

Dec?

3573

60

Rainfall at *Hallington*.*N. & W.**D. D. Main*469 *Whelan*

Diameter of Gauge, ..... in.

Height above Ground, ..... ft. *6* in.Above Mean Sea Level, *400* ft.

YEAR - -			<i>1862</i>	<i>1863</i>	<i>1864</i>	<i>1865</i>	<i>1866</i>	<i>1867</i>	<i>1868</i>	<i>1869</i>	MEANS.
January - -			<i>1.70</i>	<i>4.60</i>	<i>1.10</i>	<i>.97</i>	<i>3.18</i>	<i>2.92</i>	<i>2.75</i>	<i>1.28</i>	
February - -			<i>1.73</i>	<i>1.64</i>	<i>2.02</i>	<i>1.70</i>	<i>3.11</i>	<i>2.31</i>	<i>3.57</i>	<i>3.76</i>	
March - - -			<i>3.07</i>	<i>2.23</i>	<i>2.98</i>	<i>.94</i>	<i>2.65</i>	<i>.93</i>	<i>2.63</i>	<i>1.43</i>	
April - - -			<i>1.67</i>	<i>2.06</i>	<i>1.39</i>	<i>1.07</i>	<i>3.07</i>	<i>3.67</i>	<i>3.56</i>	<i>2.16</i>	
May - - - -			<i>2.71</i>	<i>2.13</i>	<i>1.55</i>	<i>3.32</i>	<i>1.90</i>	<i>1.74</i>	<i>1.04</i>	<i>2.72</i>	
June - - - -			<i>4.16</i>	<i>3.73</i>	<i>2.12</i>	<i>.47</i>	<i>1.94</i>	<i>1.35</i>	<i>.40</i>	<i>1.80</i>	
July - - - -			<i>1.98</i>	<i>1.51</i>	<i>.44</i>	<i>2.82</i>	<i>1.06</i>	<i>3.18</i>	<i>.41</i>	<i>.30</i>	
August - - -			<i>3.81</i>	<i>2.08</i>	<i>.95</i>	<i>2.43</i>	<i>3.89</i>	<i>2.32</i>	<i>1.02</i>	<i>1.69</i>	
September -			<i>1.87</i>	<i>3.12</i>	<i>2.38</i>	<i>.73</i>	<i>4.99</i>	<i>2.06</i>	<i>1.41</i>	<i>4.99</i>	
October - -			<i>2.36</i>	<i>4.43</i>	<i>5.51</i>	<i>7.25</i>	<i>1.12</i>	<i>1.26</i>	<i>4.91</i>	<i>1.90</i>	
November -			<i>.97</i>	<i>2.40</i>	<i>2.29</i>	<i>2.61</i>	<i>4.18</i>	<i>.42</i>	<i>2.44</i>	<i>3.41</i>	
December -			<i>1.59</i>	<i>2.73</i>	<i>3.54</i>	<i>1.41</i>	<i>2.33</i>	<i>2.61</i>	<i>4.55</i>	<i>3.11</i>	
TOTALS -			<i>27.62</i>	<i>32.66</i>	<i>26.27</i>	<i>25.72</i>	<i>33.42</i>	<i>25.07</i>	<i>28.69</i>	<i>28.54</i>	

*C C C C C C C C*

# RAINFALL AT Newcastle & G. N. R. Hallington Village

Lat..... Lon..... County of.. Northumberland  
 ..... Rain Gauge, by..... Observer .. Mr. R. J. Wheeler ..

Diameter .....			10									
Height .....			6									
Altitude .....		469.0										
YEAR .....	1870	1871	1872	1873	1874	1875	1876	1877	1878	1879	MEANS.	
January.....	2.47	2.17	3.23	2.45	2.31	5.09	1.10	4.05	4.13	1.14	2.814	
February .....	1.64	2.16	3.16	1.56	1.16	2.02	1.91	3.31	1.81	2.19	2.092	
March .....	2.18	1.32	4.34	2.50	1.87	1.64	3.13	5.06	.67	3.08	2.574	
April .....	1.24	3.35	2.84	.72	2.64	.70	2.13	2.78	1.92	1.87	2.019	
May .....	1.09	.65	1.82	2.11	1.03	.36	2.83	4.64	3.95	2.45	2.093	
June.....	2.02	2.23	2.09	1.86	1.30	1.81	3.47	1.53	3.19	5.66	2.516	
July.....	1.12	3.13	4.51	3.18	2.45	4.37	1.11	3.38	.29	3.62	2.716	
August.....	2.20	3.22	2.99	2.57	2.16	1.85	1.12	6.17	3.47	3.55	2.930	
September.....	1.49	4.61	4.36	2.25	3.18	2.69	3.90	3.20	2.34	1.68	2.970	
October.....	4.56	2.82	7.03	2.53	2.36	3.64	2.98	2.05	3.24	1.45	3.266	
November.....	2.04	1.85	3.79	1.61	2.53	4.89	4.10	4.27	5.22	2.94	3.324	
December.....	4.19	3.11	5.76	1.93	5.71	5.80	9.90	1.83	3.66	1.91	4.380	
TOTALS .....	26.19	30.62	45.92	25.27	28.70	34.86	37.68	42.27	33.89	31.54	33.694	

C C

RAINFALL AT *Hallington*

80

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

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

County of \_\_\_\_\_

*Northumberland*

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

Observer *D. D. Main, Esq.**J. Mangham, Esq.**N. Tyne. H.*

Diameter ....	10										
Height .....	6										
Altitude ....	<i>469 ft</i>										
Year .....	1880	1881	1882	1883	1884	1885	1886	1887	1888	1889	MEANS.
January ....	59	64	1.45	3.14	5.18	1.74	5.35	1.34	1.01	.91	2.135
February ....	1.08	4.05	2.68	1.55	1.77	.92	2.18	.61	2.16	1.01	1.801
March .....	2.08	4.70	1.45	1.89	1.86	1.98	2.37	2.00	4.57	2.59	2.519
April .....	2.20	1.71	2.47	1.20	1.72	2.15	1.70	1.07	1.83	4.03	2.008
May .....	1.48	2.66	.62	1.92	2.00	3.26	3.48	1.98	.56	1.97	1.993
June .....	1.85	1.50	3.23	1.63	.27	1.05	2.41	.27	2.11	.35	1.417
July .....	4.01	5.93	3.04	4.46	4.11	1.21	3.03	1.54	4.31	3.85	3.559
August .....	1.78	6.97	3.71	2.38	1.03	3.18	2.26	2.23	2.00	2.82	2.836
September....	5.03	4.25	1.74	3.84	1.80	2.17	2.49	4.76	1.27	1.08	2.843
October .....	3.43	3.66	3.55	2.58	1.49	3.02	5.13	1.95	1.03	5.55	3.139
November....	4.49	1.65	4.09	1.36	1.51	3.09	4.05	3.96	5.91	.95	3.106
December ....	4.37	4.05	4.77	2.42	2.85	1.40	3.82	2.56	.99	1.13	2.836
TOTALS ....	31.89	41.77	32.50	28.37	25.59	25.77	38.27	24.37	27.75	26.24	30.192

# RAINFALL AT

*N. G. W. Hallington*

Res?

3573

Lat.

Lon.

County of *Northumberland*

Rain Gauge, by

Observer

*G. Smith Esq*

*N. Lynce*

Diameter ....	10											
Height .....	0 6											
Altitude ....	469 <del>ft</del>											
Year .....	1890	1891	1892	1893	1894	1895	1896	1897	1898	1899	MEANS.	
January ....	2.29	1.43	1.18	1.74	2.97	6.16	1.37	2.17	1.14	3.15	2.360	
February ....	1.87	.10	3.50	4.89	4.07	2.47	.81	2.20	1.38	1.15	2.2114	
March .....	1.91	3.39	1.06	.28	1.51	3.67	3.17	3.67	2.61	1.71	2.298	
April .....	.81	1.66	1.23	.60	1.81	1.21	1.20	1.59	2.12	2.59	1.482	
May .....	1.97	2.32	3.56	1.70	3.38	.67	.91	1.28	1.93	3.83	2.155	
June .....	2.55	1.11	5.08	1.50	2.86	1.95	1.61	3.67	2.16	1.10	2.359	
July .....	3.46	4.19	1.84	2.59	2.10	4.81	2.89	1.51	.90	2.42	2.671	
August .....	5.08	4.97	4.03	2.35	3.49	4.26	1.56	3.16	3.37	.84	3.311	
September....	1.52	3.32	3.12	2.46	.97	.72	3.20	2.83	.47	2.83	2.1114	
October.....	1.92	2.13	4.96	1.34	4.00	4.36	4.57	1.81	6.54	2.16	3.379	
November....	4.23	1.93	1.38	2.72	1.05	2.35	1.29	1.94	3.13	1.70	2.172	
December ....	1.57	3.98	1.20	1.42	1.45	3.09	6.36	2.43	2.81	3.72	2.803	
TOTALS ...	29.18	30.53	32.14	23.59	29.66	35.72	28.94	28.26	28.56	27.20	29.378	

18.10-



RAINFALL AT Newcastle Gateshead W.W. Hallington Res.

Lat. ....

Lon. ....

County of Northumberland

Rain Gauge, by .....

Observer. G. Smith Esq  
A. Foster Esq

N. 29m - 14.

Diameter ..	10						5				
Height ....	0 6						1 0				
Altitude ..	469 <del>ft</del>						470				
Year ....	1900	1901	1902	1903	1904	1905	1906	1907	1908	1909	MEANS.
January ..	4.12	1.82	1.36	3.59	1.40	.62	2.76	.87	2.03	1.39	1.996
February ..	3.91	1.73	1.30	2.73	2.44	.93	1.10	1.23	1.43	2.73	1.963
March ....	2.10	2.22	1.88	2.33	1.67	1.90	1.77	1.26	4.09	3.84	2.306
April .....	1.56	.96	1.32	1.46	1.91	4.10	1.00	2.05	1.85	3.30	1.951
May .....	1.50	2.41	2.18	1.83	3.25	1.44	3.59	3.41	2.41	1.60	2.362
June .....	4.24	1.61	1.74	2.21	2.53	.95	1.80	3.75	.33	2.17	2.133
July .....	2.02	1.81	2.95	4.41	2.52	1.43	1.16	1.32	2.94	2.62	2.308
August ....	4.57	2.01	1.79	2.75	3.23	3.91	5.52	2.78	1.86	2.37	3.079
September ..	1.20	1.12	1.08	3.25	1.49	1.76	.95	.62	2.87	1.76	1.610
October ....	5.22	2.80	2.47	7.83	.97	2.27	4.62	6.10	2.57	2.94	3.779
November ..	4.10	5.01	1.42	1.64	3.44	4.38	4.05	1.74	1.35	.66	2.769
December ..	2.75	3.58	4.39	2.53	2.43	1.28	1.77	2.92	.98	3.79	2.642
TOTALS ..	37.29	27.08	23.88	36.56	27.28	24.97	30.09	28.15	24.71	28.97	26.808

Hus

RAINFALL at Hallington Reservoir Newcastle W.V.County of NorthumberlandObserver A. L. Foster Esq. C.E.River Basin North Tyne 4

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

Diameter ...	5											
Height .....	10											
Altitude ...	470											
Year ...	1910	1911	1912	1913	1914	1915	1916	1917	1918	1919	1916-19 MEANS. Totals	
January ...	2.34	1.80	2.41	2.80	1.95	2.18	2.13	3.37	2.53	3.96	12.01	
February ...	2.33	1.76	2.41	.74	1.64	2.39	3.32	.89	1.79	1.55	7.55	
March .....	.34	2.62	1.91	3.51	2.92	1.54	3.73	1.62	1.26	2.13	8.73	
April .....	2.18	1.78	.28	2.56	.85	.78	1.32	2.36	1.20	1.60	6.48	
May .....	2.10	.80	2.19	2.28	1.25	1.82	3.08	2.53	1.84	1.19	8.64	
June .....	1.21	3.92	4.11	2.18	3.23	.86	2.58	1.23	.44	1.25	5.50	
July .....	4.16	.83	2.82	.92	2.38	4.10	3.42	1.38	3.46	2.20	10.46	
August .....	3.51	2.57	5.47	2.00	2.17	3.65	3.34	6.90	2.28	2.67	15.19	
September ..	.77	2.35	2.54	2.70	1.07	1.74	1.50	2.08	4.58	1.65	9.81	
October ...	2.13	4.16	3.05	3.58	3.13	1.48	3.92	2.42	2.72	4.65	13.71	
November ..	3.35	4.07	2.07	1.77	3.88	1.49	5.08	1.44	.93	4.41	11.86	
December ...	1.98	3.01	2.75	1.58	5.71	4.99	3.15	2.29	2.62	3.56	11.62	
TOTALS ...	26.40	29.67	32.01	26.62	30.18	27.02	36.57	28.51	25.66	30.82	121.56	

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

RAINFALL at Hallington Reservoir Newcastle N.H.County of NorthumberlandObserver A. S. Forster Esq. C.E. (deceased)River Basin North Tyne 4A. Hardcastle C.E. (1921)Cum Snowdon Rain Gauge, by Casella 7815  
sound correct  
correct - measure } 18.26.

Diameter ...	5											
Height .....	1	0										
Altitude ...	470											
Year .....	1920	1921	1922	1923	1924	1925	1926	1927	1928	1929	1930 MEANS.	1920-30 Totals
January ...	3.19	5.45	2.88	1.28	2.31	1.96	2.25	1.96	3.59	1.65	3.49	30.01
February ...	1.62	1.14	2.55	3.42	1.94	2.31	2.61	.67	1.94	.26	2.11	20.17
March .....	2.54	1.26	1.75	1.45	.98	2.43	1.27	2.74	2.90	.27	2.34	19.93
April .....	3.42	.77	2.22	2.06	1.51	2.33	1.10	2.41	.67	1.35	1.99	20.33
May .....	3.53	1.18	.70	1.76	5.67	2.98	2.70	1.79	1.43	.91	1.36	24.01
June .....	1.12	.80	1.94	.90	1.65	.13	4.23	4.00	4.24	1.74	.84	21.59
July .....	3.11	1.33	4.31	1.85	5.27	1.97	4.48	4.15	1.48	3.72	5.79	37.46
August .....	2.24	7.43	1.59	4.10	3.25	4.65	2.71	5.78	4.47	2.61	4.87	44.00
September...	1.46	1.93	4.45	1.63	2.58	3.85	3.12	4.45	1.21	1.41	2.49	28.58
October .....	1.94	2.36	1.42	2.44	3.05	2.04	3.48	2.31	3.52	3.14	2.93	28.63
November...	1.44	2.16	.61	3.85	1.14	1.95	3.23	3.09	3.19	3.04	3.79	27.49
December...	4.56	2.75	3.60	1.80	2.55	4.52	.48	3.35	2.33	3.68	2.11	31.73
TOTALS...	30.17	27.56	28.32	26.54	30.90	32.12	31.66	36.70	30.97	24.88	34.11	333.92

Inspected 9.8. 7.18.26. G. by stream between low hedges & walks on either side within hedges. Lines to NW & NE at 5 yds & 3 yds distance. About 1 yd to S. there is a drop to next field of about 1 ft. Recommend removing trees & filling in hedge to level of mouth of gauge.

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 Hallington Res. (N'cle W.W.)County of NorthumberlandObserver A. Hardcastle, Esq. C.E.River Basin North Tyne - 4Newcastle & Gateshead W. Co. (1930)

Type of Gauge.....

Annual Average 8.2 in. based on 35 years obs. un-weighted. Period of average 1881-1915 Ref. S

660605/26.

Diameter	5.											
Height	1. 0.											
Altitude	470.											
Year	1931	1932	1933	1934	1935	1936	1937	1938	1939	1940	1930-40 Means Totals	
January	1.82	1.51	1.12	1.86	2.22	3.71	2.61	1.91	5.10	1.55	2341	
February	1.99	.59	4.06	.40	3.25	2.66	3.26	.91	1.34	1.59	2005	
March	1.54	2.37	.96	4.18	.98	2.25	2.64	.84	3.64	3.28	2268	
April	3.45	2.36	1.53	3.77	2.64	1.46	2.04	.23	1.27	1.01	1976	
May	2.85	2.82	1.57	1.23	.71	1.58	2.74	2.42	.91	.81	1764	
June	4.67	1.25	2.15	2.46	2.27	2.28	1.27	3.11	2.02	.64	2212	
July	3.84	3.02	2.90	3.59	.76	2.98	2.65	2.47	2.73	6.19	3113	
August	4.43	1.96	1.95	3.26	2.18	1.74	2.52	2.50	2.35	1.15	2404	
September	1.21	.371	1.67	1.91	3.07	4.50	3.01	1.38	1.56	1.90	2392	
October	1.37	4.89	3.42	3.96	4.78	2.47	2.46	4.31	5.71	2.47	3534	
November	3.05	1.17	3.45	3.39	3.84	3.12	1.04	2.19	3.26	3.13	2764	
December	1.40	1.28	1.01	3.84	1.75	1.98	4.46	3.53	1.36	2.45	2306	
TOTALS	31.62	26.43	25.79	33.85	28.45	30.73	30.40	25.80	31.25	26.17	29078	
	D.	D	D	D.	D	D	D	D	D	D		

1940. Jan cond. 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 Direction from gauge	Parish Church.	Distance Direction from gauge



RAINFALL at Hallington Res.County of Northumberland Observer Newcastle & Gateshead W.C.River Basin North Tyne

Type of Gauge

Annual Average 29.3 in. based on 35 years obs. ~~un~~-weighted. Period of average 1881-1915. Ref. SNo. rather high for records - 1943-1946File No. 660605/26

Diameter	5"			012	716								
Height	1' 0"				1								
Altitude	470'				41								
Year	1941	1942	1943	1944	1945	1946	1947	1948	1949	1950	Means		
January	3.69	3.34	2.83	1.23	4.47	1.91	1.74	4.54	1.62	2.04	30.41		
February	4.59	1.37	1.86	1.55	1.99	.77	3.73	1.73	1.27	3.68	22.54		
March	2.86	1.25	.87	.36	.41	1.35	4.04	.79	.62	.97	13.52		
April	1.46	1.12	1.34	2.03	1.76	.58	3.20	1.75	1.30	1.88	16.42	1	
May	2.05	1.11	3.32	2.39	3.92	1.88	2.09	1.59	.86	1.38	20.59		
June	.40	1.01	2.36	1.84	2.94	2.30	2.94	3.37	.73	1.67	19.56		
July	1.09	2.86	2.13	2.34	1.45	3.55	3.56	1.03	2.13	3.25	23.39		
August	3.68	3.30	4.29	2.11	1.14	3.83	.18	4.60	2.33	4.37	29.83		
September	.50	2.63	2.70	6.43	1.59	3.59	1.19	3.04	2.12	3.57	27.36		
October	3.34	2.85	3.11	2.79	2.89	.53	.73	1.53	2.97	1.56	22.30		
November	2.76	.41	2.04	6.72	.53	4.15	2.87	2.84	3.31	4.76	29.79		
December	.59	2.21	1.29	1.70	1.47	1.65	2.80	1.87	3.69	2.01	19.28		
TOTALS	27.01	23.46	28.14	31.49	24.56	26.09	29.07	31.08	22.95	31.14	274.99	10	

Plus Report by Dr. C. A. M. 2/19/51 - 2/19/51 - 2/19/51 - 2/19/51 - 2/19/51

243.85

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. 3573 *1.5 50*RAINFALL at Hullington Res.

51

County of NorthumberlandObserver Newcastle + Gateshead W. Co.River Basin North Tyne - 4

Type of Gauge.....

Annual Average 29.3 in. based on 35 years obs. un-weighted. Period of average 1881-1915 Ref. S29.18 " " " " " " 1916-1950File No. 660605/26 *P*

Diameter ...	5"			0.12	7.16							
Height ...	1' 0"				1							
Altitude ...	470'				51			*	*			
Year ...	1951	1952	1953	1954	1955	1956	1957	1958	1959	1960	Means- Total	
January ...	1.94	2.69	.73	2.56	2.65	3.62	2.07	1.75	1.58	4.12	23.71	
February ...	1.95	.43	1.43	1.76	2.82	2.29	2.55	3.38	.58	1.73	18.92	
March ...	3.28	1.72	.56	.95	1.75	.89	1.80	2.83	.97	1.87	16.62	
April ...	1.88	1.78	2.74	.59	.69	.72	.66	1.81	1.98	1.29	14.14	
May ...	2.97	1.25	1.68	3.79	1.51	.35	1.37	3.27	.32	2.01	18.55	
June ...	.92	1.41	1.44	1.54	1.74	3.59	1.49	2.91	2.00	0.43	17.77	
July ...	2.34	1.63	2.31	2.56	1.18	2.52	3.40	3.74	2.46	4.42	26.56	
August ...	4.48	2.66	2.94	4.18	.96	7.11	3.46	2.71	.21	2.49	31.20	
September ...	1.22	2.66	3.43	4.53	1.45	2.52	2.67	2.69	.73	1.52	23.42	
October ...	.78	2.09	1.04	4.94	1.36	1.82	2.14	1.76	2.02	4.83	22.78	
November ...	6.29	2.86	1.66	2.74	1.13	.69	1.59	.81	5.12	3.29	26.18	
December ...	1.64	2.83	1.31	2.61	3.45	1.93	1.84	3.71	3.94	2.53	25.79	
TOTALS ...	29.69	24.01	21.27	32.75	20.69	25.35	25.04	31.37	21.91	30.53	265.64	10
	D	D	D	D	d	d	D	D	D	D		

Position of Station on Ordnance One-Inch map :

No. of Map.....

National Grid Reference NY 55973761

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

Summary of Earlier Records from 10-year Sheets :

1916-1950, P- accepted

Record D, or d	1910-19	1920-30	1931-40	1941-50	1951-60
C 1862	✓	✓	✓	✓	
		✓	✓	✓	