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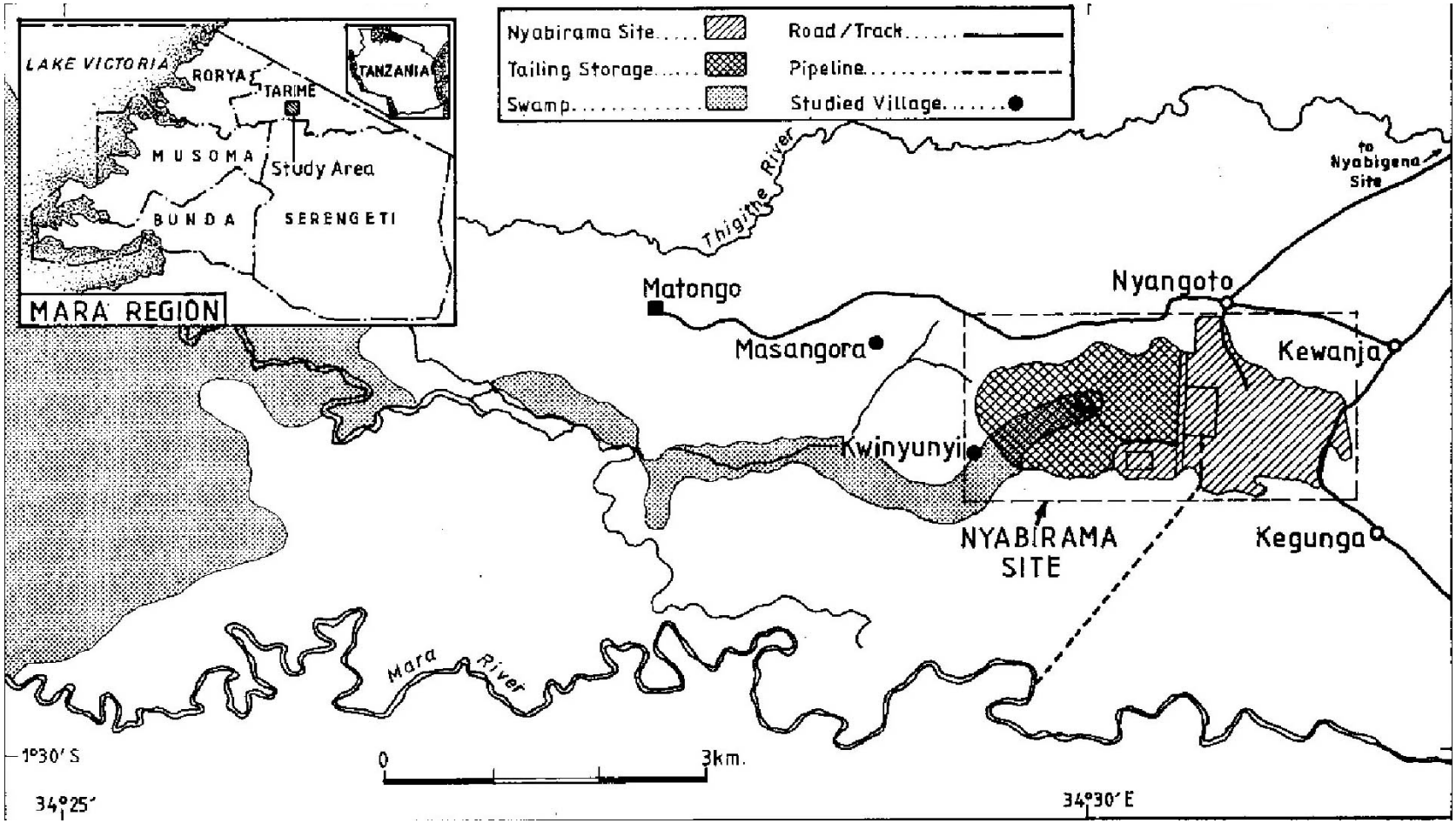


Figure 1: Location of the sampling area around North Mara gold mine in Tanzania.

Source: Mganga *et al.*, 2011 (Permission granted by Tanzania Journal of Science)

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Table 1: Mean Shannon-Wiener diversity index, richness, evenness of plant species and bioavailable heavy metals from the source.

Distance (m)	**Diversity**	**Richness**	**Evenness**	**Cu**	**Pb**	**Cr**	**Zn**	**Cd**	**Ni**
5	1.8 ± 0.5	11.3 ± 2.1	0.37 ± 0.1	0.95 ± 0.18	8.88 ± 0.88	0.3 ± 0.15	8.03 ± 2.32	0.03 ± 0.02	18.5 ± 5.29
105	2.3 ± 0.2	15 ± 4	0.48 ± 0.04	0.76 ± 0.38	8.53 ± 1.18	2.01 ± 0.44	8.4 ± 2.7	0.23 ± 0.22	18.6 ± 1.51
205	2.1 ± 0.1	12.3 ± 2.8	0.44 ± 0.01	2.78 ± 0.44	11.43 ± 0.27	2.78 ± 1.62	13.55 ± 5.34	NIL	24.8 ± 2.4
305	2.1 ± 0.2	11.3 ± 0.8	0.44 ± 0.04	1.16 ± 0.4	9.18 ± 0.8	1.65 ± 0.95	19.15 ± 5.99	NIL	17.9 ± 6.16
405	2.1 ± 0.2	13 ± 2	0.43 ± 0.03	1.05 ± 0.72	10.14 ± 1.43	1.91 ± 1.12	13.15 ± 1.35	NIL	19.9 ± 7.49
505	1.8 ± 0.2	9.6 ± 1.3	0.38 ± 0.03	2.18 ± 1.1	10.23 ± 0.43	2.98 ± 2.65	11.05 ± 2.49	0.08 ± 0.07	27.1 ± 11.1
605	1.4 ± 0.3	8.6 ± 2.7	0.2 9 ± 0.06	0.38 ± 0.19	8.46 ± 2.16	1.19 ± 0.19	4.54 ± 0.7	0.03 ± 0.02	13.08 ± 1
705	1.7 ± 0.2	7.6 ± 1.4	0.35 ± 0.03	0.9 ± 0.38	6.91 ± 0.78	1.35 ± 0.31	7.28 ± 2.55	0.13 ± 0.12	24.3 ± 4.62
3000	1.9 ± 0.1	9.3 ± 0.3	0.39 ± 0.06	0.63 ± 0.4	6.44 ± 1.21	1.05 ± 0.27	6.46 ± 1.45	0.53 ± 0.27	19.9 ± 2.54
3100	2.2 ± 0.1	14 ± 1	0.46 ± 0.01	0.55 ± 0.25	6.08 ± 0.77	1.3 ± 1.12	9.25 ± 5.83	0.13 ± 0.12	15.1 ± 2.14
3200	1.6 ± 0.3	9.3 ± 3.2	0.33 ± 0.06	0.96 ± 0.44	9.71 ± 1.87	3.28 ± 1.47	4.09 ± 0.35	0.18 ± 0.07	21 ± 1.28
3300	1.8 ± 0.1	9.6 ± 1.8	0.38 ± 0.02	1.1±0.21	9.51 ± 1.68	0.5 ± 0.35	4.2 ± 0.47	0.08 ± 0.07	24.7 ± 1.12
3400	1.6 ± 0.1	6 ± 0.5	0.33 ± 0.02	1.8 ± 0.4	10.79 ± 2.69	0.9 ± 0.49	5.49 ± 1.63	0.35 ± 0.09	55.9 ± 19.5

Table 2: Soil pH around North Mara gold mine.

Transect	**Soil depth (cm)**	**Plots**												
		1	**2**	**3**	**4**	**5**	**6**	**7**	**8**	**9**	**10**	**11**	**12**	**13**
1	0 - 15	6.46	6.03	6.15	6.57	5.83	6.22	5.89	6.17	5.6	6.2	5.6	5.92	6.14
	15 - 30	6.06	6.14	6	6.93	6.43	6.79	5.65	6.42	6.6	6.55	5.91	6	5.84
2	0 - 15	6.68	4.79	6.01	5.8	5.8	5.84	6.3	6.41	6.02	6.47	4.72	6.18	6.21
	15 - 30	6.62	6.07	5.96	6.52	6	6.27	6.45	7	6.79	5.24	5.98	5.8	5.89
3	0 - 15	6.21	6.35	6.24	6.29	6	6.86	5.77	6.55	6.03	6	5.91	6.22	5.22
	15 - 30	6.37	6.68	5.94	5.67	6.54	5.99	6.39	5.68	6.37	6.28	6.25	5.97	6.04

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