

ELECTRONIC SUPPLEMENTARY MATERIAL

List of electronic supplementary material

Table

Fig. A – Land use classification in the river São Francisco watershed (Santa Maria island) from LANDSAT 7 imagery interpretation (modified from DROTRH 2007).

Fig. B – Land use classification in the river Ribeira Grande watershed (São Miguel island) from LANDSAT 7 imagery interpretation (modified from DROTRH 2007).

Fig. C – Land use classification in the river Ribeira Quente watershed (São Miguel island) from LANDSAT 7 imagery interpretation (modified from DROTRH 2007).

Fig. D – Land use classification in the river Ribeira Grande watershed (Flores island) from LANDSAT 7 imagery interpretation (modified from DROTRH 2007).

Fig. E – Land use classification in the river Ribeira Seca watershed (Flores island) from LANDSAT 7 imagery interpretation (modified from DROTRH 2007).

Table 2 - Water chemistry statistical data for the studied rivers (full explanation on the methodology section).

Island	River	Reference		Temp °C	pH	Cond µS/cm	SSt mg/L	Diss Oxygen % saturation	BOD ₅ mg O ₂ /L	CQO mg O ₂ /L	Ammonia µg NH ₄ /L	Nitrite µg NO ₂ /L	Nitrate mg NO ₃ /L	Chloride mg Cl/L	Sulfate mg SO ₄ /L	Sodium mg Na/L	RSP µg P/L	TP µg P/L	TIP µg P/L
Sta Maria	Ribeira de São Francisco	RSF1	Average	15,20	6,90	290,00	4,00	61,00	1,00	8,00	19,00	17,00	1,90	63,00	13,00	---	38,84	33,00	23,00
			Max.	15,20	6,90	290,00	4,00	61,00	1,00	8,00	19,00	17,00	1,90	63,00	13,00	---	38,84	33,00	23,00
			Min.	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
			Median	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
		RSF2	Average	18,66	8,17	332,88	17,00	104,68	1,73	7,57	23,00	15,79	3,77	63,57	12,48	40,33	30,49	76,38	65,50
			Max.	22,30	8,50	389,00	30,00	121,90	4,80	12,00	35,00	33,00	6,10	73,00	20,00	47,00	82,92	260,00	248,00
			Min.	15,40	7,90	233,00	3,00	83,00	0,70	3,00	20,00	3,60	0,40	51,00	5,10	35,00	8,29	19,00	15,00
			Median	18,20	8,21	339,00	17,50	103,10	1,25	9,00	20,00	9,40	4,70	66,00	11,50	39,00	20,73	33,50	34,50
		RSF3	Average	19,40	7,97	816,33	41,33	93,67	1,75	12,00	140,67	196,67	7,70	160,00	50,67	---	248,76	163,67	110,00
			Max.	22,60	8,10	1208,00	88,00	106,00	2,40	17,00	280,00	340,00	8,40	243,00	65,00	---	248,76	270,00	180,00
			Min.	17,40	7,80	520,00	5,00	79,00	1,10	4,00	54,00	53,00	7,00	99,00	40,00	---	248,76	27,00	40,00
			Median	18,20	8,00	721,00	31,00	96,00	1,75	15,00	88,00	197,00	7,70	138,00	47,00	---	248,76	194,00	110,00
Ribeira Grande	Ribeira Grande	RGd1	Average	14,82	6,16	138,56	7,17	100,01	1,50	4,00	26,67	3,97	1,10	12,56	3,98	29,40	21,88	39,20	36,40
			Max.	17,60	7,69	258,00	13,00	111,30	3,00	5,00	40,00	7,00	2,00	15,00	8,10	43,00	39,71	60,00	59,00
			Min.	12,60	5,71	2,62	3,00	92,00	0,50	3,00	20,00	2,60	0,30	10,00	1,90	19,00	7,42	20,00	19,00
			Median	14,90	6,00	134,00	7,00	99,50	1,20	4,00	20,00	3,30	1,10	13,00	3,65	23,00	21,82	40,50	36,50
		RGd2	Average	16,70	7,97	291,40	29,71	103,47	1,66	4,20	23,33	5,34	1,43	17,44	7,15	63,20	43,07	79,56	66,70
			Max.	20,10	8,30	398,00	136,00	117,50	3,00	8,00	30,00	8,70	3,60	29,00	12,00	70,00	58,04	136,00	126,00
			Min.	13,00	7,42	39,00	3,00	91,70	0,50	3,00	20,00	2,60	0,90	13,00	5,70	54,00	24,44	50,00	47,00
			Median	16,75	8,00	329,00	16,00	102,70	1,80	3,00	20,00	4,50	1,20	16,00	7,00	62,00	46,04	64,00	59,50
		RGd3	Average	19,38	8,54	434,10	17,30	99,60	2,56	4,50	102,50	12,95	2,58	54,70	10,44	97,67	62,58	110,10	82,20
			Max.	23,00	9,25	1030,00	49,00	108,00	5,00	10,00	330,00	23,00	3,40	201,00	24,00	194,00	104,74	244,00	117,00
			Min.	15,30	8,00	240,00	3,00	84,70	0,90	3,00	20,00	3,90	2,00	23,00	6,70	53,00	29,68	70,00	60,00
			Median	19,05	8,52	348,50	10,00	99,95	2,40	3,50	70,00	14,50	2,60	26,00	8,10	65,00	58,04	95,00	74,00
	Ribeira Seca	RGd4	Average	16,23	7,15	295,50	57,50	104,87	0,90	3,50	20,00	12,45	1,55	62,80	33,90	50,50	68,81	106,67	90,83
			Max.	18,00	7,73	421,00	154,00	110,10	1,50	4,00	20,00	25,00	1,90	91,00	146,00	72,00	93,39	137,00	121,00
			Min.	13,00	5,58	248,00	8,00	95,00	0,50	3,00	20,00	3,50	1,20	47,00	7,50	42,00	56,73	87,00	71,00
			Median	16,75	7,36	268,50	47,00	106,30	0,90	3,50	20,00	7,95	1,55	60,00	12,00	44,00	61,97	102,00	87,50
		RSec	Average	21,10	8,53	2350,00	44,12	102,75	2,83	14,67	111,75	87,00	2,38	680,50	51,70	---	302,32	455,00	333,50
			Max.	26,70	9,30	7300,00	87,00	118,00	4,00	19,00	207,00	151,00	4,60	2200,00	138,00	---	741,90	1000,00	800,00
			Min.	13,50	7,50	137,00	0,46	95,00	1,90	9,00	20,00	47,00	1,00	20,00	7,80	---	96,01	165,00	82,00
			Median	23,10	8,80	981,50	44,50	99,00	2,70	16,00	110,00	75,00	1,95	251,00	30,50	---	185,69	327,50	226,00
	Ribeira de Pelânes	RPIs	Average	16,60	7,93	206,33	5,00	101,00	1,53	5,67	20,00	22,33	8,10	29,67	8,47	---	106,63	115,00	110,33
			Max.	17,40	8,20	208,00	5,00	102,00	3,00	7,00	20,00	28,00	8,30	30,00	9,50	---	122,20	123,00	118,00
			Min.	15,40	7,50	205,00	5,00	100,00	0,70	5,00	---	12,00	8,00	29,00	7,00	---	92,96	100,00	100,00
			Median	17,00	8,10	206,00	5,00	101,00	0,90	5,00	---	27,00	8,00	30,00	8,90	---	104,74	122,00	113,00
	Ribeira da Salga	RSa	Average	14,63	7,87	120,00	5,00	103,00	1,67	6,00	---	7,80	6,33	15,67	5,87	---	35,49	42,00	41,33
			Max.	17,20	8,10	135,00	5,00	104,00	3,00	8,00	---	10,00	9,00	17,00	7,10	---	44,95	46,00	45,00
			Min.	12,60	7,60	95,00	5,00	102,00	0,60	4,00	---	6,40	3,00	13,00	4,90	---	26,18	40,00	39,00
			Median	14,10	7,90	130,00	5,00	103,00	1,40	6,00	---	7,00	7,00	17,00	5,60	---	35,35	40,00	40,00
	Faial da Terra	RFT1	Average	13,91	7,70	131,50	7,00	101,35	1,10	4,60	26,00	5,50	1,05	15,11	3,00	12,00	46,26	54,10	52,10
			Max.	17,80	8,16	151,00	8,00	116,40	2,10	8,00	50,00	6,00	1,80	17,00	4,80	14,00	54,12	60,00	58,00
			Min.	11,00	6,90	86,00	6,00	92,30	0,50	3,00	20,00	5,00	0,30	12,00	2,30	9,00	31,42	46,00	44,00
			Median	13,70	7,80	138,50	7,00	99,65	1,00	4,00	20,00	5,50	1,05	15,00	2,80	13,00	46,91	55,50	52,00
		RFT2	Average	16,83	8,13	163,40	6,50	104,84	2,33	6,25	22,00	7,50	5,39	19,22	4,49	17,50	54,42	66,70	64,00
			Max.	20,00	9,19	173,00	14,00	116,60	4,70	21,00	30,00	13,00	7,00	21,00	5,30	19,00	75,06	80,00	79,00
			Min.	14,00	7,20	149,00	3,00	95,20	0,70	3,00	10,00	3,30	3,90	18,00	3,80	16,00	37,10	54,00	53,00
			Median	16,25	8,05	164,50	5,00	103,90	2,35	4,50	20,00	7,00	5,00	19,00	4,30	17,50	54,77	64,00	62,00
	Ribeira da Praia	RPr	Average	15,10	7,41	95,40	3,00	99,84	1,78	5,00	15,00	3,30	2,17	13,12	3,08	15,00	47,83	57,80	55,80
			Max.	16,00	7,80	113,00	3,00	107,00	3,00	9,00	20,00	4,10	4,90	14,00	3,80	15,00	56,73	82,00	82,00
			Min.	13,20	6,60	87,00	3,00	97,00	1,00	3,00	10,00	2,50	0,70	11,60	2,20	15,00	38,84	46,00	42,00
			Median	15,60	7,60	94,00	3,00	98,00	1,55	3,00	15,00	3,30	0,90	13,00	3,15	15,00	46,26	55,00	51,00
Ribeira da Praia	RPr	RPr	Average	15,73	7,27	189,67	4,00	105,00	1,87	4,00	10,00	31,73	4,70	17,67	4,23	---	53,68	57,00	56,67
			Max.	17,40	7,50	202,00	4,00	109,00	3,00	4,00	10,00	87,00	5,00	18,00	4,60	---	56,73	60,00	60,00

S. Miguel	Ribeira da Povoação	RPV1	Min.	14,70	7,00	167,00	4,00	102,00	0,60	4,00	---	3,00	4,10	17,00	4,00	---	51,93	54,00	52,00
			Median	15,10	7,30	200,00	4,00	104,00	2,00	4,00	---	5,20	5,00	18,00	4,10	---	52,37	57,00	58,00
			Average	16,63	8,13	177,00	---	102,33	1,40	3,00	---	5,37	9,67	13,60	61,07	---	75,94	108,33	107,33
			Max.	17,60	8,30	194,00	0,00	105,00	2,00	3,00	---	7,00	17,00	18,00	174,00	---	100,37	122,00	122,00
		RPV2	Min.	15,50	7,90	160,00	0,00	99,00	0,40	3,00	---	4,10	6,00	4,80	4,40	---	53,24	93,00	90,00
			Median	16,80	8,20	177,00	---	103,00	1,80	3,00	---	5,00	6,00	18,00	4,80	---	74,19	110,00	110,00
			Average	15,13	8,10	169,33	4,00	102,00	1,70	5,50	21,50	27,67	8,30	19,00	5,73	---	48,73	68,33	59,00
			Max.	17,30	8,20	182,00	5,00	106,00	2,00	6,00	23,00	42,00	9,00	21,00	7,30	---	52,37	80,00	67,00
		RPV3	Min.	13,20	8,00	159,00	3,00	97,00	1,50	5,00	20,00	15,00	7,90	18,00	4,60	---	45,82	53,00	50,00
			Median	14,90	8,10	167,00	4,00	103,00	1,60	5,50	21,50	26,00	8,00	18,00	5,30	---	48,01	72,00	60,00
			Average	17,58	7,58	204,33	4,75	108,78	1,88	4,50	21,33	11,53	5,80	18,67	4,45	18,00	70,55	80,50	71,00
			Max.	19,50	8,16	232,00	9,00	115,00	3,70	7,00	24,00	18,00	7,40	22,00	6,00	20,00	78,55	100,00	86,00
		RPV4	Min.	15,90	7,10	177,00	3,00	104,00	0,60	3,00	20,00	8,60	4,50	17,00	2,80	16,00	52,37	63,00	52,00
			Median	17,75	7,55	200,00	3,50	107,80	1,55	4,00	20,00	10,50	6,00	18,50	4,45	18,00	73,75	77,00	75,00
			Average	15,42	7,72	83,60	---	98,86	1,55	4,25	20,00	2,50	0,55	12,92	3,08	9,00	24,18	28,00	25,60
			Max.	19,90	8,00	99,00	0,00	112,20	2,00	6,00	20,00	2,50	0,60	16,00	4,10	9,00	30,55	33,00	31,00
	Ribeira do Guilherme	RGU1	Min.	11,00	7,50	63,00	0,00	87,10	0,80	3,00	---	2,50	0,50	12,00	2,10	9,00	11,78	20,00	20,00
			Median	14,50	7,70	86,00	---	98,00	1,70	4,00	---	2,50	0,55	12,00	2,90	---	27,49	30,00	27,00
			Average	15,10	7,63	82,25	---	103,30	1,65	4,50	20,00	---	0,60	11,46	2,80	8,60	17,07	23,75	20,38
			Max.	18,40	7,80	103,00	0,00	108,00	2,70	7,00	20,00	0,00	0,60	13,00	4,40	11,00	30,99	37,00	31,00
		RGU2	Min.	11,00	7,30	64,00	0,00	96,20	0,60	3,00	---	0,00	0,60	9,50	1,70	7,40	8,73	10,00	6,00
			Median	14,75	7,68	83,00	---	104,10	1,55	4,00	---	---	0,60	11,00	2,65	8,00	15,27	22,00	22,00
			Average	13,90	7,83	149,67	5,00	99,33	1,47	4,00	41,00	5,10	2,03	18,67	7,20	---	65,17	125,33	67,00
			Max.	16,60	8,10	149,67	5,00	104,00	2,00	4,00	41,00	5,30	3,80	21,00	12,00	---	74,19	240,00	80,00
		RQt1	Min.	11,80	7,70	---	---	94,00	0,50	---	---	5,00	1,10	17,00	4,70	---	60,22	56,00	54,00
			Median	13,30	7,70	---	---	100,00	1,90	---	---	5,00	1,20	18,00	4,90	---	61,10	80,00	67,00
			Average	17,01	6,78	169,70	10,22	104,26	2,70	6,75	256,75	43,50	1,69	17,00	4,66	19,80	134,11	204,50	184,90
			Max.	21,00	7,18	179,00	30,00	117,40	7,00	20,00	710,00	94,00	2,80	18,00	6,10	21,00	327,31	530,00	430,00
	Ribeira Quente	RQt2	Min.	13,20	6,40	160,00	3,00	95,00	0,40	3,00	60,00	24,00	1,10	16,00	3,40	18,00	46,26	121,00	102,00
			Median	17,25	6,73	170,50	6,00	104,00	2,15	5,00	111,00	42,50	1,45	17,00	4,30	20,00	109,76	152,00	138,50
			Average	23,60	7,62	582,38	7,33	102,25	1,93	4,20	61,17	23,14	2,51	60,67	18,70	138,00	95,57	140,25	134,50
			Max.	31,00	7,90	1003,00	10,00	112,70	2,70	7,00	97,00	46,00	3,60	125,00	33,00	180,00	117,83	172,00	172,00
		RQt3	Min.	19,60	7,16	283,00	3,00	94,00	1,30	3,00	20,00	3,10	1,30	3,70	8,50	81,00	65,46	115,00	107,00
			Median	22,55	7,66	455,00	7,50	99,50	1,90	3,00	65,00	24,60	2,70	42,00	15,05	153,00	96,88	133,00	132,00
			Average	20,05	7,70	358,51	20,33	100,99	2,44	5,75	99,11	31,88	3,30	42,89	8,97	74,20	79,60	157,80	155,20
			Max.	22,00	7,96	441,00	98,00	108,50	6,90	12,00	310,00	75,00	5,10	136,00	10,00	82,00	100,37	310,00	310,00
		RQt4	Min.	17,50	7,30	36,10	3,00	93,00	0,70	3,00	40,00	13,00	2,70	27,00	8,10	63,00	38,40	81,00	108,00
			Median	20,60	7,78	402,00	12,00	101,20	1,90	5,00	70,00	26,40	3,05	33,00	8,95	76,00	82,48	135,50	134,00
			Average	13,50	7,47	113,33	5,00	102,00	1,30	4,00	---	6,07	4,43	15,67	4,60	---	48,88	59,67	54,67
			Max.	14,50	7,80	132,00	5,00	107,00	2,00	5,00	---	8,00	6,20	16,00	5,90	---	69,83	78,00	78,00
	Ribeira dos Caldeirões e Lenho	RCI1	Min.	12,50	7,00	102,00	5,00	99,00	0,50	3,00	---	4,20	3,50	15,00	3,40	---	37,53	41,00	36,00
			Median	13,50	7,60	106,00	5,00	100,00	1,40	4,00	---	6,00	3,60	16,00	4,50	---	39,28	60,00	50,00
			Average	14,64	7,52	124,40	7,00	99,42	0,98	4,75	20,00	14,90	8,87	15,90	10,38	14,50	70,35	82,80	74,40
			Max.	17,00	7,80	140,00	7,00	106,00	1,60	6,00	20,00	43,00	14,00	17,00	32,00	15,00	117,83	150,00	140,00
		RCI2	Min.	11,90	7,20	95,00	7,00	95,50	0,70	3,00	---	3,00	3,60	14,50	3,60	14,00	32,73	35,00	30,00
			Median	15,00	7,56	128,00	7,00	99,00	0,80	5,00	---	9,50	9,00	16,00	5,50	14,50	47,57	63,00	53,00
			Average	14,00	7,63	117,00	26,50	95,67	1,00	6,50	---	15,67	8,45	16,00	4,90	---	65,03	94,00	65,00
			Max.	15,90	7,90	123,00	50,00	102,00	1,00	9,00	---	26,00	12,00	16,00	5,40	---	72,88	150,00	77,00
		RCI3	Min.	12,30	7,30	112,00	3,00	85,00	1,00	4,00	---	6,00	4,90	16,00	4,40	---	52,37	53,00	53,00
			Median	13,80	7,70	116,00	26,50	100,00	1,00	6,50	---	15,00	8,45	16,00	4,90	---	69,83	79,00	65,00
Faial	Ribeira dos Flamengos	RFc1	Average	19,17	7,99	171,29	282,00	117,71	3,48	10,67	34,00	94,71	13,14	19,05	9,67	14,60	21,70	51,43	32,83
			Max.	24,00	9,47	258,00	282,00	178,00	7,00	24,00	60,00	447,00	27,00	33,00	14,00	25,00	55,42	81,00	39,00
			Min.	15,00	7,07	64,00	---	90,10	0,50	3,00	20,00	10,00	2,50	9,00	3,50	7,00	6,55	28,00	23,00
			Median	18,00	7,70	212,00	---	109,00	3,20	8,50	30,00	29,00	14,00	17,50	12,00	11,00	15,71	50,00	33,00
	Ribeira Grande	RgF1	Average	15,45	6,64	57,33	---	95,65	1,07	9,50	10,00	6,00	2,20	14,15	5,83	12,50	8,73	8,33	---
			Max.	22,00	7,11	78,00	---	104,00	2,40	18,00	10,00	6,00	2,20	22,00	14,00	15,00	10,91	14,00	---
			Min.	11,00	6,20	39,00	---	84,10	0,60	3,00	---	6,00	2,20	8,00	1,70	10,00	6,55	5,00	---
			Median	15,15	6,67	53,00	---	96,90	0,85	9,50	---	6,00	2,20	11,50	4,75	12,50	8,73	6,00	---
	Ribeira Grande	RgF2	Average	15,48	7,86	143,67	---	97,55	1,20	8,50	---	3,00	0,57	18,00	4,72	16,00	79,35	86,50	59,67
			Max.	18,60	8,15	236,00	---	100,70	2,60	10,00	---	4,10	0,80	26,00	5,40	17,00	105,18	121,00	100,00

Flores	Ribeira Grande	RgF2	Min.	12,60	7,50	111,00	---	87,60	0,60	7,00	---	2,50	0,40	15,00	3,60	15,00	61,10	63,00	5,00
			Median	14,95	7,85	130,00	---	100,00	0,90	8,50	---	2,60	0,50	16,50	4,90	16,00	73,75	82,50	64,50
			Average	16,68	8,04	155,33	14,00	97,98	1,05	5,00	20,00	3,63	0,80	19,17	4,48	16,50	62,99	75,83	60,80
			Max.	19,80	8,30	169,00	14,00	103,00	1,70	6,00	20,00	4,80	1,00	22,00	5,50	17,00	71,57	103,00	86,00
		RgF3	Min.	13,90	7,70	133,00	---	86,40	0,40	4,00	---	2,70	0,60	17,00	3,30	16,00	56,30	65,00	25,00
			Median	16,15	8,06	159,50	---	100,50	1,05	5,00	---	3,40	0,80	18,50	4,55	16,50	62,41	70,00	67,00
			Average	14,63	6,30	72,17	---	92,48	0,82	15,75	20,00	3,40	0,90	18,70	9,65	9,00	31,20	21,25	7,67
			Max.	19,60	7,20	170,00	---	98,90	1,10	30,00	20,00	3,60	0,90	40,00	35,00	10,00	51,06	58,00	9,00
		RBad1	Min.	10,70	5,50	32,00	---	83,00	0,60	5,00	---	3,20	0,90	8,20	2,20	8,00	11,35	6,00	6,00
			Median	13,65	6,18	57,50	---	93,00	0,70	14,00	---	3,40	0,90	17,00	5,60	9,00	31,20	10,50	8,00
			Average	17,72	7,68	119,00	---	100,37	1,18	5,60	25,00	7,48	3,73	23,17	6,05	19,50	17,17	20,67	16,67
			Max.	26,50	8,16	152,00	---	106,00	1,60	8,00	30,00	11,00	5,50	33,00	8,30	21,00	26,18	30,00	30,00
	Ribeira Badanela	RBad2	Min.	13,50	7,10	78,00	---	94,80	0,70	4,00	20,00	3,30	0,70	17,00	4,60	18,00	9,16	10,00	6,00
			Median	15,90	7,70	122,50	---	99,70	1,20	6,00	25,00	7,80	5,00	22,50	5,90	19,50	16,58	20,50	13,50
			Average	12,20	7,60	177,00	31,00	99,00	3,60	4,00	---	---	1,30	30,00	6,70	---	72,01	80,00	80,00
			Max.	12,20	7,60	177,00	31,00	99,00	3,60	4,00	0,00	0,00	1,30	30,00	6,70	---	72,01	80,00	80,00
		RSF1	Min.	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
			Median	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
			Average	14,60	7,60	179,00	---	104,00	3,00	---	20,00	2,60	3,20	32,00	7,40	---	40,15	234,00	35,00
			Max.	14,60	7,60	179,00	---	104,00	3,00	---	20,00	2,60	3,20	32,00	7,40	---	40,15	234,00	35,00
		RSF2	Min.	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
			Median	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
			Average	16,48	7,25	190,50	42,00	89,75	1,45	8,00	25,00	42,00	3,20	42,50	7,95	---	88,81	122,75	128,00
			Max.	21,00	7,40	232,00	42,00	95,00	2,60	11,00	40,00	60,00	5,60	51,00	10,00	---	148,82	184,00	167,00
	Ribeira Fazenda	RFz	Min.	12,40	7,10	131,00	---	83,00	1,00	5,00	10,00	24,00	0,90	30,00	5,90	---	24,88	58,00	70,00
			Median	16,25	7,25	199,50	---	90,50	1,10	8,00	25,00	42,00	3,10	44,50	7,95	---	90,77	124,50	147,00

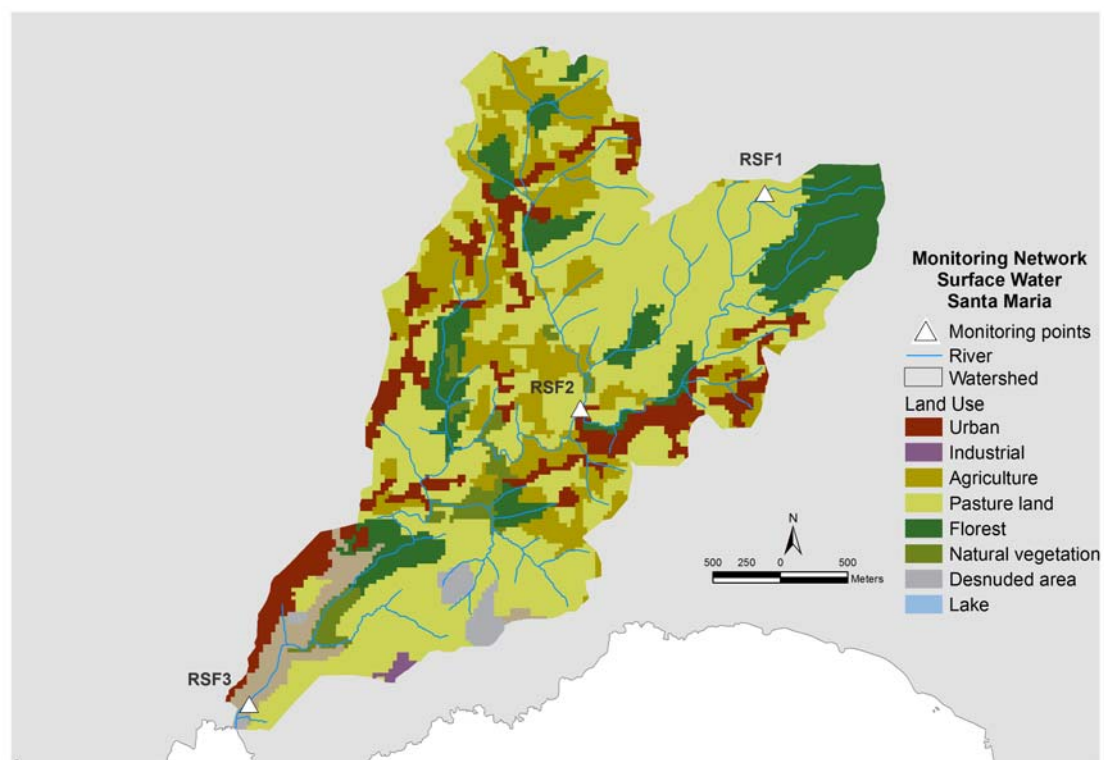


Fig. A
Cruz et al.

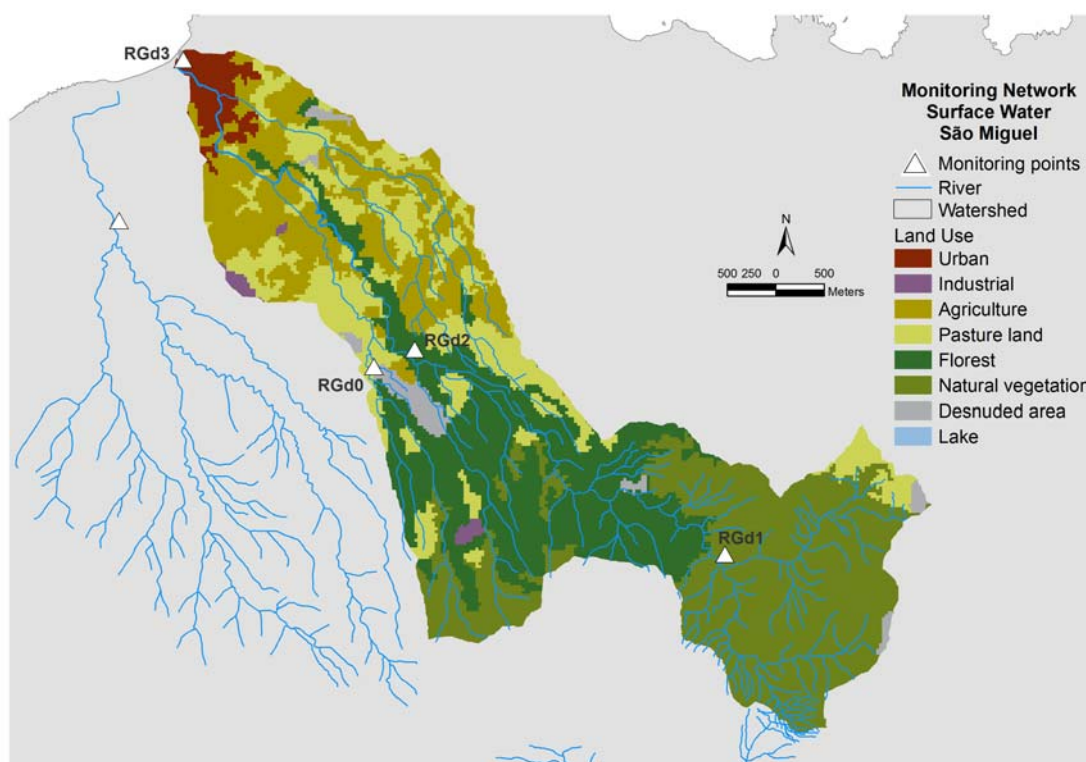


Fig. B
Cruz et al.

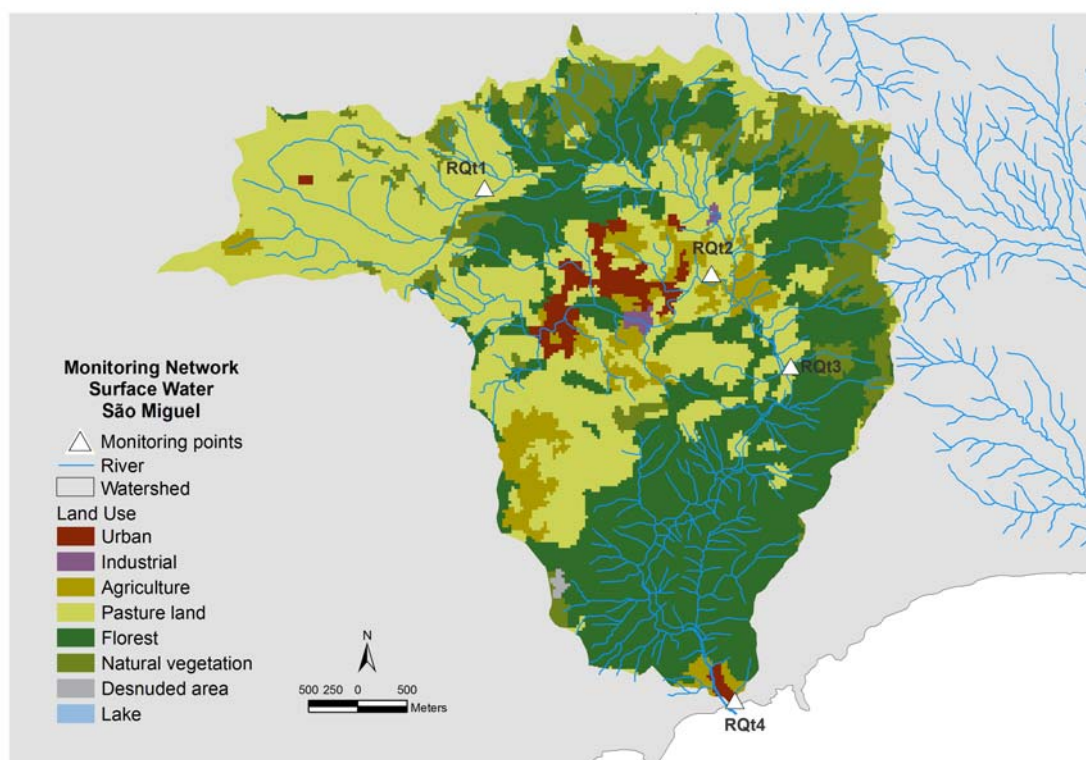


Fig. C
Cruz et al.

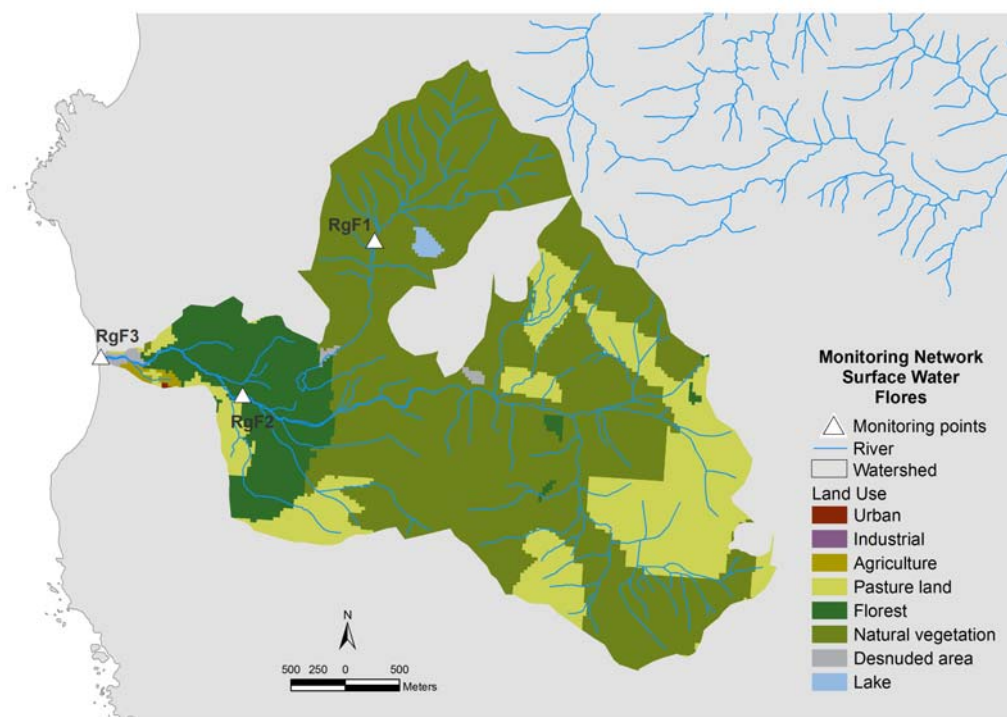


Fig. D
Cruz et al.

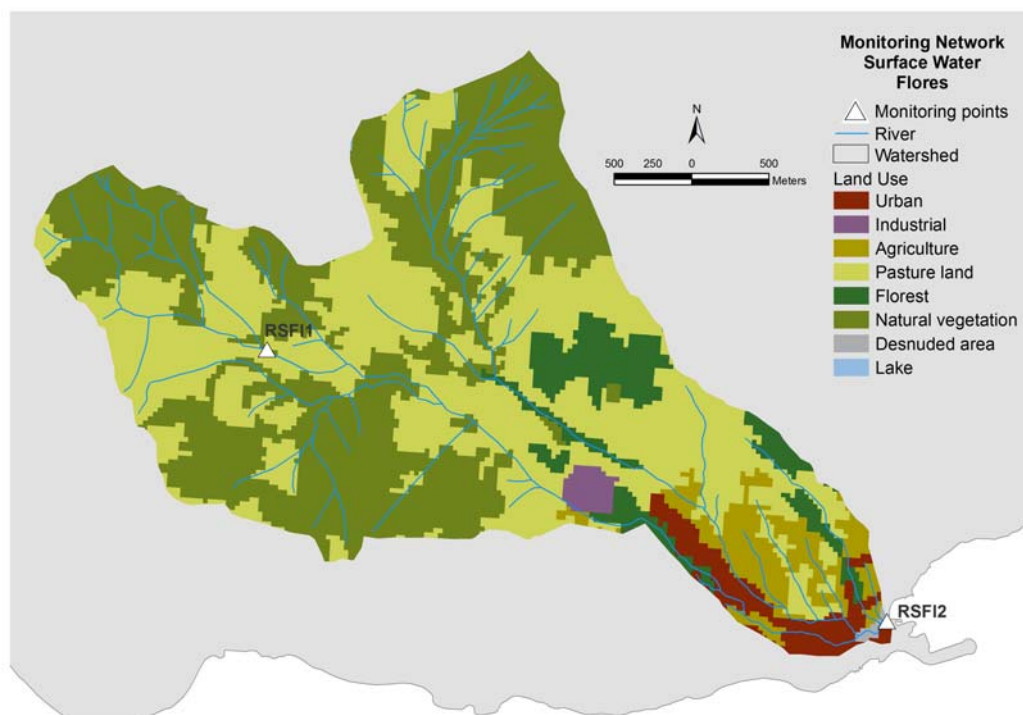


Fig. E
Cruz et al.