	5.54	2.93	4.45	5.31	.97	3.15	2.10	4.77	1.87	.78		
June	8.15	2.07	3.43	4.03	4.12	2.45	4.56	7.97	2.40	1.02		
July	6.01	4.54	5.32	5.85	8.74	7.99	5.14	5.68	6.36	2.90		
August	2.74	4.09	5.06	6.65	3.48	4.24	4.29	3.63	2.76	2.77		
September	2.12	6.62	.93	7.70	9.18	4.56	4.83	5.83	3.30	3.95		
October	7.16	9.05	3.52	11.49	14.72	8.49	3.62	12.32	4.93	8.04		
November	8.89	6.55	4.28	11.21	7.23	5.94	1.99	12.69	10.29	9.34		
December	8.34	12.80	2.52	11.57	5.63	11.26	4.36	6.94	2.38	9.41		
TOTALS	68.55	69.31	55.04	76.69	70.13	66.43	53.96	83.36	56.68	53.87		
	D	D	D	D	D	D	D	D	D	D		

New Gauge 3/12/30.

20 yards W of old at Compensation Res^d and turf wall erected round gauge.
In Jan. 1st 1931 to be taken as Official gauge at Comp^d Res.
Dr. Glassford's recommendation.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
1931.			Greenock.			

Station No.

5310/1

RAINFALL at § Shaw's W.W./Compensation Res. 41County of Renfrew Observer James MacAlister Esq. C.E.River Basin 3-Firth of ClydeType of Gauge Snowdon

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

File No.

Diameter	5"				649	671					
Height	1'0"					1					
Altitude	600'					41					
Year	1941	1942	1943	1944	1945	1946	1947	1948	1949	1950	Means
January	1.37	10.83	7.94	8.48	5.33	10.29	7.79	9.71	9.60	5.26	
February	6.82	2.22	7.10	2.56	9.09	4.06	(1.63)	7.21	7.92	7.12	
March	3.54	5.73	3.62	1.47	4.67	3.34	(5.09)	7.28	3.55	4.41	
April	3.35	3.29	4.89	4.35	2.49	3.40	8.92	4.20	9.41	4.25	
May	2.90	3.87	4.00	5.76	5.75	1.70	5.36	2.24	2.94	2.01	
June	1.90	3.04	4.65	5.88	4.47	4.44	4.65	6.54	1.71	2.72	
July	3.72	4.97	2.68	5.32	6.24	4.57	5.53	7.04	3.26	6.24	
August	6.40	6.76	9.52	4.47	2.91	3.82	0.03	9.15	5.94	7.10	
September	2.04	8.07	5.66	6.65	6.92	8.39	6.74	9.64	3.15	11.50	
October	7.17	9.39	13.05	7.27	8.11	.53	3.73	11.73	8.37	7.54	
November	7.28	1.47	4.10	8.96	0.87	7.77	9.42	5.89	7.94	5.24	
December	4.45	10.97	3.74	7.46	6.24	8.47	4.10	9.32	11.45	2.15	
TOTALS	50.94	70.61	70.95	68.63	63.09	60.78	62.99	89.95	75.24	65.58	

1947. Feb + Mar adj. for snow H.O. 5(b)

30004

§ Turf wall round gauge

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.
1948			Greenock.					

BRITISH RAINFALL ORGANIZATION

649677

RAINFALL at 5 Greenock Wm Station No. 5310/11 51
Thames W. W. (Compensation Res.)
 County of Renfrew Observer James MacAlister Esq. C.E.
 River Basin Firth of Clyde - 3 Colony of the Cape
 Type of Gauge Snowdon Water Engineer (imp. 1916)

Annual Average in. based on years obs. un-weighted. Period of average 1916 - 50 Ref.
66.62 - 1 - 1959 File No.

Diameter ...	5"				649	674					
Height ...	1'0"					1					
Altitude ...	600'					51					
Year ...	1951	1952	1953	1954	1955	1956	1957	1958	1959	1960	Means
January ...	6.85	7.71	4.89	8.28	4.89	4.19	8.34	8.00	2.18	5.24	
February ...	4.23	3.05	3.45	6.69	4.29	2.08	4.33	5.16	2.79	6.44	
March ...	5.17	4.93	1.91	5.11	2.86	3.39	6.86	2.21	4.16	3.88	
April ...	3.98	3.00	2.90	3.89	6.01	2.13	3.16	2.71	5.28	7.40	
May ...	2.48	2.15	3.61	3.96	5.14	4.09	2.49	5.11	1.45	3.26	
June ...	2.57	4.59	1.76	5.31	4.38	3.43	2.90	4.27	3.74	3.55	
July ...	4.42	3.44	7.04	4.09	1.59	5.80	6.51	7.17	4.21	6.73	
August ...	4.37	5.90	6.26	6.21	1.52	6.11	5.31	5.51	1.65	4.12	
September ...	5.50	4.89	8.43	9.85	6.36	5.17	4.15	5.05	1.98	4.38	
October ...	2.09	7.07	5.20	11.18	6.29	3.96	6.97	5.82	7.24	4.04	
November ...	9.30	2.68	10.81	9.80	3.87	3.32	3.09	2.92	7.75	9.42	
December ...	11.08	7.46	7.17	8.18	10.31	9.55	8.21	8.21	11.86	7.74	
TOTALS ...	62.04	56.87	63.43	82.55	57.51	53.22	62.32	62.14	57.29	66.20	
	D	D	D	D	D	D	D	D	NP	D	

1955 Imp. 11.6. 14.6. J. no knife edge however leading (butter used) New gauge needed See over
 Site on road with reservoir in side ground into N.E. Half or slightly dip SW-SE. Remains of
 deep well sunk nearby notes what could cause in splashy. Overground S-SW.
 Channel v. robust. Surface. Old road but then.

cc. 1957. Rec. not yet carried out.
 April 1958 Rec. carried out.
 1959 Imp. 10.6.
 1960 Imp. 10.6.

Position of Station on Ordnance One-Inch map: No. of Map..... National Grid Reference 24 3 22.

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

Summary of Earlier Records from 10-year Sheets:

Record D, or d	1910-19	1920-30	1931-40	1941-50	1951-60
	✓ 124.16 - last D 11.6.19	✓	✓	✓	✓