

RAINFALL AT *Harrogate Water Works Bonny Cap*

Lat. _____

Lon. _____

County of *W.R. York*

Rain Gauge, by _____

Observer _____

Harrogate W.W.

E. Wilson Dixon Esq.

Cuse. Nedd 11

Diameter									8		
Height									1 6		
Altitude								710	700		
Year	1890	1891	1892	1893	1894	1895	1896	1897	1898	1899	MEANS.
January									2.17	4.08	
February									2.35	1.70	
March								4.01	.76	1.53	
April								2.19	2.66	2.60	
May								1.05	2.33	3.21	
June								4.75	1.79	1.53	
July								1.02	1.15	1.81	
August								4.63	3.29	1.49	
September . . .								3.09	.98	3.64	
October								1.94	4.93	2.95	
November								2.19	2.15	1.29	
December								3.33	3.92	3.14	
TOTALS									28.48	28.97	

RAINFALL AT *Hannogate Rocky Cap, Seargill Res.*

Lat.

Lon.

County of *York W.R. Northern*

Glaisher

Rain Gauge, by

Observer *E. W. Dixon Esq. C.E.*

7 J. Dixon Esq. C.E. Glasgow C.E.

read - 11.

Diameter ..	8										
Height	1	6									
Altitude ..	700 T	710									
Year	1900	1901	1902	1903	1904	1905	1906	1907	1908	1909	MEANS.
January ..	4.03	1.85	1.40	2.30	2.82	1.05	4.18	1.20	1.81	1.23	2.197
February ..	4.32	1.30	1.12	3.22	3.55	1.72	2.04	1.86	2.13	.97	2.223
March ....	.49	1.81	1.06	3.82	1.93	2.94	2.01	2.53	4.58	3.93	2.510
April	1.81	2.89	1.45	1.56	2.00	2.32	.82	1.99	2.81	3.02	2.067
May	1.52	1.44	2.87	4.06	2.97	.81	2.44	4.63	3.26	1.87	2.587
June	3.38	1.53	1.98	2.18	1.92	1.50	1.17	4.50	1.14	3.41	2.271
July	3.28	2.01	2.15	4.05	3.63	1.06	2.04	2.30	3.86	4.31	2.869
August	5.77	1.39	3.22	3.95	3.92	3.87	2.62	2.29	2.30	4.03	3.336
September ..	.73	1.05	1.13	4.36	1.49	2.22	.76	1.09	3.61	2.07	1.851
October	3.93	2.16	3.54	8.49	.88	1.97	5.12	8.61	2.11	2.60	3.941
November ..	3.84	4.14	2.08	1.88	3.24	4.89	3.99	2.80	2.01	1.25	3.012
December ..	3.46	2.99	2.63	1.54	1.78	.72	2.17	4.01	1.55	4.72	2.557
TOTALS ..	36.56	24.56	24.63	41.41	30.13	25.07	29.36	37.81	31.17	33.51	31.421

1908 *Fewston Branch* 2 1/2 miles W
Hannogate Station 7 E
Nothing near

RAINFALL AT

Hanogate Scargill Res.

Lat.

Lon.

County of *York W.R.*

Northern

Flasher

Rain Gauge, by

Observer

E. W. Dixon Esq. C.E.

Wind - 11.

F. J. Dixon Esq. C.E. & Bagshaw C.E.

Diameter ..	8										
Height	1 0										
Altitude ..	650						646				
Year	1900	1901	1902	1903	1904	1905	1906	1907	1908	1909	MEANS.
January ..	4.47	1.79	1.33	2.19	2.77	.97	4.35	1.27	1.65	1.28	2.207
February ..	4.91	1.25	1.20	3.30	3.42	1.64	2.11	1.68	1.56	1.05	2.212
March ....	.79	1.71	1.17	3.57	1.90	3.01	2.01	2.47	3.98	4.16	2.477
April	1.70	2.98	1.69	1.50	1.85	2.50	.80	1.84	2.67	3.00	2.058
May	1.48	1.41	3.28	4.22	2.99	.79	2.44	4.49	3.10	2.00	2.620
June	4.06	1.52	2.11	2.23	1.87	1.49	1.24	4.28	1.11	3.53	2.344
July	2.82	1.92	2.37	3.98	3.48	1.11	2.04	2.20	3.99	4.42	2.833
August	5.49	1.38	3.39	3.96	3.78	4.07	2.71	2.00	2.24	4.08	3.310
September ..	.74	1.08	1.18	4.49	1.48	2.19	.73	1.00	3.32	2.20	1.841
October	4.09	2.13	3.78	8.53	.84	1.97	4.95	8.24	2.16	2.60	3.929
November ..	3.71	4.46	2.23	2.02	2.87	4.92	3.93	2.65	2.13	1.20	3.012
December ..	3.51	3.33	2.49	1.69	1.89	.72	2.27	3.75	1.51	4.74	2.590
TOTALS ..	37.77	24.96	26.22	41.68	29.14	25.38	29.58	35.87	29.42	34.26	31.428

1908 Beechworth Church 3 Miles E
Hanogate Station 6 miles E
Holding near

RAINFALL at Harrogate & Cargill Reservoir

County of West Yorkshire

Observer F. Bagshaw Esq. Ch. of West Eng. Co.

River Basin Ouse - Nidd 11

Raisher Rain Gauge, by

Diameter ...	8										
Height	1 0										
Altitude ...	646 ft										
Year ...	1910	1911	1912	1913	1914	1915	1916	1917	1918	1919	MEANS. Totals
January ...	4.19	1.22	4.45	3.69	1.82	4.98	2.24	2.97	2.79	4.58	12.53
February ...	3.27	2.97	2.21	1.24	1.95	4.09	4.40	.78	3.83	2.44	11.45
March .....	.66	2.05	3.90	3.99	3.35	.98	4.01	2.65	1.40	3.79	11.85
April	2.90	1.26	.49	3.28	1.03	1.40	1.69	1.73	.83	1.71	5.96
May	2.37	1.05	3.14	2.84	1.38	1.92	3.08	2.27	3.38	1.58	10.31
June	2.98	3.19	6.54	1.70	3.27	.56	1.78	2.27	.94	1.45	6.44
July	2.82	.29	5.63	.95	4.46	4.08	2.36	1.55	4.60	3.42	11.93
August	4.50	2.68	6.42	1.45	1.65	2.64	2.32	6.86	3.36	3.06	15.60
September ..	.19	3.02	2.00	1.51	1.75	.56	2.02	1.28	7.33	1.42	12.06
October ...	3.87	3.18	3.44	2.65	2.46	1.57	6.05	4.54	2.03	3.69	16.31
November ..	3.80	3.84	2.13	3.03	5.34	2.12	3.56	3.40	1.66	2.36	10.98
December ...	3.64	5.04	3.35	2.08	7.11	7.32	2.59	1.77	6.00	5.06	15.42
TOTALS ...	35.19	29.79	43.70	28.41	35.57	32.20	36.10	32.07	38.15	34.52	140.84

Date.	Lat. N.	Long.	Railway Station.	Distance.	Direction.	Church.	Distance.	Direction.
			Harrogate	6 m	E	Reckwithham	3 m	E

RAINFALL at Harrogate N.W. Seangill ReservoirCounty of N. YorksObserver A. S. West-Long C.E.River Basin Cuse-Nidd 11Water Eng. HarrogateGlaisher

Rain Gauge, by

{ 1.90
8.02
8.06

No. 23.

(Daily)

Glasses 5 in + 8 in
correct.

Diameter ...	8												
Height	1 0												
Altitude ...	646												
Year	1920	1921	1922	1923	1924	1925	1926	1927	1928	1929	1930 MEANS.	1920-30 TOTALS	
January ...	4.38	4.86	3.98	1.78	2.26	2.88	3.10	2.51	6.40	1.67	5.89	39.71	
February ...	2.21	1.17	3.67	5.50	1.10	4.79	2.99	1.42	3.12	.79	1.21	26.97	
March	2.86	1.80	2.50	1.64	1.25	1.21	1.25	2.34	3.27	.43	2.71	21.26	
April	4.73	.94	3.23	2.39	1.91	3.80	1.88	2.57	1.02	1.37	3.41	27.25	
May	3.82	1.89	1.10	3.54	4.64	4.98	2.46	1.72	2.48	1.88	1.67	30.18	
June	1.69	.11	1.74	.82	2.25	.06	4.06	3.38	5.62	1.05	2.22	23.00	
July	3.12	1.85	4.72	3.97	4.58	1.05	2.45	4.80	.95	3.38	5.24	41.11	
August	2.06	4.01	5.89	4.12	2.91	2.89	3.62	2.13	4.10	2.37	3.88	43.98	
September...	1.14	1.04	3.70	2.78	3.53	2.40	1.79	3.68	.44	.90	4.09	25.49	
October	4.12	1.82	1.19	3.63	3.66	3.79	3.80	3.10	5.61	3.26	2.94	36.92	
November...	2.00	2.70	1.25	3.60	2.80	2.34	6.15	3.36	4.41	4.61	4.58	37.80	
December...	3.54	4.48	3.59	3.67	3.18	4.09	1.20	3.06	2.18	6.47	3.11	38.57	
TOTALS...	40.67	25.67	36.56	37.44	34.07	34.28	34.75	40.07	39.60	28.18	40.95	392.24	

Impeller 75. 3.04.23 6. on lawn in front of House facing reservoir 65.10, in
 descent of spring trees. Good shelter except to S.W. where dist. of 10 ft. in 30 yrs to
 known water. Accumulated moving somewhat nearer house to position in centre of
 current of flow to a little further from reservoir. This should be quite good
 even when tree grows.

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
			Harrogate	6 mi	12	Beckwithshaw	3 mi	12

RAINFALL at Harrogate W.W. (Scargill Res.)County of West RidingObserver A. S. West, Esq., C.E.River Basin Ouse - Nidd - Il

Type of Gauge

Annual Average 32.4 in. based on 31 years obs. ~~un~~-weighted. Period of average 1881-1915 Ref. 1105
(1939) 34.8 14 660560/26

Diameter	4.											
Height	1.0.											
Altitude	646											
Year	1931	1932	1933	1934	1935	1936	1937	1938	1939	1940	1931-40 Mean	
January	2.39	2.57	2.13	2.45	2.04	4.22	4.36	4.71	4.87	2.14	31.88	
February	2.82	.48	4.27	.27	4.07	3.03	5.30	1.84	2.77	2.17	27.02	
March	.82	2.86	2.11	3.39	1.23	2.86	3.69	.41	2.39	2.19	21.45	
April	3.85	2.82	1.75	3.88	2.30	2.24	3.50	.20	1.76	2.76	25.06	
May	3.66	5.21	4.11	1.82	1.44	2.33	3.08	3.09	1.55	.87	27.16	
June	6.33	.73	2.04	2.03	3.41	5.28	2.60	3.25	2.12	.48	28.27	
July	4.29	3.90	2.18	1.93	1.00	4.13	2.00	3.71	5.66	4.92	33.72	
August	4.71	1.40	0.64	1.51	2.13	2.58	1.52	4.37	2.65	.64	22.15	
September	6.01	3.07	2.27	2.64	5.92	2.87	1.36	2.61	1.34	2.36	30.49	
October	1.37	4.31	4.14	2.89	5.83	2.40	2.65	6.12	3.02	3.77	36.50	
November	5.33	2.74	3.11	2.52	6.20	3.89	2.15	3.72	4.77	4.90	39.33	
December	1.43	1.46	0.95	6.57	2.47	2.65	3.03	4.63	2.41	3.31	28.91	
TOTALS	43.01	31.05	29.70	31.90	38.04	38.48	35.24	38.66	35.31	30.51	351.90	
	D	D	D	D.	D.	D	D	D	D	D	D	

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
1931			Hampsthwaite	4m	NNE	Beckwithshaw	2m	E

Station No. 3352

RAINFALL at Harrogate W.W. (Scargill Res)

41

County of West Riding

Observer A. S. West Esq. CE

River Basin Ouse - Nidd - U.

The Water Engineer

Type of Gauge

Annual Average 34.5 in. based on 14 years obs. un-weighted. Period of average 1881-1915 Ref. I.W.S.

File No. 660560/86

Diameter	8"										
Height	1' 0"										
Altitude	646'										
Year	1941	1942	1943	1944	1945	1946	1947	1948	1949	1950	Means 1941-50
January	4.67	4.17	4.07	4.18	4.11	3.28	2.99	7.84	1.36	2.10	38.77
February	4.26	1.79	1.78	1.74	4.07	3.57	(4.34)	2.14	1.52	6.02	31.25
March	3.71	2.42	.94	.53	1.12	1.63	6.98	1.47	1.16	1.43	21.39
April	2.54	1.46	1.68	2.76	2.21	1.70	3.73	2.63	2.72	2.89	24.32
May	2.56	2.92	2.45	1.28	2.85	2.88	3.30	1.11	1.84	2.22	23.41
June	.11	1.16	2.74	2.75	3.03	2.48	3.77	3.48	.90	.77	21.19
July	2.36	2.37	2.04	4.06	2.68	4.29	2.21	1.47	2.48	3.95	28.41
August	3.70	2.70	3.46	3.13	3.80	4.96	.76	4.61	2.27	6.18	35.57
September	.60	2.28	3.97	5.63	1.68	6.34	2.05	2.72	1.13	4.39	30.79
October	4.32	2.58	2.16	3.04	4.64	1.97	1.57	1.41	3.50	1.93	27.62
November	3.37	1.39	2.77	6.02	.60	6.55	3.47	1.36	4.84	4.32	34.69
December	.90	2.57	1.79	3.73	2.18	2.42	3.17	3.04	4.54	1.99	26.33
TOTALS	34.12	27.81	29.85	38.85	32.97	42.07	38.34	33.28	28.26	38.19	343.74
	D	D	D	D	D	D	D	D	D	D	

1947. Feb. part ex-d. for snow

20004

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			Hampthwaite	4 ml.	N.W.E.	Bedworthshaw	2 ml.	E.

51

County of West Riding - Yorks.

Observer

River Basin, Ouse-Tidd-11

Type of Gauge..... *glass*

Annual Average 34.8 in, based on 14 years obs. un-weighted.

Period of average. 1881-1915

Ref. I.W.S.

35.10 " " 35 " 1916-1950

1916-1950
File No. 100560/26

1916-1950
File No. 660560/26

Diameter ...	8"	058	460	760 8 1/2							
Height ...	1'0"		1	6' 6" 10/10		on 10/10 1' 0"			5"		
Altitude ...	646'		51								
Year ...	1951	1952	1953	1954	1955	1956	1957	1958	1959	1960	Means Totals
January ...	2.91	3.68	.77	2.55	2.45	4.82	2.33	2.62	4.27	5.79	32.19
February ...	3.18	.60	3.07	3.37	2.26	2.48	2.84	6.43	.32	2.51	27.06
March ...	4.01	2.19	.93	1.83	2.25	1.61	2.63	2.40	1.67	2.48	22.00
April ...	1.31	1.65	2.74	.35	1.04	3.05	.38	1.07.	4.29	1.98	17.96
May ...	5.86	1.73	1.78	4.42	2.98	1.12	1.39	4.66	1.17	1.17	26.28
June ...	1.10	1.86	1.69	2.01	2.60	2.91	2.17	4.16	1.65	1.20	21.35
July ...	2.26	1.35	3.02	1.67	1.42	5.09	2.95	4.26	2.39	5.29	29.70
August ...	5.39	3.55	4.92	6.51	2.37	7.57	6.00	2.40	.97	2.61	42.29
September ...	2.73	4.63	2.42	2.62	1.88	4.77	4.51	3.86	.18	3.69	32.29
October ...	.98	3.91	2.46	4.66	2.64	1.63	3.65	2.49	2.76	6.63	31.77
November ...	3.15	2.00	3.14	5.70	2.86	1.00	2.55	1.05	4.99	5.85	37.29
December ...	4.00	2.24	1.49	3.77	6.34	3.66	3.52	5.76	6.49	3.93	41.20
TOTALS ...	41.88	29.39	29.43	39.42	31.09	39.71	34.92	41.16	31.25	43.13	361.38

1954 Deep fl. blanchette Adjacent to swampy ground. Vigorous on re. side. fr. SE - SW. to SW. frequently shaded on
other side by trees above. Nearly tree 10-12', 7-8' E. RESE.

Position of Station on Ordnance One-Inch map :

No. of Map.....96.....

National Grid Reference 44/233837

Date.	Lat. N.	Long.	Railway Station.	Distance from gauge	Direction	Parish Church.	Distance from gauge.	Direction
1951			Hampalbascote	4m.	NNE	Beckwithshaw	2m.	E.

Summary of Earlier Records from 10-year Sheets :

1916-1950, P-accepted

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