

Hillhead  
Hillhead

Forfe.

+ Sea Level 500 ft.

S. & 3.

YEAR - -	1820	1831	1832	1833	1834	1835	1836	1837	1838	1839	MEANS.
January - -								1.7	.25	1.50	
February - -								2.7	.25	1.50	
March - - -								1.1	.30	3.55	
April - - -								3.15	1.65	.9	
May - - - -								1.2	3.30	.75	
June - - - -								3.35	5.25	4.15	
July - - - -								4.35	1.90	4.25	
August - - -								1.9	3.45	2.8	
September -								1.25	2.15	4.7	
October - -								.85	1.8	2.60	4.25
November -								6.25	1.3	4.15	5.90
December -								2.4	3.0	2.00	6.60
TOTALS -								26.80	27.25	40.85	

c c c c

619 10-57

Hillhead  
Hill Dundee

40

Forces

+ Sea level 500 ft

S. 62 - 3.

YEAR --	1840	1841	1842	1843	1844	1845	1846	1847	1848	1849	MEANS.
January --	6.60	1.10				2.40	5.38	2.80	3.02	4.20	
February --	5.1					3.61		.45	6.82	1.49	
March --	2.0					1.82	1.84	.93	3.88	1.66	
April --	.4					1.63	0.79	2.30	3.98	1.90	
May --	0.0					2.90	.50	6.29	.95	2.81	
June --	3.7					1.81	4.45	2.40	7.32	1.80	
July --	3.13				3.56	5.61		2.60	3.20	4.16	
August --	4.45				3.36	2.88	3.57	1.20	2.89	3.14	
September --	2.95				2.42	3.26	4.20	.81	2.25	1.54	
October --	2.				4.00	2.67	9.10	6.08	5.71	1.62	
November --	4.55				1.26	5.95	4.60	4.75	3.26	4.72	
December --	3.5				7.14	4.12	.59	7.13	2.15	4.41	
TOTALS --	38.40					37.66	43.02	37.82	45.43	33.53	

C C ? C C C C C

4081 10.57  
4109 10.66

Rainfall at Hill-head Monikie Dundee

Lat 56.33 N L 2.51 W

Forfar.

Above Sea level 500 ft

S. 42-3.

YEAR - -	1850	1851	1852	1853	1854	1855	1856	1857	1858	1859	MEANS.
January - -	3.02	5.42	6.00	4.35	4.82	2.48	3.53	2.20	1.09	2.00	3.493
February - -	2.61	9.00	2.20	3.00	.45	2.33	4.12	1.08	1.19	1.50	1.946
March - - -	.03	6.00	.90	2.32	1.22	3.78	.16	4.54	1.47	2.00	2.242
April - - -	4.42	3.00	.40	1.30	.19	.09	4.65	3.82	1.79	2.65	2.311
May - - -	3.30	.55	1.44	.60	3.57	1.75	3.41	2.29	2.00	.12	1.911
June - - -	.59	1.80	4.84	2.37	3.68	1.52	2.40	2.71	1.29	2.80	2.450
July - - -	2.02	2.86	1.71	3.20	2.48	2.92	1.93	2.46	3.35	2.73	2.566
August - -	3.25	2.60	3.18	3.93	1.73	3.00	3.83	1.72	2.25	1.53	2.702
September -	2.46	.70	1.56	1.25	1.13	.51	8.13	4.15	2.70	2.20	2.477
October - -	1.31	1.60	5.00	5.68	2.43	2.80	1.55	2.25	3.10	4.36	3.008
November -	3.48	1.12	5.78	2.77	5.50	1.29	2.07	3.42	3.25	3.50	3.218
December -	1.84	.66	6.98	2.61	1.86	2.87	3.15	1.40	3.91	2.07	2.735
TOTALS -	28.33	27.29	35.99	33.46	29.06	26.44	39.45	32.04	27.39	27.46	31.061

0 to 6 = 10.67

9 = 11.24



# Hillhead Monitice

60

Fofas.

572.68

3 in + Ground + Sea level 500 ft

S. 22k - 3.

YEAR - -	1860	1861	1862	1863	1864	1865	1866	1867	1868	1869	MEANS.	
January - -	3.48	3.23	5.04	3.50	3.05	3.83	3.05	7.50	3.62	4.90	4.220	+
February - -	1.76	3.19	2.60	.60	3.93	3.17	3.15	1.50	2.17	1.75	2.382	
March - - -	2.50	3.16	3.62	1.19	3.10	1.25	3.35	3.00	2.10	1.43	2.470	
April - - -	.04	.07	1.36	1.55	1.05	.89	2.00	3.00	3.45	1.95	1.696	-
May - - -	1.17	1.03	3.12	1.72	1.90	2.53	1.66	3.93	2.25	1.55	2.086	
June - - -	5.68	2.09	4.28	3.42	1.80	.52	1.40	.97	.59	2.76	2.351	
July - - -	3.00	2.76	3.92	.66	2.79	3.17	4.00	6.12	.60	1.27	2.829	
August - -	3.07	4.67	3.13	4.55	.70	4.00	3.13	2.47	5.61	1.59	3.292	
September -	.95	5.20	2.45	4.18	4.70	.45	4.05	2.25	5.03	6.40	3.566	
October - -	2.05	3.00	3.13	2.53	9.90	7.65	2.72	3.17	2.77	3.45	4.117	
November -	6.45	4.30	.88	2.50	4.07	4.00	2.05	.40	1.93	1.07	2.765	
December -	5.68	2.05	3.00	2.00	3.85	2.50	3.50	1.20	7.65	2.70	3.413	
TOTALS -	37.43	35.55	57.33	28.40	40.84	33.96	3406	35.57	3797	30.82	35187	

c c c c + c c c c - c

# RAINFALL AT *Monk's Hill Head*

Lat.....

Lon.....

County of *Forfar*

Rain Gauge, by..... Observer *W. Macdonald Esq. Dundee W.H.*

*S. L. 3.*

Diameter .....	.11											
Height .....	.3		.4		3							
Altitude .....	<i>570.</i>		<i>500.</i>	<i>570</i>								
YEAR .....	1870	1871	1872	1873	1874	1875	1876	1877	1878	1879	MEANS.	
January.....	2.10	2.12	4.90	3.88	3.10	6.90	1.77	5.98	3.12	2.53	3.632	
February .....	2.85	5.15	7.00	1.53	1.30	3.60	6.15	2.15	1.80	4.63	3.616	
March .....	1.23	.97	3.90	2.50	1.35	2.99	2.95	2.66	1.12	3.23	2.243	
April .....	.41	1.82	2.64	.20	1.10	.93	5.12	3.54	2.47	3.39	2.662	
May .....	2.00	1.10	3.60	3.67	4.00	1.20	.45	3.15	2.67	2.56	2.440	
June.....	2.00	2.17	4.85	1.60	1.15	4.80	3.10	3.65	3.14	5.45	3.191	
July .....	2.00	5.35	1.65	6.00	2.40	3.39	1.60	5.15	.90	6.70	3.514	
August.....	2.00	2.68	3.00	3.53	8.25	2.92	2.97	8.15	7.00	6.40	4.690	
September.....	3.40	2.52	4.85	4.60	3.90	5.00	5.03	2.39	3.87	2.88	3.844	
October.....	3.74	5.15	4.33	3.00	3.20	8.57	4.60	4.37	3.23	.82	4.101	
November.....	2.20	3.17	6.07	2.15	3.90	6.50	7.30	4.05	2.09	2.38	3.981	
December.....	5.55	1.95	5.19	2.47	3.00	3.09	9.60	3.60	3.12	1.15	3.872	
TOTALS .....	29.48	39.15	57.98	34.90	36.65	49.89	50.64	48.84	34.53	42.12	41.818	

# RAINFALL AT Hill Head

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

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

County of Forfar

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

Observer J. Watson, Esq., C.E.

S. No. - 3.

Diameter ....	11										
Height .....	0.3									3.0	
Altitude ....	570 T										
Year .....	1880	1881	1882	1883	1884	1885	1886	1887	1888	1889	MEANS.
January ....	1.94	1.67	1.59	3.84	4.20	2.14	5.04	2.58	3.04	1.64	2.788
February ....	3.09	5.62	2.37	3.39	2.47	3.81	1.98	1.68	1.18	2.49	2.808
March .....	2.28	3.81	3.18	2.84	3.54	3.14	5.10	1.38	4.97	1.92	3.216
April .....	3.74	.59	6.29	1.89	2.28	3.18	1.42	2.48	1.59	4.98	2.844
May .....	1.02	2.28	2.80	1.42	2.31	4.60	3.89	1.21	2.34	1.65	2.352
June .....	1.39	3.36	4.97	3.07	.42	.70	1.41	.68	2.82	1.09	1.991
July .....	3.71	3.42	4.87	5.43	6.04	.89	4.43	2.59	6.16	3.36	4.090
August .....	.76	5.12	2.69	4.07	2.68	2.78	1.54	4.95	2.09	7.84	3.452
September....	3.90	5.56	3.92	3.24	2.51	3.74	2.93	3.72	.48	.53	3.053
October.....	1.80	5.02	5.26	2.17	1.90	1.94	4.94	.81	2.26	3.57	2.967
November....	3.36	3.77	4.38	2.88	2.24	2.38	2.48	3.97	7.53	1.06	3.375
December ....	2.93	3.37	6.86	1.59	3.87	1.38	2.81	2.09	2.98	1.64	2.952
TOTALS ....	29.92	43.79	49.18	35.53	31.46	30.68	37.97	28.14	37.44	31.77	35.888



# RAINFALL AT *Hill Head*

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

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

County of *Forfar*

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

Observer *J. Watson Esq. C.E.*  
*G. Baxter Esq.*

*S. L. R. - 3. Monthly*

Diameter ....	<i>11</i>									<i>11</i>	
Height .....	<i>0 3</i>				<i>3 0</i>	<i>0.3</i>	<i>3.0</i>			<i>3 0</i>	
Altitude ....	<i>570 J</i>									<i>570</i>	
Year .....	<i>1890</i>	<i>1891</i>	<i>1892</i>	<i>1893</i>	<i>1894</i>	<i>1895</i>	<i>1896</i>	<i>1897</i>	<i>1898</i>	<i>1899</i>	MEANS.
January ....	<i>3.73</i>	<i>1.34</i>	<i>2.48</i>	<i>2.09</i>	<i>3.67</i>	<i>4.03</i>	<i>.98</i>	<i>2.13</i>	<i>1.29</i>		
February ....	<i>1.67</i>	<i>.27</i>	<i>3.40</i>	<i>3.87</i>	<i>4.72</i>	<i>2.20</i>	<i>1.17</i>	<i>1.18</i>	<i>.75</i>		
March .....	<i>2.47</i>	<i>2.61</i>	<i>1.24</i>	<i>1.17</i>	<i>.92</i>	<i>4.19</i>	<i>1.77</i>	<i>4.41</i>	<i>.83</i>		
April .....	<i>.78</i>	<i>.98</i>	<i>.85</i>	<i>1.48</i>	<i>1.62</i>	<i>1.61</i>	<i>1.26</i>	<i>1.92</i>	<i>6.70</i>	<i>#</i>	
May .....	<i>3.09</i>	<i>2.31</i>	<i>3.78</i>	<i>1.62</i>	<i>4.32</i>	<i>.52</i>	<i>1.02</i>	<i>1.80</i>			
June .....	<i>3.81</i>	<i>.63</i>	<i>3.81</i>	<i>2.61</i>	<i>2.17</i>	<i>1.87</i>	<i>2.78</i>	<i>5.57</i>			
July .....	<i>4.74</i>	<i>2.95</i>	<i>2.09</i>	<i>2.87</i>	<i>3.80</i>	<i>4.57</i>	<i>4.39</i>	<i>1.57</i>			
August .....	<i>2.97</i>	<i>5.03</i>	<i>5.69</i>	<i>3.85</i>	<i>5.82</i>	<i>4.67</i>	<i>2.04</i>	<i>4.82</i>			
September ...	<i>2.74</i>	<i>5.81</i>	<i>1.67</i>	<i>2.32</i>	<i>.30</i>	<i>.96</i>	<i>5.07</i>	<i>1.63</i>		<i>#</i>	
October .....	<i>2.41</i>	<i>3.34</i>	<i>5.47</i>	<i>3.04</i>	<i>5.17</i>	<i>1.86</i>	<i>3.35</i>	<i>2.91</i>		<i>3.88</i>	
November ....	<i>5.20</i>	<i>4.28</i>	<i>3.04</i>	<i>2.17</i>	<i>1.66</i>	<i>3.72</i>	<i>1.07</i>	<i>2.81</i>		<i>1.20</i>	
December ....	<i>2.38</i>	<i>4.23</i>	<i>.98</i>	<i>2.14</i>	<i>2.75</i>	<i>3.96</i>	<i>8.43</i>	<i>4.81</i>		<i>2.44</i>	
TOTALS ....	<i>35.99</i>	<i>33.78</i>	<i>34.50</i>	<i>29.23</i>	<i>36.92</i>	<i>34.16</i>	<i>33.33</i>	<i>35.56</i>	<i>(33.77)</i>	<i>(36.78)</i>	<i>(34.402)</i>

*Craigton*

*1899 New gauge*

*1898 & 1899 Craigton figures used*

# RAINFALL AT Braighton Hillhead

Lat. ....

Lon. ....

County of Forfar

Rain Gauge, by .....

Observer G. Baxter Esq. C.E.

S. S. K. - 3.

Diameter ..	11										
Height ....	3.0										
Altitude ..	570										
Year ....	1900	1901	1902	1903	1904	1905	1906	1907	1908	1909	MEANS.
January ..											
February ..	5.27	1.40	.92	4.85	2.09	.44	2.16	1.37	2.42	2.34	2.326
March ....	3.88	1.68	1.85	2.77	4.65	1.00	1.02	1.17	.59	.96	1.957
April .....	1.91	1.87	1.12	2.85	2.21	3.73	1.09	1.80	4.02	5.62	2.622
May .....	1.58	2.39	2.33	1.26	1.73	2.54	1.20	2.52	.77	3.89	2.021
June .....	1.98	2.29	2.62	1.68	2.77	1.57	5.86	5.62	2.07	2.69	2.915
July .....	2.01	2.00	1.62	2.28	.82	.99	1.19	4.87	1.27	1.52	1.857
August ....	4.68	1.03	3.09	5.25	1.27	1.50	1.74	2.28	2.42	3.60	2.686
September ..	5.12	4.75	3.10	4.40	5.79	4.79	4.74	3.73	2.08	2.05	4.055
October ....	3.12	1.59	1.71	3.14	3.33	1.74	1.25	1.31	6.53	1.39	2.511
November ..	3.27	2.33	1.57	6.15	1.09	2.25	4.31	5.39	3.98	3.99	3.433
December ..	5.45	1.82	3.80	1.16	1.01	5.45	4.72	1.85	2.04	.36	2.766
TOTALS ..	4.09	3.11	2.96	2.96	1.96	1.38	1.71	3.52	3.31	3.31	2.831
TOTALS ..	42.36	26.26	26.69	38.75	28.72	27.38	30.99	35.43	31.50	31.72	31.980

*Ans*



RAINFALL at Braigton, HillheadCounty of ForfarObserver G. Baxter Esq. G.B.River Basin South Esk &c. 3

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

M

Diameter ...	11									8	
Height .....	3 0										
Altitude ...	370						570				
Year ...	1910	1911	1912	1913	1914	1915	1916	1917	1918	1919	MEANS.
January ...	1.68	.77	3.87	4.89	1.61	2.88	2.17	1.52	2.32	5.39	
February ...	2.19	1.29	3.03	.75	2.81	4.49	3.10	1.61	2.17	2.75	
March .....	1.38	.98	2.61	3.66	4.47	2.17	3.50	2.14	1.53	2.00	
April .....	2.42	1.24	.13	2.76	.80	.71	2.14	1.39	.87	2.58	
May .....	1.85	1.21	1.63	3.47	1.51	1.12	3.45	2.17	3.73	1.11	
June .....	1.51	1.00	3.38	1.74	.44	.96	3.60	1.02	1.15	1.60	
July .....	4.62	1.51	2.95	.68	2.43	3.74	8.14	1.97	4.33	.71	
August .....	7.22	1.43	4.06	1.30	2.75	2.62	4.69	6.23	2.52	2.38	
September ..	.82	1.17	1.18	2.86	.56	1.31	1.39	1.53	4.51	1.39	
October ....	1.68	2.07	6.37	2.04	3.31	3.11	4.72	2.85	2.71	1.97	
November ...	3.02	3.14	1.53	2.14	3.88	2.05	4.36	2.78	1.84	5.02	
December ...	3.02	5.11	2.40	1.20	5.71	7.90	4.76	1.14	1.73	5.68	
TOTALS ...	31.41	20.92	33.14	27.49	30.28	33.06	46.02	26.35	29.41	30.58	

Date.	Lat. N.	Long. W.	Railway Station.	Distance.	Direction.	Church.	Distance.	Direction.
(1914)	56° 32' 42"	48° 40'	Monikie	$\frac{1}{4}$ m.				
1919			"	$\frac{1}{2}$ mi	S.	Monikie	1 mi	SE.

*Monikie* *name changed 1927*

## RAINFALL at Graigton, Hillhead

County of ForsythObserver G. Baxter Esq. C.E.River Basin South Esk & C. 3

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

*Probably used, alt. 6.1.21.*

Diameter ...	8			8							
Height .....	3 0			2 0							
Altitude ...	570			570							
Year .....	1920	1921	1922	1923	1924	1925	1926	1927	1928	1929	MEANS.
January ...	2.11	4.72	5.41	1.94	3.58	1.86	5.37	1.79			
February ...	2.04	.51	3.62	6.43	1.54	4.27	5.71	1.74			
March .....	1.91	2.27	2.32	1.71	.97	1.28	.75	3.15			
April .....	2.13	1.27	1.85	3.15	2.02	4.90	3.26	.91			
May .....	3.68	2.96	1.11	1.89	4.55	3.60	1.98	2.57			
June .....	1.02	.78	1.81	.84	2.08	.81	3.32	2.52			
July .....	2.29	1.97	4.62	2.07	5.02	1.67	3.36	2.06			
August .....	4.09	3.53	2.13	5.46	3.12	2.36	2.44	4.54			
September...	2.27	1.25	2.67	2.64	1.06	3.44	3.75	5.36			
October .....	2.88	2.02	1.69	2.84	4.75	2.58	5.19	6.37			
November...	2.43	2.74	1.69	2.14	2.59	1.32	6.10	(2.19)			
December...	3.53	1.34	1.60	3.65	3.41	2.03	.21	(3.22)			
TOTALS...	30.38	25.36	30.52	34.76	37.69	30.12	41.44	36.42	NR	NR	NR.

1927. Nov. &amp; Dec. adjusted by run 562.

1920 File 5562 encl 37. Obs says "gauge abandoned".

Position of Station on reduced Ordnance Survey } No. of Map \_\_\_\_\_  
Map, 2 miles to 1 inch Series

Reference No. \_\_\_\_\_

Date.	Lat. N.	Long.	Railway Station.	Distance from gauge	Direction	Parish Church.	Distance from gauge	Direction
1920	56° 32' 40"	2° 48' 40"	Monikie	1/2 mi	S	Monikie	1 mi	S.E.