

Analysis type	Property	Large lakes	Small lakes	Total/overall
Sentinel-2	Number of drainage events	45	48	93
	Percentage of total lakes	7.5	8.0	15.5
	Mean drainage date (DoY) $\pm$ mean precision	$193.4 \pm 1.8$	$188.2 \pm 1.6$	$190.7 \pm 1.7$
	Minimum drainage volume ( $10^5 \text{ m}^3$ )	0.020	0.006	0.006
	Maximum drainage volume ( $10^5 \text{ m}^3$ )	90.1	2.1	90.1
	Mean drainage volume ( $10^5 \text{ m}^3$ )	7.5	0.2	3.7
	Median drainage volume ( $10^5 \text{ m}^3$ )	1.3	0.2	0.3
	Total drainage volume ( $10^5 \text{ m}^3$ )	337.3	11.7	349.0
Landsat 8	Number of drainage events	30	36	66
	Percentage of total lakes	6.6	7.9	14.6
	Mean drainage date (DoY) $\pm$ mean precision	$196.8 \pm 0.6$	$190.5 \pm 0.5$	$193.4 \pm 0.5$
	Minimum drainage volume ( $10^5 \text{ m}^3$ )	0.100	0.050	0.050
	Maximum drainage volume ( $10^5 \text{ m}^3$ )	19.8	1.1	19.8
	Mean drainage volume ( $10^5 \text{ m}^3$ )	4.2	0.4	2.1
	Median drainage volume ( $10^5 \text{ m}^3$ )	1.6	0.4	0.6
	Total drainage volume ( $10^5 \text{ m}^3$ )	126.8	14.1	140.9
Dual Sentinel-2 and Landsat 8	Number of drainage events	79	105	184
	Percentage of total lakes	11.4	15.2	26.7
	Mean drainage date (DoY) $\pm$ mean precision	$193.1 \pm 1.1$	$190.1 \pm 1.0$	$191.4 \pm 1.1$
	Minimum drainage volume ( $10^5 \text{ m}^3$ )	0.006	0.007	0.006
	Maximum drainage volume ( $10^5 \text{ m}^3$ )	91.0	1.6	91.0
	Mean drainage volume ( $10^5 \text{ m}^3$ )	7.4	0.3	3.4
	Median drainage volume ( $10^5 \text{ m}^3$ )	1.8	0.2	3.9
	Total drainage volume ( $10^5 \text{ m}^3$ )	586.1	31.2	617.3