

RAINFALL AT *Haslingden Mitchell House*

Lat. _____ Lon. _____ County of *Lancashire*
 Rain Gauge, by _____ Observer *C. Harrison Esq*

Inwell 3

Diameter								9		5	
Height								1.6			
Altitude								990			
Year	1890	1891	1892	1893	1894	1895	1896	1897	1898	1899	MEANS.
January								1.11	3.69	8.01	
February								2.76	3.15	2.93	
March								4.56	2.49	2.71	
April								3.42	2.07	4.30	
May								2.35	3.46	3.13	
June								4.28	3.56	1.23	
July								2.16	1.06	2.64	
August								5.69	4.94	1.64	
September								4.75	1.56	8.78	
October								2.56	4.45	3.05	
November								4.15	4.12	3.29	
December								7.20	5.13	3.49	
TOTALS								44.99	39.68	45.20	

1898 Haslingden Church 3 miles S

RAINFALL AT *Haslingden Mitchell House Res*
Central
 Lat. Lon. County of *Lancashire South*
 Rain Gauge, by Observer *C. Harrison Esq.*

Ribble 1

Diameter ..	5										
Height	1.6										
Altitude ..	990										
Year	1900	1901	1902	1903	1904	1905	1906	1907	1908	1909	MEANS.
January ..	6.26	2.72	4.04	4.88	4.69	2.39	6.56	2.25	4.30	2.70	4.079
February ..	5.42	2.00	1.80	4.75	5.00	2.71	4.54	2.26	3.42	3.29	3.519
March71	3.90	2.63	6.70	2.72	4.10	3.62	4.31	3.74	2.76	3.519
April	3.17	3.19	3.05	1.86	3.24	3.80	1.79	2.01	2.74	4.38	2.923
May	2.17	1.29	3.59	3.85	2.96	.86	4.57	4.62	3.29	2.50	2.980
June	2.57	1.74	1.30	1.58	1.72	2.93	1.11	8.06	1.70	2.80	2.551
July	2.68	1.81	4.10	3.69	1.90	3.24	2.51	2.71	5.97	6.27	3.488
August	5.46	2.45	3.19	5.72	5.07	4.67	4.36	4.95	4.51	3.51	4.389
September ..	2.34	.93	1.70	5.77	1.86	3.16	1.62	1.00	4.45	3.42	2.625
October	6.45	4.30	4.74	9.92	2.17	4.09	5.08	4.92	1.92	5.88	5.248
November ..	4.35	6.96	2.85	2.96	2.98	6.19	4.72	3.19	3.58	2.00	3.978
December ..	5.87	5.99	3.84	3.23	3.72	1.08	3.88	5.64	5.18	7.96	4.439
TOTALS ..	47.45	37.28	36.83	54.91	38.03	39.22	47.36	45.92	42.91	47.47	43.738

1908 Haslingden Church 2 Miles S
 Baxenden Station

H. H. H.

RAINFALL at Wachinden Mitchell's House ReservoirCounty of Central LancashireObserver C. Harrison Esq.River Basin Ribble & C 1A. V. Harrison Esq. (1905)

Rain Gauge, by _____

Diameter ...	5										
Height	1 6										
Altitude ...	990										
Year ...	1910	1911	1912	1913	1914	1915	1916	1917	1918	1919	MEANS.
January ...	5.55	2.40	4.68	5.86	3.90	6.66	4.42	3.43	3.75	6.16	
February ...	5.72	5.84	2.46	2.34	4.30	7.70	5.10	1.28	6.15	1.19	
March	1.19	2.47	7.12	6.53	5.95	2.15	2.51	2.92	2.22	6.26	
April	3.78	3.19	1.27	6.77	1.91	2.41	3.85	2.72	.97	2.79	
May	3.44	2.94	2.86	3.93	2.56	1.96	2.64	1.98	2.37	1.96	
June	2.69	4.91	6.37	2.66	2.84	1.27	2.97	2.91	2.27	1.85	
July	4.64	.60	5.85	1.16	5.70	4.70	4.39	2.07	3.13	2.11	
August	7.67	2.90	8.54	2.28	3.56	4.74	3.51	8.03	3.85	4.18	
September ..	.90	4.39	2.21	1.88	3.93	1.17	2.82	2.51	13.38	2.10	
October ...	4.21	4.13	5.80	2.45	3.23	1.79	9.67	8.73	4.76	2.35	
November ..	6.39	5.55	4.49	6.39	8.02	1.70	3.88	5.24	3.76	4.53	
December ...	5.85	9.39	5.85	3.62	8.42	8.95	4.08	3.03	9.76	8.38	
TOTALS ...	52.03	48.71	57.50	45.87	54.32	45.33	49.84	44.85	56.37	43.86	

Date.	Lat. N.	Long.	Railway Station.	Distance.	Direction.	Church.	Distance.	Direction.
			<u>Wachinden</u>	<u>1 1/2 m</u>	<u>SSW</u>	<u>St John's</u>	<u>1 1/4 m</u>	<u>SSW</u>

RAINFALL at Haslingden Mitchells House Reservoir

County of Central Lancashire Observer A. J. Harrison Esq.

River Basin Ribble & C. 1

Gas & Water Dept Accrington

(1928) Sluices Rain Gauge, by
(1930. H.O.)

Diameter ...	5"											
Height	1 6											
Altitude ...	990											
Year	1920	1921	1922	1923	1924	1925	1926	1927	1928	1929	MEAN 1920	
January ...	4.75	8.26	4.50	5.40	3.86	3.57	6.35	5.34	12.23	2.29	6.75	
February ...	4.58	4.7	5.19	7.77	1.45	7.61	4.49	2.62	5.08	1.12	4.0	
March	4.98	4.13	3.60	2.01	1.64	1.73	2.58	4.96	4.39	1.51	3.23	
April	5.81	1.79	3.44	4.56	2.20	2.99	2.28	3.67	1.28	1.22	2.48	
May	5.58	3.26	2.15	4.01	6.80	3.02	3.29	1.50	1.56	3.73	1.64	
June	2.93	5.2	3.26	1.39	2.75	.08	2.95	4.31	6.96	1.54	2.52	
July	7.39	2.35	5.57	5.18	4.49	2.09	2.82	4.78	2.31	3.26	6.42	
August	3.05	6.80	6.37	6.87	7.97	4.53	4.41	6.77	7.50	4.59	6.18	
September...	2.95	2.12	4.68	6.71	5.51	4.66	4.62	7.88	1.01	1.94	3.67	
October	1.55	3.17	1.22	6.81	5.07	6.33	3.80	4.67	6.51	5.15	4.52	
November...	2.53	2.98	3.79	6.84	3.03	3.06	8.26	4.74	7.83	8.61	4.06	
December...	3.77	7.36	5.63	5.23	7.69	3.98	2.31	1.36	3.62	8.88	4.26	
TOTALS...	49.87	43.21	50.00	62.83	52.46	45.65	48.16	52.60	60.28	43.84	46.13?	
	L	L	g	d	d	d	d	II	II	D.	D	

1926. No object within 50 yards.

1930. Embankment of filters 14' high 111' S
Cottage 24' high 30 yds E.

Position of Station on reduced Ordnance Survey } 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			Baxenden	1 1/2 mi	S S W.	Baxenden	1 1/4 mi	S S W.

RAINFALL at Haslingden (Mitchells Ho. Res.)

County of Central Lancashire Observer A. J. Harrison, Esq.

River Basin Ribble & c. - 1.

Type of Gauge Glaisher
N.O. after April 1932.

Annual Average 45.0 in. based on 35 years obs. un-weighted. Period of average 1881-1915 Ref. 5
42660/30.

Diameter	5.										
Height	1.6.										
Altitude	990.		950	950.							
Year	1931	1932	1933	1934	1935	1936	1937	1938	1939	1940	Means
January	4.44	(6.16)	4.28	4.47	2.56	5.95	4.92	5.74	5.24	(3.06)	
February	3.81	2.7	4.15	4.46	6.79	3.06	7.20	1.78	4.95	2.34	
March	5.1	(3.53)	2.77	3.07	1.40	2.95	2.21	1.86	2.77	3.45	
April	2.69	(4.12)	2.12	2.90	3.79	1.19	4.64	.87	2.57	4.41	
May	2.69	4.02	2.99	4.21	1.34	1.31	2.90	4.39	1.71	1.20	
June	4.76	1.66	1.89	2.70	5.08	4.29	4.63	4.81	4.05	1.14	
July	2.70	4.73	4.13	2.48	1.86	4.52	2.13	4.56	7.41	5.42	
August	4.96	1.48	2.57	4.86	1.60	3.23	2.90	3.33	3.18	2.82	
September	3.54	6.72	1.58	4.25	8.60	5.63	1.86	2.35	1.35	4.74	
October	1.92	8.64	5.03	6.26	10.11	5.44	2.50	10.74	2.54	5.18	
November	8.59	3.35	2.58	2.21	5.89	6.48	1.89	8.00	8.14	9.15	
December	1.82	2.69	.70	7.40	4.01	7.23	2.67	5.70	3.42	5.55	
TOTALS	42.43	(47.37)	34.79	45.27	53.03	51.33	40.55	51.13	47.34	48.46	
	D.		D.	D.	D.	D.	D.	D.	D.	D.	

1931. LOW N.P. Embankment 4' high 14' S. Cottage 20' high 90' E.
1932. OK after April. New N.O. gauge set up early Aug. Jan, Mar. & Apr., estimated by proportion
May - Dec, nearest station.
1940. Gauge broken. No 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
1931			Baxenden	1/2 m	SSW	Baxenden	1/4 m	SSW

RAINFALL at Haslingden (Mitchell's Ho. Res.) Nº 2.County of C. Lancs Observer A. J. HarrisonRiver Basin 1- Ribbles &c.Type of Gauge Boyland10. after April 1932.Annual Average in. based on years obs. un-weighted. Period of average Ref.4260/30.

Diameter	5"										
Height	1' 6"										
Altitude	984'										
Year	1931	1932	1933	1934	1935	1936	1937	1938	1939	1940	Means
January	(500)	(6.11)	3.81	3.97	2.62	3.04	4.45	5.34	4.91	(3.19)	
February	4.36	.29	3.28	.43	6.60	2.55	6.63	1.80	4.98	2.19	
March	.56	(3.40)	2.54	2.44	1.42	2.58	2.07	2.11	2.80	3.24	
April	3.53	(4.07)	1.98	2.58	3.49	1.03	4.50	.94	2.55	4.12	
May	2.89	4.55	2.86	3.75	1.08	1.20	2.77	4.14	1.67	1.15	
June	5.75	1.28	1.81	2.47	4.66	4.11	4.104	4.56	4.06	1.15	
July	4.32	4.41	3.98	2.52	1.84	4.32	2.19	4.55	7.27	5.32	
August	5.76	1.25	2.57	4.61	1.50	3.14	2.80	3.41	3.19	3.07	
September	4.07	6.32	1.48	3.86	7.88	5.39	1.89	2.32	1.35	4.61	
October	2.71	8.05	4.79	6.04	9.48	5.03	2.23	10.15	2.22	4.72	
November	7.96	3.06	2.34	2.08	5.39	6.02	1.85	7.88	7.78	8.96	
December	1.92	2.42	.65	6.58	3.69	6.95	2.34	5.35	3.36	5.84	
TOTALS	(4883)	(4524)	32.09	41.33	49.65	47.36	38.41	52.55	46.14	47.56	
	D.	3	3	D.	D.	D.	D.	D.	D.	D.	

1931. LOW. N.P. Sit on Racecourse Embankment.

1932. O.N. of Haslingden. New H.O. gauge set up early May. Jan, Mar, & Apr, estimated proportion May-Dec.

with nearest station

1937 No obs. within 1/2 m. except gauging rails.

1940 Jan. contd. for snow.

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			Baxenden	1 1/2 m	SSW	Baxenden	1 1/2 m	SSW.

Station No. 2948

RAINFALL at Haslingden (Mitchells Ho Res)

41

County of Central Lancashire

Observer A. J. Harrison Esq

River Basin Ribbles - C - 1

A. Harrison Esq (1948)

Type of Gauge In O.

R. Jackson Esq BSc (1949)

Annual Average 45.0 in. based on 30 years obs. unweighted. Period of average 1881-1915 Ref S

File No. 42.6.60/30

Diameter	5"			575	091						
Height	1'6"				1					1'0"	
Altitude	950'				41					930'	
Year	1941	1942	1943	1944	1945	1946	1947	1948	1949	1950	Means
January	1.35	5.23	7.01	6.33	3.71	5.92	4.03	9.74	2.98	2.85	
February	5.30	1.51	2.30	2.26	6.06	7.05	.49	3.26	3.40	5.17	
March	4.03	3.25	1.25	.76	1.79	1.11	6.47	2.73	1.66	3.14	
April	2.06	2.80	2.65	2.82	2.78	1.58	4.83	2.30	5.02	3.28	
May	3.18	4.04	3.76	3.23	4.17	1.88	2.75	2.34	3.28	2.39	
June	.44	1.80	4.27	3.21	6.65	3.73	3.16	6.87	1.17	2.59	
July	2.64	5.56	3.50	3.53	3.72	4.36	4.16	2.62	2.45	4.74	
August	6.62	5.22	7.12	4.14	2.97	8.38	.28	4.59	2.66	8.39	
September	1.72	3.53	4.48	6.21	3.43	8.27	4.31	3.99	1.72	8.51	
October	5.29	7.41	3.75	6.66	7.98	1.42	1.24	3.24	5.80	3.67	
November	3.95	1.31	3.73	7.72	55	8.88	6.58	2.87	6.39	6.88	
December	3.60	5.44	2.85	5.14	3.66	6.13	3.94	5.37	6.13	3.26	
TOTALS	40.18 D	47.10 D.P.	47.27 D	52.13 D	47.47 D	58.71 D	42.24 D	49.92 D	42.66 D	54.87 D	

1941 Embankment 14' high 14' S. Cottage 24' high 30 yds. E.

1942 n.p. low.

1950 10' sq. Building 12' high 60' S.S.E.

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			Baxenden	1 1/2 m.	S.S.W.	Baxenden	1 1/4 m.	S.S.W.

Station No. 2948/1RAINFALL at Haslingden (Mitchell's Ho. Res.)

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County of Central Lancashire Observer A. J. Harrison Esq.River Basin Ribble & C. - 1Type of Gauge M.O.Annual Average in. based on years obs. un-weighted. Period of average Ref. File No. 42660/30

Diameter	5"										5"	
Height	1' 6"										1' 0"	
Altitude	984'										1000'	
Year	1941	1942	1943	1944	1945	1946	1947	1948	1949	1950	Means	
January	1.22											
February	5.06											
March	3.66											
April	1.94											
May	3.22											
June	.42											
July	2.72											
August	6.72											
September	1.73											
October	5.33											
November	3.64											
December	3.80											
TOTALS	39.52											

1941 No objects within a 1/4 m. excepting protecting rail.
No. 2 g. abandoned.

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.
1941			Baxenden	1 1/2 m.	S.S.W.	Baxenden	1 1/4 m.	S.S.W.

BRITISH RAINFALL ORGANIZATION

Station No. 2948

TF 94

RAINFALL at Haslingden (Mitchells Ho. Res.)

51

County of Central Lancashire

Observer

R. Jackson Esq. B.Sc.

River Basin Ribble & C-1

Type of Gauge M.O.

Annual Average 45.0 in. based on 30 years obs. un-weighted. Period of average 1881-1915 Ref. S
" " 48.40 " " 37 " " within 1920-57. " " 176-50
File No. 42660/30

Diameter ...	5'			575	091						
Height ...	1' 0"				1						
Altitude ...	930'				51						
Year ...	1951	1952	1953	1954	1955	1956	1957	1958	1959	1960	Means
January ...	4.71	5.10	1.54	4.72	2.36	4.19	3.62	5.24	2.92	5.67	
February ...	3.81	1.68	1.54	3.87	2.69	1.24	3.57	6.91	.52	4.07	
March ...	5.38	2.26	2.10	2.98	2.10	1.47	3.58	1.73	1.88	0.94	
April ...	3.02	4.54	3.28	1.01	3.00	2.95	.42	1.08	3.43	2.60	
May ...	2.09	3.56	1.95	3.59	4.32	1.91	1.79	4.75	1.64	2.12	
June ...	1.44	3.94	2.72	3.31	2.79	3.35	2.08	3.96	3.13	1.47	
July ...	3.83	2.57	5.03	5.84	1.14	5.61	4.89	3.37	3.52	7.31	
August ...	6.04	6.35	5.34	8.10	1.15	11.30	6.34	3.95	.66	7.16	
September ...	3.82	4.83	5.22	6.29	3.68	3.67	5.63	4.67	.26	3.09	
October ...	1.33	5.40	2.59	9.47	3.46	3.01	5.34	3.70	4.92	3.94	
November ...	9.96	2.55	6.19	8.36	2.87	2.18	2.27	1.75	4.87	7.77	
December ...	11.08	4.19	2.49	7.13	6.07	5.67	5.38	4.03	7.78	4.94	
TOTALS ...	56.51	46.97	39.99	64.67	35.63	46.55	44.91	45.14	35.53	51.08	
	D	D	D	D	D	D	D	np	np	np	

1951 10' square building 12' high at 60' to S.E.

1953 n.p. low

1955 - np low

1960 np low

Position of Station on Ordnance One-Inch map: No. of Map National Grid Reference SD(34) 788276

Date.	Lat. N.	Long.	Railway Station.	Distance Direction from gauge	Parish Church.	Distance Direction from gauge.
1951			Bacenden	1 3/8 m. S.W.	Bacenden	1 1/2 m. S.W.

Summary of Earlier Records from 10-year Sheets:

Record D, or d	1910-19	1920-30	1931-40	1941-50	1951-60
		1920-30 ✓ 2.30-26 227-30	1931-40 ✓ n.p. 31 ✓ but -32	1941-50 ✓ n.p. 42 ✓	

Station No. 2948/1RAINFALL at Haslingden (Hitchells Reservoir) No. 2. 51County of Central Lancashire Observer R. Jackson, Eng. B.Sc.River Basin Ribble & C. 1.Type of Gauge W.O.

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

File No. 42669/30

Diameter ...	<u>8"</u>		<u>5"</u>								
Height ...			<u>1'0"</u>								
Altitude ...			<u>1000'</u>								
Year ...	1951	1952	1953	1954	1955	1956	1957	1958	1959	1960	Means
January ...			<u>1.81</u>	<u>4.41</u>	<u>2.47</u>	<u>4.07</u>	<u>3.86</u>	<u>4.65</u>			
February ...			<u>1.51</u>	<u>3.19</u>	<u>2.72</u>	<u>1.20</u>	<u>3.86</u>	<u>6.85</u>			
March ...			<u>1.98</u>	<u>3.00</u>	<u>2.31</u>	<u>1.26</u>	<u>3.52</u>	<u>1.87</u>			
April ...			<u>3.76</u>	<u>.81</u>	<u>2.86</u>	<u>2.86</u>	<u>1.43</u>	<u>1.10</u>			
May ...			<u>2.29</u>	<u>3.26</u>	<u>3.91</u>	<u>1.78</u>	<u>1.72</u>	<u>4.58</u>			
June ...			<u>2.52</u>	<u>3.22</u>	<u>2.94</u>	<u>3.16</u>	<u>1.82</u>	<u>100</u>			
July ...			<u>4.78</u>	<u>6.26</u>	<u>1.01</u>	<u>5.77</u>	<u>4.93</u>				
August ...			<u>5.01</u>	<u>7.69</u>	<u>1.11</u>	<u>11.30</u>	<u>5.48</u>				
September ...			<u>5.15</u>	<u>5.22</u>	<u>3.23</u>	<u>3.95</u>	<u>6.75</u>				
October ...			<u>2.32</u>	<u>8.60</u>	<u>2.72</u>	<u>2.79</u>	<u>5.49</u>				
November ...			<u>5.61</u>	<u>8.04</u>	<u>2.77</u>	<u>2.07</u>	<u>1.91</u>				
December ...			<u>2.33</u>	<u>6.71</u>	<u>5.78</u>	<u>5.74</u>	<u>4.38</u>	<u>100</u>			
TOTALS ...			<u>39.07</u>	<u>60.41</u>	<u>33.83</u>	<u>45.95</u>	<u>44.15</u>	<u>100</u>			
			<u>NP</u>	<u>NP</u>	<u>NP</u>	<u>NP</u>	<u>NP</u>	<u>NP</u>			

1953 NP check.

1954 NP low.

1955 n.p. check

1956 n.p. check

1957 n.p. check

1958 n.p. check

1959 g. which is on top of reservoir embankment will be removed at end of May '58 & record abandoned.

1958 n.p. check

(894)

Position of Station on Ordnance One-Inch map :

No. of Map.....

National Grid Reference

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