

Executive Summary of flood inundation report on 24th 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 24 June 2020 due to heavy incessant rainfall. NRSC has analyzed RADERSAT-2 SAR satellite data of 24 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 **473** Villages were under flood inundation in **6** districts of Assam covering **172.77**Ha. settlement areas and **9793.23** Ha. Agricultural land. Dhubri, Goalpara, Kamrup Metro, Kamrup Rural, Morigaon, and Salmara Mancachar, 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	Dhubri	Bilasipara (PT) RC	1	Agriculture	1.29	3.17
				Other	1.87	
		Dhubri (PT) RC	86	Agriculture	663.61	1579.55
				Built-Up	52.99	
				Other	862.95	
		Golokganj (PT) RC	12	Agriculture	16.41	78.01
Other	61.60					
2	Goalpara	Balijana RC	14	Agriculture	33.38	116.97
				Built-Up	1.79	
				Other	81.80	
		Dudhnai RC	3	Agriculture	3.21	3.21
		Lakhipur RC	35	Agriculture	154.47	903.13
				Built-Up	42.73	
				Other	705.93	
		Matia RC	23	Agriculture	214.42	1062.58
				Other	848.16	
		Rangjuli RC	17	Agriculture	279.28	569.42
Other	290.14					
3	Kamrup Metro	Chandrapur	13	Agriculture	66.97	764.90
				Built-Up	26.25	
				Other	671.68	
		Sonapur	45	Agriculture	482.12	1139.23
				Built-Up	1.91	
				Other	655.20	
4	Kamrup Rural	Boko RC	6	Agriculture	10.60	11.57
				Other	0.97	11.57

Sl. No.	District	RC	No. of village inundated	LULC	Inundated Area (Ha)	Total (Ha)
4	Kamrup Rural	Chamaria RC	30	Agriculture	754.83	1056.61
				Built-Up	23.33	
				Other	278.45	
		Chhaygaon RC	4	Agriculture	14.30	23.18
				Other	8.88	
		Goroimari RC	8	Agriculture	42.50	119.64
				Other	77.14	
		Nagarbera RC	20	Agriculture	1155.24	2280.17
				Built-Up	12.42	
Other	1112.50					
5	Morigaon	Bhuragaon	35	Agriculture	175.96	473.95
				Other	297.99	
		Marigaon	3	Agriculture	4.28	9.87
				Other	5.59	
		Mayong	107	Agriculture	5687.53	8504.24
				Built-Up	8.81	
Other	2807.90					
6	Salmara Mancachar	Mankachar RC	4	Agriculture	18.48	77.70
				Other	59.22	
		South Salmara RC	7	Agriculture	32.83	80.36
				Built-Up	2.54	
				Other	45.00	