

Rainfall at *Campkill, Gunnerton, Penna.*

60

D. D. Main.

Diameter of Gauge, in.

Height above Ground, ft. *6* in.

Above Mean Sea Level, *676* 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>1.42</i>	<i>3.42</i>	<i>1.32</i>	<i>1.09</i>	<i>3.24</i>	<i>3.58</i>	<i>2.90</i>	<i>1.27</i>	
February - -		<i>1.44</i>	<i>1.29</i>	<i>2.22</i>	<i>1.87</i>	<i>2.84</i>	<i>2.41</i>	<i>3.78</i>	<i>3.80</i>	
March - - -		<i>2.33</i>	<i>1.21</i>	<i>2.04</i>	<i>1.11</i>	<i>2.63</i>	<i>1.53</i>	<i>2.71</i>	<i>1.44</i>	
April - - -		<i>1.53</i>	<i>2.02</i>	<i>.66</i>	<i>1.29</i>	<i>2.99</i>	<i>5.27</i>	<i>3.84</i>	<i>2.57</i>	
May - - - -		<i>2.04</i>	<i>2.30</i>	<i>1.32</i>	<i>3.16</i>	<i>1.87</i>	<i>2.29</i>	<i>1.18</i>	<i>2.63</i>	
June - - - -		<i>3.25</i>	<i>3.82</i>	<i>1.96</i>	<i>.49</i>	<i>1.91</i>	<i>1.36</i>	<i>.68</i>	<i>1.78</i>	
July - - - -		<i>1.99</i>	<i>1.58</i>	<i>.39</i>	<i>3.42</i>	<i>1.23</i>	<i>3.22</i>	<i>.39</i>	<i>.46</i>	
August - - -		<i>2.86</i>	<i>2.13</i>	<i>.78</i>	<i>2.54</i>	<i>4.18</i>	<i>3.27</i>	<i>1.45</i>	<i>1.70</i>	
September -		<i>1.53</i>	<i>2.83</i>	<i>2.05</i>	<i>.71</i>	<i>4.68</i>	<i>2.09</i>	<i>1.59</i>	<i>5.72</i>	
October - -		<i>1.71</i>	<i>4.05</i>	<i>4.62</i>	<i>6.63</i>	<i>2.65</i>	<i>1.36</i>	<i>5.13</i>	<i>1.58</i>	
November -		<i>.90</i>	<i>2.43</i>	<i>1.28</i>	<i>2.89</i>	<i>3.13</i>	<i>.40</i>	<i>2.14</i>	<i>3.08</i>	
December -		<i>1.20</i>	<i>2.96</i>	<i>2.96</i>	<i>1.34</i>	<i>2.75</i>	<i>3.17</i>	<i>4.79</i>	<i>3.82</i>	
TOTALS -		<i>22.19</i>	<i>30.04</i>	<i>21.60</i>	<i>26.54</i>	<i>34.78</i>	<i>29.95</i>	<i>30.60</i>	<i>29.90</i>	
		<i>C</i>	<i>C</i>	<i>C</i>	<i>C</i>	<i>34.10</i>	<i>C</i>	<i>C</i>	<i>C</i>	

1866 Figures sent by D. D. Main 11.10.77

RAINFALL AT *Newcastle* *G. M. M. Gunnerton Burn*
 Lat..... Lon..... County of... *Northumberland* *Garnhill*
 Rain Gauge, by..... Observer *Rev. R. D. Wheler*

Diameter		6	10									
Height			6									
Altitude		676										
YEAR	1870	1871	1872	1873	1874	1875	1876	1877	1878	1879	MEANS.	
January.....	2.58	1.78	2.94	2.73	2.25	5.16	1.14	3.72	4.19	1.01	2.730	
February	1.64	1.85	2.72	1.23	1.19	1.22	2.15	3.24	1.51	1.95	1.870	
March	2.59	1.38	3.73	2.09	1.47	2.26	3.05	3.71	.64	2.92	2.384	
April	1.16	3.65	1.87	.59	2.48	.66	1.97	2.51	2.09	1.26	1.824	
May	1.14	.67	2.59	1.97	1.15	.62	1.98	3.95	4.93	2.26	2.126	
June.....	2.09	2.33	2.58	2.32	1.18	1.80	4.25	1.81	2.16	5.51	2.603	
July	1.16	2.61	5.18	2.79	2.53	5.25	1.18	3.21	.57	3.80	2.925	
August.....	1.90	3.75	3.92	2.56	2.67	1.92	1.13	6.04	3.42	3.37	3.068	
September.....	1.16	3.58	3.63	2.92	3.55	2.62	4.46	2.87	2.45	1.74	2.898	
October.....	4.05	2.71	6.82	2.77	2.61	3.59	3.15	2.68	3.34	1.74	3.346	
November.....	1.46	1.52	3.44	1.55	2.53	4.21	3.54	4.47	5.43	1.95	3.010	
December.....	3.91	3.41	5.15	1.73	4.42	4.05	7.34	1.50	3.10	1.49	3.610	
TOTALS	24.84	29.24	44.57	25.25	28.03	33.36	35.34	39.71	33.83	29.00	32.317	

RAINFALL AT *Gunnorton Burn, Campfield*

80

Lat. _____

Lon. _____

County of *Northumberland*

Rain Gauge, by _____

Observer *D. D. Main, Esq.*

J. Mangham, Esq.

N. Tyne R.

Diameter	10										
Height	6										
Altitude	676 ft										
Year	1880	1881	1882	1883	1884	1885	1886	1887	1888	1889	MEANS.
January	35	39	1.42	3.50	4.44	1.40	4.43	1.06	1.06	.97	1.902
February	1.03	3.63	1.87	.98	1.39	.93	1.97	.77	1.26	1.47	1.530
March	2.26	4.10	1.15	1.15	1.59	1.51	3.51	1.75	5.66	2.50	2.518
April	2.26	1.56	2.10	1.09	1.62	1.94	1.58	1.02	2.03	3.70	1.890
May	1.14	2.67	.47	1.70	2.19	2.68	2.87	1.70	.63	1.67	1.772
June	1.38	1.39	2.89	2.17	.31	.80	2.27	.28	2.36	.44	1.429
July	4.23	4.16	4.60	4.77	4.11	1.25	3.67	2.21	4.31	3.32	3.663
August	2.21	5.86	3.52	2.53	1.19	3.03	2.30	2.04	2.25	3.60	2.853
September	4.77	3.73	1.57	4.33	1.83	1.94	3.10	4.86	1.13	1.07	2.833
October	2.78	4.18	3.44	2.97	1.49	2.70	5.10	1.54	1.39	4.80	3.039
November	3.02	1.60	4.16	1.37	1.64	2.45	3.65	3.12	5.50	.80	2.731
December	3.25	3.95	4.28	2.42	2.99	1.48	3.43	2.50	.97	1.12	2.639
TOTALS	28.68	37.22	31.47	28.98	24.79	22.11	37.88	22.85	28.55	25.46	28.799

RAINFALL AT N. G. W. H. Gunterton Burn Camphill

Lat. _____

Lon. _____

County of Northumberland

Rain Gauge, by _____

Observer _____

G. Smith Esq

N. Tyne H

Diameter	10											
Height	0 6											
Altitude	676 π											
Year	1890	1891	1892	1893	1894	1895	1896	1897	1898	1899	MEANS.	
January	2.57	1.46	1.63	1.69	2.24	3.42	1.48	1.13	1.29	3.07	2.008	
February	1.44	.08	3.27	5.30	4.69	1.53	.63	2.84	1.21	1.17	2.216	
March	1.83	3.17	1.34	.20	1.75	2.92	3.13	3.40	1.83	1.42	2.099	
April .....	.85	1.09	1.12	.49	1.55	.99	1.20	1.22	2.00	3.78	1.429	
May	1.80	1.66	3.56	2.12	3.07	.56	.96	1.30	1.37	3.94	2.034	
June	2.54	1.15	4.50	1.51	3.24	1.12	2.16	3.52	2.01	1.11	2.286	
July	3.12	4.01	1.83	3.48	2.90	4.55	3.16	1.44	.79	3.60	2.888	
August	4.37	6.21	4.87	3.05	3.70	3.76	1.39	3.51	3.37	1.28	3.551	
September....	1.75	2.52	2.84	2.59	.90	.66	3.10	2.99	.98	3.66	2.199	
October	2.07	2.00	4.06	1.49	3.32	3.61	3.95	1.59	5.31	1.91	2.921	
November....	4.41	1.88	1.45	2.70	1.21	2.42	1.51	1.68	3.07	1.99	2.222	
December	1.15	3.94	1.54	1.37	1.68	2.28	5.44	2.70	2.89	4.46	2.715	
TOTALS	27.90	29.17	32.01	25.99	30.35	27.82	28.11	27.32	26.12	31.39	28.618	

1870-

RAINFALL at Summerton Burn Campbell Newcastle W.W. 3576

County of Northumberland Observer A. L. Forster Esq. C.E.

River Basin North Tyne 4

Rain Gauge, by _____

Diameter ...	5											
Height	1 1											
Altitude ...	650 π											
Year ...	1910	1911	1912	1913	1914	1915	1916	1917	1918	1919	MEANS.	
January ...	2.19	1.99	2.35	3.08	2.59	2.34	3.10	3.12	2.82	4.30		1334
February ...	2.62	2.01	2.23	.76	1.81	2.39	3.67	.87	1.99	1.48		801
March .....	.52	2.62	2.09	4.08	2.85	1.50	3.77	1.55	1.13	2.02		847
April	2.07	1.74	.32	2.70	.97	.83	1.38	1.97	.99	1.54		588
May	1.93	1.30	2.10	2.02	1.15	1.68	2.94	2.45	1.79	1.28		841
June	1.34	3.87	3.86	2.33	2.91	.64	3.22	1.47	.36	1.19		624
July	4.21	.80	2.50	.94	3.11	3.59	4.00	1.26	3.85	1.75		1086
August	3.63	3.08	5.77	1.80	2.20	2.75	3.51	7.17	2.24	2.82		1574
September ..	.74	2.34	2.98	2.14	1.33	1.15	1.28	2.19	4.47	1.84		978
October ...	2.51	3.98	2.69	3.70	2.64	1.11	4.47	2.56	3.21	3.65		1389
November ..	3.26	4.15	2.50	2.24	4.74	1.21	5.24	1.77	1.10	4.45		1256
December ...	1.72	3.11	3.17	1.40	5.67	4.75	3.12	2.23	2.43	3.50		1134
TOTALS ...	26.84	30.99	32.59	27.19	31.97	23.94	39.70	28.61	26.38	29.83		12452

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

RAINFALL at Campbell Newcastle N. H.County of NorthumberlandObserver A. S. Foster Esq. C.E. (decd)River Basin North Tyne &Carradale CE (1921)Bradford Rain Gauge, by
gal. from sand float

Diameter ...	5"											
Height	1.1		1.0			1.6					1.0	
Altitude ...	650											
Year	1920	1921	1922	1923	1924	1925	1926	1927	1928	1929	1930. MEANS.	
January ...	3.13	6.45	3.29	1.32	2.59	2.39	2.91	2.39	5.00	1.76	4.06	3529
February ...	1.95	.85	2.25	3.48	.80	4.17	3.07	.78	2.27	1.03	1.80	2195
March	2.62	1.63	1.98	1.52	.97	2.13	1.52	2.37	3.26	.09	2.55	2044
April	2.95	.76	1.52	1.93	1.86	2.83	1.21	2.30	.72	2.03	1.98	2039
May	3.43	1.25	.91	1.60	6.06	2.89	2.45	1.97	1.41	.99	1.45	2041
June	1.27	.73	1.91	.90	1.12	.16	4.06	4.23	4.03	2.03	.97	2146
July	2.71	1.15	3.91	2.25	5.58	2.34	3.95	4.06	1.42	3.38	5.88	3613
August	2.20	6.71	2.29	4.51	4.15	3.88	3.29	5.72	3.71	2.90	5.09	4445
September...	1.59	2.03	4.39	2.00	2.94	3.60	3.31	5.60	1.20	1.19	2.86	3071
October	2.12	2.26	1.29	2.58	3.39	2.41	3.88	2.69	3.18	3.12	2.95	2987
November...	2.03	2.02	.71	3.47	1.65	1.74	3.40	3.20	3.42	3.25	4.21	2910
December...	4.48	3.58	3.49	2.15	3.25	3.90	.32	2.35	2.49	4.54	1.98	3253
TOTALS...	30.48	28.92	28.24	27.71	34.56	32.44	33.37	37.66	32.11	26.26	35.08	34678

Inspected 7th 11.26. 5. in plantation of young trees. Exposure was quite good in fact a little better than previously. 5. moved here 5 or 6 years ago. Recommend leaving until end of 1927 only.

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

RAINFALL at Camphill (Newcastle W.W.)County of NorthumberlandObserver A. Hardcastle, Esq., C.E.River Basin North Tyne - 4Newcastle & Gateshead W.Co. (1938)

Type of Gauge.....

Annual Average 22.4in. based on 35 years obs. un-weighted. Period of average 1881-1915 Ref. S

660605/26.

Diameter	5.											
Height	1.0.											
Altitude	650.											
Year	1931	1932	1933	1934	1935	1936	1937	1938	1939	1940	Means Totals	
January	1.62	2.28	1.69	2.15	2.06	3.95	3.11	2.51	5.48	1.57	2636	
February	2.30	.66	3.63	.35	3.60	2.55	3.72	1.16	1.84	1.69	2150	
March	1.43	2.57	.87	3.69	1.08	2.25	2.70	1.17	3.59	8.77	2312	
April	3.19	3.25	1.73	3.20	2.81	1.48	2.16	.19	1.46	1.17	2064	
May	2.77	2.73	1.76	1.45	.74	1.68	3.09	2.78	.94	.94	1888	
June	4.46	1.19	2.44	2.60	2.13	2.41	1.13	3.53	2.27	.83	2299	
July	4.32	3.44	2.94	3.13	1.10	4.13	2.63	2.65	3.49	6.60	3443	
August	4.23	2.01	1.67	3.23	2.62	1.91	2.85	2.61	3.69	1.26	2608	
September	1.17	4.20	1.76	2.17	3.93	4.99	4.03	1.65	1.61	2.10	2761	
October	1.65	4.66	3.71	4.06	5.02	2.77	2.26	5.67	5.30	2.89	3199	
November	3.51	1.47	3.12	2.86	3.43	3.21	1.13	2.97	3.88	3.36	2894	
December	1.63	2.16	.97	4.45	1.99	2.40	4.27	3.29	1.02	2.77	2555	
TOTALS	32.28	30.62	26.29	33.34	30.51	33.73	33.08	30.78	34.57	28.89	31408	KM.
								M	M	M.		

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

RAINFALL at CampbellCounty of NorthumberlandObserver Newcastle & Gateshead W.C.River Basin North Tyne

Type of Gauge

Annual Average 29.4 in. based on 35 years obs. un-weighted. Period of average 1881-1915 Ref. SFile No. 660605/26

Diameter	5"			012	591			5"				
Height	1' 0"				1			1' 0"				
Altitude	650'				41			450'		650'	650'	
Year	1941	1942	1943	1944	1945	1946	1947	1948	1949	1950	Means	
											Total	
January	4.03	3.71	3.23	1.75	(4.58)	2.11	2.19	7.89	1.94	2.32	3375	
February	5.26	1.80	2.09	1.76	2.67	.93	3.23	2.03	1.57	3.83	2517	
March	3.27	1.73	.81	.42	.54	1.65	4.11	1.31	.82	1.34	1600	
April	1.52	1.22	1.43	1.82	2.24	.62	4.19	1.82	1.58	2.15	1859	
May	2.28	1.13	3.47	2.36	4.78	2.02	2.47	1.52	1.25	1.39	2267	
June	.33	1.03	2.28	2.15	2.31	3.04	3.66	2.76	.88	2.42	2086	
July	.82	2.51	2.11	2.46	1.54	3.77	4.03	1.13	2.02	3.90	2429	
August	4.00	3.27	5.26	2.17	1.11	4.30	.28	5.01	2.20	3.62	3122	
September	.55	2.64	2.61	6.25	2.16	4.05	1.26	3.35	2.55	5.06	3048	
October	3.63	2.80	3.32	3.08	3.58	.63	.74	1.95	3.23	1.86	2482	
November	2.70	.62	2.15	6.61	.76	4.21	3.57	2.46	3.32	5.02	3142	
December	.81	2.52	1.32	2.08	1.43	1.89	2.56	2.24	4.36	2.16	2157	
TOTALS	29.20	24.98	30.08	32.91	27.70	29.22	32.29	33.47	25.92	35.07	30084	10
	M	M	M	M	M	M	M	M	M	M		

945 Jan adj for snow

40004

1948 Report by Dr. Campbell 2/15 G. new glass indicator tube, which could be removed; otherwise excellent. Both can. needs repairing & no bottle. Report sent to G.F.

1949 Gauge examined on 9/11/49 and found to be within 1% error.

265.77

② Position on index map opposite 650 ft.

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. 3576RAINFALL at Campbell

51

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

Type of Gauge

Annual Average 29.4 in. based on 35 years obs. un-weighted.Period of average 1881-1915 Ref. S31-03 1916-1950File No. 22.0.005/26 P

Diameter ...	5"			012591							
Height ...	1' 0"			1							
Altitude ...	650'			51							
Year ...	1951	1952	1953	1954	1955	1956	1957	1958	1959	1960	Means
January ...	2.14	3.32	1.08	2.94	2.92	3.77	3.27	1.84	1.93	4.40	27.61
February ...	1.92	.49	1.89	1.79	2.93	2.66	2.47	4.44	.79	2.54	21.92
March ...	3.26	1.90	.60	1.32	1.89	.95	2.41	3.04	1.30	2.03	18.70
April ...	2.46	1.91	3.06	.69	82	.82	.72	2.22	2.31	1.44	16.45
May ...	(3.20)	1.65	2.01	3.92	1.96	.59	1.53	3.14	.33	2.30	20.63
June ...	1.22	1.51	2.01	1.82	1.62	4.05	1.67	2.99	3.29	0.79	20.97
July ...	2.33	1.79	2.43	3.23	1.59	2.19	3.55	5.71	2.81	4.08	29.71
August ...	5.21	3.09	3.04	4.89	1.24	4.55	4.02	4.08	.44	2.97	36.56
September ...	1.27	3.23	4.48	3.83	2.06	2.83	3.47	3.34	.83	1.37	27.71
October ...	1.13	2.60	1.09	6.19	1.49	2.25	2.37	1.96	2.75	6.35	28.18
November ...	6.57	3.15	2.21	2.93	1.18	.89	1.74	.85	5.39	3.20	28.11
December ...	2.25	3.38	1.57	2.59	4.17	2.19	1.77	3.73	4.22	3.26	29.13
TOTALS ...	32.96	28.02	25.47	37.14	23.87	30.44	28.99	37.34	26.39	34.73	305.68
	M	M			M.	M	M	M	M	M	

02004

10

Position of Station on Ordnance One-Inch map :

No. of Map

National Grid Reference NY 45916765

Date.	Lat. N.	Long.	Railway Station.	Distance from gauge	Direction from gauge	Parish Church.	Distance from gauge	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 1362	✓	✓	✓	✓	
-	-	-	but - 21-37		