

RAINFALL AT Coulter Waterhead

Lat.

Lon.

County of

Lanark

Rain Gauge, by

Observer

W. Ross Eng. CE.

Clyde - R. bank - 4.

Diameter ...											MEANS.
Height											
Altitude ...											
Year ..	1900	1901	1902	1903	1904	1905	1906	1907	1908	1909	
January ...				6.33	4.46	2.54	6.52	1.23	3.50	3.03	
February ...				8.64	3.26	2.73	2.85	2.52	3.75	1.79	
March				10.65	3.44	7.56	2.84	3.40	6.45	5.13	
April				1.22	5.18	4.07	2.33	2.60	2.20	4.50	
May				3.38	3.79	2.12	7.16	4.40	3.00	3.05	
June				1.81	3.34	1.64	2.54	4.56	2.76	4.21	
July				4.10	4.15	3.31	3.13	4.52	2.89	4.05	
August				6.56	4.71	4.44	8.89	5.60	3.31	4.50	
September ..				3.25	2.90	2.99	.88	1.06	6.88	3.72	
October ...				10.98	2.68	3.71	7.22	10.35	1.42	9.68	
November ..				4.10	2.35	5.24	4.39	4.28	3.48	2.72	
December ...				4.65	3.95	3.95	2.84	4.66	3.25	4.97	
TOTALS ...				65.67	44.21	44.30	51.59	49.18	42.89	51.35	

The average of two gauges.

Back year 1903-1910 received and entered Dec. 1911.

RAINFALL at Coulter Reservoir No. 1.

County of Lanark Observer W. Ross Esq. B.B.

River Basin Clyde-right bank trib. 4.

Rain Gauge, by _____

Diameter ...											
Height	1 0										
Altitude ...											
Year ...	1910	1911	1912	1913	1914	1915	1916	1917	1918	1919	MEANS.
January ...	2.40	5.56	6.19	3.41	3.40	7.49	2.00	4.32	4.78		
February ...	4.07	4.38	3.21	9.60	9.29	5.26	1.32	6.48	1.11		
March	2.17	5.37	5.70	7.10	2.27	2.60	1.90	2.07	4.85		
April	6.19	3.30	6.95	2.78	2.92	4.10	1.85	.94	3.71		
May	3.97	1.60	4.20	2.68	2.10	4.95	2.80	3.10	1.89		
June	3.11	6.07	3.70	1.25	1.20	5.50	4.16	1.90	3.12		
July	2.00	3.42	1.05	3.00	6.05	5.50	1.90	3.32	.68		
August	1.94	4.35	2.55	4.40	2.78	4.50	6.61	2.59	4.61		
September ..	2.82	2.32	2.74	2.18	1.69	2.95	4.21	7.47	4.60		
October ...	4.15	4.69	3.59	2.37	2.60	7.31	7.11	7.30	2.90		
November ..	6.43	4.20	4.99	5.67	2.50	6.81	4.70	6.91	3.69		
December ...	10.59	8.40	3.07	12.00	7.80	5.20	2.70	6.60	7.81		
TOTALS ...	49.84	50.66	47.94	56.50	44.60	62.17	41.26	53.00	43.25		

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

RAINFALL at Coulter Reservoir No. 2.

County of Lanark Observer W. Ross Esq. B.B.

River Basin Clyde- Right bank tributary.

Rain Gauge, by

Diameter ...		11									
Height		1 0									
Altitude ...											
Year ...	1910	1911	1912	1913	1914	1915	1916	1917	1918	1919	MEANS.
January ...	2.90	5.79	6.61	3.41	3.81	7.85	2.32	4.01	4.92		
February ...	4.80	4.30	3.21	9.29	9.28	5.49	2.32	6.00	1.51		
March	3.10	5.86	6.55	7.27	2.61	2.89	3.00	2.12	2.71		
April	6.38	4.42	6.65	3.11	2.92	4.25	3.31	.99	5.82		
May	4.10	1.51	4.20	2.95	2.10	4.85	2.95	2.91	1.63		
June	3.40	6.36	3.80	1.53	1.00	5.50	4.10	2.01	2.90		
July	2.11	3.40	1.25	2.69	6.00	5.66	1.82	3.42	.69		
August	1.90	4.70	2.60	4.21	2.70	4.51	6.22	2.60	4.15		
September ..	3.02	2.42	2.81	2.17	1.91	3.00	3.94	4.52	4.03		
October ...	4.77	4.86	3.60	2.51	2.35	7.61	6.69	6.59	2.89		
November ...	7.11	4.20	5.65	6.23	2.69	6.53	6.21	5.71	4.31		
December ...	10.90	8.85	3.55	11.00	7.69	5.31	3.20	5.55	7.65		
TOTALS ...	54.49	52.67	50.38	56.37	45.06	63.45	45.08	49.43	43.01		

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

RAINFALL at Coulter Waterhead.

County of Lanark Observer W. Ross Esq. C.B.

River Basin Clyde - right bank tributary.

Rain Gauge, by _____

Diameter ...	1910	1911	1912	1913	1914	1915	1916	1917	1918	1919	MEANS.
Height											
Altitude ...											
Year ...	1910	1911	1912	1913	1914	1915	1916	1917	1918	1919	
January ...	3.03	2.65									
February ...	8.18	4.43									
March	6.13	2.64									
April	4.29	6.28									
May	2.03	4.03									
June	1.67	3.25									
July	6.02	2.05									
August	7.20	1.92									
September ..	1.26	2.92									
October ...	3.03	4.46									
November ..	3.93										
December ...	5.44										
TOTALS ...	52.21										

Average of two gauges.

Back years 1903-1910 received and entered Dec. 1911.

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

RAINFALL at ~~Coulter Reservoir~~ No. 1.

County of Lanark. Observer W. Ross, Esq., C.B.E.

River Basin of Clyde, Robert. (1927) Lewis Gordley Esq., C.B.E.

(1926) Howard Rain Gauge, by Burns Surveyor Motherwell.

Diameter ...	11					11"					
Height	1.0					1'					
Altitude ...				1175	1250'						
Year	1920	1921	1922	1923	1924	1925	1926	1927	1928	1929	1920- MEAN.
January ...	7.82	8.10	5.30	3.50	5.11	5.33	9.53	6.70	10.90	1.90	9.61
February ...	4.80	1.32	6.02	8.60	.92	5.11	5.81	4.20	4.70	1.80	.87
March <i>1926</i>	7.92	8.91	3.00	3.00	.93	1.53	(2.90)	4.60	7.60	.60	2.63
April	2.40	1.69	3.51	4.51	3.73	6.71	3.51	3.20	1.80	2.20	2.91
May	6.10	2.98	3.83	3.52	4.31	7.31	4.41	2.30	2.10	5.10	1.97
June	1.84	.79	2.69	1.94	2.30	.49	4.91	4.80	5.20	3.20	3.18
July	5.07	5.32	5.51	4.89	4.43	2.33	3.42	4.90	4.30	3.50	3.61
August	6.37	7.48	4.50	9.51	5.42	4.50	4.20	7.10	8.50	7.00	9.57
September...	3.99	2.43	2.81	6.12	5.92	4.02	4.15	7.70	3.70	.90	3.97
October.....	3.31	4.10	2.78	6.83	4.31	6.41	4.92	6.60	8.20	7.10	9.32
November...	3.88	2.39	3.53	3.92	3.10	2.00	7.51	5.40	5.90	7.70	6.28
December...	5.91	5.00	6.90	4.50	9.63	5.31	1.12	1.60	4.50	13.70	7.23
TOTALS...	60.4	50.51	50.08	60.84	50.11	51.05	(56.39)	59.10	67.50	56.70	61.17

1926 March corrected by surrounding stations.

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	Parish Church.	Distance from gauge
1925	55° 32' 30" N	3° 31' E	Coulter	6 m	N	Coulter	6 m

RAINFALL at Coulter Reservoir. No. 2.

County of Lanark. Observer W. Ross, Esq., C.E.

River Basin R. Clyde. Right bank trib.

(1926) Howard Rain Gauge, by _____

Diameter ...	11					11"				
Height	1.0					1'				
Altitude ...	=	1175	1175			1250				
Year	1920	1921	1922	1923	1924	1925	1926	1927	1928	MEANS.
January ...	7.60	7.80	6.52	(3.50)	6.30	5.10	8.43			
February ...	5.00	1.28	6.92	8.60	.93	5.33	5.12			
March	7.28	7.92	2.91	3.00	1.12	2.83	(2.92)			
April	3.20	1.90	3.31	4.51	3.71	6.32	3.31			
May	5.60	2.90	3.43	3.81	4.31	6.91	4.31			
June	1.70	.90	2.78	1.72	2.40	.52	4.40			
July	4.91	4.91	5.22	4.91	4.63	2.20	3.12			
August	5.91	7.41	4.58	(9.51)	5.20	4.71	4.10			
September...	2.69	2.43	2.55	2.31	5.34	4.50				
October.....	2.81	3.68	2.84	5.93	4.32	6.44				
November...	2.42	2.74	3.92	3.71	3.00	2.00				
December...	4.91	6.11	6.88	4.73	8.63	5.82				
TOTALS...	56.13	49.48	57.86	(59.24)	49.89	52.68	imp.			
	M		M							

1923. Jan - April & August, gauge out of order, and estimated. N.P.
 1926. March corrected by 1mm. 26.23.

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
1925	55° 32'	3° 31'	Coulter	6 m	N.	Coulter	6 m.	N.

RAINFALL at Coulter Reservoir. No. 1

County of Lanark. Observer L. Bootley, C.E.

River Basin. N. Clyde - Right Bank.

Type of Gauge. 14.00 in. Hg.

Annual Average 149.0 in. based on 22 years obs. up-weighted. Period of average 1881-1915 Ref. S
Computed x 137

Diameter	11"										
Height	1' 0"										
Altitude	1260'										
Year	1931	1932	1933	1934	1935	1936	1937	1938	1939	1940	Means
January	4.38	11.67	7.64	9.15	2.64	6.71	10.59	7.96			
February	4.12	3.25	4.58	1.18	5.31	3.34	6.47	3.49			
March	1.24	3.35	(2.62)	3.34	2.46	3.16	2.46	3.70			
April	3.04	3.10	2.04	5.21	4.31	1.29	2.83	.85			
May	2.84	3.54	3.00	4.86	.95	.78	2.10	4.86			
June	6.73	1.05	1.89	2.49	5.20	4.33	3.33	6.80			
July	5.22	7.51	(4.03)	2.74	1.82	5.12	5.73	6.66			
August	3.85	2.56	3.18	6.94	2.48	2.62	2.92	2.45			
September	1.21	4.21	1.96	6.79	4.52	3.66	4.15	3.99			
October	4.64	8.17	4.38	7.46	7.56	4.52	5.44	8.30			
November	11.17	3.46	2.68	2.43	5.47	4.63	1.04	11.72			
December	4.21	12.53	.98	8.94	3.28	8.54	2.96	6.00	#		
TOTALS	52.65	61.52	(38.98)	60.53	46.00	48.70	50.02	65.78			
	M.	M.									

1933 March - fully amended by surrounding trees. Since last reported August.

Inspected 8/11/37. Site anorthodox at the top of a 30° bank on S. side of reservoir. Hilly country causing many wind eddies.

Suggested another gauge should be erected on lower ground.

Record discontinued 12/36

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.			Coulter	6m	N.	Coulter	6m	N.

RAINFALL at COULTER RESERVOIR (new g.)

County of LANARK

Observer

L. Costley, C.E.

River Basin. 4 - Clyde - Right Bank

Type of Gauge M.O.

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

Diameter	5"										
Height	1'										
Altitude	1250'										
Year	1931	1932	1933	1934	1935	1936	1937	1938	1939	1940	Means
January									5.21	1.13	
February								# 6.85	4.94		
March								(3.70) 5.15	6.70		
April								.85 2.10	3.65		
May								4.10 .80	1.25		
June								6.95 3.30	1.05		
July								6.35 4.85	6.10		
August								3.32 1.85	1.75		
September								3.90 2.90	5.35		
October								7.25 3.00	4.90		
November								10.70 8.75	6.75		
December								4.20 2.25	4.50		
TOTALS								avg 47.01	47.97		

The new gauge is fixed at same ht. as old & immediately adjacent to it.

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
1938			Coulters	6m	N.	Coulters	6m	N.

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

71-651763

Station No.

5164/1

RAINFALL at Coulter Reservoir (new g.)

41

County of Lanark Observer to Cottley, C.E.

River Basin 4 - Clyde-Right Bank J. Bisset Scott Esq. (from 1948)

Type of Gauge (M)

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

File No.

Diameter	5"				1951	1953	*			5"	
Height	1'0"						1			1'0"	
Altitude	1250'						41			1157	
Year	1941	1942	1943	1944	1945	1946	1947	1948	1949	1950	Means
January	1.10	3.65	5.42	4.06	2.98	5.75	5.25	6.74	4.24	2.40	
February	6.25	1.97	4.70	1.24	4.95	2.79	(1.00)	3.87	4.62	5.30	
March	3.20	(2.40)	1.25	0.52	2.60	2.65	(3.45)	3.65	1.82	5.08	
April	2.80	3.45	2.60	2.18	1.89	.62	7.69	3.28	3.64	3.04	
May	4.35	4.38	3.93	2.97	5.68	1.00	3.10	2.19	2.49	1.89	
June	1.25	1.40	4.15	3.61	4.05	2.50	2.60	5.93	1.32	3.31	
July	3.45	3.35	2.15	2.85	4.30	4.86	2.90	3.26	1.84	3.68	
August	5.65	6.05	5.02	3.31	1.95	6.23	0.00	6.55	3.72	4.12	
September	2.45	5.55	4.85	4.82	6.35	6.75	4.00	5.16	2.27	9.05	
October	3.60	4.75	8.63	4.18	4.95	.55	1.60	3.72	7.06	3.84	
November	5.90	1.30	2.66	6.59	.48	6.70	7.03	3.15	4.99	4.75	
December	2.45	9.20	2.87	3.81	4.23	4.50	2.60	6.61	6.92	1.61	
TOTALS	42.95	47.45	48.23	40.14	44.41	44.90	41.22	54.11	44.93	48.04	
	w.	w.	w.	m.p.	w.	w.	n.p.	ap.	up.	w.	

1942 Mean unreduced to agree with nearby stns.

1944 n.p. low. Gauge is sound & site unchanged - on inspection list 8/45

1947 Feb. est. Mean adj. for snow by M.O.S. N.P. Low

1948 n.p. low. 1949 n.p. low. Inspection asked for.

* gauge moved on 1/1/50, 483 yds to the N.W. Feb amended for snow loss.

1000 ft

3000 ft

Position of Station on reduced Ordnance Survey Map, } No. of Map Reference No. Moved .
1 mile to 1 inch Series

Date.	Lat. N.	Long.	Railway Station.	Distance from gauge	Direction	Parish Church.	Distance from gauge
1941			Coulter	6 ml	N	Coulter	6 ml
1950			Boulders	6 ml.	N.		6 ml

RAINFALL at *Boulder Reservoir*

County of... Lanark

Observer J. Binett Scott, Esq., C.E.

River Basin. 4-Blyde - Right Bank Isles

Type of Gauge..... M-O. 2133/7

Annual Average in. based on years obs. un-weighted. Period of average Ref.
 " " 53.28 21 Within 1916-50 " " "S.
 2 in caps mean 53.004 formerly 53.00
 File No.

Diameter	5"			651	763	*				
Height	1' 0"				1					
Altitude	1157'				51					
Year	1951	1952	1953	1954	1955	1956	1957	1958	1959	Means
January	4.09	3.94	1.71	4.00	2.86	2.40	6.45	3.55	1.71	2.95
February	3.28	2.02	1.52	2.25	1.90	1.75	4.45	2.75	1.35	3.00
March	3.01	2.58	0.75	2.55	1.25	2.05	3.55	1.40	2.35	2.60
April	3.42	2.23	3.14	1.60	1.50	.95	2.10	2.20	3.65	3.20
May	2.03	2.12	2.40	4.80	3.10	2.08	2.30	2.85	2.25	2.10
June	1.68	2.55	2.12	3.35	2.10	3.20	1.80	2.69	3.00	1.70
July	3.52	3.39	6.20	3.95	3.61	3.75	4.45	6.40	4.00	3.80
August	6.81	3.57	3.00	4.20	2.10	7.30	4.10	3.80	0.92	4.18
September	3.49	2.55	4.55	7.00	3.85	4.30	2.75	4.10	1.25	2.38
October	0.78	3.18	3.75	10.15	3.55	3.50	3.37	2.80	4.60	2.48
November	6.81	3.67	6.30	7.25	1.75	1.25	2.70	1.55	7.45	5.85
December	5.35	3.33	4.30	6.00	4.50	4.28	3.95	3.92	5.58	4.57
TOTALS	44.27	35.13	39.74	57.10	32.06	36.88	40.97	37.99	39.11	38.81
	W	W	W	W.	W	W	W	Walters	np low	up low

1951 Stone Wall 3'; 10's.

Imp H. Johnson 16.10.52. George Sound. Site on red. damp very Eros., 20' wide with 2' wall at edge
North & N. side fully exposed. Crossed w. black for 80 m.

Received near 1000 ft. above sea level. Overexposed & likely to collect spruce

Because new one at S. end does well now at 1' Not ideal but the best available. Fairly well sheltered & likely to give reasonable results

1958 inflow.

1960 up low

Wood 11150

Position of Station on Ordnance One-Inch map:

No. of Map.....

National Grid Reference NT(36)036275

Date.	Lat. N.	Long.	Railway Station.	Distance from gauge	Direction	Parish Church.	Distance from gauge.	Direction
1951			Coulter	6 mi	N	Coulter	6 mi	N.

Summary of Earlier Records from 10-year Sheets:

Record D, or d		1910-19	1920-30	1931-40	1941-50	1951-60
	C 1711	✓	-	✓	✓ 20.44, 47-49	

Jan 15. 19.

11" mouth gape is always alongside 5" gape - leading w tip of broad
black strip and ends at 27"

biggest upper gape or large gap between under 6" gape and maxilla