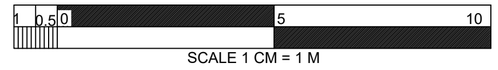
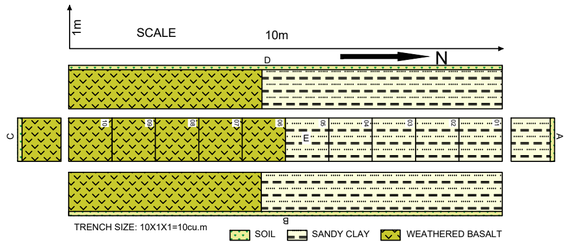


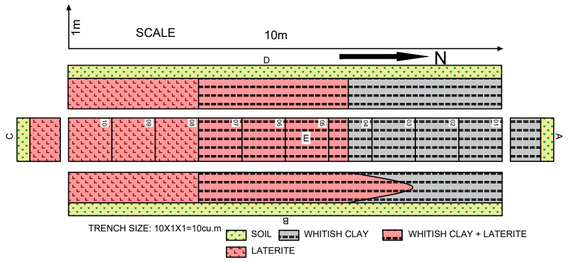
T1/RB/2025



TRENCH NO-T1/RB/2025

S.no	Sample no	SiO_2(%)	Al_2O_3(%)	Fe_2O_3(%)	TiO_2(%)	V(ppm)	Ga (ppm)	Σ REE (ppm)
1	T1/RB/2025/01	69.28	7.98	8.62	1.09	57.90	–	–
2	T1/RB/2025/02	67.87	9.19	8.28	1.16	68.90	–	–
3	T1/RB/2025/03	66.50	9.09	9.37	1.12	68.20	–	–
4	T1/RB/2025/04	67.43	7.61	9.58	1.08	69.40	–	–
5	T1/RB/2025/05	63.67	8.20	10.89	1.17	96.10	–	–
6	T1/RB/2025/06	58.21	10.93	10.85	1.41	145.50	–	–
7	T1/RB/2025/07	58.21	12.73	11.19	1.66	138.30	–	–
8	T1/RB/2025/08	57.48	12.70	11.72	1.87	157.40	21.03	288.43
9	T1/RB/2025/09	56.13	13.46	12.29	2.08	188.20	–	–
10	T1/RB/2025/10	55.83	10.93	14.71	1.83	217.80	–	–
11	T1/RB/2025/A	69.54	7.40	9.52	1.10	57.00	–	–
12	T1/RB/2025/B	66.08	9.51	9.43	1.26	85.80	–	–
13	T1/RB/2025/C	65.29	9.24	8.84	1.10	71.80	–	–
14	T1/RB/2025/D	65.98	9.33	9.44	1.25	91.10	–	–

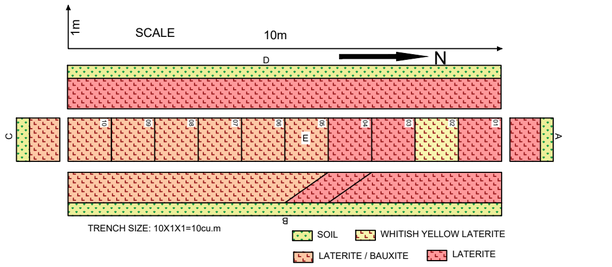
T2/RB/2025



TRENCH NO-T2/RB/2025

S.no	Sample no	SiO_2(%)	Al_2O_3(%)	Fe_2O_3(%)	TiO_2(%)	V(ppm)	Ga (ppm)	Σ REE (ppm)
1	T2/RB/2025/01	29.06	36.83	2.11	7.27	280.30	–	–
2	T2/RB/2025/02	28.12	39.55	2.01	7.13	291.70	–	–
3	T2/RB/2025/03	28.01	39.28	2.24	6.79	314.10	–	–
4	T2/RB/2025/04	36.09	30.34	5.09	7.17	438.70	–	–
5	T2/RB/2025/05	39.68	31.93	2.43	8.11	456.90	–	–
6	T2/RB/2025/06	37.59	30.00	8.14	7.81	702.80	–	–
7	T2/RB/2025/07	37.13	28.81	8.82	8.21	638.60	43.05	905.72
8	T2/RB/2025/08	34.85	27.01	13.01	7.69	672.20	–	–
9	T2/RB/2025/09	39.17	25.00	14.13	7.03	613.10	–	–
10	T2/RB/2025/10	36.02	28.46	13.01	7.39	462.90	–	–
11	T2/RB/2025/A	31.57	34.25	3.91	6.47	288.60	–	–
12	T2/RB/2025/B	32.64	32.68	5.94	7.25	433.30	–	–
13	T2/RB/2025/C	37.57	24.47	14.70	7.23	459.90	–	–
14	T2/RB/2025/D	36.28	29.50	7.48	8.01	475.00	–	–

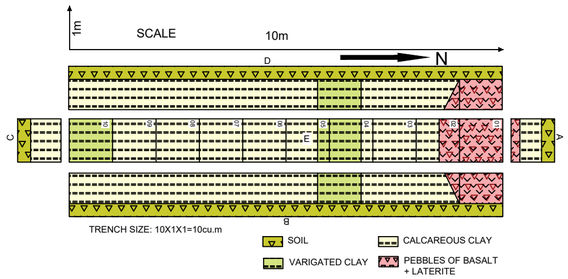
T3/RB/2025



TRENCH NO-T3/RB/2025

S.no	Sample no	SiO_2(%)	Al_2O_3(%)	Fe_2O_3(%)	TiO_2(%)	V(ppm)	Ga (ppm)	Σ REE (ppm)
1	T3/RB/2025/01	35.53	30.19	5.96	7.89	453.40	–	–
2	T3/RB/2025/02	30.78	36.57	3.56	7.58	366.80	–	–
3	T3/RB/2025/03	37.58	33.19	4.30	6.38	318.00	–	–
4	T3/RB/2025/04	39.54	28.77	9.37	4.78	379.30	–	–
5	T3/RB/2025/05	35.72	29.48	10.17	5.54	424.70	–	–
6	T3/RB/2025/06	40.31	29.31	5.09	6.84	250.00	–	–
7	T3/RB/2025/07	39.74	30.78	7.20	6.41	286.40	–	–
8	T3/RB/2025/08	40.95	30.28	6.94	5.89	211.50	–	–
9	T3/RB/2025/09	39.87	30.86	6.88	5.96	211.80	–	–
10	T3/RB/2025/10	41.00	29.95	6.33	6.39	196.20	–	–
11	T3/RB/2025/A	38.55	28.76	6.40	7.30	481.30	–	–
12	T3/RB/2025/B	39.50	30.92	5.62	6.22	306.40	–	–
13	T3/RB/2025/C	36.93	24.15	16.09	6.49	447.80	–	–
14	T3/RB/2025/D	33.93	33.73	7.68	5.68	291.30	42.75	512.53

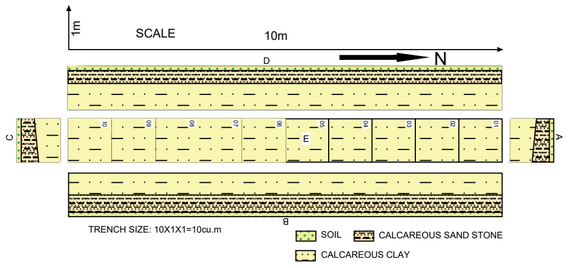
T4/RB/2025



TRENCH NO-T4/RB/2025

S.no	Sample no	SiO_2(%)	Al_2O_3(%)	Fe_2O_3(%)	TiO_2(%)	V(ppm)	Ga (ppm)	Σ REE (ppm)
1	T4/RB/2025/01	38.03	14.49	24.95	2.76	483.70	–	–
2	T4/RB/2025/02	52.58	13.03	17.68	3.60	333.20	–	–
3	T4/RB/2025/03	48.52	10.25	18.82	2.94	324.30	–	–
4	T4/RB/2025/04	58.76	8.13	8.75	1.05	91.80	–	–
5	T4/RB/2025/05	61.00	11.81	9.38	1.38	90.90	–	–
6	T4/RB/2025/06	56.12	11.89	12.24	1.83	159.70	–	–
7	T4/RB/2025/07	42.85	11.86	23.33	2.50	385.90	–	–
8	T4/RB/2025/08	50.02	10.14	19.30	2.01	275.10	–	–
9	T4/RB/2025/09	60.91	11.94	10.97	1.70	118.70	–	–
10	T4/RB/2025/10	67.27	11.28	8.60	1.72	96.30	–	–
11	T4/RB/2025/A	48.27	13.20	18.30	2.82	306.10	–	–
12	T4/RB/2025/B	56.15	11.09	12.81	1.68	160.60	–	–
13	T4/RB/2025/C	59.80	12.85	9.95	1.93	124.90	20.90	217.81
14	T4/RB/2025/D	58.89	10.79	12.81	1.78	158.80	–	–

T5/RB/2025



TRENCH NO-T5/RB/2025

S.no	Sample no	SiO_2(%)	Al_2O_3(%)	Fe_2O_3(%)	TiO_2(%)	V(ppm)	Ga (ppm)	Σ REE (ppm)
57	T5/RB/2025/01	58.99	3.90	7.30	1.26	75.40	–	–
58	T5/RB/2025/02	59.75	4.92	7.92	1.33	82.70	–	–
59	T5/RB/2025/03	58.68	6.68	7.69	1.39	88.50	–	–
60	T5/RB/2025/04	58.44	6.83	6.97	1.20	84.30	–	–
61	T5/RB/2025/05	53.57	6.43	7.58	1.18	79.30	–	–
62	T5/RB/2025/06	54.40	5.68	7.82	1.09	70.60	16.33	**241.20**
63	T5/RB/2025/07	54.82	1.92	5.89	0.97	62.80	–	–
64	T5/RB/2025/08	53.54	0.32	6.00	0.90	56.90	–	–
65	T5/RB/2025/09	53.40	5.98	7.52	1.09	65.20	–	–
66	T5/RB/2025/10	55.79	4.56	9.16	1.05	65.60	–	–
67	T5/RB/2025/A	57.44	6.94	9.36	1.35	84.50	–	–
68	T5/RB/2025/B	55.03	6.51	7.77	1.28	79.00	–	–
69	T5/RB/2025/C	50.11	0.32	5.72	0.86	54.40	–	–
70	T5/RB/2025/D	55.91	2.59	6.49	1.04	65.10	–	–

CRITICAL MINERAL TRACKERS

ASSAY MAP OF TRENCHES IN RELDI MOTI AREA

District: KACHCHH — State: GUJARAT

R.F. 1:100

Data Processed By: CMT	Prepared By: V. Siva Kumar, Geologist
	Checked By: S.U.M. Rao, TAE
	Approved By: S. Rama Murthy, TAE
CMT/EXPL/FEBRUARY - 2025	PLATE - X