

Executive Summary of flood inundation report on 26th June 2020

National Remote Sensing Centre, Hyderabad is conducting near real time flood mapping project for Assam using Satellite data. Flood was reported in Assam during 26 June 2020 due to heavy incessant rainfall. NRSC has analyzed RADERSAT-2 SAR satellite data of 26 June 2020 and prepared a flood map for part of Assam. Copy of the flood layer is shared with North Eastern Space Applications Centre (NESAC) for Value added product. The flood layer is brought into GIS environment to generate detail flood inundation information district wise at village level. The administrative layers like district boundary, revenue circle, village boundary and thematic layer Land Use /Land Cover are utilized from Space Based Information support for Decentralized Planning (SIS-DP) project. On the date of data accusation **8,855** Villages were under flood inundation in **29** districts of Assam covering **1776.08** Ha. settlement areas and **201645.47** Ha. Agricultural land. Baksa, Bapeta, Biswanath, Bongaigaon, Cachar, Chareideo, Chirang Darrang, Dhemaji, Bibrugarh, Goalpara, Golaghat, Hailakandi, Hojai, Jorhat, Kamrup Metro, Kamrup Rural, Karbi Anglong West, KarbiAnglong Diphu, Karimganj, Lakhimpur, Majili, Morigaon, Nagaon, Nalbari, Sibsagar, Sunitpur, Tinsukia, and Udalguri, district were reported to be worst affected. Detail district wise flood inundation information can be summarized as below:

Sl. No.	District	RC	No. of village inundated	LULC	Inundated Area (Ha)	Total (Ha)
1	Baksa	Baganpara	20	Agriculture	320.50	383.9818
				Other	63.48	
		Baksa	32	Agriculture	434.39	581.7402
				Other	147.35	
		Barama	43	Agriculture	778.03	914.9315
				Other	136.90	
		Barnagar	50	Agriculture	1122.36	1335.306
				Other	212.94	
		Goreswar	66	Agriculture	1552.42	1715.401
				Built-Up	7.92	
				Other	155.06	
		Jalah	50	Agriculture	1120.22	1479.082
				Other	358.87	
		Sarupeta	59	Agriculture	1319.35	1825.964
				Built-Up	30.89	
				Other	475.73	
		Tamulpur	86	Agriculture	1672.33	1909.372
				Built-Up	2.38	
Other	234.66					
Tihu	21	Agriculture	472.69	603.81		
		Built-Up	39.69			
		Other	91.43			
2	Bapeta	Baghbor RC	49	Agriculture	1680.42	2045.569
				Built-Up	64.89	
				Other	300.27	
		Bajali RC	102	Agriculture	3009.56	3713.32

Sl. No.	District	RC	No. of village inundated	LULC	Inundated Area (Ha)	Total (Ha)
2	Bapeta	Bajali RC	102	Built-Up	1.94	3713.32
				Other	701.83	
		Barnagar (PT)	70	Agriculture	1127.23	1539.879
				Built-Up	3.41	
				Other	409.24	
		Barpeta RC	132	Agriculture	2346.82	3477.395
				Built-Up	13.91	
				Other	1116.66	
		Chengar RC	5	Agriculture	79.84	87.50285
				Other	7.66	
		Kalgachia RC	13	Agriculture	191.76	258.2758
				Other	66.52	
		Sarthebari RC	153	Agriculture	2704.33	3583.982
				Built-Up	17.10	
Other	862.55					
Sarupeta RC	94	Agriculture	2803.04	3493.227		
		Built-Up	20.08			
		Other	670.12			
3	Biswanath	Biswanath RC	184	Agriculture	4297.67	4908.125
				Built-Up	9.15	
				Other	601.30	
		Gohpur RC	111	Agriculture	3819.00	5821.814
				Built-Up	1.61	
				Other	2001.20	
Helem RC	104	Agriculture	5076.31	7358.147		
		Built-Up	7.25			
		Other	2274.59			
4	Bongaigaon	Bijni RC	46	Agriculture	1308.38	1742.798
				Other	434.41	
		Srijangram RC	13	Agriculture	328.25	407.6139
				Other	77.38	
5	Cachar	Katigora RC	156	Agriculture	4078.45	8047.34
				Built-Up	23.69	
				Other	3945.20	
		Lakhipur RC	20	Agriculture	215.77	340.9551
				Built-Up	1.90	
				Other	123.29	
		Silchar RC	88	Agriculture	1086.43	2285.314
				Built-Up	102.52	
				Other	1096.37	
		Sonai RC	66	Agriculture	703.18	1250.922
Built-Up	0.00					

Sl. No.	District	RC	No. of village inundated	LULC	Inundated Area (Ha)	Total (Ha)
5	Cachar	Udarbond RC	13	Other	547.74	200.2354
				Agriculture	106.40	
				Other	93.84	
6	Charaid eo	Mahmora RC	64	Agriculture	1501.81	1744.266
				Built-Up	3.84	
				Other	238.62	
7	Chirang	Bijni RC	19	Agriculture	254.82	454.5253
				Other	199.71	
8	Darrang	Dalgaon	69	Agriculture	424.11	665.8971
				Other	241.79	
		Kalaigaon	45	Agriculture	835.72	877.5299
				Built-Up	2.36	
				Other	39.45	
		Khoirabari	33	Agriculture	681.07	730.9988
				Other	49.93	
		Mangaldoi	73	Agriculture	1564.80	1992.792
				Built-Up	1.06	
				Other	426.94	
		Pathorighat	92	Agriculture	1223.82	2099.586
				Built-Up	19.12	
Other	856.64					
Sipajhar	80	Agriculture	1284.05	3259.795		
		Built-Up	14.29			
		Other	1961.45			
9	Dhamaji	Dhakuakhana (Part) RC	54	Agriculture	1570.32	1783.288
				Other	212.97	
		Dhemaji RC	194	Agriculture	4012.20	5668.094
				Built-Up	2.13	
				Other	1653.77	
		Jonai RC	162	Agriculture	3569.20	7321.917
				Built-Up	0.59	
				Other	3752.13	
		Sissibargaon RC	228	Agriculture	4745.48	8583.795
Built-Up	0.56					
Other	3837.75					
Subansiri (Part) RC	91	Agriculture	1165.92	2097.827		
		Other	931.90			
10	Dibrugarh	Chabua	73	Agriculture	2657.75	2711.359
				Built-Up	53.61	
				Other	2056.88	
		Dibrugarh East	190	Agriculture	1615.02	1661.291
				Built-Up	5.24	
				Other	41.03	

Sl. No.	District	RC	No. of village inundated	LULC	Inundated Area (Ha)	Total (Ha)
10	Dibrugarh	Dibrugarh West	125	Agriculture	4494.81	6546.424
				Built-Up	1.81	
				Other	2049.81	
		Moran	192	Agriculture	4592.36	5060.435
				Built-Up	9.16	
				Other	458.91	
		Naharkatia	67	Agriculture	2267.38	2702.266
				Other	434.88	
		Tengakhat	76	Agriculture	2480.98	2600
				Built-Up	13.00	
				Other	106.02	
		Tingkhang	85	Agriculture	1954.94	2224.438
Built-Up	2.65					
Other	266.85					
11	Goalpara	Dudhnai RC	5	Agriculture	14.08	24.07674
				Other	10.00	
		Matia RC	15	Agriculture	83.90	219.5293
				Other	135.63	
		Rangjuli RC	44	Agriculture	921.69	1553.249
				Other	631.56	
12	Golaghat	Boikakhat RC	64	Agriculture	2702.42	6914.942
				Built-Up	19.03	
				Other	4193.50	
		Dergaon RC	52	Agriculture	838.13	1318.667
				Built-Up	14.89	
				Other	465.65	
		Golaghat RC	49	Agriculture	818.14	954.5594
				Built-Up	1.29	
				Other	135.13	
		Khumtai RC	55	Agriculture	1202.17	1654.645
				Built-Up	9.47	
				Other	443.01	
		Morangi RC	11	Agriculture	143.87	163.6285
				Built-Up	2.33	
				Other	17.42	
		Sarupathar RC	22	Agriculture	660.86	849.4734
				Built-Up	5.19	
				Other	183.42	
13	Hailakandi	Algapur	65	Agriculture	625.77	2782.775
				Built-Up	23.39	
				Other	2133.62	
		Hailakandi	50	Agriculture	449.10	1212.552
				Built-Up	66.73	

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13	Hailakandi	Katlichara	8	Other	696.73	101.6773
				Agriculture	32.59	
				Other	69.08	
		Lala	35	Agriculture	312.72	559.0138
				Built-Up	4.67	
Other	241.62					
14	Hojai	Doboka RC	55	Agriculture	1683.76	2336.87
				Other	653.11	
		Hojai RC	50	Agriculture	745.52	1004.857
				Other	259.34	
		Lanka RC	75	Agriculture	2020.81	2745.077
				Built-Up	1.73	
Other	722.53					
15	Jorhat	Jorhat East RC	46	Agriculture	1036.03	2306.836
				Other	1270.80	
		Jorhat West RC	69	Agriculture	1346.54	2401.231
				Built-Up	31.77	
				Other	1022.93	
		Teok RC	45	Agriculture	2841.32	4114.427
				Built-Up	0.09	
				Other	1273.02	
Titabor RC	52	Agriculture	910.57	1117.788		
		Other	207.22			
16	Kamrup Metro	Azara	13	Agriculture	121.22	795.1255
				Built-Up	33.20	
				Other	640.71	
		Chandrapur	18	Agriculture	201.30	1421.414
				Built-Up	58.64	
				Other	1161.47	
		Dispur	7	Built-Up	64.72	206.5946
				Other	123.92	
		Guwahati	2	Other	17.95	17.95
		Sonapur	62	Agriculture	867.66	2985.609
Built-Up	28.27					
Other	2089.68					
17	Kamrup Rural	Boko RC	11	Agriculture	75.78	105.3689
				Other	29.59	
		Chamaria RC	32	Agriculture	475.84	634.4133
				Built-Up	8.80	
				Other	149.77	
		Chhaygaon RC	3	Agriculture	25.13	65.44635
				Other	40.32	
Goreswar	33	Agriculture	486.01	561.9773		

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17	Kamrup Rural	(PT) RC		Other	75.97	
		Goroimari RC	7	Agriculture	87.29	103.7612
				Other	16.47	
		Hajo RC	104	Agriculture	2901.06	4233.592
				Built-Up	26.48	
				Other	1306.06	
		Kamalpur RC	90	Agriculture	1358.82	1552.777
				Built-Up	11.24	
				Other	182.72	
		Koya RC	22	Agriculture	195.09	275.266
				Other	80.18	
		Nagarbera RC	28	Agriculture	452.42	1439.311
				Built-Up	7.00	
				Other	979.89	
		North Guwahati (PT) RC	24	Agriculture	234.67	504.8908
				Built-Up	38.75	
Other	231.47					
Palashbari RC	40	Agriculture	490.56	893.9289		
		Built-Up	1.86			
		Other	401.51			
Rangia RC	63	Agriculture	1019.55	1209.517		
		Built-Up	3.45			
		Other	186.52			
18	Karbi Anglong West	Donka RC	6	Agriculture	953.06	1087.616
				Other	134.55	
19	Karbi Anglong Diphu	Diphu RC	3	Agriculture	51.56	90.06211
				Other	38.50	
		Phuloni RC	2	Agriculture	3901.13	4406.645
				Other	505.52	
20	Karimganj	Badarpur RC	43	Agriculture	215.73	1489.352
				Built-Up	35.01	
				Other	1238.61	
		Karimganj RC	98	Agriculture	1011.13	2148.398
				Built-Up	172.76	
				Other	964.50	
		Nilambazar RC	126	Agriculture	1442.13	3936.033
				Built-Up	192.25	
				Other	2301.65	
		Patharkandi RC	28	Agriculture	259.87	809.7526
				Built-Up	25.15	
				Other	524.72	
Ramkrishna Nagar RC	65	Agriculture	557.39	2759.459		
		Built-Up	22.64			

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20	Karimganj	Ramkrishna Nagar RC	65	Other	2179.42	2759.459
21	Lakhimpur	Bihpuria	106	Agriculture	2665.59	3915.248
				Built-Up	1.61	
				Other	1248.05	
		Dhakuakhana	127	Agriculture	1799.31	3109.962
				Other	1310.65	
		Kadam	21	Agriculture	195.03	316.4064
				Built-Up	0.51	
				Other	120.87	
		Naobaicha	38	Agriculture	442.10	764.1568
				Other	322.06	
		Narayanpur	158	Agriculture	3370.68	4281.633
				Built-Up	1.52	
				Other	909.43	
		North Lakhimpur	150	Agriculture	3344.53	4642.614
				Other	1298.08	
Subansiri(Part)	87	Agriculture	1053.32	2589.943		
		Built-Up	1.75			
		Other	1534.87			
22	Majuli	Majuli RC	142	Agriculture	4587.85	7390.296
				Built-Up	20.54	
				Other	2781.91	
23	Morigaon	Bhuragaon	52	Agriculture	1138.33	2263.806
				Other	1125.48	
		Laharighat	26	Agriculture	629.12	680.6371
				Other	51.52	
		Marigaon	137	Agriculture	3540.31	4916.585
				Built-Up	49.01	
				Other	1327.26	
		Mayong	141	Agriculture	10351.58	14949.6
				Built-Up	35.29	
				Other	4562.73	
Mikirbheta	54	Agriculture	595.82	644.0073		
		Other	48.19			
24	Nagaon	Dhing RC	44	Agriculture	605.73	811.3726
				Built-Up	2.67	
				Other	202.97	
		Kalibor RC	56	Agriculture	1024.71	3467.06
				Built-Up	25.74	
				Other	2416.60	
		Kampur RC	65	Agriculture	1018.89	1484.638
				Other	465.75	
		Nagaon RC	68	Agriculture	1164.48	1289.852

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24	Nagaon	Nagaon RC		Built-Up	0.80	1561.906
				Other	124.57	
		Raha RC	82	Agriculture	1108.89	
				Other	453.02	
		Rupahi RC	20	Agriculture	88.59	
				Other	277.71	
		Samaguri RC	45	Agriculture	431.63	
				Other	114.99	
25	Nalbari	Baganpara(PT) RC	4	Agriculture	50.01	60.29669
				Other	10.29	
		Barama(PT) RC	10	Agriculture	101.22	
				Other	21.27	
		Barbhag RC	45	Agriculture	308.19	
				Other	161.37	
		Barkhetri RC	74	Agriculture	712.07	
				Other	654.35	
		Ghograpar (PT) RC	83	Agriculture	1245.84	
				Other	190.44	
		Nalbari RC	46	Agriculture	356.69	
				Built-Up	0.00	
				Other	54.49	
		Pachim Nalbari RC	57	Agriculture	1437.11	
				Other	408.53	
		Tihu(PT) RC	64	Agriculture	1547.25	
Built-Up	61.66					
Other	564.84					
26	Sibsagar	Amguri RC	22	Agriculture	702.64	1300.001
				Built-Up	9.09	
				Other	588.27	
		Dimow RC	150	Agriculture	7081.84	
				Built-Up	27.28	
				Other	4395.59	
		Nazira RC	5	Agriculture	44.16	
				Other	3.76	
Sibsagar RC	112	Agriculture	6610.18			
		Built-Up	11.78			
		Other	2150.79			
27	Sonitpur	Chariduar RC	78	Agriculture	1621.01	1882.861
				Built-Up	16.00	
				Other	245.85	
		Dhekiajuli RC	169	Agriculture	2920.82	
				Built-Up	12.00	
				Other	1183.66	

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27	Sonitpur	Na-Duar RC	139	Agriculture	4059.63	5350.558
				Built-Up	12.49	
				Other	1278.44	
		Tezpur RC	58	Agriculture	1068.22	3411.806
				Built-Up	4.15	
				Other	2339.44	
28	Tinsukia	Doomdooma RC	4	Agriculture	17.46	31.94571
				Built-Up	0.04	
				Other	14.45	
		Margherita RC	2	Agriculture	0.11	0.312076
				Other	0.20	
		Sadiya RC	42	Agriculture	569.40	1208.572
				Built-Up	35.83	
				Other	603.34	
		Tinsukia RC	86	Agriculture	3389.37	3751.713
				Built-Up	51.83	
				Other	310.51	
		29	Udalguri	Dalgaon (PT) RC	24	Agriculture
Other	20.58					
Dhekiajuli (PT) RC	16			Agriculture	159.09	164.5788
				Other	5.48	
Harisinga RC	16			Agriculture	113.26	118.1868
				Other	4.92	
Kalaigaon RC	73			Agriculture	1165.84	1209.863
				Built-Up	1.75	
				Other	42.27	
Khoirabari RC	73			Agriculture	1260.12	1387.763
				Built-Up	2.19	
				Other	125.45	
Mangaldoi (PT) RC	19			Agriculture	570.00	571.7817
				Other	1.78	
Udalguri RC	110			Agriculture	1317.25	1393.809
				Built-Up	0.01	
				Other	76.55	

