

RAINFALL AT

Niddendale New Houses

80

Lat. _____

Lon. _____

County of *Yorkshire*

Rain Gauge, by _____

Observer *A.R. Brimie Esq. C.E.*

Onse. Nidd 11

Diameter . . .								5			
Height								1.0			
Altitude								750			
Year	1880	1881	1882	1883	1884	1885	1886	1887	1888	1889	MEANS.
January									1.95	1.65	
February									2.92	2.47	
March									7.56	3.86	
April									4.30	6.34	
May									2.30	2.10	
June									3.58	.19	
July									5.60	3.85	
August									4.05	5.48	
September . . .									1.28	.83	
October									1.27	8.12	
November									11.32	1.21	
December								[#] 3.58	3.52	2.04	
TOTALS								2.58	49.65	38.14	

Repeled from Survey : 3" too low

RAINFALL AT Nidderdale New House

Lat. _____

Lon. _____

County of York W.R.

Rain Gauge, by _____

Observer J. Watson Esq. C.E.

Onse - Nidd 11 710 33

Diameter	5										
Height	10										
Altitude	755-T										
Year	1890	1891	1892	1893	1894	1895	1896	1897	1898	1899	MEANS.
January	3.39	2.33	1.80	6.76	5.52	2.14	2.90	2.88	9.08		
February14	3.01	6.69	9.17	1.37	1.07	4.18	3.57	3.64		
March	2.21	1.12	1.39	4.57	4.73	6.28	8.55	2.17	2.30		
April	3.89	2.14	.73	3.73	3.68	2.01	2.51	4.09	4.55		
May	4.31	3.90	2.14	2.47	.66	.65	1.24	2.90	4.54		
June	1.65	4.79	2.25	3.23	2.44	3.86	3.00	3.14	1.61		
July	5.00	2.30	3.53	3.65	6.91	2.36	1.34	.89	2.77		
August	7.56	5.49	4.12	3.13	3.42	2.18	5.39	4.78	1.49		
September...	3.23	3.01	2.17	.60	1.63	7.13	3.63	1.34	6.97		
October	5.34	11.94	2.70	8.33	4.39	6.09	2.71	8.02	4.38		
November...	4.81	2.51	2.51	3.90	7.10	1.87	3.32	3.61	3.79		
December ...	8.77	1.15	4.72	4.09	3.65	6.62	7.04	6.30	3.45		
TOTALS	40.80	50.30	43.69	34.75	53.63	45.50	42.26	45.81	43.69	48.57	

1890 from P.T. VIII 19

Rejected from Survey: 5' too low

RAINFALL AT Niddendale New House

Lat.

Lon.

County of York W.R. Northern

Rain Gauge, by

Observer J. Watson Esq. C.E.read - 11.

Diameter ..	5										
Height	10										
Altitude ..	755 T										
Year	1900	1901	1902	1903	1904	1905	1906	1907	1908	1909	MEANS.
January ..	5.48	2.64	2.07	7.44	6.79	1.79	6.89	2.39	3.73	2.77	4.199
February ..	8.40	1.39	1.44	6.70	4.68	2.85	3.45	3.56	4.19	1.96	3.862
March	1.32	4.31	1.57	10.01	2.94	3.38	3.67	4.36	5.15	4.96	4.167
April	3.11	2.98	1.66	1.88	3.43	3.89	.95	2.27	3.19	3.07	2.643
May	2.05	1.35	2.41	5.82	4.07	1.02	5.35	4.90	3.08	3.13	3.348
June	4.03	1.98	1.56	2.85	2.59	1.39	1.57	5.02	1.91	3.58	2.648
July	2.01	4.11	3.20	3.63	1.93	.65	1.67	2.51	3.45	4.06	2.727
August	7.77	2.50	2.77	4.90	4.23	4.58	3.59	2.77	3.80	4.03	4.094
September ..	1.49	1.92	1.63	4.67	1.38	3.89	.46	.85	4.64	2.71	2.364
October	7.07	2.54	4.55	11.09	1.53	2.21	9.46	7.89	2.14	6.01	5.449
November ..	5.39	6.41	2.48	2.45	3.22	7.71	5.34	3.08	3.15	1.69	4.092
December ..	5.62	6.49	5.50	3.95	2.54	1.73	2.78	5.65	2.20	6.22	4.268
TOTALS ..	53.74	38.62	30.84	65.44	39.63	35.09	45.18	45.25	40.63	44.19	42.861

Rejected from Survey. : 3" too low.Hub

057 863

10³²⁷³RAINFALL at Niddendale New Houses No. 33County of W.R. YorkshireObserver Atli J. Watson Esq. C.E.River Basin Once Nidd 11L. Ditchell Esq. C.E.Rain Gauge, by 1

Diameter ...	5										
Height	1.0										
Altitude ...	755 T										
Year ...	1910	1911	1912	1913	1914	1915	1916	1917	1918	1919	MEANS.
January ...	6.54	3.10	4.23	6.49	3.79	6.85	5.60	3.28	3.81	5.86	
February ...	5.89	5.38	3.45	3.14	5.15	7.71	7.54	.92	6.89	1.86	
March	1.29	2.75	5.02	8.81	4.58	.82	5.43	2.44	2.33	6.57	
April	4.50	2.09	.58	5.46	1.45	2.13	2.36	2.52	1.24	2.00	
May	2.18	1.86	2.86	2.41	2.48	1.81	3.64	1.91	3.07	1.36	
June	1.63	3.25	6.66	1.37	4.53	1.03	2.16	2.48	1.06	1.24	
July	2.32	.50	5.44	1.03	3.35	6.61	1.69	1.93	4.41	2.04	
August	5.35	2.85	7.21	.98	1.83	4.55	2.91	9.18	2.92	2.82	
September ..	.17	2.48	2.13	2.10	1.80	.43	1.89	1.91	10.64	1.73	
October ...	5.54	5.17	4.22	3.59	2.77	1.31	10.29	7.17	4.43	1.53	
November ..	4.53	(7.00)	3.64	4.47	7.08	3.24	5.98	3.26	3.16	4.32	
December ...	4.68	6.50	6.37	2.21	9.16	10.43	3.71	2.23	6.66	5.55	
TOTALS ...	44.62	(42.92)	51.81	42.06	47.97	46.92	53.20	39.23	50.62	37.17	

1911 Nov. est. Bad - not printed

Rejected from Survey: 3" too low.

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

RAINFALL at Niddendale New Houses

N° 33

County of N. YorksObserver S. Mitchell Esq. C.E.River Basin Guse - Nidd 11Eng. Bradford L.P.W.in Swanton Rain Gauge, by 5.00 } good condition
5.00 } 18.13to Newlands, Reg. L.P. (1930)Glass No 2 new correct. 11.23.

Diameter ...	5"											
Height	1 0											
Altitude ...	750-											
Year	1920	1921	1922	1923	1924	1925	1926	1927	1928	1929	1930	Mean
January ...	6.33	6.58	4.72	2.66	4.17	6.89	6.87	5.00	11.53	1.78	8.64	
February ...	2.83	2.2	4.78	7.67	8.8	6.96	4.24	2.81	5.38	9.4	2.08	
March	4.24	4.34	4.28	2.17	1.76	1.60	2.08	3.37	4.52	3.6	4.22	
April	6.10	1.29	3.70	3.55	2.38	4.90	2.21	3.87	1.20	2.17	5.07	
May	4.30	2.20	1.40	2.92	7.06	5.09	4.25	2.55	2.95	2.66	1.80	
June	9.5	1.11	2.09	1.76	2.00	11	3.42	3.67	6.40	1.65	2.23	
July	5.71	3.72	5.76	2.98	6.08	1.60	3.55	5.95	1.18	2.87	7.12	
August	2.19	6.37	5.30	6.33	4.12	3.43	4.14	10.06	6.79	3.17	6.32	
September...	1.20	2.08	4.91	5.23	5.65	2.76	3.60	6.42	5.7	1.29	6.35	
October.....	3.03	2.01	1.75	5.91	5.61	4.78	4.41	7.57	7.66	5.47	6.38	
November...	3.14	2.65	2.18	6.74	3.91	2.64	8.84	5.17	7.23	7.00	5.79	
December...	5.06	8.04	5.34	3.76	7.86	6.25	1.49	2.09	3.11	11.73	4.93	
TOTALS...	45.08	42.61	46.21	53.13	51.48	47.01	49.10	58.53	58.72	41.09	60.93	

inspected 25.6.11.23 & in flat meadow at bottom of valley. Entirely
good position. New gauge recently supplied.

Rejected from Survey : 3" too 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 from gauge	Parish Church.	Distance from gauge	Direction from gauge

RAINFALL at Nidderdale (New Houses)County of West RidingObserver Bradford Corpn. W.W.River Basin Ouse - Nidd - Il.W. Newlands Esq. C.E.Type of Gauge SnowdonThe Engineer, Bradford W.W.Annual Average 45.8 in. based on 10 years obs¹⁹¹³⁻²² ~~un~~-weighted. Period of average 1881-1915 Ref. Survey660554/26

Diameter	5.											
Height	1.0.											
Altitude	755.											
Year	1931	1932	1933	1934	1935	1936	1937	1938	1939	1940	Means	
January	3.80	6.98	3.17	4.11	1.98	6.25	6.50	8.06	8.10	2.23		
February	4.87	.75	5.89	.24	7.96	4.20	6.59	2.60	3.92	3.09		
March	.94	3.08	2.78	4.74	1.43	2.61	3.31	1.94	4.36	2.73		
April	4.35	4.64	2.22	4.72	3.88	2.40	3.45	.39	1.85	2.19		
May	3.86	6.25	3.35	3.68	1.39	2.42	3.66	3.73	.99	2.07		
June	5.61	1.43	1.33	2.58	3.79	6.74	1.85	4.18	3.75	.38		
July	3.59	5.12	4.02	1.12	.83	4.31	2.70	3.96	5.55	4.40		
August	4.08	1.79	0.59	2.91	1.33	2.55	2.80	4.99	3.44	.54		
September	4.18	3.93	2.35	2.99	7.15	3.04	2.31	2.46	1.24	2.53		
October	1.60	6.01	3.72	6.74	6.90	3.53	2.93	11.77	3.42	5.48		
November	6.44	3.51	4.31	3.41	8.45	4.91	1.85	7.70	6.38	7.65		
December	2.94	3.27	0.80	7.33	2.51	5.94	4.59	4.10	2.44	4.21		
TOTALS	46.26	45.66	34.58	44.57	47.60	48.90	42.54	55.88	45.94	37.50		
	D	D	D	D	D	D	D	D	D	D		

1940. Jan. corrected for snow.

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. 337.3

RAINFALL at Niddendale (New Houses) ✓

41

County of West Riding Observer The Engineer

River Basin Ouse - Nidd - LI Bradford WW

Type of Gauge Slingstad

Annual Average 45.2 in. based on 161 years obs. un-weighted. Period of average 1923-1932 Ref. Survey 46.27 1916-50 File No. 66055426

Diameter	5"		057	463							
Height	1'0"			1							
Altitude	755'			41							
Year	1941	1942	1943	1944	1945	1946	1947	1948	1949	1950	Means
January	3.92	4.76	7.43	5.03	5.26	5.23	4.50	9.70	2.60	4.25	
February	5.03	2.13	3.98	2.51	6.50	4.60	6.05	3.30	3.60	7.60	
March	4.97	2.53	2.24	.31	1.10	1.72	8.00	3.30	1.15	2.25	
April	2.89	1.73	2.60	2.80	2.90	1.95	8.01	3.30	5.54	4.30	
May	1.72	3.61	3.94	1.75	4.23	3.70	3.50	1.30	1.65	2.30	
June	.85	.77	2.92	2.77	3.77	2.90	3.40	5.10	.62	1.40	
July	1.63	3.40	2.07	1.35	3.15	3.55	1.90	1.08	3.02	3.50	
August	3.63	4.31	4.76	2.45	5.50	6.75	.24	5.10	2.51	7.40	
September	.19	2.41	4.97	6.48	2.95	7.75	2.77	3.00	1.30	5.80	
October	5.68	(5.06)	3.58	6.25	8.01	1.95	1.57	1.40	4.87	2.60	
November	3.96	1.31	3.08	2.62	1.01	9.40	6.70	2.71	5.90	4.04	
December	1.85	5.35	2.13	4.27	2.40	5.20	4.09	5.10	7.43	1.95	
TOTALS	36.22 0	37.49 d	(43.70) np	46.83 D	46.78 M	54.70 M	50.73 M	44.39 M	40.19 NP Low	47.29 M	

1942 Oct. part. est.

1943 np too much estimation

1945 No daily readings cannot be made a monthly gauge has been set up.

1948 Engineer unable to account for slight deficiency 4/47

00064

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. 3373

11.46

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RAINFALL at Ridderdale (New Houses)County of West Riding-Yorks. Observer J.E. Englemer,River Basin Duane-Ridd-11 Bradford A.W.Type of Gauge Standard BradfordAnnual Average 45.8 in. based on 12 years obs. un-weighted. Period of average 1923-1932 Ref. Summary
" " 46.27 " " 26 " " within 1931-57 " " 1916-50 File No. 660554/26 E.2280758

Diameter ...	5"			057 463						5"	
Height ...	1'0"			1				10"			
Altitude ...	755'			57						755'	
Year ...	1951	1952	1953	1954	1955	1956	1957	1958	1959	1960	Means
January ...	4.22	3.60	.99	3.93	3.22	4.20	5.95	5.22	4.82	6.54	
February ...	4.96	.83	4.27	2.83	2.68	2.78	4.27	6.20	.25	5.66	
March ...	4.66	4.13	.98	3.20	(2.50)	1.48	2.97	2.26	3.09	2.28	
April ...	3.89	1.47	4.01	.96	1.55	2.19	.37	1.11	4.25	2.86	
May ...	6.48	2.01	2.78	4.93	4.37	1.10	1.03	5.82	1.34	1.63	
June ...	1.56	1.45	3.32	3.17	2.71	3.17	1.45	3.97	1.76	2.11	
July ...	1.62	1.30	1.81	2.27	1.41	5.18	+3.4	4.81	3.00	6.11	
August ...	5.10	5.36	4.45	6.99	1.79	(8.35)	6.33	2.92	.70	3.15	
September ...	3.12	5.35	4.21	6.28	2.19	4.25	5.26	4.75	.15	4.03	
October ...	2.24	5.49	2.12	8.48	2.63	2.72	4.73	4.11	4.29	6.98	
November ...	11.89	2.74	4.50	7.94	2.93	1.13	2.94	1.29	7.90	8.28	
December ...	9.30	4.00	2.07	5.20	6.22	5.41	4.95	6.00	10.35	5.65	
TOTALS ...	59.04	37.73	38.51	56.17	34.20	41.96	44.59	45.46	41.90	55.28	
	M	M	M	M	M	M	M	M	M	M	

Inst. 11.1.1952. G.S. found gauge divided, rain 14.5 in. not read. 2 in. measure. Replaced gauge recommended.

Site in field sheltered but not obstructed.

1952 n.p. low. 1955 March est'd. 1105. In progress.

1956 Aug. put 51 903

Inst. Mr. O'Garra 26.9.58 Satisfactory. Catch & bottle and measure at Scartho for H.O. 2" measure.

Inspected 7.9.60 by H.O. 2" measure. Do above.

10004 00204

Position of Station on Ordnance One-Inch map : No. of Map 90 National Grid Reference 44.10.9.12.62

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
	✓	✓	✓	✓	
	-	✓ low - 20.24 2.25	✓	✓ up +3.48	