

## RAINFALL AT Bank Newton Banks Hill

Lat.  $53^{\circ} 58' 6''$  Long.  $2^{\circ} 8' 16''$ 

County of York

Acre - Acre 9.

Rain Gauge, by

Observer Leeds & Liverpool Coal Co  
R. Hartley

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	2.46			
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 Banks Hill  
 Lat.  $53^{\circ} 58' 6''$  Lon.  $2^{\circ} 8' 16''$  County of York

Rain Gauge, by

Observer Leeds & Liverpool Canal Co.  
 R. A. White

ouse. Ave 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	2.64	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	2.098
April .....	1.20	1.19	1.35	.70	1.81	2.17	1.79	2.10	2.84	2.76	1.791
May .....	2.88	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	2.494
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	3.659
November .....	4.83	3.52	2.08	2.34	3.11	3.43	.83	3.65	2.72	1.98	2.819
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 Barnet Newton

Lat. N. 53° 58' 6"

Long. W. 2° 8' 16" County of York W.R. - Central

Rain Gauge, by

Observer Leeds &amp; Liverpool Canal Co

R.H. White Esq

House - Site 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	38.004

Hub

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

Rain Gauge, by \_\_\_\_\_

Diameter ...	8									
Height .....	1	0								
Altitude ...	545									
Year ...	1910	1911	1912	1913	1914	1915	1916	1917	1918	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	4.84
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	2.32
August.....	5.86	2.51	6.64	1.66	2.56	3.95	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	2.58
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°58' N	2°8' 16" W						

## RAINFALL at Gargrave Banks Hill Bank Newton

County of W.R. Yorkshire

Observer Leeds &amp; Liverpool Canal Co.

River Basin Guse-Aire 9

per R. Davison

Glascock Rain Gauge, by  
(127)

Av 1894-1915 35.5

Diameter ...	8										
Height .....	1	0									
Altitude ...	545-										
Year .....	1920	1921	1922	1923	1924	1925	1926	1927	1928	1929	1930 Av 1894-1915
January ...	4.42	7.75	3.90	3.80	3.71	4.30	4.94 (3.61)	8.53	1.53	5.57	
February ...	3.11	5.9	6.63	5.51	1.10	8.24	4.29	1.25	4.75	.89	1.47
March .....	3.26	3.08	3.19	1.97	1.57	1.17	1.39	3.35	2.82	.56	1.77
April.....	4.31	1.64	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	1.63	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	1.89	2.06	5.78	1.65	2.58	5.78
August .....	2.51	5.41	5.74	6.54	6.96	5.90	3.95	6.94	7.57	6.07	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)	2.34	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. &amp; Dec. corrected by curr. 3. obs.

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° 08' 6"	2° 8' 16"						

## RAINFALL at Gargrave (Banks Hill, Bank Mtn.)

County of West Riding

Observer Leeds &amp; L'pool Canal Co.

River Basin Ouse-Aire-9

Type of Gauge Glaisher.

Annual Average 30.5 in. based on 49 years obs. un-weighted. Period of average 1881-1915 Ref.

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	1.10	2.96	2.26	6.79	1.92	5.52	1.55	3.17	2.05	
March	.69	2.46	1.98	2.42	1.63	1.97	1.45	1.08	1.84	2.47	
April	2.52	3.27	1.87	1.89	2.74	1.76	2.67	1.59	1.50	2.47	
May	2.29	3.84	1.56	2.69	1.13	1.77	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	3.26	4.35	8.71	3.89	3.89	10.25	1.81	3.74	
November	6.84	2.34	1.80	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	37.83	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		Parish Church.	Distance from gauge
				Direction	Direction		

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

Station No. 3307

RAINFALL at Gargrave (Barber Hill Barns Manton)

41

County of West Riding Observer Leader & T'pail Canal Co  
 River Basin Ouse Desr. & Environs Waterways  
 Type of Gauge Gargrave

Annual Average 35.5 in. based on 42 years obs. un-weighted. Period of average 1881-1915 Ref. S  
 670003/176  
 File No. 749.12.27

Diameter	8"	074	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	2.49	6.15	
March	2.96	2.81	1.27	4.3	1.82	1.20	(6.50)	1.70	1.56	1.59	
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	.67	.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	6.97	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	4.81	
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	

15 h.p. to mean 27.40

1947 Average 20 h.p. 1/4 mi. S.E.

1946 N.P. low. 1947 n.p. low. Jan, Feb &amp; Mar incl'd 3rd snow.

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

1948 n.p. low.

1948? Max nearly low? No

41204

70004

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.
Jan 2nd 1947			GARGRAGE	1½ mi	E.	GARGRAGE	1½ mi	E.

RAINFALL at Gargrave (Banks Hill, Bank) BRITISH  
 County of West Riding - Yorks. Observer ~~Docklands Waterways~~  
 River Basin. Ouse - Aire - 9  
 Type of Gauge. Glaisher

Station No. 3307

51

Annual Average 35.5 in. based on 49 years obs. un-weighted. Period of average 1881-1915 Ref. S  
 File No. 670003/26 E 16027/53  
 740024/27

Diameter	8"	074	157								
Height	1' 0"			1					11"		
Altitude	545'			51							
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	5.22	4.63	(3.38)	4.81	
February	2.84	1.95	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	1.33	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	5.89	2.89	1.83	2.32	1.80	4.63	8.97	
December	7.07	3.64	1.91	5.87	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	49.32	28.54	50.23	
	d	d	d	d	d	d	np	np	np	np	

1951. Farm house 20 miles N.E. 10004

40004

1956. March part est.

1957. AP 1958. Poor condition. New g. ordered. 5" measure being used since some time in Jan.  
v. overdriven site. Turf well recommended. Snow not melted

1957 np. Poor inspection report.

1959:- np low

1958. np. Poor inspection report.

1960 np high

Annual 38.88 in based on 38 yrs. Dec. within 1916-57. 3 in. low. Period 18 w. 1916-50. *Rejected*

Position of Station on Ordnance One-Inch map : No. of Map 95 National Grid Reference SD 910525

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

Summary of Earlier Records from 10-year Sheets :

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