

RAINFALL AT *Airdrie Reservoir Hillend* *Lanarkshire*

Observer *W. D. Thomson*
 Rain { By.....
 Gauge { *Crookley*.....
 Diameter.....in.

Height above Ground,.....ft.....in.

Above Mean Sea Level.....ft.

Clyde, R. bank - 4.

YEAR.....	1850	1851	1852	1853	1854	1855	1856	1857	1858	1859	MEANS.
January.....											
February.....											
March.....											
April.....											
May.....											
June.....											
July.....											
August.....											
September.....											
October.....											
November.....											
December.....											
TOTALS			42.35	32.15	34.17	23.00	30.72	27.51	29.88	36.16	

from M.S.

Hillend House

D. Thomson

Lanark.

Dec 10 in

Brookly + ground 7 feet

+ Sea Level 620 ft

Clyde, Rank - H.

YEAR - -	1860	1861	1862	1863	1864	1865	1866	1867	1868	1869	MEANS.
January - -	3.38	2.74	4.30	4.75	2.37	1.55	4.46	1.98	3.98	3.71	3.322
February - -	2.10	2.74	1.45	1.69	2.52	.53	3.16	3.18	4.66	4.75	2.678
March - - -	2.80	3.79	3.08	1.11	3.80	.91	1.33	.91	4.00	.75	2.248
April - - -	1.06	1.05	2.82	2.49	1.21	.64	1.20	3.27	3.17	.72	1.763
May - - -	2.31	.78	3.33	2.70	1.40	3.04	1.65	2.50	2.45	1.09	2.125
June - - -	4.02	2.67	2.97	2.72	2.62	.59	1.19	2.70	1.58	2.14	2.320
July - - -	1.28	3.75	4.80	.55	3.02	2.67	3.93	3.34	.58	1.53	2.545
August - - -	3.27	7.05	3.21	2.77	1.58	4.58	3.74	3.39	4.45	1.54	3.558
September -	1.17	5.22	2.32	2.85	4.24	1.06	4.37	3.35	2.47	5.58	3.263
October - -	5.17	3.61	6.25	3.77	4.92	4.10	1.94	3.08	3.55	2.01	3.840
November -	1.96	4.80	1.85	2.84	2.23	2.61	3.52	.68	2.86	3.83	2.718
December -	1.97	1.75	4.71	3.18	2.19	1.90	4.40	2.65	4.70	3.20	3.065
TOTAL -	30.49	39.95	41.09	31.42	32.10	24.18	34.89	31.03	38.45	30.85	33.445

Hillend Reservoir about 1 m from Auchengray S.W.
 D. Rankin gives 4 + 6? to 620 + S L

RAINFALL AT *Airdrie Hillend House*

Lat..... Lon..... County of *Lancashire*
 Rain Gauge, by..... Observer *M. D. Harrison*

Clyde, R. Bank - 4.

Diameter	<i>4</i>				<i>6</i>							
Height	<i>7</i>				<i>4.8</i>		<i>4.6</i>					
Altitude	<i>620</i>				<i>620</i>							
YEAR	1870	1871	1872	1873	1874	1875	1876	1877	1878	1879	MEANS.	
January.....	<i>2.52</i>	<i>2.54</i>	<i>4.97</i>	<i>7.53</i>	<i>3.63</i>	<i>6.21</i>	<i>2.08</i>	<i>7.15</i>	<i>3.89</i>	<i>1.36</i>		
February.....	<i>1.55</i>	<i>3.83</i>	<i>2.45</i>	<i>1.60</i>	<i>1.32</i>	<i>1.01</i>	<i>3.86</i>	<i>4.59</i>	<i>1.66</i>	<i>1.36</i>		
March.....	<i>.80</i>	<i>2.22</i>	<i>2.29</i>	<i>2.23</i>	<i>3.04</i>	<i>1.30</i>	<i>5.60</i>	<i>2.15</i>	<i>1.80</i>	<i>2.54</i>		
April.....	<i>1.24</i>	<i>2.12</i>	<i>3.14</i>	<i>17</i>	<i>1.66</i>	<i>1.66</i>	<i>2.18</i>	<i>2.21</i>	<i>2.17</i>	<i>1.91</i>		
May.....	<i>2.35</i>	<i>32</i>	<i>3.10</i>	<i>2.79</i>	<i>1.93</i>	<i>2.30</i>	<i>1.22</i>	<i>2.04</i>	<i>4.19</i>	<i>2.20</i>		
June.....	<i>2.49</i>	<i>46</i>	<i>6.82</i>	<i>2.08</i>	<i>2.02</i>	<i>3.14</i>	<i>2.42</i>	<i>3.35</i>	<i>2.18</i>	<i>4.88</i>		
July.....	<i>2.53</i>	<i>4.90</i>	<i>5.29</i>	<i>3.21</i>	<i>4.88</i>	<i>2.32</i>	<i>3.34</i>	<i>4.87</i>	<i>.95</i>	<i>4.80</i>		
August.....	<i>.79</i>	<i>3.24</i>	<i>3.86</i>	<i>3.96</i>	<i>5.20</i>	<i>3.06</i>	<i>4.74</i>	<i>6.50</i>	<i>3.34</i>	<i>5.88</i>		
September.....	<i>2.66</i>	<i>1.76</i>	<i>7.77</i>	<i>4.48</i>	<i>4.13</i>	<i>4.12</i>	<i>2.70</i>	<i>1.89</i>	<i>5.49</i>	<i>4.04</i>		
October.....	<i>3.31</i>	<i>2.10</i>	<i>3.20</i>	<i>6.10</i>	<i>5.52</i>	<i>4.80</i>	<i>4.48</i>	<i>4.35</i>	<i>3.97</i>	<i>2.64</i>		
November.....	<i>1.89</i>	<i>1.23</i>	<i>4.37</i>	<i>2.14</i>	<i>4.76</i>	<i>4.03</i>	<i>2.68</i>	<i>5.65</i>	<i>1.56</i>	<i>2.04</i>		
December.....	<i>1.92</i>	<i>1.67</i>	<i>6.15</i>	<i>2.69</i>	<i>1.37</i>	<i>2.48</i>	<i>5.20</i>	<i>4.11</i>	<i>1.43</i>	<i>1.95</i>		
TOTALS.....	<i>24.13</i>	<i>26.53</i>	<i>51.00</i>	<i>39.00</i>	<i>39.46</i>	<i>36.43</i>	<i>40.50</i>	<i>48.86</i>	<i>32.63</i>	<i>35.60</i>	<i>37.41</i>	

1872 G considered to be out of order. A new G started January 1st 1873

1878 Trees 30 ft high, nearest 30 ft distant N.

Stott's church 4 miles S.

1872 & 1873 estimated from Hamilton & Cambuslang, Bushy Hill months distributed by Glasgow Crook 10, 11, 12

RAINFALL AT *Airdrie Hillend Reservoir*

Lat. _____

Lon. _____

County of _____

Lanark

Rain Gauge, by _____

Observer _____

W. H. Ritchie
Clyde, R. bank - 4.

Diameter	6										
Height	4.6										
Altitude	620 ft										
Year	1880	1881	1882	1883	1884	1885	1886	1887	1888	1889	MEANS.
January	1.83	.72	4.54	4.20	6.04	2.79	5.62	1.48	3.08	2.11	3.241
February	3.47	3.73	3.29	1.95	3.62	3.75	1.36	2.59	.87	2.61	2.724
March	2.95	2.46	4.24	.69	2.50	1.17	3.68	1.78	3.05	2.07	2.459
April	3.90	.68	2.37	2.06	.95	1.78	1.77	2.31	1.76	1.99	1.957
May	1.02	2.81	2.20	1.85	3.65	3.33	3.56	1.10	2.75	2.36	2.463
June	1.77	2.34	4.60	2.27	.74	1.35	1.53	1.19	2.11	.84	1.874
July	4.17	6.37	6.10	2.93	4.46	1.49	2.97	3.45	4.79	2.63	3.936
August	1.06	4.14	2.69	4.21	2.15	2.24	1.85	3.46	2.43	6.06	3.029
September....	3.06	2.48	3.35	3.67	2.60	5.41	5.26	5.39	1.68	1.58	3.448
October	1.07	2.10	3.95	4.01	3.04	3.28	3.40	1.66	1.43	3.68	2.762
November....	4.58	4.57	5.90	5.98	3.32	2.39	2.81	3.99	7.53	1.80	4.287
December	4.12	3.21	4.07	4.36	6.15	1.68	3.86	3.17	3.18	2.42	3.622
TOTALS	33.00	35.61	47.30	38.18	39.22	30.66	37.67	31.57	34.66	30.15	35.802

Shotts Church 4 miles S.

Trees 30ft high 60ft N.

RAINFALL AT *Aridrie Hillend Reservoir*

Lat. _____

Lon. _____

County of *Lanark*

Rain Gauge, by _____

Observer

Mr W. A. Ritchie

Clyde, Bank - 14.

Diameter	6										
Height	4 6										
Altitude	620 π										
Year	1890	1891	1892	1893	1894	1895	1896	1897	1898	1899	MEANS.
January	6.11	2.28	2.68	1.24	4.21	1.78	2.29	1.42	2.77	5.79	2.059
February ....	.89	.76	2.86	4.33	8.47	.20	1.53	2.42	2.71	1.87	2.604
March	3.11	3.35	.73	1.49	3.40	3.37	4.75	4.24	1.83	3.13	2.940
April	1.55	.25	.86	1.69	1.39	1.69	2.13	2.03	2.05	3.27	1.691
May	2.99	2.26	3.76	2.37	3.15	.70	.81	2.20	2.07	3.59	2.390
June	4.08	1.23	4.03	3.33	2.86	2.67	4.33	5.09	2.73	1.79	3.214
July	3.85	1.68	2.58	3.21	2.58	4.26	4.31	2.15	1.75	4.04	3.041
August	3.33	6.03	7.53	2.97	6.36	7.05	2.24	3.87	4.71	1.07	4.516
September	3.64	5.93	4.39	2.11	.20	1.71	4.04	3.24	6.07	4.18	3.581
October	4.13	3.34	4.28	5.81	2.90	4.09	3.83	1.55	4.90	3.99	3.882
November	6.69	2.74	3.22	2.88	4.24	3.67	1.17	3.39	4.69	4.46	3.751
December	1.91	6.69	2.71	3.82	3.21	4.33	4.85	5.10	4.81	3.37	4.080
TOTALS	42.28	36.54	39.63	35.25	42.97	35.52	36.28	36.70	41.09	40.55	38.681

1890 *Shotts Church* 4 miles S

Trees 30 ft high 60 ft N

1897 *Caldenmish Ch* $\frac{1}{2}$ mile W

1880

RAINFALL AT

Airdrie Hillend Reservoir

Lat.

Lon.

County of

Lancashire

Tube & Height Rain Gauge, by

Observer

Mr W A Ritchie

Claydon, Ribblesdale - 14.

Diameter ..	6											
Height	4.6											
Altitude ..	620 ft											
Year	1900	1901	1902	1903	1904	1905	1906	1907	1908	1909	MEANS.	
January ..	4.83	2.25	4.03	5.65	3.52	2.02	3.87	3.06	3.44	4.40	3.707	
February ..	2.58	1.35	1.01	7.71	2.26	2.21	2.07	2.88	1.97	2.07	2.606	
March ....	.60	1.95	2.54	6.87	1.44	4.03	2.88	3.53	4.17	3.27	3.128	
April	2.19	2.04	.78	1.37	5.13	2.65	1.53	1.39	1.09	4.17	2.234	
May	1.97	2.01	1.56	2.01	3.09	1.65	4.88	3.41	3.37	2.77	2.672	
June	3.61	2.86	2.22	1.83	1.32	.79	1.72	4.28	2.08	2.04	2.275	
July	4.37	1.49	3.65	3.71	3.15	3.11	2.55	2.69	3.27	3.82	3.181	
August	4.19	4.83	1.87	5.90	3.62	3.83	6.59	5.04	2.53	3.35	4.175	
September ..	3.67	1.85	2.28	2.99	2.40	2.39	2.40	1.38	5.51	2.09	2.796	
October	4.78	3.95	1.89	7.45	2.09	2.30	7.34	8.11	1.26	5.03	4.420	
November ..	6.02	3.71	1.58	2.54	1.96	3.76	4.73	2.12	3.17	2.24	3.183	
December ..	6.04	3.76	3.48	2.23	4.61	3.39	3.06	4.58	1.70	4.72	3.752	
TOTALS ..	44.85	32.05	26.89	50.26	34.59	32.13	43.62	42.37	34.56	39.97	38.129	

1900 Shotts Church 4 miles S

Trees 30 ft high 60 ft N

1903 Caldercraigs Church 1/2 mile W

" Station 1/2 " W

1909 Corrected for wrong day.

H.W.R.

RAINFALL at Airdrie, Hillend ReservoirCounty of Lanark Observer Mrs. W. A. Ritchie.River Basin Glyde. Right bank tribs. 4.Snowdon Rain Gauge, by _____

Diameter ...	6						5				
Height	4 6			3.6							
Altitude ...	620 ^{ft}										
Year ...	1910	1911	1912	1913	1914	1915	1916	1917	1918	1919	MEANS.
January ...	3.95	2.62	1.82	3.19	3.34	2.67	4.62	2.19	4.18	3.45	3203
February ...	3.54	5.31	2.24	2.08	3.23	3.60	4.75	1.11	4.66	1.09	3161
March	1.92	1.45	4.44	3.85	4.11	1.92	2.22	1.98	1.33	1.99	2521
April	3.64	2.26	1.10	3.02	2.26	2.13	3.96	1.34	.61	2.16	2248
May	1.74	1.80	1.58	2.67	2.91	1.76	5.31	2.44	2.33	.85	2339
June	1.26	1.50	5.10	2.75	.87	2.53	3.45	2.88	.92	2.82	2408
July	4.03	2.99	2.26	.87	2.86	4.06	3.89	3.10	2.64	1.36	2806
August	6.00	2.53	4.56	1.86	3.59	3.56	4.31	5.07	3.30	2.67	3745
September ..	1.19	2.02	2.53	2.19	1.57	1.83	1.50	2.54	5.39	3.94	2470
October ...	1.86	3.48	3.69	2.26	2.06	2.38	6.18	4.89	4.82	1.24	3316
November ..	2.78	5.56	3.60	5.31	4.72	1.54	3.86	6.87	3.11	4.66	4201
December ...	2.98	4.02	5.29	3.47	5.75	5.64	4.52	2.87	4.06	5.08	4368
TOTALS ...	34.89	35.54	38.21	33.52	37.27	33.62	48.87	37.28	37.35	31.31	36786

1913 Jan 1st moved 5 feet S
 New 30" high 8" wide N

Date.	Lat. N.	Long.	Railway Station.	Distance.	Direction.	Church.	Distance.	Direction.
1911			Calderonix	1 mile	W.	Calderonix	1 mile	W.

Calderside
RAINFALL at ~~Widley~~ (Hilland Reservoir)

County of *Lancs.*Observer *Mr. W. F. Ritchie*River Basin *4 Clyde, R. & C.**Mr. Boyd Drummond*
Res. Keeper for L.M.S.R.*Shawdon* Rain Gauge, by

Diameter ...	5											
Height	3.6											
Altitude ...	62.0											
Year	1920	1921	1922	1923	1924	1925	1926	1927	1928	1929	1930 MEANS.	
January ...	4.43	6.55	3.40	4.00	3.27	3.61	4.59	5.25		(1.00)	5.19	
February ...	4.62	6.5	2.54	3.83	7.4	3.29	4.33	2.39		(1.50)	4.1	
March	3.57	4.94	2.71	1.43	8.4	2.21	2.77	3.04		.61	1.81	
April	2.07	1.43	1.82	3.13	2.37	4.56	2.18	2.48		1.95	1.12	
May	4.20	2.17	3.93	2.34	5.28	5.46	3.53	1.81		2.92	2.03	
June	1.22	.64	2.33	1.35	2.30	.78	3.15	3.71		2.58	2.66	
July	4.25	3.22	3.88	5.54	4.15	1.85	4.52	3.49		2.34	3.35	
August	5.76	7.11	2.79	7.11	4.09	3.96	3.16	7.45		6.81	4.82	
September...	2.35	2.29	2.61	5.48	4.01	3.99	4.53	7.76		1.72	4.02	
October	1.41	5.02	2.17	5.70	3.85	3.06	5.03	4.66		(4.30)	5.90	
November...	3.45	2.03	2.05	4.10	2.49	.98	5.96	3.83		5.70	5.05	
December...	3.02	6.44	3.67	3.20	5.22	2.70	1.73	.91		7.61	3.09	
TOTALS...	40.29	42.49	33.90	47.21	38.61	36.45	45.48	46.78	N.R.	(38.04)	39.45	

1920. Feb. 30 ff. 2026. N.

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
1920.			<i>Calderside</i>	1 m.	W.	<i>Calderside</i>	1 m.	W.

RAINFALL at Calderonix (Hillend Calderonix)County of Lanark.Observer Doyle Drummond.River Basin H- Clyde Right Bank.

Type of Gauge.....

Annual Average 37.3 in. based on 35 years obs. un-weighted. Period of average 1891-1925 Ref. 5

Av. W.S.

Diameter	5"										
Height	3' 6"							3' 0"			
Altitude	620'										
Year	1931	1932	1933	1934	1935	1936	1937	1938	1939	1940	Means
January	2.96	8.12	3.98	3.90	1.25	4.68	3.29	6.40	3.96	(1.65)	
February	3.85	.02	2.62	.23	3.78	2.98	5.31	1.16	4.54	(1.42)	
March	1.11	2.66	2.79	2.78	2.28	3.71	.83	2.83	2.85	2.94	
April	2.83	2.91	1.84	3.39	3.20	1.36	2.08	.45	1.40	2.66	
May	3.87	2.41	2.61	2.67	.24	.92	1.78	3.95	1.27	1.81	
June	6.07	1.04	1.85	2.73	3.67	1.69	3.62	4.50	2.21	.79	
July	3.97	4.03	3.95	2.64	2.45	5.77	3.40	4.57	5.75	3.68	
August	3.14	1.17	2.70	4.52	2.24	6.37	5.03	1.97	1.02	1.40	
September	1.21	5.84	1.29	3.53	4.47	2.58	2.83	4.73	2.64	3.07	
October	3.50	5.75	3.24	6.10	8.68	4.30	3.83	9.50	1.93	2.24	
November	6.50	3.01	1.76	1.16	4.44	3.85	.51	9.36	6.48	3.84	
December	3.67	7.82	1.25	4.53	2.68	4.59	.95	2.41	1.71	1.81	
TOTALS	42.68	44.78	29.88	38.18	39.38	42.80	33.46	51.83	35.76	27.31	
	D.	D.	.72	d.	d.	d.	d.	d.	d.	np.	

1940. np. low.

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

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

RAINFALL at Caldercruix (Hillend Reservoir)Station No. 5185

41

County of Lanark Observer Boyd DrummondRiver Basin 4- Clyde - Right Bank S. In & B. Co. (1944)Type of Gauge British Railways (1948)Annual Average 37.2 in. based on 35 years obs. un-weighted. Period of average 1881 - 1915 Ref. S.

File No.

Diameter	5"											
Height	3'6"					1'0"						
Altitude	620'					621'						
Year	1941	1942	1943	1944	1945	1946	1947	1948	1949	1950	Means	
January	(1.00)	4.74	4.60	4.42	1.31	1.02	3.63	6.88	(4.00)	2.37		33.97
February	(3.00)	1.90	3.28	.93	2.37	.86	(1.50)	5.55	(4.94)	2.98		27.31
March	(3.00)	1.50	1.93	.25	1.08	1.07	2.72	2.76	1.61	3.04		18.96
April	(1.50)	2.07	2.16	2.30	1.10	.32	4.46	3.53	3.47	1.86		22.77
May	5.16	2.38	4.33	2.75	2.22	.71	3.85	2.73	1.62	1.10		26.85
June	.83	1.58	5.73	3.21	1.77	1.04	3.30	6.40	1.05	1.92		26.83
July	3.74	2.11	3.09	2.04	1.65	(1.94)	2.74	3.12	2.17	4.24		26.84
August	5.37	3.47	5.60	2.99	.94	3.76	.20	7.63	3.98	3.84		37.78
September	.67	4.96	2.82	3.86	1.80	7.68	3.98	6.21	1.76	7.76		41.50
October	4.12	6.05	6.65	3.31	1.58	.63	1.47	5.77	5.39	1.78		36.75
November	2.88	.97	2.45	4.60	.24	6.17	(4.77)	3.04	3.60	2.24		30.96
December	1.50	3.41	2.66	2.09	.96	3.17	3.08	4.33	7.21	1.91		30.32
TOTALS	(32.77)	35.14	45.30	32.75	17.02	28.37	(35.70)	57.95	40.80	35.04		360.84
	1406.4	1406.4	1406.4	1406.4	1406.4	1406.4	1406.4	1406.4	1406.4	1406.4		1406.4

1941 np too much estimation.

1942 np too much estimation

1943 n.p. low

1945 n.p. low. July 1946 - Gauge leaking site oversheltered.

28.7.46 Gauge moved to new site 18' W. Stable 16'6" high 42' S. Hanhouse 6' high 27' S.E. July part est. due to changeover. 1946 n.p. low until July.

1947 Feb. corrected for snow. Nov adj. a pt. est. M.O. 3 (b)

1948 n.p. low. To be corrected if possible.

1949 Jan & Feb not est. M.O. 24. Gauge broken Pan repaired.

1950. Gauge leaking repaired on 18/8/50. Pan found broken & repaired 23/10/50.

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
1946.			Caldercruix	706 yds	W	Caldercruix	950 yds	W.

-656615
Station No. 5185RAINFALL at Galderuiz (Hildend Res)

51

County of Janak Observer British RailwayRiver Basin 4-elyde Right Bank Tiers

Type of Gauge.....

Annual Average 37.3 in. based on 35 years obs. un-weighted. Period of average 1881-1915 Ref. S. AWS.

File No.....

Diameter ...	5'										
Height ...	1'0"										
Altitude ...	621'										
Year ...	1951	1952	1953	1954	1955	1956	1957	1958	1959	1960	Means
January ...	(4.73)										
February ...	2.49										
March ...	-100										
April ...											
May ...											
June ...											
July ...											
August ...											
September ...											
October ...											
November ...											
December ...	-100										
TOTALS ...	100 1NE NP	N.R.									

1951 NP incomplete

40009

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

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

Summary of Earlier Records from 10-year Sheets :

QR.

Record D, or d	1910-19	1920-30	1931-40	1941-50	1951-60
	✓	✓ but N.R. 28	✓ but NP 40	✓ np. 41-42, 44-46, 48, 50	
	✓	D ✓	D 314828 33-40	but 43, 49	