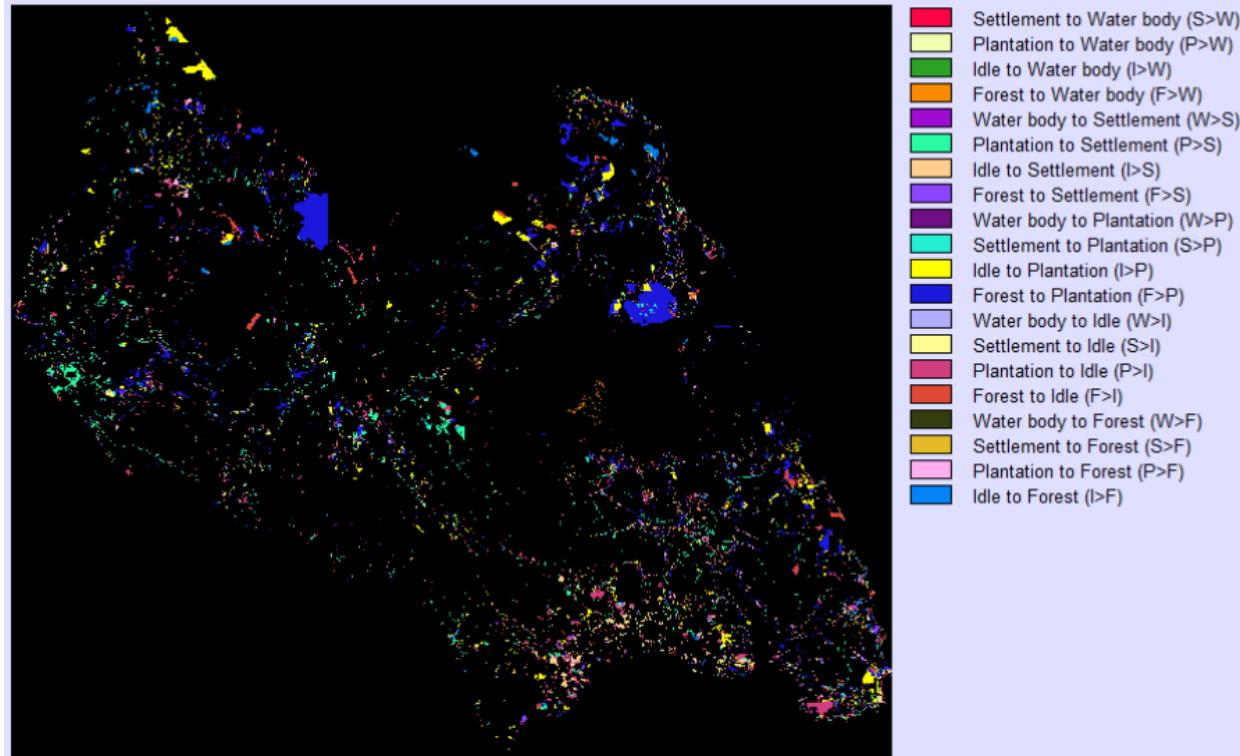


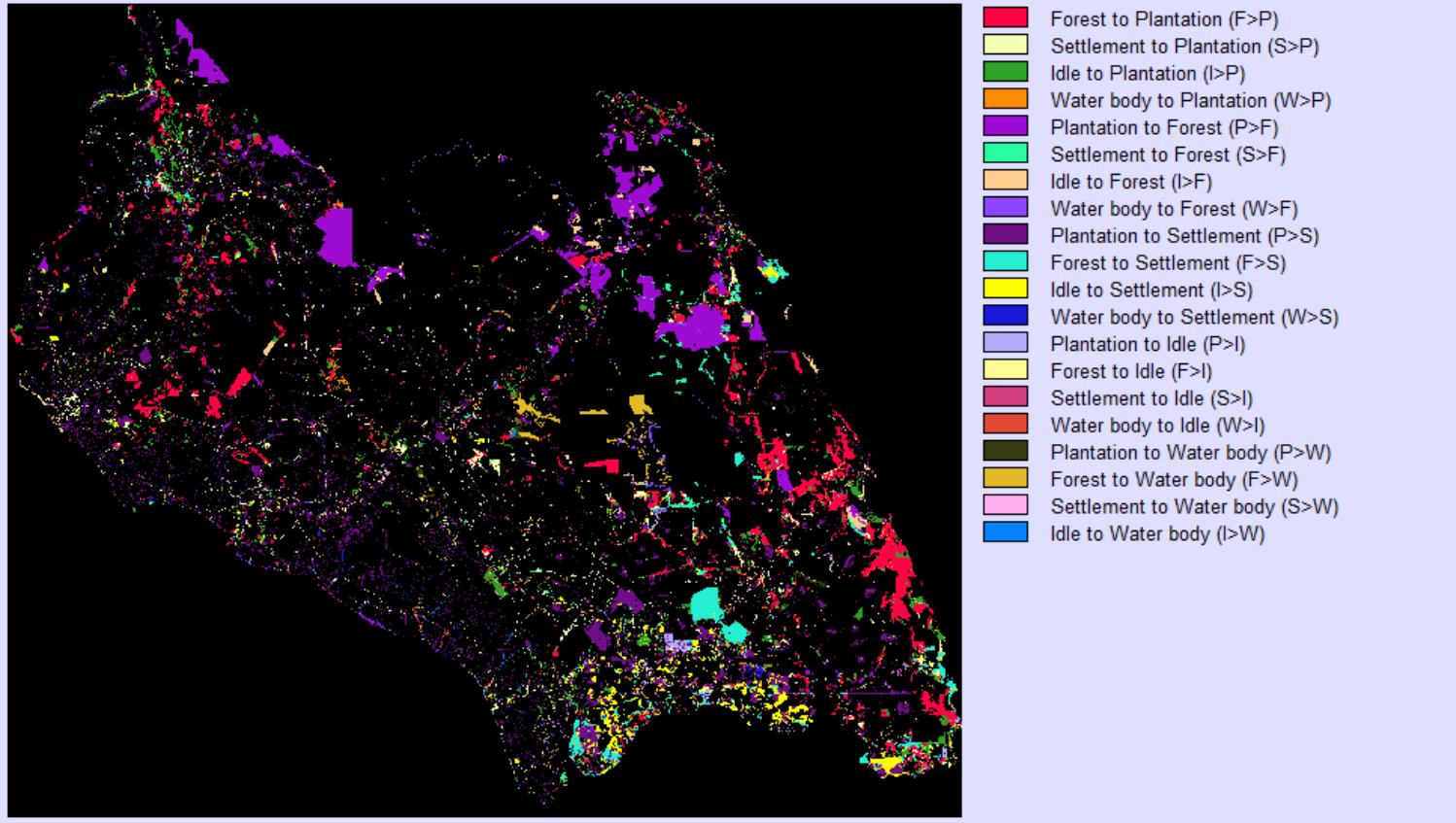
## Land Use Changes 20 Transitions (2010-2015)



**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/>).

## Land Use Changes 20 Transitions (2015-2021)



**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 (km<sup>2</sup>) 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.

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