

RAINFALL AT *Amagha 6° 12' N*
Buchanan Edenfell

Rain (By
 Gauge)
 (Diameter in.

Height above Ground, 1 ft. 0 in.

Above Mean Sea Level, 275 ft.

July - 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	
September ...					.82	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 3.38 year = 39.26 but sent as 39.56

2 checks 1865 & 69 must be corrected

& suggest 36.40 + 36.80 in. respectively

75. 28/1/33

RAINFALL AT Omagh Edenfell

Lat.....

Lon.....

County of.....

Tyrone

Rain Gauge, by.....

Observer.....

Capt Buchanan No 1

Type - 3.

Diameter .....	.8										
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	3.775
February.....	2.61	2.42	3.65	.77	1.32	1.28	4.08	3.40	1.49	1.82	2.284
March.....	.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	.56	2.45	.63	2.23	1.92	1.92	2.32	2.003
May.....	2.84	.67	1.90	2.36	1.93	2.79	1.16	2.46	4.02	3.35	2.348
June.....	1.55	2.33	5.27	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	.37	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	4.47	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	2.50	7.67	3.93	2.57	2.46	3.899
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
 1579 Shrubs 1 ft 6 ins high 10 ft E.

Omagh church 1 mile W.

2 shrubs 1870 & 71 must be low

and suggest 34.90 + 35.30

7/5 28/4/33

RAINFALL AT *W magh. Edmell*

Lat.....

Lon.....

County of.....

Tyrone

Rain Gauge, by.....

Observer

*Leah M. Buchanan**No 2**July - 3.**June a month*

Diameter .....	.5										
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.....	1.78	2.30	2.02								
April.....	1.38	4.06	2.44								
May	2.53	.59	1.75								
June.....	1.60	2.38	5.92								
July	1.89	6.25	1.55								
August.....	2.05	2.30	3.37								
September.....	2.90	1.67	6.33								
October.....	1.823	2.35	4.75								
November.....	2.25	1.78	5.50								
December.....	2.41	2.53	4.37								
TOTALS	31.75	33.32	47.33								

*Q on the crest of a Hill about 150 yards East of the
 other gauges & 20 ft. higher
 1873 Q. broken*

RAINFALL AT *Bmagh Edenfell*

Lat. _____ Lon. _____ County of *Fyfe*
Rain Gauge, by _____ Observer *C. Buchanan*

Fyfe - 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	.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	1.43	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	5.43	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	33.07	45.78	42.03	40.18	30.82	38.03	30.86	34.64	37.15	36.628

1880. *Bmagh*

2 miles

W N W
W.

Trees 20 ft high 40 ft W.
Stone 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

G. Buchanan

Foye - 3.

Diameter	8											
Height	1 0											
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	3.667	
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 1 1/2 miles N.W.

1890-

House 60 ft high 100 ft E

RAINFALL AT Omagh, Edenf.

Lat.

Lon.

County of Tyrone

Rain Gauge, by

Observer Col. Buchanan CB.

Foye - 3.

Diameter ..	8											
Height	10											
Altitude ..	280' T	300										
Year	1900	1901	1902	1903	1904	1905	1906	1907	1908	1909	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	
March ....	.79	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	2.39	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	(2.50)	3.48	3.180	
August	4.15	4.75	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	3.39	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	37.79	42.302	

E

S

W

imperial

1900 Omagh Church 1 mile ENE

House 45ft high 100ft NE.

1907 & 1908. Pencil figures estimated from monthly maps C.S. 25, 1.10

RAINFALL at Omagh EdenplCounty of TyroneObserver Lt Col J.B. BuchananRiver 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.	TOTALS 1910-1919
January ...	4.64	2.71	3.31	5.57	2.52	4.49	3.72	2.51	2.86	4.13	3.64.6	322
February ...	5.80	4.01	3.31	1.87	5.43	4.26	4.16	2.20	5.13	.86	3.70.3	1235
March	2.20	1.78	4.87	3.77	5.44	1.59	1.45	3.41	1.51	3.99	3.00.1	1036
April	2.40	2.66	2.02	4.44	2.34	2.99	4.62	2.47	1.40	2.10	2.74.4	1059
May	2.71	1.72	1.59	4.15	1.85	.90	5.40	2.27	2.52	1.84	2.49.5	1203
June	3.98	2.42	5.94	3.27	1.11	2.76	2.36	2.58	1.92	3.70	3.00.4	1056
July	4.59	4.09	4.49	1.64	2.53	5.34	1.97	1.90	3.48	.82	3.08.5	817
August	6.87	3.21	5.12	1.21	4.07	3.24	3.25	5.60	3.18	4.11	3.98.6	1614
September ..	1.20	1.73	1.53	3.24	2.11	1.83	1.24	3.83	7.02	4.19	2.79.2	1628
October ...	2.13	3.39	4.42	3.19	1.76	3.07	7.54	8.36	5.46	2.25	4.15.7	2361
November ..	3.65	4.70	4.96	3.82	5.78	2.77	4.34	7.17	4.15	4.42	4.57.6	2008
December ...	3.56	6.38	6.76	4.47	6.65	5.79	3.26	3.23	5.06	9.14	5.43.0	2069
TOTALS ...	43.73	38.80	48.32	40.64	41.59	39.03	43.31	45.53	43.69	41.53	42.61.9	17400

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

RAINFALL at Omagh, EderfelCounty of LynneObserver L. G. B. BuchananRiver Basin Fyle — 3Ghaishes Rain Gauge, by (135)Orig.

Diameter ...	8			8								
Height	1	0	1	6	1							
Altitude ...	280			280								
Year	1920	1921	1922	1923	1924	1925	1926	1927	1928	1929	1930 MEANS.	Totals.
January ...	5.20	5.30	4.60	4.87	4.77	4.08	6.49	4.74	7.66	1.48	4.51	53.18
February ...	3.40	4.95	4.90	6.98	3.25	5.09	3.61	2.06	5.56	3.04	.58	38.42
March	3.50	4.70	2.10	2.80	2.89	2.01	2.10	3.53	3.62	.48	3.49	29.22
April	4.10	1.60	3.30	3.77	3.02	4.14	2.15	1.75	2.27	1.42	2.06	29.52
May	4.00	2.05	3.70	2.71	5.46	4.88	4.03	1.46	1.54	2.41	2.19	33.43
June	2.00	.53	2.90	1.63	2.86	.80	2.83	3.54	5.78	2.73	2.04	27.66
July	4.50	3.95	4.20	3.31	3.68	3.40	3.49	3.13	2.50	4.05	3.75	39.96
August	3.35	3.30	4.00	6.19	6.64	2.71	4.04	3.63	6.34	6.85	6.90	53.95
September...	2.55	1.50	3.40	4.56	5.48	3.03	2.43	4.31	5.13	1.23	2.94	36.56
October	4.40	4.00	1.80	4.48	3.02	3.31	3.21	3.23	5.29	6.00	6.77	45.52
November...	4.90	3.60	2.30	4.40	3.23	2.80	3.78	3.97	5.38	4.26	4.55	43.41
December...	3.60	5.50	4.80	4.06	4.97	3.60	1.75	1.60	3.48	7.71	4.40	45.47
TOTALS...	(45.50)	(37.00)	(41.00)	(50.00)	45.76	39.85	39.91	36.95	54.55	41.66	44.18	476.36

N.23 : file 60408/23 - note re lift values.

1923 values reduced in ratio 89:100 (factor arrived at by comparison of readings with a new G.

installed March 1923.

1920 - 1922 values reduced year by year (factor for each year arrived at by use of annual percentage inc + inc. of actual rainfall)

1924. Lifts - check g. B. checked
see other gauge.

* Corrected values added

Grass and
Rhododendron
Bushes
near track
55 ft. away
from gauge

Grass

Gravel

Gravel

Gravel

Gravel

Plan used 1.2.24
for G.B. Buchanan* Rain gauge
* installed 1929
* about 30 ft. morePosition of Station on reduced Ordnance Survey
Map, 2 miles to 1 inch Series

No. of Map

Grass Rhododendron Bushes -
nearest track 20 ft. away from gauge
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, EdenfelCounty of TyroneObserver Lt Col. J. B. BuchananRiver Basin Boyle - 3

Rain Gauge, by _____

New.

Diameter ...					5						
Height					10						
Altitude ...					386						
Year	1920	1921	1922	1923	1924	1925	1926	1927	1928	1929	MEANS.
January ...					(4.25)						
February ...					(2.25)						
March					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)						

1924. Jan. & Feb. computed from readings of old gauge, by nominal ratio 14/125

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
1924			Omagh					

RAINFALL at Omagh (Edenfee)County of TyroneObserver St. Col. J. A. BuchananRiver Basin 3. Foylasince H.M. Buchanan (married 1940)Type of Gauge GlaisherMrs F.M. Hammond-SmithAnnual Average 49.1 in. based on 35 years obs. un-weighted. Period of average 1885-1915 Ref. BEN

735.43 / 30

Diameter	8"											
Height	11 0"											
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	4.53	6.15	5.88	3.27	3.47		Total 43.20
February	4.32	2.5	3.37	.53	5.10	2.07	4.46	1.95	4.02	3.21		29.28
March	1.48	2.42	2.88	3.26	1.54	2.54	1.98	2.33	3.96	4.75		27.14
April	3.19	3.28	1.97	2.43	2.66	1.18	2.49	.38	2.46	3.86		23.90
May	3.92	2.96	1.93	3.75	1.18	2.16	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		44.12
August	2.36	2.19	2.39	4.76	3.17	2.71	3.99	2.52	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	4.57	1.10	7.53	2.22	4.85		41.28
November	4.84	2.86	1.40	1.45	5.79	4.62	2.22	7.52	7.12	4.33		42.15
December	4.40	5.70	2.38	5.31	3.69	5.96	2.82	5.03	3.65	6.08		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.

Trees 50' " 50' " SW

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
			Omagh	1 m.	N.W.	Omagh.	1 m.	N.W.

Station No. M. 6252RAINFALL at Omagh (Edenfel.) ✓

41

County of TyroneObserver Mrs F.M. Hammond SmithRiver Basin Lough - 3Type of Gauge GlaisherAnnual Average 40.1 in. based on 35 years obs. un-weighted. Period of average 1881-1915 Ref. B. 57 N.File No. 73543/30

Diameter	8"				927	679	X					
Height	1' 0"					1						
Altitude	280'					41						
Year	1941	1942	1943	1944	1945	1946	1947	1948	1949	1950	Means	Totals
January	2.12	6.02	4.29	4.67	4.06	4.50	3.78	5.20	4.16	2.73		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	2.62	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		28.80
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	3.91	6.16		42.46
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	40.28	44.42	43.30	45.13	44.80	49.90		435.01

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.

Station No. M. 6252RAINFALL at Omage (Edenfel)

51

County of TyrosObserver Mr. F.M. Hammond SmithRiver Basin 3 - FoyleType of Gauge GlaisherAnnual Average 40.1 in. based on 35 years obs. un-weighted. Period of average 1881-1915 Ref. B & N42.80 - - - - - 1916-1950File No. 1916-1950 3543/30 P

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	4.90	2.85	4.09	
July ...	2.94	1.40	6.07	5.93	1.61	5.05	3.69	4.37	3.63	5.59	
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	3.63	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	

Imp. B. 1259 g. B.O.K. g. in very poor condition. Over sheltered (30') by tree to S.W. Slight rainfall from N.E. to N.E. H.B. g. supplied by R.V.B. nearby fully sheltered to S and S.W. & W. & E. Rec. use to replace present g. in present site which is best available.

000696

Position of Station on Ordnance One-Inch map :

No. of Map.....

National Grid Reference EH 446712

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