

RAINFALL AT Nidderdale West House

80

Lat. _____

Lon. _____

County of Yorkshire

Rain Gauge, by _____

Observer A.R. Birnie Esq. C.E.

Ruse - Nidd 11

Diameter . . .								5		5	
Height								1.0		1.0	
Altitude								1150		1150	
Year	1880	1881	1882	1883	1884	1885	1886	1887	1888	1889	MEANS.
January									3.48	2.44	
February									2.80	3.39	
March									5.20	5.81	
April									4.79	3.54	
May									3.32	2.66	
June									3.07	.76	
July									6.50	3.95	
August									5.31	6.72	
September									1.57	1.46	
October									3.05	7.89	
November									15.01	1.95	
December								# 4.52	5.70	3.30	
TOTALS									59.80	43.87	

RAINFALL AT *Nidderdale West Houses & Argram*

Lat. _____

Lon. _____

County of *York W.R.*

Rain Gauge, by _____

Observer *J. Watson Esq. C.E.*

Use - Nidd II *7131*

Diameter	5										
Height	10										
Altitude	1150T										
Year	1890	1891	1892	1893	1894	1895	1896	1897	1898	1899	MEANS.
January	5.33	3.84	2.36	[#] 8.38	4.69	3.89	2.69	6.24	11.03		
February70	3.62	9.41	9.71	1.63	1.20	4.83	5.62	4.48		
March	3.52	.95	1.52	4.40	6.16	6.59	9.57	3.79	2.36		
April	3.94	2.61	.76	3.87	4.65	2.50	3.74	3.39	3.37		
May	5.30	7.17	2.37	2.80	.90	.56	1.79	1.90	3.28		
June	1.99	4.75	3.56	3.50	2.74	4.08	3.32	5.88	1.56		
July	6.00	2.62	5.17	3.76	8.01	2.32	1.22	1.21	3.23		
August	10.46	6.78	4.84	5.62	3.43	2.51	6.31	6.21	1.68		
September....	5.04	5.38	3.33	.51	1.74	8.12	4.40	1.46	5.92		
October	8.64	12.04	4.97	11.11	5.12	6.88	3.11	6.95	4.89		
November....	7.01	3.29	4.55	3.44	7.48	1.61	8.85	4.76	3.90		
December	13.06	2.50	8.38	6.41	5.51	8.74	12.35	6.99	5.03		
TOTALS	54.13	70.99	55.55	51.22	63.51	52.06	49.00	62.18	54.40	50.73	

1893 Nov. 10th Gauge moved a very short distance to Argram
1890 from O.J. VIII. 19

RAINFALL AT *Niddendale Angnam Lake Wood Branch*

Lat. Lon. County of *York OR Northern*

Rain Gauge, by

Observer *J. Watson Esq. C.E.*

Wid - 11.

Diameter ..	5											
Height	10											
Altitude ..	1150 T											
Year	1900	1901	1902	1903	1904	1905	1906	1907	1908	1909	MEANS.	
January ..	6.49	3.24	2.93	8.81	5.23	2.45	7.56	2.33	4.19	2.53	4.576	
February ..	7.40	2.02	2.44	7.19	5.66	3.70	4.59	3.72	3.80	2.38	4.290	
March	1.54	4.92	1.88	9.23	2.95	4.49	4.37	4.69	3.49	3.73	4.129	
April	3.06	2.94	1.43	2.15	4.87	4.82	1.42	2.32	2.77	2.61	2.839	
May	1.98	1.65	2.48	5.45	4.22	1.21	6.60	5.38	3.34	2.60	3.491	
June	3.61	1.70	1.15	3.02	2.04	1.91	1.93	6.53	1.91	3.58	2.738	
July	2.59	3.48	3.00	4.06	1.62	.89	2.36	2.76	4.87	4.16	2.979	
August	6.77	2.86	3.41	5.60	4.58	4.57	4.04	3.18	3.92	5.34	4.427	
September ..	1.30	1.79	2.38	5.15	1.45	4.11	.88	.76	3.69	2.76	2.427	
October	7.82	2.17	4.75	11.56	1.90	3.11	9.97	8.65	2.64	4.71	5.728	
November ..	5.44	6.72	3.14	2.69	3.71	7.38	7.02	3.66	3.44	2.20	4.540	
December ..	6.79	7.53	5.41	4.00	3.72	2.93	2.52	7.05	2.72	5.25	4.792	
TOTALS ..	54.79	41.02	34.40	68.91	41.95	41.57	53.26	51.03	40.78	41.85	46.956	

Hub

RAINFALL at Niddendale Lodge

County of W Yorkshre
River Basin Ouse - Nidd 11

Observer W. J. Waterbury C.E.
Whitdellby Cb.

Rain Gauge, by

10 3374

Diameter ...	5											
Height	1.0											
Altitude ...	1150 T											
Year ...	1910	1911	1912	1913	1914	1915	1916	1917	1918	1919	MEANS.	
January ...	6.05	3.12	5.29	6.97	5.14	7.76	10.66	3.85	5.41	5.18		
February ...	5.04	7.68	3.83	3.79	5.85	9.10	7.52	.94	8.29	2.00		
March	1.12	3.18	6.11	8.62	4.58	.83	3.29	3.13	2.50	5.39		
April	3.65	2.85	.74	5.74	1.98	1.96	3.56	3.27	1.49	5.25		
May	2.86	2.45	np	4.60	3.40	1.56	3.07	2.57	2.84	2.05		
June	2.27	3.15	5.79	3.03	3.98	.67	2.79	3.58	1.26	1.25		
July	3.25	.21	4.56	1.13	2.76	7.10	2.71	1.88	4.68	2.79		
August	6.43	3.25	6.53	1.30	1.42	3.38	3.29	7.95	2.86	3.75		
September ..	.45	3.28	1.83	2.19	1.70	.81	2.89	3.76	12.04	2.72		
October ...	6.09	4.18	4.27	3.74	3.23	1.12	14.11	8.72	4.40	5.51		
November ..	5.80	7.39	3.57	6.23	7.29	1.73	5.43	5.88	3.75	5.98		
December ...	5.81	8.22	7.53	1.91	10.13	9.97	4.00	3.13	9.00	10.03		
TOTALS ...	48.82	48.96		48.25	51.46	45.96	63.32	48.16	58.22	52.90		

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

RAINFALL at Riddendale West-HousesCounty of W. R. YorkshireObserver S. Mitchell Esq C.E.River Basin Guse-Ridd 11Conf: Bradford Corp W.W.On Sowerden Rain Gauge, by H.W.W. Newlands, Esq, C.E. (1920)5.00
5.00
5.00 } 34.25
good condition

Diameter ...	5"											
Height	1	0										
Altitude ...	1150				1165							
Year	1920	1921	1922	1923	1924	1925	1926	1927	1928	1929	1930	Mean.
January ...	9.93	10.71	5.47	5.11	5.61	7.36	7.16	5.28	10.43	2.45	7.09	
February ...	6.07	3.0	5.55	10.64	1.30	7.01	4.89	3.32	4.55	1.51	2.08	
March	4.85	5.40	4.22	2.84	2.23	1.56	2.11	4.49	5.77	.50	3.72	
April	7.08	1.64	4.00	4.16	2.88	6.53	2.30	4.17	1.11	2.09	4.85	
May	5.98	2.69	1.37	5.07	7.93	6.48	3.98	3.51	2.80	3.99	1.84	
June	1.61	.76	3.20	1.60	2.98	.20	4.51	4.51	7.45	1.94	2.00	
July	7.82	3.51	7.45	5.02	6.88	1.99	4.88	6.61	2.24	3.54	8.00	
August	3.22	7.51	6.12	8.27	6.61	4.51	4.79	9.15	7.72	4.33	6.15	
September...	1.85	2.58	6.75	7.03	7.17	2.86	4.29	7.63	.87	1.81	5.08	
October	3.40	3.04	2.32	8.70	6.24	6.11	4.19	7.66	9.01	6.96	5.62	
November...	4.82	2.71	3.10	8.87	6.05	2.99	9.24	5.29	8.31	7.77	6.71	
December...	6.02	10.34	6.17	4.09	8.57	7.14	1.57	3.48	5.84	11.79	5.29	
TOTALS...	62.65	51.19	55.72	71.73	64.45	54.73	53.91	65.10	63.50	48.68	58.43	

Inspected 25.6.11.23. S. in grass land in shelter of dam.
 Insects present position XII.22. Excellent position. Dam at distance to NW SW.
 valley runs E to W but shelter beyond. A new gauge has recently been supplied.
 Previously some 30 yds nearer stream and near somewhat steep slopes
 south of stream. In view of shelter by dam this would be not very much
 overexposed.

S. moved in April 1923 80 yds away W.N.

Position of Station on reduced Ordnance Survey } No. of Map _____
 Map, 2 miles to 1 inch Series

Reference No. _____

Date.	Lat. N.	Long.	Railway Station.	Distance from gauge	Direction	Parish Church.	Distance from gauge	Direction

RAINFALL at Nidderdale (West Houses)County of West RidingObserver Bradford Corp. W.W.River Basin Ouse-Nidd-II.W Newlands Esq. C.E.Type of Gauge SnowdonThe Engineer, Bradford W.W.Annual Average 52.5 in. based on 42 years obs. un-weighted. Period of average 1881-1915 Ref. 5

660554/26

Diameter	5.											
Height	1.0.											
Altitude	1165.											
Year	1931	1932	1933	1934	1935	1936	1937	1938	1939	1940	Mean	Total
January	3.00	9.38	4.30	6.78	2.80	8.83	8.65	11.04	10.80	2.58	68.16	
February	4.93	1.88	9.32	5.4	10.59	3.97	8.03	3.25	7.56	3.59	52.66	
March	1.88	4.53	3.46	5.63	2.28	4.45	3.67	2.07	4.30	4.43	36.70	
April	4.49	6.47	2.28	5.59	5.27	2.19	3.95	.70	3.05	3.52	37.51	
May	4.26	6.29	3.85	5.49	1.37	2.18	4.19	4.65	1.37	1.68	35.33	
June	6.94	3.10	2.05	2.97	5.42	7.05	2.66	4.99	1.71	.63	37.52	
July	5.57	5.21	5.35	1.62	1.80	5.22	3.15	5.86	5.16	5.52	44.46	
August	5.44	1.79	1.21	5.48	1.82	3.7	3.16	4.98	3.43	1.57	32.65	
September	4.58	5.77	3.02	4.83	9.54	3.20	3.02	2.12	3.02	3.94	43.64	
October	3.00	7.44	4.00	9.29	10.44	5.55	3.19	16.43	5.09	6.28	71.31	
November	9.56	6.12	3.04	3.61	10.90	6.58	1.65	9.61	10.15	9.25	72.49	
December	4.59	3.87	1.02	10.56	3.80	6.26	4.89	5.89	3.89	5.37	50.74	
TOTALS	58.24	60.87	45.60	62.39	66.03	60.35	50.21	71.59	59.53	48.36	583.17	
	D	D	D	D	D	D	D	D	D	D	D	

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

Station No. T.F. 3374

RAINFALL at Niddardale (West Hamstead) ✓

41

County of West Riding Observer The Engineer

River Basin Ouse - Nidd - 11 Bradford W/V

Type of Gauge Standard

Annual Average 52.5 in. based on 12 years obs. un-weighted. Period of average 1881-1915 Ref. S

57.76 1916-50 File No. 660554/26

Diameter	5"			057	403							
Height	1' 0"				1							
Altitude	1165'				41							
Year	1941	1942	1943	1944	1945	1946	1947	1948	1949	1950	Means	Totals
January	4.22	4.77	9.89	7.73	7.43	7.34	5.62	11.24	4.88	4.62	67.74	
February	6.70	2.10	6.23	4.12	8.98	7.11	6.77	5.94	6.04	9.37	63.36	
March	5.20	3.05	3.01	5.2	2.06	2.62	10.11	4.50	1.81	3.06	35.94	
April	3.10	2.86	3.74	3.32	4.15	2.53	8.86	5.03	8.07	5.44	47.10	
May	2.85	3.79	5.51	2.83	5.54	3.90	3.07	2.61	2.24	2.64	35.01	
June	7.1	1.03	4.22	4.06	6.25	4.19	4.31	6.41	1.18	2.41	35.27	
July	1.34	4.48	3.00	3.07	3.42	4.63	2.30	1.68	3.69	4.18	32.29	
August	5.03	5.30	7.25	3.35	5.27	8.90	.33	5.30	3.24	9.04	53.66	
September	4.0	2.78	6.06	8.25	4.71	8.97	4.60	5.15	1.82	8.79	51.53	
October	6.42	5.78	4.26	8.18	9.34	2.63	1.94	2.84	7.57	4.27	53.23	
November	4.66	2.39	4.33	11.81	1.51	12.51	9.70	3.93	7.97	8.08	66.89	
December	1.85	6.95	3.66	6.74	4.63	6.02	4.54	7.68	12.20	2.67	56.78	
TOTALS	43.01 D	45.88 D	61.167 D	63.98 D	63.29 D	71.35 D	62.65 D	62.31 D	60.76 D	64.41 D	598.80	

1943 Print with lining

1948 Engineer unable to account for apparent increase 4/49

1950 Printed; but big.

big

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. 3374 ^{7.5 46}RAINFALL at Midderdale (West House) 51County of West Riding - Yorks. Observer J.H. Engineer,River Basin Don - Ridd - II Bradford W.D.Type of Gauge London 110.4274/46 (2 in mm)Annual Average 52.5 in. based on 42 years obs. un-weighted. Period of average 1881-1915 Ref. S
" 57.76 " " 41 " " 1916-57 " " 1916-50 66.54/26 E.22802/58
File No. 66.54/26

Diameter ...	5"			057	403						5"	
Height ...	1'0"				1						1'0"	
Altitude ...	1165'				51						1165'	
Year ...	1951	1952	1953	1954	1955	1956	1957	1958	1959	1960	Means	
January ...	5.80	4.99	1.55	4.97	3.78	5.63	8.99	6.65	6.09	8.35	56.40	
February ...	5.50	1.15	4.30	2.80	2.79	2.70	5.58	7.45	.97	5.97	39.21	
March ...	5.18	5.28	1.14	4.36	2.27	2.12	5.09	2.94	3.68	3.29	35.15	
April ...	3.97	2.86	4.51	1.79	1.19	2.26	.54	1.61	6.02	4.01	28.76	
May ...	7.16	2.65	2.54	5.41	5.11	1.94	2.79	6.39	1.58	2.05	37.62	
June ...	1.55	2.30	3.45	3.02	2.72	3.83	1.74	4.22	2.74	2.38	27.95	
July ...	2.31	1.86	6.17	3.65	1.20	5.52	4.20	5.21	3.85	8.28	42.25	
August ...	5.52	5.84	5.54	7.22	1.57	9.98	8.09	3.88	1.11	4.18	52.93	
September ...	3.74	5.84	5.13	6.15	3.19	4.50	5.44	6.94	.29	4.29	45.51	
October ...	3.00	5.86	2.87	11.55	3.43	4.23	7.02	5.27	7.43	7.84	58.50	
November ...	13.14	3.15	6.11	10.89	3.59	1.86	3.43	1.66	8.77	11.62	64.22	
December ...	11.54	5.72	3.69	5.00	8.93	7.39	6.10	6.51	13.51	7.49	75.88	
TOTALS ...	68.41	47.50	47.00	66.81	39.77	51.86	59.01	58.73	56.04	69.25	564.38	
	D	D	D	D	D	D	D	D	D	D		

Imp'd. Aldersdale of 1/2 gauge round, little to be provided & not kept near.

Site on rather uneven ground. Slightly higher on average E-N-E down valley, adequately sheltered without obstacles.

1956 Sept 21 at 10.03

Imp'd. Aldersdale of 1/2 gauge round, little to be provided & not kept near. Slightly higher on average E-N-E down valley, adequately sheltered without obstacles.

Imp'd. Aldersdale of 1/2 gauge round, little to be provided & not kept near. Slightly higher on average E-N-E down valley, adequately sheltered without obstacles.

Position of Station on Ordnance One-Inch map :

No. of Map 90National Grid Reference 446104.2.766

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
	✓ up 12	✓ but - 20-24	✓	✓ up 49	