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THE PRECIPITATION OF DOMINICA

BRITISH WEST INDIES

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The author wishes to thank the Supt. of Agriculture at Roseau, Dominica, for the Annual Rainfall Reports of Dominica, 1913 to 1926, and Mr. C. F. Talman, of the United States Weather Bureau, Library, Washington, D.C., for the loan of publications pertaining to the climate of Dominica, West Indies.

John R. Theaman,

DOMINICA

::- General Description -::

The island of Dominica forms one of the group of Lesser Antilles in the British colony of the Leeward Islands of the West Indies; it is situated between latitude 15° 20' and 15° 45' North and longitude 61° 13' and 61° 30' West, and measures about 29 miles in lenght, and 16 miles in breadth, and contains about 305 square miles.

The island is throughout very mountainous, and but a short distance from the shore the land rises in many instances to altitudes of over 1,000 feet above sea level. There are many peaks over 3,000 feet, the highest of all being Morne Diablotin, 4,747 feet.

--- THE PRECIPITATION ---

The island of Dominica receives an abundant rainfall. Compared with other islands of the West Indies, it is wetter in general than any other island. There is such a superabundance of rain, that it deprives the climate of the island of much of its charm. The leeward, or west coast has the least amount of rainfall, averaging from 70 to over 100 inches per annum. These amounts are considerable less than on the east coast, yet they are by far heavier than recorded on the windward sides of many islands in the West Indies.
The entire area of the east coast, and that portion of the interior coming under the influence of these winds, with but a few exceptions have an exceedingly heavy rainfall, averaging well over 100 inches. At three (3) stations within the interior, in which the topographical surroundings are such as to augment the excess of rainfall, we find means covering a period of 5 years where the rainfall is remarkable heavy.

At Lakeside, there is an average mean rainfall of 336.03 inches; at Gleau Manioc, 271.93 inches and at Corlet, 206.23 inches. So far as known these rainfalls are the heaviest for the island, and without a doubt the heaviest for any particular location in any of the West Indie islands. The mean average rainfall from 30 scattered stations on the island shows a very marked distribution of precipitation, when we consider that the total area of the island covers only 16 by 29 miles. At Batalie, on the leeward coast, the normal annual rainfall is only 48.29 inches, compared along side of 336.03 inches recorded at Lakeside on the opposite side.

°° VARIATION OF THE RAINFALL °°

As in other islands of the West Indie group, Dominica is subject to a marked variation in the precipitation from year to year. The variability of rainfall in Dominica is by far more greater than on most of the other islands. An example of this is taken from the records at Shawford Estate, located in the southern portion of the island. In 1885 this station measured 135.80 inches, and in 1924, 281.90 inches. Such marked differences in the yearly rainfall are quite common at all stations in Dominica. At Rosalie, the range in the annual rainfall, is even greater than at Shawford Estate. In 1889, which was an exceptional dry year, this station only recorded 60.79 inches, while in 1896, the year of the maximum amount, as much as 202.07 inches fell. The normal annual average for Rosalie is 135.07 inches.

—— THE TRADE WINDS —— (a)

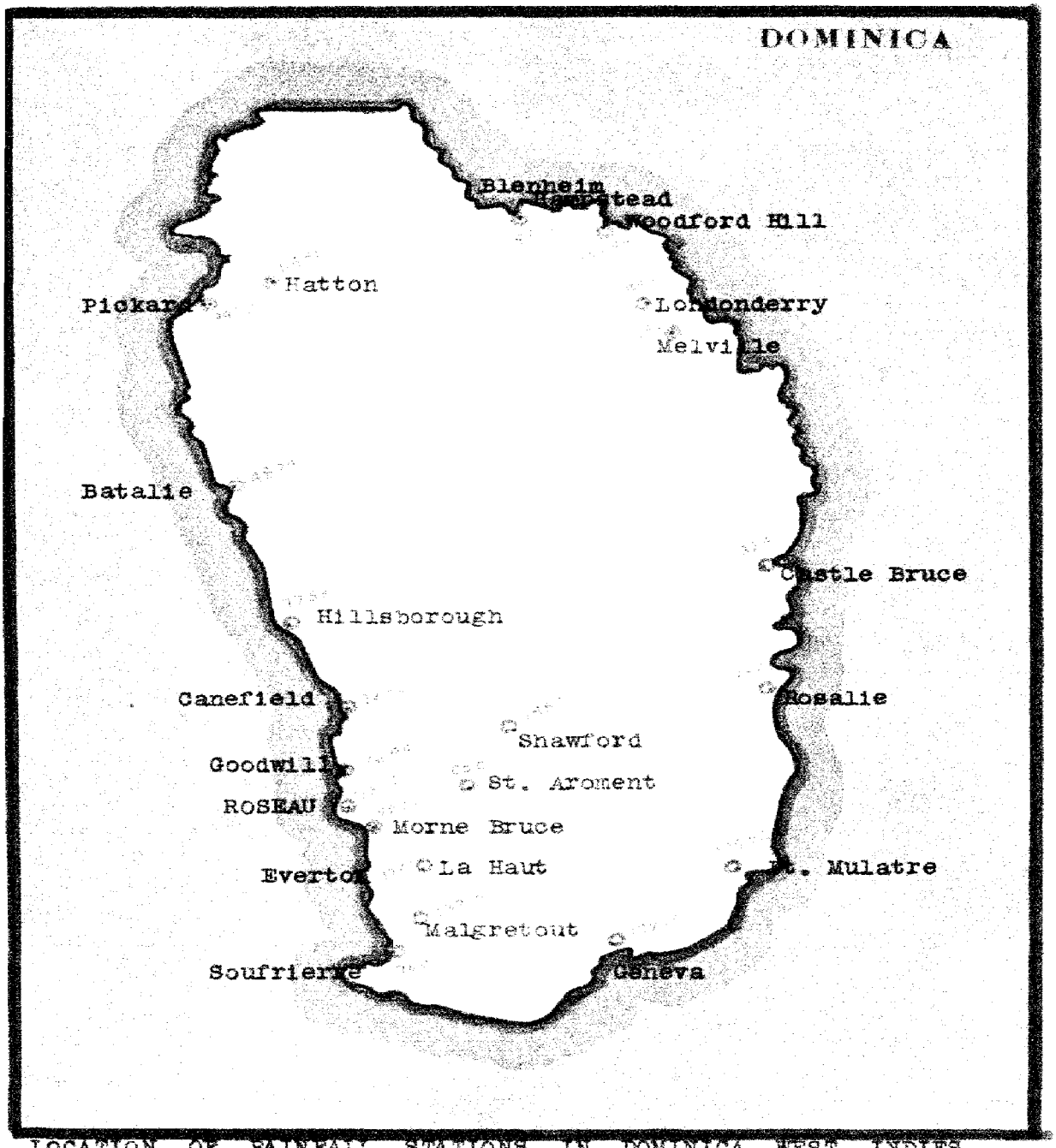
The Atlantic Trades are the prevailing winds, there being but little variation in the direction of the air currents. Such variations as there may be, occurs for the most part at the periods when the sun

approaches the zenith. Then occasionally light breezes set in from the Caribbean Sea, warm and vapor-lading, raising rather the temperature somewhat, and having a more relaxing, depressing effect on the leeward coast than the Atlantic breezes have on the windward side of the island In fact, it may be said that the sea-breezes on the windward coast is bracing and invigorating, while the corresponding breeze on the leeward side is extremely enervating, but it does not extend over any considerable period. While the trade winds bring so much rain to the windward coast, it has the effect, after being deprived of much of its moisture from contact with the numerous high peaks and mountain ranges, of descending upon the leeward coast from a height of from 3,000 to 5,000 feet, in the form of a cool, comparatively dry-breeze, lowering the temperature to a point seldom known at sea-level within the tropics, and rendering the neighborhood more highly favoured in this respect than most of the islands in the group.

: THE PRECIPITATION TABLES OF DOMINICA :

The most characteristic feature of the rainfall of Dominica is the large variation in the amounts from year to year, and the large variation in the monthly totals from one corresponding month to another. Thus the rainfall at any station is liable to be as much as 20 inches in any one month, while the same month of any other year, has as little as 1.50 inches. The rainfall data covering the monthly and annual amounts for stations on the island, average about 14 years, with the exception of one or two stations. The data compiled are from the period of 1913 to 1926. Thus the mean rainfall tables presented herewith are uniform, as far as the period of observations are concerned. Due to the fact that the rainfall at nearly all stations in Dominica, are subject to such large variations, in both monthly and annual amounts the means as compiled from the records of 14 years are hardly sufficient in establishing any definate averages. Rainfall records covering at least 25 to 30 years would probably show a marked difference in the means, than those presented here; this being especially true, where the characteristic of rainfall is such, as recorded in Dominica.

Longer records of rainfall observation are on file from about 1896 to 1926 in Dominica, but the author had access to those covering the period of 1913 to 1926 only; with a few earlier records from a few stations taken from C.V. Bellamy, Quarterly Journal Royal Meteorological Society for October, 1897, & January, 1903.



LOCATION OF RAINFALL STATIONS IN DOMINICA, WEST INDIES.
With mean annual precipitation in inches

:::::: MONTHLY AND ANNUAL PRECIPITATION MEANS FOR RAINFALL STATIONS IN DOMINICA, BRITISH WEST INDIES ********** (INCHES)

STATIONS	YRS	JAN	FEB	MAR	APR	MAY	JUN.	JUL	AUG	SEP.	OCT.	NOV.	DEC.	YEAR
MPSTEAD.....	13	5.76	4.84	4.17	6.54	6.14	7.24	8.77	10.13	9.44	10.10	9.82	6.21	89.16
STLE BRUCE.....	14	6.97	6.41	5.47	7.45	8.31	9.97	10.53	14.07	13.75	20.01	19.35	10.14	132.42
NDENDERRY.....	11	4.94	4.63	4.57	6.89	7.10	6.76	9.30	9.61	11.20	12.43	11.25	6.68	95.36
KESIDE.....	5½	26.94	24.84	22.65	21.77	19.09	25.36	37.10	32.67	31.95	35.93	31.17	26.56	336.03
AWFORD.....	14	14.53	8.70	8.53	7.61	9.24	16.58	26.26	23.55	18.32	19.32	18.09	14.98	185.71
SALIE.....	14	6.70	7.20	5.67	9.78	9.59	10.52	11.95	12.81	13.51	19.53	19.08	8.73	135.07
E. MULATRE.....	14	6.51	4.72	4.79	7.16	8.00	8.38	9.91	11.73	12.40	14.83	12.73	8.36	109.52
ENHEIM.....	14	7.49	5.54	4.92	7.91	8.27	9.25	12.53	12.94	10.84	12.54	11.62	9.68	113.53
LLEVUE.....	14	11.62	9.19	8.52	9.70	10.43	13.07	17.42	17.58	16.03	17.65	16.28	13.06	160.54
ERTON.....	14	7.48	4.56	4.42	4.25	5.37	9.01	14.70	13.97	11.40	12.32	10.08	7.82	105.38
VERNOR.....	14	7.75	7.51	6.88	10.09	10.01	11.71	12.95	13.98	13.99	16.61	16.81	10.30	138.59
UG CORNER.....	10	7.27	8.11	7.91	5.96	7.07	10.11	17.46	11.84	12.69	12.43	9.67	9.61	120.31
LVILLE.....	14	6.11	5.30	4.81	7.66	10.84	8.05	9.05	10.03	12.14	12.39	15.44	9.53	111.86
EVA ESTATE.....	5	8.55	6.51	6.94	7.48	14.01	9.70	12.25	11.57	16.14	14.17	13.59	9.73	130.64
LET.....	5	15.61	9.18	11.41	15.14	12.21	18.56	21.91	22.79	21.67	19.42	19.77	18.57	206.23
DFORD HILL.....	16	7.58	4.40	3.08	6.19	9.40	10.14	9.63	9.86	9.80	11.53	10.98	9.36	103.44
NE BRUCE.....	14	6.67	3.41	3.73	3.29	3.31	6.48	11.65	11.70	8.49	9.42	7.36	6.53	82.04
KARD.....	14	8.74	4.51	4.78	5.66	3.90	6.90	12.28	11.85	8.71	8.20	7.36	6.90	89.79
DWILL.....	14	5.82	3.32	3.58	3.30	2.93	6.11	11.29	11.88	7.85	8.52	6.50	5.88	76.98
LSBOROUGH.....	14	5.27	3.43	3.10	3.28	3.19	6.76	11.92	12.49	8.31	7.81	5.86	6.11	77.53
EFIELD.....	14	4.93	2.90	2.64	2.87	3.10	6.47	11.43	11.99	8.50	8.09	5.96	5.04	73.92
ALIE.....	14	2.50	1.56	1.20	2.09	1.35	3.68	7.40	8.64	6.75	5.60	4.01	3.51	48.29
FRIERRE.....	11	4.30	4.04	2.59	3.74	4.25	5.94	9.38	11.07	8.57	9.68	7.33	5.17	76.06
RE PARK.....	14	7.30	5.27	4.99	7.10	6.63	8.49	10.52	13.20	10.81	12.20	10.36	9.01	105.88
AROMENT.....	20	8.74	4.58	4.13	3.80	6.03	12.17	14.40	12.24	10.90	9.90	10.79	7.35	105.03
EAU.(Botanic C.).....	26	4.94	3.16	2.97	2.88	3.39	7.26	10.41	10.41	8.23	7.85	5.77	5.83	73.10
GRETOUT.....	5	7.17	6.38	5.91	6.39	14.16	13.79	13.43	11.72	16.48	12.25	15.00	10.49	133.17
HAUT.....	12	5.42	3.91	4.64	4.67	6.47	9.52	13.00	11.47	10.47	10.34	9.41	8.10	97.41
TON GARDEN.....	11	6.97	5.26	6.03	8.70	10.73	9.70	9.56	10.89	11.45	12.73	15.69	7.14	114.85

**** LIST OF RAINFALL STATIONS IN DOMINICA, B.W.I.,

LENGHT OF RECORD YEARS, WITH AUTHORITIES

ST. AROMENT.....	20	.....	1876 - 1895	(B)	
WOODFORD HILL.....	16	.....	1880 - 1895	(B)	
ROSEAU.....	26	.....	1900 - 1926	(A)	
GENEVA ESTATE.....	14	.....	1883 - 1892	(B)	
" "	5	.....	1893 - 1897	(B)	see foot note
HATTON GARDEN.....	11	.....	1894 - 1897	(B)	
" "		.....	1913 - 1919	(A)	
MELVILLE.....	14	.....	1893-1897 & 1913-1921	(A) (B)	
LA HAUT.....	12½	....	1895-1897 & 1913-1923	(A) (B)	
MALGRETOUT.....	5	.....	1893 -1897	(B)	
GLEAU MANIOC.....	6	.....	1913 -1920	(A)	Br. Records
BATALIE.....	14	.....	1913 - 1926	(A)	
BELEVUE.....	14	.....	" "	"	
BLENHEIM.....	14	.....	" "	"	
CORLET.....	5	.....	" 1917	"	
CANEFIELD.....	14	.....	" 1926	"	
CASTLE BRUCE.....	14	.....	" "	"	
EVERTON.....	14	.....	" "	"	
GOODWILL.....	14	.....	" "	"	
GOVERNOR.....	14	.....	" "	"	
HAMPSTEAD.....	13	.....	" "	"	(1924 missing)
HILLSBOROUGH.....	14	.....	" "	"	
LONDENDERRY.....	11	.....	" 1923	"	
LAKESIDE.....	5½	.....	1919 1924	"	
MOORE PARK.....	14	.....	1913 1926	"	
MORNE BRUCE.....	14	.....	" "	"	
PICKARD.....	14	.....	" "	"	
PTE. MULATRE.....	14	.....	" "	"	
ROSALIE.....	14	.....	" "	"	
SHAWFORD.....	14	.....	" "	"	
SNUG CORNER.....	10	.....	" 1922	"	
SOUFRIERRE.....	11	.....	" 1926	"	3 yrs missing

At Geneva, the mean annual precipitation covers 14 years. The monthly mean precipitation covers only 5 years, taken from Dominica Rainfall Returns Quarterly Journal of the Royal Meteorological Society, October, 1897.

(A) signifies data compiled from "Monthly & Annual rainfall returns for Dominica, 1913 - 1926.

(B) signifies data from "Quarterly Journal of the Royal Meteorological Society, October, 1897.

All records except those signified by (B) were compiled by J.R.Theaman, from annual reports.

ooooooooooooo PRECIPITATION DATA, DOMINICA ooooooooooooo

The Annual Precipitation at SHAWFORD ESTATE, DOMINICA, from 1875 to 1897 and from 1913 to 1926.

1875	176.24
1876	167.06
1877	163.45
1878	146.77
1879	205.60
1880	214.64
1881	187.44
1882	159.04
1883	222.05
1884	168.54
1885	135.80
1886	208.19
1887	164.36
1888	193.60
1889	229.58
1890	179.97
1891	189.45
1892	166.91
1893	209.72
1894	149.86
1895	234.67
1896	190.80
1897	181.46
.....	
1913	158.49
1914	141.05
1915	159.95
1916	180.35
1917	179.71
1918	167.93
1919	173.07
1920	177.73
1921	168.02
1922	196.42
1923	166.50
1924	281.90
1925	188.62
1926	260.40
Most Annual	281.90
Least Annual	135.80

Data from 1875 to 1897 Quarterly Journal Royal Met. Society, Oct. 1897.

from 1913 to 1926 from Dominican Rainfall Returns. (Annual Reports)

The annual precipitation at ROSALIE, DOMINICA, from 1889 to 1897 & 1913 to 1926.

1889	60.79
1890	127.73
1891	156.16
1892	151.35
1893	165.47
1894	111.03
1895	168.22
1896	202.07
1897	180.60
.....	
1913	145.75
1914	155.39
1915	163.87
1916	167.13
1917	126.07
1918	140.99
1919	154.50
1920	117.05
1921	122.37
1922	119.88
1923	87.09
1924	123.34
1925	150.05
1926	124.69

Precipitation at LAKESIDE from 1920 to 1925.

1920	356.86
1921	360.60
1922	359.10
1923	249.80
1924	339.37
Mean	336.03

Compiled from "Dominica Rainfall Returns from 1920 to end of 1924.

THE RECORD RAINFALL IN DOMINICA, RECORDED IN NOVEMBER, 1896 ...

month of November, 1896, produced a phenomenal rainfall over the island of Dominica. This incident deserves to be recorded in the annals the island; for the flood accompanying this fall caused terrible havoc many of the estates on the windward coast.

— MONTHLY RAINFALL FOR 21 STATIONS ON THE ISLAND OF DOMINICA —

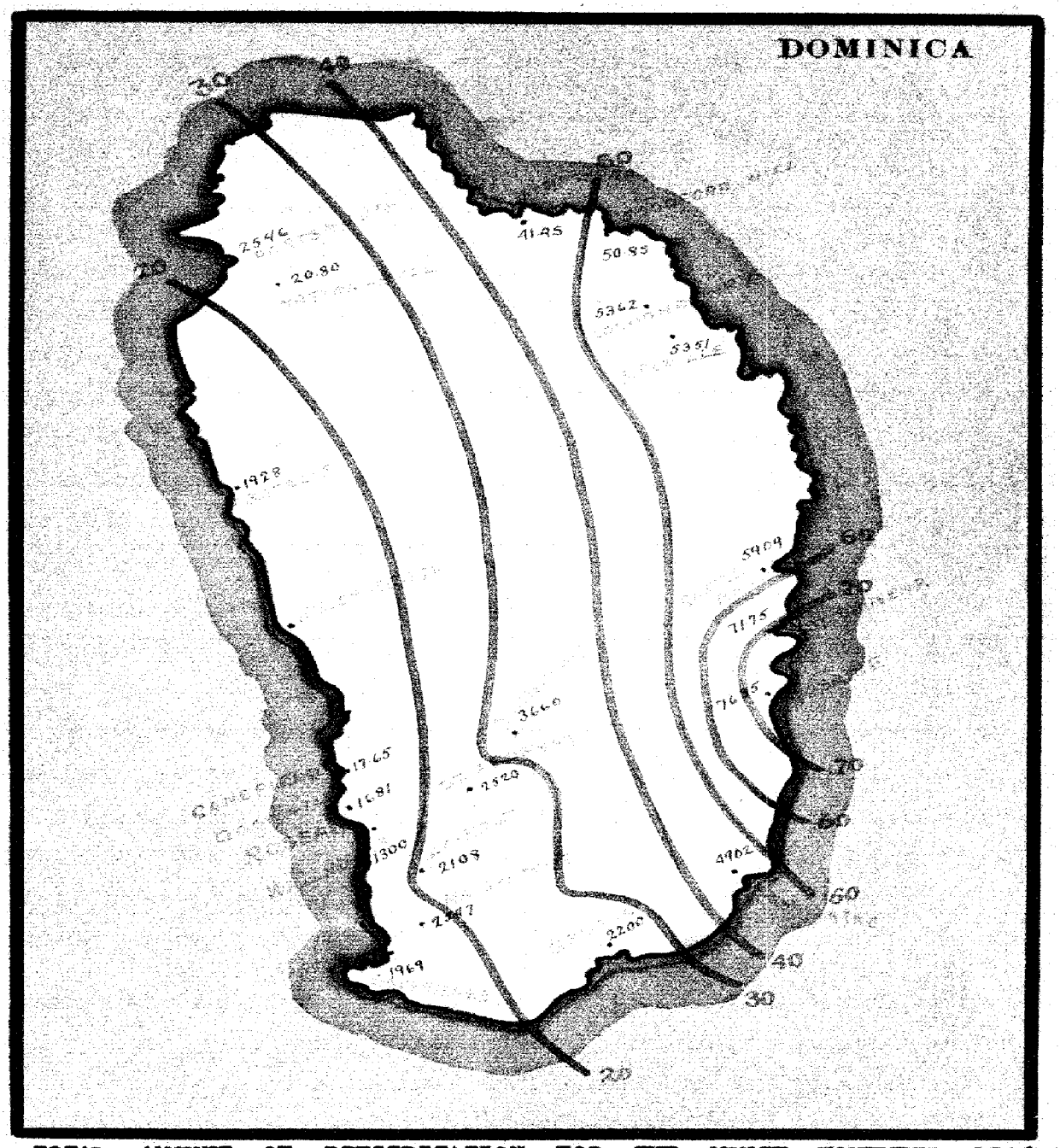
Batalie	19.28	Bath	19.29
Roseau	16.81	Castle Bruce	59.09
Geneva Estate	22.00	Goodwill	17.65
Hampstead	41.45	Hatton Hall	20.80
La Haut	21.08	Londenderry	53.62
Malgretout	25.47	Melville Hall	53.51
Pt. Mulatre	49.02	Portsmouth	25.46
Rosalie	76.85	St. Aroment	25.20
St. Sauveur	71.75	Shawford	36.60
Soufrierre	19.69	Wall House	13.00
Woodford Hill	50.85		

note accompanying this heavy rainfall it is stated that at ——— burton Estate, for the month (November, 1896) 36.04 inches of rain curred.

> On the morning of Sunday, November, 29th, at 9:00 a.m. a fall of 20.13 inches was recorded as having fallen since 9:00 a.m. on the previous day. ——— the weather during the greater part of Saturday, the 28th, is decribed as showery, only a light rain and nothing extraordinary have fallen up to about 10:00 p.m. — at this hour the deluge appears to have commenced, but the heaviest of the rains had ceased by 4:00 o'clock in the morning, only comparatively light rain having fallen after that hour.
>
> "it may be asumed, therefore, that the downpour was confined to 6 or 8 hours at the outside.

Authority:

C.V. Bellamy - Quarterly Journal
Royal Meteorological Society.
Vol. XXIX January, 1903.



TOTAL AMOUNT OF PRECIPITATION, FOR THE MONTH, NOVEMBER, 1896

** THE PRECIPITATION AT LAKESIDE **
BRITISH DOMINICA

NOTE: An endeavour has been made in the foregoing remarks to convey some idea of the exceptional circumstances in which the rainfall station of Lakeside, Dominica, is placed as compared with other places of heavy rainfall in the Western Hemisphere.

mount of rainfall observed at the Lakeside station, is indeed phe-
al considering from a standpoint that the annual amounts received
is station, exceed those within the region of the maximum belt by
than 100 inches. Rainfall records available at this station cov-
period of 65 months, from August, 1919, to the end of December,

At this station the mean annual rainfall for 5½ years amounts
.03 inches. Heavy rainfall occurs in every month of the year;
ttest month is July with an average of 37.10 inches, and May the
, with an average of 19.09 inches. More than 10 inches of
as fallen in 61 out of the 65 months, the exceptions being March
(4.42 inches) May, 1923, (7.08 inches) and April, 1920, (5.28 in-
. On the other hand, there has been 23 months with more than 30
s of rain; five months with more than 40 inches, while one month
ore than 50 inches. The driest month was March, 1924, with only
inches, and the wettest month February, 1920, with 51.12 inches. (A)
arset approach to the Lakeside record is at Corlet, with an an-
average of 206.23 inches. (B)

ther rainfall records available in the West Indies, the enormous
rainfall at Lakeside is unparalelled. Not only has this station
tinction of being one of the wettest spots in the Western Hemis-
, but rivals the records of other notable wet spots in the world.

in recent years has the observation of rainfall been extended in
us places in the Western Hemisphere, where heretofore but few rec-
were available. With the installation of new stations, scatter-
rom the Arctics to the Tropics, there are quite a few interesting
all records. Comparing the Lakeside records with other damp
in Alaska, Canada, Central America, Colombia S.A. and Jamaica,
nd that its immense rainfall tops all others.
oastal regions of Alaska and British Columbia, have the distinct-
f being the wettest places in North America. - Jumbo Mine, Alaska,
nsidered the dampest spot for any Alaskan station, with a mean an-
rainfall of 195.46 inches. (C)
ritish Columbia, from the records of several stations, we find three
ons in particular with an exceedingly heavy rainfall — Henderson
(D) has a mean yearly rainfall of 256.99 inches. So far as known
is the wettest place in North America. The next highest measur-
is attained at Swanson Bay, with a mean annual of 202.91 inches
Next in order, the station of Surf Inlet, ranks as the third wet-
place in the province with an annual average of 189.83 inches. (F)

bly the wettest spot in Central America, is at Greytown,(Bocas del
) Nicaragua, on the Atlantic side. From the records of 6½ years,
station has a mean annual rainfall of 254.91 inches. (G).

continue southward, and take into consideration the recent records
everal stations in Colombia Republic, S.A., situated on the Pacific
, we find another region of extreme heavy rainfall. At Buena-
, a mean yearly rainfall of 330.73 inches is recorded. This rec-
is closely followed by the means of Buenaventura, with an average
0.65 inches, while at the station Andagoya, 279.11 inches is the
l mean. Longer records, with additional stations, will probably

more lighter or heavier rainfall, than presented in the shorter
s. (H).

g back to the West Indies again, we must not overlook the remark-
eavy rainfall at Moore Town, Jamaica. This station has a mean
rainfall of 221.98 inches, the heaviest recorded for the island.

he installation of new stations, where no records are now avail-
and where the lenght of the present observations cover a longer
of time, a more definate guide to the precipitation will be av-
le.

the next 25 years there should be an abundant amount of data
ing the rainfall observations in all portions of the Western Hem-
re.

then, we shall consider the remarkable rainfall at Lakeside, Dom-
, as the wettest place in the Western Hemisphere.

oooooooooooooooooo A U T H O R I T I E S oooooooooooooooooo

- Dominican Rainfall Returns, 1919 - 1924. compiled from records.
- " " " 1913 - 1917 " " "
- Annual Climatological Summaries, Alaska Section, 1915 - 1919 compiled from annual reports.
- Canadian Monthly Weather Reviews, 1923 - 1926, compiled from same
- " " " " 1907 - 1926 (broken records)
- " " " " 1917 - 1926, compiled from same
- Monthly Weather Review, March, 1923: Climatological data for Central America, W.W. Reed, (Greytown, 1890 - 1900, 6½ years.)
- Monthly Weather Review, September, 1926: Climatological data for (Andagoya) Republic of Colombia, S.A. (includes data for Buena Vista and Buenaventura.)
- The Rainfall of Jamaica, from about 1870 to 1919, by Maxwell Hall, Moore Town, records, 1896 - 1919. (24 years).

John R. Theaman,

— Mean Monthly and Annual Rainfall —

LAKESIDE, DOMINICA, B.W.I.

1	2	3	4	5	6	7	8	9	10	11	12	YR.
—	—	—	—	—	—	—	3675	3185	3491	3920	2940	.....
3000	5112	2048	528	1669	2160	4140	3352	3906	3728	3572	2586	356.86
2991	1766	3803	2720	2190	2415	3977	2585	2691	4373	2994	3355	360.60
2695	3291	3661	3289	2184	2901	2736	3415	4637	2527	3056	1518	359.10
1499	1046	1372	2742	708	1818	3583	3177	2182	2672	1202	2979	249.86
3287	1204	442	1605	2907	3384	4116	3339	2570	4770	3955	2360	339.37
2694	2484	2265	2177	1909	2536	3710	3267	3195	3593	3117	2656	336.03

Station situated on windward coast – height above sea-level ?
Data compiled from Annual Rainfall Reports, Dominica.

:- CORLET, DOMINICA, :-

1	2	3	4	5	6	7	8	9	10	11	12	YR.
2305	492	1639	1052	1148	1278	1512	2927	1954	2822	2119	1066	20314
801	1525	1422	2544	837	1610	2523	2160	1710	1479	2158	3617	22386
661	588	175	2709	1590	2353	2370	1766	2810	2090	1769	1483	20278
2181	1369	1502	675	1168	1625	2088	2497	1285	1674	2698	1500	202.02
1858	678	968	592	1362	2416	2461	2043	3078	1646	1147	1701	199.50
1561	918	1141	1514	1221	1856	2191	2279	2167	1942	1977	1857	206.23

Station situated on windward coast, height above sea-level ?
Data compiled from Annual Rainfall Reports, Dominica.

—— JUMBO MINE, ALASKA, —— (C)

1	2	3	4	5	6	7	8	9	10	11	12	YR
—	—	—	—	—	—	—	2610	1164	3772	2725	3343	—
629	1296	1439	1442	833	613	965	695	1080	1383	2419	18.80	146.74
1644	964	1547	694	695	862	11.11	1998	1988	3241	6146	18.70	227.60
2211	1786	2215	1165	1057	445	532	1292	854	2516	2314	1403	177.90
2787	—	—	—	—	—	—	—	—	—	—	—	—
1818	1349	1734	11.00	862	640	869	1649	1272	2728	3401	2124	195.46

•••• HENDERSON LAKE, BRITISH COLUMBIA, •••• (D)

1	2	3	4	5	6	7	8	9	10	11	12	YR.
3496	1532	1295	905	1371	078	209	255	702	1355	3638	7945	228.31
5253	5084	327	1140	427	222	120	962	2850	5574	2860	3250	280.69
4830	4401	1365	1571	1268	235	440	1213	1.80	340	4441	5350	256.34
2306	4405	1352	1332	2125	376	1394	500	731	4846	3783	5569	283.59
3471	3765	1085	1237	1298	228	541	732	1116	3029	3693	5504	256.99

——— ANDAGOYA, COLOMBIAN REPUBLIC ——— (H)

1	2	3	4	5	6	7	8	9	10	11	12	YEAR
							1445	2611	2343	1175	2215	----
993	2365	1730	1677	1816	1962	3291	2418	2996	2990	2567	1723	275.28
681	1676	2629	2650	2181	3414	3131	3323	2071	2943	2357	2033	310.89
989	2625	1930	3915	3016	1861	2910	2701	2912	2449	2865	2532	317.05
2033	2595	2434	2359	2485	3046	2506	2814	1685	1709	3130	2620	294.16
451	1360	855	1986	2077	2896	2616	2251	1601	1537	3030	2111	237.71
2539	1335	2428	2040	2994	2444	2585	2676	2682	2196	2521	2376	288.16
3629	2586	1954	3043	2142	2979	1730	3340	2774	1790	1887	1950	298.04
3285	2822	2665	2258	3606	2059	1256	2593	2636	2395	2392	1940	298.97
2741	1378	1366	3192	2035	2395	1888	3733	4783	2108	2061	2079	297.59
2523	-	-	2888	2436	2033	2351	1796	2061	2037	1927	1311	- -
1644	1439	869	-	1925	2557	1712	1867	2253	1506	1797	1713	- -
2410	2018	1886	2601	2428	2513	2361	2580	2588	2167	2309	2050	279.11

SWANSON BAY, BRITISH COLUMBIA, CANADA. **(E)**

1	2	3	4	5	6	7	8	9	10	11	12	YR
—	—	—	—	142	361	367	786	675	1815	3489	2198	—
42	1213	1958	2218	967	685	1131	547	2595	2155	3108	1309	196.18
422	1441	1375	720	891	659	1202	2521	2540	3219	2322	605	189.21
112	1419	2420	1848	714	1087	360	376	1022	183	2561	4115	182.17
757	748	2618	801	537	882	404	328	871	2577	2653	2804	180.80
167	1920	497	1276	685	305	086	516	751	1622	2722	2960	155.07
207	1022	1802	2027	1274	395	—	—	—	—	—	—	—
183	1733	654	828	384	1772	1449	882	3264	6038	8801	1634	295.72
161	—	—	—	—	—	—	—	190	—	—	—	—
370	1440	—	2630	3900	2200	—	—	—	—	—	—	—
—	—	—	—	—	705	1395	665	140	3229	1605	3118	—
569	1369	1618	1543	1055	905	797	824	1255	2605	3408	2343	202.91

SURF INLET, BRITISH COLUMBIA, CANADA. (F)

1	2	3	4	5	6	7	8	9	10	11	12	YR.
648	1190	1284	858	269	925	795	498	1639	3119	3760	1867	178.52
694	2189	1989	1072	1312	1353	512	1611	211	3752	2492	2178	203.65
316	1026	1260	1504	2049	1228	273	412	716	1278	2452	2682	171.96
453	729	1458	2240	1046	986	209	793	1804	2006	2099	2686	195.09
733	2646	1190	1094	617	1413	779	1278	1973	2866	2636	1775	200.20
226	613	1755	1516	1466	222	220	509	2574	2052	3486	1810	174.50
462	1732	1505	1236	891	210	175	1291	1262	1659	3048	2968	174.39
270	2240	657	1670	894	197	869	948	1267	2620	2412	1392	176.36
297	1995	2099	1207	719	380	724	1185	357	2113	2946	4529	205.41
466	2732	1256	1317	1975	916	—	—	—	—	—	—	—
157	1709	1444	1371	1124	783	506	945	1311	2385	2816	2432	189.83

GREYTOWN, NICARAGUA, C. A., (G)

1	2	3	4	5	6	7	8	9	10	11	12	YR
2680	636	593	1811	493	4684	5255	3572	814	2436	2555	4165	296.94
2030	257	195	1040	1378	2695	2357	1949	1416	2021	2815	3274	214.27
2857	1138	498	1838	5088	1342	3896	2363	1147	2795	3693	2465	291.20
1770	753	393	999	277	.	.	.				.	
1944	2517	1016	782	937	1952	2463	1638	724	1250	3235	1706	201.64
2348	1169	833	909	2124	2097	3962	2950	3695	1244	4036	3225	285.93
2120	1072	747	462	2206	1143	2713	3896	2645	2244	5538	1824	266.10
2250	1077	611	1120	1786	2319	3441	2728	1740	1998	3645	2776	254.91

•••••• PLACES OF HEAVIEST RAINFALL IN THE WESTERN HEMISPHERE, COMPARED WITH THE LAKESIDE DOMINICA RECORDS, WEST INDIES ••••••••••••••••••

STATIONS	Country	YRS	1	2	3	4	5	6	7	8	9	10	11	12	YEAR
AKESIDE.....	DOMINICA.....	5½	26.94	24.84	22.65	21.77	19.09	25.36	37.10	32.67	31.95	35.93	31.17	26.56	336.03
OKLET.....	DOMINICA.....	5	15.61	9.18	11.41	15.14	12.21	18.56	21.91	22.79	21.67	19.42	19.77	18.57	206.23
UMBO MINE.....	ALASKA.....	3½	18.18	13.49	17.34	11.10	8.62	6.40	8.69	16.49	12.72	27.28	34.01	21.24	195.46
ENDERSON LAKE.....	BRITISH COLUMBIA....	4	34.71	37.65	10.85	12.37	12.98	2.28	5.41	7.32	11.16	30.29	36.93	55.04	256.99
WANSON BAY.....	BRITISH COLUMBIA....	9	25.69	13.69	16.18	15.43	10.55	9.05	7.97	8.24	12.55	26.05	34.08	23.43	202.91
URF INLET.....	BRITISH COLUMBIA....	9	21.57	17.09	14.44	13.71	11.24	7.83	5.06	9.45	13.11	23.85	28.16	24.32	189.83
OORE TOWN.....	JAMAICA.....	24	17.48	12.92	9.78	11.76	18.97	21.77	17.72	15.54	15.39	19.92	34.65	26.08	224.98
HEYTOWN.....	NICARAGUA.....	6½	22.50	10.77	6.11	11.20	17.86	23.19	34.41	27.28	17.40	19.98	36.45	27.76	254.91
UENA VISTA.....	COLOMBIA REPUBLIC...	3	20.51	14.58	17.85	31.60	30.77	27.29	38.23	25.98	30.86	26.78	35.41	30.87	330.73
UENAVENTURA.....	COLOMBIA REPUBLIC...	7	17.90	12.33	11.34	25.60	28.40	23.76	22.35	26.66	27.93	34.66	28.08	21.64	280.65
EDAGOYA.....	COLOMBIA REPUBLIC...	12	24.10	20.18	18.86	26.01	24.28	25.13	23.61	25.80	25.88	21.67	23.09	20.50	279.11
ARAPIQUI.....	COSTA RICA.....	6	19.56	9.29	6.37	10.67	13.41	21.10	19.36	18.26	14.21	22.66	29.94	18.62	209.45

Comparative Data.

From stations in Alaska, Canada, Central America Colombia Republic, S.A., and the West Indies.