

St. Agnes

Iruo

Cornwall

John. Opie.

Dr. Barham

1.8

66.68

11 + Ground 1.4 in

+ Sea Level 300 ft

Channel & N. W. Coast Streams - 1

YEAR - -	1860	1861	1862	1863	1864	1865	1866	1867	1868	1869	MEANS.
January - -				#	5.32	3.18	6.69	5.94	7.19	5.47	4.64
February - -					1.49	1.50	3.33	4.70	3.08	2.22	3.96
March - - -					2.73	1.97	2.53	3.88	4.84	2.36	2.00
April - - - -					1.42	1.75	.86	3.52	3.69	2.93	1.42
May - - - - -					2.36	1.65	2.71	2.55	4.17	1.85	4.86
June - - - - -					6.13	1.91	1.95	3.26	1.27	.72	.56
July - - - - -					1.46	.99	3.40	1.94	6.53	.96	.45
August - - -					4.62	1.44	4.99	4.69	1.22	3.05	.55
September -					3.70	4.07	.34	6.60	1.80	4.58	4.88
October - - -					5.30	4.60	6.49	2.33	5.33	4.57	2.91
November -					3.82	3.97	5.44	3.14	1.07	5.27	5.34
December -					3.62	4.68	3.94	4.90	2.69	8.37	5.14
TOTALS -					41.87	31.71	42.69	47.45	42.88	42.37	38.71

1863 Dr. Barham says "having examined into the probable correctness of a return in Mr. Opie's table of 2.36 in on the 12th of June, he states that the amount which fell was very large and appears to have been still greater in the neighboring Valley where the wheelbarrows used for carrying the Cores which were empty on the preceding evening, were found full and running over on the following morning; they are shallow barrows not more than 6 or 8 inches deep, the sides are inclined, still it would, ^{probably} require a fall of about 4 inches to fill them."

RAINFALL AT *St. Agnes*

Lat.....

Lon.....

County of *Cornwall*

Rain Gauge, by.....

Observer

*W. Apin**Panel & N.W. Coast Streams - 1.*

Diameter .....	.11	.	.5									
Height	1.8	.	1.2									
Altitude	2780	.										
YEAR	1870	1871	1872	1873	1874	1875	1876	1877	1878	1879	MEANS.	
January.....	2.89	3.72										
February	3.55	2.41										
March	2.69	1.53										
April .....	.06	4.70										
May	1.46	0.49										
June .....	.54	1.12										
July	1.00	5.31										
August.....	2.83	3.37										
September.....	1.64	7.23										
October.....	⁺ 6.58	6.56										
November.....	5.14	1.72										
December.....	2.79	4.14 ₂₁										
TOTALS	32.05	42.30										

C 2 C

This Gauge registered 12 1/2 per cent too much.

RAINFALL AT *St Agnes*

80

Lat. _____

Lon. _____

County of _____

Cornwall

Rain Gauge, by _____

Observer _____

M. C. Prie

Keamel & N. de. Coast Streams - 1

Diameter	<i>5"</i>											
Height	<i>1.3</i>											
Altitude	<i>278 B</i>											
Year	1880	1881	1882	1883	1884	1885	1886	1887	1888	1889	MEANS.	
January	<i>.60</i>	<i>1.98</i>	<i>2.56</i>	<i>4.01</i>	<i>3.39</i>	<i>2.91</i>	<i>4.96</i>	<i>2.82</i>	<i>2.44</i>	<i>2.41</i>	<i>2.808</i>	
February	<i>4.07</i>	<i>4.00</i>	<i>3.15</i>	<i>6.72</i>	<i>11.44</i>	<i>5.09</i>	<i>1.97</i>	<i>.75</i>	<i>.81</i>	<i>3.17</i>	<i>3.417</i>	
March	<i>2.16</i>	<i>3.64</i>	<i>1.55</i>	<i>2.32</i>	<i>4.26</i>	<i>1.49</i>	<i>3.31</i>	<i>1.74</i>	<i>4.61</i>	<i>3.64</i>	<i>2.872</i>	
April	<i>2.11</i>	<i>1.08</i>	<i>5.49</i>	<i>1.91</i>	<i>2.58</i>	<i>3.22</i>	<i>2.38</i>	<i>.96</i>	<i>1.67</i>	<i>2.16</i>	<i>2.356</i>	
May	<i>1.79</i>	<i>1.05</i>	<i>1.42</i>	<i>1.91</i>	<i>1.11</i>	<i>2.40</i>	<i>2.06</i>	<i>1.28</i>	<i>1.86</i>	<i>3.74</i>	<i>1.862</i>	
June	<i>2.20</i>	<i>3.55</i>	<i>4.25</i>	<i>2.00</i>	<i>1.62</i>	<i>2.02</i>	<i>.86</i>	<i>.05</i>	<i>3.04</i>	<i>.68</i>	<i>2.026</i>	
July	<i>3.48</i>	<i>3.05</i>	<i>4.71</i>	<i>2.45</i>	<i>4.10</i>	<i>.86</i>	<i>3.27</i>	<i>1.17</i>	<i>5.17</i>	<i>2.89</i>	<i>3.115</i>	
August	<i>.26</i>	<i>3.43</i>	<i>2.83</i>	<i>1.21</i>	<i>2.19</i>	<i>4.18</i>	<i>1.94</i>	<i>1.65</i>	<i>2.40</i>	<i>3.50</i>	<i>2.360</i>	
September	<i>1.71</i>	<i>1.52</i>	<i>3.70</i>	<i>4.93</i>	<i>2.34</i>	<i>6.21</i>	<i>3.18</i>	<i>3.61</i>	<i>1.85</i>	<i>1.11</i>	<i>3.016</i>	
October	<i>7.82</i>	<i>3.82</i>	<i>5.60</i>	<i>4.48</i>	<i>2.35</i>	<i>7.86</i>	<i>6.46</i>	<i>4.13</i>	<i>3.09</i>	<i>6.31</i>	<i>5.192</i>	
November	<i>4.14</i>	<i>4.27</i>	<i>5.02</i>	<i>3.85</i>	<i>2.93</i>	<i>4.62</i>	<i>4.29</i>	<i>4.22</i>	<i>8.61</i>	<i>4.64</i>	<i>4.649</i>	
December	<i>5.53</i>	<i>4.97</i>	<i>7.02</i>	<i>1.38</i>	<i>4.21</i>	<i>1.63</i>	<i>6.96</i>	<i>3.21</i>	<i>5.18</i>	<i>3.11</i>	<i>4.320</i>	
TOTALS	<i>35.77</i>	<i>36.36</i>	<i>47.30</i>	<i>37.17</i>	<i>35.52</i>	<i>42.49</i>	<i>41.63</i>	<i>25.60</i>	<i>40.73</i>	<i>37.36</i>	<i>37.993</i>	

St Agnes Church 300 yards N

1887

RAINFALL AT *St Agnes*

Lat. _____

Lon. _____

County of *Cornwall*

Rain Gauge, by _____

Observer *Mr Opie**Camel & N.W. Coast Streams - 1*

Diameter	5											
Height	1 3											
Altitude	278 B											
Year	1890	1891	1892	1893	1894	1895	1896	1897	1898	1899	MEANS.	
January	5.40	2.37	2.83	3.75	4.25	7.18	.90	3.28	1.32	5.82	3.710	
February	1.70	.14	3.95	3.95	2.20	.03	.82	4.90	1.78	3.98	2.345	
March	1.31	2.47	.85	.16	1.86	2.53	2.36	3.97	1.61	1.75	1.887	
April	2.78	2.22	1.50	.12	4.07	1.93	.78	4.45	2.40	2.12	2.237	
May	5.23	2.15	2.00	.95	2.04	.58	.09	1.67	4.06	2.05	2.082	
June	3.30	2.58	1.66	.75	1.66	1.31	1.23	1.65	1.83	1.26	1.723	
July	4.40	1.95	1.63	3.74	4.00	2.52	2.67	.92	.69	.82	2.324	
August	3.06	6.04	4.17	1.74	2.96	2.49	1.60	3.95	1.99	1.58	2.953	
September....	2.03	3.95	3.27	2.98	2.15	.50	5.13	4.06	.76	2.98	2.781	
October	1.92	8.41	4.78	2.68	5.18	5.96	4.39	1.40	6.89	3.64	4.525	
November....	4.43	4.51	3.85	2.77	8.36	5.53	1.44	3.39	3.67	3.17	4.112	
December	4.06	4.74	2.58	4.95	3.35	8.21	8.00	6.83	4.68	3.65	5.105	
TOTALS . . .	39.62	41.53	33.07	28.54	42.08	38.77	29.41	40.47	31.68	32.77	35.194	

RAINFALL AT

St Agnes

Lat.

Lon.

County of

Cornwall

Rain Gauge, by

C. Twite Esq

Observer

W Whitworth Esq

Garden & N.W. Coast Stream

Diameter ..	5										
Height	5 6			4.6						3.8	
Altitude ..	315 3			318					320 8		
Year	1900	1901	1902	1903	1904	1905	1906	1907	1908	1909	MEANS.
January ..	5.64	3.96	2.46	4.54	5.33	1.99	5.21	1.44	1.34	2.43	3.434
February ..	6.05	2.01	2.20	1.75	6.28	1.12	4.52	1.17	1.98	.55	2.763
March	2.71	3.05	2.81	5.16	2.12	5.56	1.14	.99	4.83	4.35	3.272
April	1.77	4.50	2.74	2.04	1.60	2.52	1.50	4.57	1.75	1.81	2.480
May	2.04	.98	1.52	2.45	3.01	.53	3.61	2.57	1.48	.83	1.902
June	2.45	2.62	2.78	1.33	1.23	2.12	1.68	2.49	.99	2.59	2.028
July .....	.96	.89	2.71	3.73	4.25	1.22	1.95	1.43	2.17	2.20	2.151
August	2.57	1.05	1.64	4.29	2.65	4.58	1.72	1.42	3.14	1.68	2.474
September..	2.18	4.21	2.98	2.72	2.26	1.06	1.25	2.50	2.24	1.04	2.244
October....	3.31	2.58	3.63	8.00	2.20	2.14	4.92	6.53	1.66	5.95	4.092
November..	6.17	.97	5.83	2.92	2.69	5.65	3.85	6.03	1.69	1.49	3.729
December..	5.85	6.52	3.09	7.03	3.76	1.43	4.26	4.68	4.59	4.26	4.547
TOTALS ..	41.70	33.34	34.39	45.96	37.38	29.92	35.61	35.82	27.86	29.18	35.116

1902 St Agnes ^{1/2 mile} ^{210 ft} ^N
 1903 - Station 1 mile S

1904 Garden wall 5 ft high 60 ft in each direction gauge in centre
 1909 Aug 12th gauge moved 30 paces E in consequence of fruit
 trees & is now placed in the open meadow to the east of the garden & is well
 protected from interference but is quite open to the weather the difference
 in height above sea level is about 2 ft 320 inches of 318

RAINFALL at St AgnesCounty of CornwallObserver W. T. Whitworth EsqRiver Basin Cornel + NW Coast Streams 1 W. T. Whitworth (17)

* painted

Snowdon Rain Gauge, by Cassell
at St Agnes

Diameter ...	5										
Height	3.8								5.0		
Altitude ...	320 ft										
Year ...	1910	1911	1912	1913	1914	1915	1916	1917	1918	1919	MEANS.
January ...	3.56	1.28	2.74	6.24	1.30	4.18	1.14	1.78	3.80	5.25	1197
February ...	5.03	1.87	3.16	1.20	4.59	6.39	4.92	1.16	1.88	4.80	1276
March .....	.73	2.82	5.05	4.30	5.39	.40	3.40	3.43	1.82	3.90	1255
April	2.83	1.93	.32	4.83	1.67	1.60	.78	1.05	1.58	1.94	535
May	1.93	.79	1.20	3.62	1.02	2.24	1.37	2.41	.82	1.36	596
June	1.85	2.04	4.82	1.16	1.89	2.59	1.73	3.16	.89	.73	651
July	1.75	1.01	3.22	.39	5.39	3.94	1.45	1.18	2.94	.67	624
August	2.97	2.01	7.46	.98	2.14	2.05	2.88	4.94	1.21	2.12	1115
September ..	.21	2.64	.92	2.79	2.62	2.29	1.84	2.07	5.55	1.38	1084
October ...	5.22	3.03	3.70	3.64	2.63	4.21	5.49	4.86	3.09	1.21	1465
November ..	5.23	3.36	2.17	4.85	3.93	2.71	6.26	2.10	4.11	2.95	1542
December ...	6.10	8.29	6.14	2.96	8.02	8.12	4.64	1.32	4.63	5.64	1603
TOTALS ...	37.41	31.07	41.90	36.96	38.59	40.72	35.70	29.46	32.32	31.95	12943

190 f open to all points of compass

1919 Gauge moved Oct 1st 12 ft S.S.W.

Inspected ca 15. VII.13 by on post 3ft 6in high at N. corner of small enclosure with shrubs on all sides.
 sheltered by shrubs on N.W. but not on E. & S. Flagstaff with windvane on S. G. would probably
 give rather too little on account of elevation but this exposure is not very bad

Date.	Lat. N.	Long.	Railway Station.	Distance.	Direction.	Church.	Distance.	Direction.
1910	50° 14'	5° 12' W	St Agnes	1 mile	S	St Agnes	1/8 m	N

RAINFALL at *St. Agnes, Church Town*County of *Isle of Man*Observer *W. E. Whitworth, Esq.*River Basin *1*Rain Gauge, by *Isle of Man*
(certified)

G.S. Gauge.

Diameter ...	5											
Height	50											
Altitude ...	518											
Year	1920	1921	1922	1923	1924	1925	1926	1927	1928	1929	1930 MEANS.	
January ...	4.08	3.36	4.30	2.08	5.12	3.32	4.75	6.17	5.89	2.29	8.00	4936
February ...	8.8	4.2	3.39	5.52	1.93	5.43	2.05	2.49	3.22	2.53	2.21	3007
March	2.95	2.44	2.12	1.65	1.71	1.43	1.77	2.90	4.91	3.85	2.48	2271
April	2.85	6.8	3.36	3.38	2.32	2.91	1.87	1.98	2.39	6.7	2.30	2471
May	1.43	2.06	8.6	2.20	2.31	3.34	1.40	7.7	2.04	3.65	1.54	2160
June	2.51	0.8	1.02	5.4	1.85	0.00	2.92	2.83	1.56	2.55	9.7	1683
July	4.41	1.42	2.74	1.49	3.13	3.33	1.60	2.00	1.58	1.48	1.78	2496
August	9.4	3.33	3.01	1.89	3.07	2.51	2.54	3.05	2.01	2.60	4.12	2907
September...	3.53	4.9	2.60	2.22	2.77	2.75	1.04	5.43	1.34	7.9	4.64	2760
October	6.20	1.31	1.15	5.83	7.02	3.03	3.53	2.03	5.34	5.23	4.74	4541
November...	2.24	3.65	1.22	3.33	3.63	2.58	5.36	3.50	3.01	8.92	5.41	8285
December...	2.63	2.07	5.38	3.24	5.28	4.19	8.4	2.77	4.73	5.99	2.51	3963
TOTALS...	34.65	21.31	31.16	38.37	40.14	33.82	28.67	35.92	38.02	37.05	4070	37480
	D	D	D	D	D	D	D	D	D	D	D	D

1919 Gauge moved at 14.12 ft. S.W.

1920 for full point.

1925. Tree 12 ft high 18 ft N.

" 20 " 30 " E.

1929 Gauge leaking slightly from end of Sept.
New gauge Jan 1930.

33410

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
1920.	55° 19'	5° 12' W.	St. Agnes.	1 mile S.		St. Agnes	5 mile N.	

RAINFALL at St. Agnes Church Town NEW Gauge

County of Cornwall Observer Dr. W. G. Whitworth

River Basin Cannel & N.W. Coast Streams!

..... *Rain Gauge*, by
.....

New Gauge.

[illegible]

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

Reference No.....

[illegible]

RAINFALL at St Agnes (Church Town) (Newg.)County of CornwallObserver Dr. W. C. WhitworthRiver Basin Camel & N.W. Coast Streams - 1.Type of Gauge SnowdonAnnual Average 36.5 in. based on 35 years obs. un-weighted. Period of average 1881-1915 Ref. 24/28

852339/28

Diameter	5.											
Height	1.0											
Altitude	318.											
Year	1931	1932	1933	1934	1935	1936	1937	1938	1939	1940	Means	
January	3.61	4.20	3.18	4.14	1.22	6.57	7.26	5.08	6.55	2.96	44.77	
February	3.06	.02	3.61	.28	4.14	7.03	3.90	1.65	2.09	6.03	33.81	
March	4.36	2.22	3.53	4.17	.91	4.49	5.71	.66	1.88	3.10	31.03	
April	1.15	2.78	2.23	3.41	3.71	2.18	3.55	.02	2.95	2.98	24.96	
May	3.11	3.96	2.57	2.41	2.38	1.30	2.02	2.07	1.06	.67	21.55	
June	2.57	2.21	2.15	2.09	3.12	2.06	1.62	1.54	2.36	1.53	21.25	
July	7.03	3.97	2.71	1.13	.56	6.23	1.23	3.68	6.07	2.69	35.50	
August	3.38	2.68	1.90	3.83	3.87	.75	.88	4.34	2.01	.21	23.85	
September	2.66	4.31	1.67	3.59	3.32	3.25	3.45	2.31	.95	1.78	27.29	
October	1.19	8.79	7.21	3.16	4.90	1.83	3.22	4.30	3.52	4.52	42.64	
November	8.82	3.16	2.21	2.25	6.30	5.26	3.45	6.53	7.10	6.58	51.66	
December	2.13	3.77	2.81	10.34	5.34	4.44	2.88	4.67	3.02	5.01	43.91	
TOTALS	43.07	42.07	35.28	40.80	39.77	45.49	41.27	36.85	39.56	38.06	402.22	
	D	D	D.	D.	D	D	D	D	P	D		

New gauge in new position Dec. 31st 1929.

1931. Stone hedge 3' high 9' E

House 45' high 200' S

" 40' " 150' SW

N.B. The average 36.5 was deleted from "BR 1936" as too small in accordance with Memo 12. of 852339/28.

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			St. Agnes	1 mile	S	St. Agnes	1/8 mi	N

Station No. 1881

RAINFALL at St Agnes (Church Town)

41

County of Cornwall Observer Dr W.C. Whitworth

River Basin Camel & N.H. Coast Streams - 1

Type of Gauge Snowden

Annual Average in. based on years obs. un-weighted. Period of average 1881/1915 Ref. B. & N.

File No. 852339/28

Diameter	5"				382	793					
Height	1' 0"										
Altitude	318'										
Year	1941	1942	1943	1944	1945	1946	1947	1948	1949	1950	Means
January	4.30 ¹⁰⁰	5.05	6.75	3.79	3.57	5.31	5.06	7.15	1.12	2.15	4.425
February	5.30 ¹⁰⁰	4.48	2.12	1.10	3.62	3.63	2.46	1.50	1.52	8.16	2.989 ⁶¹
March	3.70 ¹⁰⁰	2.75	.98	.46	1.17	2.63	9.28	1.73	1.40	2.08	2.48 ⁶¹
April	1.80 ¹⁰⁰	1.84	2.30	2.50	1.12	2.02	2.96	2.21	1.63	2.17	1.955
May	3.70 ¹⁰⁰	6.66	3.37	.96	3.07	4.43	4.01	1.94	3.00	2.63	3.377
June	2.70 ¹⁰⁰	.83	1.73	2.91	3.29	2.45	3.08	2.00	1.54	1.23	2.076
July	99	1.77	3.11	2.48	5.28	2.35	2.79	1.96	2.63	3.49	2.685
August	5.07	2.41	2.89	1.87	2.15	5.09	.71	3.28	1.76	6.93	3.716
September	1.13	2.82	5.71	2.30	1.76	5.16	1.45	1.64	3.21	6.02	3.120
October	1.78	3.33	3.22	4.04	3.02	4.09	1.92	6.35	7.93	2.46	3.814
November	4.03	.84	2.98	8.49	2.16	6.09	3.76	3.24	4.08	7.24	4.291
December	2.63	6.10	3.02	3.47	7.14	5.44	2.87	6.33	3.00	5.53	4.553
TOTALS	31.12 ¹⁰⁰ w.p.	34.88 ¹⁰⁰ p	38.18 ¹⁰⁰ p	34.37 ¹⁰⁰ p	37.35 ¹⁰⁰ p	48.69 ¹⁰⁰ w.p.	40.35 ¹⁰⁰ p	39.33 ¹⁰⁰ p	31.82 ¹⁰⁰ p	50.09 ¹⁰⁰ p	39.119

1941. n.p. info Stone hedge 3' high S.E. House 45' high 200' S. House 40' high 150' S.W.
 " Jan-June (-July 1941) no readings taken ✓
 1946 n.p. etc

748 ft from gauge road 150 yds NW.

not from Raintall
1901/3

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			St Agnes.	1 mile	S.	St Agnes	1/8 mile	N.

Station No. 1881 *M***RAINFALL at** St Agnes (Church Town)

51

County of CornwallObserver Dr. W. C. Whitworth *died 1951*River Basin Camel N.W. Coast Stream-1DR HENRY WHITWORTHType of Gauge SnowdonAnnual Average 39.63 in, based on 25 years obs. un-weighted. Period of average 1916-50 Ref 5File No. 852339/28

Diameter ...	5"				382	493						
Height ...	1' 0"					1						
Altitude ...	318'					51						
Year ...	1951	1952	1953	1954	1955	1956	1957	1958	1959	1960	Means	
January ...	5.13	4.17	7.2	2.12	6.19	4.34	3.18	(5.30)	(5.68)	4.15		
February ...	4.18	1.26	1.79	5.52	1.99	1.55	4.86	5.65	5.4	4.56		
March ...	5.39	3.02	1.01	3.05	1.45	2.05	4.07	3.56	4.68	3.22		
April ...	2.86	3.36	1.88	.66	1.22	.64	.59	.98	2.83	2.98		
May ...	3.49	1.98	3.15	2.94	2.71	1.60	2.21	2.13	2.18	1.81		
June ...	.35	1.15	1.65	2.79	3.53	1.90	2.72	3.23	1.34	.89		
July ...	.86	1.10	4.63	3.72	.00	4.44	2.83	2.54	1.47	4.72		
August ...	3.67	3.54	1.84	1.83	.77	3.26	2.80	4.45	6.04	2.85		
September ...	4.24	4.88	3.98	4.11	1.69	4.73	3.13	5.20	.11	5.09		
October ...	1.49	4.68	2.60	3.24	3.36	1.48	2.69	3.15	5.24	8.50		
November ...	6.01	5.25	2.23	7.25	3.75	2.24	3.02	2.98	7.17	4.90		
December ...	4.42	3.30	1.33	3.94	6.08	7.05	4.50	5.02	8.39	5.34		
TOTALS ...	42.09	37.69	26.81	41.17	32.74	35.28	36.60	44.79	45.67	49.01		
	D	d	d	d	d	d	d	d	d	d		

1951 Dr. W.C. died early in year, succeeded by son W.P. Henry.
 Inspected 7.3.56 m. Deeks. Gauge can leaks, measure tapered, site of slightly
 by gate posts
 1957. Part Nov. per est. by post.
 1959. Jan per est by 170345

40004 40004

* Grid amended - Retro.

* 721506

Position of Station on Ordnance One-Inch map : No. of Map 190 National Grid Reference 10/221506

Date.	Lat. N.	Long.	Railway Station.	Distance Direction from gauge	Parish Church.	Distance Direction from gauge
1951			St Agnes	1 m. N.E.	St Agnes	1/4 m. N.W.

Summary of Earlier Records from 10-year Sheets :

1916-1950, P - Rejected

Record D, or d	1910-19	1920-30	1931-40	1941-50	1951-60
	✓	✓	✓	42-50, p. 46	✓
	✓	✓ but - 20-24	✓		