

Appendices

Appendix 1: Vegetation types from INEGI's Series III, IV and V included in the definition of temperate forests and tropical forests.

Temperate Forests	
INEGI's CVE_UNION code	Description
BA	Bosque de Oyamel
BB	Bosque de Cedro
BC	Bosque Cultivado
BG	Bosque de Galeria
BI	Bosque inducido
BJ	Bosque de Tascate
BM	Bosque Mesofilo de Montana
BP	Bosque de Pino
BPQ	Bosque de Pino-Encino
BQ	Bosque de Encino
BQP	Bosque de Encino-Pino
BS	Bosque de Ayarin
Tropical Forests	
SAP	Selva Alta Perennifolia
SAQ	Selva Alta Subperennifolia
SBC	Selva Baja Caducifolia
SBK	Selva Baja Espinosa
SBP	Selva Baja Perennifolia
SBQ	Selva Baja Subperennifolia
SBS	Selva Baja Subcaducifolia
SG	Selva de Galeria
SMC	Selva Mediana Caducifolia
SMP	Selva Mediana Perennifolia
SMQ	Selva Mediana Subperennifolia

SMS	Selva Mediana Subcaducifolia
VSA/PT	Vegetacion Secundaria de Selvas Arborea/Vegetacion de Peten
VSA/SAP	Vegetacion Secundaria de Selvas Arborea/Selva Alta Perennifolia
VSA/SAQ	Vegetacion Secundaria de Selvas Arborea/Selva Alta Subperennifolia
VSA/SBK	Vegetacion Secundaria de Selvas Arborea/Selva Baja Espinosa
VSA/SBQ	Vegetacion Secundaria de Selvas Arborea/Selva Baja Subperennifolia
VSA/SG	Vegetacion Secundaria de Selvas Arborea/Selva de Galeria
VSA/SMQ	Vegetacion Secundaria de Selvas Arborea/Selva Mediana Subperennifolia
VSA/SMS	Vegetacion Secundaria de Selvas Arborea/Selva Mediana Subcaducifolia
VSA/BS	Vegetacion Secundaria de Selvas Arborea/Bosque de Ayarin

Appendix 2: Fragmentation classes transition matrices for tropical and temperate forests in the 2002-2008 period without differentiating between internal and external classes.

Table 1 appendix 2. Fragmentation classes transition matrices for tropical forest in the 2002-2008 period without differentiating between internal and external classes.

Fragmentation classes transition matrix tropical forests 2002-2008													
		% Changed to each 2008 fragmentation class											
Fragmentation Class in 2002	Area in 2002 (ha)	Non-forest	Branch	Edge	Perforation	Islet	Core	Bridge	Bridge in Edge	Bridge in Perforation	Loop	Loop in Edge	Loop in Perforation
Branch	781,794	25	59	8	1	1	4	2	1	0	1	0	0
Edge	3,108,631	17	3	68	2	0	9	1	1	0	0	0	0
Perforation	531,331	13	2	12	53	0	18	0	0	0	0	0	0
Islet	67,088	26	9	4	0	57	1	1	0	0	1	0	0
Core	13,240,831	7	0	3	1	0	89	0	0	0	0	0	0
Bridge	137,556	21	9	7	0	0	6	51	3	0	2	0	0
Bridge in Edge	113,981	17	4	15	0	0	11	5	45	0	0	1	0
Bridge in Perforation	1,425	8	4	5	12	0	16	6	10	30	2	1	6
Loop	46,131	22	11	7	1	1	5	9	1	0	42	2	0
Loop in Edge	32,150	16	3	18	2	0	10	2	8	0	2	37	2
Loop in Perforation	9,344	13	2	5	13	0	11	2	3	1	4	10	36

Table 2 appendix 2. Fragmentation classes transition matrices for temperate forest in the 2002-2008 period without differentiating between internal and external classes.

Fragmentation classes transition matrix temperate forests 2002-2008													
		% Changed to each 2008 fragmentation class											
Fragmentation Class 2002	Area in 2002 (ha)	Non-forest	Branch	Edge	Perforation	Islet	Core	Bridge	Bridge in Edge	Bridge in Perforation	Loop	Loop in Edge	Loop in Perforation
Branch	1,234,488	16	76	4	0	1	2	1	0	0	0	0	0
Edge	4,074,182	12	2	80	0	0	5	0	0	0	0	0	0
Perforation	602,025	13	2	13	63	0	8	0	0	0	0	0	0
Islet	134,444	12	3	2	0	81	1	0	0	0	0	0	0
Core	15,549,201	5	0	3	1	0	91	0	0	0	0	0	0
Bridge	223,613	12	5	4	0	0	3	73	2	0	1	0	0
Bridge in Edge	167,731	10	2	8	0	0	6	3	69	0	0	1	0
Bridge in Perforation	3,269	16	2	7	6	0	7	2	9	47	1	0	3
Loop	76,556	14	5	4	1	0	2	5	1	0	67	1	0
Loop in Edge	42,394	11	2	10	1	0	5	1	3	0	1	65	0
Loop in Perforation	18,550	12	2	4	10	0	7	1	2	1	3	7	50

Appendix 3: Fragmentation classes transition matrix tropical and temperate forests in the 2008-2013 period without differentiating between internal and external classes.

Table 1 appendix 3. Fragmentation classes transition matrices for tropical forest in the 2008-2013 period without differentiating between internal and external classes.

Fragmentation classes transition matrix tropical forests 2008-2013													
		% Changed to each 2013 fragmentation class											
Fragmentation Class 2008	Area in 2008 (ha)	Non-forest	Branch	Edge	Perforation	Islet	Core	Bridge	Bridge in Edge	Bridge in Perforation	Loop	Loop in Edge	Loop in Perforation
Branch	827,375	6	89	2	0	0	2	1	0	0	0	0	0
Edge	3,087,438	4	1	89	1	0	4	0	0	0	0	0	0
Perforation	529,050	8	1	10	62	0	17	0	0	0	0	0	0
Islet	80,475	10	4	2	0	82	1	0	0	0	0	0	0
Core	13,030,538	3	0	1	1	0	95	0	0	0	0	0	0
Bridge	163,400	5	3	3	1	0	2	84	1	0	2	0	0
Bridge in Edge	130,438	4	1	5	1	0	3	2	83	0	0	1	0
Bridge in Perforation	2,744	8	3	2	8	0	8	4	18	41	1	1	6
Loop	56,825	8	3	3	2	0	3	4	0	0	75	1	0
Loop in Edge	37,013	4	1	5	1	0	4	1	5	0	1	76	1
Loop in Perforation	12,613	6	1	3	7	0	10	0	2	1	2	9	58

Table 2 appendix 3. Fragmentation classes transition matrices for temperate forests in the 2008-2013 period without differentiating between internal and external classes.

Fragmentation classes transition matrix temperate forests 2008-2013													
		% Changed to each 2013 fragmentation class											
Fragmentation Class 2008	Area in 2008 (ha)	Non-forest	Branch	Edge	Perforation	Islet	Core	Bridge	Bridge in Edge	Bridge in Perforation	Loop	Loop in Edge	Loop in Perforation
Branch	1,217,513	1	98	1	0	0	0	0	0	0	0	0	0
Edge	4,117,194	1	0	98	0	0	1	0	0	0	0	0	0
Perforation	511,944	1	0	3	94	0	2	0	0	0	0	0	0
Islet	138,550	3	1	0	0	95	0	0	0	0	0	0	0
Core	14,686,731	0	0	0	0	0	99	0	0	0	0	0	0
Bridge	225,575	1	1	1	0	0	1	96	0	0	0	0	0
Bridge in Edge	170,938	1	0	2	0	0	1	0	96	0	0	0	0
Bridge in Perforation	3,025	0	0	0	1	0	3	0	6	89	0	0	1
Loop	83,356	1	1	2	0	0	1	1	0	0	94	0	0
Loop in Edge	49,019	1	0	3	0	0	2	0	1	0	0	93	0
Loop in Perforation	18,194	1	0	0	2	0	4	0	0	0	1	3	89

Appendix 4. Fragmentation classes transition matrix tropical and temperate forests in the 2002-2008 period differentiating between internal and external fragmentation classes.

Table 1 appendix 4. Fragmentation classes transition matrix tropical forests in the 2002-2008 period differentiating between internal and external fragmentation classes.

Fragmentation classes transition matrix tropical forests 2002-2008																					
		% Changed to each 2008 fragmentation class																			
		External Classes										Internal Classes									
Fragmentation Class 2002	Area 2002 (ha)	Non-forest	Branch	Edge	Islet	Core	Bridge	Bridge in Edge	Loop	Loop in Edge	Branch	Edge	Perforation	Islet	Core	Bridge	Bridge in Edge	Bridge in Perforation	Loop	Loop in Edge	Loop in Perforation
External Branch	742,894	25	58	8	1	3	2	1	1	0	1	0	0	0	0	0	0	0	0	0	0
External Edge	3,085,494	17	3	68	0	9	1	1	0	0	0	0	2	0	0	0	0	0	0	0	0
External Islet	66,313	26	9	4	57	1	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0
External Core	13,217,810	7	0	3	0	88	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0
External Bridge	133,350	22	9	7	0	5	51	3	2	0	0	0	0	0	0	0	0	0	0	0	0
External Bridge in Edge	111,344	18	4	15	0	11	5	45	0	1	0	0	0	0	0	0	0	0	0	0	0
External Loop	39,013	23	11	7	1	5	9	1	38	2	0	0	1	0	0	0	0	0	2	0	0
External Loop in Edge	32,038	16	3	18	0	10	2	8	2	37	0	0	2	0	0	0	0	0	0	0	2
Internal Branch	38,900	19	12	2	0	12	0	0	0	0	45	1	5	0	0	1	0	0	1	0	0
Internal Edge	23,138	13	1	13	0	26	0	0	0	0	3	33	7	0	2	1	1	0	0	0	0
Internal Perforation	531,331	13	1	12	0	18	0	0	0	0	1	1	53	0	0	0	0	0	0	0	0
Internal Islet	775	26	0	0	12	0	0	0	0	0	5	0	0	52	0	0	0	0	5	0	0
Internal Core	23,019	13	0	2	0	52	0	0	0	0	1	2	2	0	27	1	1	0	0	0	0
Internal Bridge	4,206	14	1	1	0	14	7	0	1	0	6	1	3	0	1	41	2	1	5	0	1
Internal Bridge in Edge	2,638	8	0	4	0	18	1	7	0	0	5	7	5	0	5	4	31	1	1	0	2

Internal Bridge in Perforation	1,425	8	1	4	0	14	2	7	0	1	3	1	12	0	1	4	3	30	2	0	6
Internal Loop	7,119	17	2	3	0	5	3	1	10	1	7	0	5	0	0	2	0	0	41	0	1
Internal Loop in Edge	113	33	0	0	0	0	6	0	0	0	6	0	6	0	0	0	0	0	11	33	6
Internal Loop in Perforation	9,344	13	1	5	0	11	1	2	1	10	2	0	13	0	0	1	0	1	3	0	36

Table 2 appendix 4. Fragmentation classes transition matrix temperate forests in the 2002-2008 period differentiating between internal and external fragmentation classes.

Fragmentation classes transition matrix temperate forests 2002-2008																					
		% Changed to each 2008 fragmentation class																			
		External Classes										Internal Classes									
Fragmentation Class 2002	Area 2002 (ha)	Non-forest	Branch	Edge	Islet	Core	Bridge	Bridge in Edge	Loop	Loop in Edge	Branch	Edge	Perforation	Islet	Core	Bridge	Bridge in Edge	Bridge in Perforation	Loop	Loop in Edge	Loop in Perforation
External Branch	1,171,469	15	77	5	1	2	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
External Edge	4,046,650	11	2	80	0	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
External Islet	132,863	12	3	2	81	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
External Core	15,526,460	5	0	3	0	91	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0
External Bridge	213,194	11	5	4	0	3	74	2	1	0	0	0	0	0	0	0	0	0	0	0	0
External Bridge in Edge	161,906	10	2	8	0	6	3	70	0	1	0	0	0	0	0	0	0	0	0	0	0
External Loop	59,050	12	5	4	0	2	5	1	70	1	0	0	0	0	0	0	0	0	0	0	0
External Loop in Edge	42,269	11	2	10	0	5	1	3	1	65	0	0	1	0	0	0	0	0	0	0	0
Internal Branch	63,019	25	10	3	0	2	0	0	0	0	52	1	3	0	0	0	0	0	1	0	0
Internal Edge	27,531	25	2	15	0	6	1	1	0	0	2	41	4	0	2	0	1	0	0	0	0
Internal Perforation	602,025	13	1	12	0	8	0	0	0	0	1	0	63	0	0	0	0	0	0	0	0
Internal Islet	1,581	39	1	0	2	0	0	0	0	0	4	3	0	52	0	0	0	0	0	0	0
Internal Core	22,738	17	1	3	0	29	1	1	0	0	1	2	2	0	43	0	1	0	0	0	0
Internal Bridge	10,419	32	3	2	0	4	7	1	1	0	3	1	2	0	1	37	1	1	3	0	0
Internal Bridge in Edge	5,825	27	1	2	0	7	2	7	0	0	1	2	3	0	2	1	40	0	2	0	1
Internal Bridge in Perforation	3,269	16	2	6	0	7	1	8	1	0	0	1	6	0	0	1	1	47	0	0	3
Internal Loop	17,506	19	1	2	0	4	3	1	6	1	3	0	3	0	0	2	0	0	52	0	1

Internal Loop in Edge	125	25	0	5	0	0	5	5	0	5	5	10	5	0	5	5	5	0	0	20	0
Internal Loop in Perforation	18,550	12	1	4	0	7	1	2	1	7	1	0	10	0	0	1	1	1	2	0	50

Appendix 5. Fragmentation classes transition matrix tropical and temperate forests in the 2008-2013 period differentiating between internal and external fragmentation classes.

Table 1 appendix 5. Fragmentation classes transition matrix tropical forests in the 2008-2013 period differentiating between internal and external fragmentation classes.

Fragmentation classes transition matrix tropical forests 2008-2013																					
		% Changed to each 2013 fragmentation class																			
		External Classes										Internal Classes									
Fragmentation Class 2008	Area 2008 (ha)	Non-forest	Branch	Edge	Islet	Core	Bridge	Bridge in Edge	Loop	Loop in Edge	Branch	Edge	Perforation	Islet	Core	Bridge	Bridge in Edge	Bridge in Perforation	Loop	Loop in Edge	Loop in Perforation
External Branch	779,788	6	89	2	1	1	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0
External Edge	3,064,719	4	1	89	0	4	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0
External Islet	79,688	10	4	2	82	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
External Core	13,011,530	3	0	1	0	95	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0
External Bridge	156,419	5	3	2	0	2	85	1	2	0	0	0	0	0	0	0	0	0	0	0	0
External Bridge in Edge	126,856	4	1	4	0	3	1	84	0	1	0	0	0	0	0	0	0	0	0	0	0
External Loop	45,450	7	3	3	0	2	5	0	77	1	0	0	1	0	0	0	0	0	1	0	0
External Loop in Edge	36,869	4	1	5	0	4	1	5	1	76	0	0	1	0	0	0	0	0	0	0	1
Internal Branch	47,588	12	12	2	0	9	1	0	0	0	58	1	4	0	1	0	0	0	1	0	0
Internal Edge	22,719	12	1	13	0	13	0	1	0	0	2	41	10	0	3	1	1	0	0	0	0
Internal Perforation	529,050	8	0	9	0	17	0	0	0	0	1	1	62	0	0	0	0	0	0	0	0
Internal Islet	788	44	1	0	6	2	1	0	0	0	9	0	2	34	0	0	0	0	0	0	0
Internal Core	19,006	7	0	2	0	36	0	0	0	0	1	4	2	0	46	1	1	0	0	0	0
Internal Bridge	6,981	10	1	1	0	5	17	1	0	0	4	4	6	0	3	44	1	0	0	3	0
Internal Bridge in Edge	3,581	10	1	3	0	11	2	12	0	0	3	5	6	0	2	2	38	1	1	0	3

Internal Bridge in Perforation	2,744	8	0	2	0	8	1	15	0	1	2	1	8	0	1	3	3	41	0	1	6
Internal Loop	11,375	12	2	2	0	6	0	0	9	0	3	0	7	0	0	2	0	0	53	0	2
Internal Loop in Edge	144	17	0	0	0	0	0	4	0	0	0	0	0	0	0	0	0	0	0	70	9
Internal Loop in Perforation	12,613	6	0	3	0	9	0	1	1	9	0	0	7	0	0	0	1	1	1	0	58

Table 2 appendix 5. Fragmentation classes transition matrix temperate forests in the 2008-2013 period differentiating between internal and external fragmentation classes.

Fragmentation classes transition matrix temperate forests 2008-2013																					
		% Changed to each 2013 fragmentation class																			
		External Classes										Internal Classes									
Fragmentation Class 2008	Area 2008 (ha)	Non-forest	Branch	Edge	Islet	Core	Bridge	Bridge in Edge	Loop	Loop in Edge	Branch	Edge	Perforation	Islet	Core	Bridge	Bridge in Edge	Bridge in Perforation	Loop	Loop in Edge	Loop in Perforation
External Branch	1,165,412	1	98	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
External Edge	4,097,744	1	0	98	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
External Islet	137,381	3	1	0	95	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
External Core	14,671,090	0	0	0	0	99	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
External Bridge	218,488	1	1	1	0	1	96	0	0	0	0	0	0	0	0	0	0	0	0	0	0
External Bridge in Edge	166,675	1	0	2	0	1	0	96	0	0	0	0	0	0	0	0	0	0	0	0	0
External Loop	67,663	1	1	2	0	1	1	0	94	0	0	0	0	0	0	0	0	0	0	0	0
External Loop in Edge	48,981	1	0	3	0	2	0	1	0	93	0	0	0	0	0	0	0	0	0	0	0
Internal Branch	52,100	0	5	0	0	0	0	0	0	0	94	0	0	0	0	0	0	0	0	0	0
Internal Edge	19,450	0	0	14	0	0	0	0	0	0	0	85	0	0	0	0	0	0	0	0	0
Internal Perforation	511,944	1	0	3	0	2	0	0	0	0	0	0	94	0	0	0	0	0	0	0	0
Internal Islet	1,169	1 0	0	0	1	0	0	0	0	0	0	0	0	89	0	0	0	0	0	0	0
Internal Core	15,644	0	0	0	0	15	0	0	0	0	0	0	0	0	84	0	0	0	0	0	0
Internal Bridge	7,088	0	0	0	0	1	5	0	0	0	0	0	1	0	0	92	0	0	1	0	0
Internal Bridge in Edge	4,263	0	0	0	0	0	0	10	0	0	0	0	0	0	0	1	87	0	0	0	1
Internal Bridge in Perforation	3,025	0	0	0	0	3	0	6	0	0	0	0	1	0	0	0	0	89	0	0	1

Internal Loop	15,694	1	0	0	0	1	0	0	3	0	0	0	2	0	0	1	0	0	92	0	0
Internal Loop in Edge	38	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	100	0
Internal Loop in Perforation	18,194	1	0	0	0	4	0	0	0	3	0	0	2	0	0	0	0	0	0	0	89

