

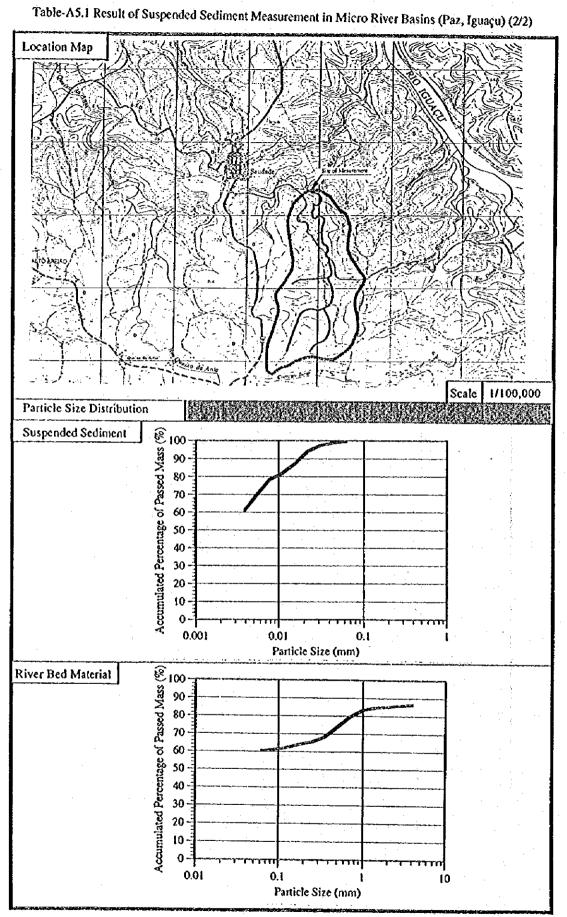
Table-A5.1 Result of Suspended Sediment Measurement in Micro River Basins (Paz, Iguaçu) (1/2)

Name of Main Rive	er Basin	iguacu Par		Location	City Saudades	Latitude 25°38'	longitude 52°3
Micro-River Basin		Paz			Sances	25-38	52'3
Land Use	Crop (ha)	Pasture (ha)	Forest / Reforestation (ha)	Fallow (ha)	Total Area (ha)		
	238	490	42		880		
Implementation of	Terracing		a ana agaitan sara manakan kilike	COLUMN THE REAL PROPERTY.			
Soil Conservation	(ha) 0				Main Crop	Maize, Beans	
Suspended		anders and the Statistic Street and the Statistics			2		
Sediment		Discharge	Concentration		Slope Steepness		· · · · ·
Measurement	Date	(liter/s)	(g/liter)	(kg/day)	₽	Slope (%)	Area (ha)
	27/02/95	189.5	26.67	436.66	Ste	0-15 15-30	4
	28/02/95	135.3	143.33		8		4/ 39
	02/03/95	95.3	33.34		25	30-45	3
	03/03/95	57.2	16.00			Total	88
•	04/03/95	1128.4	61.33		-	THE OWNER AND ADDRESS OF TAXABLE PARTY.	
	05/03/95	. 447.8	8.67			Soil type	Area (ha)
•	06/03/95	280.9	18.67			TRe	17 44
	07/03/95	243.9	21.00		S	Ca	
~	08/03/95	246.1	7.33		atic	Li	26
	09/03/95	266.0	9.33	214.43	Soil Classification	Total	88
	$\mathcal{L}_{\mathcal{A}} = \{ \mathcal{L}_{\mathcal{A}} \}$		· · ·		ass (Total	
					ö		
		1 - A					-
Particle Size	1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1		Accumulated	I Percentage Mass(%)	of Passed		
Analysis		Particle		10033[70]			
		Size (mm)	Left	Center	Average		
· ·		4.000			86.45		
•		2.830			85.96		
	River Bed Material	2.000			85.36		
	Aat	1.410			84.77		
	2 V	1.000			83.40		
	ഷ്	0.707	96.24	62.99	79.62		
	je j	0.500	92.39	54.92	73.66		
	Ŕ	0.354	88.02	48.07	68.05		
		0.250	85.50		65.34		
		0.177	84.34	43.71	64.03		
	1	0.125		41.53	62.21		
		0.088	82.26		61.16		
		0.062	81.92		60.27		
			Accumulated	l Percentage Mass(%)	of Passed		
		Particle					
		Size (mm)	Sample 1	Sample 2	Average		
	Suspended Sediment	0.0625	99.5		99.5		
	ig l	0.0442	98.5		98.8		
N	Å -	0.0312	97.0		97.5		
	8	0.0221	93.0		94.3		
	2	0.0156			87.3		
	ធ្វី 🕺	0.0110	78.0		81.8		
	Su	0.0078	72.5		78.3		
		0.0055	67.0		70.0		
		0.0039	56.0	66.0	61.0		
Abbreviation			ada Eutrofica				
	Ca: Cambiss						
	Li: Solos Lite	licos					

Other data: EMATER local office

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Table-A5.2 Result of Suspended Sediment Measurement in Micro River Basins (Areiao, Iguaçu) (1/2)

lame of Main Rive dicro-River Basin	er Başın	lguacu Areiao		Location	City Sulina	Latitude 25°40	longitude 52°4
	1974-1985-1987-1984-1986-1986-1986-1986-1986-1986-1986-1986		Forest /				
		Pasture	Reforestation		Total Area		
Land Use	Crop (ha)	(ha)	(ha)	Others (ha)	(ha)		
	873	300	84	168	1425	·	
		ara mati alerdir de Apatalysi.				Maize,	
			Organic	Green		Soybean	
Implementation of	Terracing	Buffer	Manuring	Manuring		Beans, Rice,	
Soil Conservation	(ha)	Strips (ha)	(ha)	(ha)	Main Crop	Cassava	
004 0011001120011	215	96	55	20			
	213	00 	00	20		and the state of the second	
Juspended			14		\$3		
Sediment		Discharge	Concentrati	Sediment	Siope Steepness		
leasurement	Date	(liter/s)	on (mg/liter)	(kg/day)	d d	Slope (%)	Area (ha)
	27/02/95	345,92	16.67	498.22	St	0-15	48
· · · · ·	28/02/95	343.17	38.67	1146.56	Ŷ	15-30	50
	02/03/95	233.79	12.00	242.39	l d	30-45	2:
	03/03/95	139.52	5.67	68.35	ŝ	>45	1
	04/03/95	479.77				Tolal	14
						CONTRACTOR OF THE OWNER OW	And a survey of the second second second
	05/03/95	256.33	1.00	22.15	[.	Soil type	Area (ha)
	06/03/95	277.20	16.44	393.74		TRe	4
:	07/03/95	346.12	8,33	249.11	Soil Classification	Ca	5
	08/03/95	301.67	3.67	95.66	Ц.	U	3
	09/03/95	313.77	10.00	271,10	<u>e</u>	Others	. 1.
					255	Total	14
					ប៉		
					5		
					Ň		
		-					
Particle Size			[
Analysis	<u>}</u>	1. A.	Accumu	lated Percen	tage of Passe	d Mass(%)	
•	1	Particle		I <u> </u>			
. · · · ·	1	Size (mm)	Left	Center	Right	Average	.:
		4.000	68,74	57.16		58.15	
	-	2.830	64.04	53.39		52.86	
	River Bed Material						
	붋	2.000	58.12	48.15		46.64	
	2	1.410	51.39	42.46		40.18	
	3	1.000	. 42.77	34.87	19.87	32.50	2
	<u>م</u>	0.707	30.38	26.96	12.46	23.27	
	<u>\$</u>	0.500	20.29	21.70	8.45	16.81	
	e e	0.354	14.13	18.04	6.11	12.76	
		0.250	11.94	16.26		11.11	
				1			
		0.177	10.93	15,38	4.63	10.31	
		0.125	9.77	14.38	4.18	9.44	
		0.088	9.23	14.04	4.05	9.11	
		0.062	8.73	13.86	3.98	8,86	
			Accumulate	ed Percentag	e of Passed	4	
				Mass(%)			
		Particle		1	r		
	4		Comoto 1	1			
	Suspended Sediment	Size (mm)	Sample 1	 	l		
	1 7	0.0625					
	Å.	0.0442					
	2	0.0312					
	ğ	0.0221	81.0				
	l ž	0.0156					
	l ÿ	0.0110			1		
	S S	0.0078	L		;		
	1				1		
	1	0.0055			1		
	L	0.0039		and the state of the			والمراجع والمراجع والمراجع والمراجع
	COLUMN TWO IS NOT THE OWNER.						
bbreviation	TRe: Terra	Koxo Estrutur	ada Eulionea	1			
bbreviation	TRe: Terra I Ca: Cambis		ada Eulionea	1			
bbreviation		solo	ada Eulionea				

Source: Suspended sediment measurement and particle size analysis were conducted by a local consultant through the sub-contract with JICA study team.

Other data: EMATER local office

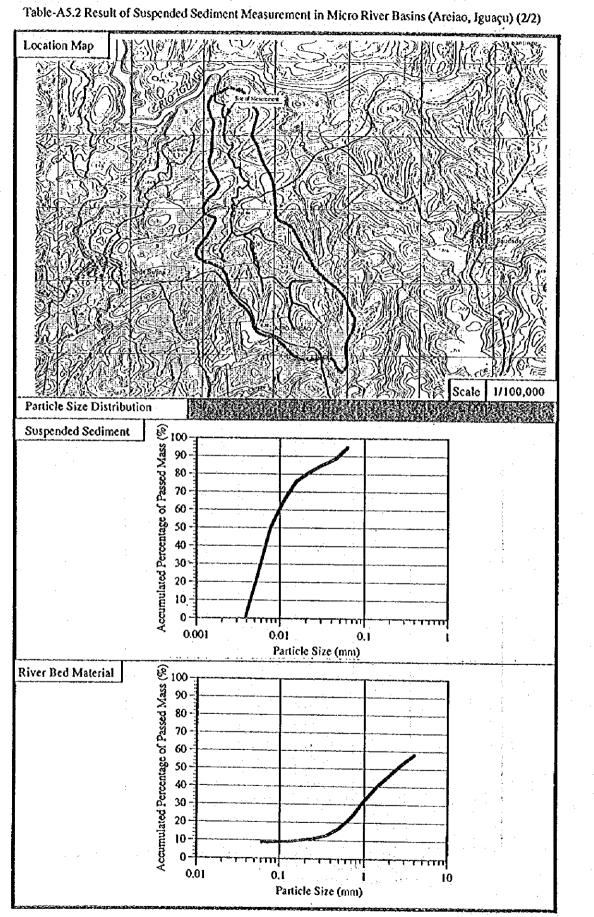


Table-A5.3 Result of Suspended Sediment Measurement in Micro River Basins (Cachoeirinha, Iguaçu) (1/2)

Name of Main Rive	ər başın	Iguacu Cacheoirint		Location	City	Latitude	longitude
Micro-River Basin	-	Cachoeirini	A REAL PROPERTY AND A REAL PROPERTY A REAL PROPERTY A REAL PROPERTY AND A REAL PROPERT	a an	Magueirinha	2600	527
Land Use	Crop (ha)	Pasture (ha)	Forest / Reforestation (ha)	Fallow (ha)	Tolal Area (hə)		
	135		945	270	1350		
Implementation of Soil Conservation	Terracing						1
Measures	(ha) -						
Suspended Sediment		Discharge	Concentration	Sediment	S		ν.
vieasurement	Date	(liter/s)	(mg/liter)	(kg/day)	Ĕ	Slope (%)	Area (ha)
	28/02/95	118.90	118.33	1215.60	8	0-30	13
	02/03/95	83.55	2.00		Stope Steepness		
	03/03/95	73.23	4.33		đ		
	04/03/95	39,90	14.00	48.26	ઝ	· · · ·	
	05/03/95	85.00	8.33	61.18		Total	13
	06/03/95	86.71	47.67		AND ADD TO THE REAL PROPERTY AND THE REAL PROPERTY AND	Security in the second s	A COLOR MANAGEMENT
	07/03/95	83.42	12.67	91.32		Soil type	Area (ha)
	07/03/95	63.42	5.00			LRd	13
	08/03/95	24.12	5.33		tor		
			5.33 4.67		ŝ		
	10/03/95	31.20	4.07	12.59	Soil Classification	Total	13
					N. N	IO(3)	13
•	а. А.						2
					й		
Particle Size			Accumulated	Percentage	of Passed		
vialysis				Mass(%)			
		Particle					
		Size (mm)	Left	Center	Average		
		4.000		· · · · · · · · · · · · · · · · · · ·			
		2.830					
	River Bed Material	2.000	Since the bed is	s rock, it was	not		
	- Ma		able to collect s				
	5	1.000		-			
	<u>بر</u>	0.707					
	űve	0.500			1		
	EX.	0.354					
		0.250					; ;
		0.177					
		0.125					
		0.088					
		0.062					
			Accumulated	Percentage	of Passed		
				Mass(%)			
		Particle					
		Size (mm)	Left	Cenler	Average		
	Suspended Sediment	0.0625		•••••			
	្ត្រី	0.0442	Amount of sedi	ment is too sr	nall		
	a a a		for the particle s				1
	a de	0.0221		-			
•	Ž	0.0156					•
	Å.	0.0110			l		1
	S.	0.0078					1
		0.0055					i
		0.0039					
bbreviation	LRd: Latoss	olo Roxo Distr	0100	anda salakinda dini ambanda s		and all a subscriptions and a subscription of	595),*27-54,ez-40%,#-3-4-4
a and a state of the second	and a state of the state of the		The second second second				
Source:			surement and p contract with J			onducted by a k	cal

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Location Map 1/100,000 Scale Particle Size Distribution Suspended Sediment River Bed Material

Table-A5.3 Result of Suspended Sediment Measurement in Micro River Basins (Cachocirinha, Iguaçu) (2/2)

Table-A5.4 Result of Suspended Sediment Measurement in Micro River Basins (Tibagi Main River) (1/2)

Name of Main Rive		Tibagi	· · ·	Location	City	Latitude	longitude
Name of Micro-Riv	er Basin				Jataizinho	23°15'	510
Land Use	Crop (ha)	Pasture (ha)	Forest / Reforestation (ha)	Others (ha)	Total Area (ha)		
less to per ute tion of	Taura da m				2,195,500		
Implementation of Soil Conservation	Terracing (ha)		······································				
Suspended		angladina					
Sediment Measurement	Date	Discharge (m³/s)	Concentration (mg/liter)	Sediment (Vday)			
	13/02/95	945	84.67	6913			
	16/02/95	810	47.78				
	17/02/95	745	69.11	4448			
	18/02/95	750	41.95	2718			
	19/02/95	800	83.06	5741			
	20/02/95	740	52.78	3375			
	21/02/95	665	100.83				
	22/02/95	640	153.06	8464			
	23/02/95	620	216.78				
•	24/02/95	590	28.56				
•	13/05/95	240	19.88				
	14/05/95	230	17.80				
	15/05/95	226	20.12	393			
	16/05/95	220	15.84				
	17/05/95	220	21.38	406		والمحافظ المراجع المراجع المحافظ المحافظ المحافظ والمحافظ والمحافظ	
Particle Size Analysis			Accumulated	Percentage Mass(%)	of Passed		
		Particle	·····				
		Size (mm)	Center 1	Center2	Average		
		4.000	100.00	100.00	100.00		· .
		2.830	100.00	100.00	100.00		
	ie ii	2.000	100.00	100.00	100.00		
	Mat	1.410	99.35	99.94	99.65		
	7	1.000	99.22	99.71	99.47		
	a di se di s	0.707	98.49	98.28	93.39		
	River Bed Material	0.500	92.84	92.74			
	۲ د	0.354	62.81	69.70			
		0.250	34.79	1			
		0.177	22.92	34.74			
		0.125	14.20		9.96		
		0.088 0.062	12.01 11.55	1.24 0.15	6.63 5.85		
					ge of Passed	Mass(%)	
		Particle					
	Le	Size (mm)	Lett	Center	Right	Average	
	Suspended Sediment	0.0625	99.0	93.0	96.5	97.8	
	ů	0.0442	97.0			95.2	
		0.0312	94.5			91.2	
	- Da	0.0221	90.0	81.0 60.0	85.0	85.3	
	Š.	0.0156	86.5			77.0	
	่ วี่ง	0.0110 0.0078	82.5 80.0	63.5 62.0	58.5 56.0	68.2 66.0	
		0.0078	56.5	51.0	25.5	44.3	
		0.0039	11.5	21.0	8.0	13.5	

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consultant through the sub-contract with JICA study team.

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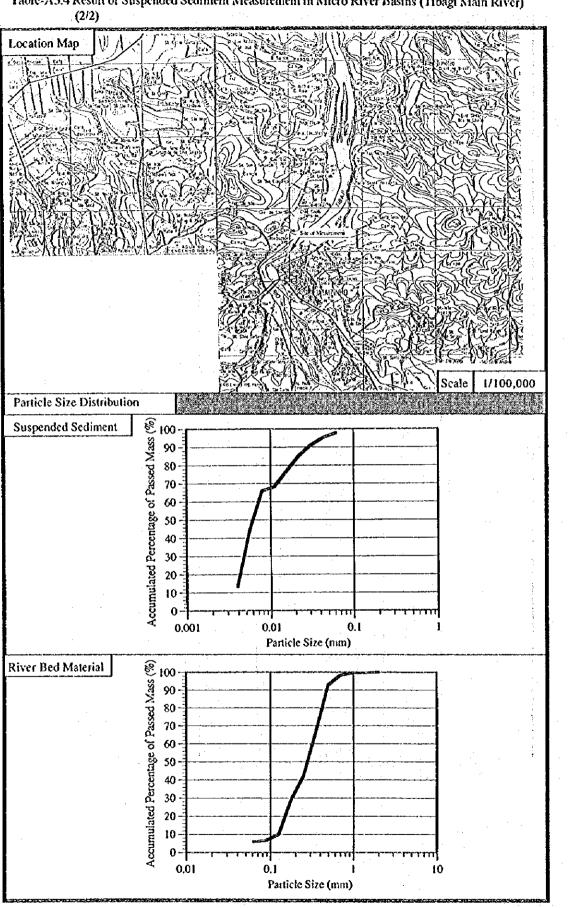


Table-A5.4 Result of Suspended Sediment Measurement in Micro River Basins (Tibagi Main River)

 Table-A5.5 Result of Suspended Sediment Measurement in Micro River Basins (Limoeiro, Tibagi)

 (1/2)

er Basin	Tibagi	· · · · · · · · · · · · · · · · · · ·	Location	City	Latitude	longitude
er Basin	Limoeiro			Assai	23°30′	51°55
Crop (ha)	Pasture (ha)	Forest / Reforestation (ha)	Others (ha)	Total Area (ha) 1103		
AND ADDRESS OF CONTRACT A DESC.					Souhozo	
(ha)				Main Crop	Maize, Cotton	
V	and the second			- Chained - Collectration States		
	Dicebarge	Concentration	Sediment	SSE		
Date				bue	Slope (%)	Area (ha)
				ee.		20
		11,98	132.49	S S		31
17/02/95		56.98	241.23	ďo	8-13	40
18/02/95	77.30	16.67	111.33	លី	13-30	19
19/02/95	111.28	63.39	609.47		Total	110
20/02/95	84.54	40.04	292.46		Soil type	Area (ha)
21/02/95	67.00	19.86	114.97		LRe	55
22/02/95	70.13	17.71	107.31	· c	TRe	32
23/02/95	87.89	14.93	113.37	tio		11
24/02/95				iç ji		11
				Ssi	Tolal	110
				Cla		
				_		
17/05/95	47.97		and the second		en a man a costa años en a secto	
		Accumulates		of Passed		
			Mass(70)			
		Contor	Right	Averane		
ñ						
ü e						
Vat						
2		78.31	85.11	81.71		
മ്	0.707	75.75	82.18	78.97		
Sei	0.500	74.29	80.35	77.32		1
. щ		72.65	78.19	75.42		
				1		
	0.062					
	· .	Accumulated	Percentage Mass(%)	of Passed		
ent	Particle Size (mm)	Sample 1				
Ê	0.0625	93.0				
ě						
· p	0.0312	85.0				1
Ξ Ď	0.0221	78.5				
· 6						
Sus						
				. i		
	and the second	Carl and the other days in the second state of the latter				
						i,
	toxo Estrutur: Avermelhadr					
D. Q						
B: Brunizem				•		:
Re: Solos Lit	olicos Eutrofi	cos	articla cizo o	: nalvsie woro	conducted by a k	cal
Re: Solos Lit Suspended s	olicos Eutrofi rediment mea	cos	particle size a	nalysis were	conducted by a lo	cal .
	rer Basin Crop (ha) 905 Terracing (ha) 0 Date 14/02/95 15/02/95 15/02/95 20/02/95 22/02/95 22/02/95 23/02/95 23/02/95 13/05/95 15/05/95 16/	er Basin Limoeiro Crop (ha) Pasture (ha) 905 48 Terracing (ha) Discharge (liter/s) 14/02/95 112.90 15/02/95 128.00 17/02/95 128.00 17/02/95 112.80 18/02/95 77.30 19/02/95 84.54 20/02/95 84.54 21/02/95 67.00 22/02/95 70.13 3/05/95 44.19 14/05/95 42.55 15/05/95 48.67 16/05/95 36.77 17/05/95 47.97 7/05/95 47.97 9 0.000 9 2.000 9 1.410 9 1.000 10 0.707 9 0.500 11/10 1.410 9 0.001 10 0.707 9 0.500 11/10 0.0354 0.250 0	er Basin Limoeiro Pasture (ha) Forest / Reforestation (ha) 905 48 150 Terracing (ha) Discharge (liter/s) Concentration (mg/liter) 14/02/95 112.90 24.75 15/02/95 128.00 11.98 17/02/95 128.00 11.98 17/02/95 128.00 11.98 17/02/95 128.00 16.67 19/02/95 67.00 19.86 22/02/95 70.13 17.71 23/02/95 84.54 40.04 21/02/95 67.00 19.86 22/02/95 70.13 17.71 23/02/95 87.89 14.93 24/02/95 62.90 6.61 13/05/95 48.67 1.19 16/05/95 36.77 3.01 17/05/95 47.97 2.68 2 2.830 93.21 4 2.000 86.86 2 0.354 72.65 0.707 75.75<	er Basin Limoeiro Crop (ha) Pasture (ha) Forest / Reforestation (ha) Others (ha) 905 48 150 0 Terracing (ha) Discharge (liter/s) Concentration (mg/liter) Sediment (tig/day) 14/02/95 112.90 24.75 241.43 15/02/95 128.00 11.98 132.49 17/02/95 49.00 56.98 241.23 18/02/95 111.28 63.39 609.47 20/02/95 84.54 40.04 292.46 21/02/95 77.30 16.67 114.97 22/02/95 70.13 17.71 107.31 24/02/95 62.90 6.61 35.92 13/05/95 44.19 3.75 14.32 14/05/95 42.55 1.26 4.63 15/05/95 48.67 1.19 5.00 16/05/95 47.97 2.68 11.11 0 0.00 97.30 98.09 2 2.830 93.21	er Basin Limoeiro Assai Crop (ha) Pasture (ha) Forest / Reforestation (ha) Total Area (ha) 905 48 150 0 1103 Terracing (ha) 0 0 100 Main Crop (kg/day) 0 0 0 0 100 0 0 24.75 241.43 0 14/02/95 112.90 24.75 241.43 0 15/02/95 128.00 11.98 132.49 0 0 11/02/95 111.28 63.39 609.47 0 0 0 20/02/95 84.54 40.04 292.46 0	Er Basin Limobico Assai 23'30' Crop (ha) Pasture (ha) Foresi/ Reforestation (ha) Total Area (ha) 23'30' 905 48 150 0 1103 Foresing (ha) 0 0 100 0 0 0 0 103 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 14/02/85 112.90 24/75 241.43 9 3-8 8-13 18/02/95 77.30 16.67 111.33 13-30 13-30 19/02/95 67.00 19.86 114.97 ERe 70dal 22/02/95 62.90 6.61 3592 70 gr

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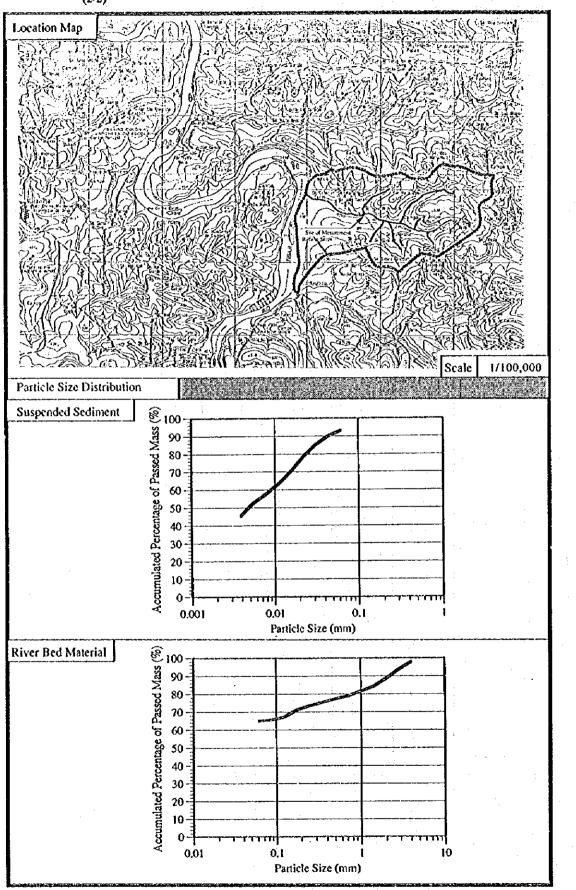


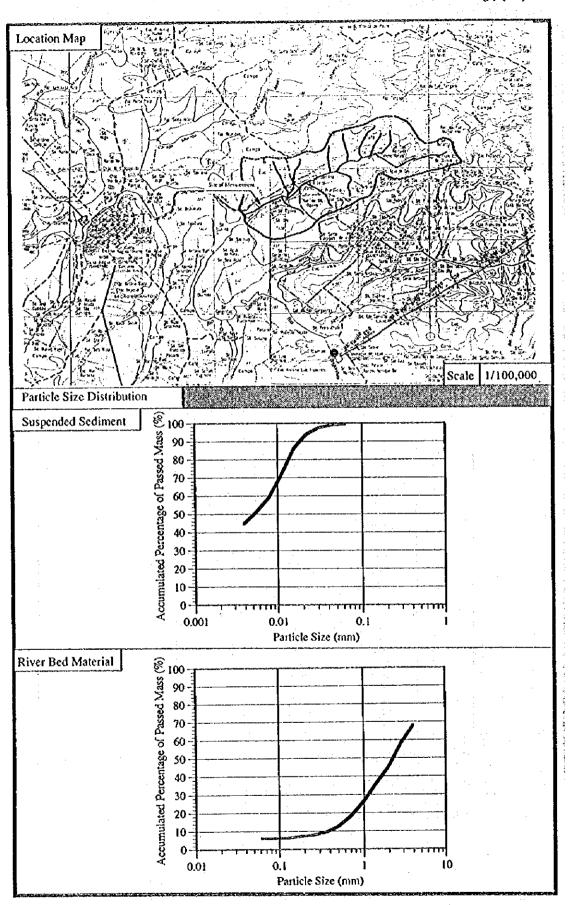
Table-A5.5 Result of Suspended Sediment Measurement in Micro River Basins (Limociro, Tibagi) (2/2)

Table-A5.6 Result of Suspended Sediment Measurement in Micro River Basins (Uru, Tibagi) (1/2)

Name of Main Rive	er Basin	Tibagi		Location	City	Latitude	longitude
Micro-River Basin		Uπ			Congoinhas	23°12'	50°44
Land Use	Crop (ha) 587	Pasture (ha) 321	Forest / Reforestation (ha) 0	Others (ha) 0	Total Area (ha) 908		
i Inclamation of	~ ~ ~		· · · · · · · · · · · · · · · · · · ·	<u> </u>			
Implementation of Soil Conservation Measures	Terracing (ha)				Main Crop	Soybean - wheat, Maize	
· · · · · · · · · · · · · · · · · · ·	510						
Suspended Sediment Measurement	Date	Discharge (liter/s)	Concentration (rng/liter)	Sediment (kg/day)	Slope Steepness	Slope (%)	Area (ha)
	15/02/95	94.78	0.45	3.69	šte	0-8	14
-	17/02/95	580.70	404.13		e e e e e e e e e e e e e e e e e e e	8-13	43
	18/02/95	38.60	55.71	185.60	doj	13-30	18
· ·	19/02/95	104.55 69.43	3.21	29.00 21.72	0,	>30 Total	<u>14</u> 90
	20/02/95	54.76	19.31	91.36	· · · · · · · · · · · · · · · · · · ·	Soil type	Area (ha)
	22/02/95	61.10	7.29		1. A.	LRe	27
	23/02/95	26.12	44.34	100.07	_	TRe	31
	24/02/95	18.50	4.71	7.53	iğ	C	15
4	25/02/95	40.70	7.26		Soil Classification	Re	17
	13/05/95	43.39	10.26		Sit &	Total	90
	14/05/95	43.08	18.40		å		
	15/05/95	57.67	10.00	49.83			
	16/05/95	42.06	17.28	62.80			
	17/05/95	41.41	9.64	34.49			
Particle Size Analysis			Accumulated	i Percentage (Mass(%)	of Passed		
		Particle Size (mm)	Center	Right	Average		. •
•		4.000	62.85	73.12	67.99		
	ia -	2.830	47.15		58.12		
	River Bed Material	2.000	28.12	62.80	45.46		
	Ma	1.410	16.85		36.15		
) Sec	1.000	10.25		26.39		
	ы. В	0.707	7.65		18.26		
	Š	0.500 0.354	6.35 5.49		12.53 9.27		
	_	0.354	5.03		5.21		
		0.177	4.80		7.06		
1		0.125	4.48		6.21		
		0.088	4.40		6.03		
	-	0.062	4.38	7.57	5.98		
			Accumulated	Percentage Mass(%)	of Passed		
	Suspended Sediment	Particle Size (mm)	Sample 1	Sample 2	Average		
	E E	0.0625	99.5	99.5	99 .5		
	, s	0.0442	99.0	99.0	99.0		
	8	0.0312	97.5		97.5		
	Ŭ K	0.0221	96.0		93.8		
	Å.	0.0156	91.5		86.3		
· .	ซี	0.0110	79.5		71.5		
		0.0078	71.0 64.0		59.0 51.0		
		0.0039	04.0 57,5		44.8		
Abbreviation	Re Lalocer	olo Roxo Eutr		VL.V			n alam bilinga san distrik Berta
NUT GYIGUUT		loxo Estrutura					
	C: Cambisso						
		olicos Eutrofi	cos				
Source:			surement and p	article size an	alysis were o	onducted by a lo	cal
	consultant th	rough the sul	-contract with J	CA study lea	m.	-	
		MATER Inca					

Other data: EMATER local office

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Table-A.5.6 Result of Suspended Sediment Measurement in Micro River Basins (Uru, Tibagi) (2/2)

Table-A5.7 Result of Suspended Sediment Measurement in Micro River Basins (Godoy, Tibagi) (1/2)

	or Basin 👘	Tibagi	· · · · · ·	Location	City	Latitude	longitude
Micro-River Basin		Godoy			Londrina	23°30'	51°15
Land Use	Crop (ha)	Pasture (ha)	Forest / Reforestation (ha)	Others (ha)	Tolai Area (ha)	49409473CBK1024E331E4348-47793	y na na hadin na hadin da hadi
		anda Ali anda anda anda anda anda anda anda and	86		8 6		
Implementation of Soil Conservation Measures	Terracing (ha)	·					
<u>~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~</u>				-			
Suspended Sediment Measurement	Date	Discharge (liter/s)	Concentration (mg/liter)	Sediment (kg/day)	Siope Steepness	Slope (%)	Area (ha)
	15/02/95	9.50	14.00	11.49	Ster	18	2
÷	16/02/95	5,90	14.59	7.44	e e	33	1
	17/02/95	2.10 1.20	12.22 57.78	2.22 5.99	S.	56 100	2
	18/02/95 19/02/95	1.20	14.00			Total	8
	20/02/95	1.20	10.58		a la companya da Cardon de Card	Soil type	Area (ha)
	20/02/95	0.51	12.67	0.56		Re	3
	22/02/95	8.90	50.67		<u>5</u>	88	2
	23/02/95	9.47	9.46		а Л	TRe	2
	24/02/95	9,18	5.24	4.16	Soil Classification		
	13/05/95	6.28	4.05		N N	Total	8
	14/05/95	6.28	6.99		0 Hereita de la companya		
	15/05/95	6.28	4.96		й		
·	16/05/95	6.28	5.00				
in vincinali simal caracteri caracteri	17/05/95	6.28	6.76	the second s		a a su a cara da cara a ca	ومعود عبيرة منازي عمر منهور
Particle Size	· · ·		Accumulated		of Passed		
Analysis		Particle	· · · · · · · · · · · · · · · · · · ·	Mass(%)			
		Size (mm)	Center	Right	Average		
		4.000	35.16		26.43		
	ភ	2.830	34.31	17.62	25.97		
	teri	2.000	34.10		25.86		
	River Bed Material	1.410	34.00		25.80		
	<u></u>	1.000	23.79	1	19.14		
	5	0.707	21.98		17.97		
	Ž	0,500	20.47		17.02		
		0.354	18.78 17.45		15.99 15.21		
		0.230	16.31	12.97	14.55		
		0.125	15.01	12.50	13.76		
		0.088	14.71	12.39	13.55		
		0.062	14.69				
	· · · · · · · · · · · · · · · · · · ·		Accumulated	Percentage Mass (%)	of Passed		
		Particle					
	Suspended Sediment	Size (mm)					
	, př	0.0625	Amount of sedi	ment is too er	nali		
	Š		for the particle				
	de Ce	0.0221					
	ben	0.0156					
	, isi	0.0110					
		0.0078					
· .		0.0055	£	•			
and and an		0.0039	an an air an air an an Anna Anna Anna Anna Anna Anna A				~~~~~
Abbreviation	BR: Brunizer						
. '		lolicos Eutrofi					
	TRE: Ferrá P	(oxa Estrutur	ada Eutrofica		-		

Other data: EMATER local office

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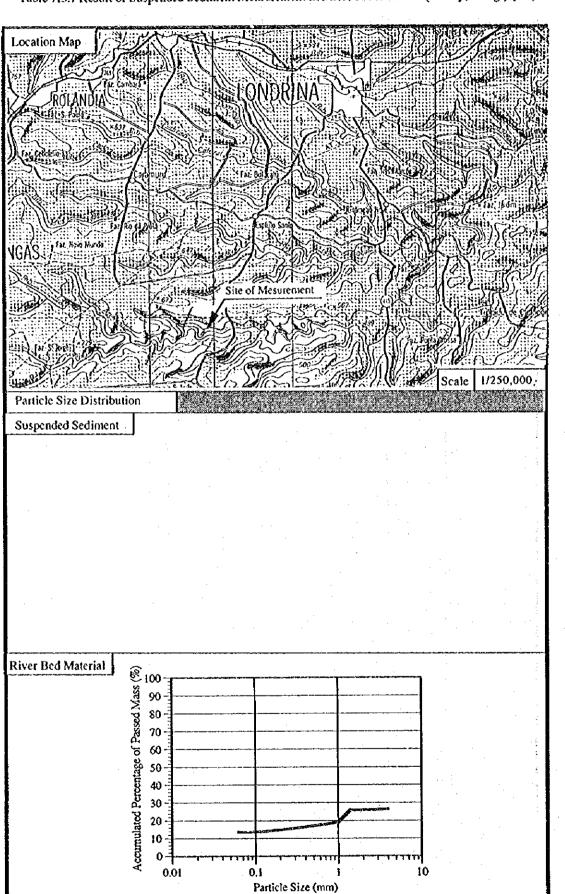


Table-A5.7 Result of Suspended Sediment Measurement in Micro River Basins (Godoy, Tibagi) (2/2)

Table-A5.8 R Factor Computation for Micro River Basins in Iguaçu River Basin

ATE .	TR46	RAIN	Intensity	XE			RAIN	Intensity	KE
ATE 1 1-Mar	5:00 am	(mm) 0.000	(mm/h) 0	(MJ/ha) 0	DATE	TIME	<u>(mm)</u>	(mrvh)	(M.J/ha)
1-14:91			-	0.1732		6:30 pm	0 300	18	0 029
	5.10 am	1 200	7.2			6:40 pm	0 200	12	0.018
	5-20 am	1 200	7.2	0.1732		6.50 pm	0.200	12	0.038
olaf		2.400	R factor	1.66		7.00 pm	0 050	0.3	0.004
1-Mar	6:30 am	0 000	0	0		7.10 pm	0.050	03	0.004
	5:40 sm	0.100	06	0 0087		720 pm	0.010	0.06	0.090
	6.50 am	12 000	72	3.4115		7:30 pm	0 010	0.06	0 000
	7:00 am	2 900	17.4	0.5873		7.40 pm	0.010	0 06	0.000
	7:10 am	0 300	1.8	0 0293		7:50 pm	0.010	0.06	0.000
	7:20 am	0.100	0.6	0 0087		8 00 pm	0.010	0.05	0 000
	7:30 am	0.100	0.6	0.0087		8.10 pm	0.010	0.06	0.000
	7:40 am	0 010	0.06	0 0008		8:20 pm	0.010	0.06	0.000
	7:50 am	0 0 1 0	0.06	0 0008			0.010	0.06	0.000
						8:30 pm			
	8:00 am	0.010	0.06	0 0008		8:40 pm	0.010	0.06	0.000
	8:10 am	0.010	0.06	0 0008		8:50 pm	0.010	0.00	0.000
	8.20 455	0 0 1 0	0.06	0.0008	Total		52 900	R factor	906.9
	8:30 am	0 010	0.06	0.0008	5-Mar	0:40 am	0.000	· •	
	8:40 am	0.010	0.06	0 0008		0 50 am	Q 010	0.06	0 000
	8:50 am	0.010	0.06	0.0008		1.00 am	0.010	0.06	0.000
	9:00 am	0.020	0.12	0.0016		1:10 am	0 010	0.06	0 000
olat		15.600	R factor	123 51		1 20 am	0 010	0.06	0 000
t-Mar						1:30 am	0.010	0.06	0 000
	3:00 pm	0.000	. 0	0		1:40 am	0 010	0.06	0.000
	3:10 pm	1.600	9.6	0.2573		1.50 am	0 010	0.06	0.000
	3 20 pm	3.500	21	0.7593		2:00 am	0 010	0.06	0 000
	3:30 pm	0.300	. 18	0.0298		2.10 am	0.010	0.06	0.000
	3:40 pm	0.000	0	0	_ : -	2:20 am	0.010	0.06	0 000
	6 30 pm	0.000	• 0	0	Total		0 100	R factor	00
–	6:40 pm	0.100	06	0.0087	5-Mar	2:40 pm	0 000	Q	
ofal 🗌		5.500	Rfactor	11.40		2.50 pm	0 0 1 0	0.06	0.000
3-Mar	7:20 pm	0.009	Ģ	· 0		3:00 pm	0.010	0.06	0.000
	7:30 om	1.000	6	0.1353		3:10 pm	0 0 1 0	0.06	0.000
	7:40 pm	0.100	0.6	0 0087		3 20 pm	0.010	0.06	0.000
	7.50 om	0.100	0.6	0.0087		3:30 pm	0 010	0.06	0.000
otal 👘		1.200	R factor	0.37		3.40 pm	0.010	0.06	0.000
4-Mar	2:00 am	0.100	0.6			-			
4-16-04	2 10 am			0.0087		3 50 pm	0.010	0.06	0.000
		0.700	42	0 0845		4.00 pm	0.010	0.06	0.000
	2:20 am	0 600	3.6	0 0694		4.10 pm	0.010	0.06	0.000
	2 30 am	0.000	. O	0		≮'20 pm	0.010	0.05	0.000
	2:40 am	0.000	0	0		4:30 pm	0 900	5.4	0.517
	2 50 am	2.400	14,4	0.4521		4.40 pm	0 600	36	0.069
-	3:00 am	1.500	9	0 2353		450 pm	0.000	0	
	3:10 am	0.000	. 0	0		5:00 pm	0 000	0	
	3:20 am	0.000	0	. 0		5.10 pm	0.000	0	
	3 30 am	0 000	0	٥		5 20 pm	0.000	0	
	3:40 am	0.100	0.6	0 0087		5.30 pm	0.000	ō	
	3.50 am	0.030	0.18	0 0025		5.40 pm	0.000	ō	
	4:00 2m	0.030	0.18	0.0025		5 50 pm	0.000	ŏ	
	4.10 am	0.040	0.10	0.0033		-		ŏ	
otal -	9.10 401					6:00 pm	0 000		
		5.500	R factor	6.76		6:10 pm	0.000	0	
4-Mar	6.50 sm	0.000	0	0		6:20 pm	0.000	0	
	6:30 am	0.010	0.06	0.0008		6:30 pm	0 200	1.2	0.018
	6:40 am	0.010	0.06	0.0008		6:40 pm	0 200	1.2	0.018
	6.50 am	0.010	0.06	0 0008		6:50 pm	0 200	12	0.018
	7:00 am	0.010	0.06	0 0008		7:00 pm	0.300	1.8	0.029
	7.10 am	0.010	0.06	0 0008		7:10 pm	0.300	1.8	0.029
	7:20 am	0.010	0.06	0 0008		7 20 pm	0.300	1.8	0.029
	7:30 am	0 0 10	0.06	0 0008		7:30 pm	0.300	1.8	0.029
	7:40 am	0 0 10	0.06	0 0008		7.40 pm	0 200	12	0.018
	7:50 am	0.010	0.06	0.0008		•		0.6	
	8:00 am					7.50 pm 8:00 pm	0.100		0.008
	0.00 200	0.010	0.06	0.0008		8:00 pm	0.030	0.18	0.002
a .		0.100	Rfactor	6 00		8.10 pm	0 030	0.18	0 002
4-Mar	3 50 pm	0.000	0	0	. .	820 pm	0.040	0 24	0.003
	4.00 pm	7.700	46.2	2 0734	Tolai		3.800	Rischr	1.2
	4.10 pm	0.300	1.8	0.0298	8-Mar	1.50 pm	0.000	0	
	4:20 pm	0 000	0	0		2.00 pm	7.000	42	1.85
	4.30 pm	0.000	0	0		2:10 pm	4.000	24	0.908
	4.40 pm	0.000	0	0		2 20 pm	0.400	2.4	0 041:
	4.50 pm	2.000	12	0.3508		2:30 pm	0.100	0.6	0.008
	5:00 pm	15 900	113.4	5.4674		2:40 pm	0 300	1.8	0.029
	5:10 pm	8 000	48	2.1685			0 500	3.6	0 069
						2.50 pm 2.00 pm			
	5-20 pm	5 800	43.8	1.7874		3.00 pm	0.800	48	0.100
	5:30 pm	3.000	18	0.6153		3.10 pm	0 700	4.2	0.084
	5:40 pm	2.800	16.8	0.5596		3:20 pm	0.700	4.2	0.084
	5:50 pm	1.300	7.8	0.1932		3:30 pm	0.400	2.4	0.041
	6 00 pm	0 500	Э	0.0551	Total		15 000	Rfactor	73.4
	6.10 pm	0.400	2.4	0.0419					
	6:20 pm	0.300	1.8	0 0298	unit of R facto		nm/ba/br		(inetic Ene

0

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DATE	TIME	RAIN (mm)	intensity (mm/h)	KE (MJ/ha)		DATE	TIME	RAIN (mm)	Intensity (mm/h)	KE (MJ/ha)
7-Feb	12:40			100 100/00/		19-Feb	20.00			144 (110 14
	12:50	0					20:10	0.1	•	
	13.00	1.5	9.00	0.2353			20:20	0.1		
	13:10	0	0.00	0.0000			20:30	0		
	13:20 13:30	0.8	4.80 3.60	0.1006	:		20:40 20:50	0.2	too small to	Ao menudo
	13:50	0.6 0	0.00	0.0000			21:00	0.1	too senan to	compare
	13.50	ŏ	0.00	0.0000			21:10	Ő		
	14:00	ō	0.00	0.0000		3	21:20	Ō		
	14:10	Ō	0.00	0.0000			21:30	Ó		
	14:20	3	18.00	0.6153			21:40	0		
	14:30	0,1	0.60	0.0087			21:50	0		
	14:40	4	24.00	0.9084			22:00	0		
	14:50	17.5	105.00	5,0558		Total		0.5		
	15:00	0.4	2.40	0.0419		21-Feb	13.00			
	15:10	. 0	0.00	0.0000			13.10	0	0.00	0.0000
	15:20	0	0.00	0.0000			13:20	0	0.00	0.0000
	15:30	0	0.00	0.0000			13:30	0.8	4.80	0.1006
	15:40	0	0.00	0.0000			13:40	0.4	2.40	0.0419
	15:50 16:00	0	0.00	0.0000			13:50 14:00	0.1 0	0.60 0.00	0.0087 0.0000
Total -	10.00	27.9	Riector	306.15			14.10	ŏ	0.00	0.0000
IVIA	23:20	21.0	A Deccor	000.10			14.20	0.1	0.60	0.0087
	23:30	0						14	Riector	0.42
	23:40	0,1					23.10	0		
	23.50	0.1	too small to o	ompute			23:20	4	24.00	0.9084
	0.00	0.1		•			23:30	0.4	2.40	0.0419
	0:10	0,1					23:40	1.2	7.20	0.1732
	0:20	0					23:50	0.3	1.80	0.0298
-	0:30	0					0:00	0.1	0.60	0.0087
otal		0.4				Total		6	R factor	13.01
8-Feb	13:00					22-Feb	1:50			
	13:10	0.1	0.60	0.0087			2:00	0.1		
	13:20	0	0.00	0.0000			2:10	0.1		
	13:30 13:40	6.2 0	37.20 0.00	1.5965 0.0000			2:20 2:30	0.2	too small to	compute
	13:50	ŏ	0.00	0.0000			2:40	0.2		
	14:00	0.1	0.60	0.0087			2.50	ŏ		
	14:10	0	0.00	0.0000			3.00	ŏ		
						Total		0.4	· · · ·	
	14:20	0	0.00	0.0000						
	14:20 14:30	0	0.00 0.00	0.0000 0.0000		1010		v. •		÷
			0.00 0.00			1010		v.+		
	14:30 14:40 14:50	000000000000000000000000000000000000000	0.00 0.00 0.00	0.0000			it of R factor		ha hr	·
	14:30 14:40 14:50 15:00	0 0 0	0.00 0.00 0.00 0.00	0.0000 0.0000 0.0000 0.0000			it of R factor		ha hr	
	14:30 14:40 14:50 15:00 19:10	0 0 0 3.6	0.00 0.00 0.00 0.00 21.60	0.0000 0.0000 0.0000 0.0000 0.7837				: MJ·movi		·
	14:30 14:40 14:50 15:00 19:10 19:20	0 0 0 3.6 7	0.00 0.00 0.00 21.60 42.00	0.0000 0.0000 0.0000 0.0000 0.7837 1.8510						
	14:30 14:40 14:50 15:00 19:10 19:20 19:30	0 0 0 3.6 7 3	0.00 0.00 0.00 21.60 42.00 18.00	0.0000 0.0000 0.0000 0.7837 1.8510 0.6153				: MJ·movi		
	14:30 14:40 14:50 15:00 19:10 19:20 19:30 19:40	0 0 3.6 7 3 4.3	0.00 0.00 0.00 21.60 42.00 18.00 25.80	0.0000 0.0000 0.0000 0.7887 1.8510 0.6153 0.9938				: MJ·movi		
	14:30 14:40 14:50 15:00 19:10 19:20 19:30 19:40 19:50	0 0 3.6 7 3 4.3 0.1	0.00 0.00 21.60 42.00 18.00 25.80 0.60	0.0000 0.0000 0.0000 0.7887 1.8510 0.6153 0.9998 0.0087				: MJ·movi		
	14:30 14:40 14:50 15:00 19:10 19:20 19:30 19:40 19:50 20:00	0 0 3.6 7 3 4.3 0.1 0	0.00 0.00 0.00 21.60 42.00 18.00 25.80 0.60 0.00	0.0000 0.0000 0.0000 0.7837 1.8510 0.6153 0.9938 0.0087 0.0000				: MJ·movi		
	14:30 14:40 14:50 15:00 19:10 19:20 19:30 19:40 19:50 20:00 20:10	0 0 3.6 7 3 4.3 0.1 0 0	0.00 0.00 0.00 21.60 42.00 18.00 25.80 0.60 0.00 0.00	0.0000 0.0000 0.0000 0.7837 1.8510 0.6153 0.9938 0.0087 0.0000 0.0000				: MJ·movi		
	14:30 14:40 14:50 15:00 19:10 19:20 19:30 19:40 19:50 20:00 20:10 20:20	0 0 3.6 7 3 4.3 0.1 0 0	0.00 0.00 0.00 21.60 42.00 18.00 25.80 0.60 0.00 0.00 0.00	0.0000 0.0000 0.0000 0.7837 1.8510 0.6153 0.9938 0.0087 0.0000 0.0000 0.0000				: MJ·movi		
	14:30 14:40 14:50 15:00 19:10 19:20 19:30 19:40 19:50 20:00 20:10	0 0 3.6 7 3 4.3 0.1 0 0	0.00 0.00 0.00 21.60 42.00 18.00 25.80 0.60 0.00 0.00	0.0000 0.0000 0.0000 0.7837 1.8510 0.6153 0.9938 0.0087 0.0000 0.0000				: MJ·movi		
	14:30 14:40 14:50 15:00 19:10 19:20 19:30 19:30 19:50 20:00 20:10 20:20 20:30	0 0 3.6 7 3 4.3 0.1 0 0 0 0	0.00 0.00 0.00 21.60 42.00 18.00 25.80 0.60 0.00 0.00 0.00 0.00 0.00	0.0000 0.0000 0.0000 0.7837 1.8510 0.6153 0.9933 0.0037 0.0000 0.0000 0.0000 0.0000				: MJ·movi		
	14:30 14:40 14:50 15:00 19:10 19:20 19:30 19:30 19:50 20:00 20:10 20:20 20:30 20:30 20:50 21:00	0 0 3.6 7 3 4.3 0.1 0 0 0	0.00 0.00 0.00 21.60 42.00 18.00 25.80 0.60 0.00 0.00 0.00 0.00 0.00 0.00 0	0.0000 0.0000 0.0000 0.7837 1.8510 0.6153 0.9998 0.0087 0.0000 0.0000 0.0000 0.0000 0.0000				: MJ·movi		
	14:30 14:40 14:50 15:00 19:10 19:20 19:30 19:40 19:50 20:00 20:10 20:20 20:30 20:40 20:50 21:10	0 0 3.6 7 3 4.3 0.1 0 0 0 0 0 0 0 0.1 0.1	0.00 0.00 0.00 21.60 42.00 18.00 25.80 0.60 0.00 0.00 0.00 0.00 0.00 0.60 0.60 0.60 0.60	0.0000 0.0000 0.0000 0.7837 1.8510 0.6153 0.9938 0.0037 0.0000 0.0000 0.0000 0.0000 0.0000 0.0087 0.0087 0.0087				: MJ·movi		
	14:30 14:40 14:50 15:00 19:10 19:20 19:30 19:40 19:50 20:10 20:20 20:30 20:40 20:30 20:40 20:30 21:10 21:20	0 0 3.6 7 3 4.3 0.1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0.00 0.00 0.00 21.60 42.00 18.00 25.80 0.60 0.00 0.00 0.00 0.00 0.00 0.00 0	0.0000 0.0000 0.0000 0.7837 1.8510 0.6153 0.9938 0.0037 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0007 0.0087 0.0087 0.0087				: MJ·movi		
	14:30 14:40 14:50 15:00 19:10 19:20 19:30 19:50 20:00 20:10 20:20 20:30 20:30 20:50 21:00 21:10 21:20 21:30	0 0 3.6 7 3 4.3 0.1 0 0 0 0 0.1 0.1 0.1 0.1 0.1	0.00 0.00 0.00 21.60 42.00 18.00 25.80 0.60 0.00 0.00 0.00 0.00 0.00 0.00 0	0.0000 0.0000 0.7837 1.8510 0.6153 0.9933 0.0037 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0007 0.0087 0.0087 0.0087				: MJ·movi		
	14:30 14:40 14:50 15:00 19:10 19:20 19:30 19:40 19:50 20:00 20:10 20:20 20:30 20:30 20:30 20:50 21:00 21:20 21:30 21:40	0 0 3.6 7 3 4.3 0.1 0 0 0 0 0.1 0.1 0.1 0.1 0.1 0.1 0.1	0.00 0.00 0.00 21.60 42.00 18.00 25.80 0.60 0.00 0.00 0.00 0.00 0.00 0.60 0.60 0.60 0.60 0.60 0.60 0.60	0.0000 0.0000 0.7837 1.8510 0.6153 0.9938 0.0087 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0007 0.0087 0.0087 0.0087 0.0087 0.0087 0.0087 0.0087				: MJ·movi		
	14:30 14:40 14:50 15:00 19:10 19:20 19:30 19:50 20:00 20:10 20:20 20:30 20:30 20:50 21:00 21:10 21:20 21:30	0 0 3.6 7 3 4.3 0.1 0 0 0 0 0.1 0.1 0.1 0.1 0.1	0.00 0.00 0.00 21.60 42.00 18.00 25.80 0.60 0.00 0.00 0.00 0.00 0.00 0.00 0	0.0000 0.0000 0.7837 1.8510 0.6153 0.9933 0.0037 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0007 0.0087 0.0087 0.0087	· · · · ·			: MJ·movi		

Table-A5.9 R Factor Computation for Micro River Basins in Tibagi River Basin

Paz Micro River Basin LARANJEIRAS DO SUL R Factor (MJ mm/ha hr) Discharge (m3/s) SS Con Sediment Soil Loss Date 25-Feb 26-Feb 27-Feb Rain (mm) Day 1 (kg/day) (g/m3) (kg/ha) 23456789 437.8 1671.8 878.8 274.5 26.67 0.0 0.190 26.67 143.33 88.33 33.34 16.00 61.33 8.67 125.2 11.4 18.0 5.5 2492.9 227.0 0.0 28-Feb 1-Mar 0.135 0.095 2-Mar 0.0 141.4 18057.9 0.0 0.0 0.0 7.1 906.9 6.8 53.0 79.1 5977.2 335.6 3-Mar 4-Mar 1.128 5-Mar 0.448 6-Mar 7-Mar 10 11 0.281 18.67 21.00 453.3 442.7 0.244 7.00 0.246 7.33 0.266 9.33 total suspended sediment (kg)= suspended sediment yield (kg/ha)= Sediment Delivery Ratio= 8-Mar 9-Mar 12 0.0 214.4 10112.9 13 0.0 11.49 0.0005 20919.2 =Soi!Loss K factor Soil SSCon.: Suspended Sediment Concentration Suspended sediment induced by rainfall incident during the measurement Daily rainfall is taken from 9 am to 9 am in next day. Area (ha) 176 K factor 0.017 TRe 0.021 440 Ca u 264 0.007 For example March 1 means 9 am on March 1 to 9 am on March 2. LS factor Area (ha) 44.0 439.9 S factor 0.84 3.19 Bela 0.891 L factor 5.554 5.666 Slope (%) 7.5 .ength (m) 400 m 0.592 22.5 37.5 350 1.687 0.628 300 1.687 395.9 5.40 0.453 3.299 C factor (Soil Loss Ratio) Use Area (ha) Corn 189.4 SLR 0.3900 BeanWeed 48 2 0.0110 Permanent 0.0060 pasture 490.2 42.1 75.3 Forest 0.0030 Fallow P factor Use Ρ 0.7 crocs non-crops 1 KLSCP factors (using described landscape K LS C (SLR) 0.018 4.653 0.313 0.020 18.062 0.313 0.020 18.062 0.313 0.020 18.062 0.005 units) P area (ha) 44.0 193.6 246.3 KLSCF 0.7 0.01870 0.07786 0.7 1 0.032 17.80994 0.005 0.00294 335.9 area wohld, avg = 0.01991 Source: IAPAR for Rainfall EMATER for Agricultural Data ESPAR (Roloff) for USLE Factors

Table-A5.10 Soil Loss and Sediment Delivery Ratio (Paz)

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Table-A5.11 Soil Loss and Sediment Delivery Ratio (Areiao)

		LARANJEIRAS D	OSUL	;				
		R Factor		Discharge	SS Con.	Sediment	Soil Loss	
Date	Day	(MV-mm/ha.hz)	Rain (mm)	(m3/s)	(g/m3)	(kg/day)	(ko/ha)	
25-Feb	1						0.0	
26-Feb	2				-		0.0	
27-Feb	3			0.346	16.67	498.3	0.0	
28-Feb	4	125-2	180	0.343	38.67	1146.0	5875.0	
1-Mar	5	15.4	5.5	0 289	25.34	631.5	516.7	
2-Mar	6			0.234	12.00	242.6	0.0	
3-Mar	7	7.1	6.8		5.67	68.6	321.8	
4-Mar	8	906.9	53.0		137.42	5699.1	41107.7	
			33.0	0.400	1.00	22.1	0.0	
5-Mar	9							
6-Mar	10	1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 -		0 277	16.44	393.3	0.0	· · · ·
7-Mar	11	1997 - A.		0 346	8.33	249.0	0.0	
8-Mar	12			0.302	3.67	95.8	0.0	
9-Mar	13			0.314	10.00	271.3	0.0	
		1. Sec. 1. Sec	ta	tal suspended s	sediment (kg)=	8452.3	0.0	
		•	susp	ended sedimeni	t yield (ko/ha)=	5.93	47621.3	=SoilLoss
	· · · · .			Sediment (Delivery Ratio=	0.0001		
C factor			SSCon.:	Suspended S	ediment Concer	tration		
Soil	Area (ha)	K factor	· [-]				dent during the i	measurement
TRe	463	0.017			taken from 9 a			
Ca	519	0.021					1 to 9 am on M	arch 2
Li	301	0.037	·* *	an example i				
total=	1283	0.031						2 -
(O(3)=	1203						· · ·	
LS factor			1 12 4 1	0-1-		1 fastad	-	
Stope (%)	Area (ha)	Stactor	Length (m)	Beta	<u>/////////////////////////////////////</u>	L factor		
7.5	266.0	0.84	400	0.891	0.641	6.391		
22.5	472.0	3.19	350	1.687	0.628	5.666		
7.5	215.0		24	0.891	0.471	1.040		
22.5	96.0		18	1.687	0.628	0.879		
37.5	225.0	5.40	300	1.687	0.458	3.299		·,
50	151.0	7.01	250	0.891	0.308	2.112	1	1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 -
							-	
total=	1425.0						-	
total=	1425.0						-	
total= C factor (Soll L							_	·
	oss Ratio)						<u> </u>	
C factor (Soll L Use	oss Ratio) Area (ha)	SLR	araan ka aan a dib. Marika a Amerika					-
C factor (Soll L Use Corn	oss Ratio) Area (ha) 630.0	SLR 0.3850	a mara - ka mara - 4 k - 4 ka - 4 k				-	::::::::::::::::::::::::::::::::::::
<mark>C factor (Soll L</mark> Use Corn Soybean	oss Ratio) Area (ha) 630.0 120.0	SLR 0.3850 0.3650					<u>-</u>	:', ''
<mark>C factor (Soll L</mark> Use Corn Soybean BeanWeed	oss Ratio) Area (ha) 630.0 120.0 46.0	SLR 0.3850 0.3650 0.0110						۰ ۱ ۱۹۰۶ ک
C factor (Soll L Use Corn Soybean BeanWeed Rice	oss Ratio) Area (ha) 630.0 120.0 46.0 15.0	SLR 0.3850 0.3650 0.0110 0.4200					<u>-</u>	
C factor (Soll L Use Com Soybean BeanWeed Rice Cassava	oss Ratio) Area (ha) 630.0 120.0 46.0 15.0 48.0	SLR 0.3850 0.3650 0.0110 0.4200 0.4400					-	
C factor (Soll L Use Com Soybean BeanWeed Rice Cassava P. pasture	oss Ratio) Area (ha) 630.0 120.0 46.0 15.0 48.0 300.0	SLR 0.3850 0.3650 0.0110 0.4200 0.4400 0.0060					-	
C factor (Soll L Use Corn Soybean BeanWeed Rice Cassava P. pasture Forest	oss Ratio) Area (ha) 630.0 120.0 46.0 15.0 48.0 300.0 84.0	SLR 0.3850 0.3650 0.0110 0.4200 0.4400 0.0060 0.0060 0.0001					-	
C factor (Soll L Use Corn Soybean BeanWeed Rice Cassava P. pasture Forest Fallow	orss Ratio) Area (ha) 630 0 120.0 46.0 15.0 48.0 300.0 84.0 130.0	SLR 0.3850 0.3650 0.0110 0.4200 0.4400 0.0060						
C factor (Soll L Use Corn Soybean BeanWeed Rice Cassava P. pasture Forest	oss Ratio) Area (ha) 630.0 120.0 46.0 15.0 48.0 300.0 84.0	SLR 0.3850 0.3650 0.0110 0.4200 0.4400 0.0060 0.0060 0.0001					-	
C factor (Soll L Use Corn Soybean BeanWeed Rice Cassava P. pasture Forest Fallow	orss Ratio) Area (ha) 630 0 120.0 46.0 15.0 48.0 300.0 84.0 130.0	SLR 0.3850 0.3650 0.0110 0.4200 0.4400 0.0060 0.0060 0.0001						
C factor (Soll L Use Corn Soybean BeanWeed Rice Cassava P. pasture Forest Fallow	orss Ratio) Area (ha) 630 0 120.0 46.0 15.0 48.0 300.0 84.0 130.0	SLR 0.3850 0.3650 0.0110 0.4200 0.4400 0.0060 0.0060 0.0001						
C factor (Soll L Use Corn Soybean BeanWeed Rice Cassava P. pasture Forest Fallow total=	orss Ratio) Area (ha) 630 0 120.0 46.0 15.0 48.0 300.0 84.0 130.0	SLR 0.3850 0.3650 0.0110 0.4200 0.4400 0.0060 0.0060 0.0001						
C factor (Soll L Use Corn Soybean BeanWeed Rice Cassava P pasture Forest Fallow total= P factor Practice	oss Ratio) Ares (ha) 630.0 120.0 46.0 15.0 48.0 300.0 84.0 130.0 1373.0	SLR 0 3850 0 3650 0 0110 0 4200 0 4400 0 0060 0 0001 0 0001 0 00030						
C factor (Soll L Use Corn Soybean BeanWeed Rice Cassava P pasture Forest Failow total= P factor Practice tenaces	oss Ratio) Ares (ha) 630 0 120.0 46 0 15 0 48 0 300.0 130 0 130 0 1373 0 Area (ha) 215 0	SLR 0.3850 0.3650 0.0110 0.4200 0.4400 0.0060 0.0001 0.0030 P 0.005						
C factor (Soll L Use Corn Soybean Bean/Weed Rice Cassava P. pasture Forest Failow total= P factor Practice tenaces stone li.	oss Ratio) Ares (ha) 630 0 120.0 46 0 15 0 48 0 300.0 84.0 130.0 1373 0 Area (ha) 215.0 96 0	SLR 0.3850 0.3650 0.0110 0.4200 0.4400 0.0060 0.0001 0.0030 P 0.005 0.45						
C factor (Soll L Use Corn Soybean BeanWeed Rice Cassava P.pasture Forest Failow totat= P factor Practice tenaces stone li. none	055 Ratio) Area (ha) 630 0 120.0 46 0 150 48 0 300.0 84.0 130.0 1373 0 Area (ha) 215.0 96.0 972	SLR 0.3850 0.3650 0.0110 0.4200 0.4400 0.0060 0.0001 0.0030 P 0.005 0.45 1						
C factor (Soll L Use Corn Soybean BeanWeed Rice Cassava P.pasture Forest Failow totat= P factor Practice tenaces stone li. none	oss Ratio) Ares (ha) 630 0 120.0 46 0 15 0 48 0 300.0 84.0 130.0 1373 0 Area (ha) 215.0 96 0	SLR 0.3850 0.3650 0.0110 0.4200 0.4400 0.0060 0.0001 0.0030 P 0.005 0.45 1						
C factor (Soll L Use Corn Soybean BeanWeed Rice Cassava P.pasture Forest Failow totat= P factor Practice tenaces stone li. none	055 Ratio) Area (ha) 630 0 120.0 46 0 150 48 0 300.0 84.0 130.0 1373 0 Area (ha) 215.0 96.0 972	SLR 0.3850 0.3650 0.0110 0.4200 0.4400 0.0060 0.0001 0.0030 P 0.005 0.45 1						
C factor (Soll L Use Corn Soybean BeanWeed Rice Cassava P. pasture Forest Failow total= P factor Practice tenaces stone li. none area w	oss Ratio; Area (ha) 630.0 120.0 46.0 150 48.0 300.0 84.0 130.0 1373.0 Area (ha) 215.0 96.0 972 ghtd avg =	SLR 0.3850 0.3650 0.0110 0.4200 0.4200 0.0060 0.0001 0.0030 P 0.0030 P 0.005 0.45 1 1 0.80						
C factor (Soll L Use Corn Soybean BeanWeed Rice Cassava P. pasture Forest Failow total= P factor Practice tenaces stone li. none area w KLSCP factor	oss Ratio; Area (ha) 630.0 120.0 46.0 150 48.0 300.0 84.0 130.0 1373.0 Area (ha) 215.0 96.0 972 ghtd avg = (using de	SLR 0.3850 0.3650 0.0110 0.4200 0.4200 0.0060 0.0001 0.0030 P 0.005 0.45 1 0.80 scribed landscap			······································			
C factor (Soll L Use Corn Soybean BeanWeed Rice Cassava P. pasture Forest Failow total= P factor Practice tenaces stone li. none area w KLSCP factor	oss Ratio) Area (ha) 630.0 120.0 46.0 15.0 48.0 130.0 1373.0 Area (ha) 215.0 96.0 972 ghtd avg = (using de LS	SLR 0.3850 0.3650 0.0110 0.4200 0.4200 0.0060 0.0001 0.0030 P 0.0030 P 0.005 0.45 1 1 0.80	e units) P	KLSCP	area (ħa)			
C factor (Soll L Use Corn Soybean BeanWeed Rice Cassava P. pasture Forest Failow total= P factor Practice tenaces stone li. none area w KLSCP factor	oss Ratio; Area (ha) 630.0 120.0 46.0 150 48.0 300.0 84.0 130.0 1373.0 Area (ha) 215.0 96.0 972 ghtd avg = (using de	SLR 0.3850 0.3650 0.0110 0.4200 0.4200 0.0060 0.0001 0.0030 P 0.005 0.45 1 0.80 scribed landscap			······································			
C factor (Soll L Use Corn Soybean BeanWeed Rice Cassava P. pasture Forest Failow total= P factor Practice tenaces stone li. none area w KLSCP factor	oss Ratio) Area (ha) 630.0 120.0 46.0 15.0 48.0 130.0 1373.0 Area (ha) 215.0 96.0 972 ghtd avg = ; (using de LS	SLR 0.3850 0.3650 0.0110 0.4200 0.4200 0.0060 0.0001 0.0030 P 0.005 0.45 1 0.80 scribed landscap C	P	KLSCP	area (ħa)			
C factor (Soll L Use Corn Soybean BeanWeed Rice Cassava P pasture Forest Fallow total= P factor Practice tenaces store li. none area w KLSCP factors K 0.0183	Area (ha) 630.0 120.0 46.0 15.0 48.0 300.0 84.0 130.0 1373.0 Area (ha) 215.0 96.0 972 rghtd avg = : (using de LS 3 3502	SLR 0.3850 0.3650 0.0110 0.4200 0.4400 0.0060 0.0001 0.0030 P 0.005 0.45 1 0.80 scribed landscap C 0.3659	P 0.5754	<u>KLSCP</u> 0.0129	area (ha) 481			
C factor (Soll L Use Corn Soybean BeanWeed Rice Cassava P pasture Forest Fallow total= P factor Practice tenaces stone li. none area w KLSCP factors K 0.0183 0.0240	oss Ratio) Area (ha) 630.0 120.0 46.0 150.0 48.0 300.0 84.0 130.0 1373.0 Area (ha) 215.0 96.0 972 rghtd avg = (using de LS) 3.3502 15.4830 17.8099	SLR 0.3850 0.3650 0.0110 0.4200 0.4200 0.0060 0.0001 0.0030 P 0.005 0.45 1 0.80 scribed landscap C 0.3659 0.3020	P 0.5754 0.9070	KLSCP 0.0129 0.1018 0.0024	area (ha) 431 568			
C factor (Soll L Use Corn Soybean BeanWeed Rice Cassava P.pasture Forest Failow total= P factor Practice tenaces stone li. none area w KLSCP factorn K 0.0183 0.0240 0.0317	Area (ha) Galo 460 120.0 460 150 48.0 300.0 300.0 137.30 Area (ha) 215.0 96.0 972 rghtd avg = 1000000000000000000000000000000000000	SLR 0.3850 0.3650 0.0110 0.4200 0.4400 0.0060 0.0001 0.0030 P 0.065 0.45 1 0.80 scribed landscap C 0.3659 0.3659 0.3020 0.0043 0.0001	P 0.5754 0.9070 1.0000	KLSCP 0.0129 0.1018 0.0024 0.0001	area (ha) 431 568 225			

Source: IAPAR for Rainfall EMATER for Agricultural Data ESPAR (Roloff) for USLE Factors

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Date	Day	LARANJERASE R Factor (MJ-mm/ba hr)	DO SUL Rain (mm)	Discharge	00 Coo (alm?)	Sediment	Soil Loss	
25-Feb	1	Tana Uniterse 163	roat (ning	(m3/s)	SS Con. (g/m3)	(kg/day)	(kg/ha)	- -
26-Feb	2						0.0	
27-Feb	3						0.0	
28-Feb	4	125.2		0.440	(10 ⁻ 00)		0.0	
1-Mar	5	11.4	18.0	0.119	118.33	1216.6	18.8	
2-Mar	6	11.4	5.5	0.101	60.17	526.6	1.7	
3-Mar	7	7.1	6.8	0.084 0.073	2.00	14.4	0.0	
3-mai 4-Mar	8	906.9	53.0		4.33	27.4	1.1	
5-Mar	9	500.3	33.0	0.040	14.00	48.4	136.1	
6-Mar	10			0.085	8.33	61.2	0.0	
7-Mar	11		1.	0.087	47.67	358.3	0.0	
8-Mar	12		· · ·	0.083	12.67	90.9	0.0	
9-Mar	13			0.067	5.00	28.9	0.0	
10-Mar	14			0.024	5.33	11.1	0.0	
10-364	14			0.031	4.67	12.5	0.0	-
				•	d sediment (kg)=	2383.8		
			susp		ent yield (kg/ha)=	1.77	157.6	=Soil L
					t Delivery Ratio=	0.011		
K factor			· · · · · · · · · · · · · · · · · · ·		Sediment Concentra			
Soil	Acres (hel)	If fastes			ediment induced by		-	asureme
LRd	Area (ha) 1350	K factor			s laken from 9 am t			
	1,000	0.012		For example i	March 1 means 9 a:	n on March 1 to	9 an on Maro	h 2.
LS factor		·						
Slope (%)*	Area (%)	S factor	Length (m)	Bela	m	L factor		
15 typical values	100.0	1.99	500	1.366	0.406	3.546	•	
C factor								
C factor Use	Clactor	Area (%)*						
Use	C factor	Area (%)*			· .			
Use Forest	0.0001	70			• .			
Use Forest Fallow	0.0001 0.0030	70 20			· .			
Use Forest Fallow Crepland	0.0001 0.0030 0.0110	70			•			
Use Forest Fallow	0.0001 0.0030	70 20			• .			
Use Forest Fallow Cropland avg = estimated values	0.0001 0.0030 0.0110	70 20			· .			
Use Forest Fallow Cropland avg = estimated values P factor	0.0001 0.0030 0.0110	70 20			· .			
Use Forest Fallow Cropland avg = estimated values	0.0001 0.0030 0.0110	70 20			· · ·			
Use Forest Fallow Cropland avg = estimated values P factor	0.0001 0.0030 0.0110	70 20			· · ·			
Use Forest Fallow Cropland avg = estimated values P factor	0.0001 0.0030 0.0110 0.0018	70 20			· .			·
Use Forest Fallow Cropland avg = estimated values P factor	0.0001 0.0030 0.0110 0.0018	70 20 10			· · ·			
Use Forest Fallow Cropland avg = estimated values P factor	0.0001 0.0030 0.0110 0.0018	70 20 10 VAPAR for Rainfall	cultural Oata		· · ·			
Use Forest Fallow Cropland avg = estimated values P factor	0.0001 0.0030 0.0110 0.0018	70 20 10 VAPAR for Rainfall EMATER for Agric	cultural Oata			· · · · · · · · · · · · · · · · · · ·		
Use Forest Fallow Cropland avg = estimated values P factor	0.0001 0.0030 0.0110 0.0018	70 20 10 VAPAR for Rainfall EMATER for Agric	cultural Oata		· · ·	· ·		
Use Forest Fallow Cropland avg = estimated values P factor	0.0001 0.0030 0.0110 0.0018	70 20 10 VAPAR for Rainfall EMATER for Agric	cultural Oata	· · ·	· . ·			
Use Forest Fallow Cropland avg = estimated values P factor	0.0001 0.0030 0.0110 0.0018	70 20 10 VAPAR for Rainfall EMATER for Agric	cultural Oata	· ·	· · ·	· · ·		
Use Forest Fallow Cropland avg = estimated values P factor	0.0001 0.0030 0.0110 0.0018	70 20 10 VAPAR for Rainfall EMATER for Agric	cultural Oata	· · ·		•		
Use Forest Fallow Cropland avg = estimated values P factor	0.0001 0.0030 0.0110 0.0018	70 20 10 VAPAR for Rainfall EMATER for Agric	cultural Oata	· · · · ·		· · · · · · · · · · · · · · · · · · ·		
Use Forest Fallow Cropland avg = estimated values P factor	0.0001 0.0030 0.0110 0.0018	70 20 10 VAPAR for Rainfall EMATER for Agric	cultural Oata					

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Table-A5.12 Soil Loss and Sediment Delivery Ratio (Cachoeirinha)



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Table-A5.13 Soil Loss and Sediment Delivery Ratio (Limoeiro)	Table-A5.13 Soil Loss and	d Sediment Delivery	Ratio (Limoeiro)
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		Londrina R Factor		Discharge	SS Con	Sediment	Soil Loss	
Date	Day	(MJ mm/ha hr)	Rain (mm)	(m3/s)	(9/m3)	(kg/day)	(kg/ha)	_
14-Feb	6	0.0	7.2	0.113	24.75	241.6	0.0	
15-Feb	7	0.0	0.0	0.128	11.98	132.5	0.0	
16-Feb	8	0.0	0.0	0.089	34.48	263.6	0.0	
17-Feb	9	308.2	27.9	0.049	56.98	241.2	1625.3	
18-Feb	10	169.6	25.0	0.077	16.67	111.3	894.5	
19-Feb	11			0.111	63.39	607.9	0.0	· · · ·
20-Feb	12	0.0	0.5	0.085	40.04	294.1	0.0	
21-Feb	13	13.4	7.4	0.067	19.86	115.0	70.7	
22-Feb	14	0.0	0.0	0.070	17.71	107.1	0.0	
23-Feb	15	0.0	0.4	0.088	14.93	113.5	0.0	
24-Feb	16	0.0	3.3	0.063	6.61	36.0	0.0	
				al suspended a		1590.1		
		· · · · ·		nded sediment		1.7	2590.5	=Soil Loss
					elivery Ratio=	0.0006		000 2000
factor				000110772		0.0000		
Soil	Area (%)	K factor	SSCon	Susrended Sa	ediment Concer	notication		
LRe	50.2	0.018		•	diment induced		leat during the	measurement
TRe	29.6	0.013		•	taken from 9 a	•		angungi Cilichil
Re	29.6 10.1	0.032			larch 1 means (•	larah 3
				FOI EXAMPLE N	iorum a means (≥ onn un Maion	HO S GIR ON M	arun 2.
8	10.1	0.044		•		÷.,		
area w	ghtd. avg.≃	0.022						÷
LS factor				0-4-			-	
Slope (%)	Area (%)	Stactor	Length (m)	Beta	 	L factor	-	
1.5	18.1	0.19	80	0 252	0.335	1.539		
5	28.1	0 57	31	0.669	0.572	1.214		
10.5	36.6	1.25	21	1,108	0.689	0.965		
21.5	17.2	3.03	394	1.650	0.623	6.013	•	÷
area w	phtol avg =	1.18	98.65			2.01		:
						•		1. S.
factor (Soil							$(f_{A}) = f_{A}$	
Use	Area (%)	<u>SLR</u>						
soybean	63.8	0.017	•					
cotton	15.1	0 2 1 9				-	•	
corn	1.7	0.433					•	
pasture	4.3	0.010						÷.,
forest	15.1	0.0001						
area w	hid avg.=	0.05						
						•		
factor								
Use	Area (%)	P						
crops	80.6	0.12						
non-crops	19.4	1						
	phid avg.=	0 29						
•								. '
LSCP factor	rs (usino li	kely combination	s)					
к	LS	C	P	KLSCP	area (%)			
0.018	0.834	0.064	0.120	0.006	82.8			
0.038	18 226	0.002	1.000	0.042	17.2			
0.000	10 220		wghtd, avg =	0.042	17.4			
		area	angatu, av y ≖	0 0005				
	Source;	IAPAR for Rainfal						
		EMATER for Agri						
		ESPAR (Roioff) fo	x USLE Facto	rs -				

÷¢.

Uru Micro River Basin

Date	Day	Londrina R Factor (MJ·mm/ha·hr)	Rain (mm)	Discharge (m3/s)	SS Con. (g/m3)	Sediment (kg/day)	Soil Loss (kg/ha)	
15-Feb	7			0.095	0.5	3.7	0.0	
16-Feb	8			0.338	202.3	5907.5	0.0	
17-Feb	9	308.2	27.9	0.581	404.1	20286.7	517.1	
18-Feb	10	169.6	25.0	0.039	55.7	187.7	284.6	
19-Feb	11	· ·		0.105	3.2	29.1	0.0	
20-Feb	12	0.0	0.5	0.069	3.6	21.6	0.0	
21-Feb	13	13.4	7.4	0.055	19.3	91.8	22.5	
22-Feb	14	· ·		0.061	7.3	38.4	0.0	
23-Feb	15	0.0	0.4	0.026	44.3	99.6	0.0	
24-Feb	16	0.0	3.3	0.019	4.7	7.7	0.0	
25-Feb	17	0.0	3.3	0.041	7.3	25.7	0.0	
				al suspended s				_
Klactor	فبيجد محمد وأباح		suspe	nded sediment			824.24	≖Soil Loss
Soil	Area (%)	K factor		Sediment D	elivery Ratio=	0.0277		
LRe	29.9	0.018	SSCon.:	Suspended Se	diment Conce	ntration		
TRe	34.7	0.017	[]	Suspended sec	diment Induced	by rainfall incid	ent during the	measurement
Re	19	0.032	· • • • • • • • • • • • • • • • • • • •	Daily rainfall is	taken from 9 a	m to 9 am in ne	xt day.	
С	16.5	0.042		For example M	arch 1 means	9 am on March	1 lo 9 am on N	larch 2

LS factor

Slope (%)	Area (%)	S factor	Length (m)	Beta	m	L factor
4	15.6	0.46	36	0.566	0.531	1.296
10.5	47.9	1.25	21.45	1.108	0.689	0.980
21.5	20.4	3.03	400	1.108	0.356	2.807
30	16.1	4.33	300	1.650	0.452	3.252
area v	vghtd. avg =	1,99				1.77

C factor (Soil Loss Ratio)

Use	Area (%)	SLR
soybean	56.2	0.359
com	6.5	0.704
cotton	1.9	0.222
pasture	35.4	0.010

Practor			
Use	Area (%)	Р	
crops	63.5	0.05	
non-crops	36.5	1	

KLSCP factors (using likely combinations)

к	LS	¢	P	KLSCP	area (%)
0.017	1.074	0.355	0.050	0.00033	63.5
0.037	10.963	0.010	1.000	0.00402	36.5
		(area	a wyhid, avg.)=	0.00168	

Source: IAPAR for Rainfall EMATER for Agricultural Data ESPAR (Roloff) for USLE Factors

	River Basi							
· · · · · · · · · · · · · · · · · · ·		Londrina		D'		Sediment	Soil Loss	
Date	Day	R Factor (MJ·mm/ha·hr)	Rain (mm)	Discharge (m3/s)	SS Con. (g/m3)	Segiment (kg/day)	(kg/ha)	
16-Feb	8	(0.0059	14.6	7.4	0.00	- · ·
17-Feb	9	308.2	27.9	0.0021	12.2	2.2	18.14	
18-Feb	10	169.6	25.0	0.0012	57.8	6.0	9 98	
19-Feb	11			0.0018	14.0	2.2	0.00	
20-Feb	12	0.0	0.5	0.0012	10.6	1.1	0.00	
21-Feb	13	13.4	7.4	0.0005	12.7	0.6	0.79	· .
22-Feb	14			0.0089	50.7	39.0	0.00	
23-Feb	15	0.0	0.4	0.0095	9,5	7.8	0.00	1.
24-Feb	16	0.0	33	0.0092	5.2	42	J 0.00	e e je
24-1 20		L			d sediment (kg)=	58.8		-
		4. S.			ent yield (kg/ha)=	0.68	28.92	=Soil Loss
	1997 - 19		503	• ·		0.0237	29.92	-301 L033
		· · · · ·		Securior	t Delivery Ratio=	0.0237		
K factor				0		N		
Soil	Area (%)	Kfactor		-	ediment Concentra			
Re	40	0.015		•	diment induced by		· -	neasurement
BR	30	0.044		-	taken from 9 am t		-	
TE	30	0.020		For example N	larch 1 means 9 ai	n on March 1 l	o y am on M	alch Z.
area	wghld, avg,≠	0.025		•				
			1.			· · ·		
LS factor							÷	
Slope (%)	Area (ha)	S factor		Length* (m)	L factor			
18	26	2.48		215				· · ·
33	9.8	4.76					· · ·	
58	27	7.71	Befa=	2.390	· -		.`	
100	23	11.38						
area weight	led average=	6.77	<i>m</i> =	0.544	3.45			
	•	0.11	14+	0,044				
	•		111-	iiii		- - -	· · ·	
	·		111-	* typical value		- 		
	-		111-	iiii				
	·		111-	iiii	J.4J			
G factor			111-	iiii	<u></u>			
C factor 0.0001			117*	iiii				
	- - -			iiii	<u>, 4</u>			
	- - -			iiii	<u>, 4</u>			
0.0001				iiii				
0.0001 P factor			117-	iiii				
0.0001 P factor		: IAPAR for Rainf		iiii				
0.0001 P factor			att	iiii				
0.0001 P factor		: IAPAR for Rainf	all ricultural Data	• typical value				
0.0001 P factor		: IAPAR for Rainf EMATER for Ag	all ricultural Data	• typical value				
0.0001 P factor		: IAPAR for Rainf EMATER for Ag	all ricultural Data	• typical value				
0.0001 P factor		: IAPAR for Rainf EMATER for Ag	all ricultural Data	• typical value				
0.0001 P factor		: IAPAR for Rainf EMATER for Ag	all ricultural Data	• typical value	3.43			

Table-A5.15 Soil Loss and Sediment Delivery Ratio (Godoy)

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