

RAINFALL AT

Bank Newton Banks Hill

80

Lat. $53^{\circ} 58' 6''$

Lon. $2^{\circ} 8' 16''$

County of *York*

Raise - *Ans 9*

Rain Gauge, by

Observer *Leeds & Liverpool Canal Co
R. White*

Diameter			8									
Height			1.0									
Altitude			545									
Year	1880	1881	1882	1883	1884	1885	1886	1887	1888	1889	MEANS.	
January			3.25	5.41	5.97	1.89	4.60	1.45	1.49	2.07		
February			2.85	2.36	3.27	2.29	.68	1.37	.47	2.22		
March			4.09	.61	2.12	1.71	3.05	1.03	1.73	2.45		
April			3.63	2.11	1.36	1.48	2.99	1.11	1.59	1.74		
May			1.75	.63	1.87	2.12	3.24	1.84	.98	2.23		
June			4.46	4.64	.34	2.56	1.92	.33	2.43	.62		
July			4.63	3.34	4.81	1.67	3.69	2.15	4.54	2.99		
August			3.90	2.26	2.12	1.21	1.66	1.79	3.03	4.43		
September....			2.91	7.77	2.02	4.07	3.35	5.54	.83	1.51		
October			4.40	5.89	2.51	3.89	5.04	2.15	.88	3.93		
November			5.81	3.57	1.56	2.05	3.04	1.90	6.28	1.57		
December			2.98	2.71	5.29	1.63	4.28	2.05	2.41	2.11		
TOTALS ...			44.66	41.30	33.18	26.57	37.54	22.71	26.66	27.87		

Lat $53^{\circ} 58' 6''$

Long. $2^{\circ} 8' 16''$

RAINFALL AT *Bank Newton Bank Hill*

Lat. $53^{\circ} 58' 6''$

Lon. $2^{\circ} 8' 16''$

County of

York

Rain Gauge, by

Observer *Leeds & Liverpool Canal Coy*
R. H. White

Case. Air 9

Diameter	8											
Height	1.0											
Altitude	545											
Year	1890	1891	1892	1893	1894	1895	1896	1897	1898	1899	MEANS.	
January	4.23	2.76	2.48	.77	4.49	2.20	1.74	1.17	3.04	5.23	2.811	
February ....	.46	.29	2.12	4.28	6.08	.15	1.19	2.54	2.82	1.63	2.156	
March	2.75	1.99	.72	1.31	4.15	2.71	5.09	4.06	1.49	1.71	2.598	
April	1.20	1.19	1.35	.70	1.81	2.17	1.79	2.10	2.84	2.76	1.791	
May	2.38	2.24	3.58	2.31	1.98	.84	.30	1.89	2.15	2.86	2.053	
June	2.71	.80	3.76	3.06	2.84	2.78	2.00	4.03	2.16	.65	2.499	
July	3.10	3.72	1.64	3.46	3.60	5.97	2.30	1.52	.49	1.90	2.770	
August	6.89	5.95	6.50	4.56	3.46	4.03	1.62	6.35	3.87	1.65	4.488	
September....	1.93	2.98	3.42	3.68	.33	2.05	4.89	3.97	.69	4.41	2.805	
October	3.34	3.85	5.66	4.83	3.65	4.81	3.09	2.05	2.86	2.43	3.657	
November....	4.83	3.52	2.08	2.34	3.11	3.43	.83	3.65	2.72	1.98	2.849	
December ....	.52	6.65	1.96	3.96	3.32	3.82	3.88	4.66	4.33	2.63	3.573	
TOTALS	34.34	35.94	35.27	35.26	38.82	34.96	28.72	37.99	29.46	29.84	34.060	

RAINFALL AT *Gargrave Banks Hill Bank Newton*

Lat. *N 53° 58' 6"*

Lon. *W 2° 8' 16"*

County of *York W.R. - Central*

Rain Gauge, by

Observer *Leeds & Liverpool Canal Co*

R.H. White Esq

Cise - Cise 9

Diameter	8										
Height	10										
Altitude	545										
Year	1900	1901	1902	1903	1904	1905	1906	1907	1908	1909	MEANS.
January	3.64	2.01	2.43	4.27	3.22	1.38	4.61	1.68	3.80	1.85	2.889
February	2.26	.82	1.18	4.28	4.24	1.41	2.84	2.29	2.12	1.72	2.316
March	.26	1.96	1.74	5.82	1.66	2.86	3.38	3.25	3.16	2.78	2.687
April	1.53	1.08	1.77	1.33	2.81	1.96	1.11	1.36	1.66	4.15	1.876
May	1.45	.96	2.04	2.29	2.40	.76	4.66	3.88	4.23	2.78	2.545
June	2.91	1.01	1.23	1.53	1.81	3.41	2.14	5.65	2.23	3.17	2.509
July	2.61	1.54	2.76	4.87	1.18	1.38	1.72	2.71	3.98	4.58	2.733
August	3.70	2.07	1.91	4.07	3.91	3.85	3.61	4.00	2.92	3.92	3.396
September	1.74	.88	.99	4.26	.60	2.20	.87	.72	4.81	2.71	1.978
October	4.93	2.53	3.43	8.31	1.46	2.57	5.79	3.48	2.16	4.19	3.885
November	3.64	4.33	2.07	2.34	3.06	3.01	3.85	2.52	2.55	1.30	2.867
December	3.96	4.01	3.37	2.23	2.58	1.23	2.32	5.52	2.60	5.41	3.323
TOTALS	32.63	23.20	24.92	45.60	28.93	26.02	36.90	37.06	36.22	38.56	32.004

H.W.

RAINFALL at Gargrave Banks Hill Bank NewtonCounty of W. YorkshireObserver Leeds Liverpool Canal CoRiver Basin Don-Aire 9

Rain Gauge, by _____

Diameter ...	8										
Height	10										
Altitude ...	545										
Year ...	1910	1911	1912	1913	1914	1915	1916	1917	1918	1919	MEANS.
January ...	5.80	3.12	3.32	3.86	2.67	5.26	4.36	2.34	3.53	5.78	
February ...	4.62	4.55	1.85	2.03	3.17	4.37	4.28	.77	6.10	1.71	
March .....	.86	2.10	4.71	5.61	4.44	1.13	2.49	1.96	1.40	4.57	
April	2.43	1.82	.89	4.29	.99	1.58	2.33	1.94	1.09	1.82	
May	2.05	3.06	1.94	2.73	1.87	1.91	2.47	1.83	1.64	1.87	
June	2.50	3.15	6.21	2.36	1.63	.99	2.45	3.58	1.60	1.33	
July	3.61	.74	3.81	1.08	2.71	4.40	3.68	1.59	5.00	2.22	
August	5.36	2.51	6.64	1.66	2.56	3.45	3.50	6.28	2.79	3.52	
September ..	.54	3.59	2.12	1.60	2.06	1.34	2.56	2.95	9.54	2.01	
October ...	2.42	3.51	3.94	1.66	2.12	1.03	8.90	5.66	3.27	2.28	
November ...	5.48	3.95	2.67	4.38	4.84	1.43	3.10	2.96	2.48	2.44	
December ...	4.11	5.26	5.14	2.83	6.37	5.75	2.91	2.23	7.40	6.10	
TOTALS ...	39.28	37.36	43.24	34.09	35.43	33.04	43.03	33.99	45.89	35.35	

Date.	Lat. N.	Long.	Railway Station.	Distance.	Direction.	Church.	Distance.	Direction.
	53° 55' N	2° 8' 16' W						

RAINFALL at Sargrave Banks Hill Bank NewtonCounty of W. B. YorkshireObserver Leeds & Liverpool Canal CoRiver Basin Buse-Aire 9per 2 DansonRain Gauge, by 127Av 1891-1915 35.5

Diameter ...	6											
Height	1 0											
Altitude ...	545											
Year	1920	1921	1922	1923	1924	1925	1926	1927	1928	1929	1930 Means	
January ...	4.42	7.75	3.90	3.35	3.71	4.30	4.94	(2.61)	8.53	1.53	5.57	
February ...	3.11	5.7	6.63	5.51	1.10	8.24	4.29	1.25	4.75	.89	4.7	
March	3.26	3.58	3.19	1.97	1.57	1.17	1.39	3.35	2.32	.56	1.77	
April	4.31	1.44	2.85	4.00	1.75	3.05	1.81	2.36	0.74	1.08	2.69	
May	4.68	2.26	1.19	4.24	6.19	5.30	2.64	1.62	1.18	1.95	1.36	
June	2.04	.35	2.14	1.15	4.32	.11	2.18	2.90	4.71	1.21	2.08	
July	7.88	2.34	5.88	4.95	5.36	1.39	2.96	5.78	1.65	2.58	5.78	
August	2.51	5.41	5.74	5.54	6.96	5.90	3.95	6.94	7.57	5.07	3.88	
September...	1.82	2.48	4.06	5.08	4.36	3.76	3.21	(5.56)	.92	1.47	2.21	
October	1.99	2.78	1.38	6.16	4.58	5.60	3.80	3.62	4.56	5.28	4.65	
November...	3.32	3.40	2.30	6.19	3.37	3.02	6.52	3.56	5.21	5.95	4.45	
December...	3.89	6.95	4.65	4.04	5.58	5.67	1.04	(1.57)	2.74	8.60	3.29	
TOTALS...	43.23	39.31	43.91	52.18	48.85	47.51	38.73	(42.13)	44.48	36.17	38.20	

1927. Jan. Sept. & Dec. corrected by current data.

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 from gauge	Parish Church.	Distance from gauge	Direction from gauge
1920	53° 58' 6"	2° 8' 16"						

RAINFALL at Gargrave (Banks Hill Bank N.W. N.)County of West Riding Observer Leeds & L'pool Canal Co.River Basin Ouse-Aire-9.Type of Gauge GlaisherAnnual Average 35.5 in. based on 49 years obs. un-weighted. Period of average 1881-1915 Ref 3

749124/27

Diameter	8.											
Height	1.0.											
Altitude	545.											
Year	1931	1932	1933	1934	1935	1936	1937	1938	1939	1940	Means	
January	2.82	4.68	2.26	3.55	1.42	3.67	3.72	5.70	5.68	5.7		
February	3.69	.10	3.96	.26	6.79	1.92	5.52	1.55	3.17	2.05		
March	.69	2.46	1.98	2.42	1.63	1.97	1.48	1.08	1.84	2.47		
April	2.52	3.27	1.37	1.89	2.74	.76	2.67	.59	1.50	2.47		
May	2.29	3.84	1.56	2.69	1.13	.77	2.38	3.54	0.76	2.25		
June	5.32	1.68	2.04	2.66	3.38	3.46	1.93	3.67	4.10	.67		
July	3.92	6.73	2.02	1.99	1.31	3.81	2.51	3.73	6.73	3.87		
August	3.79	1.06	1.11	2.81	1.63	3.13	2.16	5.66	2.05	1.38		
September	1.97	4.11	1.92	3.03	6.13	5.19	1.63	1.11	0.86	3.57		
October	1.89	6.43	3.25	4.35	8.71	3.89	3.89	10.25	1.81	3.74		
November	6.84	2.34	1.50	1.40	4.00	4.20	1.03	5.10	5.50	5.10		
December	1.89	2.15	0.48	5.32	2.98	4.25	2.00	4.06	5.71	2.64		
TOTALS	37.63	38.85	23.45	32.37	41.85	37.02	30.89	46.04	37.81	30.78		

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 from gauge	Parish Church.	Distance from gauge	Direction from gauge

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

Station No. 3307

RAINFALL at Gargrave (Barnes Hill Branch Meteor)

41

County of West Riding

Observer Linda T. Paul Canal Co

River Basin A. & A. H. C.

Dress & Edward W. G. W. W. W. W. W.

Type of Gauge Glancho

Annual Average 35.5 in. based on 42 years obs. un-weighted. Period of average 1881-1915 Ref. S.

File No. 670003/26
7.4.7.1.24/27

Diameter	8"		274	157							
Height	1' 0"			1							
Altitude	545'			41							
Year	1941	1942	1943	1944	1945	1946	1947	1948	1949	1950	Means
January	85	3.33	5.49	5.57	(3.58)	4.33	(4.50)	7.45	1.96	1.42	
February	3.04	1.36	2.86	1.65	4.90	4.41	(3.60)	2.21	7.49	6.16	
March	2.96	2.81	1.27	.43	1.82	1.20	(6.50)	1.70	1.56	1.89	
April	1.31	1.20	2.51	3.15	2.99	1.38	3.79	1.61	3.54	2.67	
May	1.59	2.73	3.40	2.10	4.34	1.17	3.47	1.28	2.34	1.62	
June	.64	.94	3.16	2.80	(4.58)	2.89	2.37	3.64	.73	3.41	
July	1.76	3.79	2.91	3.65	2.34	4.19	3.97	.96	2.85	3.94	
August	5.78	4.30	5.97	1.75	(3.33)	7.41	.36	4.20	3.16	6.22	
September	.70	2.66	4.33	6.27	2.53	6.17	2.71	2.93	1.29	6.23	
October	6.40	4.64	3.61	4.23	6.18	1.27	.83	1.92	4.75	2.67	
November	2.52	1.64	2.66	7.35	.49	5.91	5.41	2.26	4.29	4.31	
December	1.80	4.56	2.37	3.47	2.16	3.58	3.00	3.16	6.23	1.83	
TOTALS	29.68	33.96	40.43	42.42	39.24	43.91	(40.51)	33.32	35.19	41.96	

S. h.p. to wind 478. H2.

1907 from 20' high 1/2 mi. S.E.

1946 N.P. low. 1947 n.p. low. Jan. Feb. Mar. used for snow.

1947 Eng. unable to account for low readings, but record will not be printed in B.R. 1947

1948 n.p. low.

1948 & this is very low? No

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
JUNE 1947			GARGRAVE	1 1/2 mi.	E.	GARGRAVE	1 1/2 mi.	E.

BRITISH RAINFALL ORGANIZATION

RAINFALL at *Gargrave (Banks Hill Bank)* Station No. *3307* **BRITISH** 51
 County of *West Riding - Yorks* Observer *Duckworth Waterways*
 River Basin *Cuse - Aire - 9*
 Type of Gauge *Glaisher*

Annual Average *35.5* in. based on *49* years obs. ~~un~~-weighted. Period of average *1881-1915* Ref *S*
 File No. *6700/3/26* *E 16427/15*
729/24/27

Diameter ...	8"										
Height ...	1'0"							11"			
Altitude ...	545'										
Year ...	1951	1952	1953	1954	1955	1956	1957	1958	1959	1960	Means
January ...	3.59	3.83	1.70	3.84	2.12	4.44	5.42	4.63	(3.38)	4.81	
February ...	2.84	.95	1.87	3.00	1.63	1.39	3.99	6.00	.31	2.25	
March ...	3.87	1.93	1.17	2.73	2.08	(1.87)	3.49	1.70	1.81	1.00	
April ...	2.20	2.25	2.34	1.04	1.35	3.16	.78	1.50	2.02	1.99	
May ...	1.52	1.36	1.44	3.23	3.77	2.23	2.00	5.57	.48	1.52	
June ...	1.41	2.49	2.79	3.20	2.72	4.23	2.50	5.17	2.08	2.12	
July ...	1.80	1.98	5.40	4.88	1.42	5.54	6.23	3.50	1.98	8.48	
August ...	4.54	4.50	5.10	6.53	1.47	9.38	6.51	5.02	.46	4.90	
September ...	2.67	3.09	3.51	4.82	3.10	5.21	6.50	5.16	.22	3.84	
October ...	1.23	3.73	1.72	7.58	2.74	2.69	6.42	4.16	4.38	4.86	
November ...	5.53	1.52	4.75	5.59	2.89	1.83	2.32	1.80	4.63	8.97	
December ...	7.07	3.64	1.91	5.89	6.34	5.41	4.59	5.11	6.79	5.49	
TOTALS ...	38.37	31.27	33.70	51.81	31.63	47.38	50.75	49.52	28.54	59.23	
	d	d	d	d	d	d	np	np	np	np	

1951. Farm house 20' higher 1/4 m. S.E. 10004 40004
 1956. March part est.
 1957. Poor inspection report. 1959. - np lns
 1960. np lns
 1961. Poor inspection report.

An av. 35.88 in based on 38 yrs. obs. within 1916-57. 3 in. low. Period 1916-50. Rejected

Position of Station on Ordnance One-Inch map: No. of Map *95* National Grid Reference *SD 910 525*

Date.	Lat. N.	Long.	Railway Station.	Distance Direction from gauge	Parish Church.	Distance Direction from gauge.
1951			Gargrave	1 1/2 m E	Gargrave	1 1/2 m E

Summary of Earlier Records from 10-year Sheets:

Record D, or d	1910-19	1920-30	1931-40	1941-50	1951-60
	✓	✓	✓	✓ np 45-48	