

RAINFALL AT Berriedale, Langwell

Lat. _____

Lon. _____

County of Caithness

Rain Gauge, by _____

Observer Mrs. W. Macpherson
(S.M.S.)

Berriedale - 1.

Diameter							6				
Height							1	0			
Altitude							150				
Year	1890	1891	1892	1893	1894	1895	1896	1897	1898	1899	MEANS.
January							2.70	.80	1.75	4.20	
February							1.00	2.50	5.20	1.60	
March							2.70	4.00	2.40	2.70	
April							1.90	.95	2.70	3.20	
May							1.00	2.20	2.75	2.30	
June							2.80	1.25	1.45	1.10	
July							4.70	1.50	.77	1.85	
August							1.90	2.52	2.30	.70	
September....							5.10	2.57	3.50	3.50	
October							4.60	3.37	2.30	2.11	
November....							1.80	2.35	4.30	1.80	
December							4.45	2.76	5.75	4.94	
TOTALS . . .							34.65	26.77	35.17	30.00	

1896-07 recd. 1909 from S.M.S. Ent. ix 09

RAINFALL AT Berrisdale, Langwell

Lat. _____

Lon. _____

 County of Caithness

Rain Gauge, by _____

 Observer Mr W. Macpherson
Berrisdale, etc - 1.
Mr G. King (or) (SMS)

Diameter ...	6										
Height	10										
Altitude ...	150										
Year ...	1900	1901	1902	1903	1904	1905	1906	1907	1908	1909	MEANS.
January ...	3.75	2.50	2.07	3.00	1.85	2.67	3.40	4.05	2.68	3.20	2.917
February ...	2.05	2.98	1.67	3.85	3.10	3.49	5.90	3.00	5.00	1.60	3.264
March	2.37	1.96	2.60	1.99	1.27	4.10	2.90	1.80	3.50	2.60	2.509
April	3.00	3.29	1.29	3.21	4.30	1.95	1.76	1.42	3.03	2.40	2.565
May	1.88	2.07	2.81	2.04	1.50	.85	5.00	1.80	2.55	2.10	2.260
June	2.40	3.47	1.58	.90	1.27	.53	.36	5.10	1.80	2.27	1.968
July	4.34	1.34	2.87	5.95	1.32	1.80	2.62	1.80	2.10	2.40	2.657
August	3.01	3.61	1.49	4.13	2.56	3.84	2.16	3.60	1.20	2.79	2.839
September ..	3.26	1.17	2.33	3.03	3.45	2.75	1.90	.77	6.32	1.89	2.687
October ...	3.12	3.69	2.69	5.77	2.66	4.92	3.07	2.60	1.11	4.56	3.419
November ..	3.69	2.77	.97	3.36	2.10	4.10	8.03	1.89	4.20	5.03	3.614
December ...	4.47	4.12	3.07	1.20	2.78	2.09	3.00	1.89	1.70	2.13	2.645
TOTALS ...	37.34	32.97	25.44	38.43	28.16	33.09	40.10	29.72	35.19	32.97	33.341

1908. Berrisdale Church 2 miles E.

Helmsdale Station 10 " S.

Trees 50 ft high 50 yards S

H.K.

RAINFALL at Berriedale, Langwell Gardens.County of Caithness Observer Mrs. M. MacKenzie
River Basin Berriedale, Dumbreath &c. 1. W. J. Murray. 1917.Snowdon Rain Gauge, by J. Lezies (Glasgow)

Diameter ...	6		5									
Height	10		16									
Altitude ...	150T		100T						150			
Year ...	1910	1911	1912	1913	1914	1915	1916	1917	1918	1919	MEANS.	
January ...	3.75	2.05	2.85	.96	3.13	3.59	5.20	4.92	5.21	2.63		
February ...	1.72	3.25	3.20	1.58	2.82	3.19	3.10	1.32	2.78	1.40		
March	1.99	2.10	2.44	3.99	3.64	2.31	3.29	2.48	1.62	2.84		
April	5.25	2.55	2.98	1.90	.81	3.00	2.41	2.64	1.39	3.08		
May	2.35	1.80	3.88	2.41	3.04	.95	3.28	1.11	.99	.50		
June .....	.75	1.85	2.16	2.70	.79	.91	3.70	4.57	1.92	.84		
July	3.75	2.65	2.24	.65	3.56	3.12	2.13	1.04	6.66	.30		
August	4.65	2.20	6.74	1.02	2.35	1.27	1.78	3.96	4.02	4.24		
September ..	.80	2.05	1.58	2.82	2.13	5.58	1.87	3.09	4.88	4.22		
October ...	1.90	2.60	3.08	2.26	2.91	2.15	5.49	6.76	1.69	3.35		
November ...	9.05	5.00	5.13	4.63	5.05	5.02	3.06	5.38	3.44	5.05		
December ...	3.60	4.65	4.54	5.46	4.89	5.56	3.38	2.49	3.27	4.92		
TOTALS ...	39.56	32.75	40.82	30.35	35.12	36.65	38.69	39.76	37.87	33.37		

D D D D

1913 Trees to top of hill 140 ft S
 1911 Col. H. McIlhenny says this record is quite worthless

Date.	Lat. N.	Long.	Railway Station.	Distance.	Direction.	Church.	Distance.	Direction.
1911			Helmisdale	10	SW.	Berriedale.	2	NE

RAINFALL at *Berriedale, Langwell Gardens*County of *Cairnrow* Observer *Mr J. Murray (Glasgow)*River Basin *Berriedale, Dunkeld G. 1. Duke of Portland (1929)*

Rain Gauge, by _____

Diameter ...		5										
Height		1	6									
Altitude ...		150										
Year	1920	1921	1922	1923	1924	1925	1926	1927	1928	1929	1930 1931	
January ...		1.81	2.56							1.46	1.99	
February ...		65	2.06							(1.18)	1.85	
March		1.87	1.15							(1.00)	2.08	
April		(1.00)	1.98							3.05	2.26	
May		(2.50)	(1.67)							2.37	1.94	
June		(1.10)	(1.58)							.15	1.58	
July		3.00	(2.63)							3.10	1.51	
August		3.23	1.27						3.00	4.49	5.69	
September...		2.78	(2.52)						2.22	4.84	3.74	
October		3.34	(1.55)						2.64	6.13	4.35	
November...		2.01	2.48						4.85	2.44	6.30	
December...		4.32	(2.37)						1.49	4.45	1.90	
TOTALS...		(27.61)	(23.82)						Imp.	34.66	34.69	

1921. Apr-June estd.

1922. Not printed. May, June, July, Sept, Oct. & Dec. estd.

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
1929.			Helmsdale	6 $\frac{3}{4}$ m.	S.W.	Berriedale	$\frac{1}{2}$ m.	N.E.

RAINFALL at Berrisdale (Langwee.)

County of Caithness Observer Duke of Portland.

River Basin 1-Berrisdale, Dunbar & c.

Type of Gauge.....

Annual Average 33.8 in. based on 26 years obs. ~~wt~~-weighted. Period of average 1881-1915 Ref. S

Diameter	5											
Height	1.6											
Altitude	150											
Year	1881	1882	1883	1884	1885	1886	1887	1888	1889	1890	Means	
January	3.75	3.98	1.71	2.16	2.55	4.34	3.98	3.64	4.72	1.20		
February	2.92	.52	3.60	1.96	2.64	2.70	4.24	1.63	1.34	.66		
March	1.21	2.80	2.04	3.49	2.23	1.30	2.97	1.15	1.53	1.23		
April	2.43	4.45	1.67	5.30	3.44	1.54	.77	.77	1.40	3.14		
May	2.74	3.50	1.30	1.94	1.80	1.97	.86	2.00	.75	1.15		
June	3.82	.32	1.95	1.14	3.33	1.17	2.96	3.23	1.15	1.02		
July	3.79	3.01	3.03	3.58	1.60	4.56	2.20	4.90	4.52	3.50		
August	2.82	2.00	2.19	4.95	2.53	1.50?	3.46	2.66	2.95	2.07		
September .....	.53	2.65	1.37	2.75	5.30	2.12?	1.45	2.99	2.18	2.28		
October	2.59	4.82	4.17	5.75	5.96	3.46	2.11	4.09	1.48	2.17		
November	2.28	2.58	2.59	1.95	3.92	1.94?	1.51	2.55	3.03	6.10		
December	2.12	2.33	1.04	2.47	2.37	2.91	2.23	2.20	2.49	2.47		
TOTALS	31.00	32.96	26.66	37.44	37.67	29.81?	28.74	31.81	27.87	26.99		

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.

5807

RAINFALL at

Benildale (Langwell)

41

County of

Caithness

Observer

Duke of Portland

River Basin

1-Benildale, Dunbeath, C.

Type of Gauge

Annual Average 22.8 in. based on 26 years obs. unweighted. Period of average 1881-1915 Ref. S

File No.

Diameter	5"				472	398					
Height	1'6"					1					
Altitude	150'	230'				41					
Year	1941	1942	1943	1944	1945	1946	1947	1948	1949	1950	Means
January	2.27	3.41	2.13	3.85	5.10	1.12	2.02	2.51	(3.35)	2.38	
February	3.40	2.09	3.27	1.10	2.16	4.80	1.35	2.97	1.75	1.82	
March	1.84	1.79	1.50	2.11	1.35	1.78	1.74	1.02	1.87	1.28	
April	1.26	1.15	2.74	2.05	1.97	1.15	2.25	2.47	1.86	3.02	
May	1.52	3.44	2.31	2.55	2.85	1.94	1.78	2.71	1.81	1.28	
June	0.66	1.31	1.65	2.74	2.23	2.50	1.81	1.93	1.32	1.65	
July	2.04	4.05	2.97	3.11	2.24	3.42	1.84	2.04	1.48	2.33	
August	(4.31)	2.66	3.83	1.74	2.30	1.33	0.11	3.44	3.10	2.17	
September	0.94	3.77	4.33	3.39	2.93	3.15	4.54	2.18	2.90	5.48	
October	4.35	4.60	2.51	4.55	3.42	0.41	1.83	4.10	1.80	1.45	
November	3.15	1.18	5.25	4.26	0.76	4.37	2.48	2.66	2.47	3.42	
December	2.73	4.08	1.75	3.31	5.54	1.53	2.79	2.39	3.16	2.52	
TOTALS	28.47	33.53	34.24	34.76	32.85	27.50	24.54	30.42	26.87	28.80	
							(M)	(M)	(M)	(M)	

1941 Aug. cond. by tel. to nearby Stn.
 1947 Nov. being low, but obs. refused to alter. M.O. Stn.
 1949 Jan. adj. M.O.

40004

1950 M. Plan. Letter 15/1/51 re test of gauge & exposure

00204

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. 5807

RAINFALL at Berrisdale (Langwell)

51

County of LeithnessObserver The Duke of PortlandRiver Basin 1. Berrisdale, Dunbeath & CType of Gauge T.O. no. 100 (no number)Annual Average 33.8 in. based on 26 years obs. ~~un~~ weighted. Period of average 1881-1915 Ref. S

File No.

Diameter ...	5"					472	398				
Height ...	1' 6"				1' 0"		1				
Altitude ...	156				on map 230		51				
Year ...	1951	1952	1953	1954	1955	1956	1957	1958	1959	1960	Means
January ...	(2.47)	2.60	2.87	1.80	3.30	1.03	3.65	3.12	(6.88)	4.30	
February ...	2.85	1.45	1.88	2.10	3.60	0.53	1.25	3.25	0.65	(3.64)	
March ...	2.92	(2.68)	1.35	2.35	1.59	1.81	3.42	2.16	1.78	1.25	
April ...	1.37	(.90)	2.55	1.30	1.60	2.48	1.38	2.10	1.97	2.54	
May ...	0.85	2.50	2.52	3.50	3.87	1.48	1.33	3.41	1.15	1.25	
June ...	1.04	2.50	1.94	3.12	1.33	2.19	2.91	1.48	1.57	1.72	
July ...	1.62	1.15	2.85	2.86	0.37	5.87	5.75	2.50	2.95	1.62	
August ...	2.70	4.20	2.72	1.98	0.63	3.70	4.50	1.80	1.38	5.45	
September ...	1.48	2.62	2.30	3.30	2.12	2.58	4.17	1.73	1.09	2.50	
October ...	2.21	2.98	1.05	5.18	3.90	3.29	1.65	3.55	5.06	3.84	
November ...	4.71	5.02	2.66	4.33	2.40	2.41	2.45	1.48	6.89	2.35	
December ...	2.74	3.02	2.64	3.02	2.36	2.67	3.34	2.68	1.60	2.32	
TOTALS ...	26.96	31.52	27.36	34.84	26.97	30.04	35.70	29.26	31.97	32.78	
	n.p.	M				n.p.	M	n	M.	M.	

1951 Jan. 14 for snow n.p. low

4000 + 2000 +

Imp. 5.55 - 1" (norm. 3.2 mm. 1/2 in. well in garden 3 ft. from N.E. of greenhouse. Shaded 5.15 in. bushes to SE, 5.45 in. Port (S.W.) 2.3, 1 1/2 S. Current 0.5, 0.8 S.E. Jan 28° SE, 30° SE, 30° S.W.

Waste claim in auxiliary garden 1/2 mile N.E. - Stone by the 5', 6" S.W. Raspberries to N.E., Wood-pile NW. will be moved. Tree to NW. will be topped to give 12° ground level with ground slope to S. Turnip to move 3 ft. since 160 years old will read record of 7' low

1945. Shrovetide 26.5. 66.

1960 Feb. part cut by. n.p. e.

ND (39) 103224

Position of Station on Ordnance One-Inch map :

No. of Map.....

National Grid Reference.....

Date.	Lat. N.	Long.	Railway Station.	Distance Direction from gauge	Parish Church.	Distance Direction from gauge.
	4000+	1400+	Berrisdale	11 m.		

Summary of Earlier Records from 10-year Sheets :

Sub

Record D, or d	1910-19	1920-30	1931-40	1941-50	1951-60
		C 1921 P. 1922 12C imp 1928	✓	1941-46 ✓ 1947-49 M 1950 NP	