

RAINFALL at *Isle of Man* *Baldwin Res.*County of _____ Observer *H. St. Bridge*River Basin _____ *Boro Sum.*

Rain Gauge, by _____

Diameter ...						8						
Height						8 1/2						
Altitude ...						480						
Year	1910 1900	1911 1901	1912 1902	1913 1903	1914 1904	1915 1905	1916 1906	1917 1907	1918 1908	1919 1909	MEANS.	
January ...						4.46	4.83	3.41	5.77	7.14	2115 23	41
February ...			179666			7.43	3.28	4.69	5.56	2.70	1623 17	96
March						2.47	2.75	2.69	2.76	4.51	1271 14	07
April						3.57	4.26	2.83	2.37	2.95	1241 13	74
May						1.78	5.39	2.87	3.33	2.95	1454 16	10
June		160957				1.10	4.11	2.48	3.11	2.42	1212 13	42
July						4.50	3.07	1.88	4.38	1.41	1074 11	89
August						2.06	4.27	7.45	3.13	3.93	1978 20	79
September...						2.27	2.36	3.87	8.25	4.11	1859 20	58
October						7.74	9.23	7.23	7.24	4.21	2791 30	40
November...						4.32	5.83	5.80	5.40	3.09	2012 22	27
December...						10.29	3.96	4.74	9.97	9.19	2786 30	84
TOTALS...						51.99	53.34	49.94	61.27	48.61	213 16	23597

1915-21 recorded 1.23, estimated 1.25.

1915. Sarraghin 1176' high 2 m to N.

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
1915.	54.13	4.31	Union Mills	5	S	Marown	54	W.

RAINFALL at ^{West} Baldwin Reservoir (OLD)County of Isle of Man Observer W. A. Bridge, Esq.River Basin _____ A. Northman, Esq. (27)Rain Gauge, by M. O. T. C. Greenfield

Diameter ...			8								
Height			0.5							10	
Altitude ...			480								
Year	1920	1921	1922	1923	1924	1925	1926	1927	1928	1929	1930 Means
January ...	5.54	6.13	7.58	4.39	7.49	3.47	7.31	4.39	10.20	3.77	7.15
February ...	2.00	1.16	5.61	6.89	1.45	5.65	5.93	3.32	4.11	2.72	.86
March	4.94	5.14	1.74	2.14	3.18	1.36	1.24	6.04	6.34	1.39	3.57
April	5.21	1.73	4.48	3.57	3.78	3.60	1.98	2.52	1.91	2.07	2.61
May	4.57	2.93	1.50	2.97	5.87	5.38	2.87	2.89	1.55	3.46	2.35
June	3.88	2.7	2.28	1.55	3.97	.25	2.42	4.39	6.18	2.08	2.78
July	4.93	4.35	4.66	3.44	6.47	2.97	3.33	3.90	4.42	3.78	4.29
August	4.67	6.06	3.70	8.56	5.78	3.36	3.99	5.70	6.51	6.26	6.64
September...	4.06	2.86	5.19	4.73	8.47	4.99	3.06	7.00	3.18	1.09	6.81
October	5.54	3.19	1.50	8.38	4.20	6.60	3.93	5.83	11.78	8.71	9.22
November...	4.35	6.54	5.58	4.48	5.23	3.30	6.92	7.31	9.07	10.07	7.16
December...	9.40	4.62	6.32	6.67	8.37	5.44	1.44	3.29	6.50	10.45	9.06
TOTALS...	59.09	44.98	50.14	57.79	64.26	46.36	44.42	56.58	71.75	55.85	62.50

1928-29. Recount 11.23. entered 71.75
 1928. Carraghin mountain 1176 ft. 62 1/2 in N.
 9/7/28 Inspected by W. G. G. see green file.
 1929. Feb. adjusted by other 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 from gauge	Parish Church.	Distance from gauge	Direction from gauge
1922	54° 13'	4° 31'	Union Mills	5	S.	Barrow	5 1/2	W.
1925			Crosey	2 1/2 m	SSW	St. Luke's	1/2 m	N.E.

RAINFALL at West Baldwin Reservoir (NEW)County of Isle of Man.Observer Alan Boothman CE.

River Basin _____

T. C. Granfield.

Rain Gauge, by _____

Diameter ...	<u>6.1</u>							<u>10.74</u>	<u>5</u>		
Height	<u>9</u>							<u>0.19</u>	<u>1</u>		
Altitude ...	<u>x 1100</u>								<u>470</u>		
Year	<u>1920</u> <u>1928</u>	1921	1922	1923	1924	1925	1926	<u>1920</u> <u>1927</u> <u>28</u>	1928	1929	<u>1930</u> <u>MEANS</u>
January ...	<u>5650</u>		<u>62</u>	<u>55</u>	<u>5455</u>	-		<u>6255</u>		<u>3.78</u>	<u>8.22</u>
February ...	<u>3612</u>		<u>39</u>	<u>98</u>	<u>484</u>			<u>3948</u>		<u>2.61</u>	<u>.89</u>
March	<u>3212</u>		<u>35</u>	<u>56</u>	<u>5884</u>			<u>3556</u>		<u>1.39</u>	<u>4.05</u>
April	<u>2878</u>		<u>31</u>	<u>86</u>				<u>3186</u>		<u>2.11</u>	<u>2.75</u>
May	<u>3053</u>		<u>33</u>	<u>78</u>				<u>3278</u>		<u>3.94</u>	<u>2.38</u>
June	<u>2519</u>		<u>27</u>	<u>89</u>	<u>88533</u>	-		<u>2789</u>		<u>2.23</u>	<u>2.82</u>
July	<u>3847</u>		<u>42</u>	<u>59</u>	<u>58662</u>			<u>4259</u>		<u>4.01</u>	<u>4.82</u>
August	<u>4830</u>		<u>53</u>	<u>47</u>				<u>5347</u>	<u>Imp.</u>	<u>6.52</u>	<u>6.84</u>
September...	<u>4254</u>		<u>48</u>	<u>20</u>				<u>4820</u>	<u>3.34</u>	<u>1.22</u>	<u>7.18</u>
October	<u>5095</u>		<u>56</u>	<u>40</u>				<u>5640</u>	<u>12.78</u>	<u>10.04</u>	<u>9.95</u>
November...	<u>5278</u>		<u>58</u>	<u>43</u>				<u>5843</u>	<u>10.58</u>	<u>11.09</u>	<u>7.65</u>
December...	<u>5205</u>		<u>57</u>	<u>62</u>				<u>5762</u>	<u>7.16</u>	<u>11.49</u>	<u>9.11</u>
TOTALS...	<u>49533</u>		<u>548</u>	<u>33</u>				<u>54821</u>	<u>Imp.</u>	<u>60.43</u>	<u>66.66</u>

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
<u>1929</u>			<u>Union Mills</u>			<u>Graddan.</u>		

RAINFALL at West Baldwin Reservoir (old gauge) No. 1

County of Salisbury Observer J. B. Greenfield, G.E.

River Basin.....

Type of Gauge Snowdon

Annual Average 5.1 in. based on 4 years obs. un-weighted. Period of average 1919-1922 Ref.....

814474/27

Diameter	8"										
Height	11' 0"						0	10			
Altitude	480'										
Year	1931	1932	1933	1934	1935	1936	1937	1938	1939	1940	Means
January	8.26	4.60	6.47	6.89		7.55	5.24	6.20	7.55	6.81	
February	4.09	1.5	4.79	3.8		4.54	7.92	2.27	4.92	3.66	
March	1.12	2.45	3.77	4.08		2.98	3.90	2.19	4.59	5.86	
April	2.42	4.01	2.35	3.17		1.81	4.27	3.6	3.07	5.38	
May	4.39	4.54	2.40	3.54		3.23	2.21	5.56	1.13	1.75	
June	5.99	2.86	2.50	3.01		3.64	3.84	6.79	2.75	1.43	
July	3.90	3.71	2.90	3.86		5.94	5.25	6.50	5.73	4.76	
August	6.18	3.39	1.73	5.17		3.60	2.37	2.64	1.80	1.41	
September	6.06	5.18	1.52	6.09		5.86	3.29	4.48	2.98	4.28	
October	3.49	8.67	5.25	7.77		3.51	5.05	9.42	4.68	5.79	
November	15.44	2.81	2.97	3.89		6.61	2.94	6.90	6.38	8.13	
December	4.37	8.08	3.02	13.74		5.65	6.70	5.53	4.32	6.92	
TOTALS	65.71	50.45	38.67	57.59		54.92	52.98	59.04	49.99	56.18	

1921. Nothing close, on side of hill.
1932. See num 42 of 8/14/27 "forecast" not the published, both records to be continued in the Baldwin City record.
1934. Retained as an overlap with No 4418. NP overexposed.
1936 n/v check g.
1937 n/v check g.
1938 n/v
1939 NP
Returns not required in 1940.
1940 NP check g.

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 West Baldwin Reservoir (new gauge)County of Isle of Man Observer J. B. Greenfield, C.E.

River Basin.....

Type of Gauge Standard

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

814474/17.

Diameter	5"										
Height	1' 0"										
Altitude	470'		475								
Year	1931	1932	1933	1934	1935	1936	1937	1938	1939	1940	Means
January	9.15	4.83	6.10	6.94	2.79	8.49	5.78	7.10	8.40	7.10	6667
February	4.62	.17	5.30	.38	6.99	6.00	9.63	2.59	5.77	3.95	4540
March	1.09	2.57	4.24	4.62	1.96	3.51	5.42	2.48	6.19	6.12	3820
April	2.72	4.37	2.43	3.70	4.92	2.09	5.15	.69	3.72	5.75	3554
May	4.51	5.78	2.54	3.94	1.78	3.76	2.49	5.79	1.37	1.92	3388
June	6.13	3.14	2.70	3.37	4.27	4.02	3.96	7.85	2.90	1.54	3988
July	4.03	4.14	3.24	.94	2.05	6.82	5.58	7.17	6.05	5.38	4536
August	1.05	2.93	1.89	5.64	1.64	4.05	2.50	2.79	1.87	1.62	3198
September	6.26	6.09	1.88	6.49	6.98	6.25	3.48	4.69	3.10	4.55	4977
October	3.97	9.87	6.21	9.28	7.63	4.16	6.52	10.70	5.06	6.09	6949
November	15.81	3.21	3.42	4.83	8.53	7.57	3.32	7.48	7.07	8.58	6982
December	4.91	8.67	2.21	15.24	6.81	6.87	7.44	6.05	4.76	7.63	7159
TOTALS	69.25	56.73	48.16	65.37	56.34	63.59	61.27	65.38	56.26	60.23	59758 KM

1931. Nothing close. on fairly level ground.

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

Station No. 4418RAINFALL at West Baldwin Reservoir

41

County of Isle of ManObserver J. C. Greenfield B.S. TRANSFERRED TO
I.O.M. W.B.A.

River Basin

NATED ENGINEER

Type of Gauge SnowdonAnnual Average 55.7 in. based on 55 years obs. un-weighted. Period of average Ref.File No. 814474/27

Diameter	5"				607	708						
Height	1' 0"					1						
Altitude	475					41						
Year	1941	1942	1943	1944	1945	1946	1947	1948	1949	1950	Means	
January	3.40	11.35	9.75	7.57	5.36	6.97	6.40	14.87	4.96	3.43	74.06	✓
February	6.01	3.54	4.09	2.91	6.23	5.23	1.44	2.93	2.80	6.80	4148	✓
March	4.36	5.48	1.15	1.52	2.50	2.69	9.33	3.83	5.00	5.36	4122	✓
April	4.63	3.49	3.21	3.10	3.57	1.28	5.18	2.87	4.27	5.28	3688	✓
May	5.01	4.90	5.07	2.88	4.09	1.73	4.59	3.64	1.30	1.77	3498	✓
June	0.62	0.69	3.83	3.10	4.01	5.32	5.94	6.19	0.73	2.08	3281	✗
July	2.83	3.88	3.13	3.95	3.41	3.12	3.84	3.91	4.60	3.72	3639	✓
August	4.18	6.76	8.43	3.68	1.91	7.08	0.26	7.77	4.38	7.90	5235	✓
September	3.43	5.04	5.19	8.87	4.36	8.67	4.24	5.51	3.61	12.60	6152	✗
October	7.29	9.40	6.77	9.33	4.60	0.90	1.56	6.13	8.27	6.03	6028	✗
November	3.42	2.08	4.19	10.50	0.48	11.18	8.50	4.97	6.82	5.81	5796	✗
December	3.61	7.99	3.40	5.55	6.77	7.60	4.33	6.55	6.28	5.11	5719	✗
TOTALS	48.79	64.60	58.21	62.96	47.29	61.77	55.61	69.17	53.02	65.39	586.82	10

1941 Gauge on fairly level ground - nothing close.

* Used in General Tables in italics. Orogen unknown.

1950. "Nothing close to gauge"

46.88

58682

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. 4218

RAINFALL at West Baldwin Reservoir

51

County of Isle of Man

Observer F.M. White R.
Water Engineer, Douglas

River Basin

Type of Gauge S. 31.0
Snowdon

Annual Average 55.7 in. based on years obs. un-weighted. Period of average Ref.

1916-1950 P. File No. 814474/27

Diameter ...	5"				607	708					
Height ...	1'0"					1					
Altitude ...	475'					51					
Year ...	1951	1952	1953	1954	1955	1956	1957	1958	1959	1960	Means
January ...	6.85	5.27	3.41	6.56	5.82	5.95	5.16	7.01	5.19	7.16	58.83
February ...	5.92	1.71	3.26	6.96	4.47	1.35	6.90	8.56	1.77	5.95	46.85
March ...	6.50	4.52	0.66	6.28	3.54	2.11	5.50	3.19	4.62	3.04	39.96
April ...	2.48	2.22	5.33	1.01	4.11	1.46	1.33	1.83	3.27	4.25	27.29
May ...	6.24	3.42	3.66	4.37	3.43	2.31	4.28	4.02	1.02	3.30	36.05
June ...	0.84	3.39	3.31	3.66	5.82	4.83	2.22	5.32	3.53	2.15	35.07
July ...	3.44	2.05	5.68	5.59	2.89	4.18	5.41	4.36	2.93	9.71	46.24
August ...	6.26	6.84	5.61	6.60	2.23	12.38	5.18	6.22	.63	3.53	54.48
September ...	6.53	6.87	7.29	7.47	4.16	5.43	10.11	6.46	1.87	5.47	61.66
October ...	1.29	7.87	6.57	10.89	4.90	4.56	7.01	4.12	6.90	7.88	61.94
November ...	10.43	4.83	7.91	11.06	4.27	2.63	5.28	4.78	8.97	10.98	71.14
December ...	9.55	5.98	3.96	10.20	8.29	5.85	5.51	8.61	12.52	6.51	76.98
TOTALS ...	66.28	54.97	56.65	79.65	53.93	53.04	63.89	64.48	53.17	69.93	615.99
	D	D	D	D	D	D	D	D	D	D	10

1950 Nothing done to gauge
July 1954 4.60 ft. If in course of gauge but 3" of earth raised it. Satisfactory exposure but
young trees & wsw will completely flat of tree now - very good bottom on shelter but as
much growth.

Position of Station on Ordnance One-Inch map : No. of Map 87 National Grid Reference SC 358831

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	1920-29	1930-39	1940-49	1950-59	1960-69
	As built with O.G. 1110.7°	1128 in. 1929-30 D	D	D	✓	