

RAINFALL AT

Buchanan

Bmagher Co. Tyrone

Colerfield

Rain (By Gauge) 5.69
 Diameter 8.69 in. Height above Ground, 1 ft. 9 in. Above Mean Sea Level, 275 ft.

Foyle - 3.

YEAR	1865	1866	1867	1868	1869	MEANS.
January	5.26	5.06	3.95	4.01	2.55	
February	3.31	3.18	2.61	1.99	3.64	
March	2.57	2.66	1.56	4.47	2.01	
April	1.14	1.26	3.58	1.70	2.47	
May	3.20	1.32	2.61	1.82	2.08	
June	4.0	2.49	1.70	1.28	1.29	
July	2.89	2.45	6.47	.77	2.09	
August	4.74	4.41	3.98	4.05	1.20	
September82	3.85	2.72	1.33	4.45	
October	4.70	2.86	6.70	3.32	1.78	
November ...	3.88	4.59	1.62	3.48	4.28	
December.....	2.74	3.93	1.96	4.36	5.41	
TOTALS.....	35.65	38.06	39.46	32.58	33.25	

On the edge of a level terrace fifty feet from the nearest point of the house, which lies to its ENE from which point rain seldom (if ever) falls here

1867 - 39.46 is correct

& given elsewhere as 39.38 year = 39.26 but sent as 39.56

∴ charts 1868 & 69 must be too small
 & suggest 36.40 + 36.80 in respectively

73. 28/2/33

RAINFALL AT Gough Edenfield

Lat.....

Lon.....

County of Tyrone

Rain Gauge, by.....

Observer Capt. Buchanan No 1

Year - 3.

Diameter8										
Height	1										
Altitude	290	280	275							300	
YEAR	1870	1871	1872	1873	1874	1875	1876	1877	1878	1879	MEANS.
January.....	2.87	4.11	5.65	4.69	2.07	4.02	1.44	6.79	4.22	1.87	3.773
February.....	2.61	2.42	3.65	1.77	1.32	1.28	4.08	3.40	1.49	1.82	2.284
March.....	1.89	2.04	2.00	2.01	2.81	1.40	3.63	2.43	1.64	2.05	2.090
April.....	1.76	3.75	2.49	0.56	2.45	1.63	2.23	1.92	1.92	2.32	2.003
May.....	2.84	1.67	1.90	2.36	1.93	2.79	1.16	2.46	4.02	3.35	2.348
June.....	1.55	2.33	5.29	2.14	3.18	2.64	2.12	3.46	2.96	4.81	3.046
July.....	2.06	5.79	1.50	4.43	2.86	2.39	2.04	4.31	3.7	6.78	3.253
August.....	2.15	2.19	3.05	6.15	3.26	3.98	3.75	5.74	3.57	2.68	3.652
September.....	3.15	1.67	6.71	4.13	4.33	3.94	4.06	2.27	3.60	6.55	4.041
October.....	7.70	2.49	4.49	4.00	3.82	5.13	4.48	4.07	4.91	2.10	4.317
November.....	2.15	1.47	5.30	2.09	3.19	4.10	2.53	5.35	2.91	1.36	3.045
December.....	2.33	2.50	4.20	1.55	4.28	2.30	7.67	3.93	2.57	2.46	3.099
TOTALS.....	32.06	31.43	46.19	34.88	35.50	34.80	39.19	46.13	34.18	38.15	37.251

House 40 ft high & 60 ft distant
1879 shrubs 1 ft 6 ins high 10 ft E

Gough church 1 mile W.

9 shrubs 1870 + 91 would be low

and suggest 34.90 + 35.30

28/4/33

RAINFALL AT Dromagh, Edenvale.

Lat.....

Lon.....

County of Tyrone

Rain Gauge, by..... Observer Capt' Buchanan No 2

Tome - 3.

Inches in month

Diameter5										
Height	1.2		1.								
Altitude	300.										
YEAR	1870	1871	1872	1873	1874	1875	1876	1877	1878	1879	MEANS.
January.....	2.85	4.39	6.16								
February.....	2.88	2.72	3.77								
March.....	2.78	2.30	2.02								
April.....	1.38	4.06	2.44								
May	2.53	.59	1.75								
June.....	1.60	2.38	5.32								
July	1.89	6.25	1.55								
August.....	2.05	2.30	3.37								
September.....	2.90	1.67	6.93								
October.....	2.23	2.35	4.75								
November.....	2.25	1.78	5.50								
December.....	2.41	2.53	4.37	11							
TOTALS	31.75	33.32	47.33								

C C C

by on the crest of a Hill about 150 yards East of the
 other gauge & 20 ft. higher
 1873 G. broken

RAINFALL AT Omagh Edenfell

Lat.

Lon.

County of Tyrone

Rain Gauge, by

Observer C. Buchanan

Troy - 3.

Diameter	8											
Height	7.0	1.	-									
Altitude	280										300	
Year	1880	1881	1882	1883	1884	1885	1886	1887	1888	1889	MEANS.	
January.....	2.10	1.43	2.09	4.13	5.70	2.90	4.26	2.74	2.47	3.37	3.019	
February.....	2.21	2.73	2.31	3.40	3.75	4.04	3.01	2.17	.62	2.65	2.689	
March.....	2.56	2.53	3.55	1.97	2.79	2.78	2.95	1.22	3.01	2.31	2.507	
April.....	3.41	2.16	2.55	1.52	1.38	1.88	1.54	2.64	2.13	3.09	2.230	
May.....	1.48	2.20	2.33	1.67	3.50	2.39	3.32	1.96	2.24	3.62	2.466	
June.....	3.37	3.91	4.78	2.68	1.35	.78	1.60	.64	5.34	.41	2.474	
July.....	4.72	3.00	7.04	3.59	3.46	1.83	2.71	3.16	5.02	2.69	3.722	
August.....	2.04	3.79	3.09	5.07	2.41	1.44	2.70	4.45	4.18	5.69	3.486	
September.....	2.99	2.48	4.57	4.44	3.17	5.63	3.76	3.34	1.06	2.51	3.375	
October.....	.67	2.95	2.50	5.02	4.52	3.45	3.82	2.34	1.35	4.42	3.104	
November.....	4.85	3.33	6.85	5.50	3.75	2.64	3.28	2.78	3.75	2.00	3.873	
December.....	3.37	3.56	4.12	3.16	4.40	1.86	5.08	3.42	3.47	4.39	3.683	
TOTALS	33.72	38.07	45.78	42.03	40.18	30.82	38.03	30.86	34.64	37.15	36.628	

1880. Omagh

2 miles

W NW W

Trees 20 ft high 40 ft W.

8 houses 70 ft " 100 ft NE.

1880 Gauge moved about 200 yards during the year

RAINFALL AT Omagh Edenfel
 Lat. _____ Lon. _____ County of Tyrone
 Rain Gauge, by _____ Observer F. G. Buchanan
 Fylde - 3.

Diameter	8									
Height	10									
Altitude	280 T 300									
Year	1890	1891	1892	1893	1894	1895	1896	1897	1898	1899 MEANS.
January	4.70	2.00	2.40	2.86	6.64	2.86	1.79	1.55	2.64	4.74 3.218
February	1.04	.68	1.60	3.00	5.18	.51	2.18	3.42	4.18	3.19 2.498
March	2.93	2.35	.76	1.71	3.08	3.50	4.36	5.44	1.64	2.35 2.812
April	1.72	2.42	.84	1.59	2.83	2.04	2.42	2.92	3.70	4.75 2.523
May	1.75	3.22	4.43	1.26	2.94	.74	.85	2.73	3.26	3.40 2.458
June	3.23	1.82	3.33	1.87	2.62	1.21	3.39	7.41	3.40	2.83 3.111
July	2.66	4.29	2.60	3.64	3.08	4.43	4.63	3.59	.61	2.54 3.207
August	4.74	7.45	4.83	6.21	2.44	6.65	2.49	6.11	5.28	3.32 4.952
September	3.56	4.04	4.84	2.77	.17	.76	4.89	2.27	4.12	4.84 3.226
October	2.81	4.61	3.72	4.37	3.91	4.54	4.36	3.43	3.80	1.98 3.753
November	7.23	2.66	5.54	2.37	3.28	4.56	1.35	2.79	3.85	3.04 3.669
December	2.01	5.62	2.60	4.85	3.95	5.16	4.57	4.65	3.90	4.99 4.230
TOTALS	38.38	41.16	37.49	36.50	40.12	36.96	37.28	46.31	40.38	41.97 39.655

1893 Omagh Church 1½ miles N.W. 18°70'-
 House 60 ft high 100 ft E

RAINFALL AT Ornagh, Edenvale

6252

Lat.

Lon.

County of Tyrone

Rain Gauge, by

Observer

C. Buchanan CB

Tome - 3.

Diameter ..	8									
Height	10									
Altitude ..	280 T	300								
Year	1900	1901	1902	1903	1904	1905	1906	1907	1908	MEANS.
January ..	4.53	3.54	3.29	6.19	4.64	3.30	5.34	2.25	(3.50)	3.79 4.037
February ..	2.49	2.07	2.79	4.00	5.40	1.98	3.00	2.72	(3.50)	1.88 2.983
March79	3.85	2.68	7.03	2.99	5.22	3.60	4.92	(4.60)	4.11 3.979
April.....	2.76	3.71	3.48	2.40	3.07	2.53	3.18	3.15	(2.75)	4.12 3.115
May	2.88	1.86	4.70	2.56	2.89	2.09	4.46	3.60	2.75	2.57 2.986
June	5.22	3.34	2.12	1.95	1.85	2.05	.91	(5.75)	2.40	1.21 2.680
July	3.33	1.65	3.95	4.36	4.41	2.27	2.75	(3.00)	(2.60)	3.48 3.180
August	4.15	4.78	2.65	7.92	5.37	4.86	4.43	(4.00)	(2.75)	2.56 4.347
September..	2.84	4.71	3.20	3.89	3.00	2.44	1.94	1.00	6.00	3.01 3.203
October....	6.02	4.73	2.66	7.28	3.51	2.10	5.65	4.00	1.70	4.85 4.250
November ..	6.55	3.83	4.34	3.04	3.41	3.86	3.74	(2.60)	3.09	2.17 3.663
December ..	5.04	4.93	3.89	4.24	2.85	3.39	3.40	(4.00)	3.51	4.04 3.879
TOTALS ..	46.60	43.00	39.25	54.86	42.89	36.09	42.40	40.99	(39.15)	3779 (42302)

m m m imp. D

1900 Ornagh church 1 mile ENE

House 45ft high 100 ft N.E.

1907 & 1908 Pencil figures estimated from monthly maps Ch. 29 1.10

RAINFALL at Omagh Edenpl

County of Tyrone

Observer L Col J B Buchanan

River Basin Foyle 3

Rain Gauge, by

Diameter ...	8											
Height	1.0											
Altitude ...	280 T											
Year ...	1910	1911	1912	1913	1914	1915	1916	1917	1918	1919	MEANS.	
January ...	4.64	2.71	3.31	5.57	2.52	4.49	3.72	2.51	2.86	4.13	3.646	3.22
February ...	5.80	4.01	3.31	1.87	5.43	4.26	4.16	2.20	5.13	.56	3.703	12.35
March	2.20	1.78	4.87	3.77	5.44	1.59	1.45	3.41	1.51	3.99	3.001	10.36
April	2.40	2.66	2.02	4.44	2.34	2.99	4.62	2.47	1.40	2.10	2.744	10.59
May	2.71	1.72	1.59	4.15	1.85	.90	5.40	2.27	2.52	1.84	2.495	12.03
June	3.98	2.42	5.94	3.27	1.11	2.76	2.36	2.58	1.92	3.70	3.004	10.56
July	4.59	4.09	4.49	1.64	2.53	5.34	1.97	1.90	3.48	.82	3.085	8.17
August	6.87	3.21	5.12	1.21	4.07	3.24	3.25	3.60	3.18	4.11	3.986	16.14
September ..	1.20	1.73	1.53	3.24	2.11	1.83	1.24	3.83	7.02	4.19	2.792	16.28
October ...	2.13	3.39	4.42	3.19	1.76	3.07	7.54	8.36	5.46	2.25	4.157	9.361
November ..	3.65	4.70	4.96	3.82	5.78	2.77	4.34	7.17	4.15	4.42	4.576	20.08
December ...	3.56	6.38	6.76	4.47	6.65	5.79	3.26	3.23	5.06	9.14	5.430	26.69
TOTALS ...	43.73	38.80	48.32	40.64	41.59	39.03	43.31	45.53	43.69	41.53	42.619	
	D	D	D	D	D	D	D	D	D	D		

Totals
1619.1720.0
12.66

Date.	Lat. N.	Long.	Railway Station.	Distance.	Direction.	Church.	Distance.	Direction.
1911			Omagh	1 mile	NW.	Omagh.		

RAINFALL at Omagh. Edafel

County of Tyrone

Observer

G. J. B. Buchanan

River Basin Tyle — 3

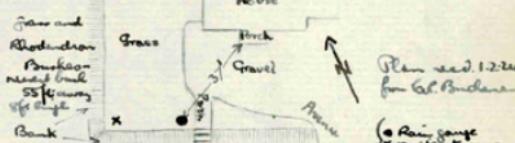
Glacier Rain Gauge, by
(25)

Diam.

Diameter ...	8			8							1930 MEANS.	Totals.
Height	1	0	1	6		1						
Altitude ...	280			280								
Year	1920	1921	1922	1923	1924	1925	1926	1927	1928	1929		
January	5.20	5.30	4.60		4.25							53.18
	5.22	5.81	5.16	4.87	4.77	4.08	6.49	4.74	7.66	4.48	4.51	
February	3.40	0.95	4.90		2.25		5.09	3.61	2.06	5.56	3.04	38.42
	3.50	4.70	2.10		2.9							
March	3.74	5.11	2.37	2.80	3.02	2.01	2.10	3.53	3.62	4.48	3.49	29.22
	4.10	1.60	3.30		3.02							
April	4.29	1.71	3.77	3.41	3.32	4.14	2.15	1.75	2.27	1.42	2.06	29.52
	4.00	2.05	3.70		5.46							
May	2.60	2.22	3.07	2.71	5.93	4.88	4.03	1.46	1.54	2.41	2.19	33.43
	2.00	.55	2.90		2.86							
June	1.75	—	3.27	1.63	3.13	.80	2.83	3.54	5.78	2.73	2.04	27.66
	4.50	3.95	4.20		3.68							
July	3.85	3.30	4.00		4.26	3.40	3.49	3.13	2.50	4.05	3.75	39.96
	3.85	3.55	4.14	6.19	6.64	2.71	4.04	3.63	6.34	6.85	6.90	
August	2.55	1.50	3.40		3.42	3.03	2.43	4.31	5.13	1.23	2.94	36.86
	2.7	1.54	3.80	4.54	6.14							
September	4.20	4.00	1.80		3.02	3.31	3.21	3.23	5.29	6.00	6.77	45.52
	4.60	4.55	2.01	4.48	3.51							
October	4.90	3.60	2.30		2.23							42.44
	3.60	5.50	4.80		3.87	2.80	3.78	3.97	5.38	4.26	4.55	
November	3.86	6.00	4.38	4.06	5.88	3.60	1.75	1.60	3.48	7.71	4.40	45.47
TOTALS	(45.50)	(37.00)	(41.00)		4576							476.36
	45.50	37.00	41.00		50.00	51.94	39.85	39.91	36.95	54.55	41.66	44.18
	D	D	D		D	D	D	D	D	D	D	44.18 ✓

N.23 : file 604086/23 - wrote re left values.
 1923 values reduced in ratio 89:100 (factor arrived at by comparison of readings with a new & installed board 1923).
 1920 - 1922 values reduced yearly (factor for each year arrived at by use of annual percentage up + avg. of actual rainfall)

1924. N.H.P. - checks g. S. Leaked
 see other gauge.



Plan recd. 12/24
 from G. J. B. Buchanan

(e) Rain gauge
 placed 1924
 about 20 ft more
 than 1923

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
			Omagh	1 mi	N.W.	Omagh		

RAINFALL at Omagh, Co. Tyrone

County of Tyrone

Observer Lt Col J. B. Buchanan

River Basin Foyle - 3

Rain Gauge, by

New

Diameter ...											
Height											
Altitude ...											
Year	1920	1921	1922	1923	1924	1925	1926	1927	1928	1929	MEANS.
January ...					(4.25)						
February ...					(2.25)						
March					1.89						
April					3.02						
May					5.46						
June					2.86						
July					3.68						
August					6.64						
September...					5.48						
October.....					3.03						
November...					3.23						
December...					4.97						
TOTALS...					(45.76) D	X					

1924. Jan. & Feb. computed from readings of old gauge. By nomes ratio 1/1/20

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 from gauge	Parish Church.	Distance from gauge	Direction from gauge
1924			Omagh					

RAINFALL at Omagh (Edenlee)

County of Tyrone

Observer Lt. Col. J.B. Buchanan ^{dead 1918}

River Basin 2-Tyke

Min. H.M. Busbyman (married 1940)

Type of Gauge Glazier

M² F.M. Hammond-Smith

Annual Average 20.1 in. based on 35 years obs. un-weighted. Period of average

1888-1915 Ref. B.R.N.

73543/30

Diameter	8"											
Height	110°											
Altitude	280'											
Year	1931	1932	1933	1934	1935	1936	1937	1938	1939	1940	Means	
January	3.49	5.02	3.80	5.14	2.40	4.58	6.15	5.88	3.27	3.47		Totals 43.20
February	4.32	2.25	3.37	5.53	5.10	2.07	4.46	1.95	4.02	3.21		23.28
March	1.48	2.42	2.88	3.26	1.54	2.54	1.98	2.22	3.96	4.75		27.14
April	3.19	3.28	1.97	2.43	2.66	1.18	2.49	3.38	2.46	3.86		23.90
May	3.92	2.96	1.93	3.75	1.18	2.10	2.10	3.71	.99	1.75		24.45
June	5.90	1.67	2.48	1.80	4.45	3.49	2.83	4.75	2.33	1.46		31.11
July	5.51	5.44	2.62	2.26	1.36	8.17	5.84	6.08	4.23	3.61		44.15
August	2.36	2.19	2.39	4.76	3.17	2.71	3.99	2.62	1.13	1.27		26.49
September	1.87	4.79	0.46	6.74	5.61	4.11	3.84	2.40	2.25	3.41		35.48
October	2.89	4.03	3.03	5.73	5.33	4.87	1.10	7.53	2.22	4.85		41.28
November	4.84	2.86	1.40	1.45	6.79	4.62	2.22	7.52	7.12	4.33		42.15
December	4.40	5.70	2.38	6.31	3.69	5.96	2.82	5.03	3.65	5.08		44.02
TOTALS	44.20	40.61	28.66	43.16	42.28	46.16	39.82	49.08	37.63	41.05		412.65

1934. House. 50' high 20 yds NE.

Tree 50' " 50 " SW

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
			Omagh	1m.	N.W	Omagh.	1m

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

000472

Station No. M. 6252

RAINFALL at Omagh (Edenfell) ✓

41

County of Tyrone
 River Basin Lough - 3
 Type of Gauge Glaisher.

Annual Average 40.1 in. based on 35 years obs. un-weighted. Period of average 1881 - 1915 Ref. B 57 N.

File No. 73543/22

Diameter	8"				927	679	X				
Height	1' 0"					1					
Altitude	280'					41					
Year	1941	1942	1943	1944	1945	1946	1947	1948	1949	1950	Means
January	2.12	6.02	4.29	4.67	4.06	4.50	3.78	5.20	4.16	2.73	Totals 41.73
February	4.09	1.92	3.21	1.85	4.18	3.49	1.16	2.99	4.09	3.47	30.45
March	4.43	3.66	1.99	.79	3.06	1.25	4.71	3.64	9.62	2.42	27.77
April	1.76	2.54	2.29	2.29	1.82	.81	4.43	2.34	3.78	4.69	26.75
May	2.16	3.40	3.75	2.67	4.98	1.49	4.36	1.39	3.28	1.32	22.80
June	0.76	.43	3.78	2.79	4.06	3.99	4.56	3.41	1.31	3.10	28.38
July	3.23	3.62	2.38	2.82	4.04	4.32	3.76	3.41	2.56	5.62	35.76
August	4.02	6.05	6.80	3.60	1.96	6.49	.45	4.02	2.91	6.16	42.66
September	.82	5.67	2.88	5.42	3.43	7.09	3.63	4.78	3.07	8.86	45.65
October	6.21	5.65	3.80	5.56	4.46	1.25	1.99	3.64	4.62	4.22	41.40
November	4.17	1.07	3.04	7.05	.93	4.19	7.47	3.71	5.06	3.54	40.23
December	2.82	4.74	2.80	5.31	3.70	5.55	3.00	6.60	7.34	3.77	45.63
TOTALS	36.58	44.77	41.01	44.82	40.08	44.42	43.30	45.13	44.80	49.90	435.01 42.66

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

Station No. M. 6252

51

RAINFALL at Ormage (Edenfield)

County of Tyne & Wear

River Basin 3 - Tyne

Type of Gauge Glazier

Annual Average 40.1 in. based on 35 years obs. un-weighted. Period of average 1881-1915 Ref. B of N
 42.80 - - - - 1916-1950 1916-1959 P
 File No. 3543/30

Diameter ...	8"				927	679					
Height ...	1' 0"					1			1' 1"		
Altitude ...	280'					51					
Year ...	1951	1952	1953	1954	1955	1956	1957	1958	1959	1960	Means
January	3.52	5.37	1.79	3.24	4.30	2.92	5.07	4.03	2.53	4.15	
February	3.36	1.55	1.59	4.75	2.92	2.20	3.41	3.68	1.52	3.59	
March	3.33	2.05	0.91	3.67	1.03	2.11	3.61	1.07	3.42	2.25	
April	2.02	1.51	2.35	1.40	2.49	1.39	1.62	1.67	3.75	2.17	
May	1.62	1.83	3.44	4.53	2.84	2.20	2.20	2.70	1.25	2.12	
June	2.78	3.21	1.23	3.71	5.35	3.91	2.08	4.70	2.85	4.09	
July	2.94	1.40	6.07	5.93	1.51	5.05	3.69	4.37	3.63	5.69	
August	5.13	4.42	3.43	3.40	.91	6.94	5.13	4.58	1.63	4.09	
September	3.27	1.78	3.65	4.95	4.18	3.08	4.47	3.99	1.57	2.69	
October	1.87	5.61	2.92	8.63	2.92	4.00	3.70	3.47	5.64	3.39	
November	5.43	3.23	4.40	5.19	2.11	2.88	1.16	2.53	4.71	3.71	
December	4.65	4.99	3.83	5.42	5.47	5.40	5.18	5.83	5.69	4.72	
TOTALS	39.94	36.95	35.61	54.82	36.03	42.08	41.32	42.82	38.19	42.56	
	D	D	D	D	D	D	D	D	D	D	

July 1959 f.b.o.k. lg. in very poor condition. Overheltree (30°) by tree to SSW. Slight overheltree from house to NE. Halt g. supplied by Q.V.C. nearly fully overheltreed to S and to WSW E. Rec. use to replace present g. in present site which is not available.

N 735

000696

(Bk of Averages)

Position of Station on Ordnance One-Inch map : No. of Map National Grid Reference EH 446 719

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

Summary of Earlier Records from 10-year Sheets : 1916-1950, P-accepted

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