

RAINFALL at Duchray Valley, Achaidh Burn.County of Stirling Observer J. R. Sutherland, Esq., C.E.River Basin Forth - Rt Bank Tribs - 1.

Rain Gauge, by _____

Diameter ...						8					
Height						1 0					
Altitude ...						1200					
Year ...	1910	1911	1912	1913	1914	1915	1916	1917	1918	1919	MEANS.
January ...						8.05	17.20	4.20	9.20	9.65	Totals 16.19 38.23
February ...						14.25	8.30	1.55	18.30	1.55	29.70
March						6.00	1.70	3.85	4.00	4.75	14.30
April						7.10	6.50	2.35	2.00	5.95	10.80
May						1.80	7.55	6.15	4.50	2.60	20.80
June.....						2.10	3.45	6.10	3.80	5.40	18.75
July					#	6.70	4.05	2.15	6.75	5.95	15.70
August.....						8.40	4.05	6.20	3.30	4.20	33.45
September ..						4.60	3.20	3.05	7.00	8.90	28.05
October ...						4.05	9.45	14.00	14.70	13.70	44.70
November..						12.55	4.05	11.75	16.50	12.25	47.85
December...						(14.90)	10.65	11.60	4.65	11.00	42.75
TOTALS ...						77.70	95.35	82.50	101.60	91.65	351.10 42.66

inches D D

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

889369
5367
✓ 31

RAINFALL at Duckray Valley (Achaidh Burn)

County of Stirling

Observer G. Headleywood, C.E.

River Basin 1 - Forth - Right Bank.

J. Couture, D.S.

Type of Gauge.....

S. D. Cannon, Esq., C.E. (1946)

Annual Average 94.4 in. based on 18 years obs. un-weighted. Period of average 1881-1915 Ref. Survey
Completed xii/36

Diameter	8.									
Height	1.0.									
Altitude	1200									
Year	1931	1932	1933	1934	1935	1936	1937	1938	1939	1940
											Means
January	10.00	19.95	11.25	17.70	5.90	8.10	15.30	17.00	7.45	(2.50)
February	9.40	10	7.00	2.50	13.15	6.00	7.90	9.55	13.60	(4.00)
March	2.05	5.10	6.70	4.55	4.30	10.35	2.70	12.20	8.00	8.20
April	5.30	9.50	6.70	7.10	7.50	3.05	5.30	2.10	4.75	5.60
May	8.70	4.80	4.10	6.60	.90	3.90	3.20	6.30	2.75	1.90
June	10.60	4.10	3.80	3.15	9.00	3.70	5.80	11.60	4.90	1.50
July	6.90	7.95	7.40	5.05	3.65	10.70	8.60	7.50	10.60	5.15
August	3.30	5.40	9.00	8.35	4.90	6.00	6.50	4.30	4.65	5.20
September	3.25	5.50	2.05	15.40	13.00	8.55	6.90	11.20	4.95	7.20
October	8.85	11.75	7.50	16.95	19.30	11.25	5.90	18.50	7.80	15.20
November	14.80	10.10	6.05	3.40	8.50	6.45	2.00	20.10	(16.00)	13.55
December	12.60	18.65	2.80	18.95	7.10	15.20	5.10	10.45	(5.70)	11.80
TOTALS	98.75	102.90	74.35	109.70	97.20	93.25	75.20	130.80	(91.15)	(81.80)
											Totals 115.13

1940 Jan + Feb adj. for snow.

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

Station No. 5367

RAINFALL at Duthray Valley (Achaidh Burn)

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County of Stirling

Observer

J. Cochrane, Esq. C.E.

River Basin 1-Footh. Right Bank

9 A. B. Bell, Esq. (1943)

Type of Gauge

General Manager (1946)

S.D. Committee Esq. 1947

Annual Average 94.4 in. based on 18 years obs. w-weighted. Period of average 1883 - 1915 Ref. S

File No.

Diameter	8"			889	369							
Height	1' 0"					1						1-3"
Altitude	1200'					41						
Year	1941	1942	1943	1944	1945	1946	1947	1948	1949	1950	Means	
January	1.30	(8.00)	13.60	12.90	(4.55)	13.45	10.90	16.95	10.55	10.60		Total 15 102.20
February	10.70	(2.80)	12.50	3.75	(17.00)	7.00	(1.00)	11.35	10.35	9.50		85.95
March	3.70	5.70	5.50	1.70	7.55	5.10	(6.50)	10.50	4.55	8.10		58.90
April	4.95	8.40	9.30	4.40	4.40	2.80	15.75	6.40	10.30	6.10		72.80
May	3.80	5.20	6.10	6.55	7.85	2.90	6.85	4.20	4.60	3.30		51.35
June	1.80	3.45	8.20	(8.00)	9.60	8.25	7.50	8.25	2.60	3.10		60.75
July	4.20	9.00	5.00	(6.80)	7.15	7.90	7.85	8.55	4.30	12.70		73.45
August	8.80	14.00	14.00	5.90	3.35	6.70	0.00	14.70	7.80	10.70		85.95
September	4.40	14.20	8.80	9.45	11.30	13.30	10.85	15.40	4.30	21.70		113.70
October	9.70	12.80	22.10	9.65	12.35	0.90	5.90	14.90	15.30	12.60		116.20
November	12.40	3.00	5.30	12.50	1.75	13.80	13.70	7.15	11.00	4.50		88.10
December	7.10	10.20	7.40	9.00	10.30	9.85	4.15	17.25	20.80	(4.14)		100.19
TOTALS	72.85	(96.75)	M	117.80	90.60	97.15	91.95	90.95	135.60	106.45	109.44	1009.54

Jan + Feb extra from map. 1944. June + July approximated.

00014

1945 Jan to Feb. after 6000 ft

0140 ft 60000

30000

1947 Feb a few app. few more
1948 Sept & Oct. app. Engineer asked for report on gauge in view of increased catch. Engineer says this is wrong with gauge.
1949. See forward 3192 for light Ind. S. Commis a Belvoir 2077 ft high 1 N. W. N.

950 Dec. 1st. by Eng. Agreed by M.O. Eng.

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
1949.			Aberfoyle	12 miles	ESE.	Aberfoyle.	12 miles ESE.

Station No. 5367

RAINFALL at Duchray Valley (Achaidh Burn)

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County of Stirling Observer S. D. Garvin Esq.

River Basin Firth - Right-Bank - 1

Type of Gauge.

Annual Average 94.45 in. based on 18 years obs. un-weighted. Period of average 1881-1915 Ref. S
 99.73 - - 35 - 1916-1950 File No. P

Diameter	8"			8"		889	369			
Height	1' 3"			1' 0"			1			
Altitude	1200'	X		1200'			51			?
Year	1951	1952	1953	1954	1955	1956	1957	1958	1959	Means
January	11.35	8.60	6.50	(9.86)	5.60	(5.83)	15.20	12.80	3.80	6.60
February	6.90	4.40	6.00	(6.41)	(4.40)	2.40	6.10	4.25	5.10	10.40
March	2.60	9.50	3.10	(5.93)	(2.00)	4.90	10.50	3.60	4.70	4.65
April	6.00	6.30	6.00	5.20	5.25	(2.00)	4.20	4.20	(7.00)	11.80
May	2.00	3.69	7.10	5.20	5.90	6.10	5.10	6.10	1.80	6.35
June	5.40	7.61	2.40	6.00	5.00	6.70	3.20	4.10	4.70	4.80
July	7.50	5.70	11.00	4.90	(1.00)	9.20	7.10	6.80	9.30	8.50
August	11.50	9.10	(7.50)	7.90	(1.90)	10.00	7.50	10.25	4.60	6.25
September	7.50	(6.67)	11.75	13.10	7.00	11.10	6.20	7.90	3.10	4.50
October	3.70	10.70	8.90	11.90	7.20	6.10	10.10	9.70	10.90	7.50
November	14.60	5.00	16.90	16.10	5.15	6.10	3.10	3.20	10.50	12.40
December	14.80	7.00	11.00	17.20	16.10	(4.80)	11.90	12.10	17.10	10.20
TOTALS	93.85	84.27	98.15	112.70	66.50	84.95	90.20	85.00	85.60	93.95
	M	M	M	M	M	M	M	M	M	M

1951 Ben Lomond 3192', Ind S. Achaidh Cuanan a Bheinn 2077'; on edge of N.W.

1953 Aug est. gauge damaged.
9.11.53 Inspected by R. Cranna: Gauge good except for slight dent in rim.

04004

00104 00204 70004 30604 44004

Position of Station on Ordnance One-Inch map : No. of Map National Grid Reference ZY/369043

Date.	Lat. N.	Long.	Railway Station.	Distance from gauge	Direction	Parish Church.	Distance from gauge
1951			Aberfoyle	12 mi	E.S.E	Aberfoyle	12 mi E.S.E

Summary of Earlier Records from 10-year Sheets :

1916-1950, P (Thub) accepted

Record D, or d		1910-19	1920-30	1931-40	1941-50	1951-60
		C imp. 1914 ✓ ✓ 14.13	✓ W	✓ —	✓ M	