

Fig. S1 Land-use transitions in Johor from 2010 to 2015

Map showing 20 types of land-use transitions identified during the 2010–2015 period. Transitions involving forest, plantation, idle land, settlement, and water bodies are highlighted, with each type assigned a unique color. Maps were generated in TerrSet Land Change Modeler Vers. 2020 (<https://www.clarku.edu/centers/geospatial-analytics/terrset/>).

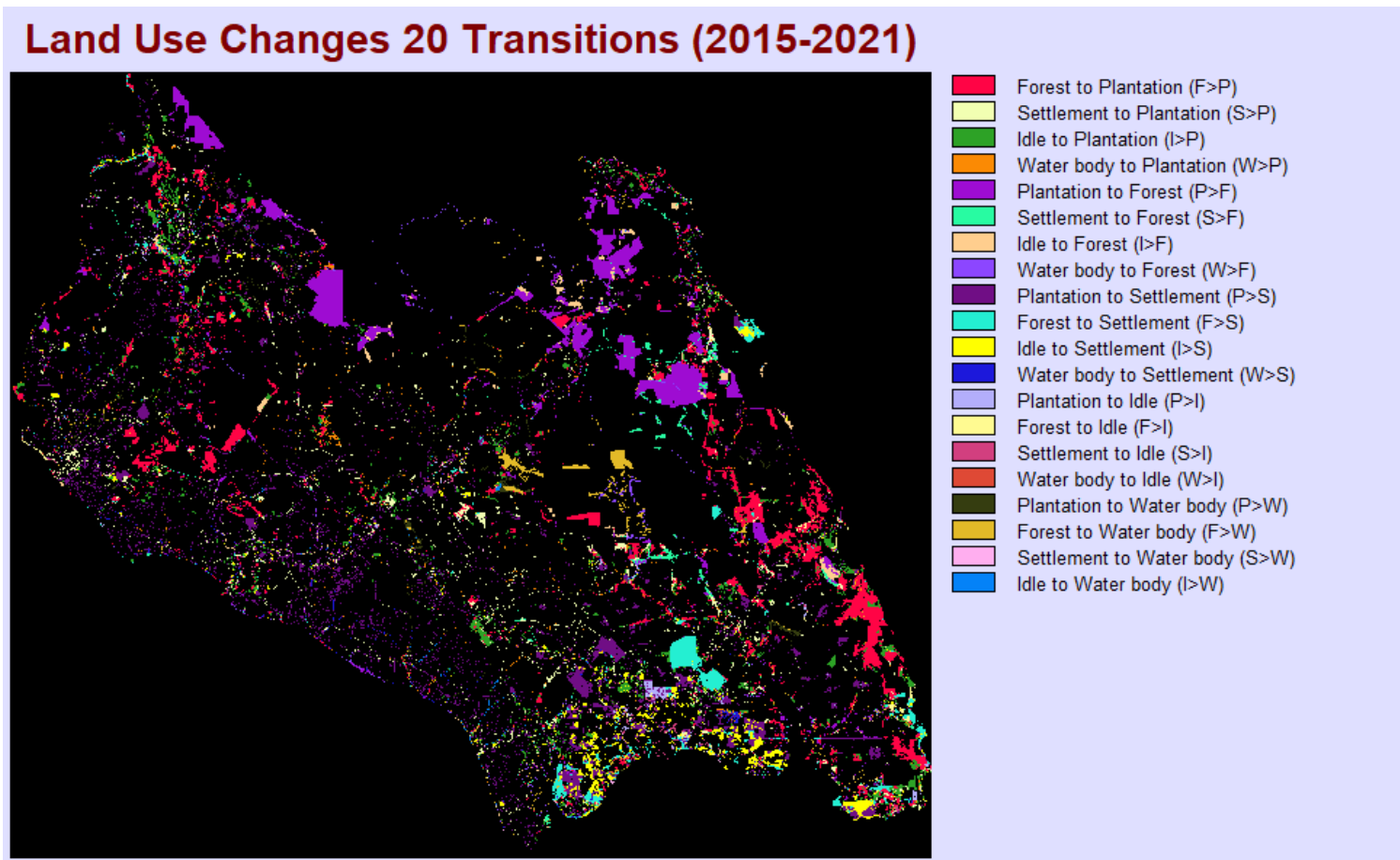


Fig. S2 Land-use transitions in Johor from 2015 to 2021

Map displaying 20 classified land-use transitions that occurred between 2015 and 2021. Transitions involving forest, plantation, idle land, settlement, and water bodies are highlighted, with each type assigned a unique color. Maps were generated in TerrSet Land Change Modeler Vers. 2020 (<https://www.clarku.edu/centers/geospatial-analytics/terrset/>).

Table S1

Land-use transition areas across two timeframes: 2010–2015 and 2015–2021 showing a summary of the land area (km²) that underwent specific land-use transitions between five major categories: Forest (F), Plantation (P), Idle land (I), Settlement (S), and Water bodies (W). Data are presented for two consecutive periods to illustrate temporal changes in landscape transformation.

Land transition types	Land use transition area (km ²) over two timeframes	
	2010-2015	2015-2021
F>P	429	663.975
F>I	82.81	22.815
F>W	19.37	108.485
F>S	34.775	181.805
W>S	5.33	27.625
W>P	16.9	53.3
W>I	6.305	1.625
W>F	17.03	47.32
S>W	4.095	6.175
S>P	86.255	224.12
S>I	35.295	31.33
S>F	18.46	58.11
P>W	15.925	76.635
P>S	131.04	681.85
P>I	181.09	37.375
P>F	76.895	569.465
I>W	3.185	16.575
I>S	52.845	190.71
I>P	201.305	299.455
I>F	68.705	73.84