

RAINFALL AT *Longbriekworth Reservoir**N. R. Yorks*Observer *W. Greenwood Esq.*

Rain { By.....

Gauge { Diameter.....*8*.....in. Height above Ground,ft.in. Above Mean Sea Level. *863* ft.

YEAR.....	1860	1861	1862	1863	1864	1865	1866	1867	1868	1869	MEANS.
January.....								<i>4</i>	<i>3.51</i>	<i>5.00</i>	
February.....									<i>4.79</i>	<i>6.32</i>	
March.....									<i>3.88</i>	<i>2.95</i>	
April.....									<i>2.02</i>	<i>2.41</i>	
May.....									<i>.93</i>	<i>5.84</i>	
June.....									<i>.16</i>	<i>.98</i>	
July.....									<i>.47</i>	<i>.28</i>	
August.....									<i>2.54</i>	<i>1.82</i>	
September.....									<i>3.74</i>	<i>4.80</i>	
October.....									<i>3.98</i>	<i>2.95</i>	
November.....									<i>3.16</i>	<i>3.00</i>	
December.....									<i>9.74</i>	<i>5.20</i>	
TOTALS									<i>38.92</i>	<i>39.55</i>	

RAINFALL AT Ingberchworth Reservoir

70

Lat.....

Lon..... County of *York*

Rain Gauge, by..... Observer... *W. Greenwood Esq.*

Diameter.....		8		8				.	.	.	
Height		1.4		1.4				.	.	.	
Altitude.....		853		853				.	.	.	
Year	1870	1871	1872	1873	1874	1875	1876	1877	1878	1879	MEANS.
January.....	3.47	1.99	5.63	3.56	2.52	4.50	1.34	5.62	3.54	1.19	3.336
February.....	2.96	3.72	4.09	.82	1.69	1.54	4.41	3.62	1.51	3.21	2.767
March.....	3.07	1.27	2.58	3.22	4.11	.74	5.83	2.74	1.92	2.02	2.750
April.....	.71	3.27	3.92	.63	1.89	1.32	3.07	3.67	1.75	3.49	2.372
May	1.86	1.60	2.61	2.37	1.43	2.08	.99	4.53	5.26	2.55	2.528
June.....	2.43	3.88	4.00	1.75	.48	5.09	3.49	2.10	4.23	5.08	3.253
July .....	.36	3.35	7.33	2.19	1.56	5.95	2.16	3.33	1.23	5.14	3.260
August.....	1.16	1.94	3.16	2.79	3.22	3.90	2.78	6.26	8.00	5.39	3.860
September....	1.97	5.79	6.24	2.86	3.00	3.86	5.04	4.93	3.73	2.40	3.982
October.....	10.01	3.23	6.69	3.64	4.84	6.39	3.20	3.92	3.55	2.07	4.754
November.....	2.53	1.65	5.86	2.84	3.06	5.28	4.72	5.87	3.02	2.29	3.712
December.....	3.75	1.60	4.81	.83	3.00	1.90	8.76	4.05	1.80	3.00	3.350
TOTALS.....	34.28	33.29	56.92	27.50	30.80	42.55	43.79	50.64	39.54	37.83	39.914

RAINFALL AT *Leiston, Ingitchworth*

80

Lat. _____

Lon. _____

County of *Yorks*

Rain Gauge, by _____

Observer *W. Greenwood, Esq.*

Ruse - Don

Diameter	8										
Height	1.4			2.2	3.0	1.3		1.0			
Altitude	553 T				850 T			853			
Year	1880	1881	1882	1883	1884	1885	1886	1887	1888	1889	MEANS.
January	2.1	4.3	4.19	6.55	7.32	2.47	5.31	1.96	1.44	2.07	3.195
February	4.64	4.61	2.97	3.95	2.92	4.36	1.21	.61	1.06	1.89	2.822
March	3.98	4.41	3.22	1.36	2.21	3.57	3.37	1.11	3.77	4.15	3.109
April	2.08	1.02	4.03	3.37	1.85	2.46	3.11	.64	4.05	4.36	2.697
May	3.22	2.75	1.60	1.51	2.52	3.08	7.08	2.14	1.06	3.58	2.854
June	4.57	2.29	4.78	5.33	2.09	3.69	1.06	.23	3.00	.78	2.782
July	6.33	3.79	4.44	4.52	3.33	1.33	5.06	.78	4.96	3.34	3.788
August	2.03	4.93	2.54	2.21	1.36	1.42	1.76	1.55	4.02	3.73	2.555
September	5.27	4.07	3.18	6.82	1.78	4.83	1.81	3.14	1.93	2.50	3.533
October	7.13	6.31	4.61	4.73	1.59	8.12	5.49	3.16	1.71	6.72	4.957
November	4.46	4.26	8.65	3.79	1.62	3.23	2.11	2.71	10.34	1.50	4.267
December	5.06	4.23	5.95	1.84	5.10	1.26	6.08	2.38	2.56	2.59	3.707
TOTALS	49.00	43.10	50.16	45.98	33.69	39.76	43.45	20.41	39.90	37.21	40.266

RAINFALL AT *Penistone Ingbirchworth Reservoir*

Lat. _____

Lon. _____

County of *York W.R.*

Rain Gauge, by _____

Observer *J.H. Taylor Esq Ch.*

Cuse. Don 4

Diameter	8											
Height	1 3			5 0		1 3						
Altitude	853 ft											
Year	1890	1891	1892	1893	1894	1895	1896	1897	1898	1899	MEANS.	
January	5.10	2.95	2.28	1.54	3.41	3.86	1.13	2.74	1.66	5.40	3.007	
February	1.27	.16	3.83	4.74	6.39	.59	1.49	3.91	2.72	1.77	2.687	
March	3.27	2.45	1.30	.62	2.81	2.68	4.46	4.70	1.65	1.45	2.539	
April	1.42	3.20	1.74	.79	3.19	2.84	1.87	3.34	3.32	2.66	2.437	
May	3.97	4.19	4.04	2.28	1.73	.73	.62	.81	3.31	2.96	2.464	
June	2.89	2.83	4.32	1.54	3.26	3.63	3.64	3.83	2.23	1.98	3.015	
July	2.83	3.17	3.57	3.78	3.73	5.45	1.03	1.22	1.04	2.20	2.802	
August	4.61	6.62	3.31	2.61	2.87	2.51	1.84	3.34	3.96	1.16	3.283	
September....	2.66	4.07	3.34	2.01	.90	.70	7.49	2.70	.66	4.82	2.935	
October	1.95	5.25	7.82	2.01	5.87	4.37	5.02	1.71	5.13	3.45	4.258	
November....	5.62	3.73	2.28	2.64	2.45	5.03	1.67	4.66	3.14	2.10	3.329	
December	1.38	8.07	.92	4.48	2.08	3.65	4.46	4.41	4.82	3.17	3.744	
TOTALS . . .	36.97	46.69	38.75	29.04	38.69	36.01	34.72	37.37	33.64	33.12	36.500	

1890—

RAINFALL AT Peristone Ingbrichworth Reservoir

Lat. 53° 41' N Lon. 1° 12' W County of York W.R. Southern
Standard Rain Gauge, by Observer J.H. Taylor Esq. C.E.

Case Don't

Diameter ..	8										5	
Height	1 3											
Altitude ..	853 ft											
Year	1900	1901	1902	1903	1904	1905	1906	1907	1908	1909	MEANS.	
January ..	4.06	2.11	2.04	3.85	4.35	.96	4.77	1.36	2.63	2.12	28.25	
February ..	4.89	1.40	1.46	4.76	5.69	1.89	3.10	2.45	2.42	1.78	298.4	
March ....	.90	3.21	1.37	6.23	2.90	3.41	2.80	2.67	3.92	4.23	316.4	
April	1.82	1.90	2.56	2.21	2.25	2.82	.80	2.74	2.47	2.14	217.1	
May	1.86	1.43	3.18	4.01	3.06	.66	2.99	5.29	3.09	1.60	271.7	
June	2.97	1.06	1.67	1.92	1.40	2.88	2.79	4.86	2.64	4.90	270.9	
July	2.60	4.78	2.33	2.68	2.46	1.52	2.00	2.16	3.53	4.73	287.9	
August	6.22	1.32	4.23	3.15	4.45	3.97	2.28	2.33	3.41	2.46	338.2	
September ..	.63	.53	2.53	5.84	.97	1.77	.62	.40	2.46	2.89	186.4	
October	4.22	2.07	4.52	10.39	1.08	2.61	7.75	6.80	1.87	3.87	451.8	
November ..	2.69	4.61	2.70	2.14	2.29	5.54	4.50	3.25	1.84	1.23	307.9	
December ..	4.78	5.73	3.88	2.33	2.53	.87	2.57	3.20	1.63	5.88	334.3	
TOTALS ..	376.4	30.15	32.47	49.51	33.46	28.90	36.97	37.51	31.91	37.83	356.35	

1907 Peristone Church 3 1/2 miles W

" Station 20

Nothing near

Hills

RAINFALL at Penistone Inghirchworth ReservoirCounty of W. Yorksh.Observer J. H. Taylor Esq. C.E.River Basin Case. Don 7

Rain Gauge, by _____

Diameter ...	8										
Height	1.0										
Altitude ...	853 ft										
Year ...	1910	1911	1912	1913	1914	1915	1916	1917	1918	1919	MEANS.
January ...	4.46	2.18	5.15	4.27	2.37	6.02	3.51	2.45	2.41	4.28	
February ...	4.11	4.14	2.07	1.52	2.76	4.66	7.12	.63	4.34	2.43	
March .....	.66	1.84	3.60	5.76	3.51	.67	5.92	2.56	1.39	4.86	
April	3.51	1.64	.81	3.89	1.13	1.55	1.79	1.99	1.37	1.59	
May	3.84	1.08	4.14	2.72	1.88	2.09	2.94	2.26	3.74	1.76	
June	3.53	3.06	4.39	1.49	4.14	1.15	3.32	1.96	1.18	.65	
July	3.71	.14	6.63	1.46	3.35	4.39	2.69	1.33	2.70	3.56	
August	4.62	2.90	6.96	1.37	2.12	4.43	2.28	5.86	1.32	2.99	
September ...	.24	2.53	2.04	2.76	1.86	1.07	1.98	1.47	9.44	1.77	
October ...	3.28	3.81	3.54	4.93	2.73	1.88	7.01	4.79	2.35	3.36	
November ..	4.70	5.05	3.36	2.98	5.62	3.36	5.04	2.40	2.09	2.54	
December ...	5.09	5.39	4.22	2.84	8.14	8.44	3.42	1.82	4.80	5.28	
TOTALS ...	41.75	32.76	46.91	35.99	39.61	39.71	47.03	29.62	37.13	35.12	

too low, leading
(Barnsley 1921)

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

RAINFALL at Penistone, Ingbrichworth Res.County of Yorkshire N.R.Observer J. R. Fox, Esq. C.E.River Basin Don - Don. 7Water Eng. Brandy

Rain Gauge, by

NEW GAUGE

Diameter ...			5	8		5						
Height				1.0		1.0						
Altitude ...				853		853						
Year	1920	1921	1922	1923	1924	1925	1926	1927	1928	1929	1930	1931
January ...				2.39	2.37	4.27	5.22	2.74	9.88	1.62		6.59
February ...				4.99	1.03	5.47	2.70	1.44	5.32	.42		.99
March				2.07	.90	1.95	1.21	4.56	3.22	.31		3.16
April				2.42	2.03	3.57	2.72	4.70	1.57	1.83		3.99
May				3.94	3.45	5.15	3.66	1.38	2.23	2.51		1.98
June				0.98	1.38	.08	3.63	4.22	4.34	1.29		2.84
July				3.21	2.58	1.05	3.89	3.56	1.21	3.17		6.85
August				3.53	1.44?	3.89	2.96	6.46	3.80	3.14		4.76
September...				3.04	3.01?	3.11	2.15	5.71	0.27	1.14		5.42
October				imp. 3.57	4.40	4.26	4.12	4.88	5.94	4.99		5.38
November...				1.82	6.71	3.07	2.96	6.16	5.66	7.77		8.89
December...				2.85	3.09	4.26	5.07	1.51	2.35	3.35		9.94
TOTALS...				imp. 39.94	29.92?	40.83	39.93	47.66	49.15	39.26		50.72

1922. New g. erected on clock.

1923. The obs. says "The total of this g. is below (especially the months of July - Oct.) compared with the other gauge, that, - nothing was found wrong - the readings are open to suspicion."

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 from gauge	Parish Church.	Distance from gauge	Direction from gauge

RAINFALL at Penistone Ingbrichworth ReservoirCounty of W. R. YorkshireObserver. J. R. Fox Esq. C.E.River Basin Guse-Dow 7Water Eng^r BarnsleyFlaithen Rain Gauge, byold gauge

Diameter ...	8											
Height	1 0											
Altitude ...	853											
Year	1920	1921	1922	1923	1924	1925	1926	1927	1928	1929	MEANS.	
January ...	4.21	3.66	3.99	2.59								
February ...	3.41	.17	3.09	5.46								
March	2.66	1.94	2.55	2.18								
April	5.63	.68	4.42									
May	4.29	.82	.74									
June	3.68	.11	1.37									
July	6.23	.91	3.34									
August	1.28	3.74	7.01									
September...	1.38	.88	3.73									
October	2.44	1.43	1.15									
November...	1.83	1.79	1.81									
December...	3.48	5.54	2.81									
TOTALS...	40.52	21.64	36.01	see new gauge								

1920) small g. broken
 1921) small g. broken

Inspected on 18.11.22. A perfect site on flat roof of well. G. leaking both under flange and through a dent, and apparently through bottom of receiver. New gauge to be secured as check.

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 from gauge	Parish Church.	Distance from gauge	Direction from gauge

RAINFALL at Penistone (Ingbirchworth Res.)County of West RidingObserver J. R. Fox, Esq., C.E.River Basin Ouse-Don-7W. G. Lees Esq., C.E. (1936)

Type of Gauge.....

Annual Average 33.2 in. based on 7 years obs. un-weighted. Period of average 1881-1915 Ref. S.

660870/26

Diameter	5.											
Height	1.0.	9.					1'6"					
Altitude	853.											
Year	1931	1932	1933	1934	1935	1936	1937	1938	1939	1940	Means	
January	3.68	4.63	3.99	3.98	1.87	2.96	5.28	4.57	5.17	(3.37)		
February	4.71	.34	7.63	.18	5.07	3.32	4.28	1.28	2.40	2.61		
March	.38	2.46	2.03	4.28	1.31	2.91	2.87	.45	3.21	2.73		
April	5.49	4.36	1.51	2.96	3.30	1.36	2.92	.29	1.81	3.00		
May	2.84	6.29	2.32	2.19	.29	1.25	3.06	3.40	2.33	.66		
June	4.91	.72	2.52	1.36	3.38	4.81	.85	2.57	2.67	.70		
July	3.54	4.47	2.65	2.20	.94	3.27	2.10	3.51	6.02	3.39		
August	6.49	2.33	0.73	1.25	2.28	.92	.55	3.13	1.48	.76		
September	4.59	2.49	3.03	3.04	5.45	3.94	1.57	2.65	1.67	2.26		
October	1.10	6.47	5.22	4.03	7.14	4.64	3.62	7.36	3.37	5.04		
November	5.76	3.64	2.11	2.22	6.42	4.83	1.92	4.28	6.44	7.39		
December	1.36	1.42	0.59	4.63	2.55	3.69	2.40	3.38	3.25	2.99		
TOTALS	45.35	39.62	34.33	32.32	40.00	37.90	31.42	36.97	39.84	34.90		

Inspected 1937. Site excellent apart from rim being 1'6" above ground.

no change suggested.

1940 Jan. corrected for snow.

Position of Station on reduced Ordnance Survey Map, } No. of Map.....

1 mile to 1 inch Series

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. 3169

RAINFALL at Penistone (Ingbirchworth Res) ✓✓ 41

County of West Riding

Observer W. G. Lees, Esq. C.E.

River Basin Ouse - Don 7

Type of Gauge

P.A. 487

Annual Average 27.1 in. based on 19 years obs. unweighted. Period of average 1881-1915 Ref S

File No. 66087026

Diameter	5			081	698						
Height	1	6			1						
Altitude	853				41			840'	continued on next page		
Year	1941	1942	1943	1944	1945	1946	1947	1948	1949	1950	Means
January	3.99	3.11	5.27	6.16	3.80	4.75	3.53	8.36	1.50		
February	4.64	1.23	2.66	1.81	3.82	4.87	3.94	2.35	2.23		
March	5.18	1.99	1.70	.49	.96	1.86	6.51	1.53	.91		
April	2.62	1.49	2.33	2.28	2.28	1.91	4.32	2.27	3.67		
May	3.00	3.33	3.01	2.70	5.30	2.59	3.02	1.78	2.32		
June	.59	1.20	2.06	1.82	3.03	3.80	2.61	3.66	.50		
July	1.80	2.90	1.60	2.66	1.80	3.21	1.84	1.19	4.57		
August	3.72	4.66	3.14	3.28	3.17	4.08	.39	5.01	2.04		
September	.40	1.90	3.99	5.36	1.50	5.38	1.51	1.23	1.34		
October	4.33	3.38	2.45	4.09	5.93	1.46	1.02	1.68	3.98		
November	3.46	1.44	2.86	6.84	.45	6.82	4.17	1.01	5.41		
December	1.59	2.66	1.79	3.77	2.44	3.59	3.80	3.83	6.23		
TOTALS	35.22	29.29	32.86	41.26	34.48	44.32	36.66	33.90	34.70	N.R.	

N.B. Second gauge set up 12-15 W in Jan/49 SN 3169/1
 based on 1949 only this record appears to be
 2"-3" low but taken as homogeneous record

T. D. W.
 7/72

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

RAINFALL at Penistone (Ingleby Barwick Res.)Station No. 3169/1

T.F.

41

County of West RidingObserver W. J. Lees Esq. C.E.River Basin Pule - Der-7

Type of Gauge.....

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

File No. E 4824/50

Diameter				081	698					5	
Height					1					10	
Altitude					41					853	
Year	1941	1942	1943	1944	1945	1946	1947	1948	1949	1950	Means
January									1.73	2.34	
February									2.44	6.84	
March									1.01	1.67	
April									3.86	4.02	
May									2.41	2.73	
June									.53	1.08	
July									4.84	2.12	
August									2.16	3.39	
September									1.42	4.89	
October									4.04	1.82	
November									5.74	8.81	
December									7.08	2.11	
TOTALS									37.26	38.49	

1950 Gauge 12.15 feet W of 3169.

Taken as continuation of 3169 from 49
 but 3169 may be 2" 3" low. S. Lev.
 7/72

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. 3169/1RAINFALL at Penistone (Englishwood Res.)

51

County of West Riding - Yorks. Observer W. G. Lees Esq. C.E.River Basin Dun - Don - 7Type of Gauge MLIAnnual Average in. based on years obs. un-weighted. Period of average Ref.
" 38.76 " " 9 " 1947-57 " " 1916-57
File No. E 1182/50 E 11555/57

Diameter ...	5"			081	698						
Height ...	1'0"				1						
Altitude ...	853'				51						
Year ...	1951	1952	1953	1954	1955	1956	1957	1958	1959	1960	Means
January ...	3.78	4.35	1.17	5.43	2.91	5.20	2.35	3.77	3.99	6.00	
February ...	3.80	1.00	2.37	3.62	3.54	1.49	2.98	5.36	.15	2.98	
March ...	4.81	1.82	2.57	2.56	3.04	1.61	2.12	2.79	1.40	2.49	
April ...	2.39	1.88	2.91	.67	.66	2.57	.37	.86	5.51	1.79	
May ...	5.13	2.45	2.52	4.70	3.69	.90	1.17	3.49	.99	2.46	
June ...	1.43	1.78	3.56	1.50	2.52	3.65	1.11	4.78	2.64	1.65	
July ...	2.75	1.89	3.95	3.06	.73	6.69	2.95	5.50	2.30	3.93	
August ...	5.13	2.44	3.90	5.60	.64	7.15	6.30	3.52	.98	4.33	
September ...	2.12	3.43	2.76	3.58	1.11	4.15	4.51	4.10	.16	3.86	
October ...	1.12	6.15	2.12	5.49	2.19	2.15	2.90	3.07	3.35	2.29	
November ...	9.36	2.25	3.35	7.30	2.21	1.54	2.62	.98	4.84	5.54	
December ...	6.33	3.24	1.79	5.65	4.62	4.80	4.60	4.66	7.26	5.34	
TOTALS ...	48.15	32.68	32.97	47.16	27.86	41.90	33.98	42.88	33.57	48.66	
	D	D	D	D	D	D	D	D	D	D	

WSP. APR 1958 96074 Selfishy

Position of Station on Ordnance One-Inch map : No. of Map 102 National Grid Reference SE 213056

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
				C1949 J 1000.49	