

# Seismicity Report 2019

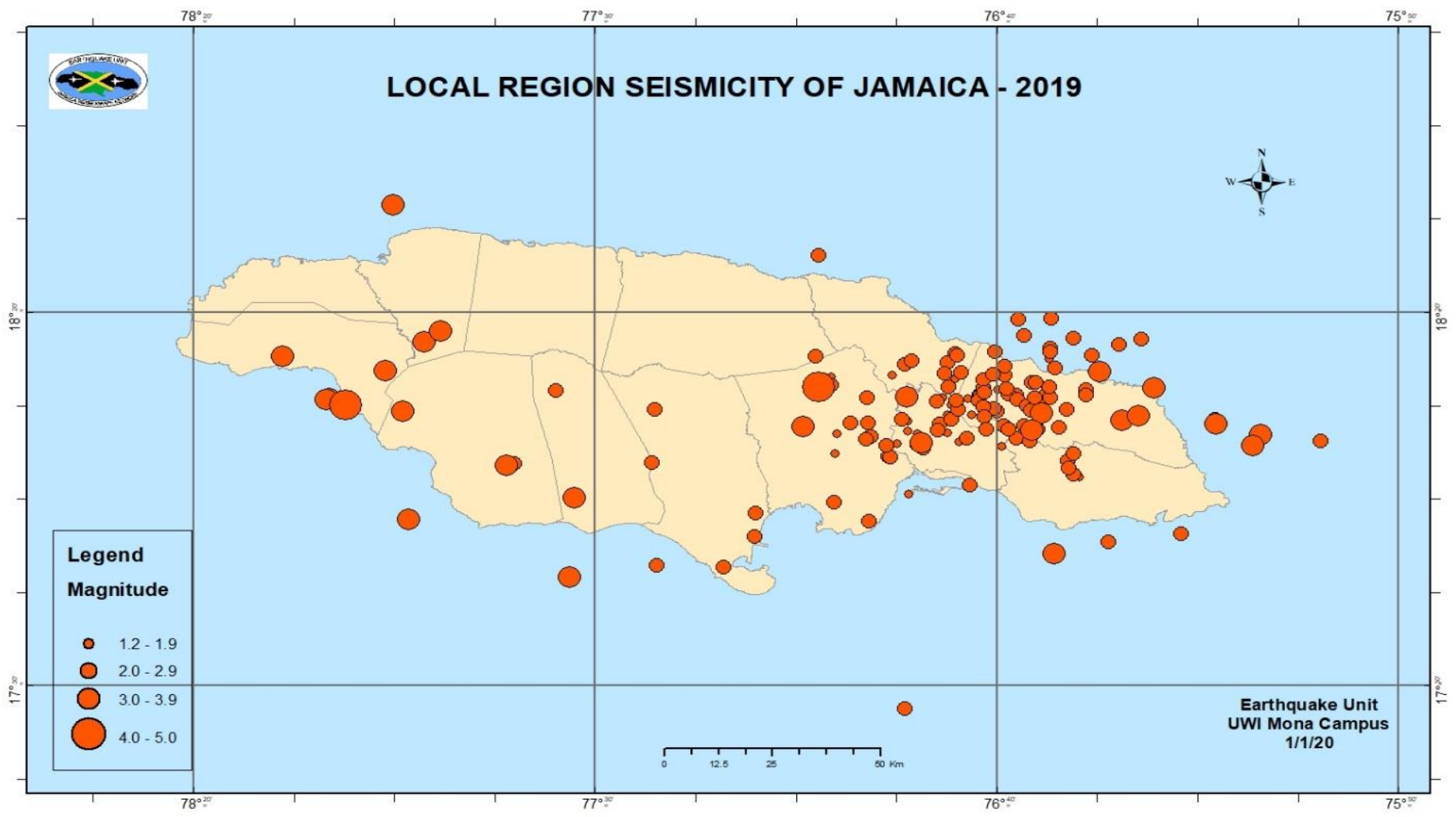
## **EARTHQUAKE EVENT SUMMARY 2019**

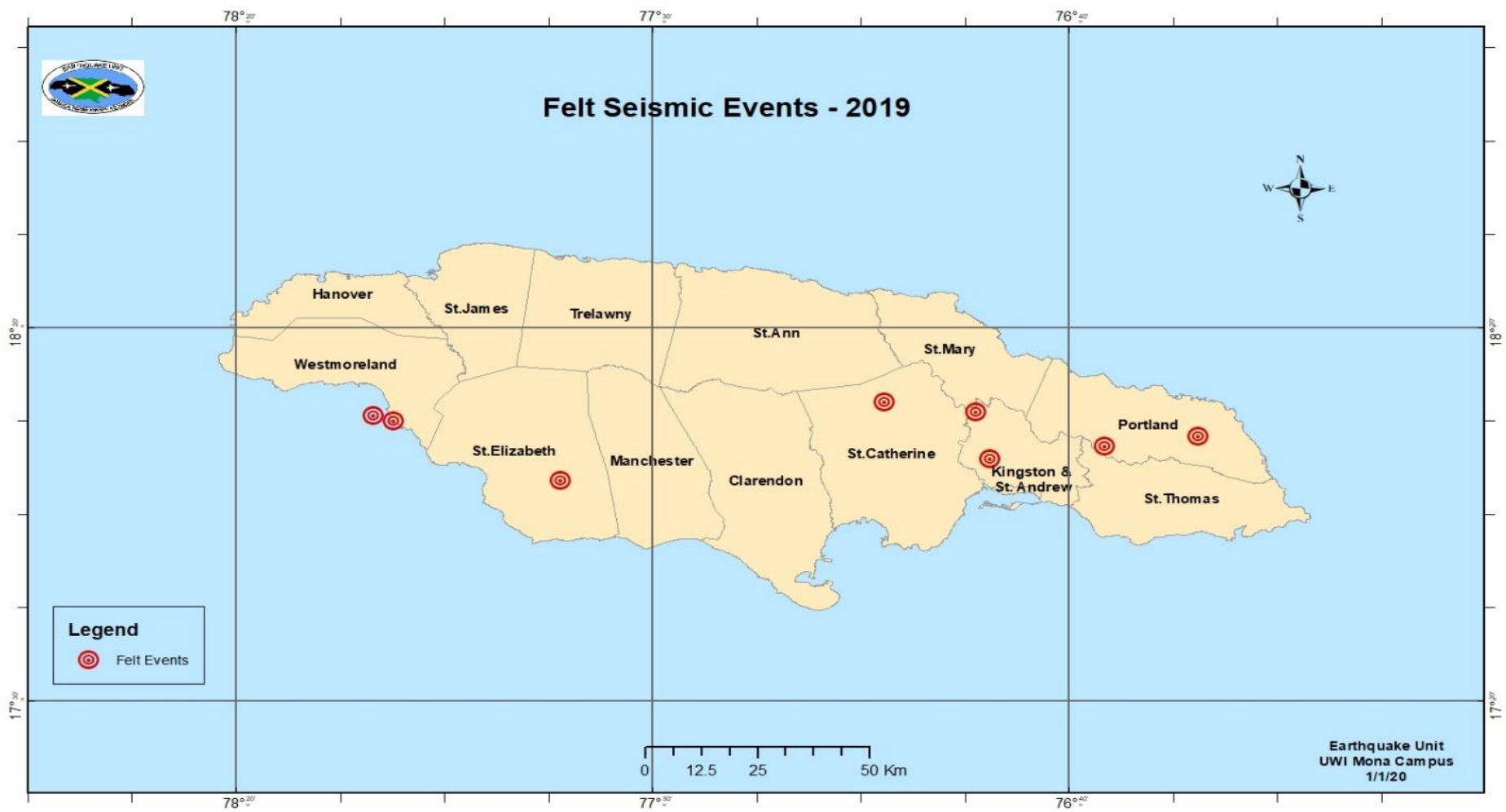
Year	Month	Located Events		Total located	Recorded Events					Total recorded	Felt Event
		Local	Near		Local	Near	Regional	Distant	Blasts		
2019	Jan	14	5	19	14	5	16	0	6	41	2
2019	Feb	13	1	14	13	1	5	0	2	21	0
2019	Mar	9	4	13	9	4	10	0	7	30	0
2019	April	15	5	20	15	5	7	0	2	29	3
2019	May	8	0	8	8	0	12	0	6	26	0
2019	Jun	4	1	5	4	1	2	0	2	9	0
2019	Jul	12	3	15	12	3	3	0	3	21	1
2019	Aug	12	3	15	12	3	11	0	3	29	1
2019	Sep	13	3	16	13	3	9	0	3	28	0
2019	Oct	13	9	22	13	9	8	0	2	32	0
2019	Nov	23	11	34	23	11	20	0	1	55	1
2019	Dec	15	2	17	15	2	15	0	2	34	0
<b>ALL</b>	<b>Totals</b>	<b>151</b>	<b>47</b>	<b>198</b>	<b>151</b>	<b>47</b>	<b>118</b>	<b>0</b>	<b>39</b>	<b>355</b>	<b>8</b>
									<b>Total Recorded events</b>	<b>355</b>	

## Earthquakes felt in 2019

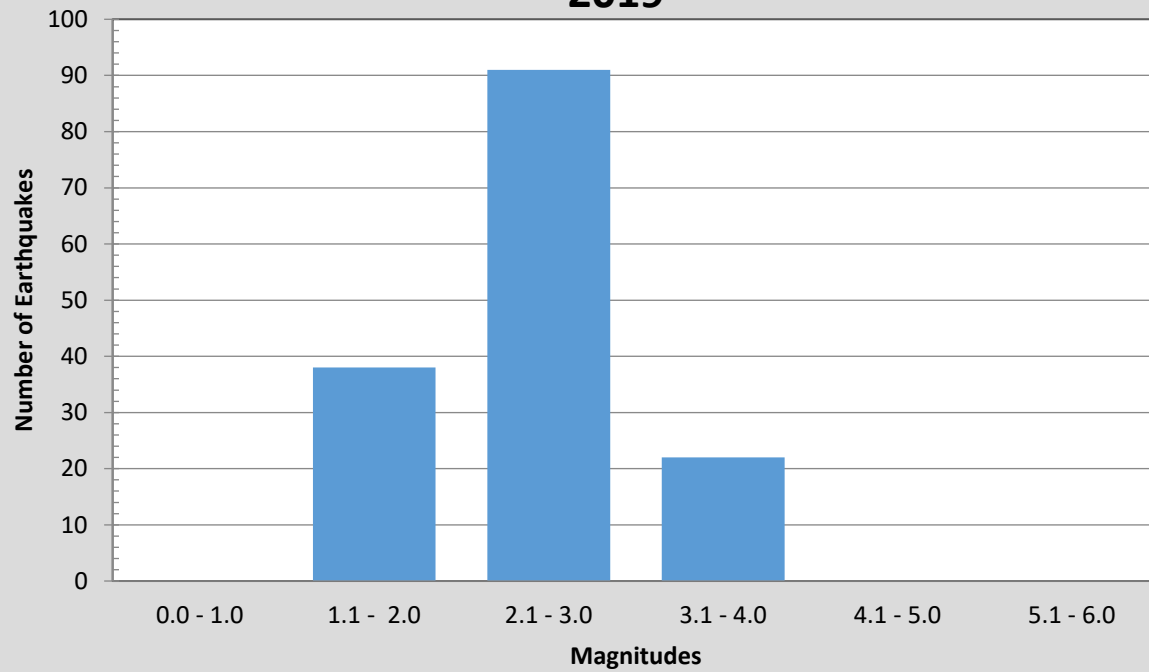
Event No.	Year	Month	Day	Time (EST)	<i>a.m.</i> / <i>p.m.</i>	Mag., Mt	degrees N	degrees W	depth, km	Sub-area	Sub-area name	Epicentre location	Intensity, EMS
1	2019	January	17	05:20	a.m.	3.2	18.145	-76.853	16.0	15	Rio Minho-Crawle River Fault Zone.	Near Rock Hall, St Andrew	Reportedly felt in Eltham, Spanish Town, St Catherine
2	2019	January	27	10:19	p.m.	3.4	17.992	-77.683	24.0	17	Black River	Approx. 4km Southeast of Black River, St Elizabeth	Reportedly felt in St Elizabeth and Manchester
3	2019	April	2	6:30	p.m.	3.8	18.138	-78.058	7.5	14	New Bank Fracture Zone	Approx. 4km Southwest of Bluefields, Westmoreland	Reportedly felt in Bluefields, Westmoreland
4	2019	April	4	8:42	p.m.	3.2	18.091	-76.407	1.1	13	Port Antonio	Near Moore Town, Portland	Reportedly felt in Chancery Hall, St Andrew
5	2019	April	15	8:53	a.m.	3.9	18.125	-78.018	16.0	7	Montpelier - Newmarket Belt	Approx. 2km northwest of White House, Westmoreland	Reportedly felt in Montego Bay, St James, Savanna-la-Mar, Westmoreland

6	2019	July	18	10:02	p.m.	3.4	18.069	-76.594	21.0	16	Blue Mountains Block	Approx. 5km north of Hagley Gap, St Andrew	Reportedly felt in Chancery Hall, St Andrew
7	2019	August	22	6:45	a.m.	4.2	18.167	-77.036	28.5	15	Rio Minho-Crawle River Fault Zone.	Approx. 3km north of Linstead, St Catherine	Reportedly felt in St Elizabeth, Manchester, Clarendon, St Mary, Portland, St Thomas, Kingston and St Andrew.
8	2019	November	26	7:57	a.m.	3.2	18.041	-76.823	21.6	11	Wagwater Trough North	Near Duhaney Park, St Andrew	Reportedly felt in Kingston and St Andrew

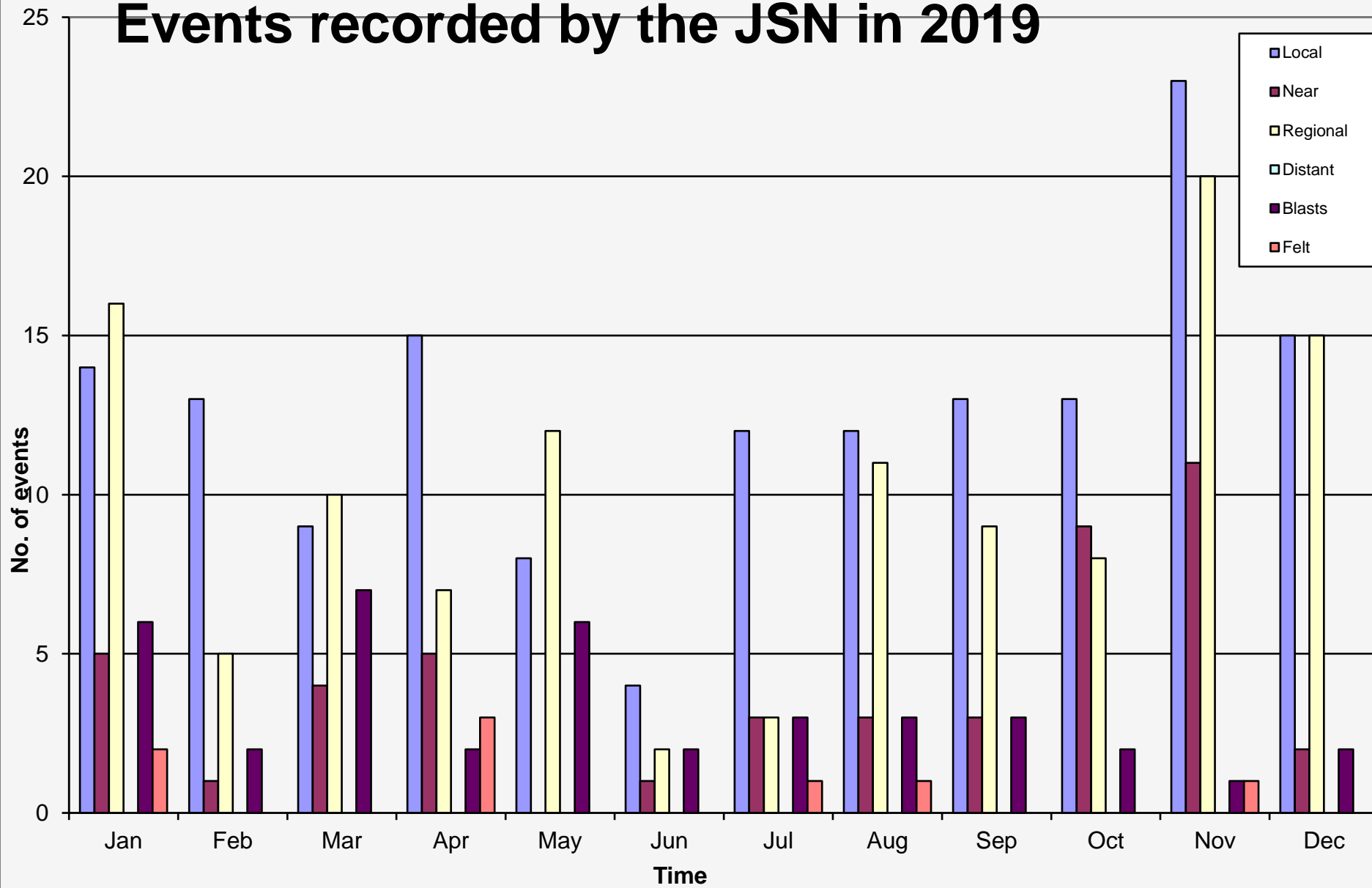




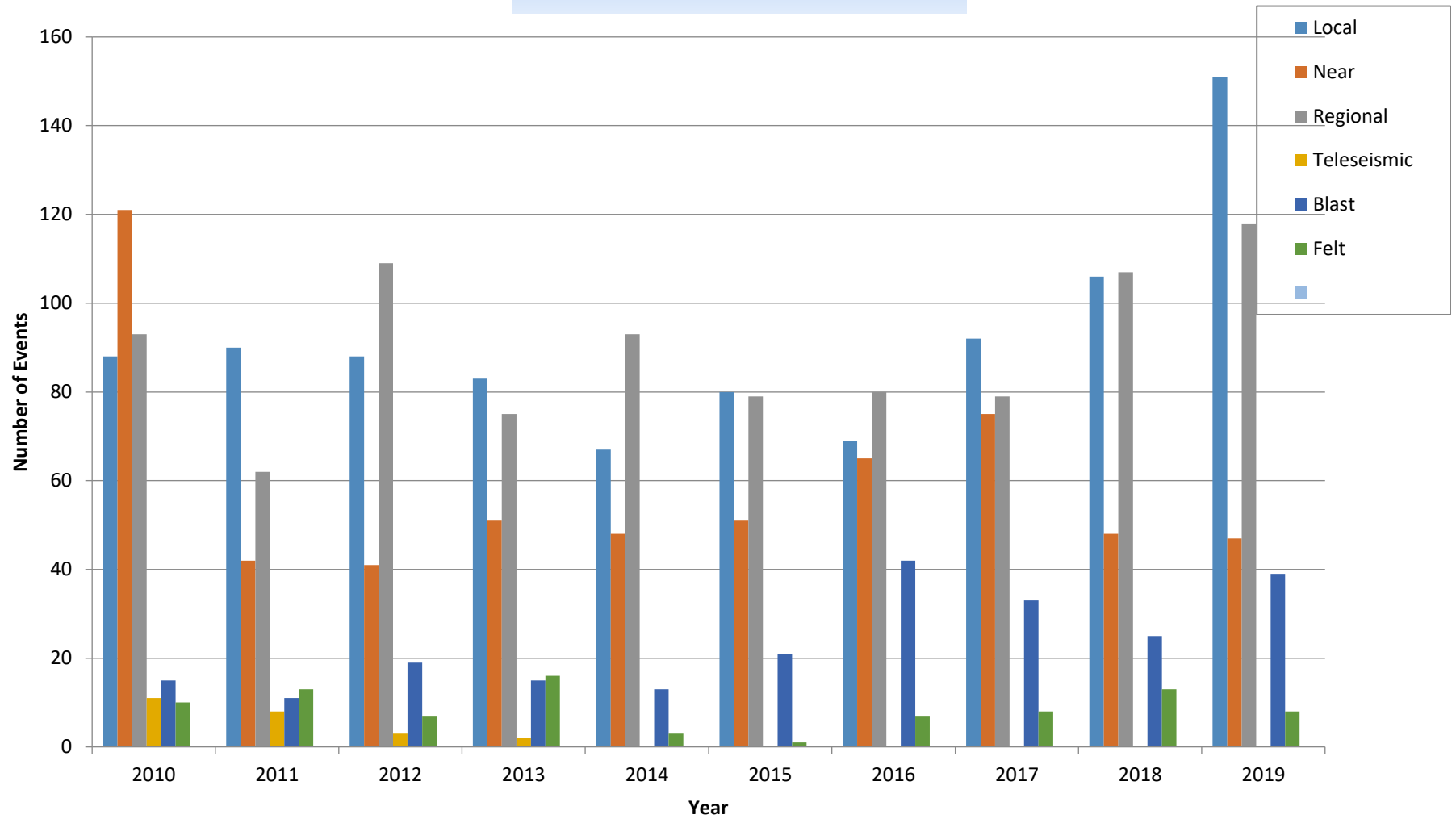
## Magnitude Distribution of Local Earthquakes 2019



# Events recorded by the JSN in 2019



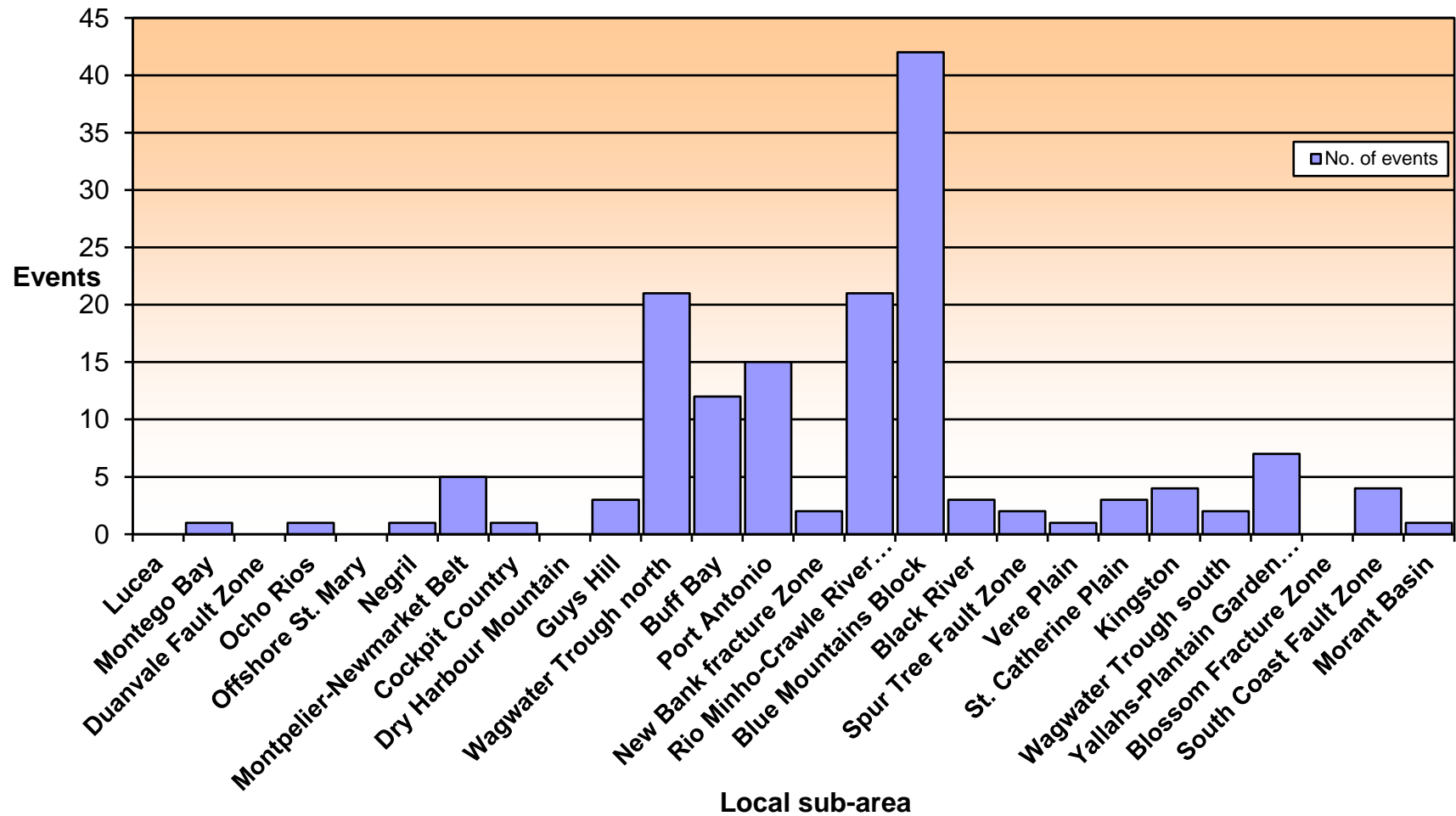
## Events Recorded by the JSN 2010 - 2019



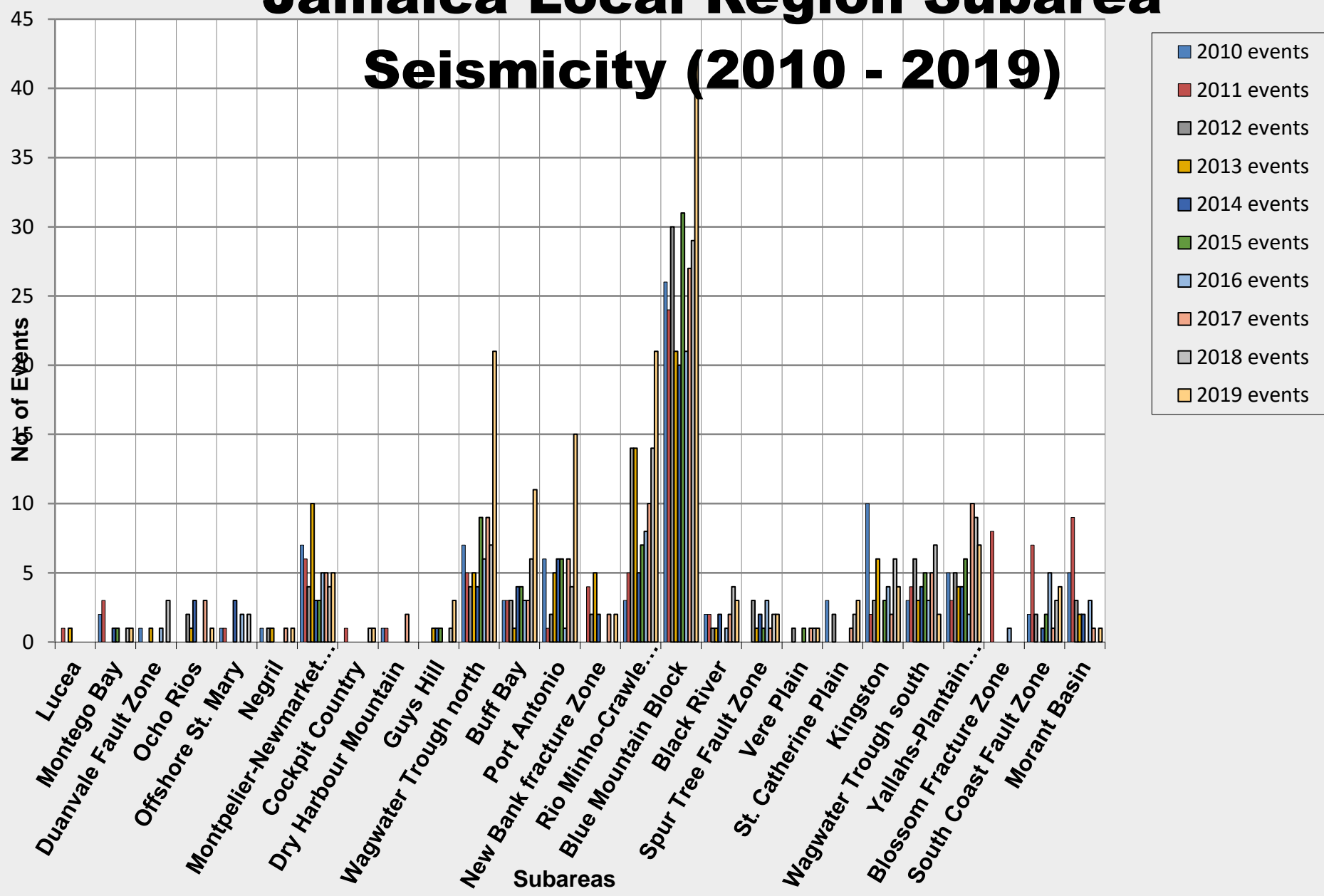


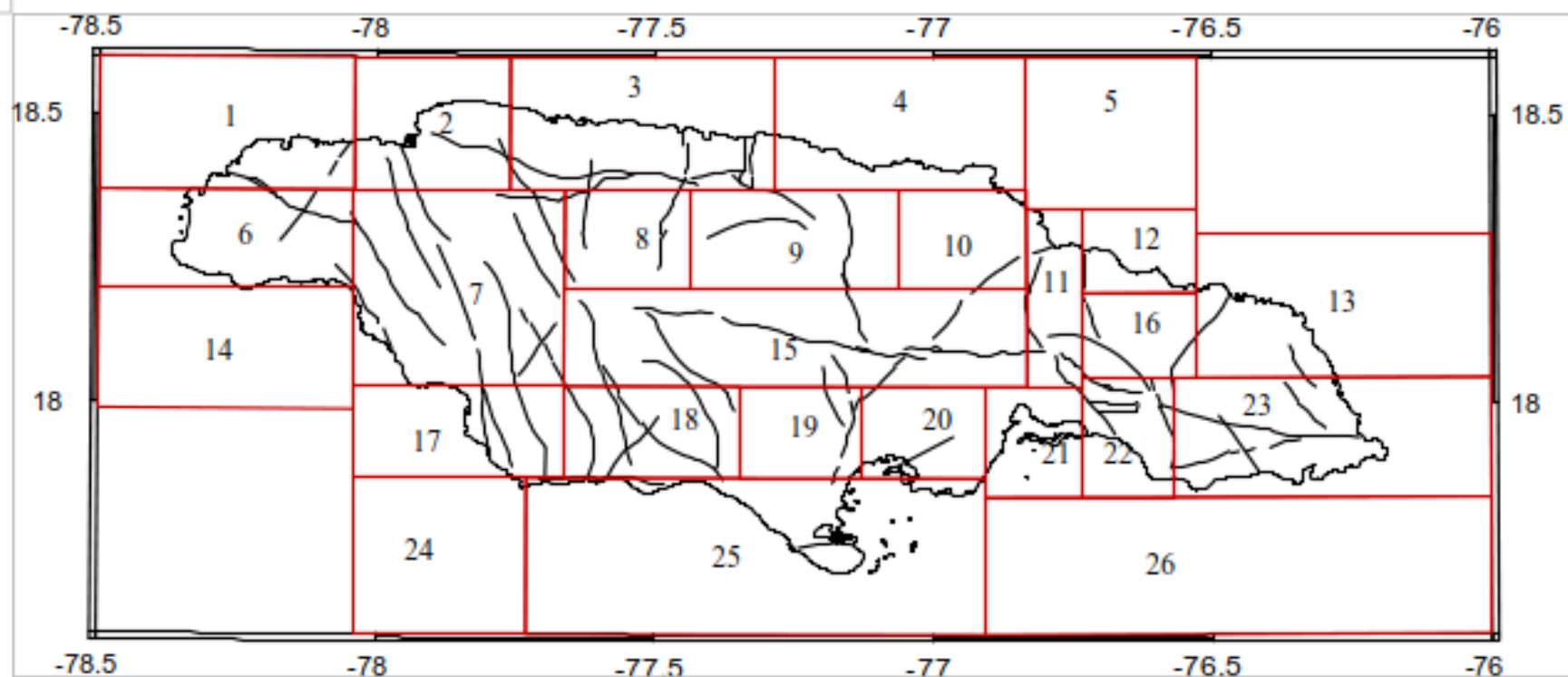
# SEISMICITY BY SUB-AREA

## JANUARY - DECEMBER 2019



# Jamaica Local Region Subarea Seismicity (2010 - 2019)





**JSN Local region sub-areas 1 - 26 and geologic faults (from Jamaica Geologic Structure Series, Jamaica 1:250,000, 1992)**

## Local Region Seismic Activity - 2019

Date	Origin time	Lat.(°N)	Long.(°W)	Depth	Mag.(Mt)	Local Region Sub-areas	Parish	Number	Reported Felt
1/4/2019	0922 46.9	18.274	-76.507	0.0	2.5	Port Antonio	Offshore	13	No
1/6/2019	1728 12.4	18.017	-76.507	4.5	2.4	Yallahs-Plantain Garden Fault Zone	St Thomas	23	No
1/7/2019	0109 37.4	18.104	-76.718	9.3	1.9	Blue Mountains Block	Portland	16	No
1/13/2019	0432 39.9	17.742	-77.553	17.0	3.4	South Coast Fault Zone	Offshore	25	No
1/16/2019	0403 52.0	18.03	-76.819	6.1	2.0	Kingston	St Andrew	21	No
1/17/2019	1020 9.2	18.145	-76.853	17.7	3.4	Rio Minho-Crawle River Fault Zone	St Andrew	15	Yes
1/18/2019	0325 40.7	18.291	-77.821	13.2	3.3	Montpelier-Newmarket Belt	St James	7	No
1/19/2019	0718 59.3	18.192	-76.884	0.5	1.6	Guys Hill	St Mary	10	No
1/19/2019	0638 31.7	18.052	-76.728	13.9	2.5	Blue Mountains Block	St Andrew	16	No
1/22/2019	1402 23.8	18.085	-76.934	13.7	2.0	Rio Minho-Crawle River Fault Zone	St Catherine	15	No
1/26/2019	0443 26.3	18.065	-76.591	2.0	1.6	Blue Mountains Block	Portland	16	No
1/26/2019	0448 11.8	18.065	-76.593	2.1	1.8	Blue Mountains Block	Portland	16	No
1/26/2019	1516 3.3	18.703	-76.67	17.0	2.9	Buff Bay	Offshore	12	No
1/28/2019	0319 50.4	17.992	-77.683	16.7	3.3	Black River	St Elizabeth	17	Yes
1/29/2019	0758 55.3	18.055	-76.928	3.4	2.1	Rio Minho-Crawle River Fault Zone	St Catherine	15	No
2/1/2019	0739 34.8	18.195	-76.674	6.2	2.4	Blue Mountains Block	Portland	16	No
2/2/2019	1241 56.2	17.832	-77.168	0.0	2.6	South Coast Fault Zone	Clarendon	25	No
2/3/2019	0503 19.8	18.046	-76.597	2.9	2.3	Blue Mountains Block	Portland	16	No
2/3/2019	0904 49.1	17.838	-76.283	29.6	2.4	Yallahs-Plantain Garden Fault Zone	Offshore	23	No
2/3/2019	0414 46.5	18.281	-76.609	0.1	2.6	Buff Bay	Offshore	12	No
2/6/2019	1405 11.8	18.225	-76.843	11.2	2.5	Wagwater Trough North	St Mary	11	No
2/9/2019	2034 15.4	18.235	-77.043	4.4	2.6	Guys Hill	St Ann	10	No

2/13/2019	0030 26.1	18.166	-76.557	8.3	2.5	Blue Mountains Block	Portland	16	No
2/14/2019	0459 54.4	17.995	-77.668	14.8	2.3	Black River	St Elizabeth	17	No
2/18/2019	0318 30.8	18.197	-76.678	1.8	1.9	Buff Bay	Portland	12	No
2/24/2019	0742 23.3	18.164	-76.694	15.0	2.1	Blue Mountains Block	Portland	16	No
2/27/2019	0645 43.5	18.115	-76.746	17.5	2.1	Wagwater Trough North	St Andrew	11	No
2/28/2019	0847 12.1	18.141	-76.727	9.3	1.8	Blue Mountains Block	Portland	16	No
3/2/2019	0756 12.3	18.018	-77.001	11.7	1.4	St Catherine Plains	St Catherine	20	No
3/6/2019	1226 21.5	17.997	-77.382	8.8	2.4	Spur Tree Fault Zone	Manchester	18	No
3/9/2019	0642 30.2	18.252	-76.555	0.0	2.1	Buff Bay	Offshore	12	No
3/15/2019	0633 29.1	17.821	-76.434	9.0	2.5	Morant Basin	Offshore	26	No
3/18/2019	1148 59.0	18.267	-77.854	13.5	3.1	Montpelier-Newmarket Belt	St James	7	No
3/20/2019	1040 30.8	18.199	-76.74	18.0	2.3	Wagwater Trough North	St Mary	11	No
3/22/2019	2128 48.0	17.866	-76.931	15.2	2.6	St Catherine Plains	St Catherine	20	No
3/22/2019	1808 20.9	18.112	-77.899	17.2	3.0	Montpelier-Newmarket Belt	St Elizabeth	7	No
3/26/2019	0820 2.5	18.217	-76.857	19.9	2.2	Guys Hill	St Mary	10	No
4/2/2019	0839 31.8	18.148	-76.702	0.1	2.0	Blue Mountains Block	Portland	16	No
4/2/2019	2305 36.4	18.14	-78.052	10.5	3.1	New Bank Fracture Zone	Offshore	14	No
4/2/2019	2330 0.6	18.138	-78.059	10.1	3.8	New Bank Fracture Zone	Offshore	14	Yes
4/5/2019	0142 28.6	18.091	-76.407	3.5	3.2	Port Antonio	Portland	13	Yes
4/7/2019	1643 0.2	18.158	-77.581	19.2	2.8	Rio Minho-Crawle River Fault Zone	Manchester	15	No
4/9/2019	0516 45.6	18.074	-76.65	10.7	1.7	Blue Mountains Block	Portland	16	No
4/14/2019	2000 56.7	18.235	-78.148	0.0	3.1	Negril	Westmoreland	6	No
4/15/2019	1353 30.2	18.125	-78.018	11.6	4.0	Montpelier-Newmarket Belt	Westmoreland	7	Yes
4/18/2019	0622 30.0	18.038	-76.831	11.1	2.0	Wagwater Trough North	St Andrew	11	No
4/18/2019	1945 45.4	17.763	-77.234	21.3	2.3	South Coast Fault Zone	Clarendon	25	No

4/21/2019	0639 10.7	18.077	-77.069	21.2	3.1	Rio Minho-Crawle River Fault Zone	St Catherine	15	No
4/24/2019	2333 56.2	18.137	-76.624	16.0	2.4	Blue Mountains Block	Portland	16	No
4/24/2019	1931 48.9	18.045	-75.995	3.7	2.8	Port Antonio	Portland	13	No
4/30/2019	1810 24.6	18.123	-76.604	1.4	2.4	Blue Mountains Block	Portland	16	No
4/30/2019	0758 14.4	18.261	-76.412	6.0	2.8	Port Antonio	Portland	13	No
5/2/2019	2047 23.6	17.885	-77.167	18.7	2.3	Vere PLains	Clarendon	19	No
5/2/2019	0710 59.2	18.001	-76.519	7.8	2.3	Yallahs-Plantain Garden Fault Zone	St Thomas	23	No
5/5/2019	0717 42.5	17.965	-76.495	29.5	1.8	Yallahs-Plantain Garden Fault Zone	St Thomas	23	No
5/6/2019	0516 30.5	18.044	-76.745	17.7	1.5	Wagwater Trough North	St Andrew	11	No
5/9/2019	0407 36.6	18.202	-77.936	16.5	3.2	Montpelier-Newmarket Belt	Westmoreland	7	No
5/16/2019	0519 35.3	18.049	-76.937	19.7	2.9	Rio Minho-Crawle River Fault Zone	St Catherine	15	No
5/18/2019	1151 48.0	18.241	-76.752	7.0	2.1	Wagwater Trough North	St Mary	11	No
5/26/2019	0916 14.0	18.272	-76.366	27.3	2.5	Port Antonio	Offshore	13	No
6/1/2019	1524 29.2	18.123	-76.686	7.9	1.8	Blue Mountains Block	Portland	16	No
6/6/2019	1022 31.6	18.112	-76.665	15.0	2.0	Blue Mountains Block	Portland	16	No
6/10/2019	0536 41.2	18.185	-76.753	17.1	1.2	Wagwater Trough North	St Mary	11	No
6/14/2019	1825 8.8	18.165	-76.34	14.9	3.0	Port Antonio	Offshore	13	No
7/3/2019	0454 3.1	18.126	-76.761	10.3	1.6	Wagwater Trough North	St Andrew	11	No
7/8/2019	0950 46.0	18.146	-76.701	14.3	2.2	Blue Mountains Block	Portland	16	No
7/8/2019	1807 4.5	18.182	-76.694	0.0	2.3	Blue Mountains Block	Portland	16	No
7/13/2019	1246 26.3	18.171	-77.009	19.4	2.1	Rio Minho-Crawle River Fault Zone	St Catherine	15	No
7/16/2019	2257 5.3	18.237	-76.748	11.5	2.3	Wagwater Trough North	St Mary	11	No
7/16/2019	2128 29.1	18.117	-76.673	17.6	2.3	Blue Mountains Block	Portland	16	No
7/16/2019	0501 1.3	17.794	-76.548	0.0	3.4	Morant Basin	Offshore	26	No
7/17/2019	0329 23.2	18.076	-76.538	10.7	2.5	Blue Mountains Block	Portland	16	No

7/19/2019	0301 53.6	18.069	-76.594	21.5	3.4	Blue Mountains Block	Portland	16	Yes
7/21/2019	0213 47.1	18.213	-76.65	1.8	2.4	Buff Bay	Portland	12	No
7/26/2019	0954 28.0	18.085	-76.97	21.6	2.3	Rio Minho-Crawle River Fault Zone	St Catherine	15	No
7/27/2019	2050 32.3	18.162	-76.646	11.9	2.5	Blue Mountains Block	Portland	16	No
8/6/2019	0958 59.0	18.170	-77.022	4.2	2.4	Rio Minho Crawle River Fault Zone	St Catherine	15	No
8/6/2019	1428 55.8	17.919	-77.543	20.0	3.0	Spur Tree Fault Zone	Clarendon	18	No
8/7/2019	0215 24.7	17.946	-76.722	14.4	2.0	Wagwater Trough South	St Andrew	22	No
8/12/2019	0307 14.6	18.072	-76.582	13.6	2.2	Blue Mountains Block	Portland	16	No
8/15/2019	1418 17.6	18.143	-76.556	18.8	2.3	Blue Mountains Block	Portland	16	No
8/15/2019	0510 35.9	18.072	-76.688	25.0	2.7	Blue Mountains Block	St Andrew	16	No
8/22/2019	1647 43.6	18.209	-76.546	14.0	2.9	Buff Bay	Offshore	12	No
8/22/2019	1145 17.4	18.167	-77.036	28.5	4.0	Rio Minho-Crawle River Fault Zone	St Catherine	15	Yes
8/29/2019	1841 27.8	18.181	-77.025	4.5	2.4	Rio Minho-Crawle River Fault Zone	St Catherine	15	No
8/29/2019	0635 47.9	18.237	-76.468	7.7	2.7	Port Antonio	Offshore	13	No
8/30/2019	0420 59.3	18.151	-76.641	0.0	2.3	Blue Mountains Block	Portland	16	No
8/31/2019	1716 54.9	18.099	-76.693	21.8	2.6	Blue Mountains Block	Portland	16	No
9/1/2019	2134 16.3	18.317	-76.621	0.0	2.7	Buff Bay	Offshore	12	No
9/3/2019	0912 5.6	18.149	-76.626	4.8	2.0	Blue Mountains Block	Portland	16	No
9/4/2019	1208 31.6	18.121	-76.695	19.3	2.3	Blue Mountains Block	Portland	16	No
9/7/2019	0759 13.1	18.062	-76.997	0.7	1.6	Rio Minho-Crawle River Fault Zone	St Catherine	15	No
9/7/2019	1620 3.7	18.033	-76.655	24.2	1.8	Wagwater Trough South	St Andrew	22	No
9/21/2019	0515 47.2	18.069	-76.788	24.9	2.3	Wagwater Trough North	St Andrew	11	No
9/22/2019	2211 20.0	18.176	-76.585	12.2	2.5	Blue Mountains Block	Portland	16	No
9/26/2019	0004 57.5	18.136	-76.751	21.4	2.6	Blue Mountains Block	Portland	16	No
9/27/2019	0845 29.7	18.197	-76.774	16.4	2.3	Wagwater Trough North	St Mary	11	No
9/28/2019	2316 59.2	17.767	-77.373	28.5	2.9	South Coast Fault Zone	Offshore	25	No

9/28/2019	0541 47.4	18.108	-76.574	15.4	3.0	Blue Mountains Block	Portland	16	No
9/29/2019	1043 56.6	18.245	-76.671	13.9	2.0	Buff Bay	Portland	12	No
9/29/2019	1128 54.1	18.144	-76.570	11.6	2.1	Rio Minho-Crawle River Fault Zone	Clarendon	15	No
10/2/2019	0417 16.8	18.154	-76.693	13.2	2.3	Blue Mountains Block	Portland	16	No
10/3/2019	0132 34.7	17.972	-76.507	8.4	2.5	Yallahs-Plantain Garden Fault Zone	St Thomas	23	No
10/5/2019	1157 6.1	18.176	-76.593	9.8	2.2	Blue Mountains Block	Portland	16	No
10/10/2019	0852 43.6	18.193	-76.650	0.0	2.3	Buff Bay	Portland	12	No
10/16/2019	0116 55.1	18.083	-76.784	13.1	2.0	Wagwater Trough North	St Andrew	11	No
10/17/2019	1720 35.9	18.166	-76.766	13.7	2.1	Wagwater Trough North	St Mary	11	No
10/17/2019	1720 36.4	18.133	-76.791	11.4	2.1	Wagwater Trough North	St Andrew	11	No
10/21/2019	1323 24.5	17.909	-77.004	4.5	2.7	St Catherine Plains	St Catherine	20	No
10/24/2019	1351 13.9	18.090	-76.851	5.2	1.7	Rio Minho-Crawle River Fault Zone	St Andrew	15	No
10/24/2019	0727 27.2	18.116	-77.376	22.7	2.6	Rio Minho-Crawle River Fault Zone	Clarendon	15	No
10/27/2019	2022 51.8	18.063	-76.768	0.0	1.6	Wagwater Trough North	St Andrew	11	No
10/27/2019	0854 21.8	18.221	-76.768	15.5	2.2	Wagwater Trough North	St Mary	11	No
10/28/2019	0448 8.8	18.103	-76.769	0.0	1.4	Wagwater Trough North	St Andrew	11	No
11/4/2019	1316 31.1	18.320	-76.553	20.6	2.0	Buff Bay	Offshore	12	No
11/4/2019	0630 13.9	18.094	-76.213	0.0	2.9	Port Antonio	Offshore	13	No
11/4/2019	0636 24.8	18.083	-76.212	0.0	3.2	Port Antonio	Offshore	13	No
11/9/2019	0736 33.2	18.067	-76.852	12.8	1.7	Rio Minho-Crawle River Fault Zone	St Andrew	15	No
11/11/2019	1145 18.9	18.228	-76.557	0.0	1.9	Buff Bay	Offshore	12	No
11/11/2019	1321 14.6	18.115	-76.521	0.0	2.2	Port Antonio	Portland	13	No
11/11/2019	0830 2.1	18.143	-76.588	15.6	2.5	Blue Mountains Block	Portland	16	No
11/11/2019	0830 2.1	18.143	-76.588	15.6	2.5	Blue Mountains Block	Portland	16	No
11/11/2019	2246 42.0	18.161	-76.481	16.1	2.6	Port Antonio	Portland	13	No
11/11/2019	1038 9.7	18.201	-76.453	14.0	3.2	Port Antonio	Offshore	13	No



11/11/2019	0302 36.4	18.573	-77.920	24.1	3.4	Montego Bay	Offshore	2	No
11/12/2019	1037 48.8	18.040	-76.874	11.7	1.7	Rio Minho-Crawle River Fault Zone	St Andrew	15	No
11/16/2019	0008 32.3	18.160	-76.663	16.8	1.9	Blue Mountains Block	Portland	16	No
11/16/2019	2312 19.9	18.079	-76.610	1.3	2.3	Blue Mountains Block	Portland	16	No
11/16/2019	2242 24.5	18.035	-76.896	0.0	2.4	Rio Minho-Crawle River Fault Zone	St Andrew	15	No
11/16/2019	0446 49.5	18.079	-76.652	0.0	2.4	Blue Mountains Block	St Andrew	16	No
11/16/2019	0438 37.8	17.870	-77.887	23.1	3.0	Black River	Offshore	17	No
11/18/2019	1951 45.0	18.102	-76.372	7.2	3.3	Port Antonio	Portland	13	No
11/19/2019	0630 9.4	18.244	-76.555	3.2	2.3	Buff Bay	Offshore	12	No
11/25/2019	1639 22.1	18.143	-76.779	0.0F	1.8	Wagwater Trough North	St Andrew	11	No
11/26/2019	1257 16.1	18.041	-76.823	21.6	3.4	Wagwater Trough North	St Andrew	11	Yes
11/29/2019	1333 46.3	18.148	-76.481	18.6	2.7	Port Antonio	Portland	13	No
11/30/2019	0011 31.2	18.459	-77.036	16.7	2.6	Ocho Rios	Offshore	4	No
12/4/2019	1240 43.6	18.094	-76.760	12.8	2.0	Wagwater Trough North	St Andrew	11	No
12/5/2019	1952 51.0	18.061	-76.831	10.9	1.8	Wagwater Trough North	St Andrew	11	No
12/7/2019	0838 48.2	18.010	-76.888	18.0	2.3	Kingston	St Andrew	21	No
12/8/2019	1906 11.6	17.927	-76.849	0.0	1.6	Kingston	Offshore	21	No
12/8/2019	0435 51.6	18.012	-76.892	15.8	2.2	Kingston	St Andrew	21	No
12/12/2019	1706 45.0	18.093	-76.864	21.7	2.0	Rio Minho-Crawle River Fault Zone	St Andrew	15	No
12/15/2019	1141 45.4	18.189	-77.010	11.0	1.8	Rio Minho-Crawle River Fault Zone	St Catherine	15	No
12/15/2019	1948 8.3	18.135	-76.705	16.1	2.2	Blue Mountains Block	Portland	16	No
12/16/2019	0957 38.5	18.143	-76.936	3.5	2.1	Rio Minho-Crawle River Fault Zone	St Catherine	15	No
12/18/2019	2308 29.6	18.059	-76.119	0.0	3.1	Port Antonio	Offshore	13	No
12/18/2019	2020 47.9	18.036	-76.135	0.0	3.6	Yallahs-Plantain Garden Fault Zone	Offshore	23	No
12/23/2019	1405 12.5	18.071	-76.642	7.5	2.5	Blue Mountains Block	Portland	16	No
12/24/2019	1317 43.1	17.986	-76.518	8.5	2.5	Yallahs Plantain Garden Fault Zone	St Thomas	23	No

12/30/2019	1800 27.3	18.113	-76.595	17.8	2.4	Blue Mountains Block	Portland	16	No
12/31/2019	0100 14.8	18.051	-76.625	15.0	2.2	Blue Mountains Block	St Thomas	16	No

### Near Region Seismic Activity - 2019

Date	Origin time	Lat.(°N)	Long.(°W)	Depth	Mag.(Mt)	Local Region Sub-areas	Parish	Number	Reported Felt
1/1/2019	0746 6.9	18.03	-75.962	0	3.1	Caribbean Sea East of Jamaica	NA	34	No
1/10/2019	1936 41.7	17.984	-78.581	0	3.9	Cayman Trough West	NA	32	No
1/26/2019	1516 3.3	18.703	-76.67	17.0	2.9	Oriente Fracture Zone	NA	30	No
1/30/2019	0447 38.0	19.392	-75.591	110.9	4.1	Oriente Fracture Zone	NA	30	No
1/31/2019	0517 44.5	18.735	-78.014	0	3.5	Oriente Fracture Zone	NA	30	No
2/8/2019	1256 22.4	17.49	-80.7	50.3	4.8	Cayman Trough West	NA	32	No
3/2/2019	1255 3.6	18.911	-81.45	15	4.6	Cayman Spreading Center	NA	31	No
3/5/2019	1333 26.1	19.478	-77.824	37.7	3.5	Oriente Fracture Zone	NA	30	No
3/8/2019	0516 15.3	18.253	-75.905	0	3.4	Caribbean Sea East of Jamaica	NA	34	No
3/10/2019	0416 51.7	19.728	-75.757	42.2	4.0	Oriente Fracture Zone	NA	30	No
4/14/2019	0557 31.3	17.762	-81.331	0.2	4.6	Cayman Spreading Center	NA	31	No
4/16/2019	1146 30.2	18.655	-72.974	0.1	4.7	Northern Haiti	NA	29	No
4/18/2019	0145 59.1	18.96	-76.609	16.7	3.4	Oriente Fracture Zone	NA	30	No
4/20/2019	0552 29.4	18.638	-75.812	0	3.7	Oriente Fracture Zone	NA	30	No
4/20/2019	0717 12.6	19.672	-77.243	25.1	3.8	Oriente Fracture Zone	NA	30	No
6/14/2019	0620 18.4	19.405	-78.338	29.7	4.6	Oriente Fracture Zone	NA	30	No

7/16/2019	0530 32.4	19.657	-75.621	27.2	4.1	Oriente Fracture Zone	NA	30	No
7/18/2019	0600 54.5	17.416	-77.262	5.4	2.9	Pedro Bank	NA	37	No
7/29/2019	2144 40.5	17.1	-76.026	28.8	3.3	Pedro Bank Fracture Zone	NA	38	No
8/5/2019	0056 37.6	18.771	-73.529	0.0	4.7	Northern Haiti	NA	29	No
8/5/2019	0034 16.4	19.361	-74.441	0	5.0	Oriente Fracture Zone	NA	30	No
8/13/2019	0940 48.5	18.698	-77.540	5.0	3.3	Oriente Fracture Zone	NA	30	No
9/6/2019	1111 40.8	18.939	-76.907	22.8	3.6	Oriente Fracture Zone	NA	30	No
9/18/2019	0859 0.5	19.675	-76.314	15.0	4.0	Oriente Fracture Zone	NA	30	No
9/25/2019	1344 38.2	18.352	-73.681	0.0	5.3	Southern Haiti	NA	35	No
10/3/2019	0747 59.4	18.642	-76.426	24.8	3.3	Oriente Fracture Zone	NA	30	No
10/13/2019	0836 6.5	18.044	-79.124	15.0	4.0	Cayman Trough West	NA	32	No
10/18/2019	1311 28.1	18.415	-76.495	15.0	2.5	Offshore Northeast Jamaica	NA	33	No
10/24/2019	0743 53.2	19.490	-77.606	0.0	3.5	Oriente Fracture Zone	NA	30	No
10/25/2019	0906 4.3	19.679	-76.391	30.1	3.9	Oriente Fracture Zone	NA	30	No
10/25/2019	0923 4.7	19.772	-76.186	30.5	3.9	Oriente Fracture Zone	NA	30	No
10/25/2019	0942 45.7	19.380	-75.836	0.0	3.9	Oriente Fracture Zone	NA	30	No
10/25/2019	1714 14.7	19.829	-76.494	29.4	3.4	Oriente Fracture Zone	NA	30	No
10/25/2019	1729 12.3	19.651	-76.432	15.0	4.2	Oriente Fracture Zone	NA	30	No
11/1/2019	0619 30.8	18.726	-76.597	15.8	2.7	Oriente Fracture Zone	NA	30	No
11/6/2019	0833 0.7	19.518	-77.796	28.5	3.4	Oriente Fracture Zone	NA	30	No
11/11/2019	0522 16.5	18.763	-76.299	18.5	2.7	Oriente Fracture Zone	NA	30	No
11/14/2019	0853 5.8	18.126	-75.947	0.0	3.2	Caribbean Sea East of Jamaica	NA	34	No
11/14/2019	2139 17.3	18.151	-75.877	0.0	3.5	Caribbean Sea East of Jamaica	NA	34	No
11/15/2019	2250 24.5	19.632	-76.463	15.0	4.0	Oriente Fracture Zone	NA	30	No
11/16/2019	0802 40.6	17.579	-76.520	13.2	3.5	Pedro Bank Fracture Zone	NA	38	No

11/18/2019	0025 41.9	18.931	-77.342	51.7	3.3	Oriente Fracture Zone	NA	30	No
11/18/2019	1249 55.2	19.585	-75.770	26.7	4.0	Oriente Fracture Zone	NA	30	No
11/19/2019	1403 53.8	17.910	-79.496	0.0	3.9	Cayman Trough West	NA	32	No
11/24/2019	2227 48.1	18.672	-77.818	19.5	2.6	Oriente Fracture Zone	NA	30	No
12/9/2019	0612 26.1	19.163	-80.018	0.0	5.3	Cayman Ridge	NA	27	No
12/22/2019	2107 21.5	19.444	-78.022	46.8	4.1	Oriente Fracture Zone	NA	30	No