

## APPENDIX 1.

Transitions between land cover classes. For each combination, the total area in ha (ha), the expected area in terms of loss (exp.loss) and the relation of observed and expected loss (o/e) were calculated in the reference area, the total reserve, and each of the core, buffer and transition zones. For the definitions and abbreviations of classes see table 2.

**Table A1.1: Reference area**

		2005													Total
Class		S/I	W	M/B	GLin	GLex	Ar	Fcon	Fdec	Fmix	Fcarr	W/H	Loss	92	
1992	S/I	ha	6513.5	56.9	0.5	378.0	9.6	229.3	21.2	76.7	52.7	1.0	522.0	1347.9	7861.5
		exp.loss	6513.5	83.2	2.9	207.9	4.2	518.8	320.8	68.2	87.0	7.4	47.6		
		o/e	0.0	-0.3	-0.8	0.8	1.3	-0.6	-0.9	0.1	-0.4	-0.9	10.0		
	W	ha	21.9	4299.7	25.1	23.0	1.0	6.1	4.3	30.8	17.1	15.2	54.3	198.9	4498.6
		exp.loss	19.2	4299.7	0.4	29.5	0.6	73.7	45.6	9.7	12.4	1.1	6.8		
		o/e	0.1	0.0	60.8	-0.2	0.7	-0.9	-0.9	2.2	0.4	13.4	7.0		
	M/B	ha	4.0	27.1	100.7	0.8	2.8	0.6	4.2	9.0	5.8	10.6	13.8	78.7	179.4
		exp.loss	7.2	4.4	100.7	11.0	0.2	27.6	17.0	3.6	4.6	0.4	2.5		
		o/e	-0.4	5.1	0.0	-0.9	11.4	-1.0	-0.8	1.5	0.2	25.9	4.4		
	GLin	ha	428.4	37.9	2.6	9598.1	104.3	3318.4	36.0	59.0	15.5	8.6	420.3	4430.9	14029.0
		exp.loss	469.3	289.2	9.9	9598.1	14.8	1802.7	1114.7	237.0	302.3	25.8	165.2		
		o/e	-0.1	-0.9	-0.7	0.0	6.1	0.8	-1.0	-0.8	-0.9	-0.7	1.5		
	GLex	ha	2.4	1.9	7.1	47.1	86.9	0.5	3.1	5.3	1.2	2.8	16.1	87.7	174.6
		exp.loss	8.0	4.9	0.2	12.3	86.9	30.8	19.0	4.0	5.2	0.4	2.8		
		o/e	-0.7	-0.6	40.8	2.8	0.0	-1.0	-0.8	0.3	-0.8	5.4	4.7		
	Ar	ha	265.2	8.6	0.0	1449.2	4.7	25372.2	18.8	25.1	5.0	0.3	290.2	2067.0	27439.1
		exp.loss	289.5	178.4	6.1	445.7	9.1	25372.2	687.6	146.2	186.5	15.9	101.9		
		o/e	-0.1	-1.0	-1.0	2.3	-0.5	0.0	-1.0	-0.8	-1.0	-1.0	1.8		
	Fcon	ha	118.8	3.6	1.6	4.7	2.2	4.5	16611.2	108.7	719.4	1.3	234.3	1199.2	17810.4
		exp.loss	139.4	85.9	3.0	214.5	4.4	535.3	16611.2	70.4	89.8	7.7	49.1		
		o/e	-0.1	-1.0	-0.4	-1.0	-0.5	-1.0	0.0	0.5	7.0	-0.8	3.8		
Fdec	ha	12.5	13.9	2.4	5.5	0.3	3.8	44.0	2828.5	156.8	25.1	37.9	302.2	3130.6	
	exp.loss	28.8	17.8	0.6	44.4	0.9	110.8	68.5	2828.5	18.6	1.6	10.2			
	o/e	-0.6	-0.2	2.9	-0.9	-0.6	-1.0	-0.4	0.0	7.4	14.8	2.7			
Fmix	ha	7.8	5.9	2.0	3.4	0.6	1.1	168.2	169.2	3406.3	3.6	30.1	392.0	3798.3	
	exp.loss	37.9	23.4	0.8	58.4	1.2	145.7	90.1	19.1	3406.3	2.1	13.4			
	o/e	-0.8	-0.7	1.5	-0.9	-0.5	-1.0	0.9	7.8	0.0	0.7	1.3			
Fcarr	ha	6.9	9.3	4.0	0.9	0.1	0.5	1.2	8.9	4.9	317.7	1.5	38.1	355.8	
	exp.loss	3.5	2.1	0.1	5.4	0.1	13.4	8.3	1.8	2.2	317.7	1.2			
	o/e	1.0	3.3	52.8	-0.8	0.1	-1.0	-0.9	4.0	1.2	0.0	0.2			
W/H	ha	169.6	187.9	13.9	114.9	25.0	67.2	1023.0	492.1	478.9	28.6	1038.1	2601.2	3639.2	
	exp.loss	244.7	150.8	5.2	376.8	7.7	940.0	581.3	123.6	157.6	13.4	1038.1			
	o/e	-0.3	0.2	1.7	-0.7	2.2	-0.9	0.8	3.0	2.0	1.1	0.0			
Gain		1037.7	352.9	59.3	2027.5	150.7	3632.0	1324.1	984.7	1457.3	97.0	1620.5			
Total	05	7551.2	4652.6	160.0	11625.6	237.5	29004.2	17935.2	3813.2	4863.6	414.8	2658.6		82916.5	

**Table A1.2: Total reserve**

		2005													Total
Class		S/I	W	M/B	GLin	GLex	Ar	Fcon	Fdec	Fmix	Fcarr	W/H	Loss	92	
1992	S/I	ha	914.7	9.1	0.8	72.5	5.7	24.2	10.4	14.7	6.8	0.3	99.5	244.1	1158.8
		exp.loss	914.7	25.5	2.3	29.5	3.3	48.8	93.1	12.7	16.4	3.6	9.0		
		o/e	0.0	-0.6	-0.6	1.5	0.7	-0.5	-0.9	0.2	-0.6	-0.9	10.1		
	W	ha	2.6	2608.1	18.0	16.2	4.9	2.4	15.9	17.6	11.1	11.5	15.0	115.3	2723.4
		exp.loss	4.9	2608.1	1.2	14.9	1.7	24.6	47.0	6.4	8.3	1.8	4.5		
		o/e	-0.5	0.0	14.4	0.1	1.9	-0.9	-0.7	1.7	0.3	5.4	2.3		
	M/B	ha	0.0	12.8	148.5	1.7	4.5	0.3	3.4	10.7	8.0	4.0	12.2	57.6	206.1
		exp.loss	2.2	5.8	148.5	6.8	0.8	11.2	21.3	2.9	3.8	0.8	2.1		
		o/e	-1.0	1.2	0.0	-0.7	4.8	-1.0	-0.8	2.7	1.1	3.8	5.0		
	GLin	ha	71.4	9.7	1.7	2610.0	141.7	636.8	20.6	15.4	8.0	3.8	114.0	1023.2	3633.2
		exp.loss	43.9	116.3	10.6	2610.0	15.2	222.5	424.6	58.0	74.9	16.3	40.9		
		o/e	0.6	-0.9	-0.8	0.0	8.3	1.9	-1.0	-0.7	-0.9	-0.8	1.8		
	GLex	ha	0.2	1.3	11.4	10.9	109.4	1.2	10.1	11.8	14.3	1.5	39.8	102.4	211.9
		exp.loss	3.9	10.4	0.9	12.1	109.4	19.9	38.1	5.2	6.7	1.5	3.7		
		o/e	-1.0	-0.9	11.0	-0.1	0.0	-0.9	-0.7	1.3	1.1	0.1	9.9		
	Ar	ha	19.4	0.7	2.1	384.4	3.8	4506.0	12.3	17.9	9.6	0.0	68.7	518.9	5024.9
		exp.loss	24.4	64.5	5.9	74.6	8.4	4506.0	235.7	32.2	41.5	9.1	22.7		
		o/e	-0.2	-1.0	-0.6	4.2	-0.5	0.0	-0.9	-0.4	-0.8	-1.0	2.0		
	Fcon	ha	1.7	4.6	3.0	3.8	9.6	0.8	9020.4	34.6	241.3	2.3	56.9	358.5	9378.9
		exp.loss	21.5	56.9	5.2	65.7	7.4	108.8	9020.4	28.4	36.6	8.0	20.0		
		o/e	-0.9	-0.9	-0.4	-0.9	0.3	-1.0	0.0	0.2	5.6	-0.7	1.8		
	Fdec	ha	3.7	8.7	1.8	1.6	0.4	0.1	17.2	863.8	63.8	1.9	3.0	102.2	966.0
		exp.loss	4.1	10.8	1.0	12.5	1.4	20.7	39.5	863.8	7.0	1.5	3.8		
		o/e	-0.1	-0.2	0.8	-0.9	-0.7	-1.0	-0.6	0.0	8.2	0.3	-0.2		
Fmix	ha	0.3	1.6	1.0	0.6	0.6	0.1	33.2	27.9	1106.3	3.7	7.0	76.1	1182.4	
	exp.loss	3.1	8.2	0.7	9.4	1.1	15.6	29.8	4.1	1106.3	1.1	2.9			
	o/e	-0.9	-0.8	0.3	-0.9	-0.4	-1.0	0.1	5.8	0.0	2.2	1.5			
Fcarr	ha	0.0	4.5	5.8	0.3	0.0	0.0	2.4	19.4	6.3	343.0	1.6	40.2	383.2	
	exp.loss	1.5	4.1	0.4	4.7	0.5	7.8	15.0	2.0	2.6	343.0	1.4			
	o/e	-1.0	0.1	14.4	-0.9	-1.0	-1.0	-0.8	8.5	1.4	0.0	0.1			
W/H	ha	9.8	48.8	52.4	29.4	73.8	11.9	748.2	317.9	268.6	8.4	534.1	1569.2	2103.3	
	exp.loss	61.7	163.4	14.9	188.8	21.4	312.6	596.7	81.5	105.2	22.9	534.1			
	o/e	-0.8	-0.7	2.5	-0.8	2.5	-1.0	0.3	2.9	1.6	-0.6	0.0			
Gain		109.1	101.9	98.1	521.5	244.9	677.7	873.8	487.9	637.8	37.5	417.7			
Total	05	1023.8	2710.0	246.6	3131.5	354.3	5183.7	9894.1	1351.7	1744.1	380.5	951.8		26972.1	



**Table A1.4: Buffer zone**

		2005													Total
Class		S/I	W	M/B	GLin	GLex	Ar	Fcon	Fdec	Fmix	Fcarr	W/H	Loss	92	
1992	S/I	ha	14.9	1.6	0.8	6.9	1.0	3.0	5.7	6.9	2.0	0.3	16.0	44.2	59.2
		exp.loss	14.9	9.5	0.6	3.6	1.0	1.8	18.0	3.1	3.9	1.1	1.5		
		o/e	1.00	0.17	1.31	1.91	1.08	1.68	0.32	2.21	0.50	0.26	10.50		
	W	ha	0.7	2417.2	15.7	12.1	4.9	1.2	11.0	13.9	7.2	10.3	8.3	85.2	2502.4
		exp.loss	0.2	2417.2	1.6	8.8	2.4	4.3	44.2	7.6	9.7	2.7	3.7		
		o/e	4.09	1.00	9.88	1.37	2.06	0.27	0.25	1.82	0.74	3.75	2.23		
	M/B	ha	0	11	84	1	4	0	3	10	5	2	9	44	128
		exp.loss	0.1	9.6	84.1	3.7	1.0	1.8	18.3	3.2	4.0	1.1	1.5		
		o/e	0.0	1.2	1.0	0.3	4.3	0.0	0.2	3.0	1.2	1.4	5.8		
	GLin	ha	2.8	6.2	1.1	834.8	81.0	98.7	10.8	5.3	3.1	3.0	39.4	251.4	1086.2
		exp.loss	0.5	58.7	4.0	834.8	6.0	10.9	111.5	19.2	24.4	6.9	9.4		
		o/e	6.10	0.11	0.28	1.00	13.60	9.06	0.10	0.28	0.13	0.44	4.18		
	GLex	ha	0.0	1.3	11.3	4.4	92.2	0.8	10.0	11.2	14.3	1.0	36.6	90.9	183.0
		exp.loss	0.2	19.9	1.4	7.6	92.2	3.7	37.8	6.5	8.3	2.3	3.2		
		o/e	0.00	0.06	8.32	0.58	1.00	0.23	0.26	1.72	1.73	0.42	11.43		
	Ar	ha	0.2	0.3	0.0	79.1	0.0	356.7	0.2	0.5	0.1	0.0	6.6	87.1	443.8
		exp.loss	0.2	19.4	1.3	7.4	2.0	356.7	36.9	6.4	8.1	2.3	3.1		
		o/e	1.00	0.02	0.02	10.70	0.00	1.00	0.01	0.08	0.01	0.01	2.11		
	Fcon	ha	0.0	4.3	1.7	1.7	3.5	0.1	4318.2	23.9	150.2	1.3	20.8	207.6	4525.8
		exp.loss	0.6	75.1	5.1	28.5	7.6	13.9	4318.2	24.6	31.2	8.8	12.1		
		o/e	0.09	0.06	0.34	0.06	0.46	0.01	1.00	0.97	4.82	0.15	1.72		
	Fdec	ha	0.2	7.4	1.3	0.6	0.4	0.0	8.9	497.2	27.7	1.9	1.8	50.2	547.4
		exp.loss	0.1	11.6	0.8	4.4	1.2	2.1	22.0	497.2	4.8	1.4	1.9		
		o/e	2.42	0.64	1.68	0.13	0.30	0.00	0.41	1.00	5.77	1.39	0.95		
	Fmix	ha	0.0	1.6	0.0	0.5	0.1	0.0	13.2	17.3	641.8	3.7	3.9	40.4	682.1
		exp.loss	0.1	9.5	0.6	3.6	1.0	1.8	18.0	3.1	641.8	1.1	1.5		
		o/e	0.00	0.17	0.00	0.15	0.08	0.00	0.73	5.57	1.00	3.29	2.54		
Fcarr	ha	0.0	4.4	4.9	0.2	0.0	0.0	2.4	15.7	3.6	265.8	1.6	32.8	298.6	
	exp.loss	0.1	7.2	0.5	2.7	0.7	1.3	13.7	2.4	3.0	265.8	1.2			
	o/e	0.70	0.60	9.99	0.08	0.00	0.00	0.17	6.64	1.20	1.00	1.38			
W/H	ha	0.4	35.2	48.9	5.7	65.6	1.7	347.5	214.8	179.6	4.7	256.7	903.9	1160.6	
	exp.loss	1.6	200.7	13.7	76.3	20.4	37.2	381.2	65.8	83.3	23.7	256.7			
	o/e	0.24	0.18	3.57	0.07	3.22	0.05	0.91	3.26	2.16	0.20	1.00			
Gain		4.3	73.7	85.8	112.2	160.6	105.4	412.7	319.0	392.4	27.7	144.0			
Total	05		19.3	2490.9	169.9	947.0	252.7	462.2	4730.9	816.3	1034.2	293.5	400.7	11617.6	

**Table A1.5: Transition zone**

		2005													Total
Class		S/I	W	M/B	GLin	GLex	Ar	Fcon	Fdec	Fmix	Fcarr	W/H	Loss	92	
1992	S/I	ha	891.5	2.6	0.0	64.4	4.6	20.2	2.0	7.8	2.5	0.0	59.7	163.8	1055.2
		exp.loss	891.5	2.3	0.1	27.1	1.0	55.6	58.7	5.6	7.1	0.3	6.0		
		o/e	1.00	1.14	0.00	2.37	4.68	0.36	0.03	1.40	0.35	0.14	9.98		
	W	ha	1.9	148.6	0.0	3.2	0.0	1.2	1.5	3.6	1.4	0.4	5.9	19.2	167.7
		exp.loss	1.5	148.6	0.0	3.0	0.1	6.1	6.4	0.6	0.8	0.0	0.7		
		o/e	1.28	1.00	0.00	1.07	0.00	0.20	0.24	5.95	1.79	12.87	8.98		
	M/B	ha	0	0	6	1	0	0	0	0	0	0	3	4	10
		exp.loss	0.3	0.1	5.8	0.7	0.0	1.4	1.5	0.1	0.2	0.0	0.2		
		o/e	0.0	1.6	1.0	1.1	0.0	0.2	0.0	1.2	1.6	2.5	19.2		
	GLin	ha	67.1	3.5	0.6	1626.1	48.8	451.1	7.6	9.1	4.5	0.8	69.7	662.7	2288.9
		exp.loss	59.6	10.0	0.6	1626.1	4.4	245.5	259.1	24.6	31.3	1.4	26.4		
		o/e	1.13	0.35	1.06	1.00	11.16	1.84	0.03	0.37	0.14	0.59	2.64		
	GLex	ha	0.2	0.0	0.1	4.0	5.4	0.2	0.1	0.5	0.0	0.2	1.0	6.4	11.7
		exp.loss	0.5	0.1	0.0	1.0	5.4	2.0	2.1	0.2	0.3	0.0	0.2		
		o/e	0.37	0.00	26.50	4.07	1.00	0.12	0.03	2.66	0.12	17.63	4.65		
	Ar	ha	18.3	0.4	2.1	275.6	3.8	3606.8	8.9	15.4	9.5	0.0	57.8	391.9	3998.7
		exp.loss	43.5	7.3	0.4	87.4	3.2	3606.8	189.1	17.9	22.8	1.0	19.3		
		o/e	0.42	0.06	5.10	3.15	1.20	1.00	0.05	0.86	0.42	0.00	3.00		
	Fcon	ha	1.5	0.2	0.0	2.0	3.0	0.6	3952.0	9.7	74.3	0.0	34.6	126.1	4078.1
		exp.loss	14.4	2.4	0.1	28.9	1.1	59.1	3952.0	5.9	7.5	0.3	6.4		
		o/e	0.11	0.10	0.00	0.07	2.87	0.01	1.00	1.64	9.87	0.00	5.43		
	Fdec	ha	3.4	0.8	0.0	1.0	0.0	0.1	7.1	278.1	31.7	0.0	1.0	45.0	323.2
		exp.loss	3.5	0.6	0.0	7.1	0.3	14.6	15.4	278.1	1.9	0.1	1.6		
		o/e	0.97	1.27	0.00	0.15	0.00	0.00	0.46	1.00	17.06	0.00	0.61		
	Fmix	ha	0.3	0.0	0.0	0.1	0.0	0.1	15.6	8.5	326.7	0.0	3.1	27.5	354.2
		exp.loss	2.2	0.4	0.0	4.4	0.2	9.0	9.5	0.9	326.7	0.0	1.0		
		o/e	0.12	0.00	0.00	0.02	0.00	0.01	1.64	9.41	1.00	0.00	3.17		
Fcarr	ha	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.3	18.3	0.0	0.6	19.0	
	exp.loss	0.0	0.0	0.0	0.1	0.0	0.2	0.2	0.0	0.0	18.3	0.0			
	o/e	0.00	0.00	0.00	0.00	0.00	0.00	0.21	15.03	11.43	1.00	0.00			
W/H	ha	9.5	10.0	0.8	19.9	7.3	9.7	323.4	76.1	69.9	2.8	204.6	529.3	733.9	
	exp.loss	41.7	7.0	0.4	83.9	3.1	171.8	181.4	17.2	21.9	1.0	204.6			
	o/e	0.23	1.43	1.98	0.24	2.37	0.06	1.78	4.43	3.19	2.99	1.00			
Gain		102.2	17.5	3.6	370.9	67.6	483.4	366.2	131.1	194.4	4.3	235.5			
Total	05	993.6	166.1	9.4	1997.1	73.0	4090.2	4318.2	409.3	521.1	22.7	440.1		13040.8	