F:few VF:very few R:rare VR:very rare -:trace

		no magnetic and heavy minerals							Coarse grained minerals(1mm<)			
(14) %)	Se (15) (%)	weight (g)	Zr (16) (%)	Rt (17) (%)	Hg (18) (grn)	Py (19) (%)	Au (20) (grn)	As (21) (%)	weight (g)	Lm (3) (%)	Il (2) (%)	Hm (4) (%)
		1.8	70	6		R						
		0.02	22	3		R						
		0.1	17	35		VR						
		0.3	28	32		VR						
		0.1	26	32		VR						
	VF	0.05	28	14		VF						
	VF	0.02	14	15		VF						
	VF	0.2	28	53								
		0.3	19	62		VF						
		0.1	23	26		VF						
		0.1	11	22		R						
		0.2	84	F		F						
		0.1	70	13		VR			0.5		50	50
		0.1	12	43		R						
		0.1	80	F		R	1					
		0.1	86	F		3			0.05			98
		0.5	86	F		R						
		0.4	66	20					0.2		96	
		0.3	60	F		R						
		1.55	70	F								
		0.4	66	F		R						
		0.65	65	F								
		0.05	10	8		R						
	VR	0.05	10	1		F						
		0.1	40	5		F						
	R	0.1	47	3		R						
	R	0.1	32	7		VR	1					
	R	0.15	38	20		R						
	R	0.4	39	18		VF	1					
		F	VF	VF		R						
		0.02	62	11	1							
		0.01	52	9		R						
	F	0.7	80	2		F						
	VF	0.5	81	F								
		0.1	80	F		VF						
	VR	2.5	80	1	1							
		0.6	83	7		VR						
	VR	0.15	30	3		R	1					
	VR	0.18	62	3		VR						
		0.2	30	52		VF						
		0.4	75	8								
		0.3	75	5		F						
		0.7	83	4		F						
		0.8	76	12		F						
		1.2	90	2								
		0.9	82	6		F						
	11	0.7	83	2								
	VR	0.6	83	1		VR						
	R	0.7	32	8		R						
	R	0.7	50	2		F						

line (10)Cr:Chromite
(19)Py:Pyrite (20)Au:Gold (21)As:Arsenopyrite

8. Microscopic Observations of Panned Concentrate Geochemical Samples in the Van Yen Area (1)

F:few VF:very few R:rare VR:very rare -:trace

Sample No.	Analytical weight	Fine grained minerals(1mm>)																							Coarse grained minerals(1mm<)			
		Strong magnetic minerals		Weak magnetic minerals															no magnetic and heavy minerals										
		weight	Mt (1)	weight	Il (2)	Lm (3)	Hm (4)	Ga (5)	St (6)	Ep (7)	Sd (8)	Tl (9)	Cr (10)	Wf (11)	Cp (12)	Px (13)	Mc (14)	Se (15)	weight	Zr (16)	Rt (17)	Hg (18)	Py (19)	Au (20)	As (21)	weight	Lm (3)	Il (2)	Hm (4)
	(g)	(g)	(%)	(g)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(g)	(%)	(%)	(grn)	(%)	(grn)	(%)	(g)	(%)	(%)	(%)
VMC51	77.0	19.7	97	55.0	75	F	F		VF	12		VF							1.8	70	6		R						
VMC52	7.62	2.4	94	3.8	14	F	VF			R		R				R			0.02	22	3		R						
VMC53	34.3	9.4	98	24.5	86	F	F	VR		3		R				VR			0.1	17	35		VR						
VMC54	10.3	1.0	98	8.5	72	F	F			13		R							0.3	28	32		VR						
VMC55	12.7	2.2	98	10.0	75	F	R			14		R				VR			0.1	26	32		VR						
VMC56	22.6	6.7	97	15.9	75	VF				12								VF	0.05	28	14		VF						
VMC57	6.52	0.1	96	5.7	10	8	VF			F		VF	VF					VF	0.02	14	15		VF						
VMC58	6.1	0.7	98	3.9	43	VF		R		8		VF	F					VF	0.2	28	53								
VMC59	11.4	0.3	97	9.9	68	VF				VF		VF	VF						0.3	19	62		VF						
VMC60	9.4	4.0	95	3.6	50	9	VF						VF						0.1	23	26		VF						
VMC61	9.01	0.01	98	1.5	8	9				R		R							0.1	11	22		R						
VMC62	21.8	0.9	97	20.2	94	VF	VF			R									0.2	84	F		F						
VMC63	15.6	0.2	98	14.5	92	1	4			VF	VR	R							0.1	70	13		VR			0.5		50	50
VMC64	9.9	0.5	96	4.4	70	F	F			VF		R							0.1	12	43		R						
VMC65	7.3	0.5	98	6.4	78	F	F			VF		R							0.1	80	F		R	1					
VMC66	27.15	7.4	96	19.0	89	1	1												0.1	86	F		3			0.05			98
VMC67	6.5	0.4	96	2.2	25	2	VF			2		F							0.5	86	F		R						
VMC68	17.1	1.1	95	10.2	66	F	VF			VF		VF							0.4	66	20					0.2		96	
VGC51	12.0	1.9	98	3.1	F	F	40		F	F		R							0.3	60	F		R						
VGC52	14.6	2.65	98	7.7	F	F	60		R	R		F				VR			1.55	70	F								
VGC53	14.1	6.9	97	4.9	F	R	59		R	R		R							0.4	66	F		R						
VGC54	6.21	0.2	97	1.65		F	33				F	F							0.65	65	F								
VGC55	7.75	0.5	96	2.4		F	16		R			R							0.05	10	8		R						
VGC56	8.8	1.25	97	4.6	F	F	32		VR	3		R	VR			VR		VR	0.05	10	1		F						
VGC57	10.9	3.05	98	7.5	74	VF	F			8	R	R							0.1	40	5		F						
VGC58	12.25	0.9	95	4.5	F	2	41		R	F		R	1			R		R	0.1	47	3		R						
VGC59	17.8	3.2	94	9.3	38	2	F		VR	4		F	R			R		R	0.1	32	7		VR	1					
VGC60	10.65	1.3	96	5.2	F	3	46		R	F		R	1			F		R	0.15	38	20		R						
VGC61	15.1	1.5	96	8.5	F	2	52		VR	F		F	F			F		R	0.4	39	18		VF	1					
VGC62	26.8	5.4	97	21.2	80	F	F			5						R			F	VF	VF		R						
VGC63	42.65	7.2	98	35.3	84	1	F			5	VF					VF			0.02	62	11	1							
VGC64	27.11	7.7	96	18.2	66	VF	VF			11						VR			0.01	52	9		R						
VGC65	6.7	2.3	96	3.3	F	4	50		R	R		R				R		F	0.7	80	2		F						
VGC66	24.7	14.9	98	7.5	52	2	3			R		R				R		VF	0.5	81	F								
VGC67	10.6	5.55	97	2.75	F	VF	65			R		R							0.1	80	F		VF						
VGC68	21.7	6.4	95	10.7	F	VF	66		F	F		F				VR		VR	2.5	80	1	1							
VGC69	19.6	3.9	98	14.6	62	1	R			5		R	VR						0.6	83	7		VR						
VGC70	11.15	0.7	98	2.9	F	3	33			R		R	F			R		VR	0.15	30	3		R	1					
VGC71	12.38	6.8	94	3.9	F	3	32			R		R				VR		VR	0.18	62	3		VR						
VGC72	6.7	1.2	97	1.8	73	F	F	VF		VF		F							0.2	30	52		VF						
VGC73	7.7	2.4	97	2.5	24	13	F	VF		VF		F							0.4	75	8								
VGC74	5.3	1.7	97	1.9	24	26	VF					F							0.3	75	5		F						
VGC75	11.3	6.6	97	2.8	22	27	VF	VF		F		F				VF			0.7	83	4		F						
VGC76	6.1	0.6	98	2.5	58	F	F	VF				F							0.8	76	12		F						
VGC77	11.15	2.2	96	3.95	15	16	VF	VF		F		F							1.2	90	2								
VGC78	13.3	4.0	96	2.0		F	47	VF		F		3							0.9	82	6		F						
VGC79	13.25	0.25	96	2.5	34	F		F		VF		4						11	0.7	83	2								
VGC80	16.8	3.3	98	10.5	50	F	F	VF		R		R				VR		VR	0.6	83	1		VR						
VGC81	12.25	2.0	98	4.9	60	1	F			1		R				R		R	0.7	32	8		R						
VGC82	12.3	2.9	97	3.3	35	F	F			20		R				R		R	0.7	50	2		F						

(1)Mt:Magnetite (2)Il:Ilmenite (3)Lm:Limonite (4)Hm:Hematite (5)Ga:Garnet (6)St:Staurolite (7)Ep:Epidote (8)Sd:Siderite (9)Tl:Tourmaline (10)Cr:Chromite
(11)Wf:Wolframite (12)Cp:Chalcopyrite (13)Px:Pyroxene (14)Mc:Malachite (15)Se:Serpentine (16)Zr:Zircon (17)Rt:Rutile (18)Hg:Mercury (19)Py:Pyrite (20)Au:Gold (21)As:Arsenopyrite

8. Microscopic Observations of Panned Concentrate Geochemical Samples in the Van Yen Area (1)

F:few VF:very few R:rare VR:very rare -:trace

Sample No.	Analytical weight	Fine grained minerals(1mm>)																							Coarse grained minerals(1mm<)			
		Strong magnetic minerals		Weak magnetic minerals															no magnetic and heavy minerals										
		weight	Mt (1)	weight	Il (2)	Lm (3)	Hm (4)	Ga (5)	St (6)	Ep (7)	Sd (8)	Tl (9)	Cr (10)	Wf (11)	Cp (12)	Px (13)	Mc (14)	Se (15)	weight	Zr (16)	Rt (17)	Hg (18)	Py (19)	Au (20)	As (21)	weight	Lm (3)	Il (2)	Hm (4)
	(g)	(g)	(%)	(g)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(g)	(%)	(%)	(grn)	(%)	(grn)	(%)	(g)	(%)	(%)	(%)
VGC83	11.5	0.6	93	4.45	F	F	50	R	R	6	R	R							0.4	25	8		R						
VGC84	16.5	3.2	95	4.3	F	F	52			8	R	VF				R		R	0.5	40	2		F						
VGC85	51.45	13.7	97	35.0	40	F	F	VF		23		F							1.1	50	22								
VGC86	25.25	5.5	96	13.0	60	F		VF		3		F	R					R	0.8	67	11		VF						
VGC87	22.9	10.2	98	4.7	25	F	F	R	2	F		1							1.8	95	F								
VGC88	31.3	15.0	97	8.8	50	F	F		F	F		F							2.2	89	F								
VGC89	16.4	5.9	96	7.0	66	4	F	R	VF	R		F							1.0	87	F		R						
VGC90	18.1	11.7	98	2.7	49	1	VF		VF	F		F							1.0	92	F		R						
VGC91	9.3	0.9	97	6.2	2	17	R			F		R							0.1	49	1		R						
VGC92	20.2	2.6	96	4.2	25	2	R	R		F		R							0.5	75	F		R						
VGC93	14.7	1.5	97	6.5	14	2	F			R		R							0.2	50	F		F						
VGC94	15.8	2.4	98	7.8	58	F	F			18	VR	R				VR			0.9	92	F		VR						
VGC95	22.3	5.7	90	10.1	33	VF	F			1		VF						R	0.3	96	F		VF						
VGC96	63.05	31.4	97	23.3	50	5				6		VF						F	2.3	76	11		VF						
VGC97	12.1	2.5	95	5.2	58	F	VF												0.1	76	6		F						
VGC98	20.4	7.1	96	6.8	24	VF	F		VF	25		VF						3	0.7	85	F		VF						
VGC99	63.5	18.6	92	26.2	44	VF				7		VF						8	2.3	88	4		VF						
VGC100	29.2	7.3	90	12.0	34	VF	VF			16		VF						5	1.2	90	3		F						
VHC51	8.0	1.3	96	2.7	56	2	F	R		R		VF	R			R			0.2	15	20		VR						
VHC52	6.4	0.8	97	3.3	12	20	1					VR				R		VR	0.1	30	15		VF						
VHC53	22.1	7.7	98	5.7	67	1	3			R		F				VR		VR	1.3	65	3		VF						
VHC54	12.95	3.7	97	5.3	35	F	F			7		R							0.05	33	2		F						
VHC55	4.2	1.5	96	2.0	F	F	74				F	F							0.4	15	4		F						
VHC56	5.5	2.8	98	1.9	51	VF	VF			12		F	F						0.2	14	2		F						
VHC57	13.6	2.7	90	4.1	50	4	VF			9		VF	R			R			0.1	10	VR		11						
VHC58	9.45	2.7	97	4.0	11	2	R			R		VF	VF			R		R	0.05	15	7		VF						
VHC59	10.05	2.5	99	7.0	52	F	R			2	VR	VF	VF			F		F	0.05	30	20		VF						
VHC60	13.5	1.5	97	6.0	52	VF	VF			16	VF	VF							0.2	41	39								
VHC61	6.0	2.0	96	2.5	50	4	VF	VF		25		F	F					VF	0.3	60	26		VF						
VHC62	37.2	11.9	98	23.7	66	5	VF	VF		8		F	F					VF	0.7	69	21		VF						
VHC63	11.5	3.4	97	7.1	52	VF	VF	VF		19		F	F					VF	0.2	66	22								
VHC64	32.62	2.8	96	29.8	95	VF	VF			VF									0.01	29	6								
VHC65	30.6	11.8	96	17.5	66	VF	VF	VF		6		VF	F						0.2	40	40		VF						
VHC66	97.2	48.2	97	47.0	80	VF	VF			F		VF							0.6	80	4								
VHC67	10.3	4.2	97	3.7	66	R	R			22		VF							1.7	95	F		F						
VHC68	3.06	0.05	96	2.3	9					R		R							0.01	16	F								
VHC69	12.8	3.1	98	3.8	7	3	F	R				R				R			0.7	52	3		5						
VHC70	19.2	5.8	97	8.3	55	2	F	VR		9		F				VF			2.2	90	2		VR						
VHC71	9.5	1.9	96	3.5	63	2	R			F		VF						R	0.2	80	4		R						
VHC72	11.4	1.9	98	2.9	50	3	F		R	VF		VR				VF		R	0.2	30	4		R						
VHC73	12.9	2.9	96	6.6	75	F	F	R	R	5		VF							0.2	35	F								
VHC74	9.7	1.8	97	5.8	40	7	VF			7		R				R			0.1	23	7		F						
VHC75	3.3	0.2	95	2.15	5	60				VF		VF							1.3	80	12								
VHC76	7.9	1.2	92	3.6	37	18	VF			23		F							0.2	27	55								
VHC77	34.95	19.0	97	15.4	58	VF	VF			14		F	F					VF	0.2	23	45								
VHC78	22.22	10.5	98	11.2	66	3				22			F						0.15	58	22								
VHC79	10.55	2.2	97	5.1	32	VF	VF			23		VF	VF					VF	0.05	22	19								
VHC80	17.85	3.0	95	9.2	51	F	F			11		R							0.15	38	7								
VHC81	10.7	4.2	98	4.5	40	F	F			2		R	R			R			0.1	59	F								
VHC82	10.4	3.0	98	5.2	47	F	F			R		R				R			0.2	29	6		F						

(1)Mt:Magnetite (2)Il:Ilmenite (3)Lm:Limonite (4)Hm:Hematite (5)Ga:Garnet (6)St:Staurolite (7)Ep:Epidote (8)Sd:Siderite (9)Tl:Tourmaline (10)Cr:Chromite
(11)Wf:Wolframite (12)Cp:Chalcopyrite (13)Px:Pyroxene (14)Mc:Malachite (15)Se:Serpentine (16)Zr:Zircon (17)Rt:Rutile (18)Hg:Mercury (19)Py:Pyrite (20)Au:Gold (21)As:Arsenopyrite

8. Microscopic Observations of Panned Concentrate Geochemical Samples in the Van Yen Area (2)

F:few VF:very few R:rare VR:very rare -:trace

Sample No.	Analytical weight	Fine grained minerals(1mm>)																							Coarse grained minerals(1mm<)			
		Strong magnetic minerals		Weak magnetic minerals															no magnetic and heavy minerals										
		weight	Mt (1)	weight	Il (2)	Lm (3)	Hm (4)	Ga (5)	St (6)	Ep (7)	Sd (8)	Tl (9)	Cr (10)	Wf (11)	Cp (12)	Px (13)	Mc (14)	Se (15)	weight	Zr (16)	Rt (17)	Hg (18)	Py (19)	Au (20)	As (21)	weight	Lm (3)	Il (2)	Hm (4)
	(g)	(g)	(%)	(g)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(g)	(%)	(%)	(grn)	(%)	(grn)	(%)	(g)	(%)	(%)	(%)
VHC83	6.32	2.8	98	3.0	20	F	R			R		R				VR		R	0.02	3	F		F						
VHC84	4.3	1.7	98	2.4	20	VF	R			38		R	R			R			F	VF	VF								
VHC85	8.9	2.8	97	4.0	40	F	R		R	16		R	R						0.02	32	F		R	1					
VHC86	11.6	3.0	98	7.3	52	VF	VF	R	R	25		R							1.0	91	F		R						
VHC87	19.8	2.5	97	14.2	30	F	F			20		R				R			1.2	85	F		R						
VHC88	11.0	0.9	96	7.6	25	F	F			18		R							0.5	87	F		VR						
VHC89	17.4	8.0	97	7.0	26	F	F			19		R							0.8	90	F		VR						
VHC90	4.78	0.03	95	1.8	58	3	VF					VF							0.05	20	20		VF						
VHC91	31.0	22.2	97	7.4	48					13									1.0	83	2		VF						
VHC92	7.2	3.3	97	2.7	36			VF		34		VF						2	0.4	83	7		VF						
VHC93	31.0	12.0	97	17.5	75	VF	VF		R		VR	R							0.6	86	F								
VHC94	5.2	0.55	96	1.9	33	2	6			R		F							0.2	62	F								
VHC95	118.0	76.0	98	36.5	60	F	F			R		R							3.0	92	2		VF						
VAC51	15.42	1.4	90	10.7	18	VF	VF			33		VF	R						0.02	66	6								
VAC52	48.0	8.2	98	35.7	32	F	R	VR	VR	18		F						VR	0.2	50	12		VR						
VAC53	42.4	5.4	96	28.9	46	F	R			16		F						VR	0.1	35	15		VR			0.1	VF	VF	
VAC54	31.81			5.4	3	17	F			VR		R						VR	0.01	35	14		R			0.2	75	VF	
VAC55	22.02	0.1	96	4.0	2	11	F			F		R							0.02	20	6		R						
VAC56	19.41	F	F	5.2	F	9				R		R							0.01	33	8		R						
VAC57	30.2	5.2	98	21.4	70	F	F		R	3		R							0.1	67	F		R						
VAC58	111.0	33.5	95	75.7	78	1	F			3		R						VR	0.4	22	7		8						
VAC59	39.51	0.6	60	17.0	3	15	F			F		R						VR	0.01	47	13		VR						
VAC60	35.82	0.2	70	4.5	43	10	F			F		R							0.02	5	F		R						
VAC61	31.4	0.4	93	7.4	14	7	F			F		R							0.4	30	28		R						
VAC62	25.81	2.4	68	18.0	4	10	F			3		VF						VF	0.01	20	7		VR						
VAC63	36.65	5.2	70	27.8	42	4	R			2		R							0.05	10	3		VR						
VAC64	45.81	8.0	80	36.4	32	F	R			17		R							0.01	5	3		R						
VAC65	44.82	5.4	78	37.0	33	F	F			15		R				VR			0.02	2	1		R						
VAC66	23.7	1.0	81	13.1	50	F	F			14		R				R		R	0.2	31	35		VR						
VAC67	36.8	0.5	90	11.4	17	7				F		VF	VF						0.1	33	34								
VAC68	28.27	0.6	90	8.6	3	5	VF			VF		F	VF						0.07	34	48		VF						
VAC69	27.11	2.0	87	19.8	F	VF				6			VF						0.01	15	18		VF						
VAC70	30.25	1.0	91	18.3	F	20				F		VF	VF						0.05	10	30		F						
VAC71	48.0	5.1	94	24.1	16	VF				52		VF	VF						0.2	9	24		F						
VAC72	20.21	1.7	95	18.2	F	VF				91			VF					F	0.01	17	10		F	2					
VAC73	33.7	2.5	95	21.5	6	VF				75		VF						5	0.5	28	38		F						
VAC74	18.0	0.2	96	8.7	F	VF				52		VF	VF						0.1	28	30								
VAC75	14.41	0.2	92	7.8	F	4				73			F					10	0.01	22	20		F						
VAC76	26.3	1.1	90	20.5	2	1	F	R		75									0.1	34	3								
VAC77	20.7	0.6	96	10.5	65	8	F		R	VF		R							0.7	38	30								
VAC78	17.6	0.2	97	1.1	20	10	F			R	R	F							0.2	57	2								
VAC79	25.5	F	F	5.5	2	26	F			R		F							0.1	64	7		R						
VAC80	25.65	0.05	92	1.7	3	33	F			VF		F							0.2	50	17								
VAC81	18.11	0.01	97	1.6	1	41	F					F							0.2	75	6								
VSC51	20.3	9.7	97	6.7	40	F	R			VF		R							1.1	91	F		F						
VSC52	14.01	0.5	94	3.1	6	3	F			VR		VR				VR			0.01	14	F		VR						
VSC53	9.35	4.5	95	4.7	84	VF	R			10		VR							0.05	50	30		R						
VSC54	21.0	8.0	96	9.2	80	VF	R	R	R	2	VF	VF							0.4	17	3		2						
VSC55	13.4	2.1	97	9.6	25	VF	R			24	R	R							F	VF	R								

(1)Mt:Magnetite (2)Il:Ilmenite (3)Lm:Limonite (4)Hm:Hematite (5)Ga:Garnet (6)St:Staurolite (7)Ep:Epidote (8)Sd:Siderite (9)Tl:Tourmaline (10)Cr:Chromite
(11)Wf:Wolframite (12)Cp:Chalcopyrite (13)Px:Pyroxene (14)Mc:Malachite (15)Se:Serpentine (16)Zr:Zircon (17)Rt:Rutile (18)Hg:Mercury (19)Py:Pyrite (20)Au:Gold (21)As:Arsenopyrite

8. Microscopic Observations of Panned Concentrate Geochemical Samples in the Van Yen Area (3)

F:few VF:very few R:rare VR:very rare -:trace

Sample No.	Analytical weight	Fine grained minerals(1mm>)																							Coarse grained minerals(1mm<)			
		Strong magnetic minerals		Weak magnetic minerals															no magnetic and heavy minerals										
		weight	Mt (1)	weight	Il (2)	Lm (3)	Hm (4)	Ga (5)	St (6)	Ep (7)	Sd (8)	Tl (9)	Cr (10)	Wf (11)	Cp (12)	Px (13)	Mc (14)	Se (15)	weight	Zr (16)	Rt (17)	Hg (18)	Py (19)	Au (20)	As (21)	weight	Lm (3)	Il (2)	Hm (4)
	(g)	(g)	(%)	(g)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(g)	(%)	(%)	(grn)	(%)	(grn)	(%)	(g)	(%)	(%)	(%)
VSC56	15.8	6.7	98	8.4	80	VF	R			6	R	VF							0.1	66	8		VR						
VSC57	17.2	3.0	98	10.6	58	VF	VF	VF		14	VF	F	F						0.02	64	8		VF						
VSC58	21.15	4.9	92	11.9	42	VF				20		VF	F					F	0.05	57	13								
VSC59	25.7	1.9	95	11.70	48	VF	VF			25		VF	F					VF	0.1	60	20		VF						
VSC60	33.7	7.8	98	23.9	65					12		VF	F					VF	0.1	60	20		F						
VSC61	17.9	3.7	96	12.7	34	VF				32		F	VF					VF	F	VF	VR								
VSC62	15.9	0.1	94	11.2	28	VF	R			26		R							F	VF	VF								
VSC63	13.3	0.2	86	10.7	5	F	R			F		R							F	VF	VF								
VSC64	12.6	1.9	97	3.8	22	6	F			R		R							0.1	20	3		VR						
VSC65	9.55	0.6	98	1.7	14	5	R			R		R							0.05	12	F		F						
VSC66	19.4	9.3	95	9.6	20	VF	R			26		VF							F	VF	VF		VR						
VSC67	26.05	4.8	98	19.8	88	VF	R		VR	F	R	VF							0.05	62	F								
VSC68	21.6	5.2	97	14.9	48	F	R			13		R							F	VF	R		R						
VSC69	15.8	7.5	98	4.9	33	F	R			33		VF							1.4	80	F	1	F						
VSC70	6.4	0.4	97	2.9	F	40	VF			VF		2	F					VF	0.2	57	32								
VSC71	19.2	7.3	97	6.9	60	F	VF	VF		16		F							1.3	78	13		3						
VSC72	10.26	0.05	95	3.7	F	24	VF					VF							0.01	34	16								
VSC73	9.0	0.2	94	3.0	6	F	VF			F		F							0.1	48	35								
VSC74	6.71	0.2	95	4.0	F	VF	VF			F			VF						0.01	14	29								
VSC75	50.05	20.5	97	30.8	65	F	VF			9		F	F						0.7	82	15			3					
VSC76	13.51	0.7	90	10.4	13	VF				F		F	F						0.01	33	22								
VSC77	29.3	14.8	98	12.5	75	R	R		VR	5		VF							1.6	93	F		R						
VSC78	14.1	8.0	98	4.8	49	F	R	VR	VR	13		F				VR			0.3	80	F		R						
VSC79	26.4	14.3	98	9.0	66	F	R	R	R	7		F							0.9	93	F		R						
VSC80	17.9	8.5	97	8.2	57	R		R	R	11		F							0.7	95	F		R						
VSC81	19.4	0.4	95	5.4	40	F	R			7	R	R							0.2	50	1								
VSC82	16.1	3.2	97	6.2	33	F	F	R	F	3						R			0.7	86	1		R						
VSC83	14.7	3.2	98	6.1	40	4	F			F		F				R			0.2	96	F								
VSC84	11.95	2.2	97	8.9	33	2	F			R		F							0.05	76	F								
VSC85	14.9	0.1	98	14.0	85	R		R				R							0.3	95	F								
VSC86	14.4	0.2	98	2.4	26	2	1		R	R		F				F			0.2	26	10		R						
VSC87	10.15	0.05	96	0.8	20	4	F			F		R							0.1	14	2		R						
VSC88	14.8	F	F	1.6	17	3	F					R							0.4	75	5		R						
VSC89	12.11	0.4	96	9.7	60	1	F			R		R							0.01	81	2		R						
VSC90	17.21	0.3	98	1.1	8	9	F		R	R		R							0.01	40	3		R						
VSC91	10.5	0.05	98	1.2	24	F	F		R			1							0.15	50	4								
VSC92	21.35	3.7	95	11.7	33	8	F		F			R							0.05	34	6		R						
VSC93	11.51	0.2	65	4.7	7	2	F					VR							0.01	72	1		VR	1					
VSC94	15.4	0.7	98	3.4	30	F	F			R		VR							0.1	25	25		VR						
VBC51	15.8	2.6	95	11.4	52	F	R			12		VF							0.2	66	7		R						
VBC52	23.8	2.7	90	17.5	25	F			R	19		R				R			0.1	50	10		R						
VBC53	14.45	0.2	97	6.9	5	9	R			R		R	R			R			0.15	F	5		R						
VBC54	23.0	0.1	95	9.9	18	10				R		R	R			R			0.1	12	12		F			0.1	98		
VBC55	30.3	8.7	97	20.9	25	F	F			18		R	R						0.1	20	18		VR						
VBC56	25.3	4.1	99	15.1	16	VF	VR			F		R	VR					VR	0.1	15	4		VR						
VBC57	15.51	0.4	92	13.0	2	1	R			R		R	VR						0.01	R	R		R						
VBC58	19.55	3.6	90	10.1	16	1	R			F		R						R	0.05	13	F		R						
VBC59	19.0	3.0	97	13.5	7	VF				20		VF	F						0.1	6	10	1	VF						
VBC60	27.9	0.7	92	9.5	VF	F				6		VF							0.1	8	27		VF						
VBC61	23.3	1.7	95	10.9	VF	F				17		VF	F					6	0.2	5	30		VF						

(1)Mt:Magnetite (2)Il:Ilmenite (3)Lm:Limonite (4)Hm:Hematite (5)Ga:Garnet (6)St:Staurolite (7)Ep:Epidote (8)Sd:Siderite (9)Tl:Tourmaline (10)Cr:Chromite
(11)Wf:Wolframite (12)Cp:Chalcopyrite (13)Px:Pyroxene (14)Mc:Malachite (15)Se:Serpentine (16)Zr:Zircon (17)Rt:Rutile (18)Hg:Mercury (19)Py:Pyrite (20)Au:Gold (21)As:Arsenopyrite

8. Microscopic Observations of Panned Concentrate Geochemical Samples in the Van Yen Area (4)

F:few VF:very few R:rare VR:very rare -:trace

Sample No.	Analytical weight	Fine grained minerals(1mm>)																							Coarse grained minerals(1mm<)			
		Strong magnetic minerals		Weak magnetic minerals															no magnetic and heavy minerals										
		weight	Mt (1)	weight	Il (2)	Lm (3)	Hm (4)	Ga (5)	St (6)	Ep (7)	Sd (8)	Tl (9)	Cr (10)	Wf (11)	Cp (12)	Px (13)	Mc (14)	Se (15)	weight	Zr (16)	Rt (17)	Hg (18)	Py (19)	Au (20)	As (21)	weight	Lm (3)	Il (2)	Hm (4)
	(g)	(g)	(%)	(g)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(g)	(%)	(%)	(grn)	(%)	(grn)	(%)	(g)	(%)	(%)	(%)
VBC62	21.1	0.9	94	10.5	VF	3				16			F					F	0.1	6	18		VF	1					
VBC63	22.52	1.2	90	15.9	F	F				17			F					VF	0.02	8	5		VF						
VBC64	27.05	2.0	95	15.0	8	14				1			F			R			0.05	9	2		VR						
VBC65	16.11	4.2	97	11.6	10	F	R			30		R							0.01	4	3		R						
VBC66	28.6	5.2	80	21.2	5	VF				40		VF							0.1	3	9		F						
VBC67	35.65	5.5	88	27.6	2	2	R			17									0.05	7	6		R						
VBC68	15.3			12.7	3	F	R			R		VR							0.1	45	23		VR						
VBC69	22.0	0.05	90	3.4	11	VF				F		F	R						0.05	67	16								
VBC70	23.7	0.4	91	5.8	8	VF				F		VF	R						0.1	50	17		VF						
VBC71	16.92	0.6	80	10.5	10	F	F			R		R							0.02	5	2								
VBC72	11.91	1.2	90	9.0	27	F	R			5		VR							0.01	6	3		VR						
VBC73	26.51	3.2	91	19.0	32	F				2			R						0.01	7	4	2	R						
VBC74	19.21	0.1	75	8.2	1	12	R			R									0.02	8	3		R						
VBC75	16.4	0.9	92	9.5	36	18	R			6		VF							0.1	19	20		R						
VBC76	20.45	0.5	93	12.6	15	11	R			5		R							0.05	50	32								
VBC77	27.15	1.8	90	20.3	6	VF				VF									0.05	F	F		2						
VBC78	27.65	0.05	90	3.2	20	18				VF		F							1.2	15	58		VF						
VBC79	17.67	0.02	89	2.4	14	8				VF		VF							0.05	18	23								
VBC80	26.92	3.4	90	20.5	VF	F				25			R						0.02	8	12								
VBC81	27.15	3.6	90	16.5	F	VF				30		VF	R						0.05	32	17		VF						
VBC82	27.21	5.4	91	20.8	7	R	R			10		VR							0.01	F	VF		VR						
VBC83	19.6	0.3	97	7.5	18	25	R			R	VR	R							0.1	4	20		VR						
VBC84	15.31	2.0	94	8.9	4	F	F			VF		R							0.01	40	3		VR						
VBC85	16.12	1.7	95	10.4	F	2	R			2		R							0.02	8	6		VR						
VBC86	25.71	5.7	96	18.0	2	F	R			2		R							0.01	10	19	2	VR						
VBC87	35.51	8.8	98	25.0	1	F	F			14		R	R						0.01	10	2		VR						
VBC88	8.61	1.5	94	4.7	20	F	F			8		R							0.01	13	1		VR						
VBC89	22.91	7.9	96	12.7	9	F				4		R							0.01	16	3		VR						
VBC90	21.7	1.7	94	13.5	50	4	VF			34		R				R			0.1	33	50								
VBC91	20.62	5.5	96	13.7	12	5	R			24			R						0.02	22	9		1						
VBC92	26.5	1.9	90	10.2	12	F				10	R	VF	F						0.1	17	22		VF						
VBC93	27.0	0.05	90	25.6	2	F				VF		F							0.15	42	15								
VBC94	15.0	0.1	98	1.8	18	27	F	R		R		F							0.5	75	19								
VBC95	24.81	0.01	98	1.2	3	22	F	R				F							0.2	64	18								
VBC96	18.55	0.1	30	3.4	5	40	F					R							0.05	18	7		R						
VBC97	21.22	0.01	F	1.6	F	2	R			R		R							0.01	37	6		R						
VBC98	26.76	0.05	65	3.3	6	21	F			F		R							0.01	26	8		R						
VBC99	25.75	0.1	96	2.5	6	25	VF	VF		VF		VF	R						0.15	25	8		R						
VBC100	29.5	0.1	F	2.9	VF	F	VF					VF	R						0.1	40	10								
VLC51	12.5	0.6	96	8.9	F	VF	74			R		VF							0.65	50	20		F						
VLC52	16.9	0.01	99	1.5	F	16	50			R		F							0.2	19	9		F						

(1)Mt:Magnetite (2)Il:Ilmenite (3)Lm:Limonite (4)Hm:Hematite (5)Ga:Garnet (6)St:Staurolite (7)Ep:Epidote (8)Sd:Siderite (9)Tl:Tourmaline (10)Cr:Chromite
(11)Wf:Wolframite (12)Cp:Chalcopyrite (13)Px:Pyroxene (14)Mc:Malachite (15)Se:Serpentine (16)Zr:Zircon (17)Rt:Rutile (18)Hg:Mercury (19)Py:Pyrite (20)Au:Gold (21)As:Arsenopyrite

8. Microscopic Observations of Panned Concentrate Geochemical Samples in the Van Yen Area (5)

F:few VF:very few R:rare VR:very rare -:trace

Sample No.	Analytical weight	Fine grained minerals(1mm>)																									Coarse grained minerals(1mm<										
		Strong magnetic minerals		Weak magnetic minerals																no magnetic and heavy minerals																	
		weight	Mt (1)	weight	Il (2)	Lm (3)	Hm (4)	Ga (5)	St (6)	Ep (7)	Sd (8)	Tl (9)	Px (10)	Se (11)	Cr (12)	Wf (13)	Mz (14)	Cs (15)	Mc (16)	weight	Zr (17)	Rt (18)	Hg (19)	Py (20)	Cs (15)	Au (21)	Mc (16)	weight	Il (2)	Cs (15)	Lm (3)	Se (11)	St (6)	Ga (5)	Py (20)	Hm (4)	Px (10)	Mt (1)	Mc (16)
	(g)	(g)	(%)	(g)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(g)	(%)	(%)	(grn)	(%)	(%)	(grn)	(%)	(g)	(g)	(g)	(g)	(g)	(g)	(g)	(g)	(g)	(g)	(g)	(g)
TMC51	13.0	0.3	75	11.8	45	F	F	1	VR	VF		R	F	F						0.4	61	F		VF	VF			0.15	0.14		F					R			
TMC52	17.0	0.5	95	15.8	70	F	F	2	VR	VF		F	F	F						0.5	85	5		R	R			0.1	0.09		R								
TMC53	7.67	0.02	80	4.0	13	F	F	VR		VF		F	VF	F						0.05	45	4		VF															
TMC54	42.11	0.01	94	40.0	88	F		VF	VF			VF		R						0.3	40	35		VF		1													
TMC55	2.0			1.4	82	F						F								0.3	50	16																
TMC56	4.02			0.5	50	3	VF					2								0.3	13	55						0.02	R										
TMC57	5.8	0.1	95	4.0	48		R	F				R	4	5						0.4	41	17		VR															
TMC58	2.9	0.2	96	1.8	75		R	VF	VF	VF		R								0.4	66	20			VR														
TMC59	26.1	0.3	98	24.0	76		R	F	VF				4	F						0.4	60	27		VR															
TMC60	20.42	1.4	92	18.6	40			50	F											0.02	36	26			R			0.2	0.2										
TMC61	52.9	6.2	98	45.7	83	F		6	F	VF	R									0.3	60	19			R			0.3	0.25										
TMC62	50.85	0.4	95	48.4	69	VF	VF	VR	R	R		F	R	F						0.15	30	7						0.15	0.1		R					R			
TMC63	76.01	0.01	95	69.7	82	F	F	VF	R	R		R	R	VF						0.2	16	13						0.2	0.16		0.04								
TMC64	7.6	0.5	94	5.5	56	F	F			R		VF	R	F						0.9	24	3		VF				2.4	2.4										
TMC65	4.2			0.6	35	VF	VF					10								0.2	68	3		F	R														
TMC66	3.0	F	VF	0.6	33	6	F			1		F	F	F						0.5	31	59				2		0.1			0.1								
LMC 1	43.3	0.1	95	40.9	VF	VF						R	VR	VR						0.9	94	F		VR	1														
LMC 2	6.7			5.0	95	R						VF	R							0.4	16	13		3	1	3		0.4	0.4										
LMC 3	1.9			1.15	74	VF	VF			R	F	F								0.15	24	24		VR				0.15	0.12		0.03								
																				0.05	20	9		F		2		0.05	0.03										
TGC51	2.1			1.0	16	R		10				8	32	R						0.1	7	5		R			R	0.2	0.04				VF		0.15			
TGC52	5.4			4.0	52	F	F	1	R	VR		R	27	F						0.1	20	F		VF				0.1	0.02		0.02				F				
TGC53	8.2			6.3	57		R	1	R			F	20	R						0.2	12	42		VR				0.1	VF				VF			0.08			
TGC54	7.4	0.1	95	6.2	80	F	R	F				F	6							0.1	20	4		R				0.05	0.03		0.01					0.01			
TGC55	2.7			1.3	58	VF		5	F	3		8	F							0.2	3	22		F															
TGC56	21.5	0.1	92	18.1	86	F	VF	1		VF		F								2.3	26	65		F		1	1	0.1	F		F						0.02		
TGC57	21.75	0.05	65	19.7	73	F	F	1	VR	VR		VR	R	VR						1.5	20	60		VR				0.05	F		F		R		F				
TGC58	9.17	0.02	63	8.4	76	F	F	1	VF	VR		VF								0.5	31	50		VR				0.05	F				R		VF				
TGC59	3.4	0.1	80	2.4	60	F	F	7	VR			VF								0.7	14	42		VF			VR	0.1	0.02		F		0.06		R				
TGC60	4.6			3.9	50	F	F	1	VR			F							VR	0.3	25	33		VR			VR												
TGC61	3.5			2.2	43	VF		7				30	VF						R	0.2	18	19					R	0.05	0.02		0.01		0.02					
TGC62	5.3	0.1	96	4.4	86	F	F	F				VF	F							0.1	54	8		R			R												
TGC63	3.8			2.5	67	F	VF	F	VF			1								0.1	41	9		F															
TGC64	17.9			17.1	90			F												0.4	13		1															
TGC65	8.3			7.1	72	F	F		VR			R								0.7	20	3		VR															
TGC66	2.85			2.1	88	F						F								0.45	4	48		F															
TGC67	1.95			0.75	76	F	F	4										VF		0.4	21				47														
TGC68	15.62	0.02	90	12.9	88	VF	VF													0.6	29	43		VF	VF			0.2	0.05		0.05								
TGC69	12.2	F	VF	10.45	85	R	VF						VF							0.95	12	50		VF				0.05	0.04		F								
TGC70	10.75			9.55	87		R				VR		R							0.80	20	40																	
TGC71	9.15			6.2	83	VF							VR					R		2.45	10	F		R															
TGC72	12.65			11.8	84	F	R	VR	VR			VF								0.4	35	25	2	VR	R														
TGC73	18.6			17.5	87	VF		VF												0.4	25	30		VF	45	1													
LGC 1	1.0			0.6	84	1		R				5	R							F	VF	VF																	
LGC 2	1.35			0.9	86	F		VF			R	1								0.05	10	15																	
LGC 3	9.02			0.6	80	F	VF					2								0.02	22	12																	
LGC 4	2.3			1.75	80	F	F	VF				VF	VF							0.05	6	27		F															
LGC 5	1.47			0.55	82			VF		VF	R	2			R					0.02	6	19		F															
LGC 6	1.82			0.6	78	R	R	R	R			F	VF							0.02	18	VF		R															
LGC 7	1.62			0.2	75	F	F			VR	F	VF								0.02	7	2		VR															
LGC 8	15.3	0.1	97	13.0	92	VF	R	VR	F	VR									VR	0.4	6	23		F															

(1)Mt:Magnetite (2)Il:Ilmenite (3)Lm:Limonite (4)Hm:Hematite (5)Ga:Garnet (6)St:Staurolite (7)Ep:Epidote (8)Sd:Siderite (9)Tl:Tourmaline (10)Px:Pyroxene (11)Se:Serpentine (12)Cr:Chromite
(13)Wf:Wolframite (14)Mz:Monazite (15)Cs:Cassiterite (16)Mc:Malachite (17)Zr:Zircon (18)Rt:Rutile (19)Hg:Mercury (20)Py:Pyrite (21)Au:Gold (22)Ap:Arsenopyrite

9. Microscopic Observations of Panned Concentrate Geochemical Samples in the Western Thanh Hoa Area (1)

F:few VF:very few R:rare VR:very rare -:trace

Sample No.	Analytical weight	Fine grained minerals(1mm>)																												Coarse grained minerals(1mm<)											
		Strong magnetic minerals		Weak magnetic minerals																	no magnetic and heavy minerals																				
		weight	Mt (1)	weight	Il (2)	Lm (3)	Hm (4)	Ga (5)	St (6)	Ep (7)	Sd (8)	Tl (9)	Px (10)	Se (11)	Cr (12)	Wf (13)	Mz (14)	Cs (15)	Mc (16)	weight	Zr (17)	Rt (18)	Hg (19)	Py (20)	Cs (15)	Au (21)	Mc (16)	weight	Il (2)	Cs (15)	Lm (3)	Se (11)	St (6)	Ga (5)	Py (20)	Hm (4)	Px (10)	Mt (1)	Mc (16)
	(g)	(g)	(%)	(g)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(g)	(%)	(%)	(grn)	(%)	(%)	(grn)	(%)	(g)	(g)	(g)	(g)	(g)	(g)	(g)	(g)	(g)	(g)	(g)	(g)
LGC 9	5.4			4.9	95	R		VR				VR								0.05	8	20																		
LGC10	14.45			14.0	66	VF		6	R		1	R	3	F	VF				VF	0.3	22	11		VF																
LGC11	4.47	0.3	94	4.1	62	F	VF	30	F		R		R							0.05	12	13		F																
THC51	38.6	0.3	90	23.0	75	F		F				R								13.9	2	11						0.4	0.4				R						
THC52	63.3	0.3	80	28.1	65	R	R	F	VR	R		VF	VR	VR						29.1	6	17		VR				0.9	0.11		0.77				F				
THC53	41.1	0.1	90	17.4	48	F					R						R			7.0	4	68		VF				0.3			0.15								
THC54	44.2	0.2	91	29.2	40		VF													14.4	2	40				1		0.9			F				F				
THC55	45.0	0.2	94	33.0	68		R	F					R							8.3	6	3		VR				0.7	0.7										
THC56	25.5	0.4	90	6.7	35	F	R	VR				VF	VR							17.1	4	14		VR				0.4	0.06		0.28				F				
THC57	48.4	0.2	90	37.6	50	1	F	VR	R			F	VR	VR						9.4	5	18		VR				0.2	0.04		0.04				F				
THC58	9.0	0.4	95	3.3	48		R			R			R							4.4	4	13		VR															
THC59	18.6	0.1	91	5.9	14	5	F					VF	VR	VR						2.3	10	36		VR				0.2	0.01		0.15				F				
THC60	11.61	0.01	F	2.9	12	F	VF										R			5.0	2	48		VF				0.1			0.1								
THC61	65.5	0.2	97	49.8	74	F		F												12.9	3	62						0.1			F								
THC62	18.4			0.4	48	F						VF								2.8	2	80																	
THC63	33.9	0.1	92	29.0	65	3	F	F	VR			VF	VR							1.5	5	55		F				0.6	0.18		0.36			F		R			
THC64	30.4	0.2	97	17.2	75		VF	VF		VF			R							3.2	7	3		R				0.7	0.7										
TGC65	19.6			10.4	50	VF				VF										2.7	3	94				3													
THC66	37.8	0.1	92	22.7	74	F	R			R			R							7.7	4	9						0.1	0.1										
THC67	45.7	0.2	93	24.9	62	F	F	3	F	R		VF	VR	R						0.8	30	35		VR	VR			0.1	0.02		0.06								
THC68	132.6	1.4	90	113.9	83	F	F	F	F	VF										0.9	7	27		F	6			1.6	0.15	0.1	0.5				0.6				
TAC51	8.41			8.2	66	F	R	VR		VF		R	VF							0.01	65	2		R															
TAC52	7.15			0.2	26	F	VF					F								0.25	12	25																	
TAC53	6.15	0.05	60	5.9	56	VF	R	VF		VF		R	VR							0.1	50	31		R	VR														
TAC54	18.8			0.4	7	2	F					VR								0.1	47	30		VR				0.2			0.07								
TAC55	11.65	0.05	62	8.8	50	F	2	F		R		VR								0.2	45	41		VR	VR			0.1	F		F			R					
TAC56	26.7	0.2	67	23.5	68	F	F	VF		VR		VR								0.1	75	15			VR			0.1	0.05		F			R	R				
TAC57	12.43	0.02	65	11.2	50	F	F	1		VR		VR								0.2	54	38		F				0.01	R		R			R					
TAC58	8.35			4.4	40	F	F	R				VR								0.05	68	25																	
TAC59	8.80			5.2	31	F	F	F				F								0.1	37	55						0.05	F		R				R				
TAC60	9.95	0.1	70	8.1	46	F	F	F	VR			F								0.15	28	65						0.05	F		F			F	R				
TAC61	34.9	0.3	56	30.7	61	F	F	1	VR			F								1.0	16	70		F				0.5	0.25		F		R	0.01	0.1		R		
TAC62	26.8	0.2	60	23.5	55	F	F	F				F								1.1	24	68		VR				0.1	0.04		F				F				
TAC63	41.7			40.2	84	F	F	R				F								0.9	21	67		R				0.01	F						R				
TAC64	12.75	0.05	55	11.4	57	F	F	F				F								0.2	33	60		VR				0.05	F		R				R				
TAC65	15.9	0.2	97	14.2	85	F	F	F					F							1.0	6	61						0.05	0.05										
TAC66	6.3	F	F	4.9	68	F	VF	R		R		R	VF							0.5	7	32			R														
TAC67	9.3			7.8	79	VR	R	F	VR	R		VF	VF	R						0.15	20	F		VR	VR														
TAC68	3.77	0.02	91	1.4	56	F	F	VR		VR		F								0.35	19	7		VR	F														
TAC69	5.3			4.8	73	VF	VF			VF										0.3	10	40		F															
TAC70	5.5			3.9	66	F				VF		F								0.2	4	23		F															
TAC71	10.9			9.9	73	VF														0.5	8	30		F															
TAC72	8.4			7.8	55	F		VF												0.4	11	31		F															
TAC73	8.35			7.8	60	F	VF	VF		VR		F	VR							0.35	19	7		VR	F														
TSC51	3.6	0.1	98	2.9	80	1	1			R		R	F							0.5	4	35		R				0.05	0.02		0.03								
TSC52	5.55	0.1	97	4.75	85	F				R		VF	F							0.6	13	49						0.05	0.04		0.01								
TSC53	29.1	0.15	90	19.1	80	F	R	F	VR	F		VF	R							0.3	30	60		VR															
TSC54	14.3	0.2	80	13.6	92	F	R	R				VR	R							0.4	12	14		VR															

(1)Mt TSC56:Magnetite (2)Il:Ilmenite (3)Lm:Limonite (4)Hm:Hematite (5)Ga:Garnet (6)St:Staurolite (7)Ep:Epidote (8)Sd:Siderite (9)Tl:Tourmaline (10)Px:Pyroxene (11)Se:Serpentine (12)Cr:Chromite
(13)Wf:Wolf TSC57ramite (14)Mz:Monazite (15)Cs:Cassiterite (16)Mc:Malachite (17)Zr:Zircon (18)Rt:Rutile (19)Hg:Mercury (20)Py:Pyrite (21)Au:Gold (22)Ap:Arsenopyrite

9. Microscopic Observations of Panned Concentrate Geochemical Samples in the Western Thanh Hoa Area (2)

F:few VF:very few R:rare VR:very rare -:trace

Sample No.	Analytical weight	Fine grained minerals(1mm>)																								Coarse grained minerals(1mm<)										
		Strong magnetic minerals		Weak magnetic minerals																no magnetic and heavy minerals																
		weight	Mt (1)	weight	Il (2)	Lm (3)	Hm (4)	Ga (5)	St (6)	Ep (7)	Sd (8)	Tl (9)	Px (10)	Se (11)	Cr (12)	Wf (13)	Mz (14)	Cs (15)	Mc (16)	weight	Zr (17)	Rt (18)	Hg (19)	Py (20)	Cs (15)	Au (21)	Mc (16)	weight	Il (2)	Cs (15)	Lm (3)	Se (11)	St (6)	Ga (5)	Py (20)	Hm (4)	Px (10)	Mt (1)	Mc (16)
	(g)	(g)	(%)	(g)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(g)	(%)	(%)	(grn)	(%)	(%)	(grn)	(%)	(g)	(g)	(g)	(g)	(g)	(g)	(g)	(g)	(g)	(g)	(g)
TSC55	8.95	0.1	98	8.1	47	VF														0.45	8	69		1				0.1	0.05		F				R				
TSC56	6.1	0.05	90	5.7	60		VF													0.2	9	50		F														
TSC57	4.6			2.9	75	VF	F	R		R			VF							0.9	4	50						0.15	F		0.1			R				
TSC58	3.5			1.65	80	VF	VF	VF				F	VF							0.1	41	11		R														
TSC59	1.6			0.8	75	VF		F				2								0.1	43	7		VF														
TSC60	7.5	0.05	97	6.6	92	F		F				F								0.3	55	11		F	R	1	R											
TSC61	8.4			7.0	80	R		3		R		R	1						R	0.8	10	40		R			F	F			R			R		VF		
TSC62	13.0	0.2	95	11.3	80	F	VF	F		R		R	F							0.9	17	66		R				0.2	R		0.19				VF			
TSC63	15.45	0.1	93	13.1	85	F	F	2	F	F		F	F	F					R	0.8	22	35		VR				0.15	0.05		F	F			R	F	R	
TSC64	3.05			2.65	67	F	F	VR		VR	VR	R	F	F						0.3	10	3		VR														
TSC65	1.7			1.3	50	F														0.3	6	68		F														
TSC66	7.45			7.0	95	F				R										0.45	5	90		F														
TSC67	4.0			3.6	85	VF														0.4	8	64		VF														
TSC68	50.7			49.5	97		VF													1.0	5	61		F				0.2	0.05		0.15							
TSC69	9.8			9.0	88	F	R						R							0.7	19	71		R														
TSC70	8.7			8.0	87	VF							R							0.6	5	65		VF														
TSC71	21.6			21.0	95	VF							VF							0.5	14	72																
TSC72	5.1	0.2	97	3.2	80	VF	R	2	2	R		F	1	F						0.4	40	30																
TSC73	3.65	0.05	96	2.9	90	F	F	2	3	VR		VF	R	R		R		R		0.2	20	F		VR	5													
TSC74	10.4	0.15	93	6.45	93	F	F	F	F	VR		VF	R	R		1		VR		0.3	20	F		R	33													
LSC 1	2.85	0.15	93	2.1	75	F	F	VR		VR		VF							VR	0.1	9	4		12		1												
TBC51	11.0	0.05	90	1.0	82	3	1	VR		VR		VF	VF	R						0.05	13	F		F	F			0.03	F		R							
TBC52	16.5	0.2	85	0.7	10	2	1			R		VF	VF	F						0.3	40	7		VR	F													
TBC53	3.51	0.01	93	3.2	11	F	VF	VF		VF	VF			33			VR			0.1	10	58																
TBC54	14.1	0.1	90	11.1	67	VF		VF				VF		F			R			0.7	11	56																
TBC55	13.7	0.2	94	11.7	66	R		VF	R											0.5	11	86																
TBC56	15.4	0.1	96	13.3	85		R	F												0.7	17	49		VR														
TBC57	8.1	0.2	95	7.4	85		R	F												0.2	9	55																
TBC58	6.07	2.9	98	2.9	75	VF	F	VF		R		R	R							0.05	38	42																
TBC59	10.3			7.6	83	R	VF	F	VR	VR		VF	R							0.7	23	25		VR	R													
TBC60	5.32	0.02	66	4.0	63	F	R	VR				VF	R							0.5	11	3		VR														
TBC61	10.3	F	VF	8.1	91	VF	VF	F		R										0.7	13	36																
TBC62	3.91	0.01	50	2.4	66	VF			R	VF			VF							0.5	2	6		F														
TBC63	4.7	0.1	97	2.0	50			5	VF			4		VF						0.6	8	16																
TBC64	14.6			2.0	35	F	R					VF	F	F						0.5	12	22		R														
TBC65	14.9			6.2	66	1	R	VR		VF		VF	R	R						0.5	4	14		VR	VR													
TBC66	12.0			1.3	11	1	R	R				VF	F	14						0.5	23	23																
TBC67	9.7			7.7	67								VF							0.6	9	10		F														
TBC68	8.4	0.5	98	6.9	73	VF		7	F			F								0.7	27	26			R													

(1)Mt:Magnetite (2)Il:Ilmenite (3)Lm:Limonite (4)Hm:Hematite (5)Ga:Garnet (6)St:Staurolite (7)Ep:Epidote (8)Sd:Siderite (9)Tl:Tourmaline (10)Px:Pyroxene (11)Se:Serpentine (12)Cr:Chromite
(13)Wf:Wolframite (14)Mz:Monazite (15)Cs:Cassiterite (16)Mc:Malachite (17)Zr:Zircon (18)Rt:Rutile (19)Hg:Mercury (20)Py:Pyrite (21)Au:Gold (22)Ap:Arsenopyrite

9. Microscopic Observations of Panned Concentrate Geochemical Samples in the Western Thanh Hoa Area (3)

10. Assay Results on Soil Geochemical Samples in the Suoi Boc - Suoi Cu Mineralization Zone (1)

No.	Sample No.	Au	Ag	Cu	Pb	Zn	Cd	As	Sb	Hg
	Unit	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb
1	VMB 1	<1	0.18	22.3	33.3	92	0.1	14.0	<0.2	42
2	VMB 2	<1	0.05	31.4	37.7	101	0.2	7.9	<0.2	40
3	VMB 3	<1	<0.02	18.8	25.5	45	0.1	2.1	<0.2	43
4	VMB 4	<1	0.05	23.6	76.8	146	0.2	11.6	<0.2	50
5	VMB 5	<1	14.36	66.0	29,842.8	73,754	165.2	198.7	31.5	810
6	VMB 6	<1	2.98	27.4	8,104.2	11,338	10.7	54.7	11.1	683
7	VMB 7	<1	0.04	16.8	86.6	144	0.3	20.5	<0.2	45
8	VMB 8	<1	<0.02	18.7	247.7	952	2.6	5.5	0.9	96
9	VMB 9	<1	<0.02	14.0	17.0	48	0.1	3.2	0.2	42
10	VMB 10	<1	<0.02	22.5	26.2	87	0.1	9.2	<0.2	61
11	VMB 11	1	0.14	23.0	28.2	75	0.1	32.6	<0.2	41
12	VMB 12	1	<0.02	16.5	26.0	40	0.1	1.3	<0.2	37
13	VMB 13	<1	<0.02	19.8	24.9	63	0.2	<0.2	0.2	66
14	VMB 14	<1	0.25	30.1	21.8	71	0.1	31.9	0.3	65
15	VMB 15	2	0.21	13.9	21.3	42	0.1	27.3	<0.2	49
16	VMB 16	<1	0.17	17.5	75.6	84	0.1	36.6	<0.2	54
17	VMB 17	<1	0.54	34.6	212.6	758	0.6	52.5	2.3	90
18	VMB 18	<1	0.40	21.8	64.4	199	0.4	43.3	<0.2	44
19	VMB 19	<1	6.40	45.1	4,658.6	7,991	10.4	143.7	5.9	625
20	VMB 20	<1	4.63	43.7	2,033.0	1,906	7.5	153.6	5.7	228
21	VHB 1	<1	0.25	16.9	94.3	133	0.1	9.5	<0.2	40
22	VHB 2	<1	0.24	15.5	65.5	109	0.3	23.2	<0.2	39
23	VHB 3	<1	0.53	43.1	184.3	565	0.9	62.9	1.3	78
24	VHB 4	<1	0.70	22.6	657.3	236	0.4	24.2	1.0	59
25	VHB 5	<1	1.48	43.0	822.1	1,302	1.7	68.0	3.4	105
26	VHB 6	<1	0.63	44.3	452.1	515	0.4	39.9	1.4	101
27	VHB 7	<1	1.61	64.1	548.2	1,433	1.1	99.4	2.8	107
28	VHB 8	1	0.47	24.9	235.7	669	1.4	21.6	1.5	67
29	VHB 9	<1	1.93	55.4	948.7	1,990	4.2	86.3	3.0	133
30	VHB 10	<1	1.21	41.9	795.0	1,282	0.9	81.6	2.4	113
31	VHB 11	<1	0.99	38.7	878.8	764	1.0	69.2	1.3	147
32	VHB 12	1	<0.02	13.7	33.9	58	0.1	<0.2	<0.2	68
33	VHB 13	<1	0.02	9.8	25.0	60	0.2	0.9	<0.2	82
34	VHB 14	<1	0.07	13.7	27.3	77	0.1	10.4	<0.2	55
35	VHB 15	<1	0.16	14.6	26.6	54	0.1	6.0	<0.2	42
36	VHB 16	1	0.09	17.8	20.5	50	0.1	7.6	<0.2	50
37	VHB 17	<1	<0.02	8.0	13.5	40	0.1	<0.2	<0.2	61
38	VHB 18	<1	<0.02	13.8	23.3	54	0.1	9.9	<0.2	61
39	VHB 19	<1	<0.02	12.8	25.9	46	0.1	<0.2	<0.2	68
40	VAB 1	3	0.11	26.0	35.5	83	0.1	7.9	<0.2	83
41	VAB 2	<1	0.12	24.2	41.4	99	0.1	6.7	<0.2	46
42	VAB 3	<1	<0.02	9.3	20.5	51	0.1	<0.2	<0.2	40
43	VAB 4	1	<0.02	11.0	23.6	94	0.1	0.8	<0.2	42
44	VAB 5	<1	<0.02	10.7	70.1	129	0.3	75.7	0.6	66
45	VAB 6	<1	0.10	16.4	37.8	118	0.1	1.9	<0.2	55
46	VAB 7	<1	0.05	16.1	25.0	68	0.1	<0.2	<0.2	52
47	VAB 8	<1	0.19	28.1	37.4	66	0.1	10.5	<0.2	64
48	VAB 9	<1	<0.02	8.9	13.3	38	0.1	<0.2	<0.2	55
49	VAB 10	6	<0.02	22.9	32.3	84	0.1	11.5	0.7	60
50	VAB 11	<1	0.11	23.5	35.5	138	0.1	<0.2	<0.2	66
51	VAB 12	<1	0.30	26.8	38.0	101	0.3	9.0	<0.2	46
52	VAB 13	<1	0.38	31.0	35.8	108	0.2	9.5	<0.2	44
53	VAB 14	<1	0.31	14.8	24.3	73	0.1	10.4	<0.2	48
54	VAB 15	<1	0.26	19.7	30.1	83	0.2	<0.2	<0.2	45
55	VAB 16	<1	0.27	20.8	28.9	99	0.4	<0.2	<0.2	51
56	VAB 17	<1	0.45	14.9	30.4	103	0.5	3.1	<0.2	60
57	VAB 18	<1	0.67	15.7	32.9	66	0.2	7.3	0.2	53
58	VAB 19	1	0.15	20.1	31.9	59	<0.1	12.5	0.3	56
59	VAB 20	<1	0.14	25.9	41.7	62	0.1	10.7	<0.2	38
60	VSB 1	<1	1.10	12.9	276.4	439	0.6	47.7	0.3	36
61	VSB 2	<1	1.45	26.0	606.1	568	0.4	134.6	1.0	60
62	VSB 3	<1	0.47	17.7	83.0	56	0.1	81.0	<0.2	50

10. Assay Results on Soil Geochemical Samples in the Suoi Boc - Suoi Cu Mineralization Zone (2)

No.	Sample No. Unit	Au ppb	Ag ppm	Cu ppm	Pb ppm	Zn ppm	Cd ppm	As ppm	Sb ppm	Hg ppb
63	VSB 4	<1	0.16	19.0	16.6	57	0.1	17.1	<0.2	51
64	VSB 5	<1	0.47	22.3	85.5	197	0.2	44.2	1.3	44
65	VSB 6	<1	0.38	17.7	18.2	79	0.2	17.7	<0.2	43
66	VSB 7	<1	0.44	19.8	16.6	53	0.1	10.3	<0.2	40
67	VSB 8	<1	0.45	11.1	40.3	57	0.1	54.9	<0.2	49
68	VSB 9	<1	0.53	11.6	70.7	56	0.2	160.9	<0.2	53
69	VSB 10	<1	7.40	27.5	1,367.0	1,704	4.6	111.0	4.4	170
70	VSB 11	<1	1.21	18.5	35.8	59	0.1	168.0	<0.2	50
71	VSB 12	<1	0.15	17.6	41.0	56	0.1	30.3	0.4	39
72	VSB 13	<1	0.23	14.5	24.2	50	0.1	12.7	<0.2	53
73	VSB 14	<1	0.23	22.5	29.3	56	0.1	2.5	<0.2	57
74	VSB 15	<1	0.12	24.4	30.7	68	0.1	<0.2	<0.2	49
75	VSB 16	<1	<0.02	13.2	23.6	58	0.1	<0.2	<0.2	67
76	VSB 17	<1	0.65	14.6	149.7	481	0.1	67.0	1.0	41
77	VSB 18	<1	0.09	26.2	39.3	107	<0.1	8.6	<0.2	57
78	VSB 19	<1	6.24	159.6	4,790.9	10,557	18.6	439.5	16.2	574
79	VSB 20	<1	1.07	38.8	702.6	908	2.8	41.0	1.0	109
80	VBB 1	<1	0.73	42.9	273.5	1,536	0.5	77.8	1.6	98
81	VBB 2	<1	0.37	21.0	36.6	89	0.3	11.5	<0.2	60
82	VBB 3	<1	0.31	27.4	71.9	141	0.2	9.8	<0.2	59
83	VBB 4	<1	0.43	22.6	176.3	176	0.5	43.6	<0.2	62
84	VBB 5	<1	0.34	23.5	43.1	96	0.2	6.4	<0.2	61
85	VBB 6	1	0.43	24.7	99.1	165	0.4	58.5	0.3	53
86	VBB 7	1	0.18	15.7	25.0	68	0.2	<0.2	<0.2	126
87	VBB 8	1	0.06	16.6	35.1	115	0.1	2.0	0.3	89
88	VBB 9	1	<0.02	12.4	26.4	69	0.1	<0.2	<0.2	50
89	VBB 10	2	0.20	20.9	42.7	63	<0.1	13.1	0.4	70
90	VBB 11	<1	0.19	15.9	24.2	51	<0.1	12.5	<0.2	55
91	VBB 12	<1	0.13	17.6	29.4	67	0.1	10.8	<0.2	60
92	VBB 13	<1	0.14	26.3	34.4	70	<0.1	12.2	<0.2	64
93	VBB 14	<1	0.02	20.9	31.0	44	<0.1	13.7	<0.2	62
94	VBB 15	1	0.15	20.8	34.0	92	0.1	13.9	<0.2	92
95	VBB 16	<1	0.26	17.4	41.5	91	0.1	15.6	<0.2	74
96	VBB 17	<1	0.26	22.0	31.3	101	0.2	13.1	<0.2	37
97	VBB 18	<1	0.21	24.0	35.9	99	0.1	11.8	<0.2	45
98	VBB 19	<1	0.17	17.7	52.8	53	0.1	10.4	0.3	57
99	VBB 20	<1	0.23	18.9	35.4	73	0.2	4.5	<0.2	53
100	VBB 21	<1	0.21	24.4	34.4	79	0.1	11.2	1.2	45

11. Assay Results on Soil Geochemical Samples in the Luong Son Mineralization Zone (1)

No.	Sample No. Unit	Au ppb	Ag ppm	Cu ppm	Pb ppm	Zn ppm	As ppm	Sb ppm	Hg ppb
1	TGB 1	<1	<0.02	125.5	76.7	93	<0.2	2.9	83
2	TGB 2	1	0.02	75.8	41.3	81	<0.2	3.3	58
3	TGB 3	8	<0.02	231.1	40.9	86	<0.2	4.3	72
4	TGB 4	1	<0.02	34.5	55.1	66	<0.2	1.0	59
5	TGB 5	<1	0.12	266.6	190.1	168	1.0	3.0	85
6	TGB 6	<1	0.24	91.2	105.2	144	<0.2	2.9	72
7	TGB 7	<1	0.03	58.5	75.8	113	<0.2	2.1	152
8	TGB 8	<1	<0.02	27.3	65.4	81	4.7	2.5	59
9	TGB 9	<1	<0.02	27.0	55.6	112	<0.2	3.5	54
10	TGB 10	2	<0.02	25.8	111.2	70	12.2	3.1	92
11	TGB 11	<1	<0.02	25.4	59.2	113	1.6	2.0	51
12	TGB 12	1	0.14	37.9	62.1	153	12.9	1.9	64
13	TGB 13	<1	0.10	70.6	67.9	209	14.5	3.6	85
14	TGB 14	<1	0.35	73.3	150.9	100	1.3	4.0	76
15	TGB 15	3	0.10	78.6	74.5	131	8.8	4.8	47
16	TGB 16	<1	<0.02	127.7	29.4	70	<0.2	2.5	61
17	TGB 17	<1	<0.02	259.1	68.8	97	7.6	3.6	56
18	TGB 18	9	<0.02	19.0	50.9	87	2.3	1.9	57
19	TGB 19	<1	0.03	296.5	55.6	118	10.0	6.5	46
20	TGB 20	<1	0.26	86.4	35.2	85	2.0	4.9	56
21	TGB 21	2	0.04	147.4	42.3	73	4.0	2.9	70
22	TGB 22	4	0.02	81.2	43.5	76	3.2	3.3	56
23	TGB 23	<1	<0.02	132.6	54.4	65	5.9	2.7	72
24	TGB 24	5	0.04	85.6	44.5	55	<0.2	1.9	60
25	TGB 25	3	0.03	73.0	41.5	92	4.3	0.8	24
26	TGB 26	5	0.17	301.1	105.4	100	<0.2	2.8	56
27	TGB 27	1	<0.02	175.2	78.8	99	<0.2	3.3	63
28	TGB 28	<1	0.07	94.3	107.1	83	<0.2	2.3	73
29	TGB 29	<1	<0.02	91.0	40.1	70	2.6	0.9	55
30	TGB 30	2	0.03	89.9	25.2	45	<0.2	2.0	44
31	TGB 31	1	<0.02	72.5	238.3	126	10.0	4.1	56
32	TGB 32	<1	<0.02	31.3	399.3	102	14.7	3.3	75
33	TGB 33	<1	<0.02	94.7	76.0	80	3.3	2.5	56
34	TGB 34	<1	<0.02	52.2	79.8	96	3.4	2.7	60
35	TGB 35	<1	<0.02	25.3	30.1	66	<0.2	2.6	56
36	TGB 36	4	<0.02	31.8	35.8	75	<0.2	2.1	51
37	TGB 37	<1	<0.02	26.1	67.9	87	2.2	2.1	62
38	TGB 38	<1	<0.02	21.3	52.4	101	1.6	4.2	66
39	TGB 39	5	<0.02	21.2	44.4	81	<0.2	1.6	65
40	TGB 40	<1	<0.02	25.7	81.0	104	2.1	2.3	129
41	TGB 41	<1	<0.02	17.2	46.4	60	<0.2	2.6	62
42	TGB 42	<1	<0.02	28.5	41.1	66	1.3	2.3	159
43	TGB 43	2	<0.02	26.7	40.2	49	<0.2	2.5	49
44	TGB 44	15	<0.02	16.7	33.2	67	5.3	1.2	59
45	TGB 45	1	<0.02	31.2	46.6	64	2.1	2.1	52
46	TGB 46	5	<0.02	36.5	39.3	57	1.7	2.3	42
47	TGB 47	3	<0.02	46.9	167.1	116	17.3	5.0	228
48	TGB 48	<1	<0.02	28.9	100.6	96	10.4	2.5	93
49	TGB 49	2	<0.02	25.1	55.9	81	3.0	1.7	195
50	TGB 50	2	<0.02	27.8	60.5	84	3.1	3.4	60
51	TGB 51	<1	<0.02	41.8	72.8	104	4.7	3.5	116
52	TGB 52	<1	<0.02	22.5	41.3	64	<0.2	1.4	51
53	TGB 53	3	<0.02	24.6	69.2	73	6.7	2.6	56
54	TGB 54	1	<0.02	26.3	30.3	61	8.1	4.0	46
55	TGB 55	1	0.02	34.9	37.8	101	2.1	2.2	40
56	TGB 56	1	<0.02	26.2	31.1	65	5.4	2.4	128
57	TGB 57	<1	<0.02	28.9	39.5	59	<0.2	2.3	66
58	TGB 58	<1	0.30	43.5	182.4	328	104.6	17.1	78
59	TGB 59	1	0.43	39.8	209.4	279	26.2	6.4	72
60	TGB 60	<1	0.22	36.8	160.6	186	11.5	4.6	64
61	TGB 61	2	0.05	40.6	241.2	236	61.3	9.2	83
62	TGB 62	1	<0.02	54.8	124.9	188	84.2	6.4	64

11. Assay Results on Soil Geochemical Samples in the Luong Son Mineralization Zone (2)

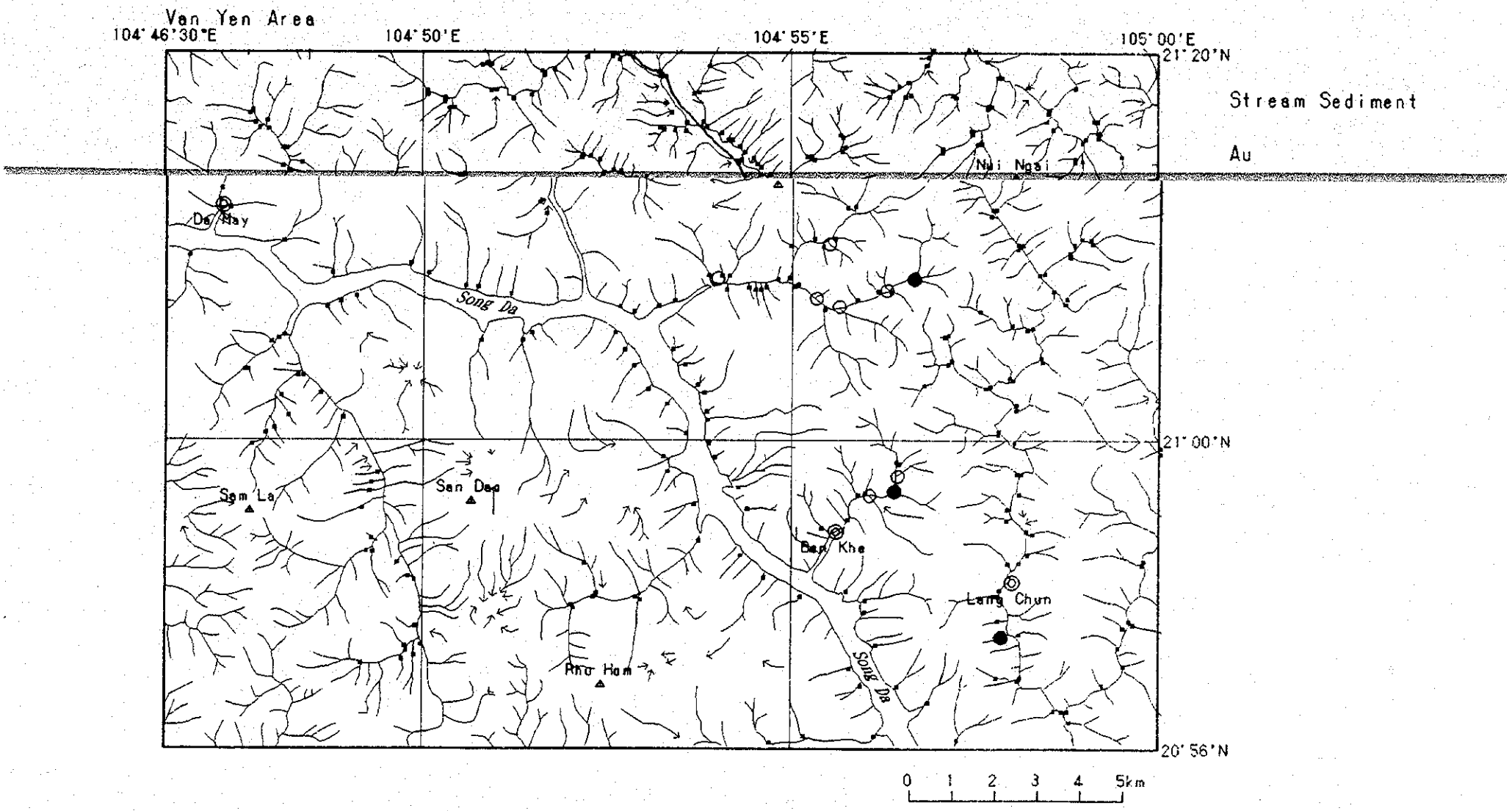
No.	Sample No. Unit	Au ppb	Ag ppm	Cu ppm	Pb ppm	Zn ppm	As ppm	Sb ppm	Hg ppb
63	TGB 63	<1	<0.02	78.6	100.9	161	1.4	4.6	94
64	TGB 64	2	0.02	76.8	95.4	160	6.1	4.7	83
65	TGB 65	<1	<0.02	83.4	154.9	205	3.6	3.4	86
66	TGB 66	<1	0.04	71.5	141.9	186	<0.2	4.7	106
67	TGB 67	5	<0.02	33.5	77.8	167	48.5	19.7	72
68	TGB 68	2	<0.02	37.7	46.6	67	<0.2	3.5	68
69	THB 1	13	0.23	31.3	17.7	39	0.5	3.2	66
70	THB 2	1	0.53	17.5	56.3	85	<0.2	2.6	51
71	THB 3	4	0.04	85.1	32.1	52	30.9	10.2	149
72	THB 4	25	0.33	12.9	22.0	33	18.5	2.5	36
73	THB 5	2	0.34	68.5	30.0	67	46.4	2.1	52
74	THB 6	<1	0.41	148.9	27.8	94	41.7	2.2	71
75	THB 7	1	0.48	76.7	45.4	101	53.2	2.7	75
76	THB 8	1	0.35	25.7	27.6	47	19.6	4.0	45
77	THB 9	<1	0.11	104.5	35.9	51	33.4	10.9	54
78	THB 10	<1	0.19	63.6	40.1	65	32.0	9.4	58
79	THB 11	4	0.58	10.2	36.6	83	9.0	5.5	40
80	THB 12	<1	<0.02	107.1	78.0	146	40.9	12.8	73
81	THB 13	<1	0.31	42.4	48.1	77	10.7	4.5	66
82	THB 14	<1	0.25	36.6	67.5	142	20.8	4.6	67
83	THB 15	1	0.29	44.8	128.3	115	1.7	3.2	78
84	THB 16	2	0.18	47.4	38.1	46	7.8	1.9	30
85	THB 17	1	0.11	63.0	92.8	100	1.3	3.5	58
86	THB 18	<1	0.06	41.0	67.4	77	1.5	1.7	35
87	THB 19	<1	0.15	53.4	79.1	88	11.8	2.4	44
88	THB 20	<1	0.17	52.4	38.7	48	0.8	1.3	64
89	THB 21	2	0.10	106.8	46.2	62	3.9	2.8	44
90	THB 22	<1	<0.02	147.9	42.0	55	<0.2	1.8	138
91	THB 23	5	0.03	61.1	59.5	61	14.8	3.6	111
92	THB 24	1	0.16	22.9	73.1	79	21.5	2.8	72
93	THB 25	1	0.16	29.7	85.8	92	17.6	4.2	71
94	THB 26	4	<0.02	15.0	47.2	43	8.8	3.4	48
95	THB 27	10	0.76	28.1	42.2	104	10.2	5.2	84
96	THB 28	15	0.33	33.7	54.8	98	19.1	7.4	54
97	THB 29	<1	0.25	25.1	20.8	36	<0.2	1.0	65
98	THB 30	<1	0.20	132.8	37.2	67	36.5	1.9	49
99	THB 31	2	0.25	181.5	35.0	69	43.7	3.0	76
100	THB 32	3	0.16	30.0	578.4	88	70.6	9.7	68
101	THB 33	<1	0.12	25.3	60.9	71	67.7	4.3	80
102	THB 34	3	0.42	3.9	21.0	20	19.6	1.4	36
103	THB 35	1	<0.02	25.0	91.8	158	20.1	3.8	65
104	THB 36	<1	0.20	57.9	116.6	122	4.6	4.0	101
105	THB 37	<1	0.22	88.5	184.5	107	1.6	5.2	49
106	THB 38	1	0.25	67.3	194.9	372	35.7	9.1	91
107	THB 39	<1	0.05	56.6	843.8	240	32.9	5.6	65
108	THB 40	<1	0.09	41.3	58.8	81	4.5	3.3	75
109	THB 41	1	0.22	35.5	57.7	77	9.0	3.2	60
110	THB 42	<1	0.25	26.8	29.5	64	11.1	3.9	79
111	THB 43	<1	0.16	24.8	28.8	59	16.6	4.9	86
112	THB 44	1	<0.02	24.4	35.4	86	3.3	2.5	65
113	THB 45	2	0.20	85.3	36.0	75	16.3	9.1	109
114	THB 46	1	0.25	68.5	128.9	124	3.0	7.5	85
115	THB 47	<1	0.06	101.2	31.9	44	<0.2	2.9	196
116	THB 48	<1	0.23	39.5	44.6	53	<0.2	2.6	33
117	THB 49	<1	0.02	59.5	54.1	71	<0.2	3.2	51
118	THB 50	<1	0.08	36.5	40.3	82	2.9	3.5	44
119	THB 51	<1	0.05	49.3	114.7	100	13.7	5.5	66
120	THB 52	<1	0.15	80.2	15.5	32	<0.2	1.6	27
121	THB 53	<1	0.25	51.0	80.0	80	11.6	1.9	48
122	THB 54	<1	0.07	112.4	37.1	56	32.1	2.0	67
123	THB 55	<1	0.53	29.8	179.1	189	<0.2	3.8	92
124	THB 56	<1	0.45	64.0	340.6	201	18.7	4.3	74

11. Assay Results on Soil Geochemical Samples in the Luong Son Mineralization Zone (3)

No.	Sample No. Unit	Au ppb	Ag ppm	Cu ppm	Pb ppm	Zn ppm	As ppm	Sb ppm	Hg ppb
125	THB 57	<1	0.34	27.8	69.3	127	8.6	6.2	126
126	THB 58	1	0.45	55.4	93.0	184	0.3	3.3	133
127	THB 59	<1	0.02	29.8	131.2	87	<0.2	1.8	90
128	THB 60	<1	0.32	34.2	59.1	52	15.7	3.7	42
129	THB 61	<1	0.30	5.7	34.9	24	171.1	3.3	61
130	THB 62	<1	0.20	23.8	29.6	31	5.2	6.7	61
131	THB 63	<1	0.55	30.4	114.4	127	22.5	1.8	94
132	THB 64	<1	0.30	77.6	103.9	174	23.8	3.1	61
133	THB 65	<1	0.57	18.6	113.8	96	74.7	2.5	53
134	THB 66	<1	0.36	123.8	531.7	211	3.5	4.8	84
135	THB 67	<1	0.69	10.0	83.6	44	47.2	2.3	60
136	THB 68	<1	0.60	10.4	170.0	45	78.7	2.7	59
137	THB 69	<1	0.44	6.5	67.2	53	42.5	2.2	57
138	THB 70	<1	0.28	48.3	126.1	51	41.4	1.6	74
139	TSB 1	<1	0.21	7.6	258.7	13	4.9	3.8	54
140	TSB 2	1	<0.02	36.4	38.0	68	7.0	3.4	54
141	TSB 3	87	<0.02	29.9	38.5	101	<0.2	1.8	61
142	TSB 4	72	0.17	1.9	12.2	14	4.9	1.4	27
143	TSB 5	1	0.27	11.9	28.8	42	5.0	1.4	29
144	TSB 6	<1	0.24	7.0	19.6	20	2.3	2.7	43
145	TSB 7	2	0.26	3.6	15.3	15	3.2	1.5	31
146	TSB 8	<1	0.24	4.0	15.2	19	<0.2	0.7	41
147	TSB 9	<1	0.24	6.0	15.6	18	4.0	2.5	25
148	TSB 10	<1	0.10	3.0	13.4	27	<0.2	1.4	31
149	TSB 11	8	0.04	42.0	43.9	49	<0.2	4.4	63
150	TSB 12	4	<0.02	102.6	43.8	66	<0.2	1.5	43
151	TSB 13	1	0.03	28.7	57.9	109	2.5	2.3	28
152	TSB 14	<1	<0.02	24.8	50.0	111	1.6	2.6	55
153	TSB 15	6	<0.02	24.0	46.1	70	<0.2	1.1	35
154	TSB 16	3	<0.02	27.7	48.4	84	2.2	1.6	36
155	TSB 17	<1	<0.02	29.1	86.8	117	10.1	3.1	59
156	TSB 18	5	<0.02	36.2	36.0	89	3.9	2.8	57
157	TSB 19	3	<0.02	20.8	31.9	70	10.3	3.5	44
158	TSB 20	12	<0.02	94.5	18.5	44	<0.2	1.1	46
159	TSB 21	3	<0.02	130.4	50.1	110	19.1	5.5	49
160	TSB 22	220	<0.02	99.5	32.3	88	<0.2	2.6	96
161	TSB 23	2	0.06	90.5	65.8	112	3.0	3.9	51
162	TSB 24	<1	<0.02	132.9	27.2	103	1.3	2.3	73
163	TSB 25	24	0.06	56.8	115.0	147	16.9	7.0	78
164	TSB 26	2	0.61	16.2	130.5	94	5.9	2.9	49
165	TSB 27	4	<0.02	21.4	26.6	46	3.7	1.1	61
166	TSB 28	7	0.37	3.1	12.2	18	4.3	1.6	37
167	TSB 29	1	<0.02	23.0	33.7	57	<0.2	1.7	46
168	TSB 30	2	<0.02	17.4	34.1	49	<0.2	2.0	60
169	TSB 31	1	<0.02	33.0	51.5	59	<0.2	0.4	57
170	TSB 32	<1	<0.02	32.6	50.5	90	1.9	2.1	62
171	TSB 33	3	<0.02	34.5	40.5	80	0.4	2.2	50
172	TSB 34	1	<0.02	17.5	49.3	62	<0.2	2.5	44
173	TSB 35	3	<0.02	22.7	31.4	48	<0.2	3.0	43
174	TSB 36	<1	<0.02	27.6	32.0	59	<0.2	1.8	51
175	TSB 37	3	<0.02	34.2	44.6	63	12.3	8.9	44
176	TSB 38	1	<0.02	20.8	36.4	61	7.2	4.6	48
177	TSB 39	1	<0.02	37.6	35.3	79	22.5	4.7	42
178	TSB 40	2	<0.02	32.2	37.8	127	0.2	2.8	54
179	TSB 41	1	<0.02	26.6	61.6	71	8.1	3.7	64
180	TSB 42	3	<0.02	35.3	80.9	96	34.7	4.5	69
181	TSB 43	5	<0.02	27.5	141.9	62	14.8	3.7	44
182	TSB 44	124	<0.02	20.3	127.5	74	23.3	10.5	42
183	TSB 45	1	<0.02	27.1	343.5	79	51.5	5.1	67
184	TSB 46	1	0.41	5.0	20.2	17	<0.2	1.8	33
185	TSB 47	3	<0.02	31.6	42.6	78	13.1	5.9	42
186	TSB 48	1	<0.02	21.6	23.0	79	<0.2	2.6	53

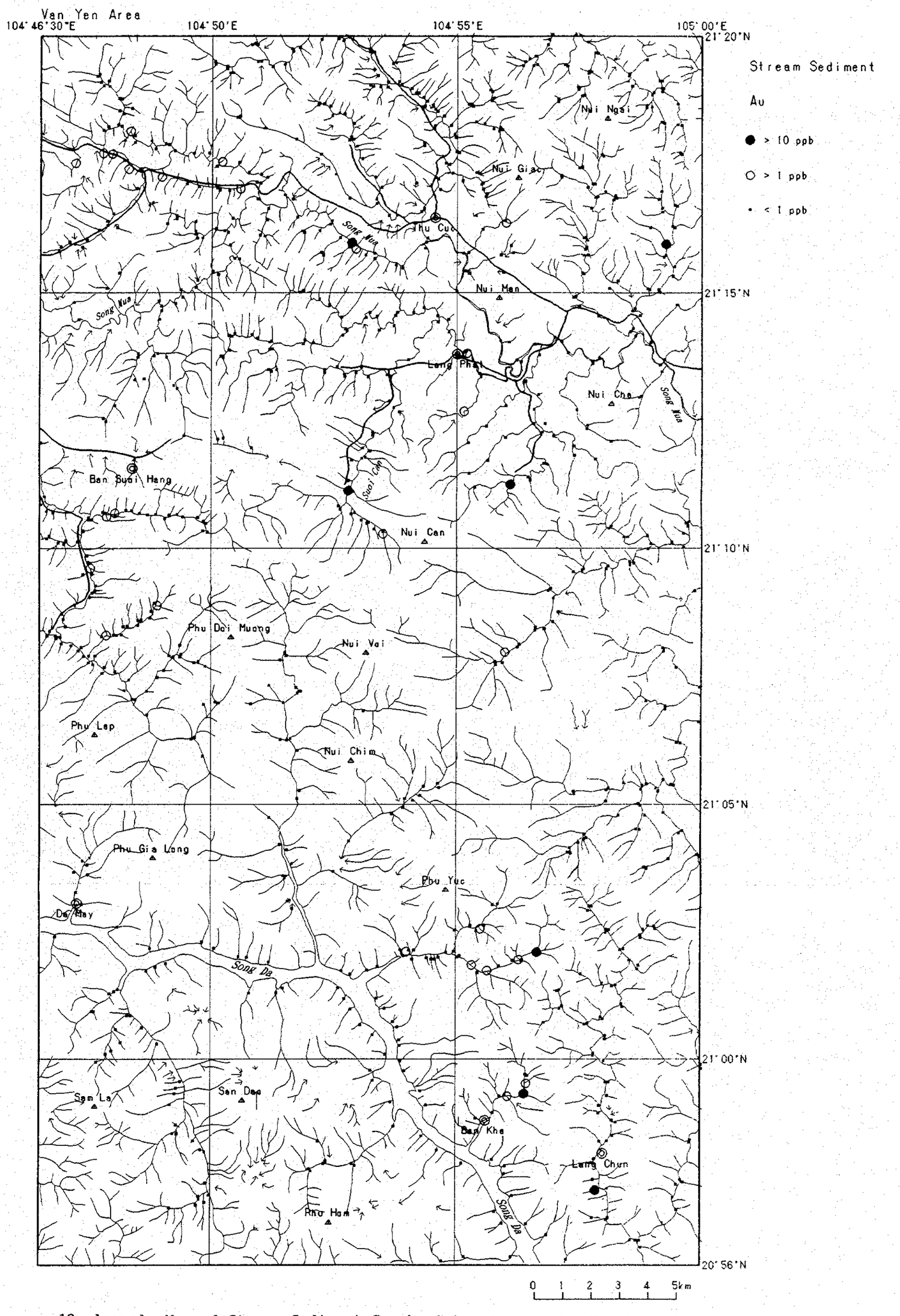
11. Assay Results on Soil Geochemical Samples in the Luong Son Mineralization Zone (4)

No.	Sample No. Unit	Au ppb	Ag ppm	Cu ppm	Pb ppm	Zn ppm	As ppm	Sb ppm	Hg ppb
187	TSB 49	<1	<0.02	33.9	51.2	115	14.0	3.8	51
188	TSB 50	3	<0.02	23.5	59.1	98	16.2	5.4	38
189	TSB 51	3	<0.02	34.7	42.4	101	16.7	3.5	62
190	TSB 52	52	<0.02	54.3	30.4	84	<0.2	2.6	42
191	TSB 53	5	<0.02	34.8	38.3	126	1.0	4.0	51
192	TSB 54	1	<0.02	16.8	31.9	56	4.0	2.2	29
193	TSB 55	2	<0.02	51.2	41.5	120	8.4	4.4	41
194	TSB 56	3	<0.02	37.2	57.4	105	7.3	3.5	47
195	TSB 57	12	<0.02	27.5	235.1	143	70.8	13.9	59
196	TSB 58	1	<0.02	28.3	167.5	148	53.6	9.1	51
197	TSB 59	33	0.23	52.5	364.3	277	34.7	9.2	58
198	TSB 60	<1	0.04	29.0	65.9	83	9.4	4.7	41
199	TSB 61	<1	<0.02	34.3	76.5	112	12.4	3.8	58
200	TSB 62	2	<0.02	92.8	111.8	213	57.1	6.0	70
201	TSB 63	<1	<0.02	45.6	164.4	95	43.2	12.8	41
202	TSB 64	2	<0.02	28.9	105.8	91	36.5	7.6	31
203	TSB 65	<1	<0.02	31.3	64.9	100	2.5	2.1	16
204	TSB 66	<1	<0.02	37.1	108.1	230	21.2	4.3	50
205	TSB 67	3	<0.02	38.0	59.5	142	39.1	4.6	48
206	TSB 68	4	<0.02	61.9	15.9	28	6.0	1.7	55
207	TSB 69	1	<0.02	41.2	69.6	114	3.8	4.6	41

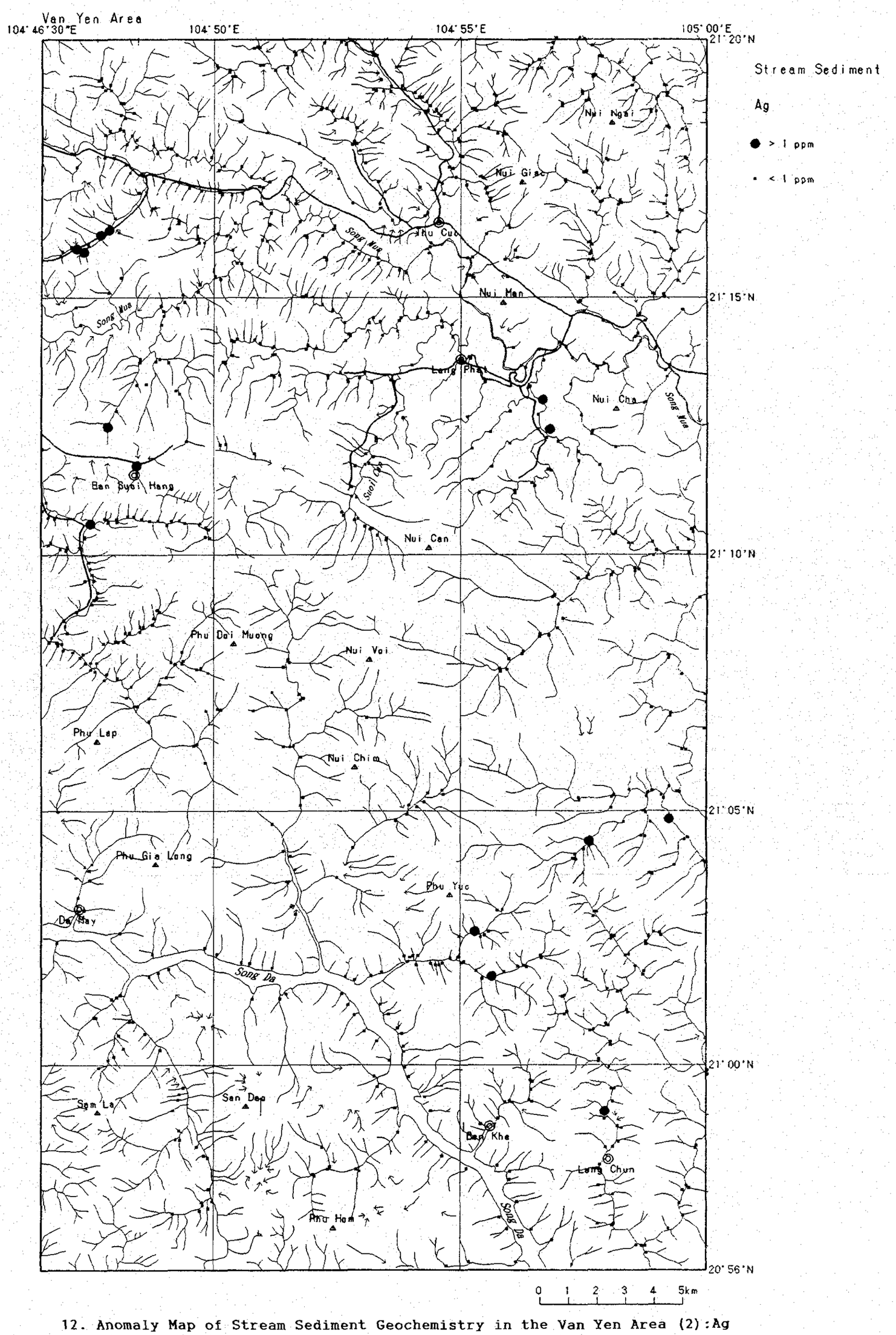


12. Anomaly Map of Stream Sediment Geochemistry in the Van Yen Area (1):Au

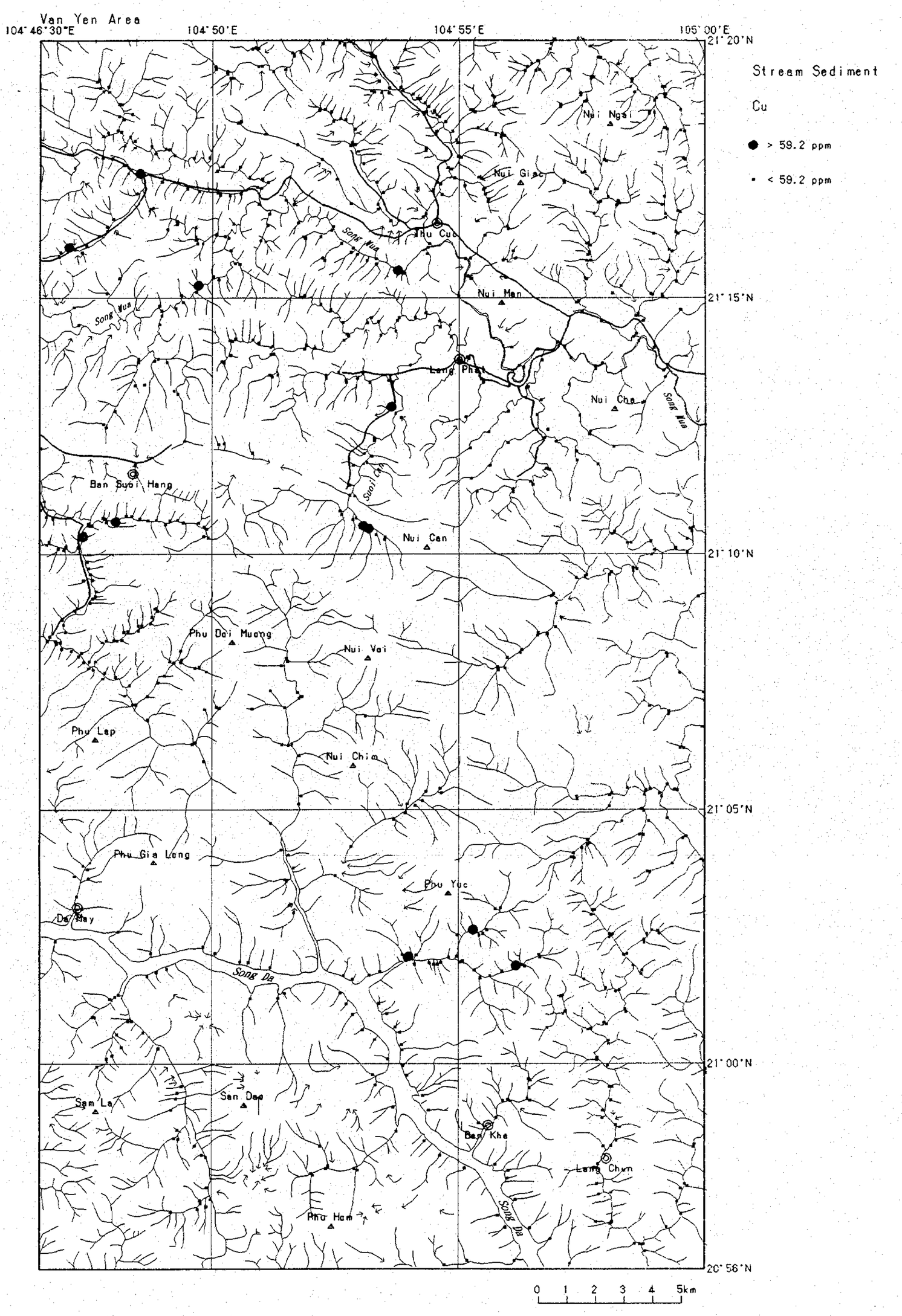
Van Yen Area



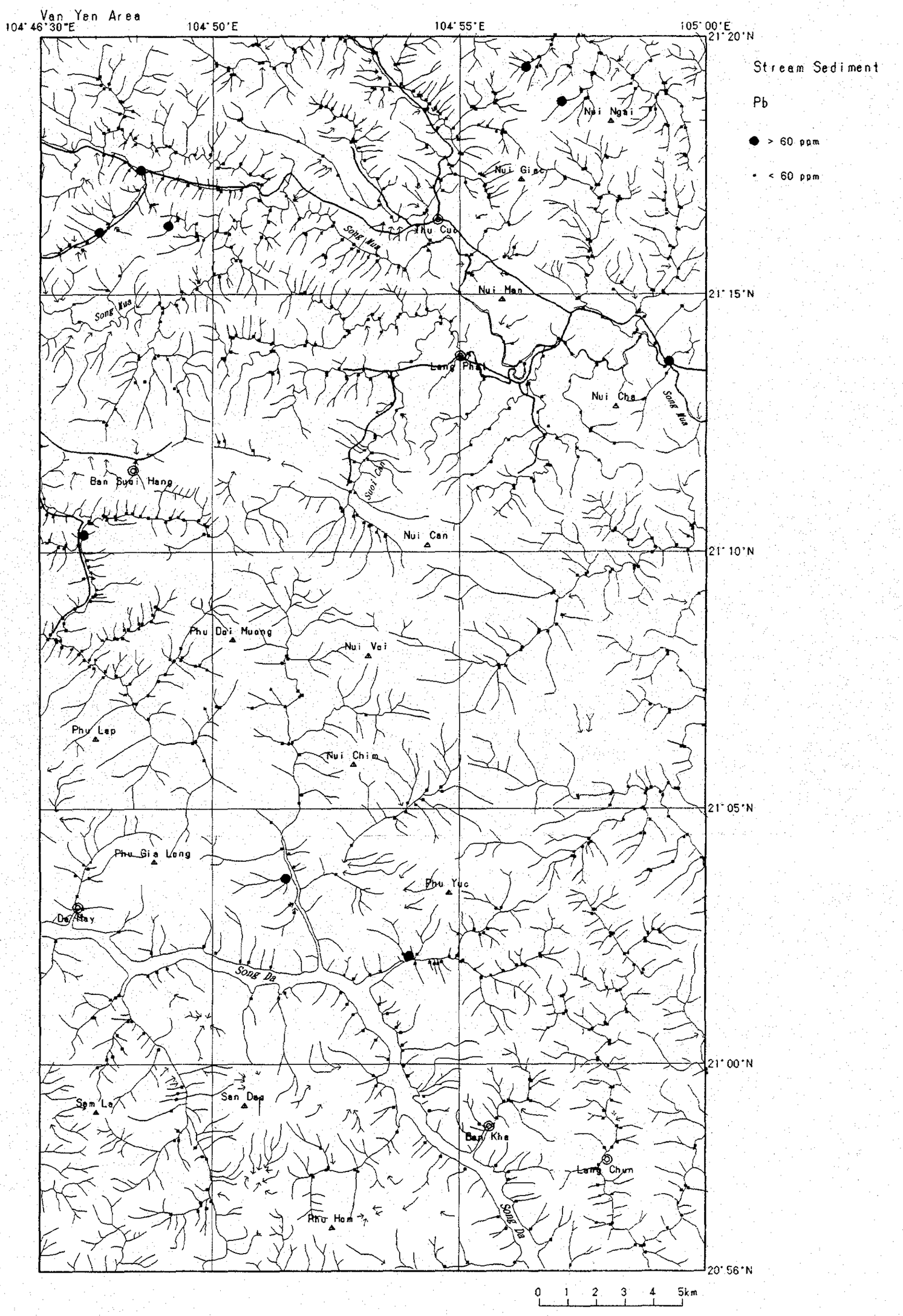
12. Anomaly Map of Stream Sediment Geochemistry in the Van Yen Area (1):Au



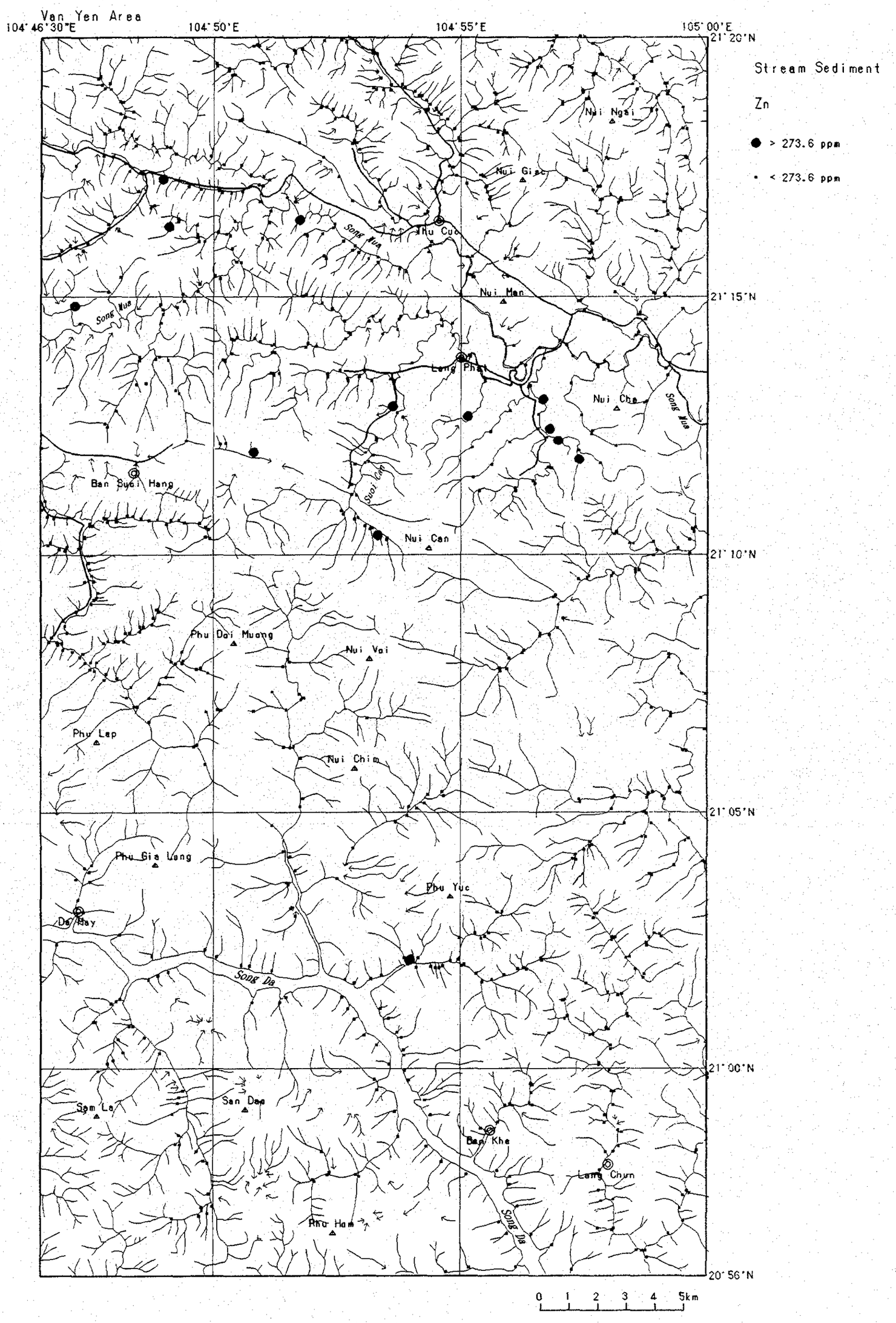
12. Anomaly Map of Stream Sediment Geochemistry in the Van Yen Area (2):Ag



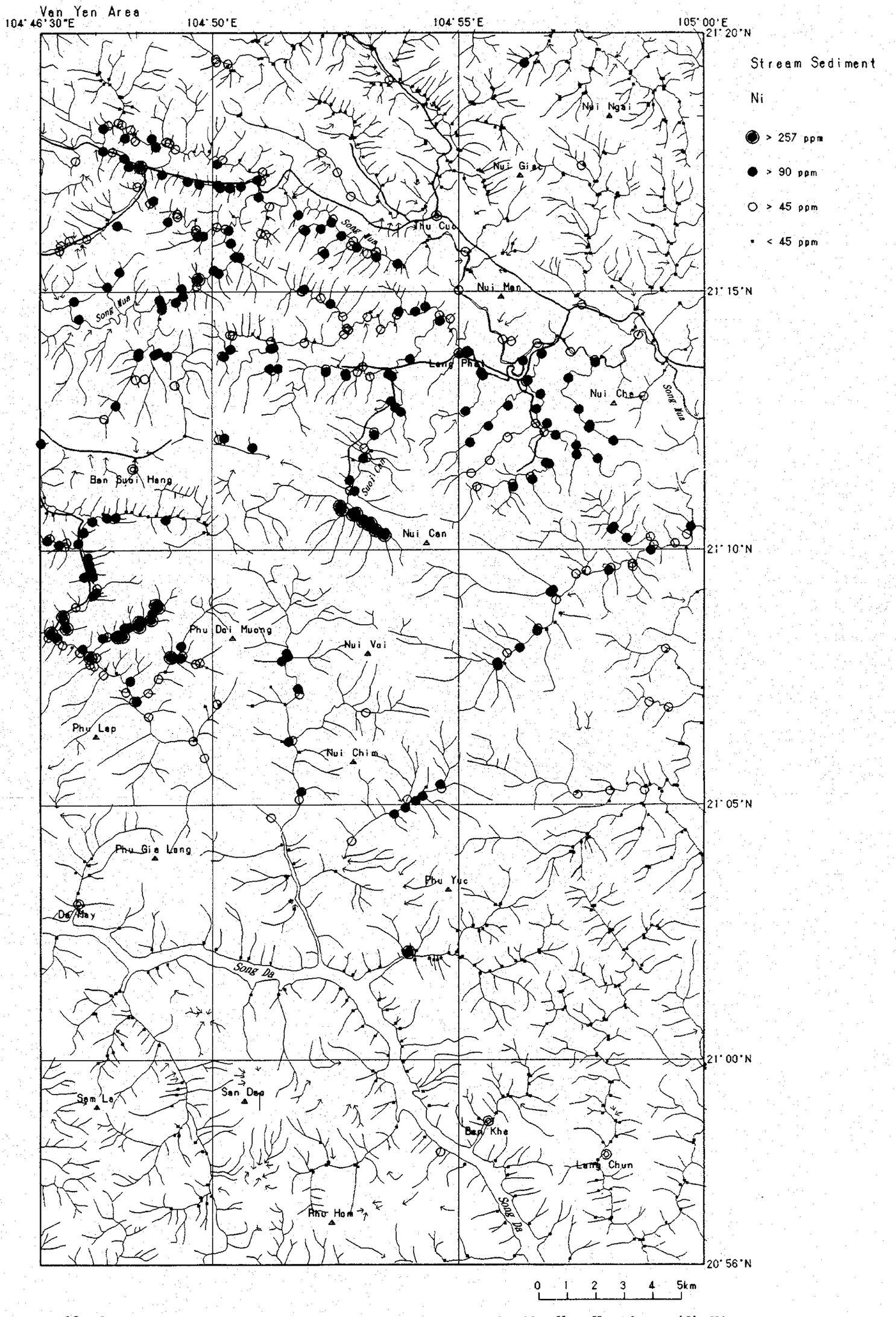
12. Anomaly Map of Stream Sediment Geochemistry in the Van Yen Area (3):Cu



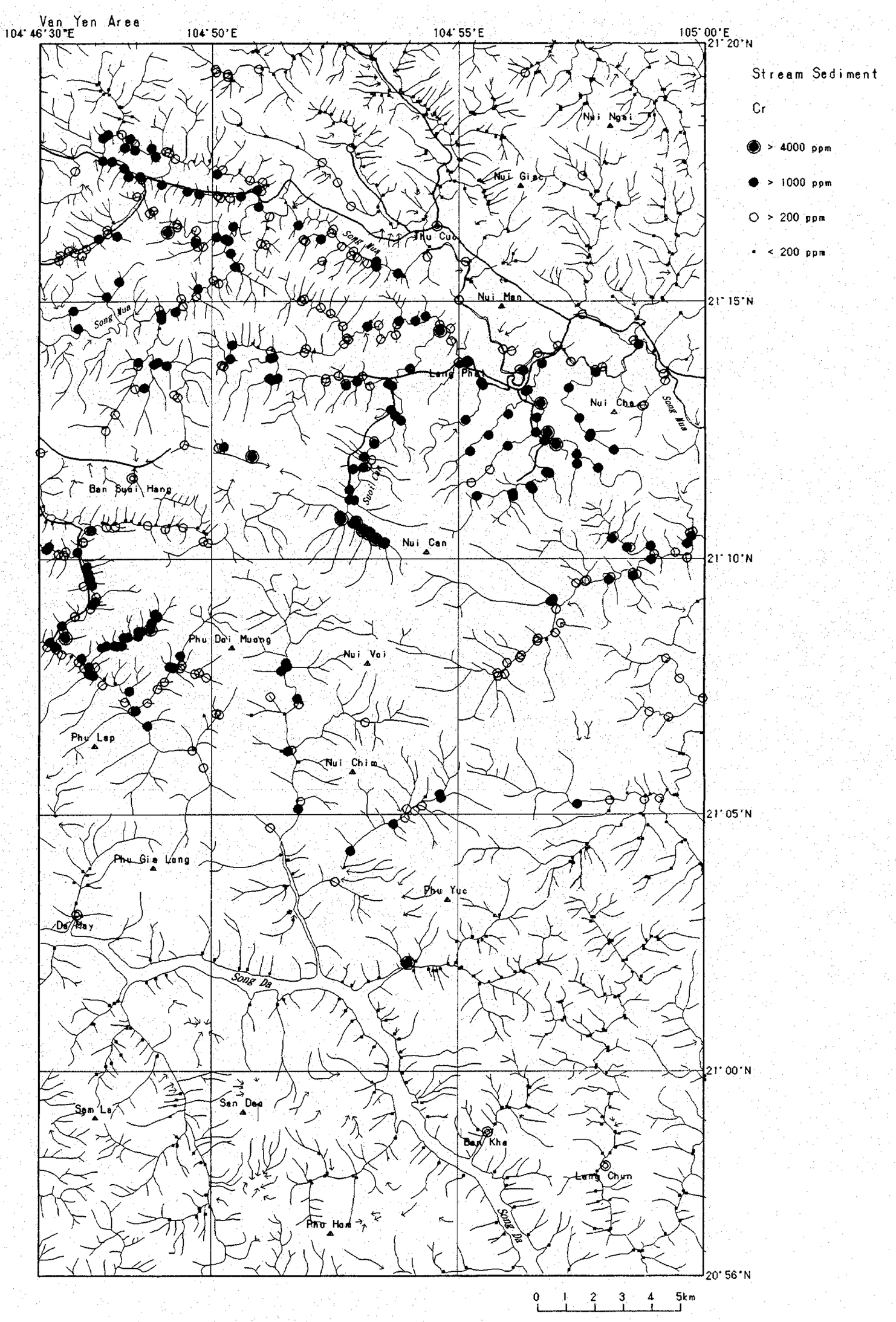
12. Anomaly Map of Stream Sediment Geochemistry in the Van Yen Area (4):Pb



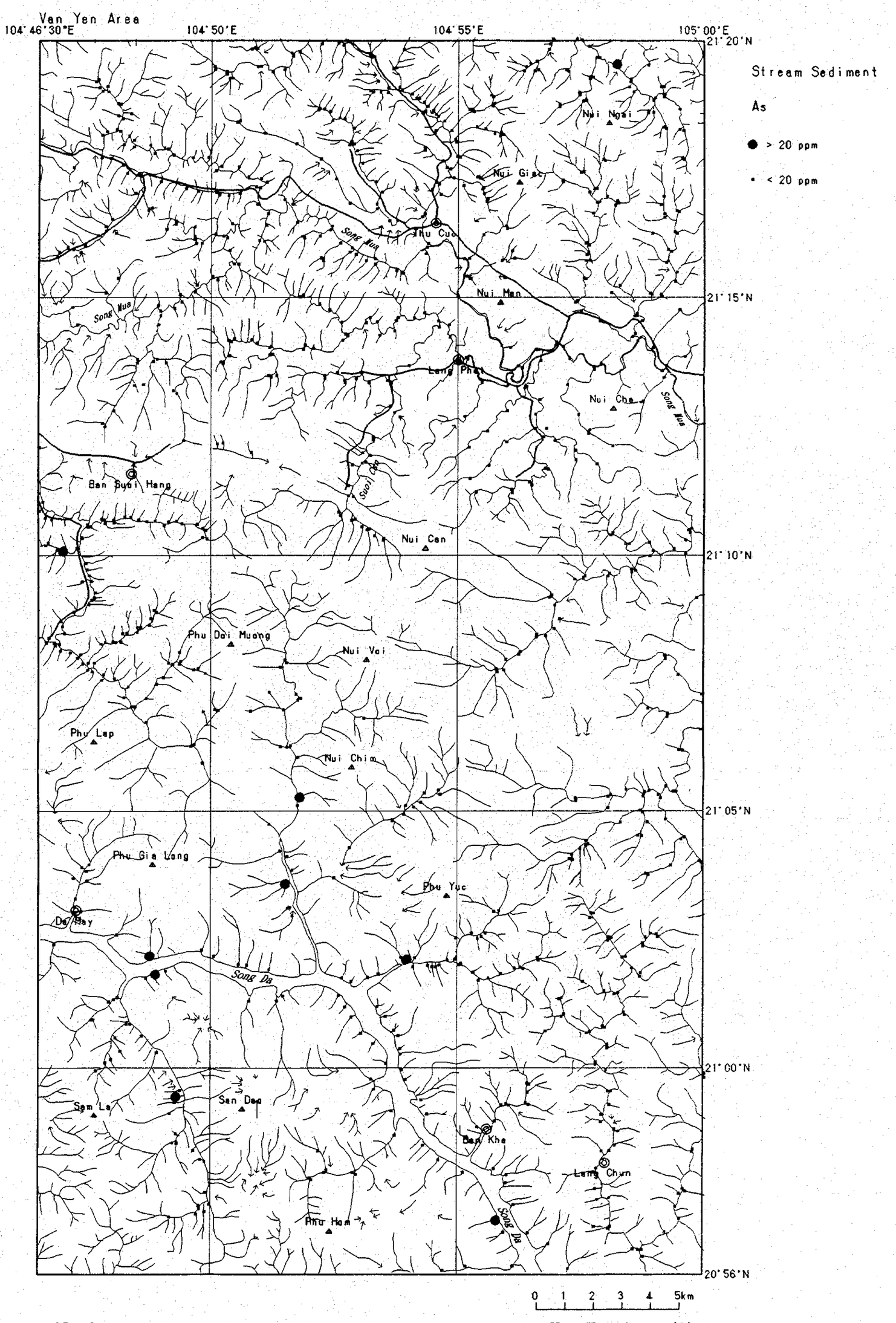
12. Anomaly Map of Stream Sediment Geochemistry in the Van Yen Area (5):Zn



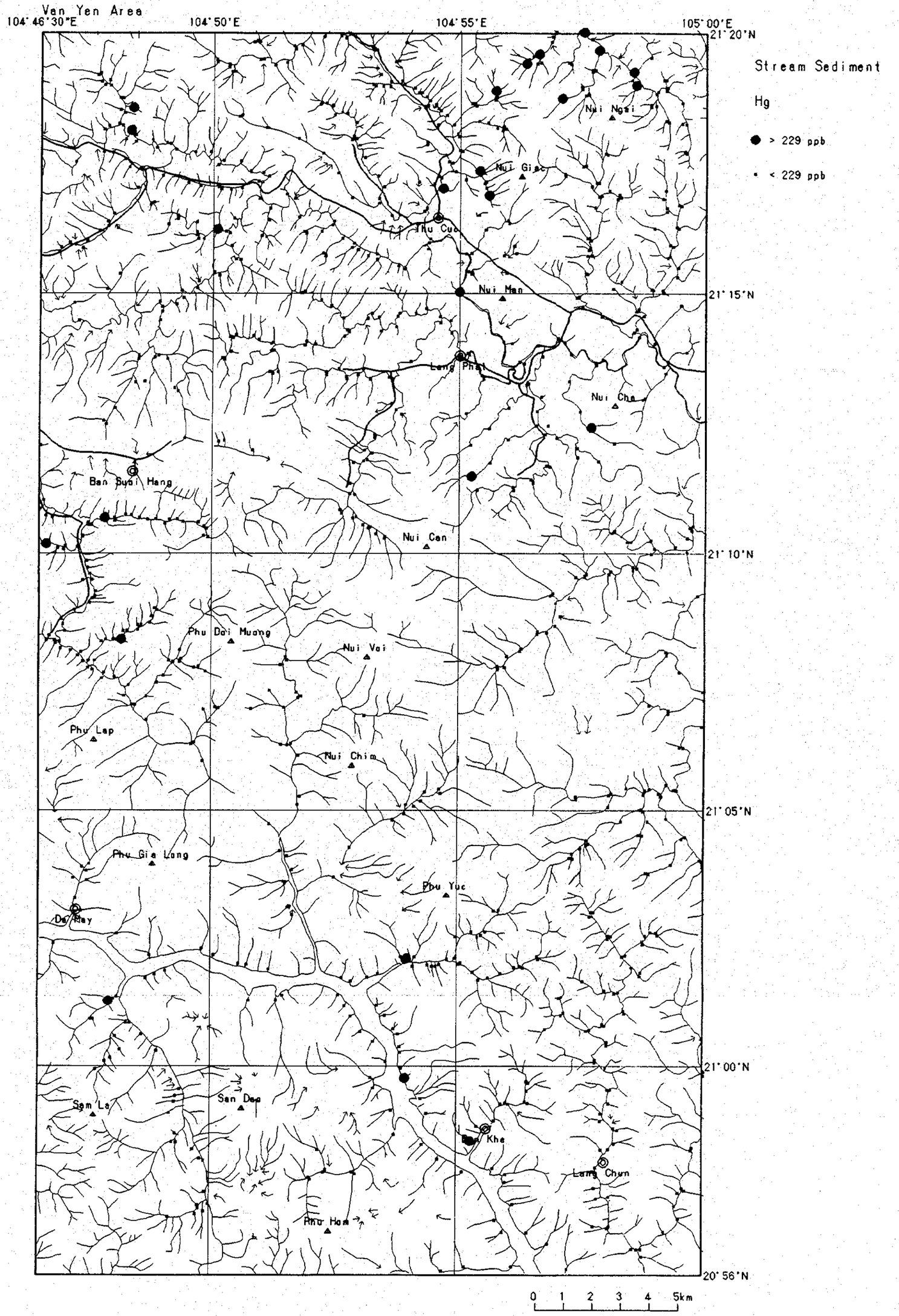
12. Anomaly Map of Stream Sediment Geochemistry in the Van Yen Area (6):Ni



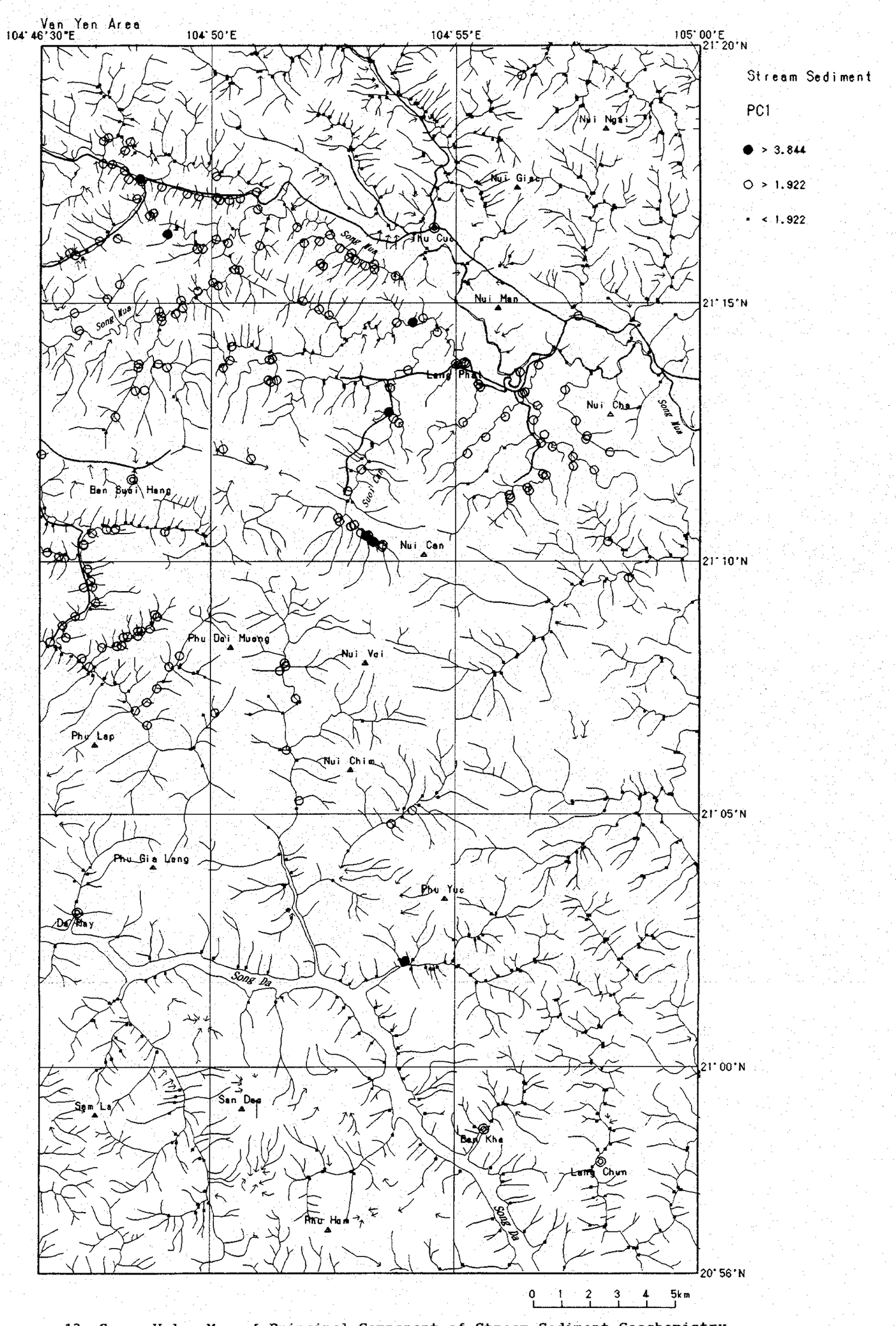
12. Anomaly Map of Stream Sediment Geochemistry in the Van Yen Area (7):Cr



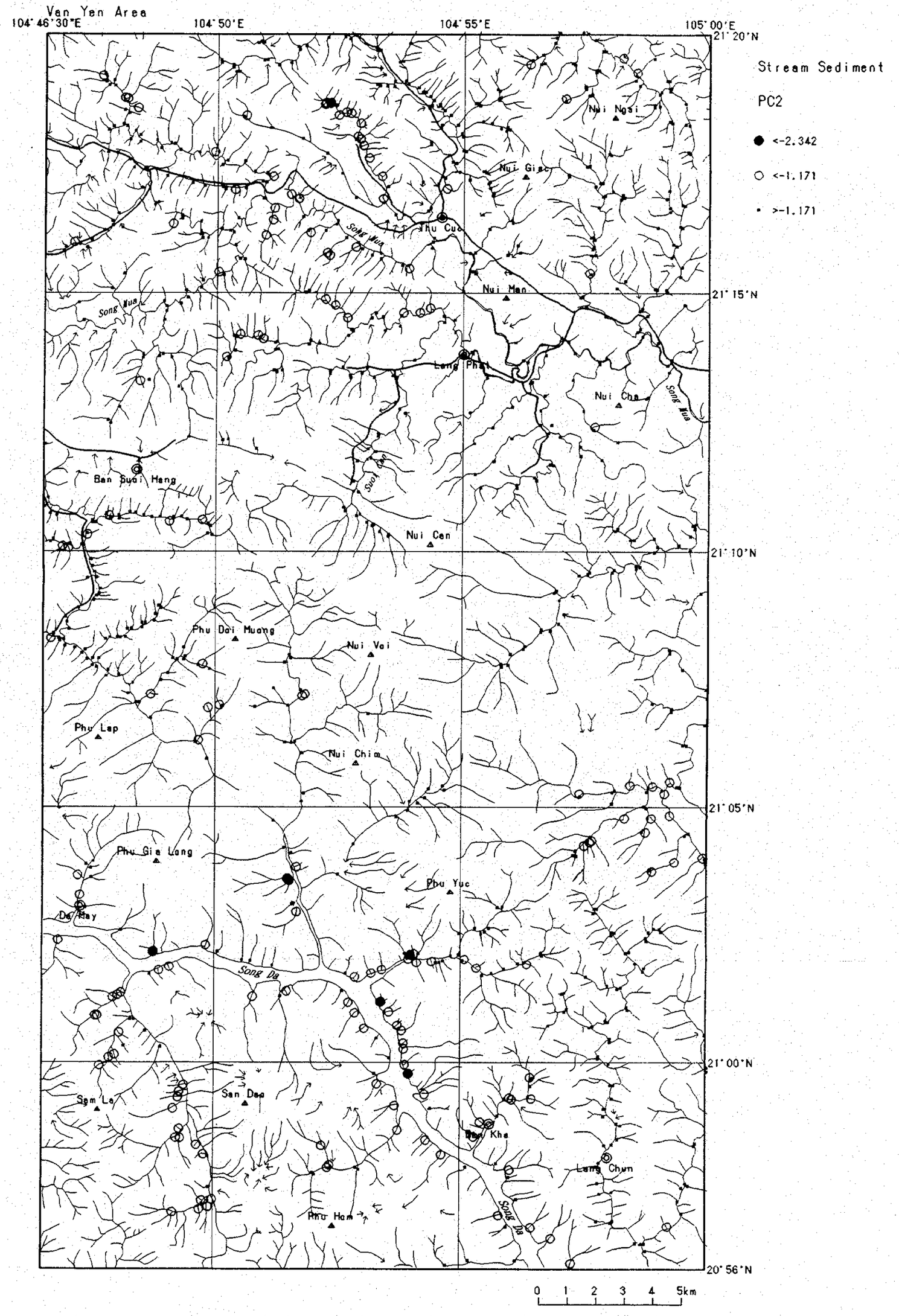
12. Anomaly Map of Stream Sediment Geochemistry in the Van Yen Area (8):As



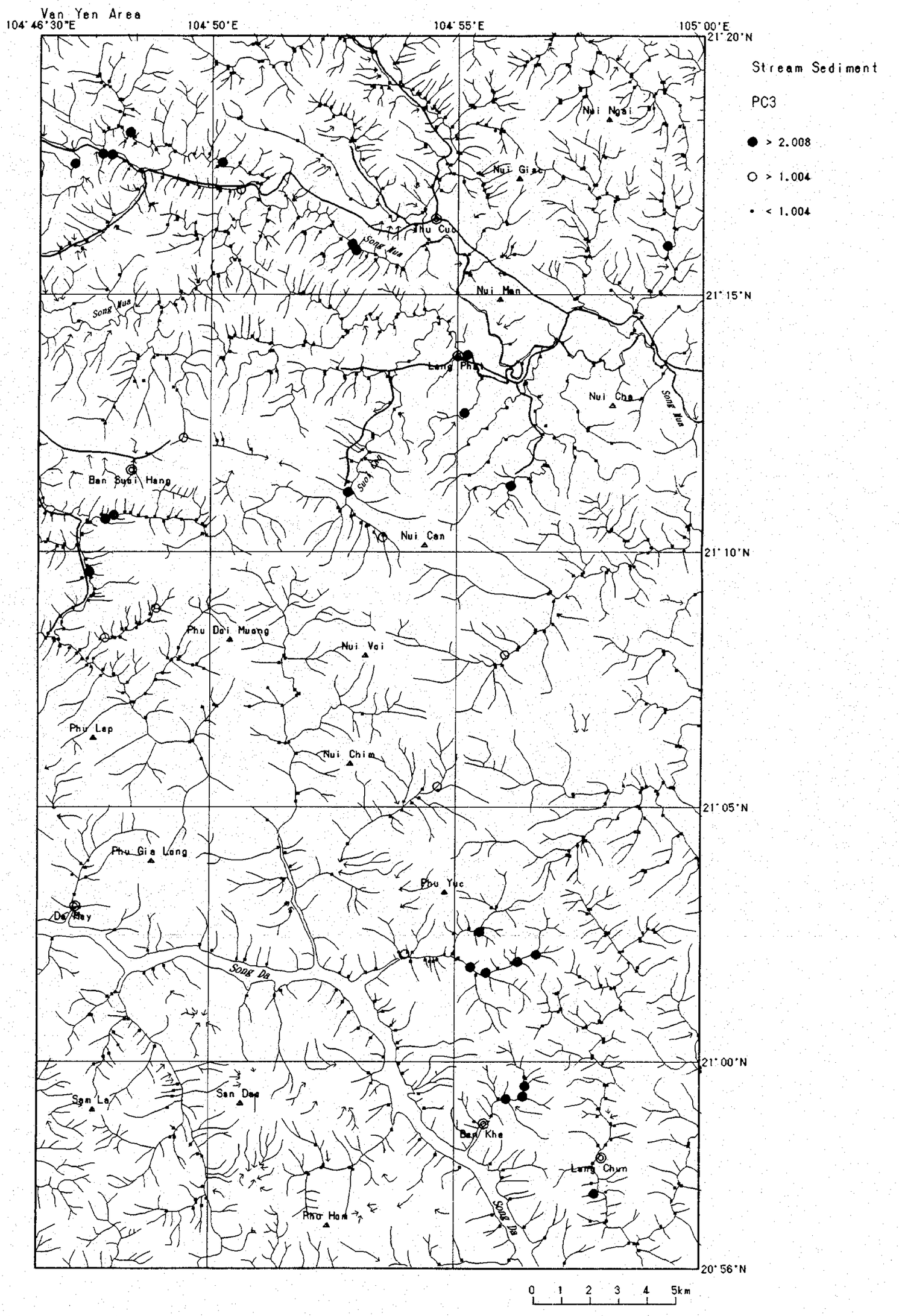
12. Anomaly Map of Stream Sediment Geochemistry in the Van Yen Area (9):Hg



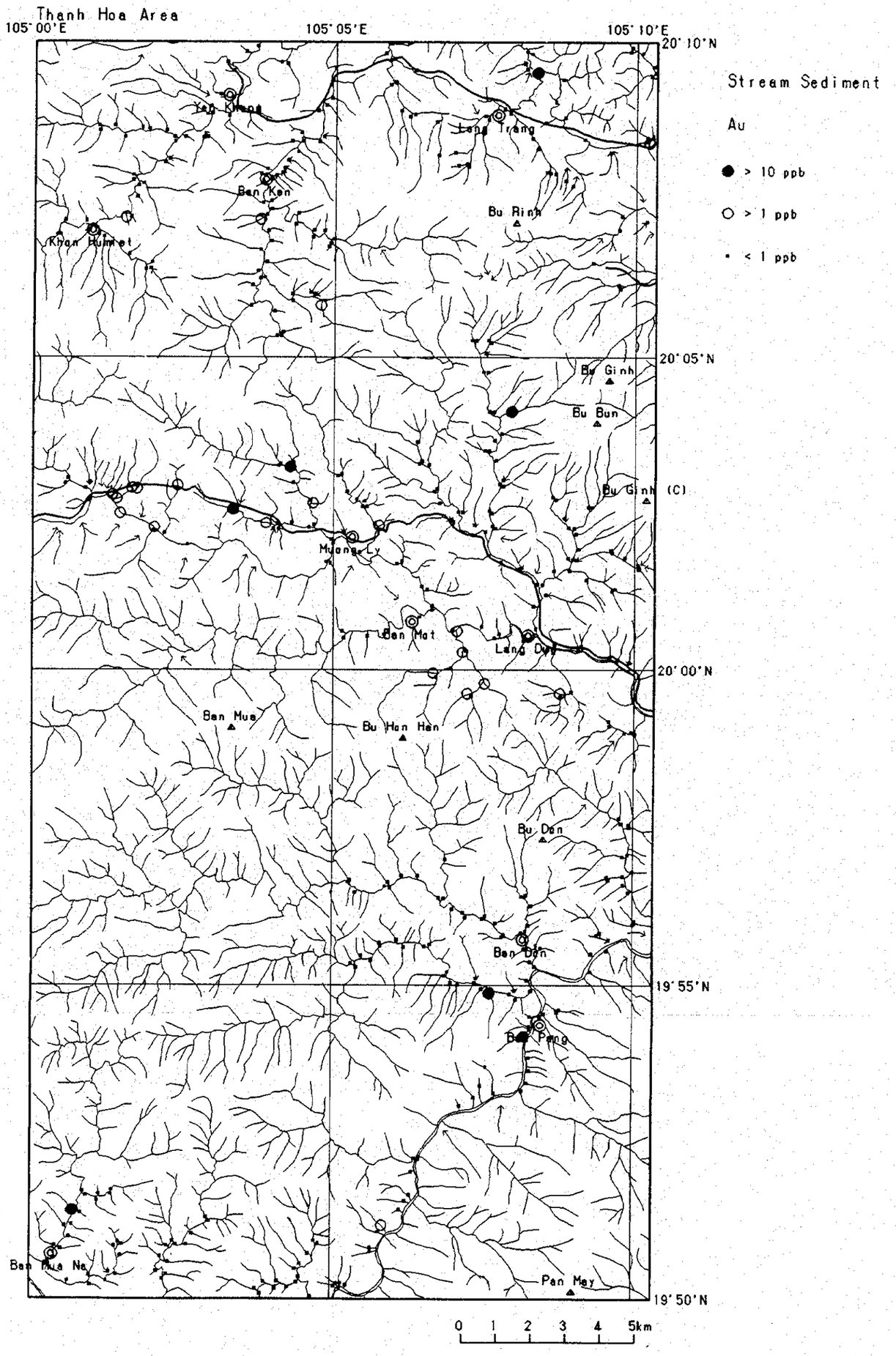
13. Score Value Map of Principal Component of Stream Sediment Geochemistry in the Van Yen Area (1)



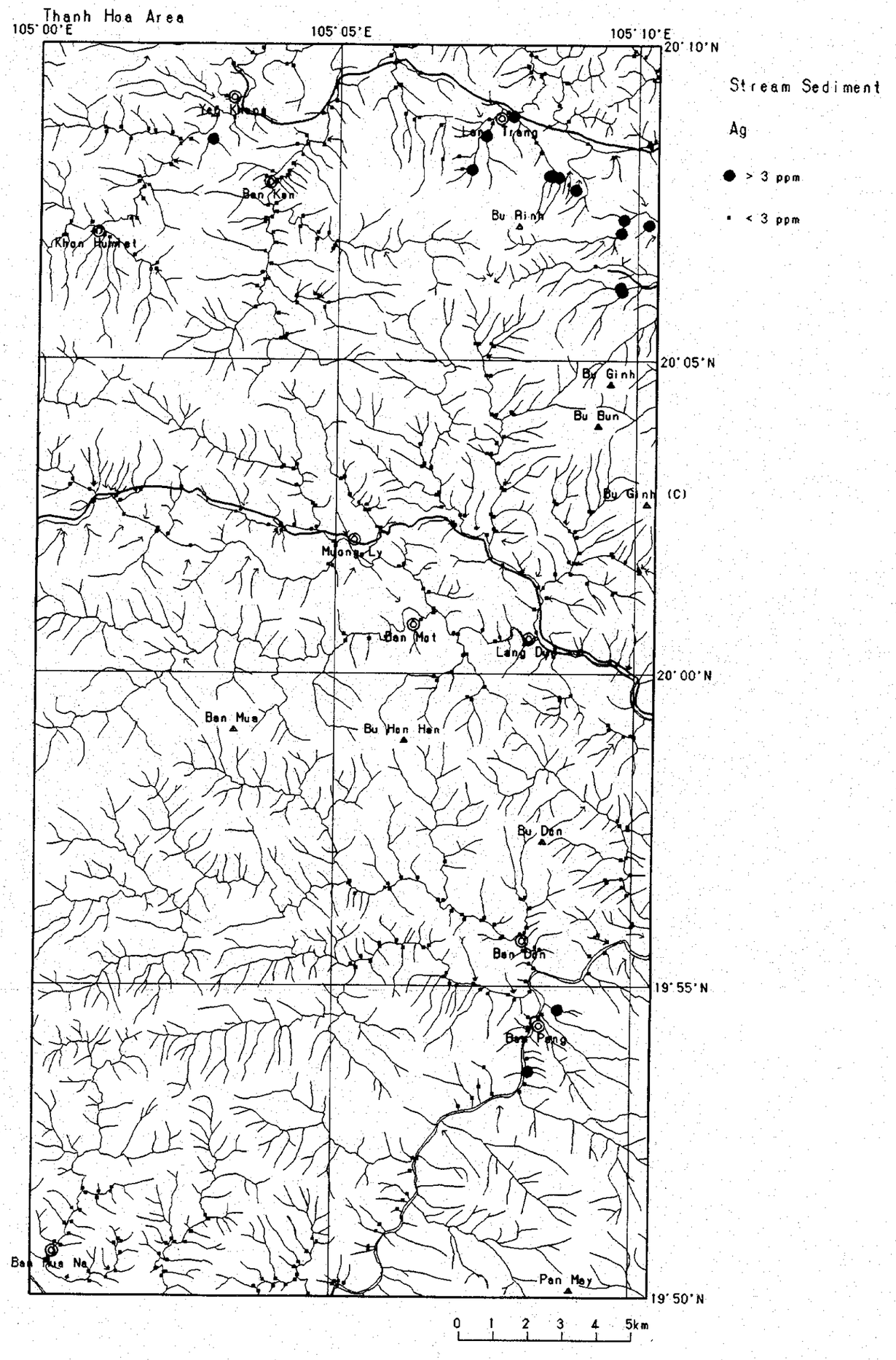
13. Score Value Map of Principal Component of Stream Sediment Geochemistry in the Van Yen Area (2)



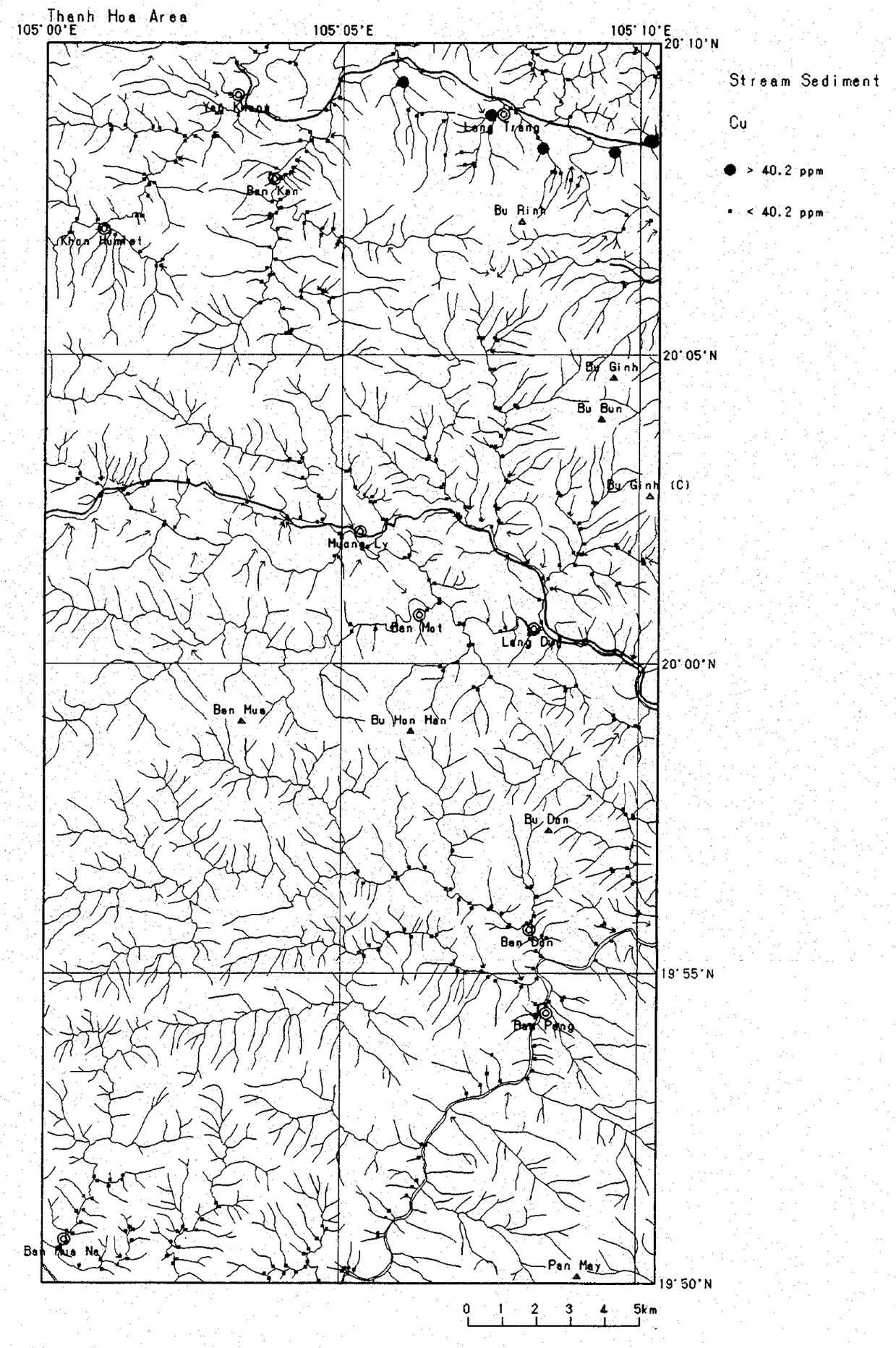
13. Score Value Map of Principal Component of Stream Sediment Geochemistry in the Van Yen Area (3)



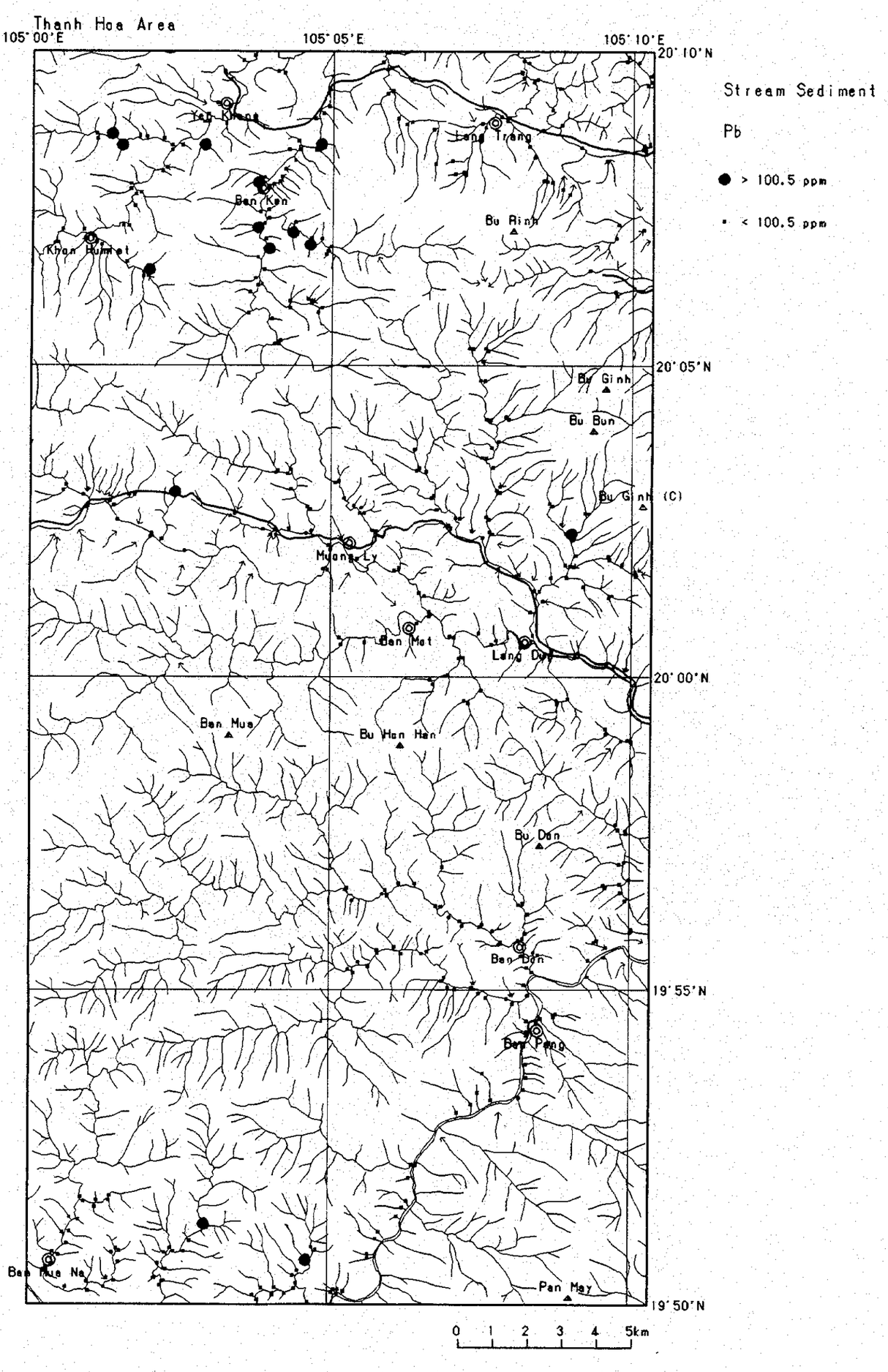
14. Anomaly Map of Stream Sediment Geochemistry in the Western Thanh Hoa Area (1):Au



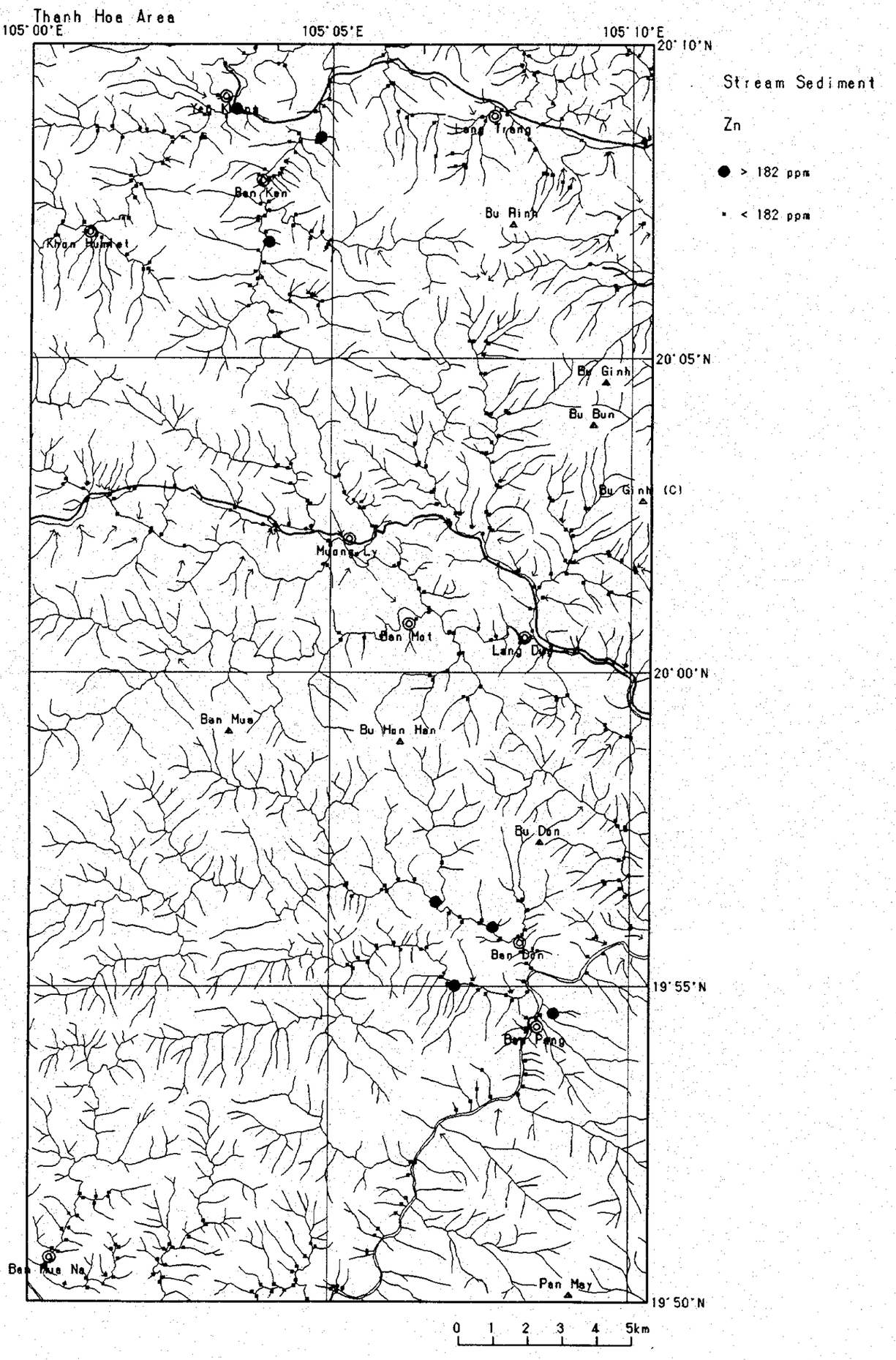
14. Anomaly Map of Stream Sediment Geochemistry in the Western Thanh Hoa Area (2):Ag



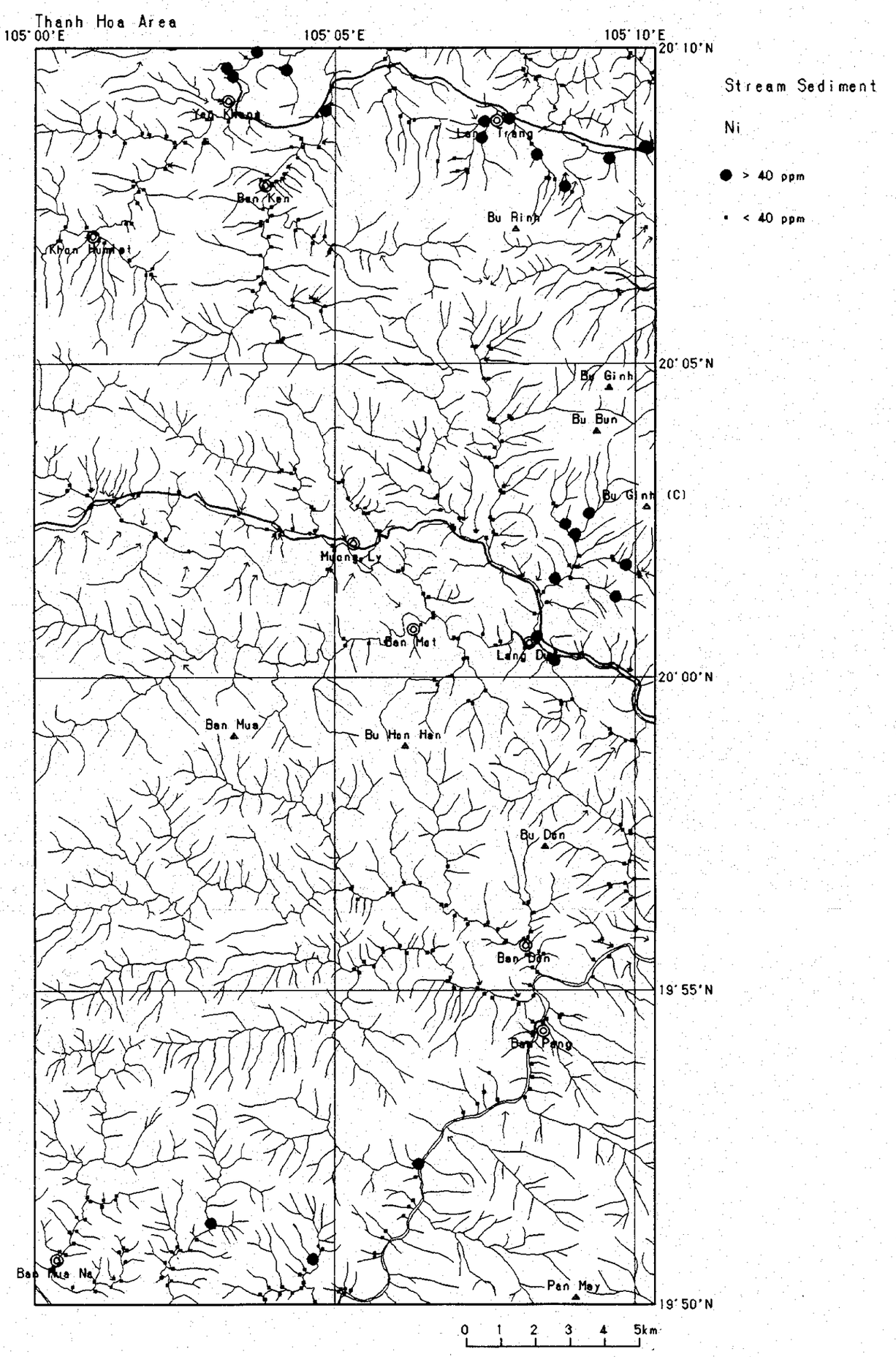
14. Anomaly Map of Stream Sediment Geochemistry in the Western Thanh Hoa Area (3):Cu



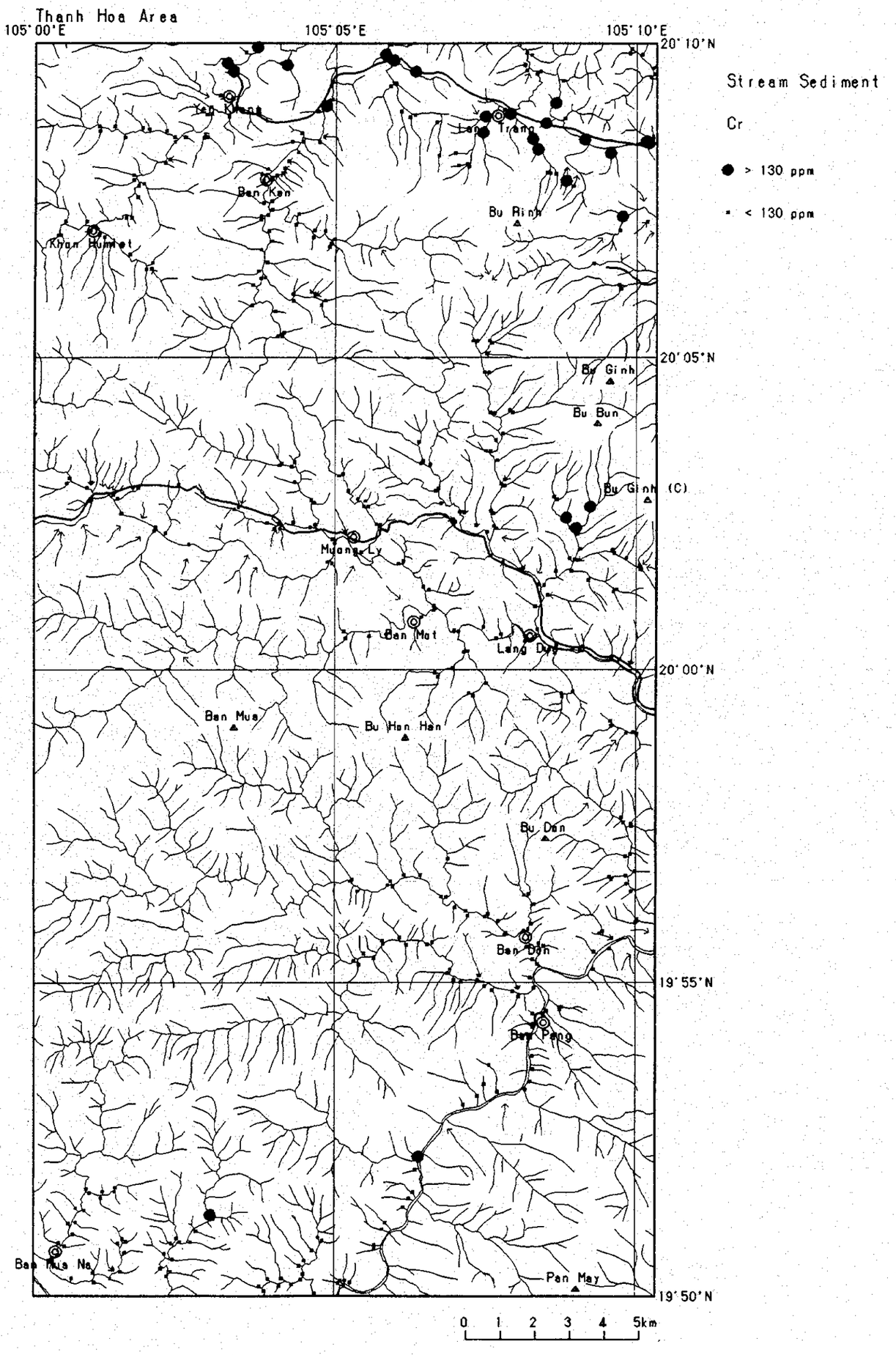
14. Anomaly Map of Stream Sediment Geochemistry in the Western Thanh Hoa Area (4):Pb



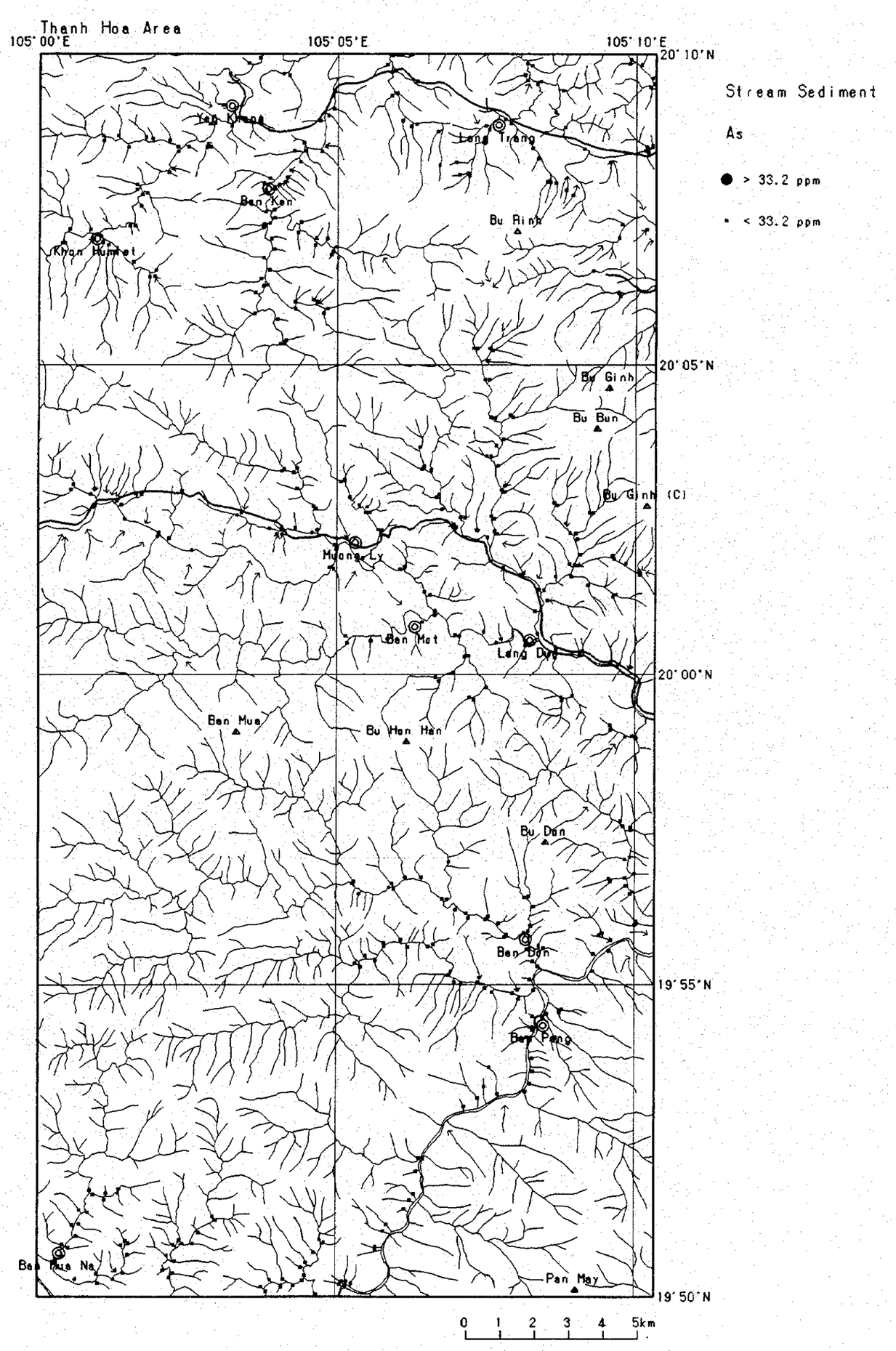
14. Anomaly Map of Stream Sediment Geochemistry in the Western Thanh Hoa Area (5):Zn



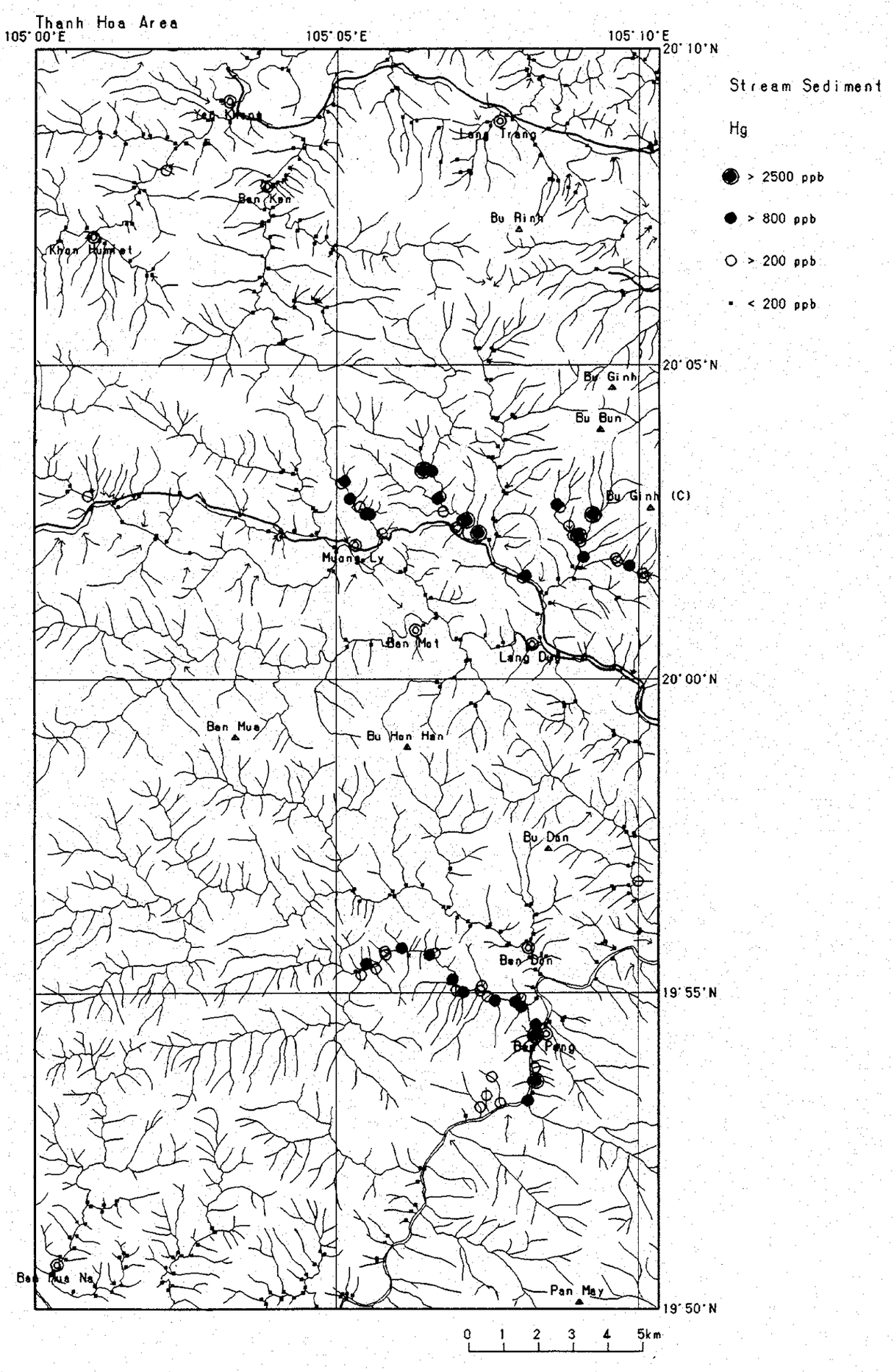
14. Anomaly Map of Stream Sediment Geochemistry in the Western Thanh Hoa Area (6):Ni



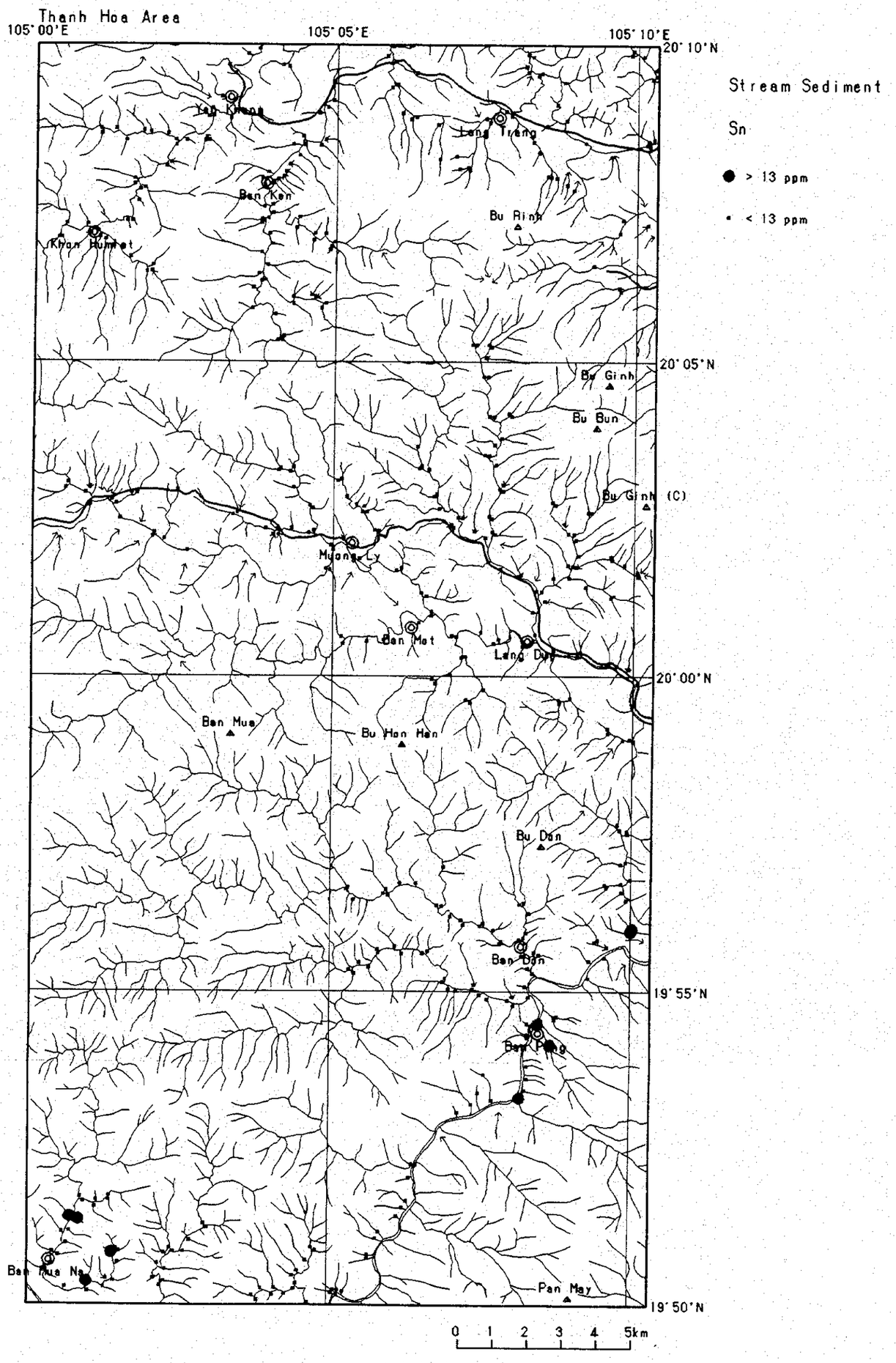
14. Anomaly Map of Stream Sediment Geochemistry in the Western Thanh Hoa Area (7):Cr



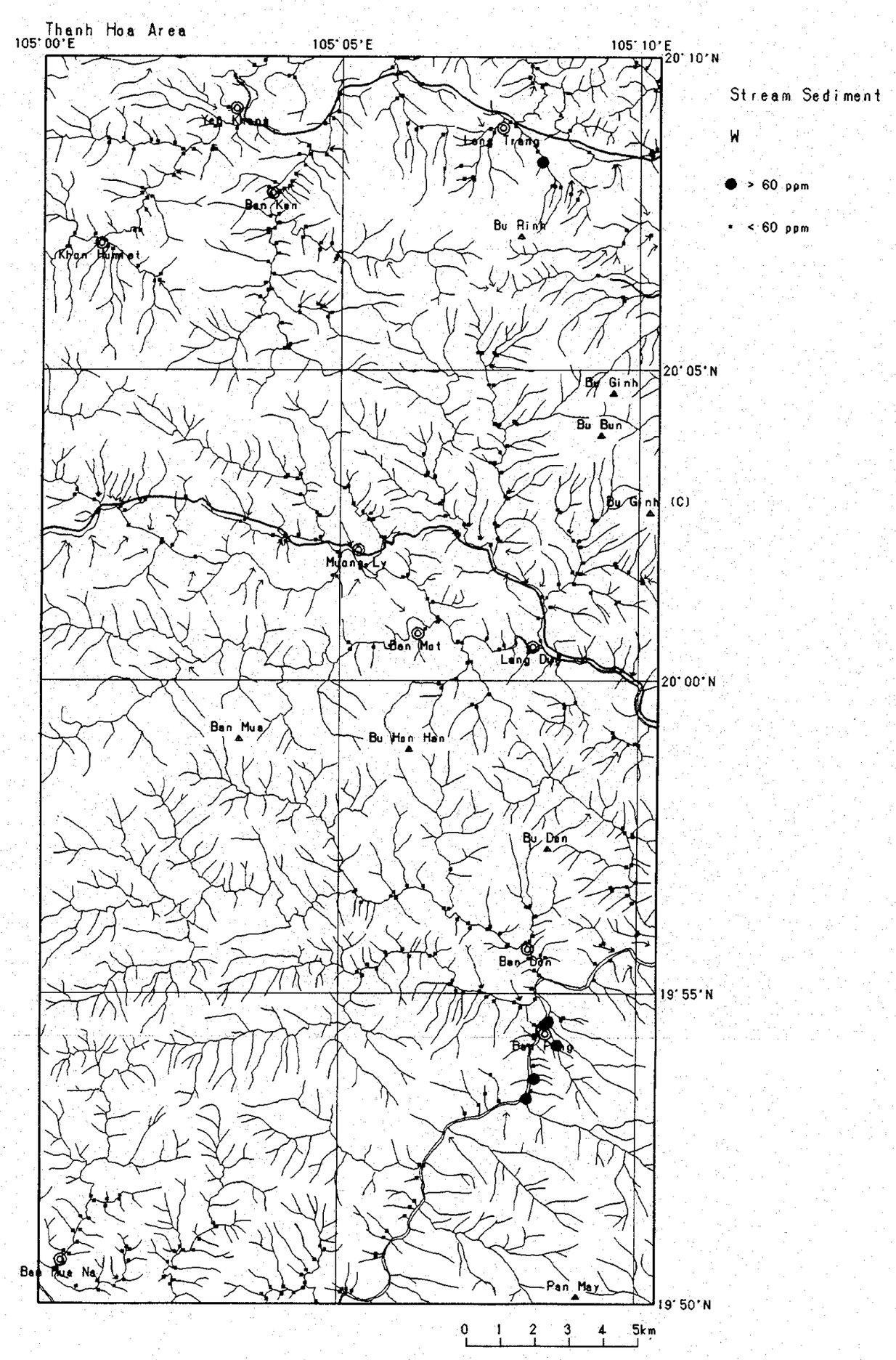
14. Anomaly Map of Stream Sediment Geochemistry in the Western Thanh Hoa Area (8):As



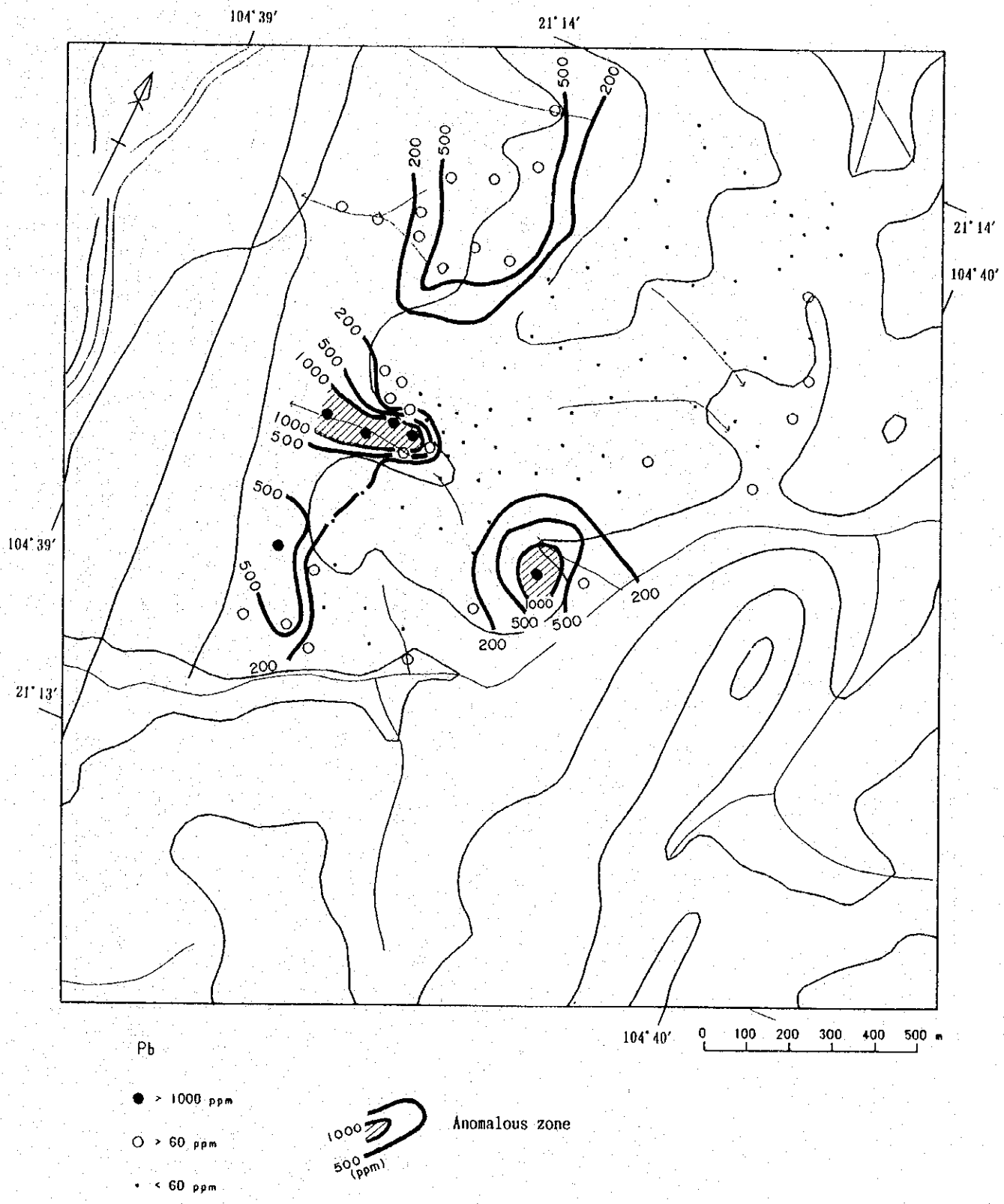
14. Anomaly Map of Stream Sediment Geochemistry in the Western Thanh Hoa Area (9):Hg



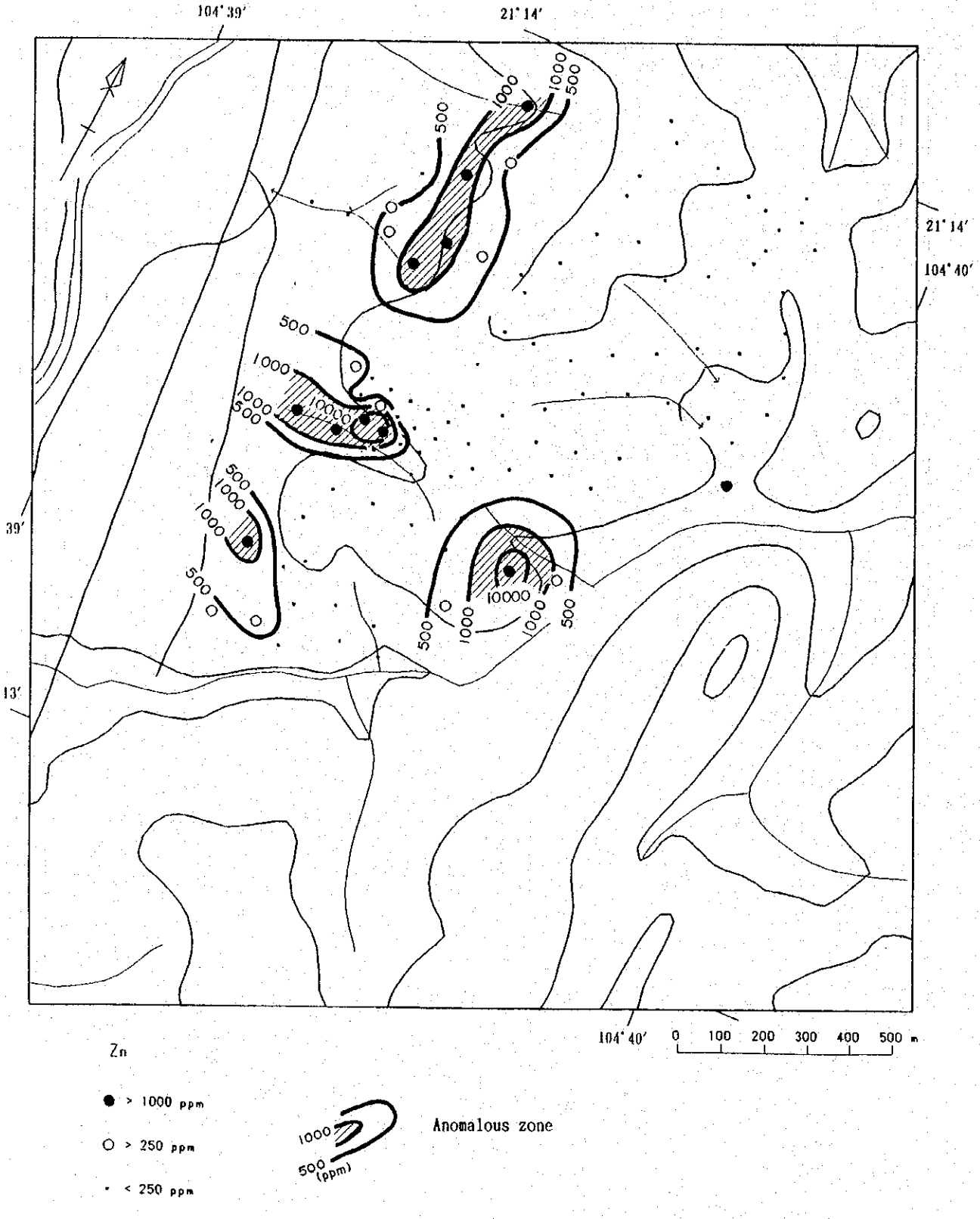
14. Anomaly Map of Stream Sediment Geochemistry in the Western Thanh Hoa Area (10):Sn



14. Anomaly Map of Stream Sediment Geochemistry in the Western Thanh Hoa Area (11):W



15. Anomaly Map of Soil Geochemistry in the Suoi Boc - Suoi Cu Mineralization Zone (1):Pb



15. Anomaly Map of Soil Geochemistry in the Suoi Boc - Suoi Cu Mineralization Zone (2):Zn