

RAINFALL AT *Bingley, Sunnydale*

80

Lat.

Lon. County of *York, W. R.*

Rain Gauge, by

Observer *W. E. Ambler*

Cuse-Aire - 9

920 26

A. R. Binnie, Esq

Diameter	<i>5</i>										
Height	<i>1. 0</i>										
Altitude	<i>950 T</i>					<i>975 T</i>					
Year	1880	1881	1882	1883	1884	1885	1886	1887	1888	1889	MEANS.
January	<i>.96</i>	<i>.34</i>	<i>3.19</i>	<i>4.43</i>	<i>5.94</i>	<i>2.02</i>	<i>4.57</i>	<i>1.61</i>	<i>1.14</i>	<i>1.17</i>	<i>2.537</i>
February	<i>3.05</i>	<i>3.12</i>	<i>2.87</i>	<i>2.16</i>	<i>3.43</i>	<i>2.35</i>	<i>.61</i>	<i>.67</i>	<i>.87</i>	<i>1.50</i>	<i>2.063</i>
March	<i>1.86</i>	<i>3.37</i>	<i>3.54</i>	<i>.73</i>	<i>2.35</i>	<i>1.82</i>	<i>1.86</i>	<i>1.33</i>	<i>3.07</i>	<i>1.47</i>	<i>2.150</i>
April	<i>2.38</i>	<i>1.46</i>	<i>4.24</i>	<i>3.57</i>	<i>2.42</i>	<i>2.31</i>	<i>2.60</i>	<i>.99</i>	<i>2.86</i>	<i>2.58</i>	<i>2.541</i>
May	<i>2.23</i>	<i>2.26</i>	<i>1.54</i>	<i>1.22</i>	<i>1.59</i>	<i>3.11</i>	<i>4.80</i>	<i>1.87</i>	<i>1.18</i>	<i>2.46</i>	<i>2.226</i>
June	<i>3.73</i>	<i>2.35</i>	<i>4.15</i>	<i>3.53</i>	<i>.58</i>	<i>2.72</i>	<i>1.33</i>	<i>.12</i>	<i>2.09</i>	<i>.46</i>	<i>2.106</i>
July	<i>5.44</i>	<i>4.70</i>	<i>4.53</i>	<i>4.22</i>	<i>5.45</i>	<i>1.16</i>	<i>3.57</i>	<i>1.62</i>	<i>5.09</i>	<i>2.67</i>	<i>3.845</i>
August	<i>1.89</i>	<i>4.29</i>	<i>2.52</i>	<i>2.04</i>	<i>1.26</i>	<i>1.97</i>	<i>1.93</i>	<i>2.01</i>	<i>2.72</i>	<i>4.77</i>	<i>2.540</i>
September	<i>4.45</i>	<i>3.34</i>	<i>2.92</i>	<i>6.83</i>	<i>2.31</i>	<i>4.05</i>	<i>2.37</i>	<i>4.25</i>	<i>.72</i>	<i>1.33</i>	<i>3.257</i>
October	<i>3.42</i>	<i>4.77</i>	<i>4.50</i>	<i>4.91</i>	<i>1.90</i>	<i>6.04</i>	<i>5.08</i>	<i>2.19</i>	<i>.79</i>	<i>4.52</i>	<i>3.822</i>
November	<i>3.29</i>	<i>4.43</i>	<i>5.13</i>	<i>3.51</i>	<i>1.52</i>	<i>2.67</i>	<i>2.54</i>	<i>2.81</i>	<i>6.90</i>	<i>1.04</i>	<i>3.484</i>
December	<i>4.60</i>	<i>2.53</i>	<i>3.14</i>	<i>2.16</i>	<i>4.28</i>	<i>1.02</i>	<i>4.25</i>	<i>1.98</i>	<i>1.92</i>	<i>1.64</i>	<i>2.752</i>
TOTALS	<i>37.30</i>	<i>36.96</i>	<i>43.47</i>	<i>59.31</i>	<i>33.03</i>	<i>31.24</i>	<i>35.51</i>	<i>21.45</i>	<i>29.35</i>	<i>25.61</i>	<i>33.323</i>

RAINFALL AT *Bingley Sunnydale*

Lat. _____

Lon. _____

County of _____

York W.R.

Rain Gauge, by _____

Observer _____

*J. Webster Esq. C.E.
J. Watson Esq. C.E.*
Cuse - Air 9 No. 6

Diameter	5											
Height	1 0											
Altitude	975 T									825		
Year	1890	1891	1892	1893	1894	1895	1896	1897	1898	1899	MEANS.	
January	3.63	1.58	2.46	1.19	3.92	3.72	1.18	2.28	2.31	5.18		
February ....	.79	.11	2.57	3.70	4.97	.43	1.41	2.77	2.81	2.34		
March	2.58	1.59	1.09	1.01	2.56	2.88	3.74	4.14	1.84	1.81		
April	1.01	1.78	.95	1.22	2.72	2.23	2.09	2.05	2.80	2.51		
May	2.97	2.37	3.18	2.06	1.47	.59	.74	1.28	2.54	2.50		
June	3.38	1.21	4.31	2.44	3.02	2.50	4.74	3.64	2.12	1.25		
July	2.38	4.12	2.00	3.02	3.36	6.16	2.78	1.08	1.13	2.60		
August	5.41	6.01	3.22	2.94	3.01	3.61	1.77	4.32	3.79	2.00		
September....	2.14	2.27	2.21	2.21	.59	1.85	5.28	3.73	.85	4.87		
October	1.62	4.46	7.97	3.43	4.42	3.67	4.57	1.75	5.30	3.00		
November....	4.83	3.35	1.84	2.42	1.74	4.79	1.79	3.37	6.00	1.43		
December ....	.83	6.83	1.02	3.76	2.63	3.72	3.90	4.13		3.39		
TOTALS ...	31.57	35.68	32.82	29.40	34.41	36.15	33.99	34.54	31.40	32.88	33.29	

1898 Nov. 26th G. moved 70 yards S.W.

Dear estimated

RAINFALL AT

Brigley Sunnydale

Lat.

Lon.

County of

York W.R. Central

Rain Gauge, by

Observer.

J. Watson Esq. C.E.

Case. Case 9.

Diameter ..	5											
Height	1.0											
Altitude ..	825											
Year	1900	1901	1902	1903	1904	1905	1906	1907	1908	1909	MEAN.	
January ..	4.42	2.29	2.01	3.05	3.61	1.28	3.92	1.08	1.86	1.59	2.511	
February ..	4.24	1.38	1.14	4.50	4.07	2.18	1.86	1.19	2.16	1.18	2.390	
March ....	.80	2.58	1.94	5.38	2.05	3.04	1.86	2.15	3.16	2.62	2.558	
April	1.67	2.74	1.73	1.88	2.67	2.21	1.15	2.00	2.34	3.00	2.139	
May	1.67	1.23	3.09	2.92	3.10	.72	3.07	2.91	2.43	2.70	2.384	
June	3.47	1.15	1.89	2.04	1.42	2.45	2.32	4.25	1.00	2.97	2.296	
July	5.83	1.38	2.90	5.40	1.95	1.31	2.59	3.04	3.37	3.33	3.110	
August	5.22	1.80	3.65	4.11	3.84	4.82	3.24	2.30	2.44	3.27	3.469	
September ..	1.00	1.65	1.58	5.03	.86	.34	.58	.66	3.43	2.60	1.773	
October	4.31	2.21	4.25	9.81	1.23	1.76	5.66	4.95	1.90	2.57	3.865	
November ..	3.46	4.92	2.73	2.54	2.88	4.63	3.41	1.99	2.46	.98	3.000	
December ..	3.59	4.79	3.54	1.80	2.37	.65	2.14	3.19	2.34	3.82	2.823	
TOTALS ..	39.68	28.12	30.45	48.46	30.05	25.39	31.80	29.71	28.89	30.63	32.318	

H. H. H.

RAINFALL at

Dingley Sunnydale

10 3298

No 26

County of *W Yorkshre*

Observer *W J Watson Esq C.E.*

River Basin *Ona - Aire* 7

L Mitchell Esq C.E.

Rain Gauge, by

Diameter ...	5										
Height	1 0										
Altitude ...	825										
Year ...	1910	1911	1912	1913	1914	1915	1916	1917	1918	1919	MEANS.
January ...	3.82	1.24	4.54	3.50	2.37	4.48	3.19	2.25	2.64	3.84	
February ...	3.24	3.46	2.31	1.43	2.45	4.55	4.84	.71	4.22	2.02	
March .....	.57	1.46	4.29	4.63	3.69	1.31	3.57	2.53	1.25	3.44	
April	3.04	1.14	.65	3.58	.97	1.22	2.00	1.41	1.08	1.78	
May	2.05	.79	2.92	2.95	1.26	1.99	2.28	2.53	3.77	2.57	
June	2.33	3.84	6.91	1.58	3.54	.84	2.32	1.59	1.14	.87	
July	3.08	.44	4.42	.85	3.09	4.73	1.90	1.47	3.95	2.48	
August	4.73	1.82	5.79	1.43	2.03	4.65	2.57	5.73	2.49	2.59	
September ..	.20	2.99	1.79	1.63	1.85	.75	2.41	1.42	7.32	.88	
October ...	4.11	3.13	3.83	2.78	2.70	1.28	7.26	5.39	2.38	2.92	
November ..	3.76	3.58	2.34	3.02	5.35	2.22	3.63	3.07	1.46	2.91	
December ...	4.03	4.79	3.87	2.30	6.90	7.16	2.87	1.46	5.14	4.91	
TOTALS ...	34.96	28.68	43.66	29.68	36.23	35.08	38.84	29.56	36.84	31.21	

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

RAINFALL at Bingley Sunnydale ReservoirCounty of W. R. YorkshireObserver L. Mitchell-Esg. G. E.River Basin Cuse - Aire 9Eng: Bradford~~Sunnydale~~ Rain Gauge, by J. O. (127)W. Newlands, Esq. L. P. (1930)

Diameter ...	5											
Height	10											
Altitude ...	825											
Year	1920	1921	1922	1923	1924	1925	1926	1927	1928	1929	1930	MEAN
January ...	3.75	5.33	3.47	2.16	5.26	3.83	2.80	2.52	6.58	1.75	5.03	
February ...	2.80	2.4	2.71	6.42	1.31	6.28	2.40	1.45	(4.00)	.58	1.23	
March	2.42	1.68	2.69	2.41	1.48	1.49	1.05	2.75	2.75	.17	2.02	
April	4.31	1.16	3.21	2.68	2.26	3.96	1.25	2.75	.98	1.07	4.09	
May	3.10	1.47	.82	3.96	5.49	4.98	2.50	1.20	1.82	1.45	2.15	
June	1.61	.09	1.73	.88	3.21	.11	2.53	2.50	4.65	.68	1.03	
July	6.15	1.41	4.39	3.54	4.15	1.57	1.95	(3.78)	.75	1.75	4.03	
August	2.03	3.73	6.10	4.36	3.88	4.37	3.05	6.12	5.23	1.95	4.07	
September...	1.71	4.6	3.51	4.39	4.65	2.36	2.09	3.90	.82	.53	4.36	
October	2.62	1.31	.85	5.55	3.70	3.75	3.45	3.52	4.75	4.52	4.03	
November...	1.92	1.73	1.89	5.47	2.61	2.15	5.09	3.32	5.75	6.23	4.57	
December...	2.90	4.11	3.47	3.79	4.05	3.10	1.20	2.30	1.65	7.02	3.15	
TOTALS...	36.32	22.72	34.84	45.61	40.25	37.95	29.26	36.11	39.13	27.70	39.76	

1927. July corr. 2 by over 2 obs.

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

RAINFALL at Bingley (Sunnydale Reservoir)County of West RidingObserver Bradford Corpn W.W.River Basin Ouse - Aire - 9W Newlands Esq. CEType of Gauge SnowdonThe Waterworks Engineer.Annual Average 33.1 in. based on 35 years obs. un-weighted. Period of average 1881-1915 Ref

660554/26

Diameter	5.											
Height	1.0.											
Altitude	825.											
Year	1931	1932	1933	1934	1935	1936	1937	1938	1939	1940	Means	
January	2.12	3.00	2.10 (5.27)	2.55	1.27	3.21	4.16	4.20	4.20	2.50	29.51	
February	2.60	.27	2.27	.30	3.92	2.70	4.62	1.38	2.98	2.15	26.19	
March	.37	2.23	1.40	1.65	1.40	2.10	2.16	.52	2.36	2.16	16.35	
April	3.10	2.50	1.60	2.67	2.90	1.19	3.24	.30	1.72	3.20	22.47	
May	2.59	(4.20)	2.75	(2.00)	.60	1.98	2.69	4.21	0.73	.48	22.23	
June	5.60	.81	2.03	1.50	2.60	3.85	2.32	3.43	2.90	.45	25.49	
July	3.62	3.80	1.96	1.10	.59	3.17	2.38	3.92	6.28	3.70	30.52	
August	3.58	.93	0.43	1.76	1.31	2.18	1.72	4.11	1.60	1.15	18.77	
September	4.00	2.84	1.50	1.90	5.97	3.18	1.39	1.47	1.00	3.10	26.35	
October	1.37	4.36	2.68	3.17	5.77	2.88	2.32	6.76	3.19	4.39	36.89	
November	5.57	2.23	2.75	1.80	6.53	3.70	1.67	4.34	6.43	5.37	40.39	
December	1.34	1.46	0.50	5.25	2.47	2.93	1.79	4.20	2.70	2.50	25.14	
TOTALS	35.86	(28.63)	(24.97)	(25.65)	35.33	33.27	30.51	38.84	36.09	31.15	320.30	

1932. May amended by surrounding stations.

1933 Feb adjusted by new stations

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

RAINFALL at Brimley (Sunningdale Reservoir) Station No. T.F. 3298 **41**County of West RidingObserver The Engineer Bradford W.River Basin Don - AireType of Gauge StandardAnnual Average 32.1 in. based on 35 years obs. ~~un~~weighted. Period of average 1881-1915 Ref.

Av. high for records to '47. Report is '48 - 1915.

File No. 660554/26

Diameter	5"		075	176							
Height	1' 0"			1							
Altitude	825'			41							
Year	1941	1942	1943	1944	1945	1946	1947	1948	1949	1950	Means Total
January	3.00	3.58	4.02	4.43	3.43	3.45	3.20	7.89	1.38	2.65	37.59
February	3.34	1.21	2.08	1.47	3.98	3.62	3.24	1.66	1.88	5.50	28.01
March	3.16	2.80	.76	.36	.86	1.52	5.31	1.49	1.40	1.49	19.15
April	2.22	1.13	1.73	2.79	1.80	1.31	3.77	2.08	2.46	3.11	22.90
May	1.82	3.42	3.24	1.91	3.84	2.22	3.26	.88	2.01	1.58	23.18
June	.80	1.36	2.70	2.18	3.18	1.75	2.97	3.50	.35	.86	19.65
July	2.14	1.97	1.84	2.80	2.55	3.85	1.77	1.02	3.09	2.78	23.84
August	4.82	2.87	2.93	2.37	4.41	5.24	.20	3.17	2.85	5.22	34.08
September	.60	1.73	3.83	5.40	1.74	5.45	1.84	1.75	.84	4.44	27.62
October	4.44	3.68	2.68	3.42	4.93	1.03	1.39	1.35	3.04	2.05	28.04
November	2.48	1.53	2.26	5.42	.50	5.21	3.90	1.41	6.29	3.94	33.24
December	1.63	2.61	1.87	4.05	1.59	2.57	3.33	3.04	5.74	1.68	28.11
TOTALS	30.84	27.89	28.94	36.66	32.81	37.72	34.18	29.24	31.83	35.30	325.41

941 Jan. total est'd. from map.
1950 Engineer states gauge in good order.

40004

290.11

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. 3298 T.C. 46RAINFALL at S. Bingley (Lansdale Reservoir) 51County of West Riding - Yorks.Observer The Engineer, Bradford W.W.River Basin Ouse - Aire - 9Type of Gauge Proton BradfordAnnual Average 33.1 in. based on 35 years obs. un-weighted. Period of average 1881-1915 Ref.File No. 66.054/26 329802/5

Diameter ...	5"		075	176								
Height ...	1'0"			1				11"				
Altitude ...	825			51								
Year ...	1951	1952	1953	1954	1955	1956	1957	1958	1959	1960	Means	
January ...	2.34	4.16	.56	3.11	1.76	4.92	2.60	2.75	(2.50)	3.50	28.20	
February ...	3.39	.76	1.70	2.90	2.45	1.56	3.06	5.45	.30	2.50	24.07	
March ...	3.63	1.51	1.04	2.45	2.62	1.39	2.32	1.87	1.20	(2.00)	20.03	
April ...	1.58	1.86	2.40	.68	.93	2.94	.33	.95	3.15	1.20	16.02	
May ...	4.01	1.65	1.75	3.25	2.60	.93	1.34	4.35	.80	2.25	22.93	
June ...	1.05	1.69	2.62	1.80	1.87	2.01	1.78	(4.50)	1.95	0.80	20.07	
July ...	2.32	1.22	3.58	2.30	.85	4.83	2.93	(3.50)	1.60	(4.90)	28.03	
August ...	4.46	4.01	2.98	6.80	1.20	6.50	5.82	(3.50)	.60	(3.70)	39.57	
September ...	2.10	3.38	3.06	2.04	1.95	4.02	4.54	3.45	.10	3.30	27.94	
October ...	1.31	3.69	2.19	4.35	2.62	1.68	3.60	2.95	3.60	4.90	30.89	
November ...	7.13	1.71	3.59	6.09	2.66	.86	2.32	.75	4.50	6.90	36.51	
December ...	5.50	2.95	1.60	3.30	4.85	4.08	4.25	4.50	5.20	(3.95)	40.18	
TOTALS ...	38.62	28.59	27.07	39.07	26.36	35.72	34.89	(38.52)	25.50	39.90	334.44	
		M	M	M	M	M	M	M	np	np		

June 1957 Turf well built: Insp. Mr. O'Hare 26.9.58 Turf well to be rebuilt: Res. discussed on public footpath runs alongside gauge is subject to interference. Retain as unsatisfactory or abandon. Suggest the latter.
 Site now exposed all directions. Turf well poor.
 1958 June, July, August est H. 0.36.

1959: np lno

1960 np to much ext.

01604 40004 10614

Annual 33.46 in. based on 33 yrs. obs. within 1916-57. 1.2 in low. Period 1916-50 - **Rejected**
 Position of Station on Ordnance One-Inch map: No. of Map 96 National Grid Reference SE (44) 099432

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
	✓	✓	✓	✓ np +9	