

# RAINFALL AT *Standedge Castle*

80

Lat. ....

Lon. ....

County of

*Yorks*

Rain Gauge, by

Observer

*J. H. Bateman Esq. L.C.**Mersey Upper H.*

Diameter ....											
Height .....								4 6			
Altitude ....								876			
Year.....	1880	1881	1882	1883	1884	1885	1886	1887	1888	1889	MEANS.
January ....								1.58	1.64	2.32	
February ....								1.01	.49	1.94	
March .....								1.78	2.74	2.36	
April .....								1.62	3.39	3.56	
May .....								2.18	.81	2.22	
June .....								.47	2.92	.63	
July ..								2.02	7.41	4.11	
August .....								1.69	3.87	7.79	
September...								5.30	1.98	3.35	
October ....								3.63	2.15	5.80	
November...								2.53	7.75	2.20	
December ....								2.83	2.93	3.13	
TOTALS ....								26.64	38.08	39.41	

# RAINFALL AT *Standedge Castleham*

Lat. \_\_\_\_\_

Lon. \_\_\_\_\_

County of *York W.R.*

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

Observer

*G. H. Hill Esq. C.E.*

*C. J. Batty Esq. C.E.*

*Traverse - Upper 4*

Diameter ....	...					8						
Height .....	...					4	6					
Altitude ....	<i>876</i>											
Year .....	1890	1891	1892	1893	1894	1895	1896	1897	1898	1899	MEANS.	
January ....	<i>4.77</i>	<i>3.23</i>	<i>3.17</i>	<i>1.30</i>	<i>3.86</i>	<i>2.43</i>	<i>2.11</i>	<i>1.67</i>	<i>3.27</i>	<i>6.15</i>	<i>3.196</i>	
February ....	<i>.88</i>	<i>35</i>	<i>2.08</i>	<i>5.24</i>	<i>5.97</i>	<i>.57</i>	<i>2.23</i>	<i>2.27</i>	<i>3.45</i>	<i>1.40</i>	<i>2.444</i>	
March .....	<i>4.25</i>	<i>1.89</i>	<i>.79</i>	<i>1.04</i>	<i>4.03</i>	<i>4.17</i>	<i>5.97</i>	<i>4.48</i>	<i>1.72</i>	<i>2.38</i>	<i>3.072</i>	
April .....	<i>1.84</i>	<i>2.12</i>	<i>1.38</i>	<i>.82</i>	<i>2.39</i>	<i>2.67</i>	<i>2.00</i>	<i>3.43</i>	<i>2.85</i>	<i>3.58</i>	<i>2.308</i>	
May .....	<i>3.61</i>	<i>3.70</i>	<i>4.94</i>	<i>2.64</i>	<i>2.76</i>	<i>1.28</i>	<i>.77</i>	<i>1.56</i>	<i>3.24</i>	<i>3.42</i>	<i>2.792</i>	
June .....	<i>3.68</i>	<i>2.06</i>	<i>3.69</i>	<i>2.88</i>	<i>3.63</i>	<i>4.64</i>	<i>3.17</i>	<i>4.18</i>	<i>4.08</i>	<i>1.50</i>	<i>3.351</i>	
July .....	<i>3.47</i>	<i>4.06</i>	<i>3.49</i>	<i>4.26</i>	<i>3.78</i>	<i>8.78</i>	<i>3.54</i>	<i>1.70</i>	<i>.69</i>	<i>1.57</i>	<i>3.5311</i>	
August .....	<i>6.14</i>	<i>9.34</i>	<i>4.32</i>	<i>2.91</i>	<i>4.17</i>	<i>4.78</i>	<i>2.96</i>	<i>4.42</i>	<i>5.92</i>	<i>2.33</i>	<i>4.729</i>	
September....	<i>1.83</i>	<i>3.93</i>	<i>4.95</i>	<i>4.28</i>	<i>.51</i>	<i>1.73</i>	<i>8.00</i>	<i>4.90</i>	<i>.75</i>	<i>6.90</i>	<i>3.778</i>	
October .....	<i>3.96</i>	<i>6.71</i>	<i>8.15</i>	<i>3.65</i>	<i>5.13</i>	<i>4.44</i>	<i>5.78</i>	<i>2.60</i>	<i>5.51</i>	<i>4.45</i>	<i>5.038</i>	
November....	<i>5.71</i>	<i>4.19</i>	<i>3.41</i>	<i>3.71</i>	<i>2.74</i>	<i>3.21</i>	<i>1.64</i>	<i>5.66</i>	<i>2.71</i>	<i>1.30</i>	<i>3.1138</i>	
December ....	<i>.59</i>	<i>8.56</i>	<i>2.18</i>	<i>4.55</i>	<i>4.01</i>	<i>4.68</i>	<i>5.74</i>	<i>5.04</i>	<i>4.88</i>	<i>2.22</i>	<i>4.245</i>	
TOTALS . . .	<i>40.73</i>	<i>50.14</i>	<i>42.55</i>	<i>37.28</i>	<i>42.98</i>	<i>43.48</i>	<i>43.91</i>	<i>41.91</i>	<i>39.07</i>	<i>37.20</i>	<i>41.925</i>	

*1897 Delft Church 1 1/2 miles S*  
*Hills 200 ft 1000 yards W*

## RAINFALL AT

Standedge Castlehow Broadhead

Lat. ....

Lon. ....

County of

York W.R. Central

Rain Gauge, by

Rain Gauge, by

Observer

C. J. Batley Esq. C.E.

Mersey  
Upper 4

Diameter ..	8										
Height ....	4.6										
Altitude ..	876 ft										
Year ....	1900	1901	1902	1903	1904	1905	1906	1907	1908	1909	MEANS.
January ..	4.86	2.16	2.61	3.87	3.96	2.21	5.06	1.69	3.33	2.74	3.249
February ..	3.79	1.63	1.19	4.07	3.52	2.04	3.54	2.31	3.25	2.14	2.748
March ....	.91	2.98	2.28	5.57	2.29	3.86	3.72	3.30	3.20	3.41	3.152
April .....	2.60	2.71	1.83	2.23	2.88	3.15	2.01	2.80	2.13	3.85	2.619
May .....	1.38	1.44	3.04	3.39	3.67	.57	3.93	4.08	2.64	2.31	2.645
June .....	5.96	1.87	1.29	1.51	.92	2.90	1.51	7.23	2.52	2.85	2.856
July .....	3.54	3.13	2.74	4.03	1.48	2.29	2.35	3.18	5.30	6.62	3.466
August ....	5.50	2.34	3.60	5.17	4.41	4.65	3.80	4.02	4.34	3.24	4.107
September ..	1.58	.80	2.47	5.80	1.76	3.31	1.44	.96	4.01	2.84	2.497
October ....	5.84	3.64	5.07	9.29	1.74	3.87	7.59	6.58	1.50	6.32	5.144
November ..	3.53	6.11	1.78	3.61	3.52	5.22	4.43	3.23	2.37	1.65	3.545
December ..	5.61	5.16	3.50	2.35	3.36	.95	3.87	4.52	3.16	7.27	3.975
TOTALS ..	45.10	33.97	31.40	50.89	33.51	35.02	43.25	43.90	37.75	45.24	40.003

1900 Delph Church 1/2 mile S  
 House 25 ft high 750 ft S  
 Delph Station 1/2 mile SSE



RAINFALL at Standedge Catterham BroadheadCounty of W.R. Yorkshire Observer C. J. Batley Esq. C.E.River Basin Upper Mersey 4Smoothen Rain Gauge, by Casatelli

Diameter ...	8											
Height .....	4.6											
Altitude ...	876 ft									875		
Year ...	1910	1911	1912	1913	1914	1915	1916	1917	1918	1919	MEANS.	
January ...	5.24	1.53	3.77	3.64	3.75	6.88	3.65	3.27	2.72	5.20		
February ...	4.21	4.71	2.00	1.30	2.76	4.07	5.34	1.01	7.03	1.28		
March .....	.86	2.11	5.23	4.91	5.00	1.66	2.97	3.02	2.09	5.36		
April .....	3.81	2.90	1.27	4.36	1.91	1.75	3.23	2.27	1.80	2.42		
May .....	3.06	1.28	3.92	2.84	2.39	1.74	2.86	2.15	2.83	2.02		
June .....	4.82	3.53	4.59	3.30	3.36	.98	4.14	2.05	2.03	2.14		
July .....	5.01	.66	5.38	1.36	4.79	5.83	2.65	2.05	4.93	3.01		
August .....	5.23	2.96	7.27	2.60	3.15	6.38	3.29	8.54	3.78	3.86		
September ..	.27	3.87	1.99	1.81	2.79	.78	2.92	2.60	13.39	2.14		
October ...	3.51	3.42	4.93	2.84	2.64	1.91	7.61	8.51	3.63	3.87		
November ..	4.58	5.51	2.70	4.66	5.46	1.86	3.74	4.50	2.14	3.99		
December ...	4.48	5.91	6.25	3.07	6.85	7.79	3.16	2.93	8.13	7.20		
TOTALS ...	45.08	38.49	50.30	36.69	44.85	41.63	45.56	42.90	54.70	42.49		
	2	2	2	2	2	2	2	2	2	2		

1912 House 25 ft high 250 yds S

Rejected from survey 7" bar.

Date.	Lat. N.	Long.	Railway Station.	Distance.	Direction.	Church.	Distance.	Direction.
			Delph	1 1/4 miles	SSE	Delph	1 1/2 m	S

RAINFALL at Standedge (Gas. Shaw Broadhead)County of Yorkshire W.R. Observer G. J. Batley Esq. C.E.River Basin Upper Mersey - 4 Oldham W.R.Sancton Rain Gauge, by Cassella  
(1929) 3m.O.

NEW GAUGE

Diameter ...			8									
Height .....				1								
Altitude ...				857						957		
Year .....	1920	1921	1922	1923	1924	1925	1926	1927	1928	1929	1930 MEANS.	
January ...				5.21	3.84	4.77	5.51	5.70	12.86	2.42	7.64	
February ...				6.87	1.67	7.54	4.72	2.03	6.65	1.07	1.25	
March .....				2.81	1.87	2.56	2.47	7.05	5.30	1.52	3.85	
April .....				4.15	2.68	3.78	2.60	5.73	1.56	1.98	4.54	
May .....				5.54	6.92	4.62	6.78	2.03	2.41	3.94	3.19	
June .....				1.57	3.98	.16	4.28	5.40	8.20	1.64	2.50	
July .....	see old gauge.			6.07	4.69	2.75	4.01	3.57	2.62	3.22	9.16	
August .....				6.14	6.46	4.98	5.73	2.59	6.93	7.03	7.46	
September...			4.55	5.05	6.43	4.52	4.08	8.02	.81	2.46	5.09	
October .....			1.56	6.06	7.47	7.54	5.01	5.75	6.32	6.52	7.64	
November...			4.04	8.69	2.11	3.74	6.21	6.05	8.54	10.08	6.49	
December...			6.15	4.92	6.67	4.60	3.16	1.63	4.20	8.77	4.53	
TOTALS...				63.08	53.79	51.56	54.56	61.55	64.40	50.65	63.34	

1923. House 25ft high 120yds away towards S.W.

see inseted C.D. 7.7.22. 100yds. S.W. of old g. in little hollow. Bank  
of. hgt 20yds. N.E. Wall 5ft high 20yds. S.W. Excellent position.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	Parish Church.	Distance from gauge	Direction
1923	53°35'15"	2°02'00"	Delph	12m	S.S.E.	Delph	12m	S.

RAINFALL at Standedge Castle Shaw RoadheadCounty of N. B. YorkshireObserver G. J. Batley Esq. C.E.River Basin Upper Mersey 4Oldham W.D.(122) M.O. Snowdon Rain Gauge, by BaranelliGlass certified

Diameter ...	8										
Height .....	4.6										
Altitude ...	875										
Year .....	1920	1921	1922	1923	1924	1925	1926	1927	1928	1929	MEANS.
January ...	4.88	7.16	3.53	4.12	3.44	4.11					
February ...	4.35	5.53	5.18	5.82	1.43	6.69					
March .....	3.42	4.14	3.60	2.45	1.69	2.04					
April .....	6.70	2.08	3.67	3.63	2.29	3.11					
May .....	7.05	2.58	1.87	4.92	6.45	4.18					
June .....	3.15	5.51	3.44	1.14	3.66	1.11					
July .....	10.30	1.82	5.93	5.66	4.13	2.58					
August .....	3.01	6.65	6.98	5.58	5.86	4.56					
September...	2.81	1.44	3.90	4.53	5.73	4.01					
October .....	1.77	2.88	1.31	5.51	6.68	6.65					
November...	2.42	2.68	3.34	7.55	2.65	3.18					
December...	3.99	7.25	4.50	4.16	5.86	4.16	see new gauge.				
TOTALS...	53.86	59.69	47.25	55.07	49.87	45.38					
	D	D	D	D	D	D					

1920 House 25 ft high 250 yds S.

Inspected 13.7.22. 1/2 in 4 ft pedestal, funnel ends flush. At time of inspection rain was falling & no splashing occurred. Nearby flat woodland at bottom of gently sloping valley with hills all round. Ground slopes slightly to reservoir 50 yds SW.

1924 N.P. Gauge overexposed.

1925 Not printed check gauge.

Rejected from Survey 7.12.22

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
1920			Delph	1 1/4 mi	SSE	Delph	1 1/2 mi	S
1923	53° 35' 20"	2° 0' 14"						



RAINFALL at Standedge (Cas Shaw Broadh'd.) newsg.County of West Riding Observer C. J. Batley, Esq., C.E.River Basin Mersey - Upper - 4 C. J. Batley, Esq., (1938)Type of Gauge M.O.Annual Average 51.5 in. based on 7 years obs. un-weighted. Period of average 1881-1917 Ref 660607/26

Diameter	8.										
Height	1.0.										
Altitude	957										
Year	1931	1932	1933	1934	1935	1936	1937	1938	1939	1940	Means
January	7.34	6.75	3.76	4.48	2.68	4.53	5.10	7.02	6.64	2.47	
February	7.63	.66	5.43	.56	6.82	3.44	7.35	2.65	5.79	2.76	
March	.53	3.79	5.08	4.37	2.53	3.86	3.27	1.75	4.13	3.91	
April	5.41	5.03	2.40	3.19	4.38	2.51	3.66	.79	3.47	3.68	
May	3.40	6.64	2.20	3.56	1.27	1.96	2.88	5.14	2.61	1.15	
June	8.38	.76	4.07	3.15	4.78	5.68	2.94	5.80	4.39	1.17	
July	6.91	5.68	4.87	5.29	2.53	5.09	2.89	5.00	8.07	5.07	
August	8.09	2.22	2.39	4.57	2.67	2.94	2.09	4.40	2.72	2.98	
September	5.22	6.60	2.77	4.28	8.54	6.47	2.37	2.40	1.40	5.68	
October	3.20	8.98	5.78	6.51	11.65	6.33	3.17	11.61	3.75	5.68	
November	8.08	4.44	2.69	3.14	7.96	7.28	3.39	6.22	8.56	9.06	
December	2.86	2.84	0.85	6.83	4.19	5.35	3.38	6.09	4.67	5.87	
TOTALS	67.05	54.39	42.29	49.93	60.00	58.44	42.49	58.87	56.60	49.48	

1931. House 25' high 120 yds SW.

1940. Jan. part cold

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
1931			Delph	1 3/4 mi	SSE	Delph	1 1/2 mls	S

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

RAINFALL at Standedge (near Shaw Broadhid) Station No. 3101 41  
 County of West Riding Observer C. Bursfield, Esq.  
 River Basin Thames Upper 4  
 Type of Gauge M.O.

Annual Average 51.5 in. based on 7 years obs. un-weighted. Period of average 1881-1915 Ref. 5

File No. 660607 26

Diameter	8			559	483						
Height	10				1						
Altitude	957			41		857					
Year	1941	1942	1943	1944	1945	1946	1947	1948	1949	1950	Means
January	1.91	5.36	6.93	8.01	5.60	6.47	4.43	11.29	2.79	3.88	
February	6.90	1.05	4.11	3.29	7.09	8.78	1.25	4.11	3.57	6.86	
March	6.50	3.29	2.25	1.17	1.92	2.45	7.44	2.33	2.34	2.77	
April	4.40	3.00	3.22	3.70	3.47	2.67	5.63	2.97	5.51	5.10	
May	3.50	6.00	3.13	5.02	4.69	2.50	3.53	2.23	4.47	3.02	
June	1.51	1.59	4.50	5.12	6.98	4.31	3.36	5.44	1.05	2.79	
July	2.76	5.79	3.82	5.01	2.44	6.77	2.94	2.54	3.15	4.95	
August	9.29	6.30	7.39	5.57	3.82	6.96	.45	6.34	3.38	7.23	
September	.89	3.41	6.00	6.29	3.80	8.20	3.82	3.45	2.08	8.62	
October	6.42	7.36	3.61	5.37	7.96	1.45	1.60	4.23	5.47	3.18	
November	4.04	1.72	4.56	10.07	1.31	9.06	8.72	2.78	8.29	7.88	
December	3.49	4.63	3.25	5.25	3.79	4.81	5.53	4.89	9.63	4.44	
TOTALS	51.67 D	51.06 D	52.77 D	63.87 D	52.87 D	64.33 D	48.70 D	52.60 D	51.73 D	60.77 D	

941 House 25' high 120 yds. S.W.

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.
1941			Delph	1 1/2 m.	S.S.E	Delph	1 1/2 m.	S.

BRITISH RAINFALL ORGANIZATION



Station No. 3101RAINFALL at Standedge (Castle How Broadhead)

51

County of West Riding, Yorks Observer E. Busfield Esq.River Basin Messy - Upper - 4Type of Gauge M.O.Annual Average 51.5 in. based on 7 years obs. un-weighted. Period of average 1881-1915 Ref. S  
" " 54.58 " " 34 " " with 1923-56 " " 1916-50 File No. 66067/26

Diameter ...	8"			559	483						
Height ...	1' 0"				1						
Altitude ...	857'				51						
Year ...	1951	1952	1953	1954	1955	1956	1957	1958	1959	1960	Means
January ...	6.00	5.71	2.61	4.90	3.20	5.46	4.79	4.52	4.57	7.04	
February ...	3.94	1.95	2.91	3.77	3.06	1.90	3.74	7.05	.63	2.86	
March ...	6.50	3.55	3.06	3.34	3.04	1.73	4.42	2.62	2.29	1.69	
April ...	3.79	4.37	4.33	1.08	2.62	4.45	.67	1.72	5.16	2.78	
May ...	4.01	2.94	3.42	4.40	5.09	2.36	1.58	4.55	2.79	2.27	
June ...	1.20	4.23	4.12	4.05	3.87	4.28	2.41	6.04	2.67	2.26	
July ...	4.75	3.80	8.35	6.40	1.32	8.02	5.00	5.11	4.47	8.73	
August ...	7.01	4.92	6.76	7.03	.84	13.41	6.52	5.34	.77	6.96	
September ...	3.78	4.96	3.61	6.66	3.43	4.68	6.69	6.61	.48	3.87	
October ...	1.66	7.16	2.75	9.10	2.88	3.72	6.82	4.71	4.94	6.23	
November ...	10.49	3.22	5.32	7.02	2.29	2.32	3.55	1.92	5.40	7.64	
December ...	8.98	5.22	2.12	8.07	6.36	6.07	5.36	5.40	7.70	5.42	
TOTALS ...	62.11	52.03	49.36	65.82	38.00	57.40	51.55	55.59	44.87	57.75	
	D	D	D	D	D	D	D	D	D	D	

1951. House 25' high 120° SW.

1954. 1/2 off? Com. and 1958

1957 n.p. low

1958 n.p. low.

1959: n.p.

Position of Station on Ordnance One-Inch map: No. of Map..... National Grid Reference SD(34)996102

Date.	Lat. N.	Long.	Railway Station.	Distance Direction from gauge	Parish Church.	Distance Direction from gauge.
1951			Delph	1 1/4 m. S.E.	Delph	1 1/2 m. S.

Summary of Earlier Records from 10-year Sheets:

Record D, or d	1910-19	1920-30	1931-40	1941-50	1951-60
	✓	1920-22 NG 23-30 ✓	✓	✓	