

RAINFALL AT Laverdale Bagwith Brae

Lat. _____

Law.

County of York

Rain Gauge, by

Observer J. Hewson Esq. C.E.

Use the 12

[illegible]

RAINFALL AT *Kirkby Malzeard Bagwith Brae*

Lat. _____

Lon. _____

County of *York W.R.*

Rain Gauge, by _____

Observer *J. Hewson Esq. C.E.*

Case No 12

Diameter	8											
Height	0 9											
Altitude	697	ft										
Year	1890	1891	1892	1893	1894	1895	1896	1897	1898	1899	MEANS.	
January	5.41	2.04	2.14	2.35	4.60	7.78	1.05	2.03	1.37	5.51	3.428	
February	1.20	.06	4.33	5.29	5.78	1.78	.65	3.74	2.03	2.39	2.725	
March	2.92	2.05	2.13	.51	2.84	3.27	3.70	5.76	1.79	1.72	2.669	
April	1.42	3.67	2.08	.59	3.52	2.89	1.58	1.87	3.42	3.38	2.445	
May	2.73	2.77	3.09	2.47	2.15	.61	.64	1.29	2.69	4.40	2.284	
June	3.59	1.00	4.63	1.84	3.97	2.55	3.33	2.68	2.18	1.66	2.743	
July	1.73	3.40	1.51	1.84	3.37	5.13	2.04	1.11	.90	1.82	2.285	
August	5.15	5.13	4.22	3.07	2.28	2.22	2.04	3.86	3.25	1.71	3.295	
September....	2.05	2.67	1.58	1.71	.77	1.56	6.00	2.09	.87	4.39	2.369	
October	1.04	4.40	8.36	2.52	5.92	3.92	5.12	1.72	6.98	3.20	4.318	
November....	3.73	4.23	1.64	2.07	2.29	6.14	1.74	2.14	3.99	2.69	3.066	
December	1.58	5.24	.77	3.63	2.77	3.71	4.92	4.14	3.72	3.51	3.399	
TOTALS . . .	32.55	36.66	36.48	27.89	40.26	41.56	32.81	32.43	33.19	36.38	25.021	

RAINFALL AT Kirkby Malzeard Bagwith Brae
 Lat. Lon. County of York W.R. Northern
 Rain Gauge, by Observer J. Hanson Esq. Ch.
C. G. Hargreaves Esq. Ch.

Line-12.

Diameter ..	<u>x 8</u>											
Height	<u>0 9</u>											
Altitude ..	<u>697 ft</u>	<u>703 ft</u>										
Year	1900	1901	1902	1903	1904	1905	1906	1907	1908	1909	MEANS.	
January ..	4.41	1.81	1.25	3.78	3.56	1.00	4.51	1.17	2.19	1.41	2.509	
February ..	7.87	1.67	1.70	3.09	3.88	1.53	2.19	2.08	2.26	.98	2.725	
March	1.12	2.99	1.19	4.83	2.69	2.72	1.66	2.47	4.79	6.89	3.135	
April	1.97	2.45	1.69	1.58	1.99	3.24	.62	1.68	2.28	3.07	2.052	
May	2.40	1.50	2.38	5.46	3.75	.39	3.45	4.25	2.82	1.91	2.831	
June	2.92	1.70	1.64	3.27	1.34	1.44	1.20	5.08	3.32	2.16	2.407	
July	1.95	2.14	2.34	3.42	1.85	.65	1.00	1.91	3.06	3.33	2.165	
August	7.15	1.56	2.54	3.50	3.53	4.09	3.27	1.75	2.40	3.73	3.352	
September ..	.90	1.26	1.63	4.43	1.51	2.62	.74	.56	3.11	2.23	1.899	
October	5.85	1.53	3.22	9.70	.94	1.93	6.78	7.06	2.37	3.15	4.253	
November ..	4.31	3.96	2.83	1.80	2.30	6.64	3.68	2.74	1.85	1.10	3.121	
December ..	3.35	3.88	3.01	2.46	2.26	.91	2.13	4.45	1.44	5.36	2.925	
TOTALS ..	44.20	26.45	25.42	47.27	29.60	27.16	31.23	35.20	31.89	35.32	33.374	

1906 not printed

1907 "

1908 "

1909 "

28. 11. 06. Inspection note by Dr. Hill:—

* Glaucon, upper part sound but in somewhat crumpled.

Lower part, outer can wants hydraulic joint gallery.

Set 6 in. above ground

Canella 5 in. No 8323, perfect order, set at 11 in.

Grass in usual circular enclosure too long.

RAINFALL AT *Kilby Malgeard Baginbun*

Lat.

Lon.

County of *York W.R. Northern*

Rain Gauge, by

Observer *J. Newton Esq. C.E.*

C. G. Hensell Esq. C.E.

11-12.

Diameter ..		5									
Height		09									
Altitude ..		703K									
Year	1900	1901	1902	1903	1904	1905	1906	1907	1908	1909	MEANS.
January ..		1.81	1.22	3.90	3.65	1.00	4.51	1.11	2.19	1.36	
February ..		1.64	1.59	3.48	3.90	1.46	2.24	1.73	2.24	.99	
March		3.06	1.11	5.49	2.60	2.72	1.67	2.44	4.53	6.16	
April		2.45	1.66	1.48	2.03	3.08	.58	1.81	2.24	3.16	
May		1.51	2.40	5.94	3.72	.39	3.42	4.30	2.70	1.84	
June		1.69	1.62	3.17	1.33	1.48	1.19	5.14	3.26	2.43	
July		2.18	2.34	3.44	1.86	.61	1.00	1.91	3.06	3.40	
August		1.51	2.54	3.47	3.54	4.04	3.27	1.76	2.23	3.74	
September ..		1.24	1.61	4.44	1.53	2.61	.72	.56	3.01	2.18	
October		1.53	3.33	9.69	.94	1.94	6.32	7.05	2.34	3.36	
November ..		3.98	2.68	1.77	2.27	6.59	3.74	2.74	1.91	1.26	
December ..		3.73	3.30	2.51	2.19	.92	2.04	4.45	1.38	5.19	
TOTALS ..		26.33	25.40	48.78	29.56	26.84	30.70	35.00	31.09	35.07	

+ Inspected see previous sheet.

RAINFALL at Kirkby Malzeard Bagwith BraeCounty of W. R. YorkshireObserver C. G. Henszell Esq. C.E.River Basin Ouse - Ure 12

Rain Gauge, by _____

Diameter ...	8										
Height	0 9										
Altitude ...	703 ft										
Year ...	1910	1911	1912	1913	1914	1915	1916	1917	1918	1919	MEANS.
January ...	4.87	1.68	5.40	5.08							
February ...	2.87	2.30	2.15	1.50							
March .....	.67	1.75	3.66	4.55							
April	3.12	1.28	.24	3.84							
May	2.55	1.41	3.15	2.22							
June	2.28	2.72	7.71	1.50							
July	2.89	.38	4.41	.98							
August	4.87	2.87	6.36	1.51							
September ..	.49	2.42	2.05	1.76							
October ...	3.92	3.89	3.16	3.31							
November ...	3.53	4.99	2.14	3.00							
December ...	4.17	5.69	3.52	1.76							
TOTALS ...	36.23	31.38	43.95	31.01	N.R.						

1910 not printed
1911 -

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

049 840

10³³⁸

RAINFALL at

Kirkby Malzeard Ragwish Brae

County of W.R. Yorkshire

Observer C. H. Hengell Esq. C.E.

River Basin Ouse. Ure 12

Rain Gauge, by

Diameter ...	5										
Height	0.9										
Altitude ...	703 ft										
Year ...	1910	1911	1912	1913	1914	1915	1916	1917	1918	1919	MEANS.
January ...	5.30	1.58	5.18	4.26	1.83	5.54	2.17	2.79	2.92	4.80	
February ...	3.06	2.42	2.16	1.59	3.70	5.27	4.15	.84	4.45	3.83	
March .....	.68	1.74	4.08	4.71	2.49	1.09	5.39	2.41	1.59	4.45	
April	3.20	1.26	.24	3.86	.95	1.17	1.67	1.79	1.06	3.41	
May	2.54	1.38	3.05	2.26	1.84	2.52	3.37	2.05	2.85	1.27	
June	2.32	2.95	7.58	6.60	2.64	.24	1.90	2.03	.75	.55	
July	3.09	.35	4.48	1.18	2.15	4.89	2.45	1.20	3.74	.82	
August	4.94	2.76	6.28	1.48	1.76	3.10	1.87	8.42	2.61	1.65	
September ..	.49	2.49	1.95	1.75	1.79	.51	2.73	1.01	7.87	1.26	
October ...	3.87	3.94	3.22	3.34	2.29	1.52	6.44	4.59	2.98	4.48	
November ..	3.68	5.07	2.03	3.01	4.88	2.33	4.04	2.42	2.14	3.63	
December ...	4.14	5.40	3.57	1.57	8.71	8.24	2.68	1.76	5.39	5.10	
TOTALS ...	37.31	31.34	43.82	30.61	35.03	36.42	36.86	31.31	38.35	35.25	

+ Inspected

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

RAINFALL at Stinkby Malycard Pagwith DrainCounty of W. YorkshiresObserver L. G. Hengell Esq. C.E.River Basin Guse - Ure 12(1925) H. Sharnood Esq. C.E.{ 4.95
5.05
5.00Cu. Inverdon Rain Gauge, by Casella
no bottom to outer can 8323
glass correct VII.23.downing Leads

Diameter ...	5											
Height	0.9											
Altitude ...	703											
Year	1920	1921	1922	1923	1924	1925	1926	1927	1928	1929	1930	Means.
January ...	4.22	4.78	4.15	2.24	2.12	4.53	(5.58)	2.35	6.56	1.64	5.57	
February ...	2.09	.26	3.06	5.72	.76	4.52	2.19	1.81	5.17	1.08	1.43	
March	2.92	1.90	2.63	1.41	1.57	1.09	(1.58)	1.87	5.46	.20	3.02	
April	5.56	1.06	3.65	2.37	2.09	2.61	(1.72)	2.22	.98	1.51	3.95	
May	3.37	1.66	.71	2.91	6.14	3.29	2.11	1.54	2.47	1.78	1.19	
June	1.12	.57	1.47	.68	1.98	.10	3.40	2.03	4.26	.95	2.01	
July	5.79	1.81	6.98	2.74	4.62	1.21	2.34	5.60	.76	3.22	6.26	
August	1.35	4.50	4.26	3.61	2.66	2.77	(2.59)	3.84	4.05	2.45	3.06	
September...	.96	1.64	3.44	1.98	4.47	2.39	2.66	4.44	.38	1.02	6.69	
October.....	3.45	1.81	1.09	3.43	4.50	3.44	2.60	4.36	5.51	3.44	3.25	
November...	1.72	2.55	.67	4.46	2.14	2.05	6.86	3.71	4.46	4.50	5.10	
December...	3.84	3.67	3.44	2.08	4.96	4.18	(2.00)	3.36	2.11	3.25	2.82	
TOTALS...	36.39	26.21	35.55	33.63	38.01	32.14	36.64	43.13	38.07	30.04	44.35	

Dec. 1924 short
 1926. Jan. Mar. Apr. Aug. & Dec. adjusted by maps.
 1927. Oct. 11. 2. moved 80 yds. N.E.
 Inspected 75. 5.VII.23 5. in grass meadow. Different shells on E and N
 but open to S and W. Ditch of 20 fts in 20 yds to W but some shells beyond.
 Suggested having 70-80 yds ^{bullets} from road to get more shells on W + S.
 S. 65 N of road about 10 yds in wire railings.

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 Kirby Malzeard (Bagwith Brae)

County of West Riding Observer H. Shortreed, Esq., &c.
River Basin Ouse - Ure - 12 W. L. Fensholt, Esq., &c. (1929)
Type of Gauge

Annual Average 32.9 in. based on 30 years obs. un-weighted. Period of average 1881-1915 Ref. 3
780902/27

Diameter	s.										
Height	0.9.										
Altitude	703.										
Year	1931	1932	1933	1934	1935	1936	1937	1938	1939	1940	Means
January	1.75	3.07	2.39	2.59	1.84	4.21	4.78	5.25	5.84	1.57	33.89
February	2.49	.70	4.70	.13	5.25	3.75	5.52	1.36	2.39	4.17	30.46
March	.79	2.15	2.39	3.35	.96	2.42	3.87	.34	2.62	1.92	20.81
April	4.34	2.75	1.24	4.01	3.44	1.83	4.20	.13	1.74	2.45	26.18
May	3.36	6.21	2.92	1.85	1.00	2.29	3.21	3.09	1.54	1.44	26.91
June	4.57	1.26	1.05	1.78	3.28	5.45	2.18	3.84	2.98	.43	26.82
July	4.73	3.90	2.42	.75	.50	3.80	2.04	2.61	4.91	5.35	32.06
August	4.05	1.96	0.26	2.27	1.58	2.69	1.51	4.43	2.24	.57	21.56
September	4.95	2.03	1.98	2.21	6.13	3.10	1.32	2.19	1.35	1.58	26.84
October	1.16	4.05	3.85	3.76	5.70	2.17	2.85	6.95	4.17	4.07	38.73
November	4.85	2.15	3.61	2.92	6.88	3.47	2.42	5.37	4.42	5.38	41.47
December	1.66	1.58	0.44	6.97	2.60	3.13	3.88	4.37	1.54	2.28	28.50
TOTALS	38.75	31.81	27.25	32.59	39.16	38.96	37.78	40.98	35.74	31.21	354.23

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	Direction

Station No. T.F. 2381RAINFALL at Killy Malzeard (Baginbun Brass)

41

County of West Riding Observer K. H. Forster Esq CERiver Basin Ouse - UreType of Gauge Annual Average 32.9 in. based on 30 years obs. un-weighted. Period of average 1881-1915 Ref. SFile No. 780902127

Diameter	5"											
Height	0' 9"											
Altitude	703'											
Year	1941	1942	1943	1944	1945	1946	1947	1948	1949	1950	Means	Totals
January	4.59	3.50	5.34	3.74	4.01	3.27	2.37	8.55	1.10	1.89	38.36	
February	3.32	3.70	2.32	1.86	4.50	2.61	6.69	1.63	2.02	5.82	39.47	
March	3.68	3.08	1.37	.50	.87	1.69	8.29	1.34	1.00	1.41	23.28	
April	2.64	1.73	1.15	2.59	1.75	2.12	4.79	2.89	3.27	2.91	26.44	
May	2.05	2.32	2.79	.96	4.20	4.30	3.10	1.32	1.39	1.71	24.14	
June	.19	1.08	2.85	2.88	2.85	2.68	4.63	3.62	.71	1.07	22.56	
July	1.76	3.28	1.74	2.49	2.51	2.88	2.05	1.22	1.94	2.74	22.63	
August	2.64	3.28	3.96	2.03	3.57	6.92	1.05	4.94	3.33	4.89	36.61	
September	.37	2.32	4.47	6.15	2.43	6.46	1.94	2.05	1.70	3.74	31.63	
October	4.67	2.92	2.09	3.88	5.63	2.74	1.20	1.01	4.39	1.82	29.95	
November	4.22	1.84	2.23	6.99	1.07	7.26	2.31	1.15	4.82	5.17	37.06	
December	1.52	3.23	1.88	3.05	2.68	3.28	3.25	3.96	4.78	1.34	28.97	
TOTALS	36.67	31.88	32.79	37.12	36.07	41.21	41.67	33.68	30.45	34.51	361.05	

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. 3381 *25 41*RAINFALL at 8 Kirkby Malwood (Bagwith Brook) **51**County of West Riding - Yorks.Observer H. E. Forster, Eng. C.E.River Basin Ouse - Tre - 12Type of Gauge M.O.Annual Average 32.9 in. based on 30 years obs. un-recighted. Period of average 1881-1915 Ref. S
" " 38.59 " " 18 " within 1937-57 " " 1916-58 E 23390/58File No. 780/2727

Diameter ...	5"										
Height ...	0'9"										1'0"
Altitude ...	703'										
Year ...	1951	1952	1953	1954	1955	1956	1957	1958	1959	1960	Means
January ...	2.75	2.68	.76	4.37	2.78	4.50	3.34	3.95	3.91	5.77	34.81
February ...	3.12	.48	2.85	2.49	1.77	2.55	3.19	5.95	.20	2.97	25.57
March ...	3.79	2.26	.47	2.57	2.19	1.41	2.17	3.29	2.20	3.67	24.22
April ...	1.82	1.74	3.43	.49	1.32	2.46	.34	.99	4.41	1.56	18.56
May ...	8.18	2.15	2.09	5.44	2.84	1.09	1.46	5.82	1.00	1.99	32.11
June ...	1.11	1.60	3.81	2.12	2.71	3.57	1.34	4.39	1.42	0.98	23.05
July ...	1.74	1.54	3.80	2.37	.89	6.22	3.23	3.05	2.76	5.36	30.96
August ...	5.42	4.26	3.21	6.58	1.04	7.51	7.78	3.58	.88	3.80	44.06
September ...	1.67	4.37	2.84	3.48	1.78	4.89	5.49	3.77	.19	2.93	31.41
October ...	1.86	3.29	3.01	6.22	2.59	1.58	3.81	2.87	3.30	6.72	35.25
November ...	8.96	3.44	3.26	6.30	3.33	.74	2.76	.94	5.01	5.47	40.21
December ...	3.96	3.30	2.35	3.40	4.71	3.60	2.48	5.69	7.34	4.37	41.20
TOTALS ...	44.38	31.11	31.88 np. by	45.88	27.95	40.12	37.39	44.29	32.62	45.79	381.41

Note II 1959 J.B.O.K. g. moved. Slightly over-exposed SW-S. but turf-wall effective. Mountain Ash NW. NW. many over-sheltered.

8 Turf-wall

Position of Station on Ordnance One-Inch map :

No. of Map 91National Grid Reference SE 195747

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
	✓	✓	✓	✓	