

Supplemental Data

Land cover data used in this study can be found on <https://rlcms-servir.adpc.net/en/landcover/>.

Table 1: Landcover area estimatations (km²) for Viet Nam.

Year	Aquaculture	Cropland	Forest	Mangrove	Plantations	Rice	Urban	Water
1990	8,094.5	33,792.1	159,009.6	1,490.8	54,040.2	46,123.6	8,774.8	7,667.0
1995	8,346.4	34,617.0	154,915.1	1,453.9	56,539.3	46,675.8	9,225.0	7,740.7
2000	8,735.2	36,321.5	146,017.1	1,440.6	62,329.0	46,555.4	10,080.9	7,937.8
2005	9,159.0	38,751.8	141,480.2	1,340.0	62,909.3	46,409.8	11,009.9	7,918.3
2010	9,242.2	37,471.5	140,411.5	1,280.1	64,877.1	46,330.7	11,412.2	7,970.7
2015	9,255.6	37,203.0	139,702.6	1,264.6	65,478.4	46,256.8	11,490.2	7,974.8
2017	9,255.7	37,201.1	139,713.4	1,264.5	65,452.1	46,258.8	11,490.3	7,974.4

Table 2: Landcover area estimations (km²) for Ca Mau.

Year	Aquaculture	Mangrove	Plantations	Rice	Urban	Water
1990	2,446.5	707.4	47.8	1,043.6	30.4	127.9
1995	2,602.7	681.6	47.8	1,024.5	35.4	135.2
2000	2,729.5	679.0	46.0	981.6	43.4	141.1
2005	2,890.4	634.6	47.5	977.8	48.2	149.2
2010	2,920.6	604.3	49.7	980.4	49.1	151.7
2015	2,924.7	602.1	50.4	982.9	49.2	152.3
2017	2,924.6	602.0	50.4	982.9	49.2	152.3

Table 3: Landcover area estimations (km²) for Lam Dong.

Year	Cropland	Forest	Plantations	Urban	Water
1990	655.1	7,817.2	1,092.7	104.3	89.1
1995	687.7	7,685.7	1,153.7	111.1	94.0
2000	694.4	7,482.7	1,288.7	121.5	105.1
2005	696.7	7,487.0	1,276.4	126.5	107.0
2010	683.4	7,455.6	1,309.6	128.3	110.3
2015	680.5	7,449.4	1,314.8	128.5	111.6
2017	680.5	7,458.3	1,312.1	128.4	111.5

Table 4: Landcover area estimations (km²) for Dak Lak.

year	Cropland	Forest	Plantations	Urban	Water
1990	1,506.4	10,688.5	969.2	51.6	76.1
1995	2,115.9	9,975.5	1008.8	64.8	78.8
2000	2,867.3	8,681.7	1330.5	95.9	97.0
2005	3,431.0	8,028.2	1380.8	107.8	102.4
2010	3,487.0	7,881.6	1454.5	113.0	104.3
2015	3,560.5	7,769.0	1472.7	114.5	103.6
2017	3,560.2	7,771.9	1472.1	114.5	103.6

Table 5: Landcover area estimations (km²) for Nghe An.

Year	Aquaculture	Cropland	Forest	Plantations	Rice	Urban	Water
1990	71.0	1,609.1	9,892.6	2,719.4	1,518.5	363.8	222.1
1995	71.9	1,616.7	9,883.9	2,705.7	1,536.6	375.0	219.5
2000	74.1	1,620.9	10,032.3	2,562.8	1,545.0	403.3	222.6
2005	73.6	1,632.4	10,063.8	2,517.6	1,518.6	433.1	223.3
2010	74.3	1,576.9	10,008.7	2,593.0	1,529.1	448.5	223.6
2015	74.2	1,576.9	9,990.9	2,602.2	1,519.9	452.4	223.2
2017	74.2	1,576.8	9,992.8	2,601.0	1,519.9	452.4	223.3

Table 6: Landcover area estimations (km²) for Nam Dinh.

Year	Aquaculture	Mangrove	Rice	Urban	Water
1990	90.4	18.4	1,359.2	62.2	80.7
1995	91.0	18.3	1,344.5	78.0	78.8
2000	91.7	18.1	1,305.9	116.2	78.5
2005	92.5	17.5	1,277.0	144.9	78.5
2010	94.6	16.9	1,260.8	159.3	78.7
2015	95.2	16.8	1,257.0	162.4	78.7
2017	95.2	16.8	1,257.0	162.4	78.7