

RAINFALL AT

Binglay, Hillsdale Twp.

80

Lat.

Lon.

County of York N.B.

Rain Gauge, by

Observer A. R. Binnie Esq., C.E.

Base - Aire - 9

Diameter							5				
Height							10				
Altitude							572				
Year	1880	1881	1882	1883	1884	1885	1886	1887	1888	1889	MEANS.
January							5.37	2.32	1.11	1.05	
February ....							.60	.60	.73	1.45	
March							1.92	1.68	3.53	2.17	
April							2.31	.86	2.92	2.46	
May							4.95	1.72	1.40	2.32	
June							1.12	.10	2.59	.36	
July							4.05	1.89	4.47	2.04	
August							1.34	1.58	2.55	3.90	
September							2.15	3.70	.70	1.07	
October							5.42	2.27	.85	3.16	
November							2.37	2.75	6.63	.75	
December							5.09	2.37	1.86	1.58	
TOTALS							36.69	21.84	29.34	22.31	

N.B. Rejected from Survey as 14" low.

RAINFALL AT *Bingley Gilstead Fittern*

Lat.

Lon.

County of

York W.R.

Rain Gauge, by

Observer

*J. Webster Esq. C.E.
J. Watson Esq.*
Case - No. 9

Diameter	5										
Height	10										
Altitude	572 N										
Year	1890	1891	1892	1893	1894	1895	1896	1897	1898	1899	MEANS.
January	3.34	1.77	2.15	.93	3.60	3.70	.64	1.69	1.33	3.96	2.211
February ....	.92	.06	2.53	3.44	4.25	.28	.71	2.62	2.12	1.79	1.892
March	1.83	1.51	1.08	.52	2.27	2.37	2.77	3.47	.73	1.22	1.717
April .....	.84	1.51	1.06	.61	2.18	2.02	1.32	1.50	2.24	1.93	1.521
May	3.07	2.52	2.40	2.04	1.18	.89	.50	.90	1.99	2.46	1.795
June	3.43	1.28	3.49	2.16	2.74	2.19	4.22	3.15	2.20	1.61	2.647
July	1.98	2.95	1.93	2.41	3.57	5.14	1.75	.64	.79	2.13	2.329
August	4.57	4.31	2.70	2.18	2.21	2.67	1.20	2.79	2.26	1.67	2.656
September	1.58	2.13	1.65	1.53	.62	1.53	4.40	2.33	.45	4.12	2.034
October	1.16	3.77	6.15	2.51	4.57	2.58	3.92	1.51	3.22	2.18	3.157
November	3.83	3.01	1.67	1.65	1.53	3.02	1.30	2.40	1.85	1.25	2.181
December	1.01	5.53	.78	3.00	1.79	3.14	2.86	3.36	2.62	2.52	2.661
TOTALS . . .	27.56	30.35	27.59	22.98	30.51	29.53	25.79	26.36	21.80	26.84	26.931

N.B. Rejected from survey as it is low.

RAINFALL AT

Brigley Gilstead Falls

Lat.

Lon.

County of *York W.L. Central*

Rain Gauge, by

Observer

J. Watson Esq. C.E.

Cuse. No. 9

Diameter ..	5										
Height	1 0										
Altitude ..	572 8										
Year	1900	1901	1902	1903	1904	1905	1906	1907	1908	1909	MEANS.
January ..	4.14	2.02	2.11	2.84	3.20	1.22	4.13	1.34	1.74	1.62	2.436
February ..	3.63	1.22	1.14	2.85	3.41	1.53	2.04	1.49	1.86	.92	2.009
March ....	.53	2.70	1.26	4.44	1.81	2.41	1.87	2.49	3.48	2.90	2.389
April	1.00	2.11	1.34	1.25	1.70	2.13	.91	1.75	2.47	2.56	1.722
May	1.26	1.03	2.01	2.18	2.85	.52	2.64	2.94	2.10	2.19	1.972
June	2.98	.87	1.10	1.46	1.53	2.28	2.16	4.04	1.14	2.80	2.036
July	5.67	.82	2.09	3.93	2.33	1.20	2.73	2.61	3.11	2.46	2.695
August	5.14	1.49	1.93	3.01	3.02	3.18	3.50	2.38	2.74	2.47	2.886
September ..	.70	1.08	1.70	4.41	.66	1.40	.52	.40	3.11	3.33	1.731
October	2.93	1.46	3.80	7.97	.82	2.38	4.76	5.08	2.25	2.49	3.394
November ..	3.06	3.92	2.34	2.01	2.37	3.80	2.42	2.08	2.42	.90	2.532
December ..	3.19	4.10	2.81	1.88	2.21	.62	2.30	3.11	1.82	3.84	2.588
TOTALS ..	34.23	22.82	23.63	38.23	25.91	22.67	29.98	29.71	28.24	28.48	28.390

N.B. Rejected from Survey as 14" low.

Hick

RAINFALL at Bingley Gilethead FiltersCounty of W.R. YorkshireObserver John Watson Esq. C.E.River Basin Ouse - Aire 9Whitwell Ry. Cl.Rain Gauge, by

Diameter ...	5										
Height	10										
Altitude ...	572 ft										
Year ...	1910	1911	1912	1913	1914	1915	1916	1917	1918	1919	MEANS.
January ...	3.53	1.12	4.20	2.80	1.44	4.03	2.62	2.68	2.80	3.95	
February ...	2.85	2.48	1.57	.98	2.54	3.96	4.66	.64	4.83	1.49	
March .....	.49	1.05	3.84	3.39	2.95	.80	3.79	2.09	1.49	4.45	
April	2.51	.96	.50	3.27	1.32	1.16	1.31	2.72	.83	1.61	
May	1.96	.98	2.13	2.55	.91	1.96	2.13	2.27	5.17	1.99	
June	2.28	2.83	6.00	1.26	2.44	1.09	2.20	1.90	1.22	1.07	
July	2.29	.22	3.52	.68	3.18	4.02	1.74	1.45	4.03	2.41	
August	3.87	1.75	5.53	1.64	2.12	4.44	2.40	4.77	2.15	2.35	
September ..	.19	2.59	1.29	1.44	1.51	.60	2.76	1.25	8.14	.97	
October ...	3.33	2.69	3.12	2.16	2.14	1.40	6.77	5.51	1.87	2.35	
November ..	3.44	2.63	2.13	2.60	4.79	2.05	3.59	3.01	1.68	2.60	
December ...	3.32	4.67	2.93	1.96	6.47	7.26	2.82	1.30	4.84	5.09	
TOTALS ...	30.06	23.97	36.86	24.73	32.01	32.77	36.79	29.59	38.76	30.33	

N.B. Rejected from survey as 4" low.

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

RAINFALL at Bingley Silstead - FitternCounty of N. YorksObserver L. Mitchell Esq. C.E.River Basin Guse - AireEng: Braaford

Snowdon - Neg. & Zambra (1924)

Rain Gauge, by BraafordW. Newlands, Esq. B.E. (1930)

5.02 } Good condition Glass correct
4.98 } made to 1/8 only.
5.00 }

Diameter ...	5"											
Height	1 0											
Altitude ...	572											
Year	1920	1921	1922	1923	1924	1925	1926	1927	1928	1929	1930	MEANS.
January ...	3.91	4.93	4.15	2.11	2.47	2.92	3.40	3.07	7.58	1.89	5.53	
February ...	2.23	0.8	3.07	5.36	.91	4.49	2.82	1.73	5.91	.62	1.19	
March	2.48	1.61	2.14	1.64	1.20	.88	1.27	3.05	2.92	.16	2.42	
April	2.98	1.23	2.74	2.44	1.83	2.66	1.51	2.66	1.11	1.16	4.76	
May	3.08	1.66	1.06	2.78	3.76	4.31	2.79	1.17	2.06	1.64	1.79	
June	1.68	.15	1.62	.61	2.03	.06	2.67	2.85	5.18	.97	1.85	
July	6.22	1.83	4.53	3.34	3.34	1.11	2.26	3.59	.87	2.48	4.96	
August	1.66	4.52	4.79	3.43	2.80	3.52	3.01	5.92	4.26	2.03	4.20	
September...	1.32	1.18	3.44	3.04	3.59	2.74	2.09	4.08	.58	.53	5.51	
October.....	2.96	2.17	.93	3.18	3.28	4.26	3.69	3.57	5.36	3.84	3.98	
November...	2.13	2.14	1.54	3.67	2.36	2.31	5.72	3.69	4.96	5.97	4.73	
December...	2.96	3.92	3.16	3.27	3.98	3.77	1.19	2.17	1.89	7.53	3.39	
TOTALS...	33.61	25.42	33.17	34.87	31.55	33.03	32.42	37.55	40.68	28.82	44.31	

Inspected B. 5.10.22. S. situated in flat plateau with shelter NW to E
near fitter beds. 14 yds W dist of 12 ft + 10 yds NE (smaller pit)
Suggested moving about 50 yds S to nearly opposite house to be further away
from smaller pit.

Gauge moved in April 1923 50 yards to SW.

N.B. Rejected from Survey as 4" low (1886-1930) Still about 2" low.

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	Parish Church.	Distance from gauge	Direction

RAINFALL at Bingley (Gilstead Filters)County of West RidingObserver Bradford Corp. W.W.River Basin Ouse - Aire - 9.W. Newlands Esq. C.E.Type of Gauge Snowdon.The Engineer Bradford W.W.

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

660554/26

Diameter	5.											
Height	1.0.											
Altitude	572.											
Year	1931	1932	1933	1934	1935	1936	1937	1938	1939	1940	Mean	Total
January	3.16	2.93	2.26	2.85	1.67	5.04	4.63	4.89	6.61	3.40	37.44	
February	3.35	.31	4.84	.20	4.81	2.89	6.37	1.69	3.22	2.33	30.01	
March	.36	2.01	1.83	2.98	1.65	2.26	3.62	.59	2.89	2.43	20.82	
April	3.70	3.00	1.92	3.21	3.56	1.56	2.75	.32	1.39	3.40	24.81	
May	2.88	4.64	2.97	1.79	1.07	1.87	2.47	4.08	1.07	.57	28.41	
June	5.46	.85	1.73	1.94	3.67	4.66	2.10	3.23	2.37	.52	26.53	
July	3.05	4.34	2.60	2.14	.85	3.12	2.16	3.69	6.45	2.83	31.23	
August	3.63	1.17	0.40	1.90	1.21	2.59	1.55	3.92	1.64	.74	18.75	
September	3.83	2.79	2.12	1.80	6.08	3.31	1.46	1.46	1.19	2.88	26.42	
October	1.29	4.90	3.72	3.53	7.34	2.79	2.40	6.49	3.47	4.28	40.21	
November	6.61	2.40	2.65	1.90	7.33	3.85	1.80	4.76	5.63	6.23	43.16	
December	1.31	1.57	0.52	5.74	3.33	3.37	2.53	4.70	1.13	2.85	28.05	
TOTALS	38.63	30.91	27.36	29.98	42.57	37.51	33.84	39.82	38.06	32.46	351.34	
	D	D	D	D	D	D	D	D	D	D	D	

Inspected June 1934:- Measure in use appropriate to a rainfall gauge. A higher measure was recommended
 Site seems satisfactory but to increase reliability of reading a huff wall was recommended
 1934. Huff wall set up on 1. 8. 34 according to request in 438 f.660554/26. - footrule (B.H.)

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. T.F. 3292

RAINFALL at § Birigley (Gibraltar Tithers)

41

County of West Riding Observer The EngineerRiver Basin Once Aired Bradford W.W.Type of Gauge ShawsonAnnual Average in. based on years obs. un-weighted. Period of average Ref.File No. 66554/26

Diameter	5"											
Height	1' 0"											
Altitude	572											
Year	1941	1942	1943	1944	1945	1946	1947	1948	1949	1950	Means	
											<u>Totals</u>	
January	3.96	4.16	5.52	5.00	3.47	3.99	3.30	7.93	1.56	2.34	41.23	
February	6.07	1.54	2.19	1.38	4.06	5.07	3.31	2.32	1.94	5.77	33.25	
March	4.04	3.15	.88	.39	.69	1.55	5.38	1.55	1.10	1.57	20.30	
April	2.48	1.83	2.25	3.52	2.04	1.32	3.49	2.32	2.98	3.20	25.63	
May	1.85	3.88	2.31	2.38	3.63	2.34	3.94	1.11	2.29	1.91	25.64	
June	.29	1.44	2.74	2.10	2.50	1.79	3.02	3.39	.42	.84	18.53	
July	1.76	1.89	1.85	3.70	2.54	3.96	1.41	1.18	3.16	2.04	24.49	
August	4.69	3.27	2.99	2.53	3.51	5.25	.27	3.48	3.37	4.84	34.26	
September	.48	2.43	3.91	5.18	1.77	5.60	1.71	1.47	.87	4.32	27.74	
October	4.41	3.94	2.41	3.62	5.36	.86	1.04	1.04	3.64	2.29	28.68	
November	3.46	1.36	2.42	5.71	.38	6.03	4.16	1.30	5.94	2.97	34.73	
December	1.34	2.26	1.88	4.20	1.88	3.12	3.50	3.69	5.90	2.02	29.79	
TOTALS	33.83	31.15	31.35	40.44	31.83	40.88	34.73	30.78	33.17	36.11	344.27	
	D	D	D	D	D	D	D	D	D	D	D	

§ Turf wall round gauge.

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.

BRITISH RAINFALL ORGANIZATION

Station No. 3292 *21 46*RAINFALL at 8 Bingley (Gilstead Tiltan)

51

County of West Riding - Yorks.Observer EE EngineerRiver Basin Duse - Aire - 9Bradford W.D.Type of Gauge Snowdon

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

Ref.

" " 34.66 " " 40 " " within 1916-57 " " 1916-50File No. 66554/26 E22802/55

Diameter ...	5"		0.75	3.49							
Height ...	1' 0"			1				1' 2"			
Altitude ...	572'			51							
Year ...	1951	1952	1953	1954	1955	1956	1957	1958	1959	1960	Means Totals
January ...	3.10	4.37	.59	3.17	2.40	5.04	2.58	3.57	3.64	5.11	33.57
February ...	3.49	.78	1.89	2.87	2.37	1.80	3.30	5.73	.30	3.19	25.72
March ...	3.54	1.83	1.06	2.34	2.66	1.74	2.17	2.09	1.47	2.06	20.96
April ...	1.66	1.95	2.54	.63	.85	2.96	.29	.83	3.65	1.45	16.83
May ...	4.10	1.63	1.29	3.11	2.52	.91	1.30	4.12	1.31	1.51	21.80
June ...	1.00	1.73	2.77	1.68	1.75	2.23	1.56	5.10	1.59	1.01	20.42
July ...	2.44	1.20	3.16	1.97	.81	4.71	2.86	3.36	2.67	4.58	27.76
August ...	4.52	4.05	3.04	7.12	.85	6.74	5.52	4.24	.73	3.52	40.33
September ...	2.23	2.85	3.00	3.35	1.50	3.53	4.67	3.34	.16	3.02	27.65
October ...	1.35	3.74	2.18	4.88	2.34	1.83	3.01	3.23	3.61	5.28	31.45
November ...	7.66	1.76	3.67	6.13	2.50	1.01	2.23	.86	4.45	6.46	36.73
December ...	5.38	2.95	1.54	4.34	4.41	3.82	3.98	4.51	7.09	3.95	41.97
TOTALS ...	40.49	28.84	26.73	41.59	24.96	36.32	33.47	40.98	30.67	41.14	345.19
	D	D	D	D	D	D	D	D	D	D	

1956. File part 1st M.O.B. by agrees.

Imp. Mr. O'Hare 25.9.58 over-capped all direction but satisfactory turf wall.

8 Turf wall.

(Hh)

Position of Station on Ordnance One-Inch map :

No. of Map 96National Grid Reference SE 118303

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

Summary of Earlier Records from 10-year Sheets :

Record D, or d	1910-19	1920-30	1931-40	1941-50	1951-60
	✓	✓	✓	✓	
	-	✓ but - 20-24	✓	✓	