

RAINFALL at Kilbirnie (Pundeavon Res.)

County of Ayr

Observer.....

River Basin Irvine & C. 3

Rain Gauge, by.....

Diameter	1900	1901	1902	1903	1904	1905	1906	1907	1908	1909	Mean
Height											
Altitude											
January								10.70	4.60	10.63	10.60
February								6.20	7.10	10.33	4.80
March								8.10	9.70	8.15	2.40
April								4.30	3.90	3.42	5.87
May								9.10	6.55	4.42	4.13
June								2.20	7.90	4.70	3.85
July						5.05	5.50	5.60	6.80	9.40	
August						6.95	7.90	11.50	6.60	6.34	
September						6.90	5.40	3.10	11.80	4.70	
October						8.50	10.50	9.20	2.36	11.60	
November						9.65	8.20	7.35	8.80	7.58	
December						9.05	10.65	11.20	7.80	9.10	
TOTALS								88.85	87.70	85.01	80.27

1905-1909 Rate in. - Values received from M.O. Edinburgh 29.11.34.

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

RAINFALL at Kilbirnie [Pundeavon Reservoir]

County of Ayr

Observer.

River Basin Irvine and C.-3

..... Rain Gauge, by.

Diameter											
Height											
Altitude											
Year	1910	1911	1912	1913	1914	1915	1916	1917	1918	1919	1920
January	10.30	8.30	6.24	5.20	7.80	9.44	11.14	6.54	9.25	7.31	33.24
February	10.50	14.52	6.20	6.50	7.16	7.68	8.32	1.90	10.67	1.70	22.59
March	3.70	3.45	10.58	9.47	7.45	6.55	1.87	4.43	3.08	4.66	14.04
April	7.20	8.22	4.57	6.21	6.35	6.53	8.57	4.42	1.25	6.80	20.04
May	4.90	3.90	2.78	6.20	6.10	1.30	7.64	5.32	3.33	1.66	17.95
June	3.30	4.71	8.46	6.90	3.36	3.12	3.43	5.02	4.25	7.75	20.45
July	5.31	6.20	4.29	2.73	3.70	7.42	5.10	3.02	5.40	2.60	16.12
August	14.65	6.40	6.67	2.90	7.62	4.19	6.68	7.19	6.14	7.40	27.41
September	3.90	4.52	4.38	3.65	6.43	3.27	4.44	7.10	9.00	7.60	28.14
October	5.50	7.37	9.90	4.73	4.18	4.13	11.20	12.34	11.56	2.23	37.33
November	5.30	10.21	10.60	11.56	9.23	4.42	9.45	13.02	9.35	7.16	38.98
December	10.30	13.23	14.53	11.40	9.19	8.51	8.78	6.73	9.24	14.45	39.20
TOTALS	84.86	91.03	88.20	76.45	77.57	67.06	86.62	76.03	82.52	70.32	315.49

1910-19 late sub. (~~late~~) values received from M.O. Edinburgh 14/12/33

N.B. Annual average rejected from Survey as 10" too High.

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

RAINFALL at Kilbirnie, Penderston Reservoir.

County of Ayrshire. Observer H. Macgregor Esq.
 River Basin ~~Kilbirnie~~ ^{1. Croyde 2. Croyde 3. Irvine} Rain Gauge by Wm Gray Esq. 45

Diameter	1920	1921	1922	1923	1924	1925	1926	1927	1928	1929	1930
January	10.27	12.40	6.77	12.90	9.20	8.51	10.22	12.28	12.75	9.57	11.33
February	12.90	4.10	8.51	6.13	4.20	6.48	8.58	8.78	8.02	3.78	4.40
March	8.34	13.70	3.60	3.70	1.26	4.70	9.17	7.32	6.55	2.66	5.10
April	3.90	3.16	4.56	4.80	3.55	5.20	3.64	8.45	2.85	2.22	2.08
May	10.35	4.87	7.42	4.65	5.82	11.32	4.18	5.17	3.32	6.25	4.32
June	4.40	2.90	5.02	4.60	5.50	1.60	4.68	8.34	8.88	6.68	4.56
July	7.67	8.26	5.42	9.23	6.66	3.17	6.13	5.47	5.86	9.32	4.90
August	10.45	10.80	6.30	11.53	7.19	7.70	5.53	7.28	7.00	10.44	9.24
September	5.70	4.50	7.35	13.80	8.12	6.13	5.78	10.30	6.22	3.68	5.66
October	3.10	8.50	4.83	11.55	6.30	8.90	5.78	11.17	14.28	13.10	16.48
November	9.20	6.12	9.60	9.60	8.60	2.28	7.25	8.00	14.90	12.65	9.43
December	7.80	15.58	8.00	10.02	9.88	6.13	6.08	1.25	8.50	16.91	8.26
TOTALS	94.08	94.80	77.38	102.51	76.28	72.12	77.02	93.81	99.13	89.86	80.76

JTB

Transferred from Ayr/1 to Ayr/3 on re-allocation
of watershed lines.

1920-28 Received from M.O. Edinburgh, entered 29/12/33

N.B. Annual average 1910-1928 rejected from Survey as 10° too High.

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	Direction
			Kilbirnie	2 miles	S.E.	Kilbirnie	2 miles	S.E.

RAINFALL at Kilbirnie (Pundavon Reservoir)County of AyrObserver W. Gray, Esq.River Basin Irvine &c,

Type of Gauge

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

Diameter	11"											
Height	1' 0"											
Altitude	898'											
Year	1931	1932	1933	1934	1935	1936	1937	1938	1939	1940	Means	
January	10.64	12.67	7.83	9.61	8.15	7.10	9.30	13.90	6.89	3.77	8986	
February	10.67	10.09	6.67	2.64	10.46	3.92	7.80	6.47	11.90	2.80	6342	
March	1.45	5.04	5.39	4.50	3.96	5.89	1.47	9.86	8.20	8.45	5421	
April	4.07	7.60	6.98	4.70	5.10	2.10	4.17	2.03	5.10	4.30	4615	
May	5.88	4.12	3.91	5.33	1.52	2.77	2.89	6.25	2.05	1.41	3613	
June	9.69	3.44	4.32	4.02	7.00	3.52	6.50	9.62	4.50	2.05	5466	
July	7.69	8.48	7.28	6.03	6.42	9.70	7.90	7.40	8.72	3.70	7332	
August	2.55	4.88	7.11	7.98	3.57	7.20	4.91	5.96	2.71	6.30	5317	
September	2.75	9.64	1.07	9.84	10.70	7.25	5.36	9.19	5.05	8.80	6965	
October	8.03	11.63	5.74	15.62	18.41	12.64	3.81	17.23	8.25	7.39	10385	
November	10.02	8.34	4.10	4.20	9.78	7.80	1.30	15.18	14.40	12.10	8722	
December	11.40	11.58	2.72	11.10	6.54	12.37	4.15	7.30	7.33	14.94	8943	
TOTALS	84.64	87.51	63.12	85.57	91.61	82.26	57.56	110.49	80.1076.01	82107	118	

1940 Jan. part. est.

N.B. Average 1910-1928 rejected from Survey as 10" too High.

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
1931.			Kilbirnie	2½m	S.E.	Kilbirnie	2½m

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

Station No.

5283

RAINFALL at Kilbirnie (Pundearon Res.)

41

County of Ayr
 River Basin 3 - Irvine & C.
 Type of Gauge.....

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

File No.

Diameter	11										
Height	1	0									
Altitude	898										
Year	1941	1942	1943	1944	1945	1946	1947	1948	1949	1950	Means
January	7.2	11.00	7.90	10.60							
February	4.90	2.95	12.55	4.62							
March	3.60	4.75	5.35	2.50							
April	3.85	3.35	9.25	4.90							
May	4.87	4.10	4.62	6.70							
June	2.80	3.80	7.60	7.30							
July	5.69	8.02	5.41	5.76							
August	8.35	11.60	10.45	5.90							
September	3.35	11.47	6.70	9.49							
October	8.60	14.80	15.40	10.00							
November	6.85	2.49	6.50	11.00							
December	7.30	12.98	5.30	8.05							
TOTALS	59.88	91.31	97.09	86.82							
	M.	M.	M.	M.							

1941 who objects near to gauge.

1942 New g. set up on better site Jan 1st Sta. No. 5253/ Av. 82.6 computed for Survey 10/43, on years 1931-42,
10" too big.
1944 n/p check.

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
1941			Kilbirnie	2½ ml	SE.	Kilbirnie	2½ ml	SE.

72-647742

Station No. 5253/1

RAINFALL at Kilbionic (Pundeavon Reservoir) ^{height 1100 ft}

41

County of Ayr

Observer W. Gray Esq.

River Basin Ayr 3 - Irvine & C

T. W. Leslie Esq. (1948)

Type of Gauge Bradford

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

Ref.

OMIT

START WITH 1944 File No.

Diameter	5'	647	741							
Height	from 5253.	1' 0"		1						
Altitude	898 ft			41						
Year	1941	1942	1943	1944	1945	1946	1947	1948	1949	Means
January	7.2	11.00	7.90	9.70	4.35	10.15	9.05	9.70	12.95	9.65
February	4.90	2.95	12.55	4.45	11.85	8.20	(1.50)	8.35	9.40	9.52
March	3.60	4.75	5.35	2.38	6.70	4.25	4.70	8.20	5.65	5.31
April	3.85	3.35	9.25	5.13	3.45	4.80	9.10	6.65	12.88	6.74
May	4.87	4.10	4.62	6.68	5.65	1.55	6.10	2.95	4.30	2.00
June	2.80	3.80	7.60	7.47	5.90	5.55	6.55	8.60	1.05	4.45
July	5.69	8.02	5.41	6.00	5.15	7.10	5.75	6.35	3.35	8.70
August	8.35	11.60	10.45	6.23	3.95	4.65	0.01	10.01	8.50	9.35
September	3.35	11.47	6.70	9.45	8.36	14.30	8.60	12.35	4.20	17.60
October	8.60	14.80	15.40	10.20	10.50	.75	4.50	4.05	9.85	8.45
November	5.85	2.49	6.50	11.25	1.50	11.70	11.30	6.60	12.45	5.40
December	7.30	12.98	5.30	8.10	6.90	8.45	6.36	10.45	15.30	3.30
TOTALS	59.88	91.31	97.03	87.04	74.26	81.45	73.52	104.26	99.88	86.47
	M	M	M	M	M	M	M	M	M	M

44. Gauge set up 50' N. from old gauge 5253

20004

1947. Tel. estd. for snow.

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
1944			Kilbionic	2½ m	SE	Kilbionic	2½ m	SE

Station No. 53211

RAINFALL at

Kilbinnie (Pendearroch Reservoir) 1.151

County of Ayrshire

Observer J. W. Davies Esq.

River Basin River + C

Mr John Allen

Type of Gauge Broadford

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

File No.

Diameter ...	5"			64)	74)						
Height ...	1' 0"					1					
Altitude ...	898'					51					
Year ...	1951	1952	1953	1954	1955	1956	1957	1958	1959	1960	Means
January	9.95	8.75	3.35	(8.06)	3.75	5.70			-100	5.68	
February	4.30	4.40	3.80	(7.36)	3.20	3.10				7.03	
March	5.42	4.70	1.45	4.42	1.60	2.24				2.70	
April	5.30	2.70	2.85	2.75	6.07	1.10				8.60	
May	2.30	1.92	2.65	1.50	4.20	3.85				3.30	
June	3.30	3.78	2.20	3.10	3.60	2.20				4.85	
July	7.45	5.20	6.85	4.55	1.75	4.60			-100	7.20	
August	6.80	6.77	4.10	5.62	1.66	3.90			2.65	6.02	
September	7.60	4.75	7.50	7.05	6.30	3.70			2.05	5.30	
October	2.30	6.70	3.65	10.00	4.70	2.20			10.23	3.76	
November	9.85	3.60	8.40	6.75	2.60	2.15			8.54	10.00	
December	14.03	8.90	5.98	7.20	4.90	6.30			12.22	11.70	
TOTALS ...	78.60	62.17	52.78	(68.30)	43.223	41.04	*		-100 imp imp	76.14	
M	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.			n.p.	n.p.	

1952 n.p. low. 506 mm p 1.57 60004

1953. n.p. low

1954

1955

Record to be terminated at end of 1956 (f. E18096/56)

1960 Gauge moved from Brodick Res No 1. SN 5214/5.

1959 n.p. low

1961 Terminated w.e.f. 31/12/60.

Position of Station on Ordnance One-Inch map : No. of Map 59 National Grid Reference 26/294577

Date.	Lat. N.	Long.	Railway Station.	Distance from gauge	Parish Church.	Distance from gauge.
1951			Kilbinnie	2 1/2 mi S E	Kilbinnie	2 1/2 mi S E

Summary of Earlier Records from 10-year Sheets :

1916-1950, P - Rejected

Record D, or d		1910-19	1920-30	1931-40	1941-50	1951-60
		✓	✓	✓	* C 19+4	M

647742

Station No. 5253/2

RAINFALL at Kilbinnie (Braemar Reservoir?)

51

County of Ayrshire

Observer T. W. L. S. J.

River Basin 4 - Ayrshire Bradford

Water and Drainage
Explan

Type of Gauge Millimeter

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

X

File No.

Diameter			5"		647	742				
Height			"				1			
Altitude			'	904'			51			
Year	1951	1952	1953	1954	1955	1956	1957	1958	1959	1960
January				8.01	4.35	6.10	7.90	6.60	2.80	5.68
February				7.12	3.85	3.10	4.40	6.14	2.32	7.13
March				4.87	1.70	4.81	9.10	2.30	4.40	2.80
April				4.30	7.40	2.50	3.80	3.20	3.10	8.70
May				4.40	6.80	5.80	3.40	4.50	1.60	3.40
June				7.30	5.00	5.00	3.20	2.40	3.30	5.05
July				7.15	2.40	9.00	7.10	5.40	8.01	7.40
August				9.23	1.75	7.70	7.68	4.30	2.65	5.92
September				11.00	8.15	7.20	5.82	3.95	2.04	5.30
October				13.90	5.60	5.10	10.20	4.10	10.03	3.76
November				12.55	3.80	4.35	3.00	3.90	8.44	10.10
December				12.05	11.73	10.25	5.70	5.98	12.12	11.80
TOTALS				101.88	62.53	70.97	71.90	52.77	60.81	77.04
				M	M	M	M	M	M	M

1954 New gauge set up 405' S.W. of old gauge 1.1.54.

No records near.

1956 Oct 1957. Site good but on slight rise and may become dry. Home
10' N. Use 15" Bradford. Nov 1957 New Bradford set up at new site.1956 up to
1960 print

Position of Station on Ordnance One-Inch map : No. of Map..... National Grid Reference 26/295877

Date.	Lat. N.	Long.	Railway Station.	Distance from gauge	Parish Church.	Distance from gauge.
			Kilbinnie	2 1/2 m. SE	Kilbinnie	2 1/2 m. SE

Summary of Earlier Records from 10-year Sheets :

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