

Accuracy Assessment

Table S1. Producer's Accuracy (PA) and User's Accuracy (UA) results for 2014 classifications for all LULC classes using RF, NL and SVM algorithms.

Year	LULC	RF		ML		SVM	
		UA (%)	PA (%)	UA (%)	PA (%)	UA (%)	PA (%)
1994	Bare soil	93.47	78.18	89.13	74.54	80.39	74.54
	Rainfed crops	88.7	100	56.66	92.72	63.26	56.36
	Irrigated crops	83.07	98.18	75.0	98.18	68.83	96.36
	Grassland	83.33	100	77.5	56.36	71.79	50.90
	<i>Dichrostachys cinerea</i>	93.87	83.63	86.48	58.18	83.78	56.36
	Mangrove	100	100	93.22	100	96.49	100
	Flood-prone areas	80.88	100	64.1	90.9	47.52	87.27
	Infrastructure	100	58.18	100	30.9	94.11	29.09
	Woodland	94.54	94.54	81.48	80.0	82.81	96.36
	Water	100	96.36	96.49	100	94.82	100

Table S2. Producer's Accuracy (PA) and User's Accuracy (UA) results for 2022 classifications for all LULC classes using RF, NL and SVM algorithms.

Year	LULC	RF		ML		SVM	
		UA (%)	PA (%)	UA (%)	PA (%)	UA (%)	PA (%)
2022	Bare soil	96.42	98.18	71.83	92.72	89.09	75.38
	Rainfed crops	96.49	100	82.0	74.54	71.42	36.36
	Irrigated crops	84.61	100	75.0	76.36	71.15	67.27
	Grassland	100	90.9	56.38	96.36	41.6	94.5
	<i>Dichrostachys cinerea</i>	96.42	98.18	74.57	80.0	80.0	64.7

	Mangrove	100	98.18	87.09	98.18	89.83	96.36
	Flood-prone areas	90.69	70.9	80.48	60.0	75.0	60.0
	Infrastructure	90.0	98.18	88.88	43.63	100	36.36
	Woodland	98.14	96.36	86.11	56.36	88.23	54.54
	Water	100	100	100	98.18	98.18	98.18

Table S3: Confusion matrix obtained from the validation of the classification carried out with the RF algorithm in 1994 in the province of Ciego de Ávila.

[illegible]

Table S4: Confusion matrix obtained from the validation of the classification carried out with the ML algorithm in 1994 in the province of Ciego de Ávila.

[illegible]

Table S5: Confusion matrix obtained from the validation of the classification carried out with the SVM algorithm in 1994 in the province of Ciego de Ávila.

[illegible]

Table S8: Confusion matrix obtained from the validation of the classification carried out with the SVM algorithm in 2022 in the province of Ciego de Ávila.

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