

RAINFALL AT

Knockaderry

Lat.

Lon.

County of

Waterford

Rain Gauge, by

Observer

M. J. Fleming Esq.

Sun - 3.

Diameter						5					
Height						8					
Altitude						230T					
Year.....	1880	1881	1882	1883	1884	1885	1886	1887	1888	1889	MEANS.
January						3.40	2.52	4.45	3.45	2.95	
February						4.72	3.91	.88	1.10	2.81	
March						3.00	4.16	1.59	3.06	1.69	
April						3.85	2.26	1.21	2.21	2.34	
May						2.98	4.47	1.21	2.28	3.90	
June						1.22	1.15	.50	4.85	1.30	
July						1.51	4.25	1.61	5.50	1.68	
August						4.26	3.06	2.86	2.86	5.30	
September...						5.37	4.70	2.17	.92	1.32	
October						4.75	6.16	1.86	2.81	5.38	
November...						3.17	2.52	2.58	5.53	2.21	
December...						1.87	6.40	2.95	6.87	5.67	
TOTALS						40.70	45.36	23.87	41.44	36.55	

1 1/2

Ballyduff Church 2 1/2 miles N.

1885 Fence 4 ft high 210 ft N.

1887 Kilmeeadon Church 3 miles N

RAINFALL AT *Knockaderry*

Lat. _____

Lon. _____

County of *Waterford*

Rain Gauge, by _____

Observer *M. J. Fleming Esq CE*

Sun - 3.

Diameter	5											
Height	0 8	9						2 6		7.0		
Altitude	230 T							233		241		
Year	1890	1891	1892	1893	1894	1895	1896	1897	1898	1899	MEANS.	
January	5.88	2.21	2.53	3.60	5.19	5.37	1.14	3.85	4.90	8.95	4.862	
February	2.92	.30	3.68	3.65	2.22	1.78	2.28	2.54	1.69	4.12	2.618	
March	3.76	.93	1.32	.91	2.04	3.62	2.38	5.68	.66	1.69	2.294	
April	1.59	2.82	.71	.92	4.98	2.86	.74	6.25	5.84	4.47	3.118	
May	3.49	4.40	3.91	2.16	1.55	.99	.05	1.60	2.54	6.44	2.715	
June	3.91	2.63	2.61	1.43	2.89	3.24	1.95	3.27	3.76	3.59	2.928	
July	2.82	2.24	3.52	3.19	4.33	5.94	5.58	1.72	1.14	3.78	3.426	
August	2.72	7.32	4.91	5.75	3.13	5.10	1.38	5.88	5.68	3.63	4.550	
September....	2.22	3.26	3.77	1.21	1.23	1.91	5.87	3.69	3.67	1.21	2.804	
October	2.11	7.02	2.44	2.55	5.98	2.45	2.76	3.65	6.94	2.60	3.850	
November....	5.70	5.96	4.78	1.84	4.56	6.61	1.44	7.96	4.63	4.01	4.944	
December	3.57	5.89	3.44	4.48	3.67	6.59	8.50	5.50	3.82	14.37	5.983	
TOTALS	40.69	44.98	37.62	31.69	41.77	46.46	34.07	51.59	45.27	58.86	13.300	

1890 Kilmendown Ch 3 Statute Miles NNE

Fence 5 ft high 75 ft N

1899 January Gauge moved 100 ft N

RAINFALL AT Knockaderry No. 1

Lat.

Lon.

County of Waterford

Rain Gauge, by

Observer M. J. Fleming Esq. C.E.

Series - 3.

Diameter ..	5										
Height	4 0							7 7			
Altitude ..	241 T							248	247		
Year	1900	1901	1902	1903	1904	1905	1906	1907	1908	1909	MEANS.
January ..	5.18	4.50	1.55	6.01	3.86	2.42	4.81	.65	2.28	1.43	3269
February ..	7.05	1.57	4.55	2.61	5.98	.76	2.60	1.73	1.35	.88	2908
March89	2.17	1.75	5.22	3.05	5.08	1.81	.81	3.79	4.52	2909
April	2.71	2.70	3.46	1.11	.96	3.31	1.25	3.74	3.02	5.30	2756
May	3.66	1.46	1.95	2.78	2.30	.87	3.82	3.72	1.81	2.43	2480
June	4.36	2.42	2.76	6.62	2.17	1.88	1.02	4.29	1.27	2.05	2883
July	5.35	.92	2.89	3.82	3.59	1.97	1.98	2.71	3.79	2.16	2918
August	4.19	3.63	2.32	6.08	3.85	5.49	2.72	3.19	2.99	.53	3499
September ..	1.31	5.24	5.81	2.27	4.94	1.67	1.08	1.26	8.51	1.99	3408
October	4.50	4.33	2.31	5.50	1.86	.46	4.87	6.82	3.18	8.22	4205
November ..	8.38	2.13	7.59	1.53	1.95	3.50	2.09	4.25	2.26	.57	3425
December ..	6.94	3.88	2.55	5.24	2.69	1.71	1.77	6.22	6.24	4.68	4192
TOTALS ..	54.52	34.95	39.49	48.79	37.20	29.12	29.82	39.39	40.49	34.76	3885

1900 Kilmigdon Church 3 miles N.E.

House 20 ft high 90 ft NE

Trees 10 " 30 " 5

1904 Farm & returned to observer & not again recorded

1909 Kilmeadon Stat. 3 mi. NE.

RAINFALL AT Knockaderry No. 2

Lat. Lon. County of Waterford

Rain Gauge, by Observer M. J. Fleming Esq. cl.
 Sine - 3.

Diameter ..						5					
Height						4 0	7.7				
Altitude ..						241			247		
Year	1900	1901	1902	1903	1904	1905	1906	1907	1908	1909	MEANS.
January ..						2.30	4.65	.74	2.47	1.84	
February ..						.83	2.22	1.83	1.53	.93	
March						4.92	1.83	.90	4.24	4.24	
April						2.99	1.34	3.73	2.87	5.10	
May85	3.41	3.52	1.65	2.45	
June						1.85	1.09	4.27	1.30	2.11	
July						2.00	1.96	2.45	3.91	2.26	
August						5.04	2.64	3.04	2.93	.56	
September ..						1.71	1.17	1.17	7.94	2.09	
October58	4.81	6.49	3.05	7.95	
November ..						3.45	2.03	4.08	2.28	.69	
December ..						1.55	2.15	5.74	6.71	4.57	
TOTALS ..						28.07	29.30	37.96	40.88	34.79	

1905 Kilminster Church 3 miles NE

Station

House 20 ft high 50 yards E

Tree 25 " 40 " S

RAINFALL at

Knockaderry

No 1

County of

Waterford

Observer

J. J. Fleming Esq. C.E.

River Basin

Suir

3

Rain Gauge, by

Diameter ...	5										
Height	7.7										
Altitude ...	247 T										
Year ...	1910	1911	1912	1913	1914	1915	1916	1917	1918	1919	MEANS.
January ...	2.15	1.66	5.50	7.55	1.74	1.94	1.77	2.34	4.17	4.50	
February ...	4.24	2.96	5.15	2.94	5.84	5.15	3.97	1.40	3.83	4.66	
March	2.61	2.57	4.68	3.93	4.81	1.34	1.65	3.84	2.39	2.92	
April	1.66	3.25	.56	4.78	1.47	.87	2.53	1.27	2.07	.70	
May	1.51	1.64	1.84	5.15	1.62	2.63	3.55	4.69	2.66	4.66	
June	4.37	3.07	5.11	2.29	.62	1.88	3.12	1.87	2.06	1.50	
July	2.02	3.32	6.00	.20	4.19	4.96	1.41	2.24	3.91	1.41	
August	8.08	2.69	4.18	.97	7.58	2.23	2.27	9.70	3.00	4.25	
September ..	1.25	5.30	.52	3.68	1.98	2.44	1.38	1.52	7.89	1.78	
October ...	3.12	4.83	3.76	7.39	2.11	6.86	8.67	2.70	3.45	.48	
November ..	4.15	4.79	2.03	4.09	3.52	3.24	6.74	1.72	(3.32)	1.20	
December ...	4.84	9.76	4.15	1.19	9.41	6.68	2.69	2.34	(5.57)	5.34	
TOTALS ...	39.50	45.84	43.48	44.16	44.89	40.22	39.75	35.63	(44.32)	33.46	41.125
	D	D	D	D	D	D	D	D	D	D	

1913 Dec 20th high 24 yds NE

1915 No data past interpolated.

1919. Trees 14 ft. 10 yds. S.
 House 20 ft. 30 yds. W.

Date.	Lat. N.	Long.	Railway Station.	Distance.	Direction.	Church.	Distance.	Direction.
1912	52 1/4	7 1/4 W	Kilmeadow Kilmeaden	3 mls. H.	NE.	Kilmeadow Ballyduff.	3 mls. 2 m.	NE. N

RAINFALL at

Knockaderry

No 2

County of

Waterford

Observer

J. J. Fleming Esq. C.E.

River Basin

Suir

3

Rain Gauge, by

Coalla

Diameter ...	5										
Height	7.7										
Altitude ...	247 T								248		
Year ...	1910	1911	1912	1913	1914	1915	1916	1917	1918	1919	MEANS.
January ...	2.61	1.91	5.48	7.49	1.88	1.96	1.90	1.87	4.13	4.23	
February ...	4.51	3.33	4.81	2.88	5.86	5.24	4.09	1.46	4.26	4.49	
March	2.66	2.43	4.91	4.02	4.81	1.30	1.71	3.44	2.45	2.68	
April	1.77	3.32	.71	4.66	1.47	.94	2.70	1.43	2.12	.76	
May	1.70	1.83	1.94	4.42	1.66	2.52	4.16	4.63	2.71	4.60	
June	4.28	3.02	4.98	2.35	.68	1.98	3.12	1.83	2.18	1.37	
July	2.10	3.24	5.96	.20	4.20	4.83	1.40	2.22	4.00	1.37	
August	7.93	2.68	4.36	.95	7.40	2.22	2.20	9.40	2.97	4.14	
September ..	1.21	5.40	.54	3.67	1.97	2.55	1.37	1.48	7.63	1.55	
October	3.31	4.74	3.76	7.32	2.17	6.92	8.88	2.66	4.14	.48	
November ...	4.37	5.10	2.15	4.02	3.61	3.36	6.24	1.65	(3.12)	.93	
December ...	4.07	10.05	4.31	1.25	9.31	6.71	2.72	2.47	(5.68)	4.48	
TOTALS ...	40.52	47.05	43.91	43.23	45.02	40.53	39.99	34.514	(45.39)	30.88	41.106
	D			D	D	D	D	D	D	D	

1914. House 12 ft high ^D 24 ft N.

trees 10 ft. high 12 ft. S.

14 ft. high 24 ft. E.

1918 trees 24 ft " 90 ft SE

1918 Nov & Dec part interpolated

Date.	Lat. N.	Long.	Railway Station.	Distance.	Direction.	Church.	Distance.	Direction.
1912.	52.4	7 1/4 W	Kilmeadow	1/2 3 mls. 4 (1914)	NE.	Kilmeadow Ballyduff	2 3 mls. 2 m.	N NE. N

RAINFALL at Knockaderry Reservoir N^o 1County of WickfordObserver: J. J. Fleming Esq. C.B.River Basin Suir 3

(1927) D. Shedy Esq. C.B.

+ Smardon (Coppin) Rain Gauge, by Casella 7935Excellent condition
4" vertical scale.Baro Survey of Wickford

Diameter ...	5			5							
Height	77			77						10	
Altitude ...	247			247							
Year	1920	1921	1922	1923	1924	1925	1926	1927	1928	1929	1930 Means.
January ...	4.72	3.10	4.45	1.40	8.02	5.29		2.88	5.09	3.20	6.84
February ...	1.45	2.30	3.54	6.52	1.07	4.07		2.03	2.97	11.27	2.24
March	3.95	2.90	1.35	3.42	1.57	.26		4.22	6.90	1.34	7.65
April	4.71	.46	2.47	4.95	2.46	3.23		1.62	2.62	1.91	1.85
May	2.97	2.45	1.56	1.02	2.01	5.01		2.00	2.38	4.17	2.28
June	2.13	.13	1.66	.33	2.25	.55		3.75	7.38	2.40	2.50
July	5.48	4.82	2.98	2.11	4.45	2.33		5.04	1.25	4.06	3.66
August	3.10	5.08	5.22	6.90	2.25	3.03		5.77	5.12	3.07	6.22
September...	1.52	1.37	3.30	2.77	7.78	2.76		3.53	1.71	1.49	4.77
October	6.91	2.34	1.32	4.00	4.51	5.13		3.76	10.20	4.21	6.66
November...	2.95	4.95	1.75	2.47	5.33	2.31		5.18	6.62	7.88	6.11
December...	4.27	1.37	3.62	2.81	6.75	2.89		5.74	5.17	9.53	5.21
TOTALS...	45.46	31.27	33.19	38.65	51.05	36.86	NR	45.52	57.41	54.63	55.99
	D	D	D	D	D	D	D	D	D	D	D

1920. Stone - tree 20 ft. lgt 20 ft. w
14 ft. x 10 x 8.1926 Inspected by Mr. Spencer Russell 15/4/26. G erected & bolted on to a stone cairn
built in boundary hedge of two fields. probably good deal of eddy motion.
See sketch over. (1662568/26)

1928/19. Check up.

1930 " "

Position of Station on reduced Ordnance Survey
Map, 2 miles to 1 inch Series

No. of Map

Reference No.

Date.	Lat. N.	Long. W.	Railway Station.	Distance from gauge	Direction	Parish Church.	Distance from gauge	Direction
1920	52° 15'	7° 15'	Kilnashin	3 mi	N.E.	Ballyduff	2 mi	N
1925	52° 25'	7° 25'						

RAINFALL at Knockaderry ReservoirN^o IICounty of WatesfordObserver J. Fleming Esq. Cl.River Basin Don - 3

(1927) D. Shedy Esq. to E.

Snowdon Rain Gauge, by Casella 7936

Diameter ...	5			5							
Height	7 7			7 7					1 0		
Altitude ...	248			248							
Year	1920	1921	1922	1923	1924	1925	1926	1927	1928	1929	1930 MEANS
January ...	3.87	2.16	3.58	8.4	4.20			3.65	6.15	3.34	7.71
February ...	1.16	2.32	2.28	5.12	1.10			2.45	3.69	11.52	2.25
March	3.38	1.92	.81	3.01	1.19			5.19	7.81	1.51	8.03
April	4.69	.31	2.34	3.71	2.02			1.87	2.88	1.93	1.82
May	2.87	2.26	1.01	1.02	2.15			2.13	2.65	4.64	2.50
June	1.98	.15	1.57	.29	2.60			4.27	8.15	2.61	2.66
July	5.23	5.58	2.39	1.49	3.70			5.64	1.33	4.08	3.77
August	2.74	4.15	4.45	4.81	1.42			6.16	5.52	3.12	6.43
September...	1.38	1.17	2.33	1.52	5.66			3.99	1.85	1.47	4.83
October	6.59	2.20	.98	2.51	3.04			4.39	11.69	4.46	7.08
November...	2.64	4.26	1.16	1.06	4.65			5.77	7.74	8.67	6.29
December...	3.85	.75	2.25	1.88	4.30			6.51	6.03	10.68	5.63
TOTALS...	40.38	27.23	25.05	27.26	38.08			52.02	65.49	58.03	59.00

1920. 2 ins. of fl. L. 90 ft. of E.

1922. Seems much too short.

1924. mp. chile y.

1925. " " Branches of trees overhang gauge.

1926. Inspected by Mr. Spencer Russell 15/4/26. Erected on stone cairn in Boundary Ridge 350 yds E of N. 1 gauge. In a plantation of fir trees, branches of which are actually over gauge from a thick ~~and~~ and complete screen to SW. ~~which overleaf~~
 New site chosen in a field 200 yds ESE of present position. Rather exposed to E.S. but a slight protection to W by some of Knockaderry Res. Best position obtainable.
 S moved to new site May 1926 (+ 662.5 in)

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	Parish Church.	Distance from gauge	Direction
1923	52° 15' 7"	7° 15'	Kilmeaden	2 1/2	N.E.	Ballyduff	2 1/2	N.
	52° 26' 7"	7° 25'						

RAINFALL at KNOCKADERRY RESERVOIR (No 1)County of WATERFORDObserver D. Sheedy, C.E.River Basin 3- Suir

Type of Gauge.....

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

Ref

662560/20

Diameter								5"			
Height								1'			
Altitude								248'			
Year	1931	1932	1933	1934	1935	1936	1937	1938	1939	1940	Means
January								4.62	5.51	6.35	
February								2.28	4.83	6.78	
March93	1.71	2.93	
April04	1.23	3.39	
May								4.42	1.58	2.30	
June								3.52	2.61	1.10	
July								6.44	7.22	2.16	
August								3.68	2.27	1.04	
September								3.01	3.77	1.25	
October								4.99	4.05	8.50	
November								7.25	7.24	7.73	
December								4.82	3.83	4.22	
TOTALS								46.00	45.85 D	45.75 D	

1938. Plantation 40 to 50 ft. high about 50 p.c. E.

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.
1938.			Kilmeaden	4 mi.	N.E.	Ballyduff	2 mi.	N.

RAINFALL at Knockaderry Res^o (No 2)County of WaterfordObserver D. Shady, C.F.River Basin 3 - SuirType of Gauge Snordon No (1934)Annual Average 42.9 in. based on 9 years obs. ~~un~~ weighted. Period of average 1881-1915 Ref. P.B. No 44
[overlaid using Podlas (Mayfield) and Waterford (Gortmore)] £. 6625 68/26

Diameter	5"										
Height	1' 0"										
Altitude	248'										
Year	1931	1932	1933	1934	1935	1936	1937	1938	1939	1940	Means
January	2.82	4.24	3.31	4.20	7.8	7.97	7.22	4.80	5.56	5.19	
February	3.12	3.5	3.26	2.7	3.50	4.89	5.50	2.39	4.77	6.59	
March	7.71	2.76	3.35	3.82	1.76	3.96	5.16	(.97)	1.91	2.81	
April	2.30	1.93	2.35	3.96	4.34	2.31	4.62	(.05)	1.23	3.26	
May	5.93	4.98	3.48	0.14	8.5	1.58	1.93	4.61	1.63	2.38	
June	2.52	2.27	2.11	1.78	6.28	3.00	1.33	(3.73)	2.62	.99	
July	4.47	3.86	2.60	.55	7.1	7.75	4.08	6.13	7.30	1.99	
August	3.33	2.64	1.31	4.43	.83	1.04	1.74	3.88	2.22	.04	
September	3.58	2.31	2.26	7.79	7.88	3.81	4.17	3.19	3.90	1.20	
October	1.44	4.69	3.68	3.49	3.35	1.72	5.24	5.07	3.96	8.24	
November	9.76	2.12	1.75	1.34	5.04	3.25	3.31	7.54	7.04	8.04	
December	2.73	8.91	2.30	10.68	3.50	4.39	2.64	5.06	3.81	4.18	
TOTALS	49.71	41.06	31.76	45.44	38.72	45.67	46.84	(47.42)	45.95	44.91	

Inspected 1926. 1931. Embankment 40 ft. high, 40 yds. S.

1938. from April to June end by nearby Station.

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
1934	52°25'	7°25' W.	Hilmeaden	3m.	N.E.	Ballyduff.	2m.	N.
			"	4m.	N.E.			

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