# Appendix-4 Soil Loss Computation for Pilot River Basins

Table-A4.1 R Factor Division and Meteorological Station in Thiessen's Polygon for Iguaçu River
Basin (1/2)

4	IGUACU BASIN	<del></del>	Area	Azea	Rainfall	Meteorological
No	Municipality	Total Area (km²)	Involved (%)	Involved (km²)	Factor Division	Station in Thiessen's Polygor
1-01	Campina Grande do Sul	554.4	14.28	79.2	8	Piraquara
1-02	Quatro Barras	183.2	54.32	99.5	8	Piraquara
1-03	· Piraguara	171.9		171.9	8	Piraquara
1-04	Sao Jose dos Pinhais	916.1	73.60	674.2	8	Piraquara
1-05	Colombo	189.6	67.29	127,6	. 8	Piraquara
	Pinhais	98 2	100.00	98.2	8	Piraquara
1-07	Almirante Tamandare	521.3	36.31	189.3	8	Piraquara
1-08	Curitiba	431.7	100.00	431.7	8	Piraquara
1.09	Campo Largo	1,262.9	23.53	297.2	8 .	Piraquara
1-10	Araucaria	503.7	100.00	503.7	8	Piraquara
1-11	Fazenda Rio Grande	110.9	100.00	110.9	8	Piraquara
1-12	Mandirituba	392.3	100.00	392.3	8	Lapa
1-13	Tijucas do Sul	678.9	62.25	422.6	8	Piraquara
1-14	Balsa Nova	321.9	99.32	319.7	8	
1-15	Contenda	222.2	100.00		8	Lapa
l-16				222.2	8	Lapa
	Quitandinha	419.4	100.00	419.4		Lapa
1-17	Agudos do Sul	259.6	100.00	259.6	8	Lapa
1-18	Pien	261.7	100.00	261.7	8 ·	Lapa
I-19	Rio Negro	603.2	100.00	603.2	7	Lapa
1-20	Campo do Tenente	314.0	100.00	314.0	7	Lapa
1-21	Lapa	2,203.9	100.00	2,203.9	7	Lapa
1-22	Porto Amazonas	206.8	73.98	153.0	7	Lapa
1-23	Paimeira	1,500.8	18.22	273.4	7	Lapa
1-24	Sao Joao do Triunfo	712.2	99.43	708.1	7	Telxeira
1-25	Antonio Olinto	482.5	100.00	482.5	. 7	Lapa
1 26	Sao Mateus do Sul	1,332.8	100.00	1,332.8	7	Telxeira
1-27	Reboucas	504.7	98.85	498.9	7	Telxelra
1-28	Irati	896.8	45.51	408.1	· 7	Teixeira
1-29	Rio Azul	642.6	100.00	642.6	7	Teixeira
1-30	Mallet	672.8	100.00	672.8	6	Uniao da Vitoria
1-31	Paulo Frontin	377.5	100.00	377.5	6	Uniao da Vitoria
1-32	Paula Freitas	417.0	100.00	417.0	6	Uniao da Vitoria
133	Uniao da Vitoria	773.9	100.00	773.9	6	- Uniao da Vitoria
1-34	Porto Vitoria	220.2	100.00	220.2	6	Uniao da Vitoria
1-35	General Carnelro	1,063.7	100.00	1,063.7	6	Uniao da Vitoria
1-36	Bituruna	1,209.7	100.00	1,209.7	- 6	Uniao da Vitoria
1-37	Cruz Machado	1,500.5	100.00	1,500.5	6	Uniao da Vitoria
1-38	Inacio Martins	897.5	98.04	879.9	6	Guarapuava
1-39	Guarapuava	4,152.2	81.95	3,402.7	6	Guarapuaya
1-40	Pinhao	2,875.2	100.00	2,875.2	6	Guarapuaya
1-41	Paimas	3,125.5	100.00	3,125.5	6	Palmas
1-42	Clevelandia	708.4	100.00	708.4	6	Clevelandia
					6	
1-43	Honorio-Serpa	806.6 801.3	100.00	806.6 801.3	8	Clevelandia Clevelandia
1-44	Mangueirinha Condol				-	Clevelandia
1-45	Candol	999.8	100.00	999.8	6	Laranjeiras
1-46	Cantagalo	1,844.5	41.97	774.1	6	Laranjeiras
1-47	Virmound	198.4	100.00	198.4	6	Laranjeiras
1-48	Laranjeiras do Sul	1,182.5	89.02	1,052.7	6	Laranjeiras
I-49	Chopinzinho	992.5	100.00	992.5	6	Laranjeiras
1-50	Coronel Vivida	681.5	100.00	681.5	2	Pato Branco
I-51	Pato Branco	570.2	100.00	570.2	2	Pato Branco
1-52	Mariopolis	232.1	100.00	232.1	6	Pato Branco
I-53	Vitorino	326.1	100.00	326.1	2	Pato Branco
I-54	Renascenca	434.7	100.00	434.7	2	Francisco Beltrao
1-55	Bom Sucesso do Sul	135.3	100.00	135.3	2	Francisco Beltrao
1-56	Itapejara D'Oeste	246.0	100.00	246.0	2	Francisco Beltrao
1-57	Vere	345.6	100.00	345.6	2	Francisco Beltrao
1-58	Sao Joao	408.9	100.00	408.9	1	Francisco Beltrao
1-59	Sulina	158.5	100.00	158.5	1	Quedas
1-60	Saudade do Iguaçu	147.8	100.00	147.8	6	Laranjeiras
1-61	Rio Bonito do Iguaçu	459.3	100.00	459.3	6	Laranjeiras
1-62	Nova Laranjeiras	1,283.7	45.09	578.8	6	Laranjeiras
1-63	Guaraniacu	1,052.5	47.03	495.0	i	Quedas
	Quedas do Iguacu	1,192.9	100.00	1,192.9	i	Quedas
1-64						
	Sao Jorge do Oeste Cruzeiro do Iguacu	365.1 96.6	100.00 100.00	385.1 96.6	1	Quedas Quedas

Table-A4.1 R Factor Division and Meteorological Station in Thiessen's Polygon for Iguaçu River Basin (2/2)

No	Municipality	Total Area (km²)	Area Involved (%)	Area Involved (km²)	Rainfa# Factor Division	Meteorological Station in Thiessen's Polygon
1-68	Dols Vizinhos	372.7	100.00	372.7	2	Francisco Beltrao
1-69	Eneas Marques	234.7	100.00	234.7	2	Francisco Beltrao
1-70	Francisco Beltrao	896.7	100.00	696.7	2	Francisco Beltrao
1-71	Marmeleiro	449.9	100.00	449.9	2	Francisco Beltrao
1-72	Flor da Serra do Sul	94.7	100.00	94.7	2	Francisco Beltrao
1-73	Barracao	385.3	100.00	386.3	2	Francisco Beltrao
1-74	Salgado Filho	506.4	100.00	506.4	2	Francisco Beltrao
l-75	Santo Antonio do Sudoeste	313.8	100.00	313.8	2 .	Planako
l-76	Pranchita	297.1	100.00	297.1	2	Pianalto
i 77	Pinhal do Sao Bento	107.6	100.00	107.6	2	Planato
 I-78	Ampere	307.9	100.00	307.9	2	Planalto
l-79	Nova Esperanca do Sudoeste	176.9	100.00	176.9	. 2	Francisco Beltrao
I-80	Sato do Lorka	336.9	100.00	336.9	2	Francisco Beltrao
-81	Santa Izabel do Oeste	330.5	100.00	330.5	. 1	Planalto
-82	Nova Prata do Iguacu	333.0	100.00	333.0	1	Quedas
-83	Perola do Oeste	330.1	100.00	330.1	1	Pianako
-84	Planato	337.1		337.1	1	Pianalto
-85	Realeza	351.9	100.00	351.9	1	Planato
-86	Capanema	403.9	100.00	403.9	1	Pianato
-87	Tres Barras do Parana	521.7	100.00	521.7	1	Quedas
1-88	Catanduvas	593.9	100.00	593.9	1	Quedas
l-89	Ibema	151.7	97.79	148.3	1	Quedas
-90	Cascavel	2,157.5	55.57	1,198.9	1	Cascavel
1-91	Boa Vista da Aparecida	232.2	100.00	232.2	1	Quedas
92	Capitao Leonidas Marques	279.8	100.00	279.8	1	Planalto
1-93	Santa Lucia	137.1	100.00	137.1	1	Planalto
94	Lindoeste	273.2	100.00	273.2	1	Cascavel
95	Santa Tereza do Oeste	423.3	55.64	235.5	1	Cascavel
1-96	Ceu Azul	1,185.0	79.09	937.2	1	Cascavel
1-97	Matelandia	611.4	98.37	601.4	1	Sao Miguel
I-98	Medianeira	799.2	77.72	621.1	1	Sao Miguel
-99	Sao Miguel do Iguacu	997.2	45.70	455.7	1	Sac Miguel
I-100		289.8		162.1	1	Sao Miguel
I-101		476.1	65.58	312.2	1	Sao Miguel
	Total			55,301.7		

Area Involved: Area within Iguacu River Basin

Rainfall Factor Division: refer to Figure-3.1 (determined by Rufino et al.)

Thlessen's Polygon: refer to Sectoral Report Vol.B
Source: SANEPAR GIS Computation for Total Area and Area Involved of Municipalities

Table-A4.2 R Factor Division and Meteorological Station in Thiessen's Polygon for Tibagi River Basin

No	Municipality	Total Area (km2)	Area Involed (%)	Area Involved (km2)	Rainfall Factor Division	Meteorological Station in Thiesson's Polygor
T-01	Porto Amazonas	206.8	26.02	53.8	7	Lapa
T-02	Palmeira	1,500.8	81.78	1,227.4	7	Ponta Grossa
7-03	Telxelra Soares	1,343.3	97.04	1,303.5	7	Tetxera
T-04	Irati	896.8	15.57	139.6	7	Teixera
T-05	Imbituva	1,073.8	75.55	811.3	7	Teixera
T-06	lpiranga	932.3	99.97	932.0	7	Ponta Grossa
T-07	Ponta Grossa	2,269.6	82.43	1,870.8	7	Porta Grossa
T-08	Castro	3,089.8	73.74	2,278.4	8	Porka Grossa
T-09	Ival	609.9	34.80	212.2	7	Teixeira
T-10	Reserva	1,770.8	31.39	555.9	7	Telemaco
T-11	Tibagi	2,938.1	99.61	2,926.6	7 .	Telemaco
T-12	Piral do Sul	1,367.3	70,59	965.2	7 -	Telemaco
T-13	Ventania	824.2	46.12	380.1	. 7	Telemaco
T-14	Telemaco Borba	1,625.3	100.00	1,625.3	7	Telemaco
T-15	Ortigueira	2,471.6	64.27	1,588.5	7	Telemaco
T-16	Curiuva	581.7	62.19	361.8	7	Telemaco
T-17	Sapopema	694.2	78.62	531.9	7	Telemaco
T-18	Sao Jeronimo da Serra	851.7	99.95	851.3	· 4	Londrina
T-19	Maua da Serra	153,4	31.27	48.0	5	Telemaco
T-20	Maritandia do Sul	385.3	39.51	152.2	5	Apucarana
T-21	California	130.9	74.27	97.2	5	Apucarana
T-22	Apucarana	554.9	32.83	182.2	4	Apucarana
T-23	Arapongas	395.0	48.59	191.9	4	Apucarana
T-24	Londrina	2,095.6	100.00	2,095.6	4	Londrina
T-25	Nova Santa Barbara	112.2	100.00	112.2	4	Londrina
T-26	Santa Cecilia do Pavao	68.5	100.00	68.5	4	Londrina
T-27	Santo Antonio do Paraiso	151.9	100.00	151.9	4	Londrina
T-28	Congonhinhas	588.1	17.78	104.6	4	<b>Bandeirantes</b>
T-29	Nova Fatima	232.1	35.99	83.5	4	Bandeirantes
T-30	Sao Sebastiao da Amoreira	217.4	100.00	217.4	. 4	Londrina
T-31	Assal	450.5	100.00	450.5	3	Londrina
T-32	Nova America da Colina	133.3	100.00	133.3	4	Londrina
T-33	Cornelio Procepio	627.5	53.65	336.7	4	<b>Bandeirantes</b>
T-34	Ural .	209.6	100.00	209.6	3	Londrina
T-35	Jatakinho	199.1	100.00	199.1	3	Londrina
T-36	łb/pora	295.4	100.00	295.4	3	Londrina
T-37	Rolandia	473.7	12.11	57.4	4	Londrina
T-38	Cambe	478.9	29.98	143.5	4	Londrina .
T-39	Sertanopolis	493.0	97.13	478.9	3	Bela Vista
T-40	Rancho Alegre	187.4	100.00	187.4	3	Bela Vista
T-41	Leopolis	344.7	19.98	68.9	3	Londrina
T-42	Sertaneja	433.0	52.35	226.7	3	Bela Vista
T-43	Primeiro de Malo	371.7	38.41	142.8	3	Bela Vista

Area Involved: Area within Tibagi River Basin

Rainfall Factor Division: refer to Figure 3.1 (determined by Rufino et al.) Thiessen's Polygon: refer to Sectoral Report Vol.B

Source: SANEPAR GIS Computation for Total Area and Area Involved of Municipalities

Stabon	R Factor Division	Ca)	ď.	Ze.	Ş	May	Ę	3	Š	- 0	ö		8	CEGN	ocai
Sela Vista	Rainfall (mm)	206.5	1	143.6	116.4	118.31	98.5	.51.1	8	112.8	145.1	181.9	21.7	128.7	1544.7
	R Division 3	1356.41	1	767.6	578.6	580.5	416.3	286.1	278.2	\$3	779.2	917.1	1483.4	ŧ	87.25.7
Banderantes	Rainfall (mm)	179.03	160 1	160.2	808	110.9	78.7	49.6	46.3	:05.3	1227	166.3	211.4	123.6	1482.8
	R Division 4	1024.9	845.9	846.7	381.5	491.2	38.1	2235	27.1	0.697	584.5	899.7	1352.8		7650.0
ondrina	Rainfall (mm)	189.5	\$65.5	157.7	120.9	117.8	506	á	8	118.9	136.8	1.62	242.4	136.2	1634.
	R Dwsion 3	1123.6	908.3	844.6	585.6	698	423.2	315.0	287.5	573.5	689	1026.7	1700.8		8.44
	R Division 4	1030.5	824.9	764.1	516.8	883	36.7	2583	232.1	506.2	615.6	938.0	1581.7		8177.9
Actions	Same! (mm)	9	18.75	814	1.27	151 G	1122	68	12.99	128.6	153.6	1.651	211.3	138.4	1560.3
de la	O Department	1	ē	7007	455.8	705.7	1.64	277.0	268.2	6570	7245	765.4	12247		7917
	D Dieses	B BYC	7 080	7 .88	9 633	867.3	450.0	3316	349.7	674.5	880.4	930 6	1495.0		9610.8
010000	(10)	0.04	6.49	4.00.4	4036	Š	GR.A	6.23	74.4	2.66	450.6	451 4:	XX	435.7	1627.8
ентасо	Kalmar (mm)	10.00	130.5	108,1	0.20.5	300	2000		256.2	7,00	0670	07.4.7	8 LVVV		02.20
	K DWSION 5	1167.1	5	9797	7.000	0000	9000	000	500.0	7007	367.2	1000	i i	1	74.00
	R Division 7	922.5	703.7	583.0	3097	599	338.9	786.2	22.3	332.3	?/8	6/3.3	101	١	3
Cascave	Rainfall (mm)	177.2,	173.0	137.1	163.7	218.2	128.9	1.4.4	109.8	4 .6	200.3	197.8	ъ. /-	979(	(30)
	R Division 1	1087.51	1045.1	724.4	954.9	1554.6	961.6	559.9	530.21	812.2	1397.2	1310,1;	1096.7		11732.4
Piraquara	Rainfall (mm)	161.3	135.8	125.3	86.4	\$ 61	88.5	92.8	73.21	7.60)	127.2	122.4)	146.2	115.7	1388
	R Division 8	796.21	574.0	493.6	252.2	452.0	262.9	285.81	190.4	386.1	5.07.71	472.6	0.099		5333.6
Labe	(Rainfall (mm)	159.0	138.0	120.8	86.4	142.5	107.2	109.4	£.88	119.9	146.1	127.71	9.991	126,2	1513.
	R Owsion 8	713.1	5,52	\$5.7	234.0	579.3	3423	355.1	293.1	419.8	607.3	471.8	709.7	_	9899
	R Division 7	78.3	9119	490.4	236.4	845.9	0.99	19.01	356.3	484.5	674.2	537.11	874		6480.6
Ponta Grossa	Ranfall (mm)	163.2	133.7	140.3	1050	157.4	5.3	105.1	10 98	128.4	1363	128.5	15/7	127.6	1530
	R Division 7	8102	574.4	623	390.0	780	352.3	390.6	287.8	537.0	593.3	524.0	7127		9.9999
	R Division 8	7416	508.7	556.8	326.51	692.2	289.2	327.0	225.4	7.72	527.3	458.9	645.3		5770.6
Texerra	(Rainfall (mm)	1747	126.0	132.0	0.66	1683	113.7		66.3	133.6	0.74	152.5	6.951	1329	1594
	R Division 7	881.8	ı	543.4	346.5	825.1	427.3	412.2	302.1	554.4	651.6	694.1	650.8		6792.
Guarapuava	(Rainfall (mm)	182.0		146.8	143.7	1961	14.4	128.6	107.8	156.4	183.9	174.4	184.2	157.7	1892
	R Division 6	928.2		641.5	619.2	1060.3	602.9	517.3	395.4	713.6	945.5	861.1	948.2		8876.
Laranjeiras	Rainfall (mm)	1.751	175.4	120:0	164.8	188.3	150.6	140.4	115,67	(52.7	209.6	180.1	187.7	161.4	1936.
	R Division 6	783.7	852.5	456.2	687.8	396	656.7	584.9	431.1	672.2	1171.4	893.0	907.0		9062
Planalto	Rainfall (mm)	179.8	143.2	123.3	153.8	181.4	15.4	1172	124.0	144.4	188.3	182.8	173.1	156.6	1878.
	R Division 1	1150.1	796.4	8.752	985.7	1167.4	824.2	593.9	642.9	806.8	1243.8	1182.7	1079.4		11211.0
	R Division 2	1103.7	753.71	596.7	940.9	1120.8	880.1	553.3	601.8	763.9	1196.3	1135.9	1033,7		10630
Quedes	Rainfall (mm)	1725	17.471	138.0	168.1	181 4	153.0	142.4	117.0	159.3	204.4	202.8	176.8	165.9	1390
	R Division 1	1023.2	1044.8	720.7	980.9	1112.21	8440	755.6	569.5	899.5	1362.8	1344 4	1065.7		11723
Seo Miguel	Rainfall (mm)	162.0	152.6	130.5	143.1	168.4	136.0	111.6	112.8	131.5	189.7	178.2	149.9	147.0	1764
	R Owsion 1	1019.0	924.8	725.5	835.3	1065 1	77.2.2	579.7	588.31	733.8	1329.4	1194.6	898.8		10666
Uniao da Vitoria	Rainfall (mm)	184.9	158.6	125.8	110.8	10 1/1	116.9	1442	116.3	139.6	162.0	149.6	158:4	144.9	1738.8
		1029.4	785.8	534.3	438.6	0.968	476.0	668.2	472.2	633.0	815.2	711.0	7.067	•	8250
Palmas	Rainfall (mm)	187.2	169.5	131.7	161.8	199.3	177.0	161.21	128.3	157.1	. 9.8.0Z	179.5	6.19	188.1	202
	R Division 6	922.1	775.4	510.7	716.1	1030.9	787.2	711.6	490.2	681.2	1119.0	856.5	716.8		5317.7
Cievelandia	Rauman (mm)	186.2	52.4	123.1	.162.2	213.8)	167.6	154.6	128.8	151.1	195.5	199.1	9.591	156.5	:398
	R Division 6	\$21.2	652.6	463.1	724.9	1180.3	766.7	668.4	484.8	643.3	1004.5	1037.8	751.1		9238.7
Pate Branco	Rainfalt (mm)	193.7	163.7	123.9	168.8	204.6	168.2	155.7	123.5	163.7	208.5	197.5	175.2	170.4	2045.0
	R Division 2	1167.1	875.4	564.1	971.6	1285.1	67.68	805.9	561.4	875.4	1329.0	1207.5	981.4		11471,8
	R Division 6	87.8	721.9	459.5	760.8	1067.3	740.9	663.4	457.2	721.9	1104.3	1001.9	811.3		97.8
Francisco	Ramfall (mm)	9121	6 991	127.2	157.8	187.8	154.1	143.1	117.1	153.5	209.7	184	8.33	163.1	1956.8
		3 600		1	  -  -	1	0.00	- 502	25	٩	3 900		5		003/24
	7 5 6 5 Y	o co	9	0.0	8	907	97.79	(797)	3	50.0	2,000.0	C'/L7L	3		2

Source: Rufino et al. for Equations of R Factor Computation

Table-A4.4 Description of Agricultural Aptness Class

Group	Handling Level	Description	Aptness Class
1	ABC	Good aptness for crops with handling level A, B and C	1
	ABc, AB(c)	Good aptness for crops with handling level A and B	2
:	aBC, (a)BC	Good aptness for crops with handling level B and C	3
7	aBc, (a)Bc	Good aptness for crops with handling level B	4
2	abc	Regular aptness for crops with handling level A, B and C	5
	ab(c), ab	Regular aptness for crops with handling level A and B	6
: 1	(a)bc, bc	Regular aptness for crops with handling level B and C	7
	(a)b(c)	Regular aptness for crops with handling level B	8
:	(b)c, c	Regular aptnoss for crops with handling level C	9
3	(abc)	Restricted aptness for crops with handling level A, B and C	10
	(ab)	Restricted aptness for crops with handling level A and B	11
: .	(bc)	Restricted aptness for crops with handling level B and C	12
4	Р	Good aptness for cultivated pasture	13
1	Р	Regular aptness for cultivated pasture	14
	(p)	Restricted aptness for cultivated pasture	15
5	S	Good aptness for forest but not for native pasture	. 16
	S	Regular aptness for forest but not for native pasture	- 17
	(s)	Restricted aptness for forest but not for native pasture	18
. 1 1 1	n	Regular & restricted aptness for native pasture but not for forest	19
6	1	No aptness for agriculture	20

Handling Level: A; low technology level with manual labor and use of animal traction
B; average technology level with manual labor and animal traction
C; high technology level with mechanization

Source: Ministry of Agriculture (1981)

Table-A4.5 K and LS Factor for Aptness Class (1/2)

0,5859 2,567 0,0083 0,5859 2,5965 0,0083	KS FACTORS TIBAGE KRUACU	CS AVG. L AVG.L.
2,5905	:	
	3	
4.1500	2	
900.	g !	
4.0120		
	0.016 0.016	5 5.512 5.512
2.007		
	8	
2,000	9.	
2,0036 2,129 0,0867		
	0,002 0,003	3 2,347 2,340
7,867	S S	
1,210,0 1,210,0 1,000,	3 *	
	****	4000
		7
2,291		
Ä	*	
1,2012 2,844 0,050	:	
1,606	ı	ı
	0.000	9 2,289 2,289
1,3141 2,067 0,0732	כישנים כישהם בפ	3 2.967 2.967
1,2012 2,844 0,0611	11 0.061 0.051	1 2,844 2,844
2,075		
1,270		
0.87	92	
2112		
2,574	03	
٠	8 8	
	2	
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2.574	· · ·	
0,700 7117 0,0163	2	
	910'0 910'0	6 2,713 2,233
2000		
1.3141 2.367 0.0667		
	0.10e 0.10e	S 2:086 2:081
1.82	<b>\$</b>	
228.1	14.7	
62000 327,1 6386,0	8	
1,822	5	
6	5	
2.276	3	
		3004
		2024 1,986
	ē i	0.0405

Table-A4.5 K and LS Factor for Apmess Class (2/2)

3	Š	ARFA (%)	36 PPG 18	Aver in the TYPICAL State (Nat) 51,00% (NAT)		TYPICAL ENGTH (m)	K PACTOR	SFACTOR	S.	L FACTOR	KS FACTORS	AVG. KS	AVG. KS	AVG. L	AVGL SUACU
il:	And the second of the second o	·	A . 45	47 000		g	,000	3.879	1,837	. 86					
=		• १	,		1	3 9	8		į	8	Ş				
	Copies Literace Learning (XII)	š •	3 3	400	1	8 8			3						
ĺ	Social Literacial Euthoricos (F.B.)			2	8										ŀ
	Total	8		2,940,100								0.151	0.151	ġ	9
ţ,	Cambinaçio Alto (Ca)	8	3.8	702,900	800	8	0,027	0.677	0.763	1,746	0.018	9.0.0	0.018	7.745	1.76
		;		55	3	ş	ě				5				
	HOSTORIO Vermeno Americo Eurorico (PE)	3 9		000	<u>.</u>	8 1	1		100						
	Podgođao Vermeho Amerićo Distrofico (PV)	3	0-0	100	B	8	9	7.00	3	8	0.460				
	Potrolico Vermeiho Amerido Alico (PVA)	2	8-30 8-30	296,200	7.	8	ģ	(A.)	415	8	0.082				
	Cambinacto Allco (Ca)	~	8	137,700	<b>5</b> .0	8	0.027	639	1,314	5	970.0				
	Sobs Litolisce Eutrafiace (Re)	**	3.30	39,100	0.12	8	0.002	1.602	1,201	1.725	0.048				
ĺ	Total	8		1,804,800								0.047	0,047	1,009	1,069
3	Carlo could change at a county distance in	ş	8	37.800	0.33	\$	0.007	4.785	2,004	100	9000				
•		: 1			Ę	٤	į	1	į	3	6				
	POZDICO Vermeno Americo Auco (PVA)	1		8	1	8 8		2			i c				
٠	Cembrado Alco (Ca)	3 3	2 6		3 6	8 8	3 6	2	3	10.	3 2				
Į	SOICH LITORODE AMOOR (FLB)	٩	3	SOUTH THE	4	*	2000				200				ŀ
	T08i	8		330,600								0.11 <b>.</b> 0	0.116	93.	8
9	Soins Utoliese Distrofece (Re)	ţ	29-45	142,180	Ħ	8	0,00	4,785	28. 28.	20.	0.186				
		æ	8.20	66,300	9.14	96	0.03	4,829	1,314	592	0.000				
	Total	301		107,400								151.0	0.151	1,961	1,065
5	Term Drune Entractorate Strains Alice (TBSs)	en	5	16,400	80	8	9.0	4,785	2007	1.048	0.067				
•		10	8	8	S, O	8	0.032	4,705	2,00	ş	0.152				
	Poctolico Vermeiño Amereio Distrofico (PV)	ន	20-65	0000	Ą	8	0.029	4.785	2007 4004	Đ.	0,136				
	Podzolco Vermelho Amerato Alco (PVa)		9-6	9,600	8	\$	80	0.677	62.0	1,541	0.023				
	Cumbissolo Alco (Cs.)	8	8.3	204,600	1.0	8	0.027	1.820	1.314	2	0.069				
	Tom	<u>\$</u>		312,600					:			0.075	0.074	1.724	1.720
13	Terra Rose Estructureds Deportus (TRd)	ţ.	Ŗ	1,500	0.33	8	6,024	4,785	700	940	0.114				
			8,	1,300	0.33	8	0.033	4.786	28	1.648	751.0				
	Podzolco Vermeiho Amarato Alloo (PVa)	8	20-45	320,400	S, C	8	80	4,786	887	649,	0.162		-		
	Comblescio Aleo (Ca)	18	20 - 45	92,700	0.33	ş	0.027	4,765	2.004	1,648	0.729		***************************************		
	Your	8		00,00								0.140	0.149	1.646	1.548
2	Cambissolo Alco (Ca)	1	ķ	196,200	0,30	8	0.027	4.765	787	1,646	0.129	0.178 87.100	0.129	5	<b>2</b>
2	Solos Litohose Alicos (fl.s.)	1	6	135,700	8	8	0.003	0.877	0,763	¥	0.022	0.022	6,022	2.47G	1.476
R	Cambiesoio Allos (Ca)	*	Ŷ	00/001	99,0	8	0.027	7.500	2.409	7.726	0.205				
		ō	ž	142,000	31.0	8	0000	7,500	2.400	7.726	0				
	Stolos Littaliona Alicoa (Ra)	76	8,30	1,013,000	0.33	8	0.003	4,785	8	1.046	0.157			ı	ı
	1000	90¢		1,336,700								0,170	0.176	1.607	1.867
		,						-							

Assumptions:

(1) Slopes > 20% ere mainty forest or peatle.

(2) Stope lengths are seeumed.

Agos: Agricultural Land Aptitude of Persons for Soil Classes with arter and dope

Table-A4.6 Aptness Class and Computation of Average K and LS Factor for Iguaçu River Basin (1/6)

		Aptress	1	[ <del></del>	<u>-</u>	·					-	<u> </u>		. 1							
		Cless	-1 • [4]	1000	1 223	<u>-</u>	10-1	1 105	00.4	- 64 - 8 151	12 E () B	13 8 547		15 8 151	18 8 074	17 8 148	# CH	15 6 922	28 0 176	{	
			3512	2540	1 967	1 763	2 729	2 081	1 965	1 104	1 745	( (60	1878	1 881	1 726	1 843	1 822	147	1 95.7		1
			<u> </u>		Ares	Paoda	era (te	e net tara	Væ.				<del>,                                    </del>	<del></del>	<del></del>						
۱.,	Marship alog - Condition	Ava Rais	1490	1AEx 1AS(□)	9 1290 1(4)90	e sec Nafe	f flajke Zoc	<b>2</b> 2006(3	)(t): 2e	3(+b)	12 3(%)	13	1	(§ 4(p)	18 55	17 Se	H 50	18 5.	76 B	14L	ME
	Agusta 30	4 201											0 son	U 250					8 750 8 7002	Ø 1700	1 96.70
	To diverge tation													9 24					6 116 6 368	8 1602 8 1760	1 6762
	Petites	0.024	!										8 500	6 500 6 9 19						8 151B	1 6010
	Crop Otles	0 5:0 6 364	<u> </u>											141					6 %4	••••	-
1.7	Arriana Terrendere Fared		<u> </u>						8 750						1750	6 750			\$ 750		
-	Prince and	0 460	<del> </del>		!										B 264	9 253			0 95	\$ 1430	1 8542
	Postura C-m	9 73g 9 167							8 959 8 197						8 8€					8 0140	1 79:0 1 9950
171	Of ent	1.384	1		¢ e30	1 X.0				U 100									8 064		}
-74	Arge # Fare#	1		<del>  </del>						6 267										1750	4 90=0
	Pod regetati Ratu trick to	. I													-					8 9254	1 2921
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129	Others. Arthrep Christs		<del> </del>	<del> </del>			<b>0</b> 250				<b>9 050</b>	B 100	6 105		0 250				9 750		
	fart 24 ng: 2	1125	I									0.670	8 108		8 750		-		₫ 175 ₫ 020	6.1790 6.0033	1 8570
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110	A-12-76	1	<b>t</b>	<b>!</b>			♦ SCE		B 750				175								
		0.725	1_						8 130				P 395		L					8 3571	185:0
	Particular Particular	0 135	1	<u></u>	==		0.015		9 120				_					<b> </b>		0 5:42	2 8214
	Crap Otens	8 496 8 155		<del> </del>			4435						0 155							0 3*60	2 2330
b14	Sara Kora Fares		<b>[</b>	-			4 150					8 130	0 (20	-	F		<u> </u>	<del></del>	H-	H	
	Tri regust Returnation	9 75: 9 307	1		-		P-015					B 130	0 (c) 0 (c)							0 0747 0 0380	9 703 1 1 858 1
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173	Fand		·	* \$2.2						9 730				<u> </u>							
7.7	Primeral Retrievals		<u> </u>	<u> </u>	1					B 143	<u> </u>	<u></u>	<u> </u>	<u> </u>	<u> </u>					# 1£1D	7 85-0
	Parti t Crap	0 237 0 387	1.	+370	<del>                                     </del>		<del></del>			0 237 0 307		<b> </b>	<u> </u>	<u> </u>	<u></u> -					6 15 0 6 0585	1 8G+0 2 2420
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5.57		0 026	1	1_	132	<u> </u>				9 70E									* 0 X		
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	Crap Ozes	0 542	-		110			-		<b>D 242</b>										9 DES?	
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-	Person Oraș	0.08		1	1	1=	<b>8 100</b>	1	4 676	-	91/3	#=	<b>†</b> ==	ţ		<u> </u>		<b>!</b>	=	8 0150	1 8:52 2 1829
170	Cerryo do Terendo	842 8	1	1_	_	<del>                                     </del>	<u> </u>		<u> </u>		B 530	<u> </u>	0 150	<b>♦ 700</b>		8 538	<u> </u>	<u> </u>	<b>2</b> 150		
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	Fritze:		1	-		1	<del> </del>	1			U 062	$\vdash$	4 039	<u> </u>	1	£		$L^-$	6 0%	8 1/60 8 3490	1 (27) 1 (7) (.)
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	2-4-1-4			1		1		1		1	1	1	1		1_	6 134	ê 136	<b> </b>	1 223	81458 81780	1960
	Pres -	U 036				1				1	1-		1		1	9.350			1 30	81453	1 \$490
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Table-A4.6 Aptness Class and Computation of Average K and LS Factor for Iguaçu River Basin (2/6)

				wax.	140k	a 1980	1 1 20C	o najta dag		1 2(P):	.H.		12	14	15	14 55	ļ., <u>,</u>	T	Γ.		a.	14.4
#0 +46	Marking May Conjuments	10494	Area Pafi	33.	1AB(=) 6 \$38	(e)eC	7 2.500		3.0		(d. K 000 0	17 3(sc)	-	- \$-	42	<u> </u>		<b>4</b> 56	16 5	X0 6	A my KS	171
		Fared Delveyrishin	6 041			<b></b>				<b>.</b>	0 0012 0 041				<u> </u>						0 1510 0 1510	18043
		Refurence on Parkura	03/0								eJ@										0 1510	(16)
		Ores	0 S06		1531						9.761			<u> </u>				<u> </u>			1 xet	2 3467
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		živi ve protegy. Rudo estato an	<b>0-821</b>			-	_	<u> </u>		-	B 671				<u> </u>		_			<u> </u>	B >510	,1 9010
7.50	10. 10. 10. 10. 10. 10. 10. 10. 10. 10.	Posture	9 300 9 559	6 <30		8 141 8 150				!=	8 159										8 00%5 6 0273	2 e008 3 35 0
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		Provincial Recorder	8 250 0 017	_	ļ.——			£ 394			150 1013				-			<u> </u>	<u> </u>		0 35 Z	1 EC2
		Pasture Crop	92:4 8:487	8 150	\$ 100	8 150	6 163 6 137	# 05 T		<del> </del>				<del> </del>	<del> </del>						8 62 18	2 2004 2 8058
123	Citrotons	Oters	90/8		* XX	0.00	9 30C				8 130											
		Ford	9 3/3 9 3/4		1111		6 )71				1 340 1 345										8 15 18 8 6787	2 2183
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12.0		Faces Delvegetalan	6879 6621	\$ 356 \$ 207	\$ 100	0 100			-		6277						-	-	-		8 3638 8 3193	2 BC51 3 5:28
		Reforestation Pasture	9 6.73	0 038																	8 9189	3 5 7 8
		Crea City 1	6 673	8 344							<b>0 173</b>										8 9 90	3 5178
H	Cheprisha				<b>₫ 105</b>	9 X4		0 ×0		<u> </u>	6 430		B 190						<b> </b>			
		Parest Indiversity in	0 343 0 343		<u> </u>	<u> </u>	<u> </u>		L		<b>0 733</b>		8 00 B	1							8 144 3	1 1975
		Reforestation Partiet	\$-308 		-			<b>6</b> D90		<u> </u>	9 (87		B 004								8 3078 8 1073	1 8272 2 0)46
2.57		Cray Otivis	6420 6730		0 1500	\$ XX)	$\vdash$	0 122					6 038		<u> </u>			<u> </u>	<u> </u>		4 (70)	2 8765
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		Crap Otver	0.050					•••		9.349										0.00	8 0:50	2 2670
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		Drávejetá a Reistesé a	0 454				ļ			Ø 020		6 236					8 126				B 2541	1 7205
110 110		Pasture Curce	#24# #134	ļ —			<u> </u>	<u> </u>		9 248 8 124							ļ	<b> </b>			\$0140 \$0140	1 8960
£ 15	Carbots	Con s	6 124					9 700						• 3×20			0 174					
	(e) que é para j	Forest Provention	925											<b>♦ 252</b>							₹11 <b>6</b> 5	7 6560
7.7		Refurestation Person	0178			<u> </u>		0 143	<u> </u>	<u> </u>												
		Cros	0 557					4 567						<b>₹</b> 133							0 C 45	1 12 1 2 720 0
152	Case(V)-da	Cotes	0.014		6 330	<b>0</b> 700		9 (36			9 430			<b>\$</b> 514					<u> </u>			
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Table-A4.6 Aptness Class and Computation of Average K and LS Factor for Iguaçu River Basin (3/6)

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Table-A4.6 Aptness Class and Computation of Average K and LS Factor for Iguaçu River Basin (4/6)

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b 23	Patrice va	Orters	4 824	ļ	<b>-</b>		<b></b>		ļ	D XG		0.000	8 750	<b>3 700</b>		U 100				6 024		
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Table-A4.6 Aptness Class and Computation of Average K and LS Factor for Iguaçu River Basin (5/6)

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Table-A4.6 Aptness Class and Computation of Average K and LS Factor for Iguaçu River Basin (6/6)

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Table-A4.7 Aptness Class and Computation of Average K and LS Factor for Tibagi River Basin (1/3)

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1-22 Apucasar a Forest	3022			\$5.5		<b></b>				52 2 31 8										0 1510	1.9040
2nd Viegeta Reforesteds			-	55.2	-		-			20.4	-	-							-	₫ D648	26802
Pasture Grop	74.7			402	ļ								1=1							0 0330 0 0261	2 9 5 7 0 3 7 1 8 7
2 Ctars	0.0			\$50																7,442	
1-23 Araponges Forest	1918 248			19.7						7.3 5.3										0 0591	2.7325
2nd Vegete Reforestable				67.3	i—	<del> </del> -													<del> </del>	0.0330	20370
Pastya Crap	94 0			44	<b>]</b>															0 0330 0 0187	2 0870 3 4865
1-31 Assa	450 5									20 516			-								
Forest	0.3					<u> </u>				0.3	_									<b>4 1510</b>	19040
2nd Vegeta	<u> 1</u>									339										0 1510	1 9040
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Cenara 1-21 California	13.4			29 0						134									_		
Foxe st 2nd Vegeta	. 227			0.5		Î				22.2										0 1494 0 0270	19274
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Pasture Crop	24.5	245																		0 0180	\$ \$120 \$\$120
1-58 Cards	1435	128 8		13.7																	
Forest 2nd Vegets	o 50.7	36.5		13.7		E					$\vdash$		oxdot							0 0221	3 2633
Reforestation Perhane				===		<b> </b>						<u> </u>									
Crop Others	\$3.7	655															-			a 6160	35120
T.B Casba	2,270 4			3.0	4.4		58.4	60 8	897.5		4152		58 0		1984	2257	11.0	24	3103		
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Crop Others	739.4			. 94	44		\$8.4	90 0	5853							-			3 3	0 0270	2 0592
T-28 Congordertus	104 6	425		27.5			24.0									181					
2nd Vegeta Reforestation				<u> </u>												67				0 1490	1.6480
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Crop Others 1.33 Cornelio Procepto	90 t		<u> </u>				102			1161										4 0224	3 1604
Foed	28									2 6										0 1510	19043
2nd Vegeta Referestation	1	1			_					19 2			<u> </u>							0 1510	1.9540
Pesture Crop	150 2	188 2						}—		56 8								-		0.0868	3 5 1 2 0
T-16 Curiora	3618			- 8 4		131.4	2184			5 8					_	6.0					
Forest 2nd Vegeta	0 83.4						3 B 89 4									51				0.0954	2 2130
Rufowilds Pastus		3				9.6	74 8							<u> </u>						0 0160 0 0218	22130 23141
Crop	127 2	1	_	5 6		145.8										- e 1				g 0502	2 649 2
7-58 lbipora	265					<u> </u>				507											
Forest 2nd Vegeta		63 2				1=				485										4 0833	27224
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Crop Others	120	385 8	-	1	-	<del> </del> -	<u> </u>		<b> </b> -	42				<u> </u>		<u> </u>				0 0160	3 5 1 2 0
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Others	9323		<b>!</b>	132	ļ		192 6	22.2	2472		1914			97 2	22.2				<b>_</b>	0 0160	2 2 130
1 8 Iprarga Forest	710	1	<u> </u>		<u> </u>	1	7,34 6	100	<u> </u>				29 6	25 8	44.4		_		11	Q 1039	1,707.7
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Forest 2nd Vegets		<u> </u>		<u> </u>		<del> </del>	2 9	1	<b>—</b>					2 0 24 7		-			[ <u> </u>	0 1510 0 1247	1 6510
[Raforestation	n 21		1	-	ļ	<b> </b>		ļ'	1=	=	1_	1==		20						0.1510	16810
Pasture Crop Others	76	2	<del> </del>	1-	=	1=	762	-			ļ	1_	1		L_,					0 0160	2 2130
1.9 N.S	2(2		<del> </del>	143	<del> </del>	<u> </u>	520 <b>6</b>	- 33	140	26.7	1			33 8	43						
Forest 2nd Vegets		3	1			=	45.3	,,	140	20.7	-	_	<del> </del>	83 247	<u></u>				<u> </u>	0 9510	1 6810
Reforestation Pasters	12	. I	<u>†</u>	<u> </u>			129	1	-	<del> </del> -		1	1	<u> </u>				<u> </u>		0 6180	22130
Crop Ocers	78		$\vdash$	34.1		-	824		_				1				_			0 G191	2 3520
135 Jeszino Foreși	138				ļ		F			137 6		<b>_</b>								0 1510	1.9043
2nd Vegeta	Ser 1		<b> </b>	<u> </u>	<b>!</b>	<b>!</b>	1_	1=		0.4	1		1_							0 1510	19343
Reforestati Pashes	710			-	1	<u> </u>	1==			707		=	<u> </u>			-				0 1510	1.9048
Cros O#+1	107	6 <u>                                      </u>			_	<u> </u>			<u> </u>	126			1							0 0370	32714
f 41 (appeds forest	88	5	-	-			<u> </u>	<del> </del>	<del> </del>	54.7 0.6	I	<u> </u>	<del></del>		_	<u> </u>			<u> </u>	8 1510	19040
2nd Vegeta	<u> </u>	P	-			-	_	<u> </u>	<u> </u>	50	-	<del>  -</del>	1	-						0.1516	19040
Reforestab		6T		1			1	<u> </u>	I	7.9	1	L_	1					I	Ι	0.1510	19040
Reforestation Fasture Crop Others	7) 55	14 2	1	1	1	1	ľ			413	ŀľ	1								D.1170	23154

Table-A4.7 Aptness Class and Computation of Average K and LS Factor for Tibagi River Basin (2/3)

2	Municipally	Land Usa	Arth (un2)	Apt. closs	Cless	Apl cless	Apt. class	A.L. tass	April class	Apl class	class	Apt. class	Apl cluss 12	Др. 6918 13	Apt (951 14	Apt cless 15	Açt. c'asa 18	Apt. clest	Apt class	Apt class 18	Aça Cass 20	Average	Average 1
	Londina	Foresi	2 095 6 120 0			2134	24.5		3(3)			150 t 102 5		0.5			•	68 I 17 S		-17		0 1505	10667
	[	Znd Vegetetor Referentation	B410		=	1563	24.5		3131			347.8										0.0747	2 2 2 2 6 9
		Pagtura Crop Others	3103 7727 503	248 2 7 <u>72</u> 7		821						_		_				50				0 0210 0 0180	34029 35120
1-20	Watersta do Sul	Forest	1522	28.5		84.0			25.5			33 e 56 D										0 1510	19040
-		Znd Vegetation Reforestation	50 8			199			25 4		-	17.4										0 0597	2 3478
		Pasture Grop Others	9 2 55 2	26 5		37.7		=														0 0330 0 0265	2 9670 3 2018
1-19	Maus de Saira	Forest	480			03			180			22 8		84				2.7				0 1010	1 6578
		2nd Vegetallor Reforestation	215									17.5		40								0 1317	1 0 6 0 3
		Pastura Crop Others	104 110		-	03		·	53 307			- 51			-							0 0022	2 0615 2 2338
1-52	Nova Arterica da Colin	Farest	1333	89.0								313			_								
	[	Znd Vegetabor Reforestation	107									19.7										0 1510	19040
_		Pastura Crop Others	33.7 88.9	10 1 39 9			_					23 6		_	<u> </u>							0 1611 0 0183	2 3858 3 5120
129	Neva Fatima	Forest	833	16.2		220		_				रेंब इ											
		Znd Vegetation Referentation	7.1					-				7.1								П		0 1510	1 9048
		Pasture Crop Others	50 3	16.2	<del> </del>	22.9						26 1 11 2	-			<u> </u>	=					0 1510 0 0544	1.9/348 2.9/358
1-25		Forest	1122	640		476					01	0.3											
		2nd Vegetation Reforestation	5 7		_	45					01	0.5										0 0367	2.7622
		Pastura Crop Others	100.7	<u>840</u>		36.7																0 0330	2 057g 3 3134
1-15	Ortigueira	Forest	1,598 5			155 8		100 8	299 (	38 1	418	178.7	223	25.3		315	193	8332			63	0.1790	1 6 5 7 0
		2nd Vegelabor Referentelion	500 ¢															508 D 108 B			29 8	0 1490	1 64B3 1 652 I
		Pastura Crop Others	271 6 655 7			155 0		100 B	299 4	39.1	416	158 7 10 D	_22.5	22.3		31.5.	193	183			8.7	0.1258	1.0175 24606
13	Psimeira	Foresi	1227 i			800			31 8		106.9		498 8	612			262 1	75 0	0.9	26 5	38 i	0 1760	1,6570
	[	2nd Versimoor Referentiation	401.4 50.4											.17.1	45.4		262 1	75 8	0.8	26 5	23.9	0 0924	16954 15668
	1	Pastura Crop Others	200 7 552 7 2 8			B0 0		-	31 6		1069		164 B 334 2	44.1				_	_	_	26	0.0241	1.7289 2.0028
T-12	Peni da Sul	Forest	\$65.2 19.2			569			90.7	57.B	372.1		14.1	24 C		43 8	010	2			1402	0 1780	16570
, J. J.		2nd Vagetation Referentation	285.1 10.5										23 9	24.0	12	43 8	0.70	31			107.6 10.5	0 1193	16920
		Pastare Crop Others	420 0 213 5			568			90.7	57.6	357.0		70 2						_	=		0.0172	23026
1.7	Porta Grosse	Fp/est	1,870 b			26 6			25 0		8242		7018	24 1			71.7	111	51	59 6	96 9 5 3	0 1793	16870
ź	or as konf≬	2nd Vagetable Reforestation	329 8 75 0 580 6						<u> </u>		14.4		1700	24 8	26.9		71.7	118	0,1	24 5 35 1	39 9	0 0456	1,7340
		Pesture Crop Others	928.4 53.7		-	26 0			25 0		48 8 775 4		5310		ļ				_		53.7	0 0178	1.7895 2.0584
7.1	Parla Ameronas	Forest	53 B										18	22.4			33						
		Znd Vegetellor Reforestellon Pesture	27 8						<u> </u>	_			_	3 0	28		33					0 1063	1 6578
		Crop Others	20 1					_					1.6									0 6447	16750
[43		Forest		113.3								30 6											
		žná Vegetabor Referestation Pasture	234	160								_24										0 0601	3 0 0 3 5
		Crop Others	95.2 25.2	962								23 2										68180	3 5120
140		Forest 2nd Vagetation	187,4	1610								46 6										0 1510	19040
		Relocestation Posture					_	<u> </u>	Ì														1 3040
		Crop Others	150 B 38 4	1410	_							384										D 0265	34075
1-10		Forest 2nd Vegetation	555 6 33 104 0		53	448			291 6		29.8	141.7	226			186	20 20					0 1049 0 1510	17071
		Reforestation Pasture	86 5 136 4	~~~					9ê D		29.9	27.1 10.1	221			173						D 1069	17931
		Crop Others	245.7		53	448			195 8													0 0154	
7.57		Forest 2nd Vegetator	19 8	19 0	<u> </u>			_			<u> </u>				<u> </u>							0 0180	3 5 1 20
		Reforestation Pasture			Ì										<u> </u>					~			. 2 2 20
		Crop Others	36 S 0 B	0.0																		0 0180	3 5120
	Sarta Cacifa do Parac	Forest 2nd Vegetsbor	595	67.6	<b> </b>	13						19.1			_								<b> </b>
		Ruforestation Pastern		_		=						_	==			==;							<b> </b>
-		Oraș Othera	59 5	476	-	15						19 4										0 0580	36447
						275	r			) [	14	7.0	3		1		ı	10		1 1	i		L
1.27	Serto Artores do Para	Forest	351 <u>5</u>	64 8		-												20				0 1490	
1.27	Serto Artorio do Para			64.9		23 1					0.6	D 4						20 73				0 1490 0 1490 0 0349	1 6480

Table-A4.7 Aptness Class and Computation of Average K and LS Factor for Tibagi River Basin (3/3)

		Τ.		खा	All	Apt.	Apt.	Į.	TQ.	Apt	Çşt.	Apt.	Apr.	Apl clera	Act closs	Apt.	COSS	A)E	Apl	ApE	AT	Average		ì
Νo	atunicipality Len	nd Use (Kr		C 055	class	Cass 3	cars	6422	7	6:021		. 11	12	13	14	15	16	17	18	18	2.	KB	Average t	ı
[13	Sea Jerorame de Serte	65		1711		337		-	125 8		77.5	2073		135 9				1021					16490	ı
1	Forest		<del></del>						-					110				90.7		<del></del>		0 1430	1 9503	ı
-		431af OF	~																				7.	ı
	Pastu	/0 13	38 \$				_		125 9			14 0 253 5		122 9				· <del>-</del>		÷		0 0576	1 6930	l
	Crop Othan	, l	4	106 6		35.7			ונייניו		17.3	7533					$\neg \dashv$	4.4				00744	23382	l
1.50	Seo Sebastao de Amoreira	21	17.0	204.2		6.1						1.1												ŧ
	For a s		<u> </u>			62						7.1	=	<u> </u>	<u> </u>						<b>!</b>	0 9377	2 0236 3 2446	ł
		<u>residen 1</u> residen	10 6	54		-04				$\vdash$						-	-					0 0234		1
	Pashi	ir <b>o</b>	30.3	36.3																		0 0180	3 5 1 2 0	1
	Crop Other		60 5	1505						l					-							0.0160	35120	ł
7.77	Sapopame		51 6			14		793	449			15 8		33				307.2					1	ĺ
	Forms		50.7															50.7				0 1490	1 6490	l
		(egetition 11 restation	61.7			-				ļ		-		-				1612	}⊹	├		0 1490	16490	ł
1-	Party		66.6															999		<u> </u>		0.1493	1 6480	1
	Crop	2	20 3			_14		79.5	44 9			15.8		رد	<del>}</del> —			754	<u> </u>	<b> </b>	1	0 0844	2 2212	ł
7.0	Cet+- Sedare)e	· ,	287	226.7						<del>}</del>				<del></del> -		, <u> </u>				<del></del>	Н		<b></b>	ł
	Fores		άP	0.9																		06:80	35120	١
		1000000	12	12		<u> </u>														<u> </u>	-	0.0153	35120	1
	Pesh	restuison							<u> </u>	<del>                                     </del>		i —	<del>                                     </del>	<del> </del>	<del> </del>								†	1
_	Crop	1	\$2.5	152 5					1	1												0.0183	3 5120	1
7.52	Sertenopoirs			72 1 394 2		<u> </u>			83	<del>├</del> -	<del> </del> -	131	ļ		<del> </del> -	<del></del>			<u> </u>	<del> </del> -				ł
1	Fores		-							<del></del>		80		t	<u> </u>							61510	19040	1
	2nd V	vegetation 1	40.4	74.5	L				الله إ			65.1										0 0747	2 7590	ł
-	Refor	ra sheban	23.7	237				-				<del> </del>	ł	<del> </del> —	ł		<u> </u>		<del> </del>	<b>├</b> ─	$\vdash$	6.0180	3 5120	ł
	Crop	2	96 D							1												0 0 1 0 0	3 51 20	ı
7.3	Taxara Souras	ns S	12 6			ļ	<b>├</b>	<u> </u>	1 557 6	1 80 8	3715	120	499 5	ļ	<del>}</del>	37	35.3	10.0	<b>├</b>	<del> </del>			}	ł
1-3	Fore		92.5						1	1 ***	3,7,0		1423	<del> </del>	<del> </del>	37	353	10 6		<del> </del>		0 0392	1.7346	1
	2nd\	Vegelefor 6	22.7		<u>i —</u>		<u> </u>				295 5		237.2		<b>I</b>				_			0 0175	1 8974	1
<u> </u>	Rafo Fast		19 B				<b> </b>				61.0		115 6	<del> </del>	╁┯				·	<del> </del>		0 0160	1.7450 2.0240	1
	Crop	4	67 B	-		t	<del> </del>	l	302.0	800			<u> </u>	<u>t</u>		1				1		0 0341	2 1765	j
	Othe	3	25.5			2 8	1 46 7	.,,,,	5727	ļ.,,	178 4	L.,,	245.7	148.4	-33	655	213			<u> </u>	12	ļ	ļ	ł
1	Te'emica Barba Fare		143.2	<del> </del>	├		1-48-	12	372.	<del>  ```</del>	11/00	1 25.0	1233	1		-222				<del> </del>		<del> </del>	<del> </del>	1
	2761	Vacatator 1	107.6				1	107.1		1	1		1	1	i							0 0510	2 64 40	1
1	Rafo Past		45 8		<b>├</b>	<u> </u>	<del> </del>	46 0		44.4	178 4	31.5	2432	186 4	1 17	695	<del></del>		<del> </del>	<del> </del>	-	G 0343 G 0510	1,9854	1
}		· 1	175	·	t	2 0	787			t				1	1-			1	Í	t	1	0 0167	2 3853	1
	[Ct-e	17	61 6 26 6					<u> </u>	400 1		674.5	1	227.5		1.67	15 3	211	<u> </u>	300	ļ	3815		<del> </del> -	4
۳	Tesp Fore		30 6		╂	<del> </del>	<del> </del>	<del> </del>	1	+	0/4.3	1-20-		1	1	1	100.	<del> </del>	1 300	<del>†</del>	130 \$	0.1780	1 6670	ł
1	(274)	Venezac 8	994.2			<u> </u>	<u> </u>						1225	74.5	194.1	1740	262 4		3.4		2.75	0.0652	1 70 00	1
4	Rafo Fast		250 ) 750 B		ļ		<del> </del>	<b>}</b> —	<b>├</b>	-	227.4	86.0	444.7	<del> </del>	┧	ł	<del> </del>	<del>├</del>	35.4	<b>-</b>	220.0	0 1712	1 54 58	ł
1	Cross	7 1 1	\$50 €		1			<u> </u>	008 0	0.9				L_	1_	İ		<u> </u>				0 0166	2 1142	j
	1	12	30 1 209 6	143.1			_	ļ.,	<del> </del> -	<del> </del>	<b></b>	66.5	<del> </del>	<del> </del>	<b>├</b>	<b>├</b>	<b>├</b>	┝	<b>├</b>	╄	30.1	ļ	┼	ł
1:-3	Fore		21	23321	├─		<del>  -</del>		<del> </del>	<del> </del>		21		┼	<del> </del>			<del> </del> -	<del></del>	<del> </del>	+	6 1510	17848	ł
	2 2 2 2	Vegetador	0.9			İ	1			1	1	0.0			1=				ļ		ļ	0.1510	1,9040	1
-	in the factor of	×11500	25.3	<u> </u>	├	-	<b></b> -	1-	1	—	+	26 3	.	<u> </u>	-	+	├		⊢-	1-	├—	0 1510	1 9040	ł
1	Crop		11.4	143.	1	1	<u> </u>	t	t	1	1	383		İ		t	<u> </u>		$\Box$		1	0 0461	3.1725	1
	]	25	500 1	<u> </u>	μ_			1	20.1	Ļ	171 6	$\vdash$	18 9	1	80 4	513	二			4_	48 1		<del>  </del>	4
1	Vertunia Fore		122	<b>†</b> -	<del> </del>		<del>                                     </del>	┼~~	1-60	<del>'</del>	3516	+	1-22.	+	1 00	313	<b>†</b> -		1	┼─┈	122	0.1780	1.6070	1
	270	Ve an table	65 1		<b>!</b>	1_		_		$\Box$			1=	1	454			1			T	0 1261	1 6632	1
	Refo Past		88 5 90 5	l	<u> </u>	ऻ	<del></del>	<del>  -</del>	·}	┼	67.5	. <del> </del> —	10.0	<del>.  </del>	14.2	32 8		<u> </u>	<del> </del>	ł	35 9	0 1652 0 0320	1 6737 1.9080	1
1-	Crop	p 1	1440			t::		t	29.7	<u></u>	1143		1	1	<b></b>		1	<u>i_</u>	<u>t.</u>		1	D 0158	2 0630	1
<u> </u>	1 004	P3			<u> </u>									<u></u>			1		1				-	1
L	Total	25,0	0610	L												·						<u> </u>	L	ı

Note: Land classified as aptress codes & or 10 does not occur in the Tibegi Basin

## Table-A4.8 C Factor for Current Soil Loss in Iguaçu River Basin

Fact	or (Corrent) - area we	eighted a	verage p	er munic	lpality - I	guac <b>u B</b>	asia		···	·	<del></del>	r	r	Γ	r		r	1		1	· · · · · · · · · · · · · · · · · · ·				F-	1		г				<del></del> -				T
İ							<b>4</b>	<b>.</b>			Beans	C Factor beans	Beans NT	C Factor	]	Meiza	C Factor	Maize NY	C Factor	Sovbean	Sorbean	Ç Factor sovbean S		Factor Cobean I	otelo I	Polaka C	Fáctor	Coffee	Coffee	C Factor	Wheat	Vineal	C Factor wheat	Wheat	C Factor	Avara
No.	Municipality	Region ESPAR	Crop [ha]	Conon	Cotton (fr.)	CORON	Sugarcane (ha)	Sixparta va	sugar.	Bears (ha	Conv. (h.)	conv.	(0)	beans NT	Maize (ha)	conv. (k.)	CONV.	(1)	maiza NY	(ha)	Scybean conv. (fr.)	core.	NT(b)		(Pa)	(4)		Coffee (ha)	Coffee (B.)	coffee	(Pa)	conv (F)	corv.	NT (* )	wheat h	™ ακοβία: 0.12
	sudos do Sul	2	13,500				L		<u> </u>	1200	<del>                                     </del>	0 211			10600 2200	1	0.112				├ <del> </del>	-			100 300		0 361 0 361					<u> </u>				0 16
13 4	mirante Tamandare	21	3,700				300	1	0.112	1100		0 25625			7300		0.192			3300		0.4:6		1_							1500		0.418			0.24
-25 A	Nscia Ofnia		15,500						<del>                                     </del>	7400 4100	1-1-	0 200	ļ	<u> </u>	7 #00 15500	88.0	0.098	0.02	0 008	200	0 33	6 338	0 67	a 028	1600		0 361 0 361			<u> </u>	530	1-1-	0 330			0.15
20 A	nucaria Isa Noya		24,400 7,200							2300		0 211			3300	. 1	0 112								1600		D 361				<u> </u>	1				0.19
73 B	V13C30	21	14,900				600	1	0.517	1600		0.25825			12200 18900	1	0.192	l	}	190		0.436		-+							1000		0 418			0.11
	uruna xa Esperanca de Iguacu	19	26,900 13,500				300			5900 2700	1	0.132			8100	,	0.19			2200	1	0.401									1000		0 401			0.23
	a Vola da Aparecida	19	12,000	1000	1	D 248	100		0 117	2300		0 253			5000	1	0.19	ļ		1300		0.401	3.75	11 PA							1500	1 1	0 405			0.19
	um Sucesso do Sul	21	6,900 1,000					<u> </u>	<del> </del>	1500 300	1 1	0 25525		ļ	3320 700		0.112	<u> </u>		2100		<u> </u>	7.7	104								1-1-				0.14
	ampine Grande do 546 ampo do Tenente	1	13,100	l						3000	1	0.200			6500	٠	Q 098	<u> </u>		500	9.56	9 338	9.44		1000		0.261					l'	<u> </u>			0 14
	mpo Largo	2	15,200							3300	1	0 215			9200	1	0.112			*****		A 220			2700	1	0 361				3540		0 409		0 025	0.17
1-45 C	140	20	38,500	<b> </b>			ļ			2706		0 26125			24200 24600	0.99	0.192	001	0.01	11200 2400	0.7	0 409	966	0 025	-+						3549 420	1	0.409		0 02.5	0.20
	intagalo spanema	20 19	30,300 22,900				200	1	0.117	5360	111	0 753			7500		0.19			9200		0.401									3000	1_1_	0 401			0.26
195 C	plao Leonidas Marques	19	15,700	1100	1	0.248	200 600		0.117	1700 600	+ +	0 253		<del>                                     </del>	6300 15800	0.65	0.19	0.35	DÇL	5800 37400	965	0.401	0 35	0 034			_				700 6668	05	0.401	0.5	0.034	0.21
	turderas	19	56,400 24,800	1000	1	0.248		••••		500	1	0 253			17800	0.91	0.19	0.09	0.01	4500	0.74	0.401		0 034							350	1	0.451			0 19
	u Ard	19	4,100	200	1	0 246						<u></u> _			1700	0.96	5.19	0.04	001	2100	0 94	0.401		9 034							2764	1-2-	0.401			0.26
<u>149   C</u>	Paginzinna	21	41,700						ļ	3800	1	0.25025			24600	0.91	0.192	0.09	061	12900 15500	0 33	0.416	0.67	964						-	1200	0.17	0.418		0.024	0.17
	everand a	16	31,600	<b></b> _					<del> </del> -	2908	1	0132	}		12100 900	1	0.119	<del>                                     </del>		10 3/11	- 1	0.302	- 1			+-						<u>*"</u>	V.744		4.4.4	0 15
	olombo polenda	2 2	1,630	<del> </del> -			l	<del> </del>	1	700 3200	1	0211	<u>†                                    </u>	L	6000		0.112								3290	1	0 351									0.20
	pronei Vivida	21_	28,900	<u> </u>			İ		L	1200		0.25625	Ţ		13000		0.192	ļ		8100	0.8	0.416	£4	0.04			[			l	I	$\vdash$			<u> </u>	0.21
	ruz Machado	16	56,600						ļ	28800	1	0.132	<b></b>	ļ	26800	-!-	0.119	<del> </del>	├—— <b>-</b>			<del></del>  -						∤		<b> </b> -	250		0 362	<b>├</b>	<del>                                     </del>	0.12
-56 C	ruzeiro do foraco	19	4,830	ļ			<b> </b>	<b>-</b>	<del> </del>	600		0 253	}	<del> </del>	2700 4000	<u>1</u>	0.112	<del> </del>	<del>  </del>	1400		0.401	-+		500		0 361			· ·	2000		0.401			013
18 C		30	4,500	<del>                                     </del>			400	<del>- ; -</del>	0.117	1900	-,-	0 253		l	13500		0.19	t		3600	•	0.401								L	2000	1	0.401			0.22
	pis Viginhos neas Marques	19	9,730	t		-	l	<u> </u>		4200	1	0.25625	1		\$100	i	0.192		1				$\equiv$				$\Box$			I	350		0.416	$\Box$		0.21
	zenda Rio Grande	2	5.400	1			<u> </u>			1400		0 211		L	3100		0.112			700	1				200	1	0 361	!		l		<b></b>		<b></b>	ļ	013
1-72 F	or de Serra do Sul	19	3,200					L	ļ	300	1	0 253		ł	2700	0 93	0.19	0.02	0.01	100 6300	0.00	0.001	- I	0 934		<del></del>	<u> </u>				150 525	1 :	0.401		<del></del>	0 13
	sz do igu acu	19	8,700	ļ		<b></b>	<del>                                     </del>	<del> </del>	<del> </del>	5400	<del> </del>	0 25825	<del> </del>	<del> </del>	1900	5 99	0.19	0.01	0.01	3200	0.95 0.81	0.416		0 04	<del></del> {		+				1500	0.85	0.4:8	0.15	0.04	0.20
	randisco Bethad eneral Cerneiro	21 15	36,000 24,300	<del> </del>						2700	<del>L                                    </del>	0.132		L	21600	1.	0.119				7		-					]			1					0.12
-63 G	ograniacu	19	11,800	200	1	0 243			Ţ	900	1	0 253	1		9000	1	0.19	1	0.008	1500 64900	0.5	0.401	0 S 0 35	0 034 0 028			[-	J		<b> </b>	1270	0.08	0.401	0.92	0.028	0 19
39 G	uara puava	18	154,500 35,400	<del></del>			<b></b> -	<del> </del>	1	10800 2900	<del> </del>	0.132 0.25825		<b></b>	78300 16300	031	0 192		0.00	13800		0 416	0 34	0.04							1600		0.502	0 39	0.028	0.55
89 1	onorio Serpa enva	19	35,400 4,200				160	1	0117	100	1	0 253			3100	0.77	0.19	0.53		800	0 31			0 034		1				<u> </u>		<u> </u>				0.14
	acio Martiro	16	21,700							7400	1-1	0.132			11300		0 519		<b></b>		<del>!</del>										46	<del>  . '</del>	0 338			0.12
28 2		4	22,000	ļ					ļ	10100	<del> </del>	0 200		<b> </b>	11200 6100	0.98	0.192	- 504	001	700 5900	0 92 0 95	0.338		0 026 C 04	-+	—- <del> </del> -				<del> </del>	830	<del>  ;</del>	0.416	$\vdash$		0.28
	spejara DiQesta	21	13,000	├			··		<del> </del> -	1900 30600	<del>                                     </del>	0 25625	<del> </del>	}	36000	1	0 096	1	- <del></del>	14100	0.91	0 338			7000	1	0 361				1200	0.79	0 338	021	0 024	0.16
+21 L:	nga Branjeiras do Suli	20	87,500 36,000	<del> </del>			t		<del> </del>	5000	1 .	6 26125		<b>—</b> —	26300	0.78	0,192	0.55	0.01	4700	0	0.409		0 025							1941	0	0.409	1	0.025	
94 L	nduesia	19	18 DO0 26,400	2900	1	0 248	300	1	0 117	500		0 253			11300	11	0.13	<u> </u>		500	1	0.401		0.026		·. +	0 361			ļ	230	1 '-	0.461			0 20
130 V	3%:	16			ł			ļ	<del> </del>	13190 5300	0.97	0,432	0.03	0.009	13300	3 9	0.119	0,1	0.008	1400		0.362		0 020	800		0 361	1			150	1				0 15
	lanceritata lancueiriaha	20	18,630	<del> </del>						2400		0.26125			13900	0.62	0.192	0.15	0.01	14300	0.02	0 409	0 18	0 025	300		0 361				1200	1	0.439		924	0.10
1-52 N	lariopolis	21	11,300				200			1200		0.25625			12900	0 47	0.192	0.53	0.01	6100 2100	0.5	0 416 0 418	05	0.64 0.64							100	97	0.418	0.3	0.04	0.19
	ameleiro falelarcia	19	29,500 5,900	100		0 246	200	,	0117	4700	<del> </del>	0 25625	f		2500	1	0.19	1		3000	1	0.401									1967		0.401			0.26
1-98 N	(edignera	19	16,600	200	1	D 248				2420	+	0 25625			4900 6900		0.192			11000		0.453 0.416	<u>-</u>		-		<del>{</del>			l —	150	1-3-	0.401	-		0.32
179 N	eva Esperanca do Sudoeste	21	8,400 8,100	<del> </del>		<u> </u>	ļ	ļ	<del>                                     </del>	2100 1100	1	0 25125	l	<del>                                     </del>	5800	0.98	0.192	0.02	0.01	500	0 37	0.429	0 53	0.025			t				135	0.5	0 409	0.5	0.025	
1-62 N	ova Laranjeiras ova Prata do Iguado	19	17,900							5000	6 95	0 253	0 05	0 009	7400	0.93	0.19	0.07	0.01	5000	0 95	0.401	0.05	0 034						ļ	1000	1	0.401			0.24
	almas	16	53,000							2700		0 132	ļ	ļ	24900	0.94	0 119		0.006	24400	0.47				500		0 361			<b></b> -	553	0 68	0.362	032	0 028	
	almeira.	<u>  • •                                   </u>	10,100	ļ	<b>!</b>			<b>!</b>		500	1	0 200	<b></b>		4200	0.5	0 098 0,192	0.5	0.006	5300 13300	0.44	0.336 0.416	0.55	0.028	100		0 361			<del> </del>	456 700	1 1	0.338	V.X	- 4 ×4.0	0.12
	alo Branco	16	25,100						·	2500 390 <u>0</u>	1-1-	0 25625	1		9000 \$800	1	0119		<del>  </del>	5000		0.362		t-			$\neg$									0.19
31 0	aula Freitas aulo Frontin	16	16,200 20,500	l	1		l		<del>                                     </del>	7200	i i	0 132			9830		0.119	Ī		3500	1	0.362							!	<u> </u>	ļ	<u>'</u>	<u> </u>			0.16
	erola da Oeste	19	15,900	Ī			\$00	1	0.117	2100	11_	0.253			7500	. 1	0,19	<b></b>		4900		0.401								<b>}</b> -	4570		0 431			0 24
18 P	-en	1 - 2	12,900	ļ				L	<del></del>	2300	ļ	0211	<b> </b>	<del> </del>	10200	1 1	0115	+	<b>├</b> ──-{		}}			}-	1300	++	0.351 0.351			1	230		L			0.13
1-6 P	vitais inhal de Sao Bento	21	3,800 1,800	<b> </b>	<u> </u>	<u> </u>	1		1	300		9 25625	L	<u> </u>	1200	1	0.192	1		100		0 416						i		1	450	1	0.416			021
-0	:120	15	100,800							6000		0.132	<b></b>		43400	0.4	0.119	0.6	0 000	45400	9	0 362		0.028	800	-;	0 361				3300	0.55	0.362	9.45	6.624	0 04 D 14
	yadırara Sanailo	2	5,500 18,200	<del> </del>		<b> </b>	<del></del>		t	2660	<del>  ,</del>	0 253	1		4700 5800	1 1	0.112			10000	- ;	0 401		t							3000		0.421			0.30
	ario Amazonas	1-7-	4,800	Ţ	1	i		1	1	700	1	9 200			2900	1	0.098	L		1100	0.5	0 336	0.8	850.0	190		0 361	1		1	<u> </u>	<b>↓</b> ˈ	<b> </b>	ļ		0.11
34 5	orto Vitoria	16	5,500	1	<b> </b>				1	1200	1	0.132	<u> </u>		3800	1	0 119	ļ			$\vdash$ : $\exists$	0.40	F		-+	—F				1	5000		0.401	<u></u>	<del> </del>	0.10
76 2	tanchila Juato Barras	19	2,600	<b> </b>	ł		100	- 1	0117	-2200 1200		0 253	· · · · · ·	<del> </del>	\$000 1400		0.19	1		6600		0.401										F :				0 15
<del>á</del> lo	tuedas de Iguacu	19 2	24,500		1			1		2700	0.81	0 253	0 19	0 009	17900	0 69	619	031	0.01	3900	0.21	0.401	0.79	0 534	3200		0 361			<del></del>	210	0.76	0 431	0.24	0.034	0.17
:6 C	tuedas de Iguatou Mandinha	19	21,600 20,700	ł	<del></del>	l	200	,	0.117	6700 1700	1-1-	0.211	<del> </del>	$\vdash$	8900	0.99	0.112	0 61	001	9300	<del>  ,  </del>	0.461		+							4658	-;-	0.491		<u> </u>	0.26
27 5	lealeza lebouras	1_4_	29,100	1	<u>t                                    </u>		1	<b></b>	1	10/500 1100	<u> </u>	0.250		i	14500	0 98	0 096	0.65	0 006 0 01	2600	0.9	0.338	Q.1	0.028	900	•	0.361			1	198		0.338	ū š	0.04	0.15
54 F	tenascenca	21	18,500	1	<b> </b>	l	<u> </u>	ļ	1	1100		0 25625	ļ	ł	18200	0 96	0.192	0.64	6 6 1	900	0.76	0.416	D 24	0.028	500	. 1	0.361		-	1	100	0.5	0.416		L	0.15
53   F	to Borila do Iguacu	20	31,500 5,900	1			<u> </u>		1:	13900 700	1 2 .	0 200	<u> </u>		4400	0.79	0.192	0 21	C \$1	900		0 409	0.5							Į	500	04	0 409	0.8	0 025	0 17
	ke Negro	1 4	14,100	1	1					5100	1	0.200			8600	1	0 098	1	]	330		0.338	1	0.026	100	1-1-	0.361			1	<b>!</b>	<u> </u> '	ļ.,,		<u> </u>	0.13
74 15	aignog f dho		8 300		1		100	- 1	0 117	1300	1	0 25625	I		6700	9.05	0.192	0.02	0.01	3540	1-:-1	n an.		-	∤-			100	7	0.219	350 1500	5 9 3	0.416	607	0.034	0.19
90	allo do Corba anta trabel do Ceste	21 19 19	15,600	700		0.245	200	5	0 117	4430 1100	0.98	0 253	0.02	0.009	9500 6500	0 95	019	0.02	001	1500 7200	0.59	0.401	0.01	ОСИ						ţ	4000		0 491			0.28
		19	003,8	400 400	1_1_	0 246			1	1200		5 253	1	1	3900		0 19		1	2900	11_1	0.421								1	130	1 1	0 491		0 634	0.26
13 Is	ante Lucie	1	13,400	406		0.245	100	1	0 117	-			1	<del> </del> -	5100 1700	0.85	0 19	0 15	0.01	7500 6300	04	0.451	0.6	0 D34				<del>{</del>		1	1669 839	04	0 401	0.6	0.034	0.34
93 S 95 S	ante Lucie ante Tereza do Oesle	+ <del>:</del>	8,400	100	<del>                                     </del>	0 245			1	4500	1-5-	0.25825	1	L	5430	695	0.192			2400	0.79	0418									1500 3300	0.9	0.416			0.24
93 S 95 S	ante Lucie ante Tereza do Ouste ante Terezinhe de Italipu	19 19 19	15 900		1		200	1	5107	900		0 25625	ļ		11900		0.192		C 51	9400		0.416	0.21	D D4		<del></del> -1-				<del> </del>	3300	09	. 0 418 _	61	0.04	
93 S 95 S 130 S 75 S	ante Lucie ante Tereza do Oesle	19 21 21	15 900 22 900	<u> </u>	ł				4	3600	1 .	0.200	1	<u> </u>	9800	0.9	6 098		0.008	600	_0.33_	0 338	667	0.028	300		C 361			↓	l	L	L		0.357	0.18
93 5 95 5 30 5 75 5 58 5	iante Lucie iante Tercza do Ceste iante Terczinhe de Italipu ianto Antonio do Sudoeste ian Jean ian Jean do Triunko	21 21	14,300	<u> </u>		I					+							0 03	0.01	500	0.53	or anks											0.404	6.75		0.44
93 5 95 5 30 5 75 5 58 5 24 5 55 5	iante Lucie ante Terezra do Ceste ante Terezinhe de Italpu anto Antonio do Sudoeste ano Jean an Jean do Triunto an Jean do Triunto	21 21 	14,300 17,700				500		0.112	1500		0 253		<del> </del>	21700	0 97	0 19	1				-2.25.7	0.47	0 D34		-,	0.365				434	0.75	0.451	D 25	0 934	0 1
93 5 95 5 95 5 95 5 95 5 95 5 95 5 95 5	ante tucia ante Tercara do Cesta ante Tercara do Cesta ante Antonio do Sudoesta ano Jean San Jean do Triur lo ano Jose dos Pribais	21 21 	14,300				<b>}</b>	i	0.112	1900 6500		0.214			21700 18800	0 9?	0.112	<b>——</b>		8600	, ,	0 338			1200	1	0 361				450	<b></b>	0.338	D 25	0034	0.1
93 5 95 5 30 5 75 5 24 9 55 4 99 5	ante tucció ante Tereza do Ceste ante Tereza do Ceste ante Artone do Sudoeste las Esto do Triumilo ao Jarge do Ceste ao Jarge do Ceste ao Jose dos Parka's ao Majes do Sud ao Majes do Sud ao Majes do Sud ao Majes do Sud	21 21 19 2	14.300 17,700 29,400 43,500 18,700	400	1	0 246			————	1900 6500 17100		0 211			21700 18800 3700	0 97	0.112	<b>——</b>		8600	, ,	0 338		L	1200	1					1	<u> </u>	l	. D 25	0034	0.14
93 5 95 5 60 5 75 5 24 5 55 5 4 5 26 5 99 5 60 5	sante truc's ante Tereza do Certe ante Tereza do Certe ante Tereza do Sudoeste ante Antone do Sudoeste ante Antone do Sudoeste ante Irao	21 21 19 2	14,300 17,700 29,400 43,500 18,700 7,600		3	0 246			————	1900 6500 17100		0 211 0 200 0 26125			21700 18800 3700 8000	0.95	0 112 0 098 0 193 0 192	<b>——</b>	0.01	8600 12500 400	1 0 94	0 338 0 401 0 409		0.034	1200		0 361				450	<b></b> _	0.338	D 25	0034	0 1- 0 2- 0 1- 0 2-
1-93   5 1-95   5 1-1-00   5 1-7-5   5 1-5-5   5 1-4   5 1-60   5 1-59   5	sante turce and to the carde Terest do Ceste annie Terest do Ceste annie Terest do Ceste annie Antonie do Suddeste annie Antonie do Suddeste and Lone do Ceste and Lone do Ceste and Marce do Suddeste and and and and and and and and	21 4 19 2 4 19 2 4	14,300 17,700 29,400 43,500 18,700 7,800 6,760		1	0 246	<b>}</b>	1 1	0.117 0.117 0.117	1900 6500	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	0 211			21700 18800 3700	0 97 1 1 0 95 0 65 1	0.112	<b>——</b>		8600	, ,	0 338		0.034	1200						400 548 750		0.338 0.401 0.409	D 25	0034	0 14 0 16 0 29 0 16 0 22 0 12
1-93 S 1-95 S 1-00 S 1-75 S 1-76 S 1-24 S 1-65 S 1-4 S 1-60 S 1-60 S 1-51 S	sante truc's ante Tereza do Certe ante Tereza do Certe ante Tereza do Sudoeste ante Antone do Sudoeste ante Antone do Sudoeste ante Irao	21 21 19 2	14,300 17,700 29,400 43,500 18,700 7,600		1	0 246			————	1900 6500 17100 1000 400 700 3600	1 1 1	0 211 0 200 0 26125 0 211 0 200			21700 18899 3700 8000 6100 7100	095	0 112 0 093 0 19 0 192 0 192 0 112	<b>——</b>		8600 12500 400 1600	1 094 1 1	0 338 0 401 0 409 0 409		0.034	1200		0 361				430 548		0 338	025		0 14 0 16 0 29 0 16 0 22 0 12
93 S 95 S 130 S 75 S 24 S 26 S 26 S 26 S 27 S 28 S 28 S 28 S 28 S 28 S 28 S 28 S 28	ante turce anter treeza do Ceste ante Tereza do Ceste ante Tereza do Ceste ante Antone do Sudoeste ao Exo do Tivar lo ao Exo do Ceste ao Exos do Ceste ao Exos do Ceste ao Exos do Ceste ao Exos do Ceste ao Exos do Ceste ao Exos do Ceste ao Exos do Ceste ao Exos do Ceste ao Exos do Ceste ao Exos do Sud res Barres do Parana rispo da Versa do Parana rispo da Versa do Parana rispo da Versa do Parana rispo da Versa do Parana rispo da Versa do Parana rispo da Versa do Parana rispo da Versa do Parana rispo da Versa do Parana rispo da Versa do Parana rispo da Versa da Parana rispo da Parana rispo da Versa da Parana rispo	21 21 4 19 2 4 19 20 20 20 20	14,300 17,700 25,400 43,500 18,700 7,600 8,000 24,300 15,100	400		0 246			————	1900 6500 17100 1000 400 700 3600	1 1 1	0 211 0 200 0 26125 0 26125 0 211 8 200 0 132			21700 18990 3700 8000 6100 7100 18900 9600	095	0 112 0 093 0 192 0 192 0 192 0 112 0 098	0.05		8600 12500 400 1600	1 094 1 1	0 338 0 401 0 409 0 409 0 338 0 362		0.034	1200		0 361				420 548 750 400	,	0 338 0 401 0 409 0 338	025		0.14 0.16 0.29 0.18 0.12 0.12 0.12
93 S 95 S 130 S 75 S 24 S 26 S 26 S 50 S 50 S 50 S 50 S 50 S 50 S 50 S 50	ante tucce arrive feet and telephone de librou anno feet	21 4 19 2 4 19 2 4	14,300 17,700 25,400 43,500 18,700 7,800 8,900 24,300	400					————	1500 6500 17100 1000 400 700	1 1	0 211 0 200 0 26125 0 211 0 200			21700 18899 3700 8000 6100 7100	0 95 0 85	0 112 0 093 0 19 0 192 0 192 0 112	0.05		8600 12500 400 1600	1 094 1 1	0 338 0 401 0 409 0 409		0.034	1200		0 361				400 548 750		0.338 0.401 0.409	025		0 14 0 16 0 29 0 16 0 22 0 12

Abbraviation in area function, Conv.: Soil Conservation Applied, NT: not altage applied

Source EMATER database for area of crop land, conservation and non-billage application, crop productivity, application of grean manure and chemical fertilizer ESPAR database for insteorological data, familing system, crop sequence etc.

C factors of specific crop with different conditions were determined by ESPAR (Roioff, 1995)

### Table-A4.9 C Factor for Current Soil Loss in Tibagi River Basin

																				,																
C Factor I	Current) area weighted av	arage per muni	deleality - Tiba	ol Pasin		····		<del></del>				r		<del>,</del>		<del></del>	<u> </u>	<del></del> -									1		· · · · · · · · · · · · · · · · · · ·				Γ			r
1		1				الحاا		l <u>.</u>	ا ا		1	C Factor			i	1	C Factor		00.4.			C Factor	C- AAAA NI				C 5			C Factor	Ullhard	Wheat	C Factor	WheatNT	C Factor	Average
No.	Municipality	Region ESPAR	Crop (ha)	Cotton (ha)	Cotton (fr.)	C Factor cotton	Sugarçane (ha)	Sugarcane (fr.)	C Factor sugarcana	Casas Das	Beans Conv. (ir.)		Bears NT (h.)	C Factor beans NT	Mara De	Marze ) conv. (fr.)	maize conv.	Marze NT (fr.)	C Factor maize NT	Soybean (ha)	Scybean conv. (fr.)	soybean conv.	Soybean N7	C Factor	Potato (ha)	Potato (fr.)	C Factor potato	Coffee (ha)	Coffee (fr.)	coffee	Wheat (ha)	conv (fr.)	wheat conv.	(fr.)	wheat NT	cropland
No.	Apucarana	12	7500	100	COUCK! SIV	0 248			305311237.0	200	CO. 10	0.5		DC412 (4)	3600	0.0	0 065	0.2	0.008	2200	0 86	0.343_	0.14	0.063	V 0.0.0 (P 2)	10.000	10.0.0	1400	1	0219	657	06				
	Arapongas	12	9400		-	0 248	300	<del> ,-</del> -	0.117	100	<del></del>	0.1			2500	093	0 065	4 07	0 006	5500	Q 86	0 343	0.14	0 053				1100	1	0.219	2157	0.76	0343	0.4	0 063	0 1617 0 2245
	Assai	10-10	36300	100 2200		0.246			<b></b>	400	1	0.5			9000	1 1	0 087	7	9 3 T F	24300	1	0 306	1					400	1	0 223	12000	,	0.306			0 2449
	California	12	2500	100	1	0 245 0 245				400	1	0.1			1900	1	0.065				1		T	ì I				100	1	0 219						0.5840
	Cambe	9	9300				100	1	0.117		ì				2000	071	0.128	0.29	0.008	6400	0 79	0.255	0.21	0.021				800		0 223	5093	0.53	0 255 0 266	0.47	0 021	0.1822 0.0467
1-8	Casho	5	73900					I		4400	0.86	0.18375	0.14	0.005	26 100	0.3	0 053	0.7	0 007	41400	0.11	0 266	0.89	0 026			l	L			11798	. 0	0.266	1	0.026	
T-28 (	Congonhinhas	9	8000	300		0 246 0 246	900 700	i	0.117	500	11	0.1			2400	1	0.128			3200	1	0 255	ļ					1000		0 223	196		0.255			0 1932
(3)	Cometa Procepio	9	16600	300	1	0 246	700	1	G 117			L			1600	0.94	9.128	0 06	8008	11300	1	Ð 255						2500	1	0 223	2683		0 255			0.2296
1-15	Duriura	7	12700	1		<b>!</b>			L	3600	<u> </u>	0.1355	<u> </u>		7100	1	0.132	l			1	<u> </u>	<del> </del>				ļ	1400	!				0 306		L	0.1264 0.2949 0.1088 0.0805
1.36	Ipipora :	10	18600		i			<u></u>	L			L			300		0.067			16600		0.306						1700	1	0.223	2000		0.306		0.000	0.254
	Imbityva	14	23700					<u> </u>		5700	0.98	0.169	0.05	0.009	11400	079	0 097	821	0.009	6200	0.3	6 297	07	9 0 2 6	50.0	1	0.361				1999		0 297 0 297	0.6	0 026	0.108
	lpîrança .	14	31100					L	ļ	2200 3500	ļ!	0.169	ļ		22100	0 68	0 097	0 32	0 009	6500	0 25	0.297	0.75	0 026		<b></b>					1399	0	0.338		V 02-0	0.151
<u>"</u>	rati	<del>                                     </del>	7600			1		<u> </u>				0.20025			3900	<u> </u>	0.098			200		0.338		*****			<b></b>				B7		0 297			0.118
7.9	Mai	14	7700			2012		ļ	L	3100	<u> </u>	Q.169			4100	0.89	0 097	0.08	0 000	400 5900	0 17 0 95	0 297 0 306	0.63	0 026							1860		0 306			0.2040
	Jala zinho	10	16800	500	. 1	0 246		ļ				<b>⊢</b> -			4400	0.92	0 087	0.00	0 009	3400	0 94	0 255	0 05	0 021							993	·;	0 255			0 2004
	Leogofs	<del>                                     </del>	5600	200		0 245				1500		0.1			2000 27800	0.02	0.128	0.13	0.008	40200	0.84	0 255	0 15	0 021			I	2000		0 223	12000	Q73	0.255	0 27	0.021	0.178
	Londrina	1-3-1	77300 6600	80Q		0240	<del></del>	<del> </del>		9500 300	} <del>- :-</del>	0.1			3800	0.87 0.39	0.045	0.51	9 008	2400			1 1	0 020				7000 100		0 223	593	0	0.21	1	0 021	0 178
7.30	Maritandia do Sul Maus da Sona	13	1100						<b>—</b>	770	<del>                                     </del>	V. *			600	· <del>  - V 33</del> -	0 045		0 008	500	<del>`</del>		<del>  '</del>	0.050			l				215	1	0255 021 021	·		0.024
7-32	Nova America da Colina		8900	490		0 246	3600	<del> </del> ,	0.117	30G	1	0.1			1100	+;	0.125		0000	3000		0 255		1				500	1	0.553	1800	1	0.255			0 8245 0 1761
	Nova Fatima	10	5000	200		0 246	- 2000	<del></del>	2.1.7	100	<del>-                                    </del>	01			1200	0.72	0 067	0.28	0 009	2800	0 87	0 306	0 13	0 D34				700	1	0 223	792	0.8	0.306	0.2	0.034	0 2103
	Nova Santa Barbara	6 1	16100	4000	- 1	0 246				104	———	1			1500	0.81	0.128	019	0.008	4500	0 85	0 255	0.15	0 021							1500	0.81	0.255	0.19	0.053	0.212
	Ortiqueira	1 7	65600						i	14490	1	0.1855			45500	0.98		0.02	0 007	2600	0 85	0 276	0.15	0 024							771	1	0.255 0.276			0 142
	Palmeira	1	55300							2800	1	0.20025	i -		23100	0.5	0 132	0.5	0 008	26800	0.44	0.338	0.56	0.050	500	1	0.361				2045	0.68	0.338	0 32	0.028	0 121
	Pirai do Sul	5	22000							2600	,	0 18375			12000	0.7	0.053	0.3	0 007	6800	0.18	0.256	0.82	0 026	400	1	0.361 0.361				500	0 29	0,266	074	0.026	0.074
	Fonta Grossa	1	82600						1	5800	1	0 20025			36300	0.63	0.098	6.37	0 008	40500	0 32	0.338	0.68	0.058			1			1	6594	04	0.338	0.5	0.028	0.1041
	Porto Arrazonas	1	2000							300	1 1	0.20025			1100	1	0 D98			500	0.2	0 333	0.8	0 028	100	1	0.361	li								0 124
[-43	Primeiro de Maio	10	9600	100	L	0 246			I		1	L			900	1	0 007			8500		0.306		L			<b>.</b>	100		0 223	451	1	0.306			0.564
	Rancho Alegre	10	15100	200	1	0 246									2500	1	0.087			12400	1 1	0 306	<b></b>	i			i				6000		0 306			0 268
	Reserva	14	24500	l		L			I	9100	1	0.169			15000		0.097			500		0.297	<b>↓</b>	l			i				377	•	0.297			0 127
	Rolandia	12	3700	~			600	11_	0 157		<b> </b>				700	9.7	0.065	0.3	0.008	\$000	0,82	0 343	0.38	0.063				400		0.219	1211		0 343	0.3	0 063 0 021	0 127. 0 1790 0 2021
	Santa Ceci la do Pavao	<u> </u>	6900				<b></b>		<b></b>	200	1	01			2100	1 1	0.128	ļ		4600	0 94	0 255	0.06	0.021			<b>.</b>	ļ			1200	0.87	0 255 0 255	D 13	0.651	9 202
	Santo Antonio do Paraiso	- 9 -	10900	300_	1	0.245			1		ļ	ļ			2300		0.128			6300	0.94	0.255	0 06	0 021	<del></del>		<u> </u>	12.50			4000				l	0.188 0.188
	Sao Jeronimo da Sena	<u> </u>	50100	9000		0 246		L		2400		0.1			23500	1 1	0.128			7800		0.255	ļ					17400 300		0.223	1209 3568	8 92	0 255 0 255		0.821	0.135
	Sao Sebastiao da Amoreira	9 1	16100	_500	1	0 246	6900	1	0.117		<u> </u>	ļ			1500	0.88	0.128	012	0.008	6900	0 51	0 255	0.09	0 D21			<b> </b>	300		0 223	3300	6 92	0.535	0.08	- V 67 I	0.149
	Sapopema	<b>↓</b>	22000							4800	<del> </del>	0.1855			16500	11	0.132						I				<del></del>	700		0.223	2199	0 92	0.306	0.00	0.834	0.149
1143-1	Sertane a	10	15300					<b></b> -			<del> </del>	<b> </b> -			3200	+!	0 007			12100	0 86	0 306	0.14	0.034		~	<u> </u>	900		0 223	2914		0.306	0.00	0 0 34	0 287
r-39 - 3	Sertanopolis	10	29600	<del> </del>		ļ		ļ	<b></b> _		<del> </del>	1 20000		4.000	2100	<del></del>	0.087		0.008	26600		0 306	}	0.000	800	<del></del>	0.361	300		A (52)	1164		0 366 0 338			0 0883
1:3	Te xeira Soares	+	40800			<u> </u>	<u> </u>	1	l	9800	9.58	0 20025	0.42	0.006	16300	0.53	0 098	0.47	0.008	13300	0.5	0.336	0.B	0.028	000	·····	0.391				1704					0.137
	Talamaco Borba	+ ; [	9800			ļ	<u> </u>	<b>!</b> -	li	1200	1-2-	0 1855		A 005	7700	+	0.132	A 54	A 402	400	A 00	0 276	0.92	0.024			F				13945	0 14		0 66		0.051
11-11	l &agi	+ <del></del>	85700	1400		0 3/6	<del> </del>	<del> </del>		2600	0 57	0.1855	0 33	0 005	26500	0.44		0.56	0.007	55700 \$1000	0.08	0 306	1 V 32 -	0.024			·	700	├ <del>┈</del>	0 223	3100	-41	0,306	***		0 237
1-34	Y ai	10	18100	1400		0.246		<del> </del>	l	600	<del></del>	0.18375			5200	0.92	0 087	500	0.005	8600	0 13	0.266	0.87	0.026							1845	0.37	0 266	0 63	0.026	0.0596
1-13	s'entania	Abbreviation		للسيسما			Щ	<u> </u>		600	1	0.38375		i	1 3200	1 692	1 0 023	0.08	0.005	9000		L 0 400	1 V8/	0.020			L!	L	L		1,4-3					

6 (4400 to 0.15375 5200 to Abbreviation for a real fraction, Conv.: Soil Conservation Applied, NT: non liftage applied Source: EMATER database for area of crop fand, conservation and non tillage application, crop productivity, application of green manure and chemical fertilizer ESPAR database for meteorological data, farming system, crop sequence etc.

C factors of specific crop with different conditions were determined by ESPAR (Rotoll, 1995)

Table-A4.10 Current Soil Loss from Iguaçu River Basin (1/8)

	Current								-		
		T	Total			Avg. non-	A/ea	Terraced	Γ	USLE	
			Area		Average	terr. L	Fraction of	cropiand	Average	soil loss	Régional
No	Municipality		. (Xm2)	R Factor	KS factors	factor	Canduse	(fraction)	<u> </u>	(tria yr)	contribution
-17	Agudos do Sul	Forest	2430	5697 5697	0.0000 0.1780	1 6870	0 002		6 0001	356	0.162
		2nd vegetation		5697	0.1502	1.6762	0 340		0 0030	4.6	
		Reforestation		5697	0.1780	1.6670	0 068	•	0 0010	1.7	
		Pasture		5697	0.1510	1 6810 1 6569	0 008		0 0100	14.5	
<del></del>		Crop Others		5697	6 0000	0 0000	-8068-	0.414	V 1200	60 9	
17	Almuante l'amandare		173.5	5334	0 0000 0 0000	0 0000	7-7			7.7	0 025
		Forest		5334	0.0000	1.6642	0.480		0 00001	4.0	
		2nd vegetation Reforestation		5334	0.0000	0 0000	0.000	····	0 0000	00	
		Pasture		5334	0 0607	1 7810	0 239		0 0 100	58	
		Crop Others		5334	0.0000	1 9950 0 0000	0.197	0 0 16	0.1642	192	
178	Ampere	loners .	3079	10581	0 5000	6 3000				19.6	0113
	The second secon	Forest		10581	0 0000	0 0000	0 000		0 0001	0.0	
		2nd vegetation		10681	0.1510	1 9040	0 267		0 0030	92	
<del> </del>		Reforestation Pasture		10681	0 0234	2 2321	0 000		0.0100	56	
		Crop		10681	0 0326	2 9550	0.407	0.714	0 2473	37.7	
		Others	4317	6481	0.0000	0 0000	0.000			120-	0 097
1:3	Antonio Olinto	<b>IForest</b>	431.	- <del>8</del> 481	0.1780	1 6670	0.125		0 0003	<del>  62</del> ~	0.091
3	[대통] 삼 경제로 살인하다	2nd vegetation		5481	0 0833	1 6945	0.448	<u> </u>	0.0030	2.7	
		Referestation		6451	0 0000	0 0000	0.000		0.0010	0.0	
		Pasture	<b></b>	6481 6481	0.0000	0.0000 2.1187	0.000	0 038	0 0100	00 296	<del> </del>
L		Crop Others			0 0000	0 0000	0.105			1	
110	Araucaria		425.8	5337	0 6000	0 0000	2		0.644	13.8	0.116
	【 전화 : 조취하다고 한다.	Forest 2nd vegetation		5334 5334	0 0571	0 0000 1 8519	0 225	<del> </del>	0 0001	1.7	<del> </del>
بالمسب		Reforestation		5334	0.0000	0.0000	0.000		0.0010	00	
		Pasture		5334	0.0142	2 0214	0 135	A 144	0.0100	729	
		Crop Others	ł	5334	0 0000	0 0000	0.455	0.103	0.1344	72.9	<del> </del> -
111	Barsa Nova	News Line	319.7	5697	0 0000	<b>1~878887</b>	7			83	0 050
		Forest		5697 5697	0.0747	6.0000	0.000		0.0030	22	
	he 보통 로바 하셨습니다.	2nd vegetation Reforestation	<del></del>	5697	0.5160	1.7023 1.6560	0.261		0 0010	1.1	<del></del>
	1 - 고급하다는 사람이 하고	Pasture		5697 5697	0.0160	2.2330	0.507		0.0100	20	
	1 - 사회 설립하는 모든 없는	Crop Others		5697	0.0000	2 2330 0 0000	0 225	0.061	0.1989	29.7	ļ
173	Barracao	Tone.3	315.5	11069	0.0000	10000	27		<del> </del>	62.5	0 369
		Forest		11069	0 0000	0.0000	6 000		0 0001	0.0	
200		2nd vegetation		11069 11069	0.1510	0.0000	0 193		0 0030	9.5	!
	를 소리하늘 때 보는 바닷가 하고?	Reforestation Pasture		11069	0.1510	19040	0 237		0 0 100	31.8	
	[1] 학교를 보고 그를 하면 하시다.	Сгор		11069	0 0595	2 2420	0 387	0.433	0.1922	107.7	
T3E	Brunina	Others	1,178.8	8250	0.0000	0.0000	0.183			76	0.168
-36	Dan hita	(Forest	1,110.0	8250	0.1780	1 6570	0.370		6 0001	1 62	
		2nd vegetation Reforestation		8250	0.1196	1.7173	0 369		0 0030	5.1	I:
	<b>4</b> 1 超自己超级多级数据	Reforestation Pasture		8250 8250	0.0000	0.0000 1.9950	0 000		0 0010	23	
2.7		Crop .	1	8250	0.0158	2 2094	0 555	0.043	0.1121	24.3	<del> </del>
		Others			0.0000	0.0000	0 026		1	<u> </u>	6360
167	Boa Esperanca do Iguacu	Forest	249.4	11723	0 1515	1 9040	0 005		0.0001	77.5	0.360
1		2nd vegetation	·	11723	0.1510	1.9040	0.157		0 0030	10.1	t
		Reforestation		11723	0 0000	0 0000	0 000		0 0010	0.0	·
		Pasture Crop	<del> </del>	11723	0.1510	1.9040 2.4924	0 542	0.641	0 0 100	33.7 120.9	<b> </b>
		Others		1	0 0000	0 0000	0.000		1		
131	Soa Vista da Aparecida	TC-sc-	2197	11723	0.0000	0 0000	19		0.000	19.2	0 079
		Forest 2nd vegetation	<b> </b>	11723	0.0000	1 9356	0 202	l	0 00001	10.0	1
		Referestation		11723	0 0000	0 0000	0.000		0 0010	0.0	L
		Pasture	I	11723	0 0330	2 9570 2 9272	0.229	0.706	0.1926	11.5 26.2	
-		Crop Others	ł	11723	0.0000	0 0000	0.535	V.100	4.1340	1	<u>t                                     </u>
<b>T</b> 35	Bom Sucesso do Sul		1353	11069	7 7 7 7 7 7 7 7 7	0.0000	21			15.1	0.045
		Forest 2nd vegetation	ł	11069 11069	0.1187	1.9871	0 000	I	0 0000	7.8	h
		Reforestation	$\vdash \vdash$	11069	0 0000	0.0000	0 000	I — —	0.0010	0.0	<u> </u>
	1	Pasture		11069 11069	0 0090	2 2690	0.234		0 0 100	23	I
		Crop Others	<del></del>	11069	0 0279	2 3250	0 507	0 628	0 1883	30 6	
hr	Campina Grande do Sul	- Tarina	78.4	5334	0.0000	0.0000	3	<u> </u>		16	0 007
		Forest		5334	0 0000	0 0000	0.000		0.0001	0.0	
-	<b>∤</b> eAlimotysiise	2nd vegetation Reforestation	<b>!</b>	5334	0.1210	1.6569	0.463	<del>-</del>	0 0030	32	<b>—</b> —
1-	tan sa Sa Sa Sa	Pasture	I	5334 5334	0.0152	1 9159	0 253	1	0 0 100	1.6	T
		Crop		5334	0.0156	2 1839 0 0000	0.126	0 056	0 1416	19.0	1
איני	Саттро do Tenente	Others	314.0	- E481 -	0.0000	0.0000	6036	<del> </del>	<del> </del>	9.8	0.058
	Composer revenue	Forest	1	6481	0.1780	1.6670	0 027	<u>                                     </u>	0 0001	0.2	<u> </u>
		2nd vegetation		6451	0.1452	1.6712	0 376		0 0030	1 47	
-		Reforestation Pasture	l	6491 6481	0.1780	1 6670 1.7168	0.059		0 0010	19	<del> </del>
100	1-1-6-5-5	Crop	<del>                                     </del>	6481	0.0180	1,7450	0 418	0 228	0.1454	173	
		Others			0.0000	0.0000	0 000		1	1	R H H H
La	Campo Largo	learnet	277.7	3334 3334	0 0000	0 0000	0 000		8 0001	650	<b>6</b> 338
		Forest 2nd vegetation	<del> </del>	5334	0.1458	1.6420	0.327	t	0 0030	3.8	1
		Referestation	I	5334	0.1780	1.6670	0.001	I	0 0010	16	
		Pasture Crop	I	5334 5334	0 1490 0 0737	1 6480 2 0894	0.096	0 0 1 6	0.0100	13.1	<del> </del>
		Others	I		6 0000	6.0000	0.510	1	† <del>*****</del>	- <del> </del> -	<del> </del>

Table-A4.10 Current Soil Loss from Iguaçu River Basin (2/8)

			7.4.1			1	1	Terraced		VSLÊ	
			Total Area*		Average	Avg. non- terr. L	Area Fraction of	cropland	Average	SOIT IOSS	Regional
No	Municipality		(km2)	R Factor	KS factors	factor	Landuse	(fraction)	C	(l/ha.yr)	
	Candoi		9267	903	0.0000	00000	20			19 1	6 332
		Forest		9063	01310	19010	0 100	-	00001	03	-
		2nd vegetation		9063	0.1510	1 9040	0 241		0 0030	78	
		Referestation		9063	0 0000	0 0000	0 000		0 0010	00	
		Pasture		9063	0.1405	1 9311	0 202		0 0100	246	
1		Стор		9063	0 0215	2 6315	0 385	0.549	0 2043	28.3	
1		Others			0 (000)	0 0000	0.072				-
1 45	Cantagalo		771.7	9063	0 0000	0 0000	20		- XXX	£2.5	0 904
		Forest		9063 9063	0 1780	1 6670	0.105	<del>-</del>	0 00001	0.3	
		2nd vegetation		9063	0 0830	3 5554 0 0000	0 270		0 0010	35	
		Reforestation Pasture		9063	0.1170	17446	0 231		0 0100	185	
		Сгор	<del></del>	9063	0.0532	2 3457	0.391	0.167	0 2083	145.0	
		Others	<del></del>		0.0000	0 0000	0 003				
186	Caçanema		3717	17211	0 0000	0 (000)	19			562 03	0391
		Forest		11211	0.1510	1 5045	0.002		0 0001	03	
	the service and the first first first	2nd vegetation		11211	0.1510	1 9040	0.041		0 0030	9.7	
		Reforestation		11211	0 0000	0 0000	0 000		0 0010	00	
		Pasture		. 11211	0.1510	1 9040	0.310	0 647	0 0100	32.2	
		Others		11211	0.0468	2 2892 0 0000	0.081	0 647	0 2830	73.0	
165	Capitao Leonidas Marques	Covers	260.2	11211	8 0000	6 65366	19	<u> </u>		26.2	0.128
-74	Capitad Econitad Branders	Forest		11211	0.1510	19040	0.050		0 00003	0.3	
		2nd vegetation		11211	0.1510	1 9040	0.021		0 0030	9.7	
$\pm$		Reforestation _		11211	0 0000	0 0000	0.000		0 0010	0.0	
		Pasture		11211	0 0955	2.4035	0 300		0 0100	25.7	
1	I NAN LAMBARAN S	Crop		11211	0.0223	3 3570	0.559	0 730	0 2705	29.5	ļ <del></del> .
-		Others	1,1792	4 (954	0.0000	0 0000	0.070				0.193
1-90	Cascavel	E Brace	1,1/92	11732	0.1510	1 9040	0 008		0.0001	03	U. 193
		Forest 2nd vegetation		11732	0.0992	2 0302	0 258	<del> </del>	0.0001	71	<del></del>
		Reforestation		11732	0.1510	1.9040	9 017	1	0.0010	3.4	
		Pasture		11732	0 0107	2 2604	0 2 1 4	l	0 0100	28	
		Crop		11732	0.0216	2 8098	0.487	0.845	0 2188	12.5	
		Others			0.0000	0 0000	0.016		,		
1-58	Catanduvas		59J <b>9</b>	11723	0.0000	0.0000	19	ļ	~~~	747	0 164
		Forest		11723	0 1510	19040	0.043	l	0.0030	22	·
	[1] [4] [4] [4] [4] [4] [4] [4] [4] [4] [4	2nd vegetation Reforestation		-11/23 11723	0.1510	1 9040	0 0 1 5	l <del></del>	0.0030		<del>                                     </del>
	医遗析 医电气容易变性	Pasture		11723	0.0305	2 8948	0 203		0 0100	3.4 10.4	
7		Crop		11723	0.0330	2 5170	0.418	0.735	0.1952	283	
	「紅いさん」 こうりゅうがん	Others			0.0000	0 0000	0 000		1		
1-96	Ceu Azui		9151	11/32	0 0000	3 0000	13			0.8	0.013
		Forest		11732	0 0636	2 6051	0 873	l	0 6001	0.2	
		2nd vegetation		11732	0 0180	3 5129	0 027	<b></b>	0.0030	22	
		Reforestation Pasture		11732	0 0000	0 0000 3 5120	0.000		0.0100	7.4	<b></b>
		Crop		11732	0 0 180	3 5 1 20	0.033	0.947	0 2819	5.9	
<del></del>		Others	<del> </del>	-77/34-	-8888	6 8 8 8 8	-8623-	- V 37/	V 2013	1 7 3	<del> </del>
113	Chopinzinho	***********	955.7	9063	6 5000	0.0000	21			168	0.300
		Forest		9063	0.0470	1.6690	0.045	l	0 0001	1.01	
		2nd vegetation Referestation		9063	0 1443	1.8889	0 249		0.0030	7.4	l
		Reforestation		9063	0.0470	1 6690	0.006		0.0010	0.7	
		Pasture		9063	0.1073	2 0106	0 247		0.0100	19.5	
		Crop Others		9063	0 0281	2 6080	0.420	0 664	0.1777	22.5	<b></b>
172	Clevelandra	100.6.5	587.3	9299	0 00000	80000	18	<del></del>		181	0 226
******		iForest		9299	0.1780	1.6670	0 042		10000	83	
		2nd vegetation		9239	0 0889	1.5579	0 231	l	0 0030	3 9	
		Reforestation		9299	0 0000	0.0000	0.000	I	0 0010	0.0	
	↓ 日本の表記である。	Pasture	I	9299	0.0165	1.8338	0.219		0.0100	28	
<b> </b>	机解放性 医阴茎	Crop Others	<b> </b>	9299	0.0158	2 2070 0 0000	0.449	0 369	0 2451	34.6	
13	Colombo	, 50 7.13	105 3	5331	0 0000	0 0000	2	<del></del>	<del> </del>	4.0	0 508
<del>- ``</del>	<u> </u>	Forest	† ~~~~	5334	80000	7 70000	0.000	<b> </b>	0.0001	1-86	<del> </del>
l	🖡 "谁有点,因此可以有效的。	2nd vegetation	t	5334	0.0541	1,7335	0 454	1	0 0030	15	T
<u> </u>	<b>}</b> * 1	Reforestation		5334	0.0000	0 0000	, vwv.		0 0010	00	
		Pasture	ļ	5334	0 0140	1 9950	0 248		0 0100	1.5	ļ
		Crop Others	<del> </del>	5334	0 0140	0.0000	0.124 0.174	0 000	0.1552	18.5	ļ · · ·
1778	Contenda	100,613	219 0	5697	0 0000	0 0000	2.174	<del> </del>	<del> </del>	18.7	0 077
<del></del>	CONTROL OF THE STATE OF THE STA	Forest		5697	7 6000	78888	7000	<del> </del>	10001	1-88	V V/1
l —	1	2nd vegetation	i	5697	0.1160	1,6560	0 253	l	0 0030	3.3	<del> </del>
· · · · ·	1	Reforestation		5697	0 0000	0.0000	9 000	1	0 0010	0.0	<u> </u>
	]	Pasture		5697	0 0348	2.1248	0.176		0 0 100	4.2	<u> </u>
	1	Crop Others	l	5697	0 0160	2 2 3 3 0	0.557	0 059	0 2017	30 2	<u> </u>
	4	P1A.5K 1)	1	<u> </u>	0 0000	0 0000	0014	ļi		357-	6.446
YEX	Coronal Varida		7777	4 4 4 7 7 7	T MANAGE						V.540
150	Coronel VNCa		₹873	11472	0.0000	1 9040	7008	}	<u> የ</u> እንደለጉ		
150	Coronel Vivida	Forest	₹873	11472	0.1510	1.9040	0.003	<b> </b>	0.0001	03	1
150	Coronel Vivida	Forest 2nd vegetation Reforestation	8873	11472 11472 11472	0 1510 0 1510 0 1510	1.9040 1.9040 1.9040	0.003		0 0030 0 0010	99	
150	Coronel Vivida	Forest 2nd vegetation Reforestation Pasture	8873	11472 11472 11472 11472	0.1510 0.1510 0.1510 0.0555	1.9040 1.9040 1.9040 2.3853	0 005 0 314 0 002 0 234		0 0030 0 0010 0 0100	03 99 33 152	
150	Coronel Vivida	Forest 2nd vegetation Reforestation Pasture Crop	E873	11472 11472 11472	0 1510 0 1510 0 1510 0 0555 0 0330	1 9040 1 9040 1 9040 2 3853 2 5244	0 008 0 314 0 002 0 234 0 425	0.476	0 0030 0 0010	99	
		Forest 2nd vegetation Reforestation Pasture		11472 11472 11472 11472 11472	0 1510 0 1510 0 1510 0 0555 0 0330 0 0000	1.9040 1.9040 1.9040 2.3853 2.5244 0.0000	0 008 0 314 0 002 0 234 0 425 0 020	0.426	0 0030 0 0010 0 0100	\$3 99 33 152 665	Next
150	Coronel Vivida  Cruz Machado	Forest 2nd vegetation Reforestation Pasture Crop Others	1,4307	11472 11472 11472 11472 11472 11472	0 1510 0 1510 0 1510 0 0555 0 0330 0 0000	1 9040 1 9040 1 9040 2 3853 2 5244 0 0000 0 6000	0 008 0 314 0 002 0 234 0 425 0 020	0.476	0 0030 0 0010 0 0100 0 2113	03 99 33 152 665	0.524
		Forest 2nd vegetation Reforestation Pasture Crop Others		11472 11472 11472 11472 11472 11472 8250	0.1510 0.1510 0.1510 0.0555 0.0330 0.0000 0.1734	1 9040 1 9040 1 9040 2 3853 2 5244 0 0000 0 6000	0 068 0 314 0 002 0 234 0 425 0 020 16	0.476	0 0030 0 0010 0 0100 0 2113	83 99 33 152 665	0381
		Forest 2nd vegetation Reforestation Pasture Crop Other's Forest 2nd vegetation		11472 11472 11472 11472 11472 11472 8250 8250 8250	0.1510 0.1510 0.1510 0.0555 0.0330 0.0000 0.1734 0.1433	1 9040 1 9040 1 9040 2 3853 2 5244 0 0000 0 9000 1 6640 1 6627	0 068 0 314 0 002 0 234 0 425 0 020 16 0 183 0 283	0.476	0 0030 0 0010 0 0100 0 2113 0 0030	03 99 33 152 665 721 02 59	0.324
		Forest 2nd vegetation Reforestation Pasture Crop Others		11472 11472 11472 11472 11472 11472 8250 8250 8250 8250	0.1510 0.1510 0.1510 0.0555 0.0330 0.0000 0.0000 0.1734 0.1433	1 9040 1 9040 1 9040 2 3853 2 5244 0 0000 0 6000	0 008 0 314 0 002 0 234 0 425 0 020 16 0 183 0 283 0 000	0.476	0 0030 0 0010 0 0100 0 2113 0 0030 0 0010	03 99 33 152 665 121 02 59	0.524
		Forest 2nd vegetation Reforestation Pasture Crop Others  Forest 2nd vegetation Reforestation Pasture Crop Crop Crop Crop Crop Crop Crop Crop		11472 11472 11472 11472 11472 11472 8250 8250 8250	0.1510 0.1510 0.1510 0.0555 0.0330 0.0000 0.0000 0.1734 0.1433	1 9040 1 9040 1 9040 2 3853 2 55244 0 0000 0 9000 1 6627 0 0000 1 9950 2 1771	0 008 0 314 0 002 0 234 0 425 0 020 16 0 183 0 283 0 000 0 096 0 392	0 476	0 0030 0 0010 0 0100 0 2113 0 0030	03 99 33 152 665 721 02 59	0324
137	Cnuz Wachado	Forest 2nd vegetation Reforestation Pasture Crop Others Forest 2nd vegetation Reforestation Pasture	1,436.7	11472 11472 11472 11472 11472 11472 8250 8250 8250 8250 8250 8250 8250	0.1510 0.1510 0.1510 0.0555 0.0000 0.0000 0.1734 0.1433 0.0000 0.0140 0.0155 0.0000	1 9040 1 9040 1 9040 2 3653 2 56244 0 0000 0 9000 1 6627 0 0000 1 9000 2 1771 0 0000	0 008 0 314 0 002 0 234 0 425 0 620 18 0 183 0 283 0 000 0 096 0 392 0 046		0 0030 0 0010 0 0100 0 2113 0 0030 0 0010 0 0100	03 99 33 152 665 121 02 59 00 23 245	
137		Forest 2nd vegetation Reforestation Pasture Crop Others Forest 2nd vegetation Reforestation Pasture Crop Others		11472 11472 11472 11472 11472 11472 8250 8250 8250 8250 8250 8250	0.1510 0.1510 0.1510 0.0555 0.0330 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000	1 9040 1 9040 1 9040 2 3853 2 5244 0 0000 6 8000 1 6627 0 0000 1 9950 2 1771 0 0000 0 0000	0 008 0 314 0 002 0 234 0 425 0 020 16 0 183 0 283 0 000 0 096 0 392 0 046		0 0030 0 0010 0 0100 0 2113 0 0030 0 0010 0 01229	03 99 33 152 665 121 02 59 00 23 245	0324
137	Cnuz Wachado	Forest 2nd vegetation Reforestation Pasture Crop Others Forest 2nd vegetation Reforestation Pasture Crop Others	1,436.7	11472 11472 11472 11472 11472 11472 8250 8250 8250 8250 8250 8250 8250	0 1510 0 1510 0 1510 0 0555 0 0330 0 0000 0 1734 0 1433 0 0000 0 0140 0 0155 0 0156 0 0150	1 9040 1 9040 1 9040 2 3653 2 5244 0 0000 1 6627 0 0000 1 9550 2 1771 0 0000 1 9560 1 9560	0 008 0 314 0 002 0 234 0 425 0 020 16 0 183 0 283 0 000 0 096 0 392 0 046 19 0 030		0 0030 0 0010 0 0100 0 2113 0 0030 0 0010 0 1229	03 99 33 152 665 121 02 00 23 245	
137	Cnuz Wachado	Forest 2nd vegetation Reforestation Pasture Crop Other's Forest 2nd vegetation Reforestation Pasture Crop Other's	1,436.7	11472 11472 11472 11472 11472 11472 11472 8250 8250 8250 8250 8250 8250 8250 11723	0 1510 0 1510 0 1510 0 0555 0 0330 0 0000 0 1734 0 1433 0 0000 0 0140 0 0155 0 0000 0 0150 0 01610	1 9040 1 9040 1 9040 2 3653 2 5244 0 0000 1 6627 0 0000 1 6627 0 0000 2 1771 0 0000 0 0000 0 0000 0 0000 1 9950 2 1771 0 00000 0 0000 0 0000 0 0000 0 0000 0 0000 0 0000 0 0000 0 0000 0 00000 0 0000 0 0000 0 0000 0 0000 0 0000 0 0000 0 0000 0 0000 0 00000 0 0000 0 0000 0 0000 0 0000 0 0000 0 0000 0 0000 0 0000 0 00000 0 0000 0 0000 0 0000 0 0000 0 0000 0 0000 0 0000 0 0000 0 00000 0 0000 0 00	0 008 0 314 0 002 0 234 0 425 0 020 16 0 183 0 283 0 000 0 096 0 392 0 046 19 0 0 135		0 0030 0 0010 0 0100 0 2113 0 0030 0 0010 0 0100 0 1229	03 99 33 152 665 121 02 59 00 23 245	
137	Cnuz Wachado	Forest 2nd vegetation Reforestation Pasture Crop Others Forest 2nd vegetation Reforestation Pasture Crop Others Forest 2nd vegetation Reforestation Reforestation Reforestation	1,436.7	11472 11472 11472 11472 11472 11472 8250 8250 8250 8250 8250 8250 8250 81723 11723 11723	0 1510 0 1510 0 1510 0 0555 0 0330 0 0000 0 1734 0 1433 0 0000 0 0140 0 0155 0 0000 0 0150 0 0160 0 0160 0 0160 0 0160	1 9040 1 9040 1 9040 2 3853 2 5244 0 0000 0 0000 1 9650 1 1 6650 1 1 9950 2 1771 0 0000 0 0000 1 9950 2 1771 1 0 0000	0 000 0 314 0 002 0 234 0 425 0 020 18 0 183 0 283 0 000 0 096 0 392 0 046 13 0 030		0 0030 0 0010 0 0100 0 2113 0 0031 0 0031 0 0030 0 1229	03 99 33 152 665 121 02 59 00 23 245 343 03	
137	Cnuz Wachado	Forest 2nd vegetation Reforestation Pasture Crop Other's Forest 2nd vegetation Reforestation Pasture Crop Other's	1,436.7	11472 11472 11472 11472 11472 11472 11472 8250 8250 8250 8250 8250 8250 8250 11723	0 1510 0 1510 0 1510 0 0555 0 0330 0 0000 0 1734 0 1433 0 0000 0 0140 0 0155 0 0000 0 0150 0 01610	1 9040 1 9040 1 9040 2 3653 2 5244 0 0000 1 6627 0 0000 1 6627 0 0000 2 1771 0 0000 0 0000 0 0000 0 0000 1 9950 2 1771 0 00000 0 0000 0 0000 0 0000 0 0000 0 0000 0 0000 0 0000 0 0000 0 00000 0 0000 0 0000 0 0000 0 0000 0 0000 0 0000 0 0000 0 0000 0 00000 0 0000 0 0000 0 0000 0 0000 0 0000 0 0000 0 0000 0 0000 0 00000 0 0000 0 0000 0 0000 0 0000 0 0000 0 0000 0 0000 0 0000 0 00000 0 0000 0 00	0 008 0 314 0 002 0 234 0 425 0 020 16 0 183 0 283 0 000 0 096 0 392 0 046 19 0 0 135		0 0030 0 0010 0 0100 0 2113 0 0030 0 0010 0 0100 0 1229	03 99 33 152 665 121 02 59 00 23 245	

Table-A4.10 Current Soil Loss from Iguaçu River Basin (3/8)

F							-				
		i · ·	Total Area*		Average	Ava. non- terr. t	Area Fraction of	Terraced croptand	Average	USLE soil loss	Regional
No	Municipality	• .	(km2)	R Factor	KS factors	factor	Eanduse	(fraction)	c	(Lypa At)	contribution
	Curkoa		92.4	3334	0 0000	0.0000				86	0 015
		Forest		5334 5334	0 0000	0 0000 2 2330	0 000		0 0001	00	
		2nd vegetation Referestation		5334	0 0000	0.0000	0 000		0 0030 0 0010	06	<del> </del>
		Pasture .		5334	0 0160	2 2330	0.054		0 0100	19	l
		Crop		5334	0 0160	2 2330	0 105	0.178	0.1397	16 3	
183	Dois Vzinhos	Others	365.2	11089	80000	0.0000	0786			27.2	0 188
		Forest		11063	0 0000	0 0000	0.000		0 0001	00	
		2nd vegetation		11069	0.1510	1.9040	0.147		0 0030	95	
ļ.—.		Reforestation Pasture		11069 11069	0 0000 0 0462	0.0000	0.000		0 0010	146	<b>!</b>
		Crop		11069	0.0330	2 6180	0.539	0 678	0 2244	388	<del> </del>
		Others			0 0000	0.0000	0.020				
1.69	Eneas Marques	Forest	231.7	11069	0 0000	0 0000	0 000		0 0001	42.4 00	0.186
		2nd vegetation		11069	0.1510	19040	0 286		0 0030	95	} <del></del>
	gara (National)	Referestation		11069	0 0000	0.0000	0 000		0 0010	0.0	I
ļ		Pasture		11059	0.1510	1.9040 2.2199	0.300	0.654	0 0100	728	ļ
1		Crop Others		11063	0.0655	0 0000	5.000	0.004	0 2119	128	<del> </del>
111	Fazenda Ro Grande	N-121 (A11) (A	100 2	6334	0 0000	0.0000	0,000			108	0 020
		Forest		5334	0 0000	0.0000	0.000		0 0001	00	
1 2 2		2nd vegetation Reforestation		5334	0 0000	0 0000	0 000		0 0030	05	<del> </del>
		Pasture		5334	0 0179	1 7712	0 242		0.0100	1.7	
		Crop Others		5334	0.0160	2 2330	0.497	0 038	0.1323	19.1	
172	Fior da Serra do Sul	Cule 8	63.4	11069	0 0000	0 0000	0.096			238	0 028
		Forest		11069	0 0000	0 0000	0 000		0.0001	-00	
27.5		2nd vegetation Reforestation		11069	0 0180	1.7450	0 272		0.0030	10	
1.1	[전 [전 수 요한 화결함]	Reforestation Pasture		11069 11069	0 0000 0 0180	0.0000 1.7450	0.000 0.057		0.0010	35	<del> </del>
		Crop		11069	0 0162	2.1756	0.340	0.190	0.1935	45 6	
		Others	APA N	7707	0 0000	0.0000	0.331			-7-2	
F 101	Fol 60 guacu	Forest	256 0	10687	0 0330	2 9670	0 292		0 0001	732	0 063
		2nd vegetation Reforestation		10667	0 0330	2 9670	0.100	l	0 0030	3.1	
				10667	0.0000	0 0000	0.000		0 0010	00	
		Pasture Crop		10667	0.0330	2.4570 2.3400	0.150 0.278	0.787	0 0100	8 6 32 9	
	linikarua bali asribil	Others			0 0000	0.0000	0.180	V.701			l
170	Francisco Beitrao		6883	11069	0 0000	0 0000	2			313	0.456
		Forest 2nd vegetation		110€9 11069	0.1510 0.1510	1.9040 1.9040	0.015		0 0001	95	
	医三异物病 医大蛙毛属	Referestation		11069	0.0000	0 0000	0.000	<del></del>	0.0010	700	
		Pasture		11069	0 0300	2 1988	0 260		0 0100	7.3	
2 C		Crop Others		11069	0 0324	2 6397	0.517	0 551	0 2080	52 9	<u> </u>
135	General Carneiro		1,011.6	8250	8 0000	8 0000	16			7.4	0.110
		Forest		8250 8250	0.1785	1 6670	0 349		0 0001	0.2	
	医大型囊性管理 医神经髓毒素	2nd vegetation Reforestation	-	8250 8250	0.1085 0.0000	1.8628 0.0000	0.322		0 0030	50	l
		Pasture		8250	0.0148	2 0930	0.051		0 0 100	26	
		Crop		8250	0 0160	2 2330	0 229	0.151	0.1204	22.7	
753	Guaranecu	Others	493.2	11723	0 0000	0.0000	0.049			32.4	8 293
		Forest	7777	11723	0.1510	1.9045	0.025		0.0001	-33	
	리 원 중요한 경 회원들이	2nd vegetation		11723	0.1510	1.9040	0.448		0 0030	10.1	
		Reforestation Pasture		11723	0.0000	2 1963	0.000 0.286		0.0010	282	
		Croo		11723	0 0330	2.5718	0 238	0 364	0.1950	82.7	L
	6.000	Others			0.0000	0.0000	0.003			<b> </b>	0.198
139	Guarapuava	Forest	3,360 3	8877 8877	6 0000 6 1780	1 6670	0 137		8 0001	32	V 195
<u> </u>		2nd vegetation		8877	0.1691	1.6549	0.142		0 0030	7.4	
	[문문 유민화의 학교학계	Reforestation		8877	0.1780	1 6870	0.018		0.0010	26	
<b></b>		Pasture Crop		8877 8877	0.0314	1.7044 2.2330	0 237 0.454	6 802	0.0100 0.0496	17	·
		Crop Others			0 0000	0.0000	0.012			1	X 100 100 100 100 100 100 100 100 100 10
[13]	Honorio-Serpa		803 7	9299	0 0000	0.000	0 028		0 0001	513 03	0.895
		Forest 2nd vegetation		9299	0.1510 0.1510	1 9040	0.028	l	0 0000	8.0	ļi
		Referestation		9299	0 0000	0 0000	0.000		0.0010	00	L
		Pasture		9299	0 0429	2 4185	0.199	0.700	0.0100	96	
		Crop Others	<u> </u>	9299	0.0330	2 6807 0 0000	0.438	0.182	0 2259	1108	<u> </u>
139	lbena .		717.7	71723	0 0000	0.0000	0 003			72	0 020
		Forest		11/23	0.1510	1.9040	0.028		0 0001	83	
		2nd vegetation Referestation		11723 11723	0.0940 0.1510	2.4179 1.9040	0.482 0.045		0.0030	80 34	
		Pasture		11723	0.0330	2 7349	0.154		0.0100	10.6	
7.7.		Crop Others		11723	0 0330 0 0000	2 3400 0 0000	0 283	0 947	0.1456	53	
770	Inacio Wartins	Arie₁\$	879.9	- E877	0.000	. <b>0</b> 0000	0.007			7.5	7727
<b> </b>		Forest		8877	0.1532	1.6674	0 370		0 0001	02	
		2nd vegetation		8877	0.0308	1.7114	0 294		0.0030	1,4	
		Reforestation Pasture		8877 8877	0.0000 0.0156	0 0000 1 8950	0 000	i	0.0010	2.6	
1		Crop		8877	0.0152	2.1401	0 246	0 026	0.1234	27.5	
		Others			0.0152 5.0000	2 1401 0 0000	0.000	-		1	
128	usa	Forest	407.9	6793 6793	0 0000 0 0740	0.0000	6 ¢82		0.0001	32 2	0 248
		2nd vegetation		6793	0.1092	1.8€96	0.360	<del> </del>	0.0030	12	<u> </u>
		Referestation		6793	0.0740	1.7200	0.018		0.0010	09	
		Pasture		6793 6793	0.0000	0.0000	0.540	0.346	0 0100	55.7	-
		Crop Others		0.33	0.0000	2 1654 0 0000	0.540	0 345	0 1518	56.7	
	ng kalung ay kecampakan basa 1980 P										·

Table-A4.10 Current Soil Loss from Iguaçu River Basin (4/8)

	parte a December and consideration of the December of the Dece		Total	r		Avg non-	Area	Terraced		USLE	
		,	Area*		Average	terr t	Fraction of	croptand	Average	508 1059	Regional
No.	Municipality Race ara D'Oeste	L	{km2} 2423	R Factor	KS tactors	Tactor 0 0000	Landuse	(fraction)	C	(t/ha yr)	contribution
	The are of the second	Forest		11883	7 6000	0.0000	0000		0 0030	86	0 203
		2nd vegetation		11069	0.1510	1 9040	0.184		0 0030	95	
		Reforestation Pasture		11069 11069	0.0000	2 2677	0 000		0 0010	2.4	
	gradi tir tigan menjada	Crop		11069	0.0261	3.1381	0 527	0 381	0 2884	1023	
121	[ana	Others	2,150 3	5431	0 0000	0.0000	0 0 1 5			67	0 276
		Forest		6491	0 1780	1 6670	0012		0 0001	02	V210
		2nd vegetation		6451	0.1183	1.6679	0 397		0 0030	3.8	
		Reforestation Pasture		5481 5481	0.1780	1.6670	0.006		0.0010	19	
		Crop		5481	0.0150	1 9330	0.399	0 512	0.1883	119	
128	Laranjeiras do Sul	Others	939.0	5063	0.0000	0.0000	0.006			386	0 678
1		Forest		9063	0.1490	0 0000 1 6450	20 0 060		0.0001	0.5	V 5,0
		2nd vegetation Referestation		9063 9063	0.1119	0.0000	0.000		0 0030	5.4	
1-		Pasture		9063	0.1154	19277	0.223		6 0 100	20.2	<del></del>
		Crop		9063	0.0462	2.1210	0 342	0.170	0.1506	83 3	
154	Lindoeste	Others	273.2	11732	0.0000	0 0000	0 107			59 5	0.304
		Forest		11732	0.1510	1.9040	0.085		0 0001	0.3	
ļ		2nd vegetation Reforestation		11732	0.1510	1.9040 0.0000	0.070		0.0030	10.1	l
		Pasture	<u> </u>	11732	0.1121	2 0477	0 261 0 584	-	0 0100	26.5	
		Crop Others		11732	0 0243	3 0223	0 584 6 600	0 258	0 2014	88 €	
130	Mallet	, Univers	6728	. 8250	0.0000	0.0000	i 15		<del></del>	34.4	0.433
		Forest		8250	0.0740	7200	0 207		0.0001	0.1	
		2nd vegetation Referestation		8250 8250	0.1109	0.0000	0.371		0.0030	4.7	<b> </b>
		Pasture		8250	0 0000	0.0000	0.000	L	0 0100	00	
		Crop Others	l	8250	0.0967	0.0000	0 422 6 000	0 393	0.1149	77.2	
112	Mandikituba	rancing and a	390 1	5897	0.0000	0.0000	3,552,250			11.3	0.082
		Porest 2nd vegetation		5697 5697	0.1160	0.0000 1.6560	0 205		0.0001	3.3	
		Reforestation		5697	0.1160	1.6560	0.060		0.0030	1.1	
		Pasture		5697 5697	0.1082	1.6631 2 1008	0 250		0.0100	102	
		Crop Others	l	i	0.0155	0.0000	0.480 0.005	0 242	0.1504	16.5	
133	Vanguevinha	14 14 Project of the	791.0	9799	0 0000	1 6670	20 0 085		71	10.1	0.155
		Forest 2nd vegetation		9299 9239	0.1780	1.5570	0 085		0.0030	03 7.8	
		Reforestation		9299	0.0000	0.0000	0.000		0.0010	00	
		Pasture Grop		9299 9299	0 0787	1.9520 2.1638	0.145 0.423	0.709	0 0100	14.3	
		Others			0.0000	0.0000	0.009	0.123	02304	1	<u> </u>
152	Warrepolis	Forest	2028	9478 9478	0.0000	1 9040	0 007		0 0001	2 9 0 3	0.011
		2nd vegetation	l	9478	0.0434	2.0600	0 265	<del></del>	0 0030	29	
		Referestation Pasture		9478 9478	0.0000	0.0000 2.2330	0.000	:	0 0010	0.0	
		Crop Others		9478	0.0146	2 2404	0.113	0.852	0.0100	3.4 2.8	
Ŧ71	Warmeleiro	Others	1097	11069	0.0000	0.0000	0.126				
<b> </b>	- 4:11-E-CHO	Forest	103.5	11069	0 1310	1 90 10	0 016	·~ <del>~~</del>	0 0001	126	0.096
		2nd vegetation		11069	0.1496	1.9073	0.795		0.0030	9.5	
		Reforestation Pasture		11069 11069	0.1510	1.9040 2.2330	0.003		0.0010	3.2	
		Crop Others		11069	0 0099	2.2646	0.456	0.445	0.1949	17.7	
T97	Watelandia	Loners	593.1	10667	0.0000	0.0000	0 089	·······		22	0 025
	AP 18 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Forest		10667	0 0764	2 4262	0509		0 0001	02	
ļ		2nd vegetation Reforestation	<u>-</u> -	10667 10667	0 0229	3.1295 0.0000	0 239	I	0.0030	23	
		Pasture		10667	0.0180	3 5120	0.140		0.0100	6.7	
		Crop Others	ļ	10667	0 0180	3.5120 0.5000	0 099	0 940	0 2886	59	[]
1,28	Medianeira		583 6	10067	0.0000	0.000	19		<u> </u>	38	0.061
		Forest 2nd vegetation		10667	0 0753	23454	0 388		0.0001	0.2	-
		Reforestation	<b> </b>	10667	0 0245	3.0055 0.0000	0.118		0.0030	0.0	
		Pastura		10667	0 0180	3 5 120	0.167		0.0100	6.7	
ļ		Crop Others	<b>∤</b>	10667	0.0180	3.5120 0.0000	0 266	0 653	0.3248	14.3	
179	Nova Esperanca do Sudoeste		178 9	11059	6 0000	0.0000	21			85 2	0 286
		Forest 2nd vegetation	l	11069 11069	0.1510	1 9040	0.025		0 0000	0.3 9.5	
		Referestation		11069	0 0000	0.0000	0.000		0 0010	0.0	·
		Pasture Crop		11069	0.1510	1.9040	0 292	0.434	0.0100	318	
		Others	l	11069	0 0847	2.1439 0.0000	0 534	0 479	0 2026	141.4	
162	Nova Laranjeiras	Tenne	578.8	9063	0.0000	70000	20			19.6	0 212
		Forest 2nd vegetation	l	9063 9063	0.1510 0.1129	1.9040 1.9886	0.339	<del></del>	0 00030	6.1	
		Referestation		9063	0.1510	1.9040	0.002		0.0010	26	
		Pasture Crop	I	9063 9063	0.1003	2 1387 2 9570	0.169 0.139	0.197	0 0100	19.4	
		Others	<u></u>		0 0330	0.0000	0.000		0.1977	5010	<u> </u>
1-83	Nova Frata do Iguacu	Forest	327.5	11723	0.0000	0.000	19		A A & -	31.2	0 191
[		2nd vegetation	<b> </b>	11723	0.1510	1.9040	0.018	ļ <del></del>	0 0000	10.1	<u> </u>
		Reforestation		11723	0.0000	0 0000	0 000		0 0010	00	
<b> </b>		Pasture Crop	<u> </u>	11723 11723	0.1275	2.1153	0.317	0.741	0 0100	31.6 35.3	<del></del>
		Others	I		- 8 88888°-	0 0000	0 0 16			_~	<del> </del>
_											

# Table-A4.10 Current Soil Loss from Iguaçu River Basin (5/8)

		-			·		-				
i		-	Total			Avg. non-	Area	Terraced		USLE	Electrical P
No	Municipality	V.	A/ea* (km2)	R Factor	Average KS factors	terr, L factor	Fraction of Landusa	cropland (fraction)	Average C	soli less (Uhalyr)	Regional contribution
	Palmas	L	30534	9313	0 0000	0 0000	15	(Hacoon)		3.3	0 293
-		Forest		9318	6 1780	16670	0211		6 0001	03	
		2nd vegetation		9318	0 1669	1.6534	Q 253		0 0030	7.7	
		Reforestation		9318	0 0000	0 0000	0.000		0.0010	0.0	
		Pasture Crop		9318 9318	0.0296	1 5543	0.169	0 663	0 0100	9.7	
77.5		Others		- <del></del> -	6 0000	0 0000	0 024		0.1101		<del></del> -
1-23	Palmeira		272.9	E481	0.0000	0.0000				28	0014
1		Forest		6481 6481	0 0740	1.7200	0 009		0 0001	0.1	
1-		2nd vegetation Reforestation		6481	0.0758	1.7200	0 509 0 017		0 0030	25 08	
		Pasture		6481	0.0180	1.7450	0 095		0 0100	20	
		Cro <b>o</b>		€481	0 0 147	1 9498	0 368	0 762	0.1218	3.5	
1731	Pato Branco	Others	361.2	31172	0 0000	0 0000	0 (02			349	7387
	- Ald Grant Co	Forest		11472	0.1515	19848	8500		0 0001	73	7201
		2nd vegetation		11472	0.0504	2 1492	0 310		0.0030	37	
1	t to a section of the con-	Reforestation		11472	0.0000	0.0000	0 000		0 0010	00	
-		Pasture Crop	<u> </u>	11472	0.0160	2 2330 2 2575	0.228	0.000	0 0100	73.3	
		Others		F	0 0000	0 0000	0 015		0.0140		<del></del>
135	Paula Fredas		367,1	8250	0 0000	0.0000	16			31	0 063
2 1		Forest	<u> </u>	8250 8250	0 0180	1.7455	0.102		0 0030	00	
	1. 名誉事件上記古代中日記	2nd vegetation Reforestation	<b>├</b> ──	8250	0 0180	1.8931 1.7450	0.369		0 0010	03	<del> </del>
1.3		Pasture		8250	0 0000	0 0000	0.000		0.0100	0.0	
1_		Crop Others		8250	0.0160	2 2330	0.388	0.470	0.1335	19.9	
F131	Paule Frontin	COLIECT STREET	351.1	8250	0 0000	0 0000	0.119			7.3	0.048
		Forest		8253	0.0185	17450	603		0 0001	20	
57.7	I na kiy jirayildayild	2nd vegetation		8250	0.0146	1.9601	0 358		0 0030	07	
4 127	[하다리는 글로그리 다 하다]	Reforestation Pasture	<del>-</del> -	8250 8250	0.0180	1.7450 0.0000	0 001		0.0010	0.3	
		Croo	<del> </del>	8250	0.0146	2.0609	0.542	0.551	0.1651	12.1	
	1	Others			0 0000	0 00000	0 044				
133	Feroia do Deste	Forest	308.8	11211	0.1515	19040	0015			50.5 0.3	0 292
100		2nd vegetation		11211	0.1510		0.137	——	0 0000	97	
		Referestation		11211	0.0000	0.0000	0 000		0 0010	0.0	
7.4	[청년하다 일요] 이 회의 중인.	Pasture		11211	0.1051	2 0735	0 301		0.0100	24.4	
200	[마이탈토 및 호텔 왕기 발일	Crop Others	<u> </u>	11211	0.0000	0.0000	0.433	0.439	0 2497	79.8	
118	Pien	3 10 10 10 10 10	245.6	5697	0.0000	0.0000	7			13.4	0 090
		Forest		5697	0 0799	1.7110	0 050		0.0030	0.1	
2.4		2nd vegetation Referestation		5697 5697	0.1160	1.6560 1.6560	0 315		0.0030	3.3	
		Pasture		5697	0.1160	1.6560	0.016		0 0100	10.9	
		Crop		5697	0.0474	1.8954	0.493	0.325	0.1373	34.5	
18	Pinhais	Others	70.7	5334	0.0000	0 0000	0.057			107	0.014
		Forest		~533 <b>4</b> ~	7 0000	0.0000	0000		0 0001	00	
1-	[ [ [ [ ] ] [ ] [ ] [ ] [ ] [ ] [ ] [ ]	2nd vegetation Referestation	<b> </b>	5334	0 0130	1.7450	0.113		0.0030	0.5	
		Pasture	<b>i</b>	5334	0.0000	0 0000 1.8712	0 000		0.0010	0.0 1.6	
		Crop		5334	0.0140	1.9950	0 391	0.164	0.1972	18.6	
1,,,	Pinhal de São Bento	Others	107.6	10681	0 0000	0.0000	0 280			16.0	0.028
	Landa Ca Sec Delifo	Forest	101.0	10681	18000	70000	0 000		0.0001	0.0	0.028
		2nd vegetation		10681	0.1039	2 3280	0 549		0 0030	7.8	
1		Reforestation Pasture	<b>!</b>	10681	0 0000	2 5720	6 000		0 0010	9.1	
1-		Crop	<b>!</b>	10681	0.0330	2 3400	0 300 0 151	0.531	0 0100	46 6	
		Others .			0.0000	0 0000	0 000				
1.40	Pinhao	Forest	2,812.8	8877	0.1765	6670	0 264		0 0001	65 03	0342
1		2nd vegetation		8877	0.1785	1.7414	0 246	- <del></del> -	0 0030	42	
		Reforestation		8877	0.0000	0.0000	0 000		0.0010	0.0	
1-4		Pasture	ŀ	8877 8877	0.0140	1.9950	0.118		0.0100	25	
1		Crop Others	l		0.0660	2 0441 0 0000	0.350	0.607	0 0461	14.1	
13	Pvaquara		162.2	5334	0.0000	0.0000				10.7	0 033
		Forest		3334	0 1780	6670	0 357		0 0001	02	
<b> </b>	Market and the first of the fir	2nd vegetation Reforestation	l	5334 5334	0.1747	1.6648 0.0000	0 087		0.0030	0.0	
1 ==	1 9 59 A A	Pasture		5334	0.1295	1.6520	0.173		0 0100	11.4	
1		Groo Others	<del></del>	5334	0.0268	0 0000	0 317 0 056	0 214	0 1482	24.3	
137	Planaito	1 Oriei 3	3298-	11211	60000	00000	19			35.9	0 272
		Forest		11211	0 0000	0 0000	6 000		0 0001	00	
1		2nd vegetation		11211	0.1510	1 9040	0.106		0 0030	97	
	I tap ma Testor	Reforestation Pasture		11211	0.0000	1.9040	0.000		0 0010	32.2	
		Crop		11211	0.0000	1.9040 2.3077	0.540	0 779	0 3087	433	
	Porto Amazonas	Others	153 0	7787	0.0000	0.0000	0.051			8,1	
<b>L</b> "	T O IO ANI N CO I AS	Forest	193 V	E451	0 0000	0 0000	6 000		0 0001	00	0 023
		2nd vegetation	l	6481	0.0470	1.6690	0 322	·	0 0030	1.5	<del></del>
		Referestation		6481	0.0470	1.6590	0 C66		0.0010	0.5	
		Pasture Crop	l	6451 6481	0.0470	1.6690	0 798	0.045	0.0100 0.1166	5 1 19 2	- <del></del>
1		Others			0.0000	1.7416 0.0000	0 000				
F34	Porto Vaoria		192.2	8250	0.0000	0.30000	18		7-7-6	6.2	0 022
1 0 0		Forest 2nd vegetation		8250 8250	0.1780 0.1628	1.6670	0.149 0.469		0.0001	6 9	
1		Referestation		8250	0.0000	0.0000	0.000		0 0010	00	
		Pastura		8250	0 0000	0 0000	0.000		0.0100	0.0	
<b>]</b>		Others	l	8250	0.0160	2 2330 0 0000	0 256 0 126	0 595	0.1090	82	
1			·	•	,			·	L	٠	·

Table-A4.10 Current Soil Loss from Iguaçu River Basin (6/8)

r		استنسب	Total .	r	г	6.40 000	4/40	Terraced		Livers	,
			Total Area		Average	Avg. non-	Area Fraction of	cropland	Average	USLE solioss	Regional
No	Municipality		(km2)	R Factor	KS factors	factor	Landuse	(fraction)	C	(Vha yr)	contribution
	Pranchita		275 (	10631	0 0000	0 0000	13			238	0.123
		Forest		10661	0 0000	0 0000	0 000		0 0001	00	
ļi		2nd vegetation		10681	0.1257	2 1323	0.163		0 0030	86	·
I— I		Reforestation Pasture		10681	0 0330	2 9670	0 294	·	0 0010	105	
		Crop		10681	0.0330	2.4345	0.471	0.744	0 2915	37.3	<del></del>
		Oti ers			0 0000	A 4444	0.072				
1.7	Quabo Barras		93.7	5334	0 0000	0 0000	2			6.6	0 012
[ <u>—</u>		Forest	<u> </u>	5334 5334	0.1594 0.1510	1 6716	0 258		0.0030	01	ļ
l⊣		2nd vegetation Reforestation		5334	0.1510	19040	0001		0.0030	1.5	
[ <u>-</u>		Pasture		5334	0.0568	1.9666	0 346		0 0100	60	<b></b>
		Crop		5334	0.0140	1 9950 0 0000	0.262	0.191	0.1576	14.3	
	Quedas do Iguacu	Others	1,137.2	71723	0 0000	0 0000	C 059			76	0119
	Checas on Grace	Forest	1,1312	11723	0 0729	2 1047	0 231		0 0001	02	0.149
		2nd vegetation		11723	0 0090	2 2690	0311		0 0030	07	
		Reforestation		11723	0 0090	2 2690	0 091		0.0010	9.2	
		Pasture		11723	0 0182	2 5361	0.115	N 25.	0 0100	5.4	<b></b>
		Crop Others		11723	0 0330	2 3583	0 206 0 048	0 631	0.1385	28.1	[
178	Quitandaha		4187	5697	5 0000	~ 88888					0112
		Forest		5697	0 1160	16560	0 047		0 0001	01	
	l et traefe skri	2nd vegetation		5697	0.1160	1.6560	0 341		0.0030	33	
l		Reforestation Pasture		5697 5697	0.1160 0.1160	1.6560 1.6560	0.007		0 0010	1.1	
		Crop		5697	0.1100	2 2162	0.024	0 237	0.1795	10 9	i
		Others			0 0000	0.0000	0 006				
1-85	Realeza		3415	11211	9 0000	0.0000	19			45.2	0 259
<b> </b>	H 그러스 그는 영문의 유연기	Forest		11211	0.1510 0.1510	1 9043	0 038		0.0001	9.7	ļ
		2nd vegetation Reforestation		11211	0.0000	0 0000	0 000		0.0010	00	<b></b>
	lyr a leg Mediae a sáin	Pasture		11211	0.1206	2.1780	0.322		0 0100	29.4	
		Сгор		11211	0 0330	2 6038	0.587	0.673	0 2830	50 3	
	Resources	Others	-1383-	6793	0.0000	0.0000	0.022		<del></del>	27.5	0 257
		Forest		6793	0 0740	1 7200	0 036		0 000 i	0.1	V E V I
		2nd vegetation		6793	0.1158	1.7200	0.381		0 0030	4.0	
		Reforestation		6793	0 0000	0.0000	0.000		0.0010	00	
		Pasture Croo	<b> </b>	6793 6793	0.0000	0 0000 2 1983	0 000	0.282	0.0100	0.0 44.5	
	hina i da da kara	Crop Others		0133	6000	6.0000	6,000	0.202	0.1333	99.5	[
T-34	Renascenca		407.2	11069	0.0000	0 0000	21			112	र ठेडर
		Forest		11069	0 1513	1 9040	0.013		0 0001	03	
$\vdash$	[4] 1 · 1 · 1 · 1 · 1 · 1 · 1 · 1 · 1 · 1	2nd vegetation Reforestation		\$1069 \$1069	0.1058 0.1510	2 0140 1 9040	0.062	<u> </u>	0 0030	7.1	i
		Pasture		11069	0.157	2 2330	0.147		0.0100	32	
		Croo		11069	D 0104	2 2617	0.426	0 636	0.3100	18.1	
		Others			0.0000	0 0000	0.062				
129	Rio Azul	Forest	6426	6793 6793	0 0000	1.7455	0.119		0 0001	26 6 0 0	0 326
		2nd vegetation		6793	0.0868	2 0 109	0.388		0.6030	36	
	in growing jakana	Reforestation		6793	0 0000	0 0000	0.000		0 0010	00	
		Pastura		6793	0.1050	2 0810	0 001		0 0100	14.8	
-		Crop Others	i	6793	0.0326 0.0000	2 2046 0.0050	0.492	0.105	0.1527	51.3	<b> </b>
131	Rio Bonito do Iguacu	00,00	435.0	9063	0.0000	0000	20			68	0.058
		Forest		9063	0.0860	2.0875	0.703		0 0001	0.2	
		2nd vegetation		9063	0.0124	2 2791	0.049		0 0030	0.8	
		Reforestation Pasture	. / •	9063 9063	0 0000 0 0330	0.0000 2.3400	0.000		0 0010	7.0	<b>i</b>
		Crop	<del> </del>	9063	0.0330	2 3400		0.433	0.1751	458	
		Others			0 0000	0.0000	0.128 0.053				
7.73	Rio Negio	Caract	560 3	6481	0.0000	0.0000	0 000		A A55	11.0	0.16
<b></b>		Forest 2nd vegetation	<b>[</b>	6451 6451	0 0000	1.6671	0 294	<del></del>	0 0001	0.0	l
1		Reforestation		6481	0.1571	1 6778	0 348		0.0010	13-	
1	Electrical Artificial Artificial Control	Pasture	I	6451	0.1160	1.6560	0 054		0.0100	12.4	
		Crop Others	l	6451	0.0603	0.0006	0 233 0 071	0.435	0.1354	33.1	ļ
רגדן	Salgado Filho		502 2	11089	0.000.0	00000	21		<del></del>	29.7	0 279
	e a ser e de la companya de la companya de la companya de la companya de la companya de la companya de la comp	Forest	<u> </u>	11069	0 0000	0 0000	0 000		0 0001	0.0	
		2nd vegetation		11069	0 1510	19040	0 539		0.0030	95	
		Reforestation Pasture	}	11069	0.0000 0.0488	2 2230	0.000	· · · · · · · · · · · · · · · · · · ·	0.0010	0.0	<b> </b>
l —-∣	7 + 7 / 3 - 2 - 2 - 2	Crop		11069	0 0330	2 3400	0.164	0.047	0.1992	120	
		Others			0.0000	0.0000	0.008				
1-80	Sallo do Lontra	Enche*	334.3	15063	0 0000	0.0000	19		X 272 F	28.6	0.179
		Forest 2nd vegetation	ł	11069	0.1510	1.9040	0.014	l	0.0030	9.5	
		Reforestation		11069	0.0000	0 0000	0.000		0 0010	85	<del></del>
		Pasture		11069	0.0618	2.1332	0 293		0.0100	14.6	
<u> </u>		Crop Others		11069	0 0258	2 3 187	-0.436 0.007	0 513	0 2215	45 6	l
181	Santa (zabel do Oeste	201012	326 8	11211	0 0000	3888	13			413	0 256
<u> </u>		Forest		11211	0.1510	19040	0.018		0 0001	03	
1		2nd vegetation		11211	0.1510	1 9040	0.171		0 0030	0.3 9.7	
1 —		Reforestation		11211	0.1510	1.9040	0.008		0.0010	32	
l		Pasture Crop		11211	0.1038	2 3292 2 5685	0.320	0 584	0 0100	27.1 65 8	
ł		Others	l ——	1	0 0000	0.0000	8015		V 2004	63.5	t
1-93	Santa Lucia		137.1	11211	0.0000	0 0000	19			39 E	0.5256
		Forest		11211	0.1510	19040	0 0 10		6.0001	03	
		2nd vegetation Referestation		11211	0.0000	0 0000	0.000		0.0030	00	
		Pasture	ł	1121	0.1510	1 9040	0.346	<del></del> -	0.0010	32.2	
		Ctob		11211	0.6477	3.1524	0.644	0.476	0 2621	137.3	
t		Others	J	1	0.0030	0.0000	0.000				L
						. —	_				

Table-A4.10 Current Soil Loss from Iguaçu River Basin (7/8)

1			Total	r		Avg non-	Area	Tenaced	<b></b>	USLE	
			Area*		Average	terr. L	Fraction of	cropiand	Average	son loss	Regional
No	Municipality		(km2)	R Factor	KS factors	factor	Landuse	(fraction)	C	(Vha.yr)	contributio
195	Santa Tereza do Oeste		235 5	11732	0 0000	0.0000	19			33.4	0 046
		Forest		11732	0 1510	1 9040	0 064		0 0001	03	
		2nd vegetation Reforestation	<b>-</b>	11732	0.1510	1 9040	0.047		0.0030	101	
		Pasture	<del> </del>	11732	0.1310	2 1835	0.018		0 0 100	3.4 10.8	
77		Crop	i	11732	0.0259	2 7605	0.568	0 846	0.1714	116	
		Others			0.0000	0.0000	0.000			1	
F100	Santa Terezinha de Italipu	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	157.0	10687	0 (000)	0 0000			- FED-	10.5	0 030
		Forest 2nd vegetation	ļ	10667	0 0090	2 2690	0.022		0 00001	00	
$\rightarrow$		Reforestation		10667	0 00000	0 0000	0.149		0 0010	06	
		Pasture		10667	0.0158	2 2891	0 283	· · · · · ·	0 0 100	39	
		Crop		10667	0.0272	2.7908	0.520	0 888	0 3435	167	
-	Santo Antonio do Sudoeste	Others	2899	13681	0 0000	0,0000	0 031			379	0 205
	Salito Actiono do Sudoeste	Forest	2033	10681	0 00000	0 0000	7000		0 0001	-36	0200
		2nd vegetation		10681	0.1510	1 9040	0.135		0 0030	92	
		Reforestation		10681	0.0000	0 0000	0 000		0.0010	0.0	
		Pasture		10681	0.1065	2 0125	0 282		0.0100	22.9	
4		Crop Others		10681	0.0294	0 0000	0 507 0 076	0 519	0 2416	539	
158	São João	103.4.3	396 6	11603	* 80000 T	0 0000				236	0.176
		Forest		11603	0 1510	19045	0 004		0 0001	03	
		2nd vegetation		11603	0.1510	1 9040	0.102	I	0 0030	10.0	
	Mary State of the San	Reforestation		11603	0 0000	0 0000	0 000	l	0.0013	0.0	
-		Pasture Crop		11603 11603	0.1022	2 0230 2 6786	0.304 0.560	0 758	0.0100	24.9 26.1	
		Others	I — — — —		0 0000	00000	0 030				
124	São João de Triunfo	Antonia de la constitución de la	707.5	£793	0 0000	00000				13	0.065
$\Box$		Forest	<b>]</b>	6793	0.0711	17113	0 223		0 0001	01	
$\rightarrow$		2nd vegetation Referestation	<u>-</u>	6793 6793	0.0648	1 9552 1 6690	0.481	ļ	0 0030	2 6 0 5	
		Pasture		6793	0.0000	0.0000	0.000		0 0100	05	
		Crop Others		6793	0.0160	2 2330	0 202	0 201	0.1244	17.8	
165	San Jorga Sa Maria	Others	3559	11723	0 0000	0.0000	G 001			28.5	0.190
103	Sao Jorge do Ceste	Forest	200 3	11723	0 1510	1,9040	8884		0 0001	0.3	0.190
<u> </u>		2nd vegetation		11723	0.1510	1 9040	0 201		0 0030	10 1	· <del>-</del>
		Reforestation		11723	0.0000	0.0000	0.000		0.0010	00	
		Pasture		11723	0.0416	2.8893 3.2045	0 260		0.0100	14.1	
		Črop Others		11723	0 0265	0 0000	0.459 0.076	0.561	0.1861	45.0	
-17	São Jose dos Pinhais		620 B	-5337	6 60000	0 00000				11.8	0.137
		Forest		5334	0 1651	1.6585	0 130		0.0001	0.1	
		2nd vegetation		5334	0.1415	1.6498	0.115		0.0030	3.7	
		Reforestation Pasture		5334	0.1490 0.0829	1.6430	0.003		0.0010	13 7.4	
		Crop		5334	0 0172	2 0227	0.436	0.052	0 1440	199	
-:		Others			0.0000	0 0000	0.078				
126	São Maleus do Sul		7,272.7	£793	8 6008	0.0000				37	0.231
		Forest		6793 6793	0 0745	1.7200	0.154	<u> </u>	0.0001	01	
<del></del>		2nd vegetation Reforestation		6793	0.0743	1.7200	0.025		0 0010	0.9	
		Pasture		6793	0 0000	0.0000	0.000		0 0100	ŏŏ	
12.		Сгор		6793	0 0160	2 2330	0 329	0 201	0.1819	26 0	
180	Sao Miguel do Iguacu	Others	4452	10587	0.0000	0 0000	0.045			17.3	0144
	GEO MINGGET GO INGOING	Forest		10667	0 1310	19040	0 160		0 00003	03	- V 177
		2nd vegetation		10567	0 1162	2 2178	0.166		0.0030	8.2	
		Reforestation		10657	0.0000	0 0000	0 000		0.0010	00	
		Pasture		10667	0 0330	2 7329	0 241	- A31A	0.0100	96	<del> </del>
-		Crop Others		10567	0.0220	3.1976 0.000	0.410	0.710	0 2944	32 0	
152	Saudade do Iguacu		~~43.4~	9063	0.0000	8 6000	20			218	7 658
		Forest		9063	0 (510	1.9040	0 029		0.0001	03	
- 41	[Right] Private Pribal) H	2nd vegetation Referestation		9063	0.1510	1.9040	0.137		0.0030	7.8	
		Pasture		9063 9063	0.0000	0 0000 2 0003	0 000		0 0 100	0.0 20.6	<del></del>
-		Crop		9063	0.0226	2 3093	0 528	0 512	0.1842	27.3	
		Others			0.0000	0 0000	0 033				
159	Sulna	(Entack	158.5	11723	0 0000	0 0000	20 0 000		47227	53 3	0.158
		Forest 2nd vegetation		11723	0.1510	1 9040	0.150		0.0030	10.1	
		Reforestation		11723	0.0000	0.0000	0 000		0.0010	00	
		Pasture		11723	0.0920	2.4355	0 300		0 0100	26 3	
		Crop Others		11723	0 0330	2 6250 0 0000	0 550	0 448	0 2245	798	
713	Trucas do Sul		409.8	5331	60000	9.0000	3			58	0 045
74.5		Forest		5334	0.1780	1.6670	0 062		0.0001	02	
	[전 그 사용하는 분호되었다	2nd vegetation		5334	0.1173	1.6557	0 255		0 0030	3.1	
		Referestation Pasture		5334 5334	0.1648	1.6583 1.7688	0.197 0.265		0 0010	1.5 4.0	
	[1]一个一个电影的表示强制	Crop		5334	0 0156	2.1829	0.190	0 000	0.1269	18.4	
		Others			0 0000	0.0000	0 031				
			500 B	11723	0.1510	0 0000	4		8.820	10.4	0 097
<u> </u>	Très Barras do Parana	Fare			ı U.1310 İ	1.9040	0 046		0 0001	03 10.1	
T-87		Forest 2nd venetation		11723		an a					
		2nd vegetation		11723	0.1510 0.1510	1,9040	0 002		0 0010	3.4	
I-87	tres Barras do Parana	2nd vegetation Reforestation Pasture		11723 11723 11723	0.1510 0.1510 0.0124	1.9040 2.2603	0 209		0 0010	3.4	
	tres Barras do Parana	2nd vegetation Reforestation Pasture Crop		11723	0 1510 0 1510 0 0124 0 0265	1 9040 2 2603 2 3268	0 002 0 209 0 466	0 722	0 0010	3.4	
	Erés Barras do Parana	2nd vegetation Reforestation Pasture	5010	11723 11723 11723 11723	0 1510 0 1510 0 0124 0 0265 0 0000	1 9040 2 2603 2 3268	0 002 0 209 0 466 0 040	0 722	0 0010	3.4 3.3 14.7	7 N N N N
	tres Barras do Parana	2nd vegetation Reforestation Pasture Crop Others	691.9	11723 11723 11723 11723 11723	0 1510 0 1510 0 0124 0 0265 0 0000	1.9040 2.2603 2.3208 0.0000	0 002 0 209 0 466 0 040	0 722	0 0010 0 0100 0.1243	3.4 3.3 14.7	C 050
	Tres Barras do Parana União da Véorta	2nd vegetation Reforestation Pasture Crop Others Forest 2nd vegetation	691.9	11723 11723 11723 11723 11723 8250 8250 8250	0 1510 0 1510 0 0124 0 0265 0 0000 0 0452 0 1219	1.9040 2.2603 2.3208 0.0000 0.0000 1.6738 1.8743	0 602 0 209 0 456 0 040 15 0 315 0 384	0 722	0 0010 0 0100 0 1243 0 0001 0 0030	3.4 3.3 14.7 6.2 0.1 5.7	0 080
	Tres Barras do Parana União da Véorta	2nd vegetation Reforestation Pasture Crop Others Forest 2nd vegetation Reforestation	691.9	11723 11723 11723 11723 11723 8250 8250 8250 8250	0 1510 0 1510 0 0124 0 0265 0 0000 0 0452 0 1219	1.9040 2.2603 2.3208 0.0000 0.0000 1.6738 1.8743	0 002 0 209 0 456 0 040 15 0 315 0 384 0 000	0 722	0 0010 0 100 0 1243 0 0001 0 0030 0 0010	3.4 3.3 14.7 6.2 0.1 5.7	C 050
<b>133</b>	Erés Barras do Parana União da Véoria	2nd vegetation Reforestation Pasture Crop Others Forest 2nd vegetation	691.9	11723 11723 11723 11723 11723 8250 8250 8250	0 1510 0 1510 0 0124 0 0265 0 0000 0 0452 0 1219	1.9040 2.2603 2.3208 0.0000 0.0000 1.6738 1.8743	0 602 0 209 0 456 0 040 15 0 315 0 384	0 722	0 0010 0 0100 0 1243 0 0001 0 0030	3.4 3.3 14.7 6.2 0.1 5.7	\$ <b>6</b> 80

Table-A4.10 Current Soil Loss from Iguaçu River Basin (8/8)

No	Municipality		Total Area* (km2)	R Factor	Average KS factors	Avg. non- terr. L factor	Area Fraction of Landuse	Terraced cropland (fraction)	Averaga C	USLE soil loss (t/ha.yr)	Regional contribution
	Vere		340 8	11069	0.0000	6 0000	21	~ <del>**************</del>	-	36 9	0 235
-		Forest		11069	\$ 0000	0 0000	0 000		0 0001	60	
		2nd vegetation		11069	0.1510	1 9040	D.148		0.0030	95	
		Reforestation		11069	0.0000	0.0000	0.000		0.0010	00	
		Pasture		11069	0.0884	2 4678	0 296		0 0100	242	
		Crop		11069	0 0302	2 7210	0.543	0 606	0.2494	512	•
		Others			0 0000	0 0000	0.013		A 5		
1.47	Virmound	A STATE OF THE PARTY OF THE PAR	198.1	9063	6.0000	0.0000	20			39 0	0 145
		[Forest		9063	0.0470	1 6690	0.001		0 00001	0.1	
		2nd vegetation		9063	0.0786	1.7405	0 286		0.0030	37	
		Reforestation		9063	0.0000	0.0000	0.000		0.0010	00	
-		Pasture		9063	0.1510	1 9040	0.254		0 0100	26.1	
		Стор		9063	0.0273	2 2721	0.459	0 182	0 2042	68.5	
		Others			0 0000	0 0000	0 000		I		
1-53	Vitorino		270 2	11472	0.0000	0 0000	21			29.7	0 150
		Forest		11472	0 0470	1.6690	0 002		0 0001	0.1	
		2nd vegetation		11472	0.0188	2.1828	0 292		0 0930	1.4	
		Reforestation		11472	0 0000	0 0000	0 000		0 0010	0.0	
		Pasture		11472	0 0160	2 2330	0 091		0.0100	.4.1	
	]	Crop		11472	0.0205	2.5805	0.443	0.538	0.3156	53.7	
		Others			0 0000	0 0000	0.172				
******	Tota1 :		53,405.1				T			Average=	17.8

#### Assumptions

14)	l fac	tor for	Terrace d	cropland =

1 27 1.00

( assuming avg. terrace distance = 36m, slope = 8%)

0.05

(RUSLE, to compute sediment delivery)
(RUSLE, assuming planting row ridges about 5 cm high)
(RUSLE, assuming planting accross water flow, not on contour) 0 60 0 80

(1) Lifactor for terraced cropland =
(2) P factor for non-cropland =
(3) P factor for storage terraces =
(4) P factor for contour on terraced cropland =
(5) P factor for non-terraced cropland =

Note: Total larea' of each municipality = Total Area of Municipality within Iguacu River Basin - Area of Others in the Landuse Classification Abbreviation Avg. non-terr. Lifactor: Lifactor for non-terraced land Source: ESPAR database (Roloff, 1955) for KS and C Factors

Table-A4.11 Current Soil Loss from Tibagi River Basin (1/4)

Columbia   Columbia		Current										
Montplaying							Avg. non-		Телгасео		USLE soi	
Trig   Popular   Trig							fert. L			Average	1058	Regional
Forest									(fraction)	С		
Polisipar   Poli	1.25	Apucarana	-	182 2								0.1148
Septentialized   1918   0.000   0.00										0 0001		
Pathwe   1988   0.0002   7257   0.1   0.100   1.5   0.000   0.000   1.5   0.000   1.5   0.000   1.5   0.000   1.5   0.000	-		Reforestation	<del></del>					· ·	0.0030		
Cope   1918   6861   2211   241   641   01617   35   6802	7											
Collect		·							0.471			l
Facet   1916   0.000   2.010   0.000   13   0.000   2.3   0.000   0.000   2.3   0.000   0.000   2.3   0.000   0.000   2.3   0.000   0.000   2.3   0.000   0.000   2.3   0.000   0.000   2.3   0.000   0.000   2.3   0.000   0.000   0.000   0.3   0.000   0.3   0.000   0.3   0.000   0.3   0.000   0.3   0.000   0.3   0.000   0.000   0.3   0.000   0.3   0.000   0.3   0.000   0.3   0.000   0.000   0.3   0.000   0.3   0.000   0.3   0.000   0.3   0.000   0.000   0.3   0.000   0.00			Others									
Self-station	1-23	Aracongas		189 9								0.0442
Fat treatment		[										
Pather												
Cop	1	l ka tangan kacamatan										
Table									0 517			
Forest			Others									
Reference	T-31	Assai		437.1								0 5000
Refreshitch   9045   9000   0 9000   0   0   0   0   0   0	<u> </u>											
Pathwell	<u></u>			<u> </u>					<u> </u>			
Cope	}											·
Table									0.570			
First	L_		Others					13.4				
Part	1.21	California		97 2								0 0326
Reforestation   Self   0.0000   0.0   0.0000   0.0   0.0000   0.0	1	er e vega film								0 0001		
Pathwise   Self   0.0150   35102   1.3   0.0100   61	<b> </b>			li					<b></b>	0.0030		ļ
Crop	1			ti					·			<del> </del>
Company   Comp									0 228			<del></del>
Forest						0.0000	0.0000	0				İ
Parties   Part	T-38	Cambe		143 5								0 0307
Reformation	L											
Pashine   6178   00000   0000   0   0000   0   0   0	-		2nd vegetation									ļ
Crop   81/8   00/150   35/00   93.3   0.829   0.1822   7.5									l			
Chiese			Crop	I		0.0180	3 5 120		0.829			
Forest   Spring   S		Niluk bistin ik kiku					0 0000	0				
Reforeshalon   5771   0.1352   1.143   734.7   0.0000   3.9   Reforeshalon   5771   0.1750   1.6670   20.7   0.0000   3.9   0.0000   0.0000   0.0000   0.0000   1.9   0.00000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.00000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.00000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.00000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.00000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.00000   0.0000   0.00000   0.00000   0.00000   0.00000   0.00000   0.00000   0.00000   0.000000   0.00000000	13	Castro		2,275.1			0 0000					0 2065
Reforestation												
Pasture   5771   0.0178   1.844   72.67   0.0100   19	$\vdash$								ļ			ļ
Cicop   5771   0.0270   2.6932   7334   0.600   0.0467   1.1												
Colorest   Colorest									0 900			
Forest	77.77				l							
Pasture	T-28	Congonhinhas	tangi mbakan	104.6								0 0334
Record												
Pasture			Zno vegetation									
Circle	<u> </u>			<b></b>								ł
Cities				i					0.640		8.2	
Forest   7600   01510   19900   2.6   00001   0.2								0				
Part	T-33	Cornelio Procepio		330 9								0 3463
Reforestation   7650   0,00000   0,00000   0,0000   0,0000   0,0000   0,0000   0,0000   0,0000   0,00000   0,0000   0,0000   0,0000   0,0000   0,0000   0,0000   0,00000   0,00000   0,0000   0,0000   0,0000   0,0000   0,0000   0,0000   0,0000   0,0000	11.0											
Pasture			2nd vegetation									
Cice												
Friest		1일 학교에 대표 및							0.435			
Forest   Podd			Others									
Pasture	T-16	Curiuva		· 3610				361.8				0.1482
Reforestation												<b> </b>
Pasture	I								l			
Ciop									l			<del> </del>
T-36			Ctop			0 0502	2 8492	127.2	0 631			
Forest			Others		<u> </u>							
Comparison   Section   S	1-36	ID-pora		283.4			0.0000					0 0779
Reforestation							0 0000					l
Pasture				·		0.0000	0 0000		l	0 0030		
Crop   9045   0 0180   35120   185 6   0 968   0 2949   7.5		La Biblio Cara A	Pasture	[	9045	0 0180	3 5 120	3.1	[ <del></del> -	0.0100	5.7	l
T-5   Imbitives			Crop		9045	0 0180	3.5120		0 903		7.5	
Forest   6793   0.1501   1.7185   109.4   0.0001   0.2   2.72			Others	ļ	<u></u>							
Pasture   Coop	T-5	Imortuva	TEACOCT	811.3					ļ	****	29	0.0951
Reforestation	1			<sup> </sup>					l			
Pasture							2 0043					i
Crop   6793   0 0160   2 2130   237.4   0 569   0 1088   7 2			Pasture		6793	0 0160	2 2 130	5.8		0 0100	2 4	
Forest   932 0 6556 0 0000 0 0000 532					6793				0.569	0.1088	72	
Forest   65%   0.039   1.077   71   0.0001   0.1	<b></b>		(Others	نبييب								
Cody regetation	1-6	ipiranga	I Forece	932.0						0.0004		0 1726
Reforestation					E554							
Pasture			Re-prestation				1.6729		·			
Crop   6556   0.0317   2.1862   310.7   0.523   0.6905   11.3			Pasture		6566	0 0170	2 0240	89		0.0100	2.3	
T-4   Ira3   133.7   6793   0.0000   0.0000   139.6   11.4   0.0619			Crop		6556		2.1882		0 523	0.0805		
Forest   6793   0.1510   16810   2   0.0001   0.2	<u></u>		LOthers	نِ								
2nd vegetation   6793   0.1247   1.6705   5.3.5   0.6030   4.8	1.4	lisa D	(Focas)	133.7						0.000		0 0619
Reforestation         6793         0.1510         1.6810         2         0.0010         17           Pasture         6793         0.0000         0.0000         0         0.0100         0.0           Crop         6793         0.0100         2.2130         76.2         0.343         0.1514         16.6				<b></b>								
Pasture 6793 0.0000 0.0000 0 0.0100 0.0 Crop 6793 0.0160 22130 762 0.343 0.1514 16.6	-				6793		1.6810				17	
		[1] [1] [2] [4] [4] [4] [4] [4] [4] [4] [4] [4] [4	Pasture		6793	0.0000	0 0000	0		0 0100	0.0	
00000 00000 59	<u>                                     </u>	Ingas to the fire stock	Crop			0.0160	2 2 130		0 343			
	ستندا		Others		<u> </u>	0 0000	0.0000	59	l	<u> </u>		l

Table-A4.11 Current Soit Loss from Tibagi River Basin (2/4)

		r	Total			Avg non-	Area of	Terraced	i	USLE sol	-
		ļ	Area	l	Average	terr. L	Landuse	croptand	Avetače	loss	Regional
No T-S	Municipality		(km²) 2122	R Factor	KS factors	factor 0 0000	(km²) 212.2	(fraction)	<u> </u>	(Vha yr) 8 6	contribution 0 0742
1-5	[Val	Forest	2124	6793	0.1510	1 6810	93		0 0001	62	
		2nd vegetation		6793	0.0793	1 9999	113.5		0.0030	3 2	
<del></del> -		Reforestation Pasture		6793 6793	0 0000 0 0160	2 2130	12.9		0 0010	24	
		Crop		6793	0 0 191	2 3520	76.5	0 272	0.1183	18 7	
		Others		-21-6-1-1	0 0000	0 0000	0		<u></u>		
1.35	Jata-zinho		186 5	9045 9045	0.1510	1 9040	199.1		0 0001	34.2 0.3	0 2584
		Forest 2nd vegetation		9045	0.1510	1 9040	6.4	· · · · ·	0 0030	7.8	
		Reforestation		9045	0 0000	0 0000	0_		0 0010	0.0	
		Pasture Crop		9045 9045	0.1510	1 9040 3 2714	71.7 107.6	0 649	0 0100	26.0 41.4	
		Others			0 0000	0 0000	126				
111	Leopolis		68 9	9045	0 0000	0 0000	€3.9			16.4	0 0459
		2nd vegetation		9045 9045	0.1510	1 9040 1 9040	0.5 - 5		0 0001	03 7.8	
7		Reforestation		9045	0 0000	0 0000	0		0 00 10	00	
		Pasture		9045	0.1510	1 9040	7,9	~~~	0 0100	26.0	
l		Crop Others	<del></del>	9045	0 1170	0 0000	55.5	0 964	0 2008	16.0	
7-24	Lendrina	100.00	2,044.8	8128	0.0000	0.0000	2095 6		-	4.7	0.3926
		Forest		8128	0.1505	1.8667	120		0 0001	0.2	
		2nd vegetation Reforestation		8128 8128	0.0747	2 2269 0 0000	841.8 O	<b>—</b>	0.0030	4.1 0.0	<del></del>
		Pasture		8128	0.0210	3.4029	3103		0.0100	5.8	
		Crop		8128	0 6180	3 5 120	7727	0.659	0.1782	5.7	
¥.50	Maniandia do Sul	Others	152 2	9611	0 0000	0 0000	50.8 152.2	<b>}</b> _	<del> </del>	4.2	0 0258
<u>-</u> -	We now he can and and	Forest	7026	9611	0.1510	19040	15		0 0001	03	. 72.70
===		2nd vagetation		9511	0 0597	2 3478	60.8		0.0030	4.0	
-		Reforestation Pasture	I —	9611 9611	0.0000	2 9670	9.2		0.0100	9.4	
		Crop		9611	0.0265	3 2016	66 2	0 655	0 0310	4.5	
		Others		****	0 0000	0 0000	48				A 6123
7-19	Mava da Serra	Forest	43.0	9370 : 9370	0.1010	1.6579	5.1		0.0001	6 6 0 2	0 Q128
	lare at the second	2nd vegetation		9370	0.1317	1.8603	21.5		0.0030	6 9	
		Reforestation Pasture		9370 9370	0 0000	2 06 15	10.4	<del></del> -	0.0010	15.9	
		Crop		9370	0.0165	2 2336	13	1 000	0 0245	0.1	
		Others			0.0000	0.0000	0				
T-32	Nova America da Colina	l Carret	1333	8128 8128	0 0000	0 0000	133 3		0 0001	15.4	0.0335
		Forest 2nd vegetation	·	8128	0.1510	1.9040	10.2		0.0030	7.0	
		Reforestation		8126	0.0000	0 0000	33.7		0 00 10	0.0	
		Pasture Crop		8128 8128	0.0180	2 3859 3 5120	88.9	0.680	0.0100	21.6	
		Others			0.0000	0.0000	0				
T-29	Nova Fatima	72	835		6 0000	0 0000	83.5		0.000	29 8	0.1008
		Forest 2nd vegetation		7650 7650	0.0000	1 9040	7.1	l	0 00001	66	
		Reforestation		7650	0.0003	0 0000			0 0010	0.0	
	<b>!</b>	Pasture_ Crop		7650 7650	0.1510	1 9040	26.1 50.3	0.721	0.0100	22 0 37.1	· <del> </del>
		Others			0.0000	0.0000	0	1	1	-	
1-25	Nova Santa Barbara		1122		0 0000	0 0000	1122	[	1	14.1	0.0644
	1	Forest 2nd vegetation	1	8128 8128	0 0000	6 0000 2 7622	5.7		0.0030	25	<del></del>
I	1	Reforestation	<b>!</b>	8128	0.0000	0 0000	0		0.0010	0.0	
	1	Pasture Crop	1	8128 8128	0.0330	2 9670 3 3 1 3 4	5.8 100.7	0.762	0.0100	8 0 15 2	
1	1	Others	l		0 0000	0 0000	•	7.104			
T-15	Ortigueira	~_	1,580 3	7129	0 0000	6.0000	1588.5		T	24.1	1.5445
	1	Forest 2nd vegetation		7129 7129	0.1780	1.6670 1.6480	6.3 508		0.0001	02 53	
	1	Reforestation	I	7129	0.1562	1.6521	138.7		0.0010	1.8	
1		Pasture Crop		7129 7129	0.1259	2.4606	271.6 655.7	0 245	0.0100	16.3 46.9	
		Others	1	7129	0.0000	0.0000	8.2	V 243	V.1422	1-300	
1-2	Palmeira		1,224.8		0.0000	0 0000	1227.4			3.7	0.1856
	1	Forest 2nd vegetation	1	6556 6556	0.1780	1 6670 1.6994	116 401.4	<b> </b>	0.0001	3.1	
	<b>1</b>	Reforestation	1	6556	0 0960	1 5666	50.4	<u> </u>	0.0010	10	
	]	Pasture	[	6556	0.0241	1.7283	208.7	A 301	0 0100	2.7	
ļ	<b>∤</b>	Crop Others	1	6556	0 0199	2.0026 0.0000	552.7 2.6	0.761	0.1218	4.9	ļ
T-12	Prai do Sul	4	962		0.0000	0 0000	965.2	1	1	4.7	0.1816
	_	Forest		7129	0.1780	1.6670	192	T	0 0001	0.5	
1—		2nd vegetation Reforestation	1	7129 7129	0.1193	1.6920	265,1 10.5	1 -	0 0030	2.1	<del> </del>
	1	Pasture	1===	7129	0 0172	1 9782	428	<u> </u>	0.0100	2.4	<u> </u>
	1	Crop	ļ	7129	0 0046	2 3628	219.5 2.9	0 685	0.0711	100	<b></b>
1.7	Ponta Grossa	Others	1,817.	6556	0 0000	0 0000	1870.8	<del> </del>	<del> </del> -	29	02118
1		Forest		6556	0.1780	1.6670	53	1	0.0001	0.5	V 2 1 1 0
		2nd vegetation		6556	0.0456	1.7040	329.8		0 0030	1.5	
-		Reforestation Pasture	<b></b>	6556 6556	0.1050	1.5776	75 580.6	1	0.0010	21	<del> </del> -
	<b>j</b>	Crop		6556	0.0175	2 0594	826.4	0.736	0.1043		<u> </u>
	J - 100 - 10	Others	1	.1	0 0000	0.0000	53.7	ļ		J	L

Table-A4.11 Current Soil Loss from Tibagi River Basin (3/4)

New Color   New	<b>—</b>	and all may be the place of the Control of the Cont		Total			Avg non-	Areaol	Temaced		USLE soil	Commission of the latest the late
Color   Colo							terr L					Regional
Forest   Control   Contr				DESCRIPTION OF THE PARTY OF THE					(fraction)			contribution 0.0510
Referentation	1	(O VIII a S O S I S I	Forest							0 0001		0.0010
Fathert   Cell   0.1053   Cell   2.75   2.75   0.000   0.114   Cell												
Cop	-											
T.   Principo de Dialo   196   1976   60000   00000   12.8   0.0051   0.005	<b>_</b>								0 043			
Force	1_		Others		-							
Referention   1786   0,000   1,000   17	3 Prin	neiro de Maio	Earact	1196						40003		0 0130
Referention   875   6000   0000   0   0010   00   00   00	-								l			
Tell   Revido Afrigat   Sept			Reforestation									
Cohern	-								0 990			
Forest	٦								1			
Tody spice from   1766   0.1910   1.9600   0.2	) Rai	ncho Alegre		151 0								0 0 1 4 5
Reforestation   976   0,000   0,000   0   0,000   0   0   0	-{					0.1510	1 9040		<u> </u>			<u> </u>
Cop	<u> </u>		Reforestation		8726	0 0000	0 0000	0		0.0010	00	
Others   St. 58   10   0.0000   0.0000   0.84   1   1   1   1   1   1   1   1   1	4								1000			
Forest	1			- T-	6720				1000	0 2 0 0 3		
End syspetifion   7129	0 Res	serva	4 3 4 3 4 4 4 5 5	565.9								0 2670
Reforestration	7				7129							
Pasture	1				7129	0 1068	1.7931	66.5	l	0.0010	1.4	<u> </u>
College	<b>T</b>		Pasture						0.024			
Forest		선생기는 다른 병교기를			- <del>1123</del> -				U 2/1	V.1271	41.5	
Forest   Size   Doctor   Doc	7 Rol	and a		56 6		0.0000	0 0000	57.4				0 0094
Redonstation												
Pasture   6128   0,000   0,000   0   0,000   0   0,000   0		그렇게 그림 11월		l					l			
Chees			Pasture		8128	0.0000	0 0000	0		0.0100	00	
Fig.   Synta Cecila do Pavab   68.5   8128   0.0000   0.0000   0.0001   0	+				8128				0.866	0.1795	55	
Forest   6128   0,0000   0,0000   0   0,0001   0   0,0001   0   0,0001   0   0,0001   0   0,0001   0   0,0001   0   0,0001   0   0,0001   0   0,0001   0   0,0001   0   0,0001   0   0,0001   0   0,0001   0   0,0001   0   0,0001   0   0,0001   0   0,0001   0   0,0001   0   0   0,0001   0   0   0,0001   0   0   0,0001   0   0   0   0   0   0   0   0   0	6 Sa	nta Cecilia do Pavao	Outers	68.5	8128						32.1	0 0892
Refere station					8128	0.0000	0.0000	0			00	
Pasture   8128   0,0000   0,0000   0   0,000   0   0,000   0	-	상 열차 기계를 보고 있다.		l								
Circles   1519   8128   0,00000   0,0000   0,0000   0,0000   0,0000   0,0000   0,0000   0,00000   0,00000   0,00000   0,00000   0,00000   0,00000   0,00000   0,00000   0,00000   0,00000   0,00000   0,00000   0,00000   0,000000   0,000000   0,0000000   0,00000000			Pasture		8128	0.0000	0.0000	Ō		0.0100	0.0	
T-22   Sante Antonio do Paraiso   Forest   8128   0,000   0,000   0,151   9   0   0   0   0   0   0   0   0   0					8128				0.769	0 2025	321	
Forest   81/28	7 San	nto Antonio do Paraiso	Oners	1519	8128					<b></b> -	68	0 0416
Reforestation 8178 0,000					8128	0.1490	1.6430	2			02	
Pasture	-									0.0030		
Substitute	+										7.6	
Friest					8128				0 901	02173	67	
Forest	8 Sa	n Jeronimo da Serra	Outers	846 9	8128					<del></del>	92.8	3.1891
Reforestation	1				8128	0.1490	1.6480	8		0 0001	02	
Pasture	4		2nd vegetation	<b> </b>								
Cithers	<b>d</b> .		Pasture		8128	0.0576	1.6930	136 9		0.0100	79	
T-30   Soo Sebastian of a Amoreira   217.4   8128   0.0000   0.0000   217.4   0.33	4.				8128				0 312	0.1885	128.0	
Forest   8128	0 Sac	o Sebastiao da Amoreira	Outers	217.4	8128						33	0 0292
Reforestation					8128	0.1377	2 0236				02	
Pasture	-											<del> </del>
T-17   Sapopema   S319   7129   0.0000   0.0000   0.0001   0.000			Pasture	l	8128	0.0180	3 5120	38.3		0.0100	5.1	
Forest				<b> </b>	8128				0 927	0.1728	3.1	
Forest   7129   0.1490   1.6480   50.7   0.0001   0.2     2nd vegetation   7129   0.1490   1.6480   161.2   0.0003   5.3     Reforestation   7129   0.0000   0.000   0.0000   0.0001   0.0     Pasture   7129   0.1490   1.6480   99   0.0100   17.5     Crop   7129   0.0844   2.2212   220.1   0.214   0.1466   113.1     Others   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000     T-42 Sertaneja   154.6   8726   0.0000   0.0000   0.0000   0.0001   0.1     2nd vegetation   8726   0.0180   3.5120   0.9   0.0001   0.1     2nd vegetation   8726   0.0180   3.5120   0.9   0.0001   0.1     Reforestation   8726   0.0000   0.0000   0.00000   0.00010   0.0     Fasture   8726   0.0000   0.0000   0.00010   0.0     Crop   8726   0.0180   3.5120   1.2   0.00030   1.7     Reforestation   8726   0.0000   0.0000   0.00010   0.0     Crop   8726   0.0000   0.0000   0.00010   0.0     Crop   8726   0.0000   0.0000   0.00010   0.0     Crop   8726   0.0000   0.0000   0.0000   0.00010   0.0     Crop   8726   0.0000   0.0000   0.00010   0.0     T-33] Sertanopolis   466.1 8726   0.0000   0.0000   0.0000   0.00010   0.0     Crop   8726   0.0000   0.0000   0.00010   0.0     Reforestation   8726   0.0000   0.0000   0.00010   0.0     Reforestation   8726   0.0000   0.0000   0.00010   0.0     Pasture   8726   0.0000   0.0000   0.00010   0.0     Pasture   8726   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.00000   0.00000   0.00000   0.00000   0.000000   0.00000   0.000000   0.000000   0.000000   0.00000000	7 Sa:	рорета		5319	7129				<b></b>	<b></b> -	517	1.1154
Reforestation					7129	0.1490	1.6480	50.7			02	
Pasture		발표함이 집안하다							<del> </del> -			
Cutiers	<b>_</b>		Pasture		7129	0.1490	1.6480	999		0 0100	17.5	
T-42   Sertaneja   154.6   8726   0.000   0.000   226.7   1.9	4				7129				0 214	0.1466	113.1	
Forest   6726   0.0180   3.5120   0.9   0.0001   0.1     2nd vegetation   8726   0.0180   3.5120   1.2   0.0003   0.7     Reforestation   8726   0.0000   0.0000   0   0.0010   0.0     Fasture   8726   0.0000   0.0000   0   0.0100   0.0     Crop   8726   0.0180   3.5120   152.5   0.935   0.2301   1.9     Others   0.0000   0.0000   72.1     T-39 Serfanopolis   656.1   8726   0.0000   0.0000   0   0.0001   0.3     Reforestation   8726   0.0180   3.5120   152.5   0.935   0.2301   1.9     T-39 Serfanopolis   656.1   8726   0.0000   0.0000   0.0001   0.3     Reforestation   8726   0.0180   3.5120   1.014   0.00030   5.8     Reforestation   8726   0.0000   0.0000   0   0.0001   0.0     Fasture   8726   0.0180   3.5120   2.57   0.0100   5.5     Crop   8726   0.0180   3.5120   2.57   0.0100   5.5     Crop   8726   0.0180   3.5120   2.56   0.925   0.2879   5.7     Others   0.0000   0.0000   1.2 8     T-5   Tebelia Soares   1.303.5   6793   0.0382   1.7346   1.973   0.0001   0.0     Reforestation   6793   0.0175   1.8974   52.2 7   0.0030   0.7     Reforestation   6793   0.0175   1.8974   52.2 7   0.0030   0.7     Reforestation   6793   0.0170   2.0240   61   0.0100   2.3	2 Se	danela	- Concrete	154.6	8726					h	1.9	0 0121
Reforestation   8726   0,000   0,000   0   0,0010   0,0     Pasture   8726   0,000   0,000   0   0,0100   0,0     Crop   8726   0,0100   3,5120   152,5   0,935   0,2301   19     Others   0,000   0,000   72,1     T33 Sefanopolis   466,1 8726   0,000   0,000   473,9   5,7     Forest   8726   0,000   0,000   473,9   5,7     Reforestation   8726   0,077   2,7590   140,4   0,0030   5,8     Reforestation   8726   0,000   0,000   0   0,0010   0,00     Pasture   8726   0,000   0,000   0   0,0010   0,00     Pasture   8726   0,000   0,000   0   0,0010   0,00     Pasture   8726   0,000   3,5120   23,7   0,0100   5,5     Crop   8726   0,000   0,000   12,8     T-3 Tebelra Soares   1,003,5   6793   0,0382   1,7345   197,3   0,0001   0,0     Reforestation   679,3   0,017,5   1,837,4   52,7   0,003,0   0,7     Reforestation   679,3   0,010,7   1,837,4   52,7   0,003,0   0,7     Reforestation   679,3   0,010,7   1,837,4   52,7   0,003,0   0,7     Reforestation   679,3   0,010,7   1,837,4   52,7   0,003,0   0,7     Reforestation   679,3   0,010,7   1,837,4   52,7   0,003,0   0,7     Pasture   679,3   0,010,7   1,837,4   52,7   0,003,0   0,7     Pasture   679,3   0,010,7   1,837,4   52,7   0,003,0   0,7     Pasture   679,3   0,010,7   1,837,4   52,7   0,003,0   0,7					8726	0 0 180	3.5120	09			0.1	
Pasture	-								l			
Cthers			Pasture		8726	0 0000	0 0000	0		0.0100	0.0	
T-33   Seftanopolis   466 1   8726   0 0000   0 0000   478 9   57					8726				0 935	0 2301	1.9	l
Forest   8726   0.1510   1.9040   6   0.0001   0.3   2nd vegetation   8726   0.0797   2.7590   140.4   0.0030   5.8   Reforestation   8726   0.0797   0.7590   140.4   0.0030   5.8   Reforestation   8726   0.0790   0.0000   0.0000   0.0   0.0010   0.0	g 5	rlanopolis	Jones	456 1	8726					<b></b> -	57	0.1069
Reforestation   8726   0,000   0,000   0   0,0010   0,000   0   0,0010   0,000   0   0,0010   0,000   0,00000   0,0000   0,0000   0,0000   0,0000   0,0000   0,0000   0,00000   0,0000   0,0000   0,0000   0,0000   0,0000   0,0000   0,00000   0,0000   0,0000   0,0000   0,0000   0,0000   0,0000   0,00000   0,0000   0,0000   0,0000   0,0000   0,0000   0,0000   0,00000   0,0000   0,0000   0,0000   0,0000   0,0000   0,0000   0,00000   0,0000   0,0000   0,0000   0,0000   0,0000   0,0000   0,00000   0,0000   0,0000   0,0000   0,0000   0,0000   0,0000   0,00000   0,0000   0,0000   0,0000   0,0000   0,0000   0,0000   0,00000   0,0000   0,0000   0,0000   0,0000   0,0000   0,0000   0,00000   0,0000   0,0000   0,0000   0,0000   0,0000   0,0000   0,00000   0,0000   0,0000   0,0000   0,0000   0,0000   0,0000   0,00000   0,0000   0,0000   0,0000   0,0000   0,0000   0,0000   0,00000   0,0	-1				8726	0.1510	1 9040	6	-		03	
Pasture	-		2nd vegetation			0.0797			] <del></del>			<b></b>
Crop   8726   0 0160   3 5120   296   0 925   0 2879   5 7				<b> </b>		0 0180			l	0.0100	5.5	
T-3 Tebeira Soares 1,303.5 6793 0,000 0,000 1303.5 3.4  Forest 6793 0,0382 1,7346 197.3 0,0001 0,0 2nd vegatation 6793 0,0175 1,8974 5227 0,0000 0,7 Reforestation 6793 0,0180 1,7450 119.6 0,0010 0,2 Pasture 6793 0,0170 2,0240 61 0,0100 2,3			Crop			0 0180	3 5120	296	0 925			
Forest   6793   0.0382   1.7346   1923   0.0001   0.0	٠.	Vales Coares	Others	17/24	6703				<b></b>	<b> </b>		0.1774
2nd vegetation   6793   0.0175   1.8974   5227   0.0030   0.7	3 1 63	xens 203.62	Forest	1,303.5	6793		1.7346	1923	<b> </b>		0.0	V. 11 (4
Pasture 6793 0.0170 2.0240 61 0.0100 2.3			2nd vegetation		6793	0.0175	1.8974	522 7	[	0 0030	0.7	
				<b> </b>					<b> </b>			
Crop 6793 0.0341 2.1765 407.9 0.651 0.0885 9.4	_		Crop			0.0341	2.1765	407.9	0.661	0.0885	9.4	
Others 0 00000 0 00000 0	] (			]	l	0 0000	0.0000		<b>}</b>	L	l	L

Table-A4.11 Current Soil Loss from Tibagi River Basin (4/4)

No	Municipality		Total Area* (km²)	R Factor	Äverage KS factors	Avg. non- terr. L factor	Area of Landuse (kin')	Terraced cropland (fraction)	Average C	USLE soil loss (Viva yr)	Regional contribution
T-14	Telemaco Borba		1,583.7	7129	0 0000	0,0000	1625.3			1.8	0.1145
		Forest		7129	0 0000	0.0000	• 0		0.0001	0.0	
	그러지 아무리 등 경우 시작하를 받는다.	2nd vegetation		7129	0.0510	2 64 40	107.8		0 0030	3.1	
		Reforestation		7129	0 0343	1 9854	1331 2		0.0010	0.5	
		Pasture		7129	0.0510	2.8440	46.8	حديث عصيت	0.0100	10.3	<u> </u>
	그런 이 수가도 있는데 그냥 있네?	Crop		7129	0.0167	2.3853	97.9	0.455	0.1377	13.9	
	The grant are survived the	Others			0.0000	0 0000	41.6			L	
7.11	Téagl		2,896.5	7129	0.0000	0.0000	2926.6			29	0.3399
		Forest		7129	0.1780	1.6670	130 5	- II W. 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	0.0001	02	
		2nd vegetation		7129	0.0852	1.7000	8942		0.0030	3.1	
		Reforestation		7129	0.1712	1.6608	256.3		0.0010	2.0	
		Pasture		7129	0.0329	1.8468	7589		0.0100	4.3	
		Crop		7129	0.0156	2.1142	856 6	0.743	0.0517	2.1	
	r de Page I date des l'Es X (SA X).	Others			0.0000	0.0000	30.1				
T-34	Ural		209.6	9045	0.0000	0 0000	209.6			25.0	0 2123
	The second secon	Forest		9045	0.1510	1.9040	2.1		0.0001	0.3	
77.	ndander was berija Tvikke	2nd vegetation		9045	0.1510	1.9040	0.8		0.0030	7.8	<u> </u>
		Referestation		9045	0 0000	0.0000	. 0		0.0010	0.0	
****		Pasture		9045	0.1510	1.9040	25.3		0.0100	26.0	3
* 121	rija kali se juka lalah kalabibi di	Crop		9045	0.0461	3.1725	181.4	0.831	0 2377	25.2	
		Others			0,0000	0.0000	0		Ī		
T-13	Ventania		380.1	7129	0 0000	0.0000	380.1			3.4	0.0519
		Forest		7129	0.1780	1.6670	12.2		0.0001	0.2	
	la, mái fileáchaíoideachti	2nd vegetation		7129	0.1261	1.6632	65.1		0 0030	4.5	
		Referestation		7129	0.1652	1.6737	68.5		0.0010	2.0	
7.7	P.O. O. O. O. O. O. O. O. O. O. O. O. O.	Pastice		7129	0.0328	1.9080	90.3		0.0100	4.5	
		Сгор		7129	8310.0	2.0630	144	0.670	0.0596	3.1	
		Others			0.0000	0 0000	0				
	Total •		24,655 €	************	-	***************************************	25051			Average =	10.9

a	 ion.	n.ff	ane

Assumptions:
(i) L factor for terraced cropland =
(2) P factor for non-cropland =
(3) P factor for storage terraces =
(4) P factor for contour on terraced cropland =
(5) P factor for non-terraced cropland =

1 27 1.00 0.05 0.60

(RUSLE, to compute sediment delivery)
(RUSLE, assuming plant row ridges about 5 cm high)
(RUSLE, assuming rows accross water flow, not on contour)

Note: Total larea\* of each municipality = Total Area of Municipality within Tikegi River Basin - Area of Others in the Landuse Abbreviation. Avg. non-terr. Lifactor, Lifactor for non-terraced land. Source: ESPAR database (Roloff, 1995) for KS and C Factors.

C Factor (50 % non tillage applied)- area weighted average per municipality - Iguacu Basin

5 FACTOR 130 A HOTE CHOSE S	Printer.	<u> </u>						T	r		l	r	Γ	Γ	T	Γ	Τ	T	Τ.				1	1	1						I				i
		i l					<u></u>			<b>.</b>	C Factor			l	Moize	C Factor Maze	Marine No.	T C Facto		Smean	C Factor seyscan	57,247,0	C Factor	Polato	Potalo	C Factor	Coffee	Coffee	C Factor	₩teal	Wheat	C Factor wheat	Wheat	C Factor	Average
No Municipality	Region ESPAR	Crop (ha)	Cation (Na)	Cellon (b.)	C Factor collon	Sugarcane (ha)	Sugarca sa	C Factor sugarcane	Bears (Fa)	Beans Conv. (fr.)	beans conv.	Beans NT (8.)	C Factor Beans NT	Maize (ha)		COUNT.	(1)	made N	(درا	Soybean conv. (fr.)	CORV.	Scybean NT(%)	NT	63)	(i)	potato	10	(4)	coffee	(7.0)	conv. (1)	COTV.	NT (*)	wheat N	popland (
F17 Agudos de Sul		13,500							2206	0.5	0.211	0.5	0 009	10600	0.5	0.112	0.5	0.008						100	-!-	0 361	L		ļ				l		5020 0
3-7 Almirante Tamándare	2	3,700				300			1200	0.5	0 211	0.5	0 009	7300 7300	05	0.112	0.5	0.000	1200	0.5	0.418	ns	0 C40	300		0.361			<b>!</b>	1500	1	0 416		├ <b>-</b>	0 1008 0 1337
F78 Amgere F25 Antonio Olinto	21	12,500 15,500		<b> </b>		300	· · · · · ·	0.117	7400	0.5	0.25825	0.5	0 009	2400	05	0 095	0.5	0.000	3300		7 1 9	<u> </u>		500	7	0 361				1000		73.0			J 0862
F10 Araucar's	2	24,400							4100	0.5	0 211	0.5	0 009	15500	9.5	0.112	0.5	0.008	200	0.33	0338	0.67	0 C28	4500		D 361				550	1	0 338			0 1257
F14 Balsa Nova	2	7,290			ļ	600	<b>!</b>	0 117	2300 1600	05	0.211	05	0 009	3300 12200	0.5	0.112	1 33	0 0 0 10	100	63	0.418	0.5	0 640	1500	'	0.361				1000	1	0416	-	<u> </u>	0.1032
F73 Sarracao F36 Silutuna	18	14 900 25,900				300	;	- V'''	5900	05	0.132	0.5	0 009	18500	0.5	0.119	0.5	0.008	<del></del>	L		<u>*</u> j								7000					O 0538
1-67 Boe Experance do Iguarou	19	13,500							2706	0.5	0 253	0.5	0 009	6100	0.5	0.19	0.5	0 910	2200	05	0 409	0.5	0 034		]					1000	1	0.401	ļ		8,1217
I-91 Boa Veta da Appreçida	19	12,000	1990		0.248	100	777	0.117	2300		0 253	0.5	0 009	5000	0.5	0.192	0.5	0010	1300	0.5	0.431	0.5	0 034							1500	1-1-	0.401			0.1178
I-55 Bom Sucesso do Sul I-1 Campina Grande do Sul	- 31	8,900 1,000							1530 300	0.5	0 25525	0.5	0 009	3300 700	05	0.112	05	0 008	2100	0.25	0415	0.75	9 945		1					1300	1	1 - 2 - 2			0 0750
1-20 Campa do Tenenia		13,100							3000	0.5	0.200	65	0 006	6500	05	8 095	0.5	0 008	500	05	0.338	0.5	0.029	1008	,	0 361			I					j [	0 0930
I-8 Campo Largo	7 7	15,200							3300	0.5	0 211	0.5	0 009	9200	0.5	0.112	8.5	0.008						2700	1	D 361						L			0.1243
145 Candol	20	38,500							3100	0.5	0 26125	0.5	0 009	24200	0.5	0 192	0.5	0 0 10	11200	05	0.439	0.5	0 025						ļ	3540	1 0	0 409	<u> </u>	0 025	0.137S 0.1112
t-48 Cantagalo	20. 19	22,900	L			200	<b>-</b> -	0 117	2700 5300	05	0 26125 0 253	0.5	0 009	24500 7500	05	0.192	123-	0 010 0 010	9200	05	0.409	0.5	0.034							420 3000	1 1	0 409		-	4 1515
1-88 Capanema 1-92 CapRao Leonidas Marques	19	15,700	1100	1	0.245	200		0.117	1700	55	0 253	0.5	0 009	8300	ă S	0 19	0.5	0 010	5800	0.5	0 401	0.5	0 034							700		0.401			0.1534
I-90 Cascavel	19	58,400				600		0.117	500	0.5	0 253	0.5	0 009	18800	0.5	0.19	0.5	000	37400	0.5	2.401	0.5	0 034						<u> </u>	6658	. 0.5	0 401	9.5	0.034	0.1737
N68 Catenduvas	19	24,800	1000	1	6.245			<b> </b>	500	95	9.253	0.5	0 909	17800	0.5	0.19	0.5	0 0 10	4500	65	0 401	03	0.034							350	<del>                                     </del>	0.401			0.1543
1-96 Ceu Azul	19	4,100	200	<u> </u>	8 245		ļ		2400		0.74.675	- <del></del> -	A 400	21500	0.5	0.192	05	0 0 1D	12900	033	0.401 0.415	0.5	0 034						<del> </del>	2758 5000	04	0.415	9.0	0.04	0.1224
1-49 Chopinzinho	15	41,7 <u>00</u> 31,800		i —					2900	05	0.25825	0.5	0 009	12100	03	0.119	0.5	8008	16500		D 362	0.5	0.028		—t					120C	0.17	0 362	0.83	0.026	0.1318
1-42 Clevelandia 1-5 Celombo	2	1,600						1	700	55	0.211	0.5	0 909	900	0.5	0.112	0.5	9 008	1	i															0.0814
\$15 Contenda	2	12,400							3200	0.5	0 211	0.5	0 009	6000	0.5	0.112	D 5	8008	•					320Q	•	0 361					I				0.1505
150 Coronal Vivida	. 21	28,500							1200	0.5	0 25625	0.5	0 009	1900¢	0.5	0.192	0.5	0010	8100	0.5	0.416	0.5	8.043			-:			ļ	l	1	<u> </u>		<b>├</b> ──┤	<b>0 1358</b>
1-37 Crus Madrado	15	58,800			ļ			ļ	28800	8.5	0.132	D 5	0 009	26900	0.5	0.119	0.5	0 008		ا ۔۔۔۔ا		_ <u></u> _				·			<b> </b>	250	1-1-	5 362	<b>├</b>	├	0 0655
5-56 Cruzeiro do Iguada	19	4,800	<u> </u>	<b> </b> -		<b>.</b>		l	600	0.5	9 253	0.5	0 009	2700	0.5	B, 19		0.010	1490	- 05	5.401	05.	0 034	400					<del> </del>	2000	1	8 401		├ <del> </del>	0.1361
1-8 Curistia	2	4,500			<u> </u>	,,,,	·	0.41	1000	<del> </del> _	0.351		A 2000	4000	05	0.112	0.5	9 0 0 8 3 0 1 D	2000	65	0.481	0.5	8 034	500	<b>-'</b>	0 361			t	200¢	· .	0.401		$\vdash$	1 1262
9-68 Cols Vairhos 1-69 Eneas Marques	19	9.700				400		0.117	1806 4206	05	0 253 0 25825	0.5	0 009	13500 5100	0.5	6 192	. 05	0 010	3630	- 65	5.401	┌┈┤┤	- ***						i	350	Li	0.415		L	0 1105
1-59 Ereas Margues 1-51 Fazenda Rio Grande	2	5,400	<del></del>		1	t	l	1	1400	B.5	0.211	0.5	0.009	3100	0.5	0.112	0.5	800 0	700	05		0.5	0 028	200		9 361							l		0 3781
172 Flor de Sena do Sul	19	3,200							300	0.5	0 253	0.5	0.009	2700	0.5	0 19	0.5	0010	100	05	0,401	0.5	0.034							150	1	0.431			0 1035
I-101 Foz do Iguacia	19	8,700		ļ				1			L			1900	95	0.19	05	0.010	6300	05	0.491	0.5	0.034		J				<b> </b> -	525	1	0.401	<u></u>	ا 🚛 ا	0 1793
1-76 Francisco Belliao	21	36,000	ļ	-	<b> </b>	<b>}</b>		ļ	5400	0.5	<u>6 25525</u>	0.5	0.909	26300	9.5	0 192	0.5	0 010	3200	0.5	D 416	0.5	0 040	· <del> </del>					<del> </del>	1500	0.85	D.418	0 15	0.04	0.1139 0.0643
I-35 General Carneiro	16	24,300	200	-	0 245	<b> </b>	<del> </del>	<del> </del>	2700 900	0.5 0.5	0 132	0.5 0.5	0.009	21600 9000	0.5	0.19	0.5	0.008 010 0	1500	0.5	0 401	0.5	0.034						<del>  -</del>	1270		0431			0.1181
I-63 Gograpisou I-39 Gograposys	19	11,800 154,500	200	<u> </u>			<u> </u>		10600	0.5	0.132	0.5	0.009	79800	0.31	0119	0 69	0.006	64900	0.05	0.362	0 95	0.028							4278	0.08	0.362	5 9 2	0.028	0 0453
1-43 Hiprorio Serga	21	35,400							2806	0.5	0.25625	0.5	0 009	18-900	05_	0.192	0.5	0 016	13800	0.5	6415	0.5	0 040						ł ———	1500	061	0.418	0.39	0.04	0.1530
1-89 - & ema L 38 - Linacio Martins	19	4,200 21,700		<u> </u>	}	100	<del>  '-</del>	6.117	7490	0.5 0.5	0.253	0.5 0.5	0 009	3100 14300	0.5	0.19	0.5	0.000	800	0.31	D.481	0.69	0.034	· <u> </u>		$\rightarrow$	<u> </u>			L	<u> </u>		L		0.7659
F38 Inacio Martins	15.	21,700			l	1	<b>†</b>	1	30100	05	0 200	0.5	0.006	11200	0.5	0.098	0.5	0 000	700	05	0 335	0.5	0.020						Γ	46	1	0 338		[	0 0801
I-26 Ivati I-56 Rapejara DiQeste	21	13,000	<del>                                     </del>	l			<b>—</b> —		1900	0.5	0.25825	0.5	0.008	6100	45	0 192	0.5	0 010		05	0.416	0.5	9 043							800	i	0.418		İ	0.1511
H21 (Lapa	<u> </u>	87,900					L		30,600	0.5	0 200	0.5	0.006	36000	0.5	0 D98	0.5	0.008	14100	0.5	0 338	0.5	0 020	7000	1	0.361				1200	0.79	0 338	0.21	0 028	0,1159
1-48 Caranjeras do Sul	20	38,000			L				5000	0.5	0.26125	0.5	0.009	26300	0.5	0 192	0.5	0 610	4700	0	0.409		0.025						<u> </u>	1941	0	8 409		0 025	0.0958
1-34 Lindceste	19	16,000	2900		0 246	300	1	0.117	500	0.5	0 253	0.5	0.009	11350	0.5	0.19	0.5	0.010		0.5	0.491 0.362	0.5	0.034	300		0 361			ļ <b>-</b>	230	1 1	0.425	<del>  </del>	├	0.1283
1-30 Marel 1-12 Macda Maa	1 - 18 -	26,400 16,600	1	1	1	<del></del>	<del> </del>	<del>                                     </del>	\$3100 5300	0.5	0.132	0.5 0.5	0 009	12700	05	0.112	0.5	0.008	1400	•	6 395	<u> </u>	0 028	80G	<del>- ; -</del>	0 361			L	150	<u> </u>	<u> </u>	1		0 0863
1-44 Manguéir dia	29	33,900	<u> </u>			<u> </u>			2400	0.5	D 26125	0.5	9 009	13900	0.5	0.192	0.5	0.010		05	0.409	0.5	0.025	306		0 361				1200	1 1	0.409		0.04	0.1496
3-52 Mariopolis	21	11,300	<b></b>	ļ	<del> </del>	200	<b>—</b> .	0.112	1200	05	0 25825 0 25828	0.5	0 009 0 009	12900	0.47	0 192 0 192	053	0 010		0.09	0.416 0.416	0.5	0 040	——[						100	0.7	0.418	0.3	0.64	0.0869
1-31 Mameřero 1-97 Mařefanda	19	20,500 5,900	100		0 248	500	i'	0.117	4700		02223		U D./5	2500	0.5	0.19	0.5	9 010		95	0.401	05	0 034							1957	i	0 401			0.1571
1-98 Medianera	19_	76,600	290		0 245									4900	0.5	0.19	0.5	0.010		05	0.401	- 05	0.034						ļ	4663	1 -	0.401		-	0.1062
1-79 Nova Esperança do Sudoeste	21	3,400		ļ	<b> </b>			<del></del>	2100	0.5	0.25825	0.5	0.009	6900	05	0.192	0.5	0 010	200	037	0.409	063	0 040 0 025_						<b>}</b> -	135	05	0 409	0.5	0.025	0.1073
1-52 Nova Leranjekas 9-82 Nova Prata de Iguadu	19	17,960		<del> </del>			}	ł	1100 5000	05	0 26125 0 253	0.5	0.009	7400	0.5	0 192	0.5	0 010	5000	05	0.401	0.5	0 034						<del>                                     </del>	1000	1 -32	0.401			Q.1387
1-11 Parmas	18	53,000						1	2700	0.5	0.132	0.5	0 009	24900	0.5	0.119	0.5	a DCa	24400	0.47	0 362	0.53	0.028	500		0 361				555	0	0.362		0.026	0 1220
523 Palmeira	4	10,100							500	0.5	0 200	0.5	0 006	4200	0.5	0.098	0.5	0.000	5300	0.44	0 338	0.58	Ø (128	100		0.364			<u> </u>	458	0.08	0,338	0.32	0.025	0.1170
3-51 Fallo Branco	21	25,100	<u> </u>	<u> </u>	L		<u> </u>	<u> </u>	2500	0.5	0.25625	0.5	0 009	9000	3.5	D 192	0.5	0 510		05	D 416	0.5	0 040		——I				I——	70C	ļ¹	0,418			0 1762
1-32 Paula Freitas	18	16,200	<u> </u>	<del>]</del>	ļ		<b></b>	<del> </del>	3900	0.5	0 132	- 95	9 009	6800	- 05	0 199	0.5	0.008	5000	05	0 362	- 05	0.029	{				·	[	<b>-</b>	1	··		1	0 1038 0 0864
1-31 Paulo Frontin	18	20,500	ļ		1.~~~	600	};	0.512	7250 2100	0.5	0.132	05	0 009	9500 7500	0.5	0.113	0.5	0 000	3500 4300	05	0.362 0.461	0.5	0.034						<del>                                       </del>	4570	1	0.401			0 1352
1-83 Perola do Oeste 1-16 Pen	19-	15,900	· · · · · ·	<b>†</b>	†	- 300	<del></del> '	<del>  ''''</del>	2100	0.5	0 253	95	0 009	10200	0.5	0.112	0.5	0 000						4D0		0 361				230	1		[		0 0792
1-6 Puntas	5	3,306	I			J				L	L	L	l	2500	35	0.112	0.5	0.008				[]		1300	1	0 361			!		<b>⊢</b> .			[	0 1630
1-77 Pinhal de São Barto	21	1,500	<u> </u>	<del> </del>		<del></del>	1	1	300	0.5	0 25625	0.5	0 009	1200 49400	0.5	0 192	0.5	0 010		85	0.416	0 S	0 043						<del></del>	3300	0 55	0.362	0.45	0 028	0 1149
f-40 Pinitao F-3 Pyraquara	1 2	100,890 5,500	1	<del> </del>		1	1	1-	6000	0.5	0.\$32	0.5	0 009	4700	0.5	0.112	0.5	0 000	45400		Q 362			800	•	B 361						<u> </u>			0 1038
1-84 Ptanalto	19	:8,200			į		ļ	<u> </u>	2300	0.5	0 253	0.5	0 009	5500	0.5	0.19	0.5	0.010	10000	05	5 451	0.5	0.034						<b> </b>	2000		0.455		L	0 1658
1-22 Porto Amazonas	4	4,800			1	L		1	760	0.5	0 200	0.5	0.006	2308	0.5	0.058	0.5	0 000	1100	02	0.338	0.8	0 028	. 102		0.361	LI	i	<b>!</b>	l	Į	<u> </u>		- <b>-</b>	0.0752
1-34 Porto Vitor a 1-76 Pranchita	16	5.500	l	ļ	1	100		4 117	1200	0.5	0.132	05	0.009	3800 5000	0.5	0.119	0.5	0.000	FANC	05	0.401	0.5	0.034	{		<del></del>		i	1	5000	<del> </del>	0 481	t	<del> </del>	0.0562
12 Queto Barras	2	14,000 2,500	t	1	1		1 <del>_'</del> -	_ <del>"'''</del>	2200	0.5	9 213		0 009	1490		0.112	1 0 S	8 008	30,00												1				0.0830
1-64 Quedas de Iguariu	19	24,500		1	1				2700	0.5	9 253	05-	0.009	17900	0.5 0.5	0 19	0.5	0.010	3900	0.21	B 451	0.79	0.034		!	0.361			<u></u>	500		0.401	0 24	0 034	0.1261
I-85 Realeza	19	21,600		1	<del> </del>	200	1	0.117	1700	0.5 0.5	0 21)	05	0.009	11700 8900	0.5	0.19	0.5	0 000	9300	0.5	0.401	05	0 034	3200		1/00.0		i	<del> </del> — —	4650	1-1-	0 401	<u>                                     </u>	<u>                                     </u>	0 1526
1-27 Rebouces	4	29,100		1	<u> </u>				10506	-	0 200	0.5	0 006	14800	1 05	0 090	0.5	0.008	2600	ÖŠ	5 338	0.5	0 028	900	1. ]	0.361				198	0.5				0.0917
I-54 Renasterica	23	18,500			<del> </del>		<u> </u>	<del> </del>	1100	0.5	0.25625	- 02	0 009	7006	0.5 0.5	D.192	0.5	0 010	10000	05 05	0.415	0.5	0.028						}	2000	1	0.415	0.5	0.64	0.1693 0.0848
#29 TRio Azul #61 TRio Bonillo de Igraeu	20	31,600 5,900			·		j	f	13900 700	05	0 26125	05 05	0.009	16200	05	D 098	0.5	0 DC8	900	05	0 338 0 439	0.5 0.5	0 028 0 025	600		0.362			<u> </u>	500	64	0.405	9.6	0.025	0 1208
1-19 Rio Negro	1	14,100	T	T	1	1	ī	T	5100	0.5	0 200	0.5	3 006	8600	0.5	0.095	0.5	d DGe		0	0 3 38	, 1	0.026	100		0 361					1	i i	L	<u> </u> T	0 0728
F74 Salgado F the	21	8,300		t		100	,	0 117	1300	0.5	0 25525		0.009	8700	0.5	0 192	0.5	0 010									100		B 219	350 1500	093	0.416		11	0 1064
I-80   Safio do Lonira	19	18,400	100	7	0.245	1		İ	4430	0.5	0 253	0.5	0.009	\$500	05	5 19	0.5	0.00	1500	05	0.451	0.5	0 034						!	1500 4000	09)	0.453	0.67	0.034	0 1235 0 1528
I-51 Santa Izabel do Oeste I-53 Santa Lucia	19	15,500	430	- 1	D 245	200	<del>  '</del>	0 517	1106 1200	05	0 253	0.5	0 009	5500 3900	05	0 19	0.5	0010		05	0.401	0.5 0.5	0 034		}					130	<del>                                     </del>	0431	t		0.:451
195 Santa Tereza do Ceste	19	8,830 13,400	430		0 245	100	1	D 117		1.7		0.5	1	5100	0.5	0.19	0.5	0.019	7538	04	0.401	0.6	0.034							1669	0.4	8 491	9.5	0.034	0 1975
I-100 Santa Terezinha de Itaipu	19	8,420	100		0.215	100	1	0 117	4800	<b> </b>	4.5	ļ <u>.</u>	1	1700	0 5 0 5 0 5	0.19	0.5	0 010	6300	05	0.401	0.5	0 034				i		<del>                                     </del>	1500	<del> -</del> }	D.431 D.415		[·	0.7877 0.1278
F75 Santo Antonio do Sugreste F58 San Xao	21	15,900 22,900	t	1	<del> </del>	290		0 117	4300 900	05		0.5	0.009	8400 11900	+ 35	0 192	05	0010	2430 9430	05	0.415 0.415	05	0 040	+	— <del>}</del>				t	3300		04:5	0.1	0 D4	0.1523
4-24 Sao Joan do Triunto		14.300	1-			T	1		3630	05	0 200	0.5	0 006	5800	0.5	0.095	0.5	0.000	630	0 33	0 328	067	6 029	30¢	٠, ١	0 36 )			I						0 0753
1-65 Sao Jorge do Oeste	19	17,730	t	t:	1	500	1_1_	0 117	1900	0.5	0 253	0.5	0.009	14300	0.5	0.095	0.5	0 010		05	0 401	0.5	0.034		- <u>-</u>		l <u></u>		L	484	0.75	0 401	0.25	0 534	0 1243
I-I Sao Jose dos Pichais	1_2_	17,700 29,400 43,800			1		ļ	1	- 6500 17100	0.5	0.211	0.5	0.009	21700	0.5	0.112	0.5	0.008		L		1		1200		0.361		i	l		I		<b> </b> -	F	9,5833 9,1013
1-26 Sao Maleus do Sul 1-60 Sao Mor el de lovace	19	43,800 18,700	430		0 245	<del> </del>	<del> </del>	<del> </del>	17)00	05	0 200	0.5	0 006	16800 3700	0.5	0.098	0.5	0 00e		05	0 336 0 401	0.5	0 028	1300		0 361		·	ł	400 548	1	0 303			0.1013
1-99   Sao Miguel do Iguaçu 1-60   Saudade do Iguaçu	20	7,800	<u>                                     </u>			290	1	0 117	1006	0.5	0 26125	0.5	0 009	8000	0.5 0.5 0.5	0.19	05	0 010	#30	0.5 0.5	0,401 0,409	0.5	0 025								<b></b> _	l			0 1091
1-59   Sulina	20	8,700	]			200	1	0 117	700	0.5	0.26125	0.5	0.009	6100	0.5	0.192		0.000	1400	05	0.409	0.5	9 025			5 3/2	<b></b>		ļ	750		0.409			0 1136
F13 Tyucas do Sul	1	8,000	<b>}</b>		ł	<del> </del>	··	1					0.009	7100	-	0.112	0.5	0 0Ce				<u> </u>		200		0.361					<del> </del> -	t-,			0 2664
1-87 Tres Barras de Farana	15	24 300	730	'_	ļ	I	ļ	1	3600	05	0 200	0.5	0.006	16200	- 25	0.038	0.5	0 008 0 008	- 199 <u>0</u>	05	0.338	- 05 - 05	0 020				<del></del>		<b>!</b> -	400	<del> '</del>	0 338	<b></b>	├ <b> </b>	9 0660
1-33 Uniao da Vitoria 1-57 Vera	16	15,100 18,800	I	1	<b></b>	<b> </b>	<del> </del>	1	3000	05	0.132	0.5	0.009	9600 21100	0.5	0.192	1 63	0 010	500 0300	05	0.418	05	0 043	<del>,                                    </del>						5000	1	0416			9 0660 0 1329
(-47 Virmound	20	9 100			1		1===		1800	0.5	0 26125	0.5	0.009	7300	3.5	0.192 0.192 0.192	0.5 0.5	0.010			0.439 0.416	1 1		t						5000 100	1	0.409	1		0 1073
453 Vitarina	21	14,500		1,	<u></u>	ļ		1	700	0.5	0 25625	0.5	0.009	6000	0.5	0 192	0.5	0 010	7600	05	0.415	05	0.043		1		لــــا	L	j	700	1	0.416	L	<u> </u>	Q 17C8
		w.: area fr																																	

Abbrevision fit: area fraction, Conv.: Soil Conservation Applied, NT non-sitings applied.

Source EMATER database for sea of crop land, conservation and non-sitings applied non-productively, application of green manure and chemical fertilizer ESPAR database for metacordogical data, faming system, crop sequence acc.

Cifactors of specific crop with different conditions were determined by ESPAR (Rotoff, 1955).

## Table-A4.13 C Factor for Soil Loss in Tibagi River Basin with Master Plan

E Pactor	150 % application of age till	Selates we	Squite a se erage	1	C.P.O. N.	1	·					1			T		T	T				C F = 4	1		l .		i		1			l	1	1	1	1
		Region	۱	Cetton				Sugarçane	C Factor		8eans		Beans NT	C Factor	Maria Bu	Maize	C Factor	Maize NT	C Factor maize NT	Soybean (ha)	Soybean conv. (fr.)	C Factor soybean conv.	Soybean N		T Potato (ha)	Polato (fr.)	C Factor potato		Coffee (fr	C Factor	Wheat (ha)	Wheat	C Factor		C Factor wheat NT	
No	Municipality	ESPAR	Crop (ha)	(ha)	CORON IT	cotton	(ha)	(h.)	end a.caus	Beans (ha)		01	0.5	0 005	3600	7 7 7 5	0 065	0.5	0 000	7200	05	0 343	0.5	0.063	1.000	1	<u>                                    </u>	1400	1	0 219	857	06	0 343	0.4	0.083	0 1226
	Apucarana		7500	100		0 246	428		0.117	200 100	0.5	1 01	05	0.005	2500	05	0.065	05	0 008	5500	05	0.343	0.5	0.063	† <del></del>	<del> </del>	····	1100	1	0219	2187	0.78	0 343	0 22	0 063	0.1585
	Arapongas	12	9400	100	<del>                                     </del>	0 246	100	,	9.517	400	<del></del> -	1	05	0 005	9000	05	0 087	0.5	0 000	24300	0.5	0 306	0.5	0 034	<b></b>	1	1	400	T i	0 223	12000	1	0 306	1	1	0 1435
T-31	Aşşai * Cairlornia	12	36300 2500	2200 100		0 246				400	0.5	01	0.5	0.005	1900	1 05	0.065	05	0 008	<del>- • • • • • • • • • • • • • • • • • • •</del>			1		1	1	1	100	1	0219			1	1	1	0.0547
1.38	Cambe	12	9300			7.00	100		0.117			<del> </del>		L 4.455	2000	1 65	0.126	0.5	0.008	6400	0.5	0 255	0.5	0 021				800	1	0.223	5093	0 53	0 255	0.47	0.021	0 1300
1.50	Casto		73900	<b>†</b>						4490	0.5	0.18375	0.5	0.005	28100	03	0.053	0.7	0.007	41400	0.11	0.258	0 89	0 025		T					11798	0	0 268	1	0 026	8 0429
	Congoritinhas	9	8000	300	1	8 245	900	1	0.117	200	0.5	0.1	0.5	0 005	2400	0.5	0.129	0.5	0 000	3200	0.5	D 255	0.5	0 02 1			L	1000	1	0 223	196 2683	1	0 255			0,1272
	Come lo Procopia	9	16600	300	•	0 246	700	1	D 117						1800	0.5	G 128	0.5	9 008	11300	0.5	0 255	D 5	0 921		<b></b>	L	2500	1	0 223	2683		0 255			0.1443
T-16	Curiuva	7	12700							3600	0.5	0.1855	0.5	0.005	7100	0.5	0.132	0.5	0.007		l		L	ļ.,	<u> </u>		1	1400	1	4			<b></b>	<u> </u>		0.0659
T-36	Ibipora	10	18600	1											300	0.5	0.087	0.5	0 000	16600	0.5	0 306	05	0 034		ļ		1700	. 1	0 223	2000	<u> </u>	0.308	·		0.1729
1-5	Imbituva	14	23700	[						5700	0.5	0.169	0.5	0.005	11400	0.5	0 097	05	6 009	6200	03	0 297	0.7	0 928	200	ļ <u>'</u>	0.361_		<del> </del>	+	680	0.4	0 297	0.6	0.026	0 0775
T-6	Ipiranga	14	31100							2200	0.5	0.169	0.5	0.005	22100	05	0.097	05	0 009	6500	0.25	0 297	0.75	0.026	·	1	1	<b>ŧ</b>	-	<del></del>	1999		0 297	<del></del>	8 026	0.0634
T-4	trati	4	7600	'	l					3500	0.5	0 20025	05	0.006	3900	0.5	0.098	0.5	0 000	200	0.17	0 338	0.5	0 028	· <b></b> -	<del> </del>	<b></b>	<del> </del>	<del> </del>	<del>                                     </del>	16 A2	-!-	0 338			0 0795
T-9	Nai	14	7700							3100	0.5	D.159	0.5	0.005	4100	0.5	0.097	0.5	0 003	400		D 297	0.83	0 026		1	<u> </u>			+	1860	<del></del>	0 297	+		0.1235
T-35	Jata zintio	10	10800	200		0 246						<b>!</b>			4400	1-25	0 087	0.5	0.008	5000	05	0 306	0.5	0 021	·	ļ	<b> </b>	t	+	+	999	<del>                                   </del>	0 255	<b></b>	ł	0 1169
<u>[-4)</u>	Leopo6s	9 .	5600	200		0246						}		1 400	2000	1 95	0.128	0.5	0 008 0 008	3400 40200	05	0 255 0 255	0.5	0 021	+	1	1	7000		0.223	12000	073	0 255	0.27	0 021	0.1200
T-24	Londrina		77300	500		£ 245		· · · · · ·		1500 300	0.5	01	0.5	0.005	27,000	039	0.128	0.5	8 003	2400	03	V 234	0.5	0 028	+	1	1	100	<del></del>	0 223	12000 593	1 7	021	1	0 029	0 0289
T-20	Marianda do Sul		6600							300	65	1-21	- 43	0 005	3000	0.5	0 045	0.5	0 000	500	05	<del> </del>	0.5	0 028	1	1	<b> </b>	† <del></del>	<del>  :</del> -	1 7312	215	i	0.21	· [	1	0 0208
	Maus da Sens	- 13	1100	400	<b>-</b>	6346	3600		0.117	300	Λ.5	1 01	4.5	0.005	1100	1 75	0.128	05	0 008	3000	05	0.255	0.5	0 021	1.	1	1	500	1	0 223	1800	1	0 255	1		0.1276
7.20	Nova America da Colina Nova Falima	10	5000 5000	200		0246	3000	}	Ų.,,,	100	05	0.1	0.5	0 005 0 005	1200	t <del>à š</del>	0.087	0.5	0 0C8	28-00	05	D 306	0.5	0 034	1			700	1	0 223	792	0.8	0 306	0.2	0 034	0.1487
F-24	Nova Santa Barbara	. 10	10100	4000	<del></del>	0245					· •	<del> </del>			1600	0.5	0.126	0.5	0.008	4500	0.5	0.255	0.5 0.5	0 02 1			1	1	1		1500	081	0 255	0 19	0 021	0.1697
F-15	Origueira	7	65600			12.5	-			14400	0.5	0 1855	0.5	0 005	46600	0.5	0.132	05	0 007	2600	05	0 276	8.5	0 924		T	I	1			771		0.276	L	<b>L</b>	0 0762
7-2	Palmeira		55300			t				2600	0.5	0 20025	0.5	0.006	23100	0.5	0 098	0.5	8000	28800_	0 44	0 338	0.58	0 028	600	1 1	0 361			_L	2045	0 68	0.338	0.32	6 024	0 1169
1-12	Pual do Sul	5	22000	i						2600	0.5	0.18375	0.5	0.005	12000	0.5	0 653	05	0 007	6800	0 16	0.266	0.82	0 026	400	1	0.361			4	500	6.29	0.266	071	0 026	0.0555
1-7	Ponta Grossa	•	82600							2600 5800	0.5	0 20025	0.5	0 006	36300	0.5	0.098	0.5	800.0	40500	0.35	D 334	0.58	0 028	<b>_</b>	L		<b>1</b>	<u> </u>	<b>↓</b>	8504	0.4	0 338	0.6	0.028	0 0929
T-1	Porto Amazonas	4	2000	1						300	0.5	0 20025	0.5	₽ 006	1100	0.5	0.099	0.5	0.006	500	02	0.339	0.0	0.029	100	1	0 36 1	ļ		<del> </del>	ļ <u></u> -	<b></b> _	l	<del>                                      </del>		0.0852
T-43	Primeiro de Maio	10	9600	200	1	0 2 4 6									900	0.5	180.0	0.5	0 008	8500	0.5	0 306	0.5	0.034			ļ	100	1_1_	0 223	461	<del></del>	0 306	·		0.1599 0.1507
T-43	Rancko Alegra	19	15100	200		0.245									2560	0.5	0.667	0.5	800 0	12400	05	0 306	0.5	0 034	<b></b>	<u> </u>	<del> </del>			-{	6000	<b>⊢⊹</b> −	0 306	+		0.0678
T-10	Reserva	14	246-00	L	L	!		1		9100	0.5	0.169	0.5	0.005	15000	1 95	0.097	0.5	0.009	500	05	0 297	0.5	0 026		·}	<del></del>	400	+	0.219	377 1211	}	0 297	03	0.063	0.1593
1-37	Rolandia	12	3700	ļ			600	1	0 117			ļ			700	0.5	0.065	0.5	8 008	5000	05	0 343	0.5	0.063	<del></del>	<del></del>		400	<del>'</del>	1 0219		6.87		013	6 321	0.1342
T-26	Santa Cecile do Pavao	<u> </u>	6900	L	<u> </u>	I				200	05	0.1	0.5	0 005	2100	0.5	0,128	0.5	0 009	4600	05	0 255 0 255	05	0 021	·	1	-	ļ	+	<del> </del>	1200 4000	687	0 255	<del> *'''</del>	1.4041	0 1262
1:27	Santo Antonio do Para so		10900	300		0245		ļ	<b> </b>		<del></del>	I	,,-	3005	2300	-1	0.128	20	0 008	9300	0.5		05	0 021	+	<del> </del>	t	17400	<b>—</b>	0 223	1209	<del></del>	0 255	1	·	0.1480
[-16	Sao Juronimo da Serra		60100	9000	<del></del>	0 246	6000		<del></del>	2400	0.5	01	0.5	0.005	£3500	0.5	0.128	05	0.008	7800 6900	0.5	0.255 0.255	05	0.021		1	1	300		0 223	3568	0.92	0 255	0.08	0 921	0.1274
1-30	Sao Sebastiao da Amoreira	<del></del>	16100	530	<u>                                     </u>	0.246	6900	······3	0.117	4000		0.000	0.5		16500	- 95	0.128	05	0 009		- 43 -	D 2 2 3	1	V VZ I	<b> </b>	1	<del> </del>	700	1 i	0 223		<del>- * *                                </del>	†- <del></del>	1		0.0800
<del> }  </del>	Sapopema	<del> </del>	22000			ļ		ł		4800	0.5	0 1855	- ×3-	0.005	3200	0.5	0.132	05	0.003	12100	05	0 306_	0.5	0 034	i —	<del> </del>	<b>†</b>	1	† <i>-</i>		2199	392	0 306	0.06	0 034	0.1444
1.10	Sertanopolis	<del></del>	15300 29600			1		1				1		<del> </del> -	2100	1 7	0 087	0.5	0.008	26500	05	0 306	0.5	0 034		1		900	1	0 223	2914	1	0 306			0.1629
1-3	Telanira Soares	<del>  </del>	40800	1	}	t			<del> </del>	9600	0.5	0 20025	0.5	0 006	16300		0.098	0.5	0 008	13900	02	0 338	0.8	0 028	800	1 1	0 36 1	1	1		1164	1	0.338	1	[	0 0837
1.14	Telemaco Borba	├ <i>──</i> ~	9300		<b></b>	t		<del></del> -	·	1200	0.5	0.1855		0.005	7700	7 35	0 132		0 007	400	05	D 276	0.5	0 024			1	L	1	1	L			1		0.0724
T-11	Laan	<del>                                     </del>	85700	1	l	t	<del></del>			2600	0.5	0 1855	05	0 005 0 005	26500	0.44	0.132	0.56	0.007	55700	0.08	0.276	0.92	0.024					1		13945	9.14		0.85	L	0.0508
T-34	Urai	10	18100	14-00	1	0 246		t	t			1, 55		1 <del></del> -	5000	0.5	0.087	0.5	0.008	11000	0.5	0 306	0.5	0.034		1		700	1 1	0 223	13945 3100		0306	i	L	0.1441
T-13	Ventania	<del>-</del> -	14400	1		1		<del> </del> -		606	0.5	0 18375	0.5	0.005	5200	0.5	0.053	0.5	0.007	8500	6 13	0 266	0 87	0.026		1	1		1	1	1845	Q 37	0.256	0.63	0.026	0.0489

Table-A4.14 Future Soil Loss from Iguaçu River Basin with Master Plan (1/8)

Table-A4.14 Future Soil Loss from Iguaçu River Basin with Master Plan (2/8)

Page   Page	,											
Manuforphilips						Averade				Average		Regional
145   Card   150	No	Municipality			R Factor							contribution
Capital Securition	1-15		1 1 10 N. J. J. J.	926.7							7.8	0 136
Part										0.0001		
Capta   Capt			Referestation				0 0000	0 000				·
Company   Comp			Pasture		9063	0.1105	19311	0.505				
Tell   Carlogram   Tell   Te			Crop		9063		26316	0 385	1 000	0.1375	10	
Foot   September	C46		Corers	7717	9063	0.000	8 6000					0 088
Recursition			Forest		5063	0.1780	1.6870	0.103				
Peshed   9683   0.1170   17465   0.231   1.000   0.0100   19.5   1.000   0.0100   19.5   1.000   0.0100   19.5   1.000   0.0000   19.5   1.000   0.0000   19.5   1.0000   0.0000   19.5   1.0000   0.0000   19.5   1.0000   0.0000   19.5   1.0000   0.0000   19.5   1.0000   0.0000   19.5   1.0000   0.0000   19.5   1.0000   0.0000   19.5   1.0000   0.0000   19.5   1.0000   0.0000   19.5   1.0000   0.0000   19.5   1.0000   0.0000   19.5   1.00000   1.00000   1.00000   1.00000   1.00000   1			2nd vegetation								3 5	
Cop					9063							
188   Capanenia			Crop			0 0532	2 3467	0 391	1.000			<del></del>
Forest   1211   01150   1855   0000	188		Others		-11977						and delication	
Tell	1-00	Capatiena	Forest	3/1./						6 0001		0 092
Fisher   1121   0150   1945   030	-		2nd vegetation		11211	0.1510	1 9040	0.041		0 0030	9.7	
Coc							0 0000					
Color	<b>!</b> −∹		Croo						1000			
Good   1921   0116   1940   030   0 000   0			Others			0.0000	0 0000	0.081				
Private   Priv	192	Capitao Leonidas Marques	Enrara.	260 2						A 6/4/4		0 046
Refuse places   1971   0.000				<del></del>								
Cop			Reforestation		11211	0 0000	0 0000	0 000		0 0010	00	
Content									1404			
Forst			Others	l		0 0000	0 0000	0 070		0.7334		
201   1972   1973   1973   1979   2000   258   0000   7.1	190	Cascavel		1,179 2						A-7-7-		0.074
Reforestation									·			·
Cop			Reforestation		11732	0.1510	1 9040	0.017		0 0010	3.4	
Colors									4 7.55			
138   Canadades	<b>∤</b> —		Others			0.0000	0 0000	0.036	1.000	0.1/3/	1.7	<del></del>
Refusestation	188	Calanduvas		593 9		0.0000	0,0000	19			3.7	0 041
RefuserIston											03	
Particle	[		Reforestation		11723	0.1510	1.9040	0.015	·	0.0010		
Colors			Pasture		11723	0 0305	2 8946	0 203		0 0100	10.4	
Forest			Others		11/23	0 0000	0 0000		1.000	0.1238	1.8	
Pod Vegetation	195	Ceu Azul		915.1		0 5000	0 0000	19				0010
Reforestation												
Pashure	ļ		Reforestation									
149 Cropnzicho			Pasture		11732	0 0180	3 5120	0.033		0 0100	7.1	
Forest	l		Others		11732				1.000	<u>0.1549</u>	13_	
Company   Comp	7 19	Chopinzinho		955.4		0.0000	0.0000	21		<b></b>		0.134
Reforelation					9063					00001		
Pasture			Reforestation			0.1443				0.0030		
147   Office   Ser.			Pasture		9063	0.1073	2 0106	0 247		0 0100	195	
Forest			Crop Others		9063	0.0281	2 6080		1 000	0.1224	12	ļ
Particle   Particle	112	Clevelandia	100000	667.1		0.0000	0 0000	16		<del> </del>	20	0.025
Reforestation										0.0001		
Pasture			Reforestation	<del> </del>			0.0000					
State	1		Pasture		9299	0.0165	1.8338	0 219		0.0100	28	
State			Crop Others	ļ	9299		2 2070	0.449	1.000	0 1318	07	
2nd vegetation	13			105 3		0.0000	0.0000	7		<u> </u>		8 0003
Pasture				ļ				0 500				
Pasture	ļ			<del> </del>	5334		0 0000		ļ			
Forest			Pasture		5334	0.0140	1.9950	0 243		0.0100	1.5	
Forest			Others		5334	0.0140	1 9950	0.124	1.000	0.0818	02	<b> </b>
Forest   F	113	Contenda		219 0		0.0000	0.0000	3		<del></del>		0 008
Reforestation   5697   0.000   0.000   0.000   0.001   0.0							0.0000	0 600		0 0001	1.00	
Pasture	1		Reforestation	ł		0.0000		0.253		0.0030		ļ
Forest   1472   0.000   0.000   21   7   7   7   7   7   7   7   7   7			Pasture	I	5697	0 0 3 4 8	2 1248	0.176		0 0100	42	l=
Forest   1472   0.000   0.000   21   7   7   7   7   7   7   7   7   7	1-		Crop Others	<u> </u>	5697	0 0160	2 2330	0.557	1.000	0.1505	0.5	
Forest   1472   0.1510   1.9640   0.005   0.3	150	Coronel Vanda		6873	11172	60000		21		<u> </u>	7.9	0 096
Reforestation   1472   0.1510   1.9040   0.002   0.0010   3.3   Pasture   11472   0.0555   2.3858   0.234   0.0150   15.2   0.000   0.00000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.00000   0.00000   0.00000   0.00000   0.00000   0.00000   0.0000000   0.000000   0.00000000				T	11472	0.1510	1.9040	0 605		0 0001	63	
137   Cruz Wachado	1-		Reforestation	<u> </u>	11472	0.1510	1 9040			0.0030		
1-37   Cru2 Wachado			Pasture		11472	0 0555	2 3853	0.234		0.0100		
1-37   Cru2 Wachado			Crop		11472	0 0330	2 5244	0.425	1.000	0.1358		
Forest   8250   0.1734   1.6840   0.183   0.0001   0.2	137	Cruz Wachado	Induits	3,187	8250	L 00000 L	0.0000			<del> </del>	1-22	0.058
Reforestation   8250   0.0000   0.0000   0.0001   0.0     Pasture   5250   0.0145   1.9550   0.096   0.0100   0.2     Cop					8250	0.1734	1.6840	0.183			0.2	
Pasture	I		Refrectation	1	8250	0.1433	1.6627					
Crop   8250   0.0165   2.1771   0.392   1.000   0.0656   0.3     1.68   Cruzevo do Iguacu   89.4   11723   0.0000   0.0000   13     5.7     1.69   1.723   0.0000   0.0000   13     0.0001   0.3     1.723   0.0000   0.0000   0.0000   0.0000   0.0001   0.3     1.723   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000     1.723   1.723   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000     1.724   1.725   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000     1.725   1.725   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000     1.725   1.725   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000     1.725   1.725   0.0000   0.0000   0.0000   0.0000   0.0000     1.725   1.725   0.0000   0.0000   0.0000   0.0000   0.0000     1.725   1.725   0.0000   0.0000   0.0000   0.0000   0.0000     1.725   1.725   0.0000   0.0000   0.0000   0.0000   0.0000     1.725   1.725   0.0000   0.0000   0.0000   0.0000   0.0000     1.725   1.725   0.0000   0.0000   0.0000   0.0000   0.0000     1.725   1.725   0.0000   0.0000   0.0000   0.0000   0.0000     1.725   1.725   0.0000   0.0000   0.0000   0.0000     1.725   1.725   0.0000   0.0000   0.0000   0.0000     1.725   1.725   0.0000   0.0000   0.0000   0.0000     1.725   1.725   0.0000   0.0000   0.0000   0.0000     1.725   1.725   0.0000   0.0000   0.0000   0.0000     1.725   1.725   0.0000   0.0000   0.0000   0.0000     1.725   1.725   0.0000   0.0000   0.0000   0.0000     1.725   1.725   0.0000   0.0000   0.0000   0.0000     1.725   1.725   0.0000   0.0000   0.0000   0.0000   0.0000     1.725   1.725   0.0000   0.0000   0.0000   0.0000   0.0000     1.725   1.725   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000     1.725   1.725   1.725   0.00000   0.00000   0.0000   0.0000   0.0000   0.0000   0.0000   0.00	1		Pasture	1		0.0140	1 9950	0 096	·			
Forest   11723	[		Crop			0.0155	2.1771	0 392	1.000	0 0656		
Forest   11723	166	Cruzevo do Iguacu	I-vie:2	89 1-	11723	0.0000				<del> </del>	37	0010
2nd vegetation				1	11723	0.1510	1.9040	0.030	t		93	
Pasture 11723 0.0330 2.9506 0.268 0.0100 11.4 Crop 11723 0.0330 2.3400 0.493 1.000 0.1361 2.0			2nd vegetation		11723		2 2111	0.135		0 0030	9.1	I
[Crop			Pasture	1			2 9506	0 268	·			<u> </u>
			Стор			0 0330	2 3400	0.493	1 000			
1 00000 00000 0074	l	I saka ji da kacamata	Others	l	1	0 0000	0 0000	0.074	I	<u> </u>		

Table-A4.14 Future Soil Loss from Iguaçu River Basin with Master Plan (3/8)

r			Total		1	Aug pag	Area	Terraced		USLE	
			Area*		Average	Avg. non- terr. t	Fraction of	cropland	Average	soil loss	Regional
No	Municipality		(km2)	R Factor	KS factors	factor	Landusa	(fraction)	C	(tina yr)	contribution
13	Curaba		92.7	-533	0.0000	0.0000	77.			0.8	0001
	발간 글에 전기를 받는다. 생활.	Forest 2nd vegetation		5334 5334	0 0000	2 2330	0 000		0 0001	00	ļ
		Reforestation		5334	0 0000	0 0000	0 000		0 0010	00	
		Pasture		5334	0.0150	2 2330	0.054		0 0100	19	
		Crop		5334	0.0160	2 2330	0.105	1.000	0 0934	03	
-151-	Dois Vizinhos	Others	~35 <b>5</b> 7~	13069	0 0000	0 0000	0.786			67	0.045
100	1203 Y 21 (103	Forest	3034	11069	0 0000	8 0000	0 000	· all vis des lieber sets	0 0001	86	0.046
		2nd vegetation		11069	0.1510	1 9040	0.147		0 0030	95	
		Reforestation		11069	0.0000	0 0000	0 000	-34	0.0010	0.0	i
		Pasture		11069	0.0452	28477	0 294		0 0 100	14.6	
H		Crop Others	ļ ———	11069	0 0330	2 6 180	0 539	1.000	0.1202	17	
169	Eneas Varques	Opiois.	234.7	11069	0 0000	0 0000				13.5	0.050
ar-colours		Forest		11069	0 0000	0 0000	0 000		0 0001	00	
		2nd vegetation	<u> </u>	11069	0.1510	1 9040	0 286		0 0030	95	
7.5	D. Tanarana, and a	Reforestation Pasture	<u> </u>	11069 11069	0.0000 0.1510	9 0000 1 9040	0.000		0 0010	318	
7.		Crop		11069	0.0655	2 2 193	0.414	1 000	0.1105	3.1	
		Others	~~~		0 0000	0 0000	0 000				
H	Fazenda Rio Grande		1002	5334	0.0000	0 0000 0 0000	0 000			0.7	०००१
		Forest 2nd vegetation		5334 5334	0.0180	1.7450	0.175		0 00001	00	
	国 当一只话题对给复杂。	Reforestation		5334	0 0000	0 0000	0 000		0 0010	.00	
		Pasture		5334	0 0179	1.7712	0.242		0.0100	1.7	
	kija a kulu jasti ili kijudi.	Crop Others	<u> </u>	5334	0.0160	2 2330 0.0000	0.487	1 000	0 0781	03	ļ
172	Flor da Serra do Sul	-cusers	-833	11069	0.0000	0.000	19		<del> </del>		0.001
		Forest		11069	0 0000	6 2000	0 000		0 0001	00	
	医点点性外部 医动脉	2nd vegetation		11069	0.0180	1.7450	0 272		0 0030	10	
		Reforestation Pasture		11069 11069	0.0000	0 0000 1.7450	0 000		0.0010	35	
		Crop	·	11069	0.0162	2.1756	0 340	1.000	0.1035	0.7	ļ
		Others			0.0000	0.0000	0.331				
1-101	Foz do lovacu	Engar	256.0	10667	0.0000 0.0330	0 0000 2 9670	0 292		N.XXX	23	0014
		Forest 2nd vegetation		10667	0.0330	2 9670	0.100		0 0001	3.1	
		Reforestation		10667	0.0000	0.0000	0 000		0 0010	00	
	医精乳体 经制度公司	Pasture		10667	0.0330	2.4570	0.150		0.0100	8.6	* //
<u> </u>		Crop Others		10667	0.0330	0.0000	0.278 0.180	1.000	0.1793	2.4	
170	Francisco Beltrao	Cultis	688.3	11069	0.0000	7	···			48	0.060
	Box 1 1 Contract two states	Forest		11069	0.1310	1 9040	0 015		0 00001	03	
		2nd vegetation		11069	0.1510	1 9040	0.197		0 0030	95	
	마하는 중요한 경험을 되었다.	Reforestation Pasture		11069 11069	0.0000	9 0000 2 1988	0.000		0.010	7.3	
		Crop		11069	0.0324	2 6397	0.517	1.000	0.1139	1.5	
		Others			0 0000	0.0000	0.011			1	
135	General Carnevo		10116	8250	0.0000	0 0000	6			28	0.038
	[변경화학자 기계 전환 : 14월 10	Forest 2nd vegetation	l	8250 8250	0.1780 0.1085	1.6670 1.8628	0 349		0 0001	5.0	
		Referestation		8250	0.0000	0.0000	0.000		0 0010	0.0	
		Pasture		8250	0.0148	2 0930	0 051		0.0100	26	
		Crop Others		8250	0.0000	0.0000	0 229 0 049	1.000	0 C643	0.3	ļ
F63	Guaraniacu	Colleis	493.2	11723	00000	0 0000	19		<del> </del>	136	8.128
	क्षान्य कुरु विकास के अपने के प्रकार के प्रकार के कि	Forest		11723	0.1510	1.9040	0.025		0 0001	03	
42.1		2nd vegetation		11723	0.1510	1.9040	0.448		0 0030	10.1	
		Reforestation Pasture	<del></del>	11723 11723	0.1093	0 0000 2 1953	0 000		0.0010	28.2	
1		Crop		11723	0 0330	2 5718	0 238	1.000	0.1181	1.7	l
		Others			0.0000	0.0000	0.003				
1-39	Guarapuava	Forest	3,360.3	8877	0.0000	1.6670	0.137		0 0001	0.3	0.351
		2nd vegetation		8877	0.1651	1.6549	0.142		0 0030	7.4	ļ
	E 1일 교회생 교환자 보호	Reforestation		8877	0.1780	1.6670	0.018		0 0010	26	
		Pasture	l ———	8877	0.0314	1.7044	0 237		0.0100	4.7	
		Crop Others		8877	0.0160	2 2330 0 0000	0.454	1.000	0.0453	02	<del></del>
143	Honorio-Serpa		B03.7	9299	0.0000	0.0000	71			5.4	0 681
		Forest		9299	0.1510	1 9040	0.028		0 0001	0.3	
		2nd vegetation Reforestation	i	9299 9299	0.1510	0 0000	0.000		0.0030	80	ļ
		Pastura		9299	0.0429	2.4186	0.193		0 0100	9.6	<u> </u>
	M. Geltine I. N. Stall VII.	Crop Others		9299	0 0330	2.6807 0.0000	0.438	1.000	0.1530	1.8	
	lbema .	Others	147.4	11/23	0 0000	0 0000	0 003			61	0017
100	rusare and the second second	Forest	136.5	11723	0.1510	19043	0 028		0.0001	03	VVII
	[육생회 시설 교육 관광교육]	2nd vegetation		11723	0.0940	2.4179	0.482		0 0030	80	
	[발표기 없는 [라고스/프립]	Reforestation		11723	0.1510	1.9040	0.046		0 00 19	3 (	
	[발라 도전 방안는 12] 보다.	Fasture		11723	0.0330	2.7349	0.154	1.000	0.0100	10.6 1.6	
	[일] 경찰 발생 방송 기사	Crop Others			0 0000	0.0000	0 007		V. 1V13	<u>;                                    </u>	
138	inacio Martins		879 9	8877	0 0000	0 0000	18	desired at a Color		0.8	0013
		Forest		8877	0.1532	1.6674	0.370		0 00001	0.2	
	[[문화 제 시간 영화 활용 /	2nd vegetation Reforestation		8877 8877	0.0000	0 0000	0 234		0 0030	0.0	
		Pasture		8877	0 0156	1.8950	0.090		0.0100	26	<del></del>
	[발명] 등 바다들이 되다	Стор		8877	0.0152	2 1401	0 246	1,000	0.0659	03	
1-28		Others	407.9	6793	0,000	0.0000	0.000			21	0016
1-28	Kati	Forest	407.3	6793	0.0740	17200	0.082		0 0001	0.1	0016
} —	[4] 그 일을 하다 하나 중요일	2nd vegetation		6793	0.1092	1.8696	0.360		0.0030	12	
		Reforestation		6793	0.0740	1.7200	0 018		0.0010	0.9	
	<b>[大学的 ] 建筑</b> [大学]	Pasture		6793 6793	0.0000 0.0556	0 0000 2 1654	0 000	1.000	0.0100	0.0	<u> </u>
-	[발문] 살아 생각을 가장을 보냈다.	Crop Others		\$193	0 0000	0.0000	0000	1.000	0 0001	1.2	
	<ul> <li>Reserve that it is the end of the</li> </ul>		•	•							<b></b>

Table-A4.14 Future Soil Loss from Iguaçu River Basin with Master Plan (4/8)

	The state of the s		Total		- Control of the Cont	Avg. non-	Area	Terraced		USLE	-
			A∕63,		Average	ten L	Fraction of	cropland	Average	soil foss	Regional
No	Municipality		(km2)	R Factor	KS factors	factor	Landuse	(fraction)	C	(t/ha yr)	contribution
155	nage ara DiDeste		2123	100.9	0 0000	0 0000				31	0 015
		Forest		11069	0.1510	0 0000 1 9040	0.000		0 0001	95	
		2nd vegetation Reforestation		11069	0.0000	0 0006	0 000		0.0010	00	
		Pasture		11069	0 0095	2 2677	0 274		0 0100	2.1	
1		Croo		11069	0 0261	3 1381 0 0000	0.527	1 000	0.1611	18	
	general management and a second second second second second	Others	2,1903	-	0.0000	0 0000	0 015			-	0.038
1-21	Capa	Forest	2,1903	6481	0 1780	1 6670	0012		0 0001	02	7 008
	Will in the	2nd vegetation		£431	0.1183	1.6679	0 397	<del></del>	0 0030	38	-
		Reforestation		6431	0.1780	1.6570	0.066		0.0010	19	
		Pasture		6451	0 0226	1.7339	0 120		0.0100	25	
		Crop		5481	0.0150	1.9330	0 399	1 000	0.1159	0.4	
178	Caranjavas do Sul	Others	939 0	9063	7 0000	1000	780			73	0 128
7 43	Calanicas on Col	Forest		5063	0.1490	16480	0 063		0 0001	02	
		2nd vegetation		9063	0.1119	1 7848	0 268		0 0030	5.4	
		Reforestation		9063	0 0000	0 0000	0 000		0 0010	00	
		Pasture		9063 9063	0.1154 0.0462	1.9277	0 223	1.000	0.0955	20 2	
		Crop Others		3003	0 00000	6 0000	0.107	1.000	0.0353	- 13	
191	Undoeste		273.2	11732	0000	0.0000	13			8.6	0044
		Forest		11732	0.1510	1 9040	0 085		0 2001	0.3	
	医乳腺腺 医邻苯二苯基甲基	2nd vegetation		11732	0.1510	1 9040	0 070		0 0030	10.1	
		Reforestation Pasture		11732 11732	0.0000	2 0477	0 000		0.0010	0.0 26.9	
	医二磺基苯酚 医二苯	Crop		11732	0.0243	3 0223	0 584	1.000	0.1283	1.4	
	<u>La companya da ilaya ka ka</u>	Others			0.0000	[_00000.	0 000				
F30	Wallet		6728	8250	0.0000	0 6000	18			28	0 033
		Forest		8250 8250	0.1109	1.7200	0 207		0 0001	6.7	L
		2nd vegetation Reforestation		8250	0.1309	0.0000	0 000	<del></del>	0.0010	0.0	L
		Pasture		8250	0.0000	0 0000	0 000		0.0100	00	
7,71		Crop Others		8250	0.0967	1 9978 0 0000	0.422	1 000	0.0675	2.1	
+	Mandrauba	(Uthers	390.1	1897	0.0000	8 0000	0 000	<u> </u>		35	0 025
-16	Me:NHRUU4	Forest	330.1	5697	0 0000	- 60000	0 0000		0.0001	00	V 023
<del></del>		2nd vegetation	1	5637	0.1160	1.6560	0 205	l	0.0030	33	
		Reforestation		5697	0.1160	1.6560	0.060		0.0010	1.1	
		Pasture		5697	0.1082	1.6631	0.250 0.480	1 000	0.0100	10.2	<u> </u>
<del></del> -		Crop Others	<del>-</del>	5697	0.0165	0.0000	0.005	1000	0 0869	03	ļ
in	Wangueumha		791.6	9299	0 0000	0 3000	7			3.3	0 076
		Forest		9299	0.1780	1.6670	0 085		0 0001	03	
		2nd vegetation		9293	0.1669	1.6832	0 337		0.0030	7.8	
<u></u>		Reforestation Pasture		9299 9299	0.0000	1.9520	0.000		0.0010	14.3	
		Crop		9299	0 0154	2 1638	0.423	1.000	0.1496	0.8	
		Others			0.0000	0 0000	0 009			1	
F52	Mariopolis		202 8	9478	0.0000	0.0000				1.6	0.006
<u> </u>		Forest 2nd vegetation	÷	9478	0.1510 0.0494	1 9040	0 265		0.0001	2.9	
	•	Referestation		9478	0 0000	0.0000	- 6000		0 00 10	60	<u> </u>
-		Pasture		S478	0 0160	2 2330	0.113		0.0100	3.4	
		Others		9478	0 0145	2 2404	0.489	1.000	0 0869	0.5	
171	Mannelego	TORIGHT.	1097	11059	0 0000	0 0000	0.126	·····		39	0.830
		Forest		11069	0.1310	19040	0016		0 0001	03	
		2nd vegetation		11069	0.1496	1 9073	0.295		0.0030	9.5	
		Reforestation		11069	0.1510	1,9040	0 003	l	0 0010		<del></del>
	1	Pasture Crop	ļ.——	11069 11069	0.0160	2 2330 2 2646	0.141	1.000	0.0100	0.5	<del> </del>
	1 •	Others		1	0 0000	0.0000	0.456	l	Y 1107		<del>                                     </del>
1-97	Vatelandia	*******	593 1	10E87	0.0000	0 0000	19			12.	0 019
	1	Forest		10667	0.0764	2 4262	6 509		0.0001	02	
	1	2nd vegetation Reforestation		10667	0 0000	3.1295	0.000	l	0.0030	23	<del> </del>
	1	Pasture		10667	0 0180	3 5120	0.140	l	0.0100	67	
	1	Crop Others		10667	0.0180	3 5120	0 099	1,000	0.1571	1.1	
. C.S.	Wedaneira	Others	583.6	10667	0 0000	0 0000	0013	ļ		-13-	0 021
r-30	THE CANAL PERIOR	Forest	, JOS. 0	10667	0 0753	2 3454	0 388	<b> </b>	0.0001	1 62	0 021
<del></del>	1	2nd vegetation	l	10667	0 0245	3.0055	0.118	t	0.0030	2.4	l - <del></del>
	1	Reforestation		10667	0.0000	0 0000	0.000		0.0010	00	<u> </u>
	-	Pasture	ļ	10667	0 0180 0 0180	3 5120 3 5120	0 167		0.0100	67	
	1	Crop Others		10001	0 0000	6 0000	0.061	1,000	0.1766	1 13	<b></b>
179	Nova Esperanca do Sudoesta		176 9	11069	0.0000	0.0000	71	<u> </u>	t	727	0 042
		Forest	[	11069	0.1510	19040	0 025		0 0001	63	
		2nd vegetation		11069	0.1510	1.9040	0.149		0 0030	9.5	
		Reforestation Pasture		11069	0.1510	0 0000	0 000		0 0010	318	
	•		f	11069	0 0847	2 1489	0 534	1 000	0.1062	38	1
		Crop	i .		0.0000	0.0000	0.000			1	
					0.000			I	,		0 062
162	Nova Laranjeiras	Crop Others	578.8	9063	0.0000	0 0000	20		+	37	1
162	Nova Laranjeiras	Crop Others Forest	578.8	9063 9063	0.1510	1.9040	0 339		0.0001	0.3	
162	Nova Laranjeiras	Crop Others Forest 2nd vegetation	578.8	9063 9063 9063	0.1510 0.1129	1 9040 1 9586	0 339		0.0030	6.1	
1-62	Nova Laranjeiras	Crop Others Forest	578.8	9063 9063 9063 9063 9063	0 0000 0 1510 0 1129 0 1510 0 1003	1 9040 1 9586 1 9040 2 1387	0 339 0 351 0 002 0 169			0.3	
162	Nova Laranjeiras	Crop Others Forest 2nd vegetation Reforestation Pasture Crop	578.8	9063 9063 9063 9063	0.1510 0.1510 0.1510 0.1510 0.1003 0.0030	1 9040 1 9586 1 9040 2 1387 2 9670	0 339 0 351 0 002 0 169 0 133	1000	0.0030	03 61 26	
		Crop Others Forest 2nd vegetation Reforestation Pasture		9063 9063 9063 9063 9063 9063	0.0000 0.1510 0.1129 0.1510 0.1003 0.0330 0.0000	1 9045 1 9586 1 9040 2 1387 2 9670 0 0000	0 339 0 351 0 002 0 169 0 133 0 000	1000	0.0030 0.0010 0.0100	0.3 6.1 2.6 19.4 1.2	
	Nova Laranjerias Nova Prata do Iguacu	Crop Others Forest 2nd vegetation Reforestation Pasture Crop Others	578.8	9063 9063 9063 9063 9063 9063	0.0000 0.1510 0.1129 0.1510 0.1003 0.0330 0.0000 0.0000	1 9040 1 9886 1 9040 2 1387 2 9670 0 0000	0 339 0 351 0 002 0 169 0 139 0 000	1000	0.0030 0.0010 0.0100 0.1073	0.3 6.1 2.6 19.4 1.2	0.076
		Crop Others Forest 2nd vegetation Reforestation Pasture Crop Others		9063 9063 9063 9063 9063 9063	0.0000 0.1510 0.1129 0.1510 0.1003 0.0330 0.0000	1 9045 1 9586 1 9040 2 1387 2 9670 0 0000	0 339 0 351 0 002 0 169 0 133 0 000	1000	0.0030 0.0010 0.0100	03 61 26 19.4 12	
		Crop Others Forest 2nd vegetation Reforestation Pasture Crop Others Forest 2nd vegetation Reforestation		9063 9063 9063 9063 9063 9063 11723 11723 11723	0.0000 0.1510 0.1129 0.1510 0.1003 0.0330 0.0000 0.0000 0.1513 0.1510	1 9045 1 9386 1 9040 2 1387 2 9670 0 0000 0 0000 1 9040 0 0000	0 339 0 351 0 002 0 169 0 133 0 000 19 0 018 0 112	1000	0.0030 0.0010 0.0100 0.1073 0.0001 0.0030 0.0010	0.3 6.1 2.6 19.4 1.2 12.5 0.3 10.1	
		Crop Others Forest 2nd vegetation Reforestation Pasture Crop Others Forest 2nd vegetation		9063 9063 9063 9063 9063 9063 11723 11723	0.0000 0.1510 0.1129 0.1510 0.1003 0.0000 0.0000 0.1510	1 9040 1 9886 1 9040 2 1387 2 9670 0 0000 0 0000 1 9040 1 9040	0 339 0 351 0 002 0 169 0 139 0 000 19 0 016 0 112	1000	0 0030 0 0010 0 0100 0 1073	03 61 26 194 12 125 03	

Table-A4.14 Future Soil Loss from Iguaçu River Basin with Master Plan (5/8)

	<u> </u>		- جبيع			-			<del></del>		
i			Total Area		Average	Avg non- tea, L	Area Fraction of	terraced croptand	A.:a:300	USLE softess	Regional
No	Municipality		(lon2)	R Factor	KS factors	factor	Landuse	(fraction)	Average C	(thalyr)	contribution
141	Palmas		3,022.1	9318	0 0000	0,0000	18			36	0 204
		Forest		9318	0.1780	16670	0 241		0 0001	03	
7		2nd vegetation Reforestation		9318 9318	0 1569	1 6534	0 253		0 0030	7.7	
		Pasture		9318	0 0296	1 5€43	0 313		00100	4.3	
		Crop		9318	0 0156	2.1077	0.169	1 000	0 1220	07	
127	Falmera	Od érs	7773	6181	0 0000	0 0000	0.024			16	0.003
		Forest		6451	0 0745	17200	0 009		0 50001	01	
		2nd vegetation		6481	0.0758	1 6766	0 509		0 0030	25	
-		Reforestation Pasture		6481 6481	0 0740	1.7450	0.017		0.0010	08 20	
7	Internation to the first	Crop		6451	00147	19488	0 368	1.000	0.1170	04	<del></del> -
		Others			0 0000	0.0000	0 002				
1-21	Pala Branco	Forest	561.2	11472	0 0000	1 9040	0 006		0 0001	25 03	\$ 628
H		2nd vegetation		11472	0.0504	2.1492	0.310		0 0030	37	<del> </del> -
		Reforestation		11472	0 0000	0 0000	0 000		0.0010	0.0	
		Pasture :		11472	0 0160	2 2330	0 228		0.0100	4.1	
		Crop Others		11472	0.0112	2 2575 0 0000	0 441	1 000	0.1702	0.8	
F37	Paula Freitas		367.1	8250	0 0000	0.0000	16	***************************************		0.5	6.684
		Forest		8250	0 0180	1.7450	0.02		0 0001	00	
	그는 이 시작되면 사일 점심	2nd vegetation Reforestation	<u> </u>	8250 8250	0.0174	1.8931	0.369		0.0030	08	· ·
		Pastúre		8250	0.0000	0 0000	0.000		0.0100	00	
		Ctob	ļ	8250	0.0160	2 2330	0 388	1.000	0.1038	0.5	
137	Paulo Frontin	Others	361.1	8250	0 0000	0 0000	0 119			- 05	0.003
		Forest		8250	0 0180	1.7450	6 053		0.0001	88	V 1003
		2nd vegetation		8250	0 0145	1 9601	0.358		0.0030	0.7	
		Reforestation Pasture		8250	0.0180	1.7450	0 001		0.0010	0.3	
		Сгор	<b> </b>	8250 - 8250	0 0146	2 0609	0 542	1 000	0 0100	0.4	-
		Crop Others			0.0000	2 0609 0 0000	0.044	, , ,		[	
100	Feroia do Cesta	Forest	308.8	11211	0.1510	9040	0 015		0.0901	10.3	0 659
3.27.7	[일시원 시] 한 1일 한 경상이	2nd vegetation		11211	0.1510	1,9040	0.137		0.0030	9.7	
		Reforestation		11211	0 0000	0 0000	0 000		0 0010	0.0	
		Pasture		11211	0.1051	2 0735	0.301 0.483	1.000	0 0 500	24.4	
		Crop Others			0 0000	0 0000	0.064	1.000	0.1352	19	
118	Pen		246 6	5897	0.0000	0.0000				18	0.008
		Forest 2nd vegetation		5691 5697	0.5799	1.7110	0.050		0.0030	6.1	
		Reforestation		5697	0.1160	1 6560	0 069		0.0010	33	
	[대한 경영 : 기술 : 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Pasture		5697	0.1160	1.6560	0.016		0.0100	10 9	
	[4일] 글로그 선생활 중에다	Crop Others		5697	0.0474 0.0000	1.8954 0.0000	0.493 0.057	1.000	0.0782	0.8	· · ·
13	Finhas	0.013	75.7	E334	8 8888	00000				- 58-	7007
		Forest		5334	0.0000	6.0000	0,000		0 0001	65	
		2nd vegetation Reforestation		5334 5334	0.0000	1.7450 0.0000	0.113		0.0030	05	<u> </u>
		Pasture		5334	0 0160	1.8712	0.335		0 0100	1.6	
		Crop		5334	0 0140	1 9950	0.391	1.000	0.1630	0.5	
F77	Pinhal de Sao Bento	Others	107.6	10681	0 0000	0.0000	0 260			75-	0.015
		Forest	101.0	10681	0 0000	6 5005	0.000	~	0.0001	- 66	4013
		2nd vegetation		10681	0.1039	2 3280	0.549		0.0030	7.8	
		Reforestation Pasture		10681	0.0000	2 5720	0.000	·	0 0010	9.1	
$\vdash$		Crop		10681	0 0330	2 3400	0.151	1.000	0.1149	1.5	
		Others			0.0000	2 3400 0 0000	0.000				
1-40	Prihao	Forest	2,812.8	5877 8677	0.0000 0.1780	0.0000 1.6670	0.264		0.0001	0.8	0.034
		2nd vegetation		8877	0.0916	1,7414	0 246		0.0030	12	
		Referestation		8877	0.0000	0.0000	0 000		0 0010	0.0	
		Pasture Crop		8877 8877	0.0140 0.0660	1 9950	0.118 0.350	1,000	0 0100 0 0425	25 09	
		Others			0.0000	0.0000	0 0 2 2	1.500			
13	Piraquara		162.2	5334	0.0000	0.0000			****	28	6.008
		Forest 2nd vegetation		5334 5334	0.1780	1.6670 1.6648	0 367 0 087		0 0001 0 0030	02 4.7	
		Relotastation		5334	0 0000	0.0000	0 000		0.0010	00	
		Pasture		5334	0.1295	1 6520	0 173		0 0100	11.4	
		Crop Others		5334	0.0268	1.9493	0.317	1.000	0.1038	0.6	
133	Planalto		3298	11211	0.0000	700000	استواسيا			136	0.084
		Forest		11211	0 0000	0 0000	0 000		0 0001	00	
		2nd vegetation Reforestation		11211	0.1510	1 9040 0 0000	0.106 0.000		0 0033 0 0010	97	
		Pasture		11211	0.1510	19040	0 333		0 0100	322	
		Crop		11211	0.0417	2.30?7	0.540	1.000	0.1658	30	
1:22	Porto Amazonas	Others	153.0	6451	0.0000	0 0000	0.021			22	- 87008
		Forest		6481	0.0000	0 0000	0000		0.0001	- 56	
		2nd vegetation		5481	0 C470	1 6690	0 322		0.0030	1.5	
-		Reforestation Pasture	·	6481	0.0470	1 6690 1 6690	0 066 0 298		0.0010	05	]
		Crop	·	6481 6481	0.0193	1.7416	0 238	1.000	0 0100 0 0752	5.1 0.4	l
		Others			0.0000	0.0000	0 000	~~~~			
1-34	Forto Vitoria	Forage	192 2	8250 8250	0 0000 0 1780	0 0000	0.149		7.007	38	0011
		Forest 2nd vegetation		8250	0.1628	1.6670 1.7201	0.149		0 0030	6 9	
		Reforestation		8250	0 0000	0 0000	0.000		0 0010	0.0	
[I		Pasture Crop		8250	0 0000	0.0000 2.2330	0.000	-,^^-	0 0100	0.0	
		Others		8250	0 0160 0 0000	2 2330	0.256 0.126	1.000	0.0582	03	
المسدنسد.				<del></del>							

Table-A4.14 Future Soil Loss from Iguaçu River Basin with Master Plan (6/8)

<b>_</b>	<del></del>		Total	<del></del>		Avg. non-	Area	Terraced	<del></del>	USLE	
	,		Area*		Average	ten, L	Fraction of	cropland	Average	\$00 105\$	Regional
No	Municipality Pranchia		(km2) 275.4	R Factor	KS factors	factor 0 0000	Landuse	(fraction)		(Vha.yr)	contribution
	FIARCHEA	Forest	2/3.4	10681	6 50005	60000	0000		6 0001	- 33	0.030
		2nd vegetation		10681	0.1257	2.1323	0.163		0.0030	8.6	
		Reforestation		10681	0 0000	0 0000	0.000		0.0010	00	
		Pasture Crop		10681	0 0330	2 9670 2 4345	0.294	1.000	0 0100	105	
		Others			0 0000	0 0000	0 072		734		
12	Quatro Banas	Forest	937	5334	0.1594	0.0000 1 6715	0 258		3 0001	27	0 605
		2nd vegetation		5334	0.1510	1 9040	0 074		0 0030	46	
		Reforestation		5334	0.1510	1 9040	0.001		0.0010	15	
		Pasture Cron		5334 6334	0 0558	1.9666	0 346	1.000	0 0100	60	
	<u> </u>	Crop Others			0.0000	1 9950 0 0000	0.059		V VV		
TEX	Quedas do Quacu		1,137.2	11723	0.0000	0 0000	0 231		0.0001	13	8 627
-		Forest 2nd vegetation		11723	0 0090	2 1047	0 231		0 00001	0.7	
		Referestation		11723	0 0090	2 2690	0 091		0 0010	0.2	
		Pasture Crop		11723 11723	0.0182	2 5361 2 3583	0.115	1.000	0.0100	5.4	
	ite wijne in in in it i	Others			0.0000	0.0000	0 045	1.000	V 1002	1.0	<u> </u>
178	Quitandinha	-	4167	5697	0.0000	0.0000				23	0018
		Forest 2nd vegetation		5697 5697	0 1160 0 1160	1,6560	0 047		0 0030	0 i 3 3	<del></del>
	The state of the state of	Referestation		5697	0.1150	1.6560	0 007		0.0010	1,1	
		Pasture		5697	0.1160	16560	0.084		0.0100	10.9	
l		Crop Others	<del></del>	5697	0.0189	2 2162 0 0000	0.515	1.000	V. 1/01	0.5	<del></del>
[185	Realeza		341.5	11211	0.0000	0.000	3			113	0.073
$\vdash$		Forest 2nd vegetation		11211	0.1510	1.9040	0 038	<del></del>	0.0030	9.7	<u> </u>
		Referestation		11211	0.0000	0 0000	0,000		0.0010	0.0	<u> </u>
ļ		Pasture		19211	0.1206	2.1780 2.6038	0.322	1644	0.0100	29.4	
-		Croo Others		11211	0.0330	0 0000	0.022	1.000	0.1525	2.2	
127	Reboucas	<u> </u>	498 9	6793	0 0000	0 0000				26	0019
1 —		Forest 2nd vegetation		6793 6793	0.0740	1.7200	0 038	<u> </u>	0 00001	4.0	ļ
		Reforestation		6793	0.0000	0 0000	0 000		0.0010	00	
		Pasture Crop		6793 6793	0 0000	0.0000 2.1983	0 000 0.583	1 000	0.0100	00	
		Others		·	0 0363	00000	0000		V.V317		
F54	Kenascenca	(Faras)	457.2	1069	0 0000	0.0000	21		0.6384	03	0 026
		Forest 2nd vegetation		11069	0.1058	1.9040	0 013	<u> </u>	0.0001	7.1	
		Referestation		11069	0.1510	1.9040	0 0€2		0.0010	32	
[·		Pasture Crop		11069	0.0160	2 2330 2 2617	0.147	1 000	0.0100	07	
		Others			0 0000	9.0000	0.062		2.1935	1	
127	Ro Azul	Forest	642.6	5793 6793	0.0000	1,7450	0 119		0.0001	7.7	0.621
		2nd vegetation	l	6793	0.0868	2 0 103	0 388	i	0.0030	36	
_		Referestation		6793	0 0000	0 0000	0 000		0.0010	ÇO	
-		Pasture Crop		6793 6793	0.1050	2 0810	0.001	1.000	0.0100	9.7	
177	1	Others			0 0000	0.0000	0 000			1	
1-61	Rio Bonito do Iguaçu	Forest	1350	9363 9063	0 6860	2 0878	20 6 703		0.0001	0.8	0 007
		2nd vegetation		9063	0.0124	2 2791	0.049		0 0030	0.8	
·		Reforestation Pasture		9063 9063	0 0000	0 0000 2 3400	0 000 0 065		0.0100	7.0	
		Crop	l	9063	0.0330	2 3400	0.128	1.000	0.1208	1.4	
118	Ro Negro	Others	5603	6481	0 0000	0 0000	0 053			79	0 031
	ואיס וויכאיט	[Forest	360.3	6481	9 0000	8 6000	0.000		0.0001	00	V 031
		2nd vegetation		6481	0.1316	1.6671	0 294		0 0030	13	
		Reforestation Pasture	ļ	6451 6451	0.1571	1.6778	0 348 0 054	·	0 0010	1.7	
		Crop		6481	0.0503	1 8742	0 233	1.000	0.0728	0.9	<u> </u>
177	Salgado Filho	Others	502.2	11069	0 0000	0.0000	0 071			89	0 084
1		Forest	<u> </u>	11069	0.0000	0 0000	0000	<del> </del>	0 0001	00	V VO4
1		2nd vegetation		11069	0.1510 0.0000	1.9040	0 539	<b></b>	0 0001	9.5	
1-	I Paga Paga	Reforestation Pasture	<del> </del>	11069	0.0000	2 2230	0 000		0.0010	120	ļ. <b></b>
	]	Crop		11069	0 0330	2 3400	0.164	1 000	0.1064	1.5	
135	Sallo do Lontra	Others	334.3	11069	0.0000	0 0000	0 008 19			69	0.043
	<u> </u>	Forest		11069	0.1510	1.9040	0 0 1 4		0.0001	03	
		2nd vegetation Reforestation		11069	0.1510	0 0000	0.000		0.0030	9.5	
L		Pasture :	1	11069	0 0518	2.1332	0 293	ļ	0.0010	14.6	<del> </del>
		Ĉιορ		11069	0 0256	2 3 187	0.486	1.000	0.1235	13	
181	Santa izabel do Deste	Others	3268	11211	0 0000	0.0000	0 007	<del> </del>	<del> </del>	115	0070
		Forest	1	11211	0.1510	1.9040	0.018	<u> </u>	0.0001	0.3	
-,~-		2nd vegetation Reforestation		51218 51211	0.1510	1.9040	0.171	I	0 0030	97	
<u> </u>		Pasture		11211	0.1038	2 3292	0 320	<b>[</b>	0 0010	32 27.1	<del> </del>
		Crop Others		11211	0.0330	2 5685	0.472	1 000	0 1528	22	
133	Santa Lucia	Tone a	-337.1	. 11211	0.0000	0.0000	0 011	<del> </del> -	<b></b> -	13.1	0.034
		Forest		11211	0.1510	1 9040	0 010	<b>1</b>	0.0001	03	
	1	2nd vegetation Reforestation		11211	0.0000	0 0000	0 000		0.0001 0.0030 0.0010	0.0	
t		Pastura		- 11211	0.1510	1 9040	0 346	<b>!</b>	0.0010	322	<del> </del>
		Crop		11211	0.0417	3.1524	0 544	1.000	0.1451	3.0	
1	J Company	Others	<b>!</b>	I	0.0000	0.0000	0 000	1	1	L	<u> </u>

Table-A4.14 Future Soil Loss from Iguaçu River Basin with Master Plan (7/8)

·			Tatal		T	Ave see	200	Tarraced	,	11:67-	,·····
I	,		Total Area		Average	Avg non- ten. L	Fraction of	Terraced	Average	USLE soil loss	Regional
No	Municipality		(km2)	R Factor	K\$ factors	factor	Landuse	(fraction)	С	(Vha yr)	contribution
153	Santa Tereza do Cesta	Forest	235.5	11732	0 0300	1 9040	0 064		XXXX	03	0.651
		2nd vegetation		11732	0.1510	1 9040	0 647		0 0030	10.1	<del>                                     </del>
		Reforestation Pasture		11732	0.1510	1 9040	0 015		0 0010	3 4 10 B	
		Crop		11732	0 0259	2.7605	0 568	1 000	0.1475	1.7	<del></del>
CTR	Santa Vereziriha de Itaipu	Others	157.0	10667	0 0000	0.0000	0 600			23	0 607
	Object a sussessment of Market	Forest		15667	0 0090	2 2690 2 2690	0 022		0 0001	- 53	V W/
		2nd vegetation Reforestation		10667	0 0000	2 2690	0 144		0 0030	0.7	
		Pasture		10667	0 0 158	2 2891	0 283		0 0010	39	
		Others		10667	0 0000	2 7908	0.520	1 000	0.1877	2.1	
175	Santo Antonio do Sudoeste	CONCIN	2899	10681	0.0000	0 00000	51	···	<del></del>	92	0.050
		Forest		10681	0 0000	0 0000	0 000		0 0001	00	
-		2nd vegetation Reforestation		10681	0 0000	1 9040	0.135		0 0030	92	<u> </u>
		Pasture		10681	0.1065	2 0125	0 282		0 0 100	22.9	
_		Crop Others		10631	0 0294	0 0000	0.076	1 000	0 1278	15	ļ
1-58	Sao Joao		395 <b>6</b>	11503	0.000	0.0000	0.004		4444	9.6	8071
		Forest 2nd vegetation		11603	0.1510	1.9040	0.102	······································	0 00001	100	
		Reforestation Pasture		11603	0 0000	0 0000	0.600		0 0010	0.0	
		Crop	ļ	11603	0 0263	2 0230 2 6786	0.304	1 000	0.1523	18	<del></del>
121	Sao Joao do Triunio	Others	707.6	6793	0 0000	0.0000	0.030			7.4	0.018
	Cas adde on House	Forest	771.0	6793	0.0711	1.7113	0 223		10000	-61-	0.018
		2nd vegetation Referestation		6793 6793	0 0648	1 9552 1 6690	0.481		0 0030	26 05	
		Pasture		6793	0 0000	0.0000	0 000		0.0100	0.0	
-		Crop Others		6793	0.0000	2 2330	0.505	1 000	0.0753	03	
F-65	Sao Jorge do Oeste		355 9	15723	0.0000	0.0000	19			58	0 045
		Forest 2nd vegetation		11723	0.1510	1.9040	0 004		0.0001	0.3	
		Reforestation		11723	0.0000	0.0000	0 000		0 0010	00	
		Pasture Crop		11723	0.0265	2 8893 3 2045	0.459	1.000	0.0100	14.1	
	Sao Jose dos Pinhais	Others	620 8	5334	0 0000	0 0000	0 0.16			1	
	240 JOSE 002 LESSES	Forest	0200	5334	0.1651	1.6585	7 133 T		0 0001	25 0.1	0.029
		2nd vegetation Referestation		5334 5334	0.1415 0.1490	1.6493 1.6430	0.115		0.0030	3.7	
		Pasture		5334	0 0829	1.6622	0 238		0.0100	7.4	
		Crop Others		5334	0.0172	2.0227	0.436	1.000	0.0833	03	
T26	São Maleus do Sul		12/27	6793	0.0000	0.0000	~~~~			- 60	0 021
	보다면 하는 기계 나를	Forest 2nd vegetation		6793 6793	0 0740	1,7200	0.154		0 0001	0.1 1.5	
		Referestation Pasture		6793 6793	0 0740 6 0000	0.0000	0.000		0 0010	0.9	
		Crop		6793	0 0 160	2 2330	0.329	1.000	0.1013	0.4	
L93	São Miguel do Iguacu	Others	₹₹₹ <u>₹</u>	10667	0 0000	0 0000	0 045			45	0 037
		Forest		10667	0.1510	1.9040	0.160		0 0001	. 63	
		2nd vegetation Reforestation		10667	0.1162	2 2178	0.166		0 0030	82	
		Pasture		10667	0 0330	2.7329	0 241		0 0 100	96	
<u></u>		Crop Others		10667	0 0220	3.1976 0.0000	0.410	1.000	0.1704	1.5	
150	Saudade do Iguacu	Forest	1(3.1	9063 9063	0.0000	1.9040	20 0 029		0.0001	7.4	0.020
		2nd vegetation		9063	0.1510	1 9040	0.137		0 0030	7.8	
1		Reforestation Pasture		9063	0.0000	2 0003	0 000		0 0010	0 0 20 6	
		Crop		9063	0.0226	2 3093	0.528	1 000	0.1091	0.8	
T59	Sulina	Others	158.5	11773	0 0000	0.0000	0 033			30.4	0.031
		Forest		11723	0.0000	0 0000	0 000		0 0001	00	
7		2nd vegetation Referestation		11723	0.1510	0 0000	0.150		0 0030	10.1	
		Pasture		11723 11723	0.0920	2.4355 2.6250	0 300	1.000	0.0100	26 3	
		Crop Others			0 0000	0 00000	0.550 0.000	1.000	0.1196	18	
F13	Triucas do Sul	Forest	409.6	5334 5334	0.0000	1 6670	0 562	-	0 0001	02	0.017
		2nd vegetation		5334	0 1173	1 6557	0 255		0.0030	3.1	
1.00		Reforestation Pasture	[	5334 5334	0.1648	1.6583 1.7688	0 197		0 0010	1.5	
		Črop		5334	0.0156	2.1829 0.0000	0.190	1.000	0 0719	02	
137	Tres Barras do Parana	Others	500 E	11723	0 0000	00000	0 031			36-	0 034
		Forest		11723	0.1510	1.9040	0 046		0 0001	03	
1-		2nd vegetation Reforestation		11723 11723	0.1510	1 9040 1 9040	0 237		0 0030 0 0010	3.4	i
		Pasture		11723 11723	0.0124	2 2603	0 209		0.0100	33	
	[24] 新疆市门(1) (A.) 建立市	Crop Others			0 0000	2 3208	0.456 0.040	1.000	0 0664	-08	L
1-33	União da Vitoria	Forest	691.9	8250 8250	0 0452	0.0000 1.6738	16 0 3 15		0 0001	2.5	0 033
		2nd vegetation		8250	0.1219	1 8743	0 38⊀		0.0030	5.7	
		Reforestation Pasture	<u> </u>	8250 8250	0.0000	2 2330	0 000		0.0010	59	
5.0		Crop		8250	0 0 160	2 2330	0.195 0.105	1 000	0 0660	03	
1		Others	l l		0 0000	0.0000	U.105	l		L	

Table-A4.14 Future Soil Loss from Iguaçu River Basin with Master Plan (8/8)

			Total			Avg. non-	Area	Terraced		USLE	
		1	A ca		Average	terr. L	to noitser3	cropland	Average	soi loss	Regional
No.	Municipality	1 :	(km2)	R Factor	KS factors	factor	landuse	(fraction)	C	(thayr)	contribution
137	Ve(e		340 S	11069	0.0000	0 0000	77			9.6	1300
-		Forest		11069	0.0000	0 0000	0 000		0 0001	0.0	
		2nd vegetation		11069	0.1510	1 9040	0.148		0 0030	95	
		Reforestation		11069	0 0000	0.0000	0.000		0.0010	0.0	
		Pasture		11069	0.0884	2.4678	0 296		0 0 100	242	
		Crop		11069	0 0302	2 7210	0.543	1.000	0 1329	1.7	
		Others			0.0000	0 0000	0.013				
147	Vimound		198.4	9063	0.0000	0.0000	20			8.1	0.030
		Forest		9063	0.0470	1,6690	0 001		0 0001	0.1	
		2nd vegetation		9063	0 0786	1.7405	0.286		0.0030	37	
		Referestation		9063	0 0000	0 0000	0 000		0.0010	0.0	
•		Pasture		9063	0 1510	1.9040	0.254		0 0100	26.1	
		Сгор		9063	0 0273	2 2221	0 459	1 000	0.1078	1.0	
		Others			0.0000	0 0000	0 000				
153	Vilorino		270 2	11172	0 0000	0 0000	21			13	0 009
		Foreșt		11472	0 0470	1.6690	0 002		0 0001	0.1	
		2nd vegetation		11472	0.0188	2.1828	0 292		0.0030	1.4	L
		Reforestation		11472	0.0000	0 0000	0.000		0.0010	0.0	
—	[1] 《大学》:"我们是我们。"	Pasture		11472	0 0160	2 2330	0 091		0.0100	4.1	
		Crop		11472	0 0205	2 5806	0.443	1.000	0.1708	1.5	
	in the state of the feries	Others			0.0000	0 0000	0.172			<u> </u>	
	Total		53,405.1							Averagen	4.0

Assumptions:			
(1) L factor for terraced cropland =	1.27 (assuming avg.	. terrace distance ≈ 36m, sk	ope = 8%)
(2) P factor for non-cropland =	1.00		
(3) P factor for storage terraces =	0.05 (RUSLE, to com	pute sediment delivery)	and the second
(4) P factor for contour on terraced cropland =	0.60 (RUSLE, assu	ming planting row ridge:	s about 5 cm high)
(5) P factor for non-terraced cropland =	080 (RUSLE, assum	ing planting accross water	flow, not on contour)

Note: Total larea" of each municipality = Total Area of Municipality within Iguacu River Basin - Area of Others in the Landuse Classification Abbreviation Avg. non-terr. Lifactor, Lifactor for non terraced land Source. ESPAR database (Roloff, 1995) for KS and C Factors

Table-A4.15 Future Soil Loss from Tibagi River Basin with Master Plan (1/4)

100 % application of terracing to crop land and 50 % application of non tillage to beans, maize and soybean field

	100 % application of terracin	ig to crop land a	ind 50 % 2	pplication	of non tillag	e to beans,	malze and	soybean fi	eki		
No	Municipality		Total Area*	R Factor	Average KS factors	Avg. non- ten, i factor	Area of Landuse (km²)	Terraced cropland (fraction)	Average C	USLE soit loss (t/ha.yr)	Regional contribution
1.22	Apucarana		182 2	7918	0.0000	0.0000	182 2			22	0 0153
	Hart, Arviviy di Parisaria (1911)	Forest		7918	0.1510	1 9040	318		0 0001	02 4.1	<del> </del>
		2nd vegetation		7918	0.0648	2 6802	75.6		0.0030		
		Reforestation	<b>—</b>	7918	0.0000	0.0000	0.1		0.0010	0.0	
	los especiales controles de la distribit	Pastura		7918	0.0330	2 9670	0.1	-1.000	0.0100	7.8	
		Стор		7918	0.0251	3 2187	74.7	1.000	0.1226	1.0	
		Others			0 0000	0.0000	0		-	1.5	
7-23	Arapongas	ALLENDARD STORY	1899	7918	0.0000	0.0000	1919		<del></del>		0 0113
1.5	l poesta varo degrezaren	Forest	ļ	7918	0.0591	2 7323	21		0.0001	0.1	
	lai en eur Arte, en tron in Ni	2nd vegetation		7918	0 0330	2 9670	67.3		0 0030	0.0	
		Referestation		7918 7918	0.0000	0 0000 2 9670	4.6		0 0100	7.8	- <del></del>
	l šāvetskas latilikostis šielius.	Pasture Crop		7918	0.0187	3,4865	94	1.000	0.1585	0.9	
	l graniamile, e rue, ergrische sein i.e.,	Others		1310	0 0000	0.0000	- 3	1.000	<b>V</b> .1300		
131	Assal	COME	437.1	9045	0 0000	0.0000	450.5			22	0 0390
1.21	NAME AND ADDRESS OF THE PARTY O	Fares	437,1	9045	0.1510	1.9040	03		0.0001	63	
7 77		Forest 2nd vegetation		9045	0.1510	1.9040	33.9		0 0030	7.8	
1	HAVELEN ERKLINGLEDEN SYN	Referestation		9045	0.0000	0.0000	0		0.0010	00	
1		Pasture	<del></del> -	9045	0 0310	3 3544	39.8		0.0100	9.4	
1000		Crop		9045	0.0180	3.5120	363.1	1.000	0.1435	09	
ATV.		Others			0.0000	0.0000	13.1				
T 21	California		97.2	9611	0 0000	0 0000	97.2			1.5	0.0058
		Forest	<b> </b>	9611	0.1484	1.9274	22 7		0 0001	0.3	
		2nd vegetation	1	9611	0 0270	3.1545	43.7		0.0030	2.5	
- 22.00		Reforestation		9611	0.0000	0 0000	0		0.0010	0.0	
20.00		Pasture	I	9611	0.0180	3.5120	1.3		0.0100	6.1	L
	i produkt viet de terribit frêût.	Стор		9611	0.0180	3.5120	24 5	1.000	0.0547	0.4	
	ra tromania and signed her defende etc.	Others			0.0000	0.0000	0		L_=		
T-38	Cambe		143.5	8128	0.0000	0.0000	143.5			1,1	0.0064
	,, was the call make the	Forest	l .	8128	0.0000	0.0000	٥		0.0001	0.0	
		2nd vegetation		8128	0.0221	3.3633	50 2		0.0030	18	
	rvytajenkti. Tylėtaisky	Reforestation		8128	0.0000	0.0000	0		0.0010	0.0	<del> </del>
100	l voluc malekirkiren atriv	Pasture	<u> </u>	8128	0.0000	0.0000	- 0	4 242	0.0100	00	<del></del>
البنتيد	l a cues orad quiveadesavé á	Crop	ļ	8128	0.0180	3.5120	93.3	1.000	0.1300	0.7	· <del></del>
		Others			0.0000	0.0000				20	0.1825
T-3	Casto	*****	2,275,1	5771 5771	0.0000	0.0000	2278.4 54.6		0.0001	0.2	V. 1023
****		2nd vegetation	<u> </u>	5771	0.1780	1.6743	734.7		0.0030	39	
		Reforestation		5771	0.1780	1.6670	20.7		0.0010	1.7	
100	Luise Sanura é réartée y Randon	Pasture		5771	0.0178	1.8544	725.7		0.0100	19	
	tigne anniasta grobale ne filiab	Crop	-	6771	0.0270	2 0592	739.4	1.000	0.0429	0.3	
		Others			0.0000	0.0000	3.3				
T-28	Congonhinhas		104.6	7650	0.0000	0.0000	104.6			23	0.0097
		Forest		7650	0 0000	0.0000	0		0.0001	0.0	
		2nd vegetation		7650	0.1490	1.6480	6.7		0.0030	5.6	
		Reforestation		7650	0.0000	0.0000	.0		0.0010	0.0	
7.77		Pasture		7650	0.0465	2.0836	17.9	* * * * * *	0 0100	7.4	
		Сгор		7650	0.0029	3.1604 0.0000	08	1,000	0.1272	U.G	
	Cornetia Procopio	Officers	330.9	7650	0.0000	0.0000	336.7			7.4	0.0999
	Course Nacobo	Trans.	330.9	7650	0 1510	1.9040	26		0.0001	02	0.0333
. 30		Forest 2nd vegetation	<u></u>	7650	0.1510	19040	492		0.0030	6.6	
		Reforestation	i	7650	0 0000	0.0000	0		0.0010	00	· · · · · · · · · · · · · · · · · · ·
		Pasture		7650	0.0669	2.6788	1129		0.0100	17.8	
1,10		Crop		7650	0.0180	3.5120	166 2	1.000	0.1443	0.8	
1.77.74		Others			0.0000	0.0000	5.8		L	Jj	
T-16	Curiuva		351.0	7129	0.0000	0.0000	361.8			12	0 0169
		Forest		7129	0.0964	1.8718	3 6		0.0001	0.1	
1		2nd vegetation		7129	0.0160	2 2130	89.4		0.0030	0.8	ļi
		Reforestation	<u> </u>	7129	0.0160	2 2130	74.9		0.0010	0.3	ļ
		(Pasture	l	7129 7129	0.0216	2.3141	59 9 127.2	1.000	0.0100	3.6	<del></del>
	Principal Principal	Crop Others		1129	0.0000	0.0000	08		1 4000	<del>**</del>	
T 25	Ibipora	1-24-01-3	283.4	9045	0.0000	0.0000	295.4		<b> </b>	28	0 0324
<b></b>		Forest	200.4	9045	0.0000	0 0000	233.7		0.0001	0.0	
7.7	l en el mello en el mello entro el filo	2nd vegetation	1	9045	0.0833	2 7224	94.7		0.0030	62	
		Reforestation	T .	9045	0.0000	0.0000	0		0.0010	0.0	L
		Pasture		9045	0.0180	3.5120	3.1		0.0100	5.7	L
		Сгор		9045	0.0180	3 5120	165.6	1 000	0.1729	1.1	l
	<u>la e e e e e e e e e e e e e e e e e e e</u>	Others			0.0000	0.0000	12				
1-5	Imbliova		811.3	6793	0 0000	0.0000	8113			0.9	0 0292
		Forest		6793	0.1501	1.7185	109.4	<b></b>	0.0001	0.2	ļ
		2nd vegetation		6793	0 0331	2.1810	3912		0.0030	1.5	
		Referentation		6793	0.0330	2 00 43	67.5 5.8		0.0010	0.5 2.4	
1	ka maga sa talah sa sabilat	Pasture Crop	<del> </del>	6793 6793	0.0160	2 2130	237.4	1,000	0.0775	03	
		Others	<b>-</b>	- <u> </u>	0.0100	0.0000	0	****	1	<del>                                     </del>	<del></del>
F-7-3	īpiranga	10000	932 C	6556	0 0000	0.0000	932			1.0	0.0360
<b> </b>		Forest	~~~	65.56	0 1039	1.7077	71		0.0001	0.1	
ļ	( pre unur Dhuhiniya dhikin	2nd vegetation	i	6556	0.0258	1.8084	388 5		0 0030	1.1	
7.75	Minare dans diero Caberra filts Waltig	Referestation	[	6556	0.1397	1.6729	728		0.0010	1,5	
200	] v gr- skippitaliska, kikik i tibbat t	Pasture		6556	0.0170	2.0240	89		0 0100	23	
مراجعته ديد		Crop		6556	0.0317	2.1882	310.7	1.000	0.0634	0.5	
	<u>[1 g sasansan 27 silibil</u>	Others			0.000	0.0000					
T-4	irati		133.7		0 0000	0.0000	139.6			2.1	0.0115
1.5.4.2		Forest	ļ ———	6793	0.1510	1.6810	2	ļ	0.0001	02	<del> </del>
1 (11)	Lange to philipped with	2nd vegetation Referestation	<del> </del>	6793 6793	0.1247	1.6810	<u> 53 5</u> 2	I	0.0033	1.7	<del> </del>
	i Augiljujyo, kišaus Arīdoluk	Pasture		6793	0.0000	0 0000	- <del></del>	l	0.0100	00	
-	fand dalimbilde kallator	Crop	I	6793	0.0160	2 2130	76 2	1,000	0.0795	0.3	
1	eradaan keeli eraan an Seeli	Others	I	l	0.0000	0.0000	5.9		T		
	F			t			·	<del> </del>	<del></del>		·

Table-A4.15 Future Soil Loss from Tibagi River Basin with Master Plan (2/4)

	promote an accommission of the Parish of Market City		Total			Avg rion-	Area of	Terraced	T-1-1-1-	USLE sol	
			Area*		Average	terr. L	Languse	cropland	Average	foss	Regional
No	Municipality		(km²)	R Factor	KS factors	factor	(km)	(fraction)	С	(bha yr)	contribution
1-9	M3I		2122	6793	0 0000	0 0000	212.2			5.0	0.0172
		Forest 2nd vegetation		6793 6793	0.1510	1.6810	9.3 113.5		0.0001	02	
77.		Reforestation		6793	0.0000	0 0000	1135		0.0030	32	
		Pasture		6793	0 0 160	2 2130	129		0.0100	2.4	
		Crop		6793	0.0191	2 3520	76.5	1.000	0 0670	0.3	
	ng dagan kang mengang bendulan di Albanda da Salah Banda da Salah Banda da Salah Banda da Salah Banda da Salah	Others			0 0000	0.0000	0				
T-35	Jataizinho	Caran	185 5	9045 9045	0.0000	0 00000 1 9040	199.1 0.8		0 0001	03	0 0847
		Porest 2nd vegetation		9045	0.1510	1 9040	6.4		0 0030	7.8	
		Reforestation		9045	0.0000	0 0000	0		0 0010	00	
		Pasture		9045	0.1510	1 9040	71.7		0.0100	26 0	
		Crop Others		9045	0 0379	3 2714	107.6	1 000	0 1236	1.6	
+ 11	Leopolis	Ciners	68 9	9045	0.0000	0 0000	689	<u> </u>		7.3	0 0205
	tectors	Forest		9045	0 1510	1.9040	05	<b></b> -	0 0001	63	<u>0 0203</u>
		2nd vegetation		9045	0.1510	1 9040	5		0 0030	7.8	[
		Reforestation		9045	0 0000	0 0000	0		0 0010	. 00	
		Pasture Crop		9045 9045	0.1510	1 9040 2 3154	7.9 55.5	1 000	0.0100	260	
ŀ- <del></del>		Others		3043	0 0000	0 0000	- 33.5	1000	0.1103	47	
1-24	Londrina		2,044.8	8128	0.0000	0 0000	2095 6			28	0 2338
		Forest		\$128	0.1505	1.8667	120	<del></del>	0.0001	02	
		2nd vegetation Reforestation		8128	0.0747	2 2269	8418		0.0030	4.1	
<b>!</b>		Reforestation Pasture	I ——	8128	0 0000	0.0000 3,4029	3103		0.0010	00	
		Crop		8128 8128	0.0180	3.4029	7727	1.000	0.0100	58	·
		Others			0.0000	0 0000	50 8		l	T	
T-20	Marilandia do Sul		152 2	\$611	0.0000	0 0000	152.2			23	0 0144
		Forest		9611	0.1510	1 9040	16		0.0001	03	
-		2nd vegetation Reforestation		9611	0.0597	2 3478	60.8	<b> </b>	0.0030	40	<u> </u>
_		Pasture		9511	0 0330	2 9570	9.2	t	0 0 100	9.4	
	itan William Aleksin	Crop		9611	0.0265	3 2015	66 2	1.000	0.0289	03	
		Others			0 0000	0 0000	0				
1 19	Mava da Serra	Earne	48.0	9370 9370	0.0000	0.0000	45 5.1	<b></b>	0.000	66	0.0128
		Forest 2nd vegetation		9370	0.1310	1.8603	21.5		0.0001	69	łi
		Reforestation		9370	0 0000	0 0000	0	i	0 0010	00	
		Pasture		9370	0 0822	2 06 15	10.4		0.0100	15 9	
	la radius Mila	Crop Others		9370	0.0165	2 2336	- 11	1.000	0 0208	0.1	· · · · · · · · · · · · · · · · · · ·
4.32	Nova America da Colina	loners .	133 3	8128	0 0000	0.0000	133 3	<b></b>		65	0.0351
	MOVE ACTION OF COURS	Forest	1333	8128	0 0000	0.0000	7333	<del> </del>	0 0001	00	0.0531
		2nd vegetation		8128	0.1510	1 9040	10.7		0 0030	7.0	i
		Reforestation		8128	0 0000	0 0000	0		0.0010	0.0	
-جست		Pasture Crop	}i	8128 8128	0.1111	2 3859 3 5120	33.7 88.9	1.000	0.0100	0.7	
		Others		0120	0.0000	0.0000	0	I	0.1210		
Ť-29	Nova Fatima	•	83 5	7650	6 0000	0 0000	83.5			89	0.0300
		Forest		7650	0 0000	0.0000	0		0.0001 0.0030	0.0	
		2nd vegetation Reforestation		7650	0.1510	1.9040			0.0030	6.6	
		Pastura	<b></b>	7650 7650	0.1510	1 9040	26.1	<u> </u>	0.0100	22 0	I
		Crop	l	7650	0.0544	2 9058	50 3	1.000	0.1487	24	
		Others			0 0000	0 0000	0				
T-25	Nova Santa Barbara		1122		0 0000	0 0000	1122			1.6	0 0075
ļ		2nd vegetation		8128	0 0000	0 0000 2 7672	57	l	0.0001	25	· · · · · ·
12.7		Reforestation	<u> </u>	8128	0 0000	0 0000	9,	1	0 0010	- 66	t
		Pasture		8128	0.0330	2 9670	5.8		0.0100	80	
		Crop	<u> </u>	8128	0.0235	3 3134	100 7	1 000	0.1697	12	
7.18	Ortigueira	Others	1,580.3	7129	0 0000	0.0000	1588 5	ļ	<del> </del>	50	A 3474
1.,5	V. WORRE	Forest	1,000,3	7129	0.1780	1.6670	63	<del></del>	0.0001	02	0.3175
	加速性動物性性	2nd vegetation	I	7129	0.1490	1.6480	508	1	0 0030	53	<b> </b>
1		Reforestation		7129	0.1552	1.6521	138.7		0.0010	1.8	[
ļ		Pasture Crop	<del></del>	7129	0.1259	1.8175 2.4606	271.6 655.7	1.000	0 0100	16.3	<b> </b>
-		Others	l	- 7129	0.0000	0.0000	82	1-1000	00/62	<del>  ''</del>	
1.5	Palmeira	<del></del>	1,224.8		0.0000	0 0000	1227.4	t	<del></del>	18	0.0886
		Forest		6556	0.1780	1.5670	11.6		0.0001	0.2	
	<b>}</b>	2nd vegetation	l	6566	0 0926	1.6394	401.4		0 0030	3.1	
1-		Reforestation Pasture	<b> </b>	6556 6556	0 0960	1 5666 1 7269	50.4 208.7		0 0010	10	
<u> </u>		Crop	İ	6556	0.0199	2 0026	5527	1.000	0.1169	06	<del> </del>
		Others		1	0 0000	0 0000	26			T	I
T-12	Prai do Sul		962 3		0.0000	0 0000	965 2			25	0 0990
1		Forest 2nd yearstation	l	7129	0.1780	1 6670	132		0.0001	02	
1		2nd vegetation Reforestation		7129 7129	0.1193	1 6920	285.1 10.5	ļ	0 0030	21	ł
	]	Pastore	1	7129	0 0172	1.9782	428	1	0.0100	2.4	t
		Crop		7129	0 0445	2 3628	219.5	1.000	0 0555	07	
<b> </b>		Others	<b> </b>	<u> </u>	0 0000	0 0000	29	1	ļ		
1-7	Ponta Grossa	(Farec)	1,817.1		0.0000	0.0000	1870.8			13	0 0863
		Forest 2nd vecetation	l	6556 6556	0.1780	1.6670	5 3 329 8	I	0.0001	13	
		Referestation	1	6556	0.1050	1.5776	75	1	0.0010	1.1	<del></del>
		Pasture	I	6556	0.0179	1.7665	580 6	I	0 0100	21	
		Crop	<u> </u>	6556	0.0175	2 0594	826.4	1.000	0.0929	0.4	
1	Jan arak ito da kiito	Others	1	I	0.0000	0 0000	53.7	L	J	1	1

Table-A4.15 Puture Soil Loss from Tibagi River Basin with Master Plan (3/4)

No.   No.		LIST		T	Area of				Total			
No.   Sept   Control   C	Regional	USLE soil	Average	Terraced cropland		Avg non- terr. L	Average			-		
General   Gene	contribution					factor	KS factors					
Section   Color   Co	0 0144								53 8		Porto Amazonas	1.1
Februaria   Color												
Californ   Color   C										Reforestation		
Comparison   Com										Pasture		
TAB   Prince of Nov		0.9	0 0852	1000				6481				
Forest	0 0082							0705	110.5	TOuners .	Drimara da Maia	<del>7 73</del>
Produce   Prod	00008		0.0001						113.0	(Forest	Francio de Maro	1-43
Painte   1755   0,000   0,00		4.7	0.0030			3 0035	0.0601	8726				-
Cop	· · · · · · · · · · · · · · · · · · ·											
Corest				1,000					i			
Forest   1975   00000   0,0000   0   0,0001   0   0   0   0   0   0   0   0   0												77
201 Argentation	0 0082	1.3			187.4				151.C	1	Rancho Alegre	T-40
Pietre   Price   Pri												
Pasture   87%   0,0000   0,000   0,000   0,000   1,1												<u></u>
Cing												<del></del>
Title   Protect		1.3	0.1507	1.000				8726				
Greet   7/129   0.1049   1/2/1   33   0.0001   0.1										Others		
Section   1723   1916   1964   1964   1965   1965   1966   1866	0 0558		0.0001	<b></b>					\$55.9	(Cores	Reserva	1-10
Referestation   7129   1048   1731   66.5   0 0010   14   7231   62.5   0 0010   14   7231   62.5   0 0010   14   7231   62.5   0 0010   14   7231   62.5   0 0010   14   7231   62.5   0 0010   14   7231   62.5   0 0000   0 0000   15   72   7231												
Ciop		1.4	0.0010		66 5	1.7931	0.1068	7129		Reforestation		
Others				- 4.600								
1.37   Refunda		U.4	0.0078	1.000				1129				
Forest   Santo Antonio do Parallo   Forest   Santo Antonio   Forest   Santo Antonio do Parallo   Forest   Santo Antonio do Parallo   Forest   Santo Antonio do Parallo   Forest   Santo Antonio do Parallo   Forest   Santo Antonio do Parallo   Forest   Santo Antonio do Parallo   Forest   Santo Antonio do Parallo   For	0.0026							8128	56.6	100.00	Rolandia	T-37
Refuer Station   8128   0,0000   0   0   0   0   0   0   0		0.0			0	0.0000	0 0000	8128				
Paulur   Size   00000   00000   0 0 0000   0 0 0 0 0										2nd vegetation		
Crip   Crip   Content				l								بنن
Contest				1 000		3 5 1 2 0	0.0180					<u></u>
Fotest   8128   0.00000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.00000   0.0000   0.000000   0.000000   0.000000   0.000000   0.0000000   0.00000000										Others		
Referentation   8128   0.0000   0.0000   0   0.0000   0   0.0000   0	0.0055		*****						68.5		Santa Cecilia do Pavao	T-26
Referentation   Fasture   6178   0,0000   0,0000   0   0,0010   0   0   0   0   0   0   0   0   0			0.0003									<del></del>
Crop   Size   0.0550   3.0447   66.5   1000   0.1142   2.0		0.0				0.0000	0.0000					7
Chest												
1.72   Santo Antonio do Paraldo   515   5128   0.0000   0.0000   0.515   9   0.0001   0.000   0.00000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.00000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.00000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.00000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.00000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.00000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.00000   0.00000   0.00000   0.00000   0.00000   0.00000   0.00000   0.00000   0.00000   0.000000   0.00000000		2.0	0.1142	1 000				8128	<del></del>			
Forest   57/8   0.1430   16430   7.2   0.0001   0.2	0 0163	2.7						8128	151 9	100,000	Santo Antonio do Paraiso	T-27
Reforestation		0.2			2	1.6430	0.1490	8128				
Pasture   61/28   0.0349   2 6702   33.9   0.000   7.6   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000									-			
Crop   6128   0.00241   3.2009   10.8 7   10.00   0.1262   0.9	<del></del>											2.5
1-16   Sep Jeronimo de Serra				1.000								
Forest					L					Others		
2nd vegetation	0.1499		A 6000		·				846 9		Sao Jeronimo da Serra	T-18
Reforestation   8128   0.9000   0.000   0   0.0010   0   0   0.0010   0   0   0.0010   0   0.0												خبد
Crop   S178		0.0	0 0010		0	0 0000	0 0000	8128		Reforestation		
T-30   Sap Sebastian da Amoreza   217.4   8128   0.0000   0.0000   4.4				4 600					<u> </u>			ببنيد
T-30   Sep Sebastiag da Amoreira   217.4   8128   00000   00000   217.4   1.5		3.4	0.1900	1.000				0120				75.
Pasture   Past	0 0135	1.5	~ <del>~~~</del>					8128	217.4		Sao Sebastiao da Amoreira	T-30
Reforestation												
Pasture   8128   00180   35120   33 3   00100   5.1									l	2nd vegetation		<u> 4.1</u> .
Crop   8128   0.0180   3.5120   160 5   1000   0.1274   0.7			0.0100									++++
T-17   Sapoperia   S319   7129   0.0000   0.0000   531.9				1 000	160 5	3.5120	0.0180			Crop		
Forest   7129   0.1490   1.6480   50.7   0.0001   0.2	*******	<del> </del> _						<del></del>		Others		
Part   Part	0.1220		0.0004						5319	Forest	pabobeu/s	1-17
Reforestation		5.3	0.0030			1.6480	0.1490	7129		2nd vegetation		
Cico										Reforestation		
Others				1.000								
T-42   Sertaneja   FS4-6   8726   0.0000   0.0000   226.7   0.9   0.0001   0.1			2.500									
Forest   8726   0.0180   3.5120   0.9   0.0001   0.1	0 0054					0 0000	0.0000		154.€		Sertaneja	f-42
Reforestation   8726   0,000   0,000   0   0,001   0,0				l								
Pasture												<u> </u>
Crop   8726   0.0180   3.5120   152.5   1.000   0.1444   0.9		00	0 0100		0	0.0000	0 0000	8726			Pri Patiène	
T-38   Sertanopolis   456.1   8726   0.0000   0.0000   478.9   2.6		09	0.1444	1.000			0.0180	8726		Crop		
Forest   6726   0.1510   1.9040   6   0.0001   0.3     2nd vegetation   8726   0.0007   2.7590   140.4   0.0030   5.8     Reforestation   8726   0.0000   0.0000   0.0000   0.0     Pasture   8726   0.0160   3.5120   23.7   0.0160   5.5     Grop   8726   0.0160   3.5120   23.7   0.0160   5.5     Chers   0.0000   3.5120   296   1.000   0.1629   1.0     Chers   0.0000   0.0000   12.8     T3 Tesera Soares   1,303.5   6.793   0.0000   0.0000   1303.5   0.6     Forest   6.793   0.0000   0.0000   1303.5   0.6     Znd vegetation   6.793   0.0155   1.8374   522.7   0.0030   0.7     Reforestation   6.793   0.0150   1.7450   119.6   0.0010   0.2     Pasture   6.793   0.0174   2.0240   6.5   0.0100   2.3     Crop   6.793   0.0174   2.1765   407.9   1.000   0.037   0.7	0 0498								178	Others		
2nd vegetation   8726   00797   27590   140.4   0 0030   5 8     Referestation   8726   00000   00000   0   0 0010   0 0     Pasture   8726   00180   35120   23 7   0 0100   5 5     Crop   8726   0 0180   3 5120   296   1000   0 1629   1 0     Cthers   0 0000   0 0000   12 8     T-3 Texera Soules   1,303.5   6793   0 0000   0 0000   1303.5     Forest   6793   0 0000   0 0000   1303.5     Forest   6793   0 0175   18974   522.7   0 0030   0.7     Referestation   6793   0 0180   17450   119.6   0 0010   0.2     Pasture   6793   0 0341   2,1765   407.9   1000   0 0337   0.7     Crop   6793   0 0341   2,1765   407.9   1000   0 0337   0.7     Crop   6793   0 0341   2,1765   407.9   1000   0 0337   0.7     Crop   6793   0 0341   2,1765   407.9   1000   0 0337   0.7     Crop   6793   0 0341   2,1765   407.9   1000   0 0337   0.7     Crop   6793   0 0341   2,1765   407.9   1000   0 0337   0.7     Crop   6793   0 0341   2,1765   407.9   1000   0 0337   0.7     Crop   6793   0 0341   2,1765   407.9   1000   0 0337   0.7     Crop   6793   0 0341   2,1765   407.9   1000   0 0337   0.7     Crop   6793   0 0341   2,1765   407.9   1000   0 0337   0.7     Crop   6793   0 0341   2,1765   407.9   1000   0 0337   0.7     Crop   6793   0 0341   2,1765   407.9   1000   0 0337   0.7     Crop   6793   0 0341   2,1765   407.9   1000   0 0337   0.7     Crop   6793   0 0341   2,1765   407.9   1000   0 0337   0.7     Crop   6793   0 0341   2,1765   407.9   1000   0 0337   0.7     Crop   6793   0 0341   2,1765   407.9   1000   0 0337   0.7     Crop   6793   0 0341   2,1765   407.9   1000   0 0337   0.7     Crop   6793   0 0341   2,1765   407.9   1000   0 0337   0.7     Crop   6793   0 0341   2,1765   407.9   1000   0 0337   0.7     Crop   6793   0 0341   2,1765   407.9   1000   0 0337   0.7	V (1556	1 63	0.0001						₹50.1	Forest	25 raugoons	1-39
Reforestation   8726   0 0000   0 0 0 0 0 0 0 0 0 0 0 0 0 0		5.8	0 0030			2 7590	0.0797		I			
Crop   8726   0.0180   3.5120   296   1.000   0.1629   1.0		0.0	0.0010		0	0.0000	0.0000	8726		Reforestation		
Others			0 0100	1000							, Na Maria de Adam	
T-3         Texera Soaries         1,303.5         6793         0,0000         0,0000         1303.5         0,06           Forest         6793         0,0382         1,7346         192.3         0,0001         0,0           2nd vegetation         6793         0,0175         1,8374         522.7         0,0030         0,7           Reforestation         6793         0,0180         1,7450         119.6         0,0010         0.2           Pasture         6793         0,0170         2,0240         61         0,0100         2.3           Crop         6793         0,0341         2,1765         407.9         1,000         0,0837         0.7			₩. 40Z¥	1.000				0170	l			
Forest   6793   0382   17346   1923   0 0001   0 0	0 0337	0.6						6793	1,303.5	1277	Tebeira Soares	1-3
Reforestation   6793   0.0180   1.7450   119.6   0.0010   0.2		00			192 3	1.7346	0 0382	6793				
Pasture 6793 0 0170 2 0240 61 0 0100 2 3 Crop 6793 0 0341 2 1765 407 9 1 000 0 0337 0 7										2nd vegetation		
Crop 6799 0 0341 2 1765 407 9 1 000 0 0337 0 7						2 0240			l			7.5
				1 000		2.1765	0 0341					24
The second section of the section of					0	0 0000	0.0000			Others		

Table-A4.15 Future Soil Loss from Tibagi River Basin with Master Plan (4/4)

No	Municipality	:	Total Area* (km²)	R Factor	Average KS factors	Avg. non- terr. U factor	Area of Landuse (km²)	Terraced croptand (fraction)	Average C	USŁ€ so≹ loss (t/ha.yt)	Regional contribution
11	Telemaco Borba		1,583.7	1129	0,0000	0,0000	1625 3			0.9	0.0607
		Forest		7129	0.0000	0.0000	Ö		0.0001	0.0	
	Fernandas Laurandi Francia (M	2nd vegetation		7129	0.0510	2.8440	107.8		0.0030	3.1	
		Relorestation		7129	0.0343	1.9854	1331.2		0 0010	0.5	
		Pasture		7129	0.0510	2.8440	45 8		0.0100	10.3	
		Crop		7129	0.0167	2 3853	97.9	1.000	0 0724	0.3	
		Others	1		0.0000	0.0000	416		L	l	
-11	Tibegl		2,896.5	7129	0 0000	0.0000	2926.6			23	0 2758
-	AND DESCRIPTION OF THE PROPERTY OF THE PROPERT	Forest		7129	0.1780	1.6670	130.5		0.0001	02	
		2nd vegetation		7129	0 0852	1.7000	8942		0.0030	3.1	
		Reforestation	1	7129	0.1712	1.6608	255.3		0.0010	20	
-,		Pasture		7129	0 0329	1.8458	758 9		0.0100	4.3	
	li iku di ka salah ingayagi.	Сгор	1	7129	0.0166	2.1142	856.6	1.000	0 0508	0.2	
. 5 /		Others			0.0000	0.0000	30.1		I		
1.34	Ural	<u> </u>	209.6	9045	0.0000	0 0000	209.6			5.2	0.0438
		Forest		9045	0.1510	19040	21		0.0001	03	
	file of the definition for the	2nd vegetation		9045	0.1510	1 9040	0.8		0.0030	7.8	
. 1		Reforestation		9045	0.0000	0 0000	0		0.0010	0.0	
7.		Fasture		9045	0.1510	1.9040	25 3		0 0100	26 0	
<del></del>	Province of the Association	Стор	1	9045	0.0461	3.1725	151.4	1.000	0.1441	23	
		Others			0.0000	0 0000	0				3.0
T-13	Ventania	-	3801	7129	0,0000	0.0000	380.1			23	0 0350
	Property of the second of the	Forest	1	7129	0.1780	1.6670	12 2	<u> </u>	0.0001	02	
		2nd vegetation	1	7129	0.1251	1.6632	65.1		0.0030	4.5	
		Reforestation		7129	0.1552	1.6737	68.5		0.0010	2.0	
		Pasture	T	7129	0.0328	1.9030	90.3		0 0100	4.5	
	TO THE CHEST OF ACTOMISM	Crop	1	7129	0.0168	2.0630	144	1.000	0.0489	0.2	
	i o maje teletik dikubilah dibila	Others			0.0000	0.0000	0	[			
	Total =		24,655.6		1		25051	i		Average=	24

,	LS.	٩,	ИN	pi (	Яĸ	

(1) Lifactor for terraced cropland =
(2) P factor for con-cropland =
(3) P factor for storage terraces =
(4) P factor for contour on terraced cropland =
(5) P factor for non-terraced cropland =

1.00 0.05 0.60 ( assuming avg. terrace distance = 36m, slope = 8%)

(RUSLE, to compute sediment debieny)
(RUSLE, assuming plant row ridges about 5 cm high)
(RUSLE, assuming rows accross water flow, not on contour)

Note: Total larea" of each municipality = Total Area of Municipality within Tribagl River Basin - Area of Others in the Landuse Classification Abbreviation Avg. non-tern. Lifactor Lifactor for non terraced land Source: ESPAR database (Roloff,1995) for KS and C Factors