فهرست پیوست

عنوان **صفحه**

جدول (۲-۱): شماره و مختصات محل نمونه های ژئوشیمیایی برداشت شده ۱
جدول (۲-۲): نتایج آنالیز نمونه های ژئوشیمیایی برداشت شده ۵
جدول (۲-۳): : محاسبه پارامترهای لازم جهت ترسیم دیاگرام خطای آنالیز ۱۴
جدول (۳-۱): شماره و مختصات محل نمونه های کانی سنگین برداشت شده ۳۶
جدول (۳-۲): نتایج آنالیز نمونه های کانی سنگین برداشت شده ۳۸
جدول (۴-۲): نتایج آنالیز نمونه های کانی سنگین برداشت شده در فاز کنترل صحرایی ۵۰
جدول (۴-۴): نتایج آنالیز نمونه های مینرالیزه برداشت شده ۵۲
شکل های (۲-۲) تا (۲-۴۳): نمودارهای خطای آنالیز ترسیم شده برای متغیرهای عنصری ۵۵
شکل های (۲-۴۴) تا (۲-۸۵): هیستوگرام و نمودارهای P-P, Q-Q و BOX PLOT ترسیم شده برای متغیرهای عنصری ۶۹
شکل های (۳-۲) تا (۳-۱۷): هیستوگرام و نمودار Q-Q ترسیم شده برای متغیرهای کانی سنگین ۱۱۱
شناسنامه های مناطق آنومال ۱۲۷
نتایج مدل سازی ۱۴۴
نقشه های A2-R2 تا A2-R43 : توزیع مقادیر خام عناصر آنالیز شده در قطع A3 ۱۷۱
نقشه های A2-E1 تا A2-E15 : توزیع مقادیر شاخص غنی شدگی ۱۵ عنصر پر پتانسیل در قطع A3 ۲۱۳
نقشه های A2-F1 تا A2-F6 : توزیع مقادیر مربوط به آنالیز فاکتوری در قطع A3 ۲۲۸
نقشه های A2-H1 تا A2-H6 : توزیع مقادیر مربوط به ۶ متغیر کانی سنگین مقدماتی در قطع A3 ۲۳۴
نقشه های A2-H7 تا A2-H12 : توزیع مقادیر مربوط به ۶ متغیر کانی سنگین نهایی در قطع A3 ۲۴۰
نقشه A2-1 : نمونه برداری در قطع A1
نقشه A2-2 : توزیع مقادیر خام عنصر سرب در قطع A1
نقشه A2-3 : توزیع مقادیر خام عنصر روی در قطع A1
نقشه A2-4 : توزیع مقادیر خام عنصر مس در قطع A1
نقشه A2-5 : توزیع مقادیر خام عنصر باریوم در قطع A1
نقشه A2-6 : توزیع مقادیر خام عنصر نقره در قطع A1
نقشه A2-7 : توزیع مقادیر مربوط به متغیر Epidot,Garnet و Monazite در قطع A1
نقشه A2-8 : توزیع مقادیر مربوط به متغیر Sum Fe, Sum Pyrite, Sum Ore M, Sum Ore NM در قطع A1
نقشه A2-9 : نقشه تلفیقی منطقه بهمراه شبکه نمونه‌برداری لیتوژئوشیمیایی پیشنهادی در قطع A1

جدول (۲-۱): شماره و مختصات محل نمونه های ژئوشیمیایی برداشت شده

Row	Serial Number	Coordinate(UTM WGS84)		Row	Serial Number	Coordinate(UTM WGS84)		Row	Serial Number	Coordinate(UTM WGS84)	
		X	Y			X	Y			X	Y
1	A2-1-G	370918.7444	3771122.398	39	A2-39-G	375163.3211	3766535.319	77	A2-77-G	376217.3214	3768132.95
2	A2-2-G	371018.113	3771187.191	40	A2-40-G	375182.8438	3766606.361	78	A2-78-G	376362.603	3768423.156
3	A2-3-G	370936.2653	3771981.389	41	A2-41-G	375059.2642	3767020.986	79	A2-79-G	376467.9383	3768382.263
4	A2-4-G	370884.0826	3772330.04	42	A2-42-G	375481.3329	3767255.391	80	A2-80-G	376610.702	3768370.596
5	A2-5-G	371664.7253	3772984.385	43	A2-43-G	375474.1406	3767338.937	81	A2-81-G	376402.8388	3767667.071
6	A2-6-G	370975.544	3770323.471	44	A2-44-G	376108.1757	3774330.69	82	A2-82-G	376959.3324	3768565.308
7	A2-7-G	371118.4599	3770205.054	45	A2-45-G	375858.0739	3774371.561	83	A2-83-G	377053.0603	3768530.777
8	A2-8-G	371556.764	3771889.278	46	A2-46-G	375734.8077	3774916.144	84	A2-84-G	377661.7158	3768221.077
9	A2-9-G	371377.515	3772053.685	47	A2-47-G	375872.6739	3775000.363	85	A2-85-G	378065.2761	3768072.463
10	A2-10-G	370925.1463	3772059.044	48	A2-48-G	375725.2623	3775284.478	86	A2-86-G	377718.3351	3768322.38
11	A2-11-G	370705.019	3772939.591	49	A2-49-G	374346.6943	3774782.054	87	A2-87-G	376885.5603	3769019.919
12	A2-12-G	371850.7154	3773571.525	50	A2-50-G	374254.007	3774721.192	88	A2-88-G	377087.0382	3769053.954
13	A2-13-G	384261.1034	3770110.546	51	A2-51-G	374260.4342	3774773.277	89	A2-89-G	376070.9585	3769141.967
14	A2-14-G	384363.6329	3770548.15	52	A2-52-G	373989.975	3774546.59	90	A2-90-G	376079.7065	3769227.846
15	A2-15-G	384183.0962	3769828.715	53	A2-53-G	373802.7899	3774834.734	91	A2-91-G	375300.4864	3769707.752
16	A2-16-G	384238.7105	3770042.597	54	A2-54-G	373759.8747	3774911.391	92	A2-92-G	376335.6438	3773427.602
17	A2-17-G	384241.6731	3770550.048	55	A2-55-G	373501.4118	3775018.709	93	A2-93-G	376371.7151	3773320.488
18	A2-18-G	383667.6845	3770491.635	56	A2-56-G	372805.5394	3774890.44	94	A2-94-G	375084.9364	3771602.582
19	A2-19-G	383522.8294	3769733.318	57	A2-57-G	373257.4316	3774745.915	95	A2-95-G	374931.3884	3772054.891
20	A2-20-G	383463.662	3770430.215	58	A2-58-G	374644.964	3772823.868	96	A2-96-G	375075.5771	3772372.505
21	A2-21-G	383509.6724	3770110.294	59	A2-59-G	374396.4241	3772790.961	97	A2-97-G	375092.4414	3772577.245
22	A2-22-G	383022.6761	3769681.33	60	A2-60-G	374284.6168	3772535.027	98	A2-98-G	375005.2441	3772915.139
23	A2-23-G	382929.4852	3770214.054	61	A2-61-G	373725.1852	3773145.402	99	A2-99-G	375081.6615	3772920.776
24	A2-24-G	382709.4824	3769989.932	62	A2-62-G	373755.9208	3773166.131	100	A2-100-G	376163.3531	3772109.135
25	A2-25-G	382784.7215	3769951.07	63	A2-63-G	373981.2865	3773505.994	101	A2-101-G	374574.1939	3774454.043
26	A2-26-G	372922.1172	3765549.716	64	A2-64-G	374163.806	3773265.608	102	A2-102-G	374619.72	3774388.556
27	A2-27-G	373311.3161	3765961.164	65	A2-65-G	374206.7238	3773348.518	103	A2-103-G	374826.6083	3774365.929
28	A2-28-G	373574.4035	3766108.378	66	A2-66-G	374838.7741	3773420.237	104	A2-104-G	375049.4285	3774250.652
29	A2-29-G	373528.6058	3766124.266	67	A2-67-G	374583.7637	3773081.183	105	A2-105-G	375111.5823	3774155.385
30	A2-30-G	373655.3039	3766281.86	68	A2-68-G	375287.842	3773186.876	106	A2-106-G	375338.9927	3774066.759
31	A2-31-G	373840.1571	3766309.715	69	A2-69-G	375129.668	3769152.341	107	A2-107-G	375412.1901	3774020.433
32	A2-32-G	373978.8279	3766579.435	70	A2-70-G	375224.68	3769238.904	108	A2-108-G	376376.6243	3772744.892
33	A2-33-G	374408.6115	3766431.253	71	A2-71-G	375760.9419	3768703.184	109	A2-109-G	376170.2083	3772432.054
34	A2-34-G	374369.4158	3766558.079	72	A2-72-G	375812.0372	3768906.783	110	A2-110-G	377427.0869	3764478.493
35	A2-35-G	374377.8335	3766619.264	73	A2-73-G	375838.734	3768943.777	111	A2-111-G	377148.5827	3764592.478
36	A2-36-G	374769.4587	3766601.892	74	A2-74-G	376143.0342	3768848.915	112	A2-112-G	377137.4105	3764643.772
37	A2-37-G	374729.3174	3766667.122	75	A2-75-G	376092.7349	3768036.357	113	A2-113-G	376948.9573	3764606.19
38	A2-38-G	374543.31	3766750.773	76	A2-76-G	376148.502	3768142.956	114	A2-114-G	376700.1314	3764752.053

جدول (۲-۱): شماره و مختصات محل نمونه های ژئوشیمیایی برداشت شده (ادامه)

Row	Serial Number	Coordinate(UTM WGS84)		Row	Serial Number	Coordinate(UTM WGS84)		Row	Serial Number	Coordinate(UTM WGS84)	
		X	Y			X	Y			X	Y
115	A2-115-G	376306.2279	3764996.808	153	A2-153-G	384289.1779	3763903.095	191	A2-191-G	379239.4302	3766480.515
116	A2-116-G	376651.0903	3764570.288	154	A2-154-G	384430.4377	3763833.617	192	A2-192-G	378428.7168	3766567.16
117	A2-117-G	376606.5578	3764582.146	155	A2-155-G	372848.4591	3773475.011	193	A2-193-G	378470.8221	3766422.877
118	A2-118-G	378945.2474	3765516.664	156	A2-156-G	372233.0638	3773642.322	194	A2-194-G	378049.2372	3766163.795
119	A2-119-G	378340.3626	3765090.126	157	A2-157-G	372317.1136	3773577.005	195	A2-195-G	376521.5845	3765345.089
120	A2-120-G	378992.9057	3765436.278	158	A2-158-G	370746.9341	3773294.549	196	A2-196-G	376843.629	3765773.52
121	A2-121-G	379322.7896	3765598.44	159	A2-159-G	371056.33	3773656.989	197	A2-197-G	377033.0247	3765674.778
122	A2-122-G	378392.573	3765445.67	160	A2-160-G	371038.8573	3774110.671	198	A2-198-G	377742.8082	3766879.115
123	A2-123-G	378258.5102	3765120.571	161	A2-161-G	371324.5883	3774494.71	199	A2-199-G	377717.808	3766915.943
124	A2-124-G	378045.4665	3765058.635	162	A2-162-G	371302.9125	3774609.872	200	A2-200-G	377650.5158	3766612.685
125	A2-125-G	377671.1818	3764628.14	163	A2-163-G	371295.6486	3774762.349	201	A2-201-G	377420.3554	3766541.289
126	A2-126-G	377614.3489	3764511.634	164	A2-164-G	371885.0565	3774921.484	202	A2-202-G	377179.0728	3766253.608
127	A2-127-G	377487.6337	3764200.617	165	A2-165-G	371476.3496	3774641.761	203	A2-203-G	377067.7935	3766090.923
128	A2-128-G	377609.3656	3765163.216	166	A2-166-G	372811.3327	3773573.947	204	A2-204-G	375892.334	3766145.551
129	A2-129-G	377667.6687	3764570.157	167	A2-167-G	372586.0468	3773647.332	205	A2-205-G	376115.126	3766202.798
130	A2-130-G	375737.7144	3765080.131	168	A2-168-G	372204.0277	3773895.415	206	A2-206-G	376328.3561	3766748.227
131	A2-131-G	375409.3422	3765162.486	169	A2-169-G	372288.7086	3773942.842	207	A2-207-G	381605.1826	3766561.744
132	A2-132-G	376246.9061	3764970.908	170	A2-170-G	372395.2462	3774198.203	208	A2-208-G	381717.5327	3766513.728
133	A2-133-G	375791.7152	3765111.663	171	A2-171-G	371260.2992	3773788.747	209	A2-209-G	382005.7003	3766117.496
134	A2-134-G	375445.34	3765130.538	172	A2-172-G	371017.5059	3773713.971	210	A2-210-G	382096.0119	3766201.362
135	A2-135-G	375222.6074	3765263.468	173	A2-173-G	371006.2239	3773550.559	211	A2-211-G	382229.908	3766245.933
136	A2-136-G	375160.858	3765241.669	174	A2-174-G	372241.454	3771264.211	212	A2-212-G	382684.5274	3765999.481
137	A2-137-G	384588.731	3766385.872	175	A2-175-G	371859.1736	3771144.238	213	A2-213-G	383217.0295	3766045.638
138	A2-138-G	384574.2007	3766139.365	176	A2-176-G	377132	3765535	214	A2-214-G	382296.7785	3765646.31
139	A2-139-G	384289.0277	3766067.834	177	A2-177-G	376145	3766637	215	A2-215-G	382301.1357	3765432.732
140	A2-140-G	383921.8502	3766118.781	178	A2-178-G	378645.79	3766508.907	216	A2-216-G	382464.8793	3765297.237
141	A2-141-G	384160.2054	3765824.675	179	A2-179-G	378071.4376	3766422.478	217	A2-217-G	382718.8564	3765287.873
142	A2-142-G	384554.7881	3765542.363	180	A2-180-G	378059.9749	3766339.443	218	A2-218-G	382751.7494	3764979.894
143	A2-143-G	384182.616	3765331.889	181	A2-181-G	377594.6775	3766683.656	219	A2-219-G	382831.1817	3765015.706
144	A2-144-G	384575.0144	3765258.071	182	A2-182-G	376133.7387	3766468.303	220	A2-220-G	383047.8449	3764765.825
145	A2-145-G	384472.0644	3765022.867	183	A2-183-G	377122.0011	3766121.885	221	A2-221-G	383112.856	3764818.904
146	A2-146-G	384542.6904	3764994.066	184	A2-184-G	376907.7722	3765762.17	222	A2-222-G	373780.8466	3765530.315
147	A2-147-G	383347.463	3764222.538	185	A2-185-G	377032.5123	3765595.84	223	A2-223-G	373693.1433	3765594.399
148	A2-148-G	383435	3764109	186	A2-186-G	375866.3806	3765264.457	224	A2-224-G	374153.558	3765609.991
149	A2-149-G	383712.3706	3764198.03	187	A2-187-G	375918.657	3766177.633	225	A2-225-G	374361.8157	3765392.358
150	A2-150-G	383772.5843	3764046.26	188	A2-188-G	375628.8381	3765958.76	226	A2-226-G	372386.6804	3766118.745
151	A2-151-G	383689.7641	3764014.433	189	A2-189-G	375566.9028	3765914.823	227	A2-227-G	372662.9937	3766532.031
152	A2-152-G	384115.8706	3764012.876	190	A2-190-G	375827.2897	3765306.102	228	A2-228-G	372805.8777	3767086.827

جدول (۲-۱): شماره و مختصات محل نمونه های ژئوشیمیایی برداشت شده (ادامه)

Row	Serial Number	Coordinate(UTM WGS84)		Row	Serial Number	Coordinate(UTM WGS84)		Row	Serial Number	Coordinate(UTM WGS84)	
		X	Y			X	Y			X	Y
229	A2-229-G	373458.3841	3767162.516	267	A2-267-G	373118.5183	3770471.607	305	A2-305-G	381424.9586	3767286.313
230	A2-230-G	374223.8971	3764613.694	268	A2-268-G	372896.557	3770060.91	306	A2-306-G	381603.4739	3767045.085
231	A2-231-G	373829.7915	3765148.73	269	A2-269-G	372833.8362	3770031.576	307	A2-307-G	380146.9786	3766201.244
232	A2-232-G	373856.6026	3764909.513	270	A2-270-G	372877.4378	3769748.97	308	A2-308-G	381526	3766849
233	A2-233-G	373613.4083	3767247.149	271	A2-271-G	372666.2606	3769453.518	309	A2-309-G	381181	3767286
234	A2-234-G	373118.3924	3767412.525	272	A2-272-G	372514.9755	3769400.837	310	A2-310-G	381225.7912	3770242.166
235	A2-235-G	373908.3081	3767914.916	273	A2-273-G	372273.9093	3769375.058	311	A2-311-G	381268.1788	3770161.784
236	A2-236-G	374262.6009	3767862.104	274	A2-274-G	371961.5661	3769739.076	312	A2-312-G	381594.8296	3769880.493
237	A2-237-G	374124.3168	3768170.177	275	A2-275-G	371718.0509	3769563.787	313	A2-313-G	381436.0131	3769880.493
238	A2-238-G	374978.6851	3768154.422	276	A2-276-G	371731.9329	3769517.553	314	A2-314-G	381503.3558	3769817.132
239	A2-239-G	374944.1032	3768579.917	277	A2-277-G	371536.9528	3769289.141	315	A2-315-G	381032.6789	3769706.899
240	A2-240-G	374411.781	3768157.315	278	A2-278-G	371178.3076	3769592.883	316	A2-316-G	381960.8762	3769226.15
241	A2-241-G	374304.5231	3768284.884	279	A2-279-G	371650.3156	3770191.49	317	A2-317-G	382027.8561	3769179.511
242	A2-242-G	374388.5975	3768800.662	280	A2-280-G	372329.5831	3768881.271	318	A2-318-G	381867.4367	3769044.003
243	A2-243-G	374763.4786	3769107.844	281	A2-281-G	371961.5991	3768206.764	319	A2-319-G	381732.9785	3769124.098
244	A2-244-G	379355.6822	3763998.475	282	A2-282-G	371687.1207	3768428.08	320	A2-320-G	381180.3475	3769029.579
245	A2-245-G	379515.1484	3763962.21	283	A2-283-G	370773.2754	3768679.887	321	A2-321-G	381131.0132	3769092.347
246	A2-246-G	380074.7718	3765084.914	284	A2-284-G	371068.112	3767721.026	322	A2-322-G	380976.2994	3769165.05
247	A2-247-G	380132.9141	3765026.525	285	A2-285-G	371636.7118	3768328.684	323	A2-323-G	380887.5734	3769238.552
248	A2-248-G	379915.0062	3764966.933	286	A2-286-G	371123.7413	3768018.505	324	A2-324-G	380908.822	3769097.573
249	A2-249-G	379926.3784	3764532.095	287	A2-287-G	371135.3383	3766785.63	325	A2-325-G	381392.6347	3768794.234
250	A2-250-G	379722.3309	3764308.63	288	A2-288-G	381498.95	3766102.249	326	A2-326-G	381258.8705	3768437.919
251	A2-251-G	379796	3764253	289	A2-289-G	381585.0764	3765752.241	327	A2-327-G	381263.3823	3768343.124
252	A2-252-G	380507.7643	3764430.899	290	A2-290-G	381304.6087	3767184.798	328	A2-328-G	381595.0295	3768501.516
253	A2-253-G	380593.6766	3764409.521	291	A2-291-G	380503.0489	3767652.793	329	A2-329-G	382335.5873	3769347.923
254	A2-254-G	380473.7924	3764018.89	292	A2-292-G	380346.618	3767629.409	330	A2-330-G	382456.9303	3769392.42
255	A2-255-G	381657	3764338	293	A2-293-G	380757.4812	3767282.234	331	A2-331-G	382373.0866	3769429.281
256	A2-256-G	381971	3764178	294	A2-294-G	380181.9605	3766803.654	332	A2-332-G	383089.2336	3768158.886
257	A2-257-G	381655.3328	3764006.403	295	A2-295-G	381571.4434	3765321.162	333	A2-333-G	383384.9598	3768181.724
258	A2-258-G	381461.9474	3764368.474	296	A2-296-G	381554.4314	3765340.25	334	A2-334-G	383352.7561	3768088.72
259	A2-259-G	381410.9465	3764394.164	297	A2-297-G	381719.7648	3765427.669	335	A2-335-G	383358.4524	3767953.255
260	A2-260-G	380973.17	3764040.445	298	A2-298-G	381539.5401	3765828.874	336	A2-336-G	383272.3541	3767882.729
261	A2-261-G	381127.7448	3764407.929	299	A2-299-G	381095.2858	3766023.003	337	A2-337-G	383213.972	3767616.828
262	A2-262-G	381171.761	3764372.979	300	A2-300-G	381118.3548	3765943.846	338	A2-338-G	383918.7845	3767907.982
263	A2-263-G	372991.3974	3770755.773	301	A2-301-G	380711.9855	3766832.178	339	A2-339-G	383836.7132	3767596.056
264	A2-264-G	372667.7369	3770704.865	302	A2-302-G	380750.3294	3766803.105	340	A2-340-G	383842.8053	3767440.912
265	A2-265-G	372278.726	3770648.664	303	A2-303-G	380781.342	3767427.284	341	A2-341-G	383760.2098	3767420.839
266	A2-266-G	372267.9644	3770596.943	304	A2-304-G	380842.4432	3767294.826	342	A2-342-G	383369.1402	3767186.587

جدول (۲-۱): شماره و مختصات محل نمونه های ژئوشیمیایی برداشت شده (ادامه)

Row	Serial Number	Coordinate(UTM WGS84)		Row	Serial Number	Coordinate(UTM WGS84)		Row	Serial Number	Coordinate(UTM WGS84)	
		X	Y			X	Y			X	Y
343	A2-343-G	383400.6733	3767157.237	381	A2-381-G	379076.8754	3768056.975	419	A2-419-G	376742.8657	3769600.671
344	A2-344-G	383423.984	3767010.205	382	A2-382-G	379307.1104	3768184.223	420	A2-420-G	378407.9488	3769535.473
345	A2-345-G	383411.6735	3766754.354	383	A2-383-G	379580.0666	3768392.41	421	A2-421-G	378033.1275	3769433.106
346	A2-346-G	382792.0972	3767865.621	384	A2-384-G	384633.299	3768963.585	422	A2-422-G	378327.6634	3769580.05
347	A2-347-G	382822.598	3767842.941	385	A2-385-G	384625.571	3768787.117	423	A2-423-G	379553.4586	3770387.286
348	A2-348-G	382891.4366	3767365.192	386	A2-386-G	384482.5701	3768849.081	424	A2-424-G	379821.5091	3769935.055
349	A2-349-G	382528.1067	3767289.991	387	A2-387-G	384403.5394	3768570.338	425	A2-425-G	379023.1243	3769845.105
350	A2-350-G	371657.323	3767789.295	388	A2-388-G	382811.7003	3769053.378	426	A2-426-G	378814.875	3769128.193
351	A2-351-G	371525.2147	3766940.807	389	A2-389-G	382745.63	3769034.576	427	A2-427-G	378629.7456	3769130.774
352	A2-352-G	372486	3765986	390	A2-390-G	383042.9905	3768833.87	428	A2-428-G	378796.2964	3768826.569
353	A2-353-G	378506.1599	3764305.977	391	A2-391-G	383304.3383	3768689.213	429	A2-429-G	378934.7419	3768653.625
354	A2-354-G	378094.5287	3764192.202	392	A2-392-G	383080.6336	3768380.486	430	A2-430-G	379038.6765	3768363.326
355	A2-355-G	378298.4567	3763922.111	393	A2-393-G	382784.112	3768401.545	431	A2-431-G	378928.9328	3768453.936
356	A2-356-G	377933.8505	3763949.026	394	A2-394-G	382568.647	3768406.543	432	A2-432-G	378854.534	3768726.213
357	A2-357-G	371056.747	3767101.804	395	A2-395-G	382441.6934	3768504.723	433	A2-433-G	378965.2099	3768832.458
358	A2-358-G	374841.7113	3764513.652	396	A2-396-G	382395.3683	3768575.91	434	A2-434-G	379419.4017	3769054.802
359	A2-359-G	374987.0932	3764005.094	397	A2-397-G	382496.4135	3768804.268	435	A2-435-G	378850.0755	3769043.375
360	A2-360-G	375281.9291	3764736.258	398	A2-398-G	382504.2033	3768151.409	436	A2-436-G	379990.1003	3769533.073
361	A2-361-G	374754.8843	3764668.583	399	A2-399-G	382290.57	3768049.699	437	A2-437-G	380038.2901	3769513.729
362	A2-362-G	378027.7592	3764174.083	400	A2-400-G	382205	3768242	438	A2-438-G	380063.5886	3769635.258
363	A2-363-G	378777.0219	3764508.17	401	A2-401-G	381957.9255	3767833.785	439	A2-439-G	379959.8781	3769874.15
364	A2-364-G	372122.0807	3767470.886	402	A2-402-G	381985.8029	3767782.65	440	A2-440-G	380183.9356	3770372.606
365	A2-365-G	371425.791	3767256.109	403	A2-403-G	381968	3767689	441	A2-441-G	379541.6966	3770037.032
366	A2-366-G	378541.6381	3763923.146	404	A2-404-G	377932.2064	3769353.71	442	A2-442-G	380506	3770317
367	A2-367-G	374783	3763816	405	A2-405-G	377943.3078	3769443.094				
368	A2-368-G	375205	3763562	406	A2-406-G	377733.9872	3770080.133				
369	A2-369-G	379755.3624	3766615.043	407	A2-407-G	377886.8047	3769368.577				
370	A2-370-G	379696.6111	3766994.014	408	A2-408-G	377327.321	3767702.835				
371	A2-371-G	379621.5525	3767120.04	409	A2-409-G	377386.5326	3767724.078				
372	A2-372-G	379479.1763	3767518.747	410	A2-410-G	377125.1111	3767583.126				
373	A2-373-G	379241.3192	3767538.267	411	A2-411-G	377157.2071	3767681.846				
374	A2-374-G	379574.6224	3767886.108	412	A2-412-G	376662.6695	3770389.967				
375	A2-375-G	379811.6403	3767904.731	413	A2-413-G	377427.2643	3770209.715				
376	A2-376-G	380012.1255	3768034.008	414	A2-414-G	375771.3378	3769915.347				
377	A2-377-G	380429.8169	3767929.398	415	A2-415-G	376247.2355	3770287.406				
378	A2-378-G	380389.6445	3767969.447	416	A2-416-G	376377.528	3769580.738				
379	A2-379-G	380042.0601	3768441.112	417	A2-417-G	376404.5904	3769598.191				
380	A2-380-G	379174.7645	3768091.942	418	A2-418-G	377077.9012	3769585.32				

جدول (۲-۲): نتایج آنالیز نمونه های ژئوشیمیایی برداشت شده

Sample No.	Ag	Al	As	Au	B	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs	Cu	Fe	Hg	K	La	Li	Mg	Mn	Mo	Na	Nb	Ni	P	Pb	Rb	S	Sb	Sc	Sn	Sr	Te	Th	Ti	Tl	U	V	W	Y	Zn	Zr
A2.1.G	0.11	85300	14.1	2	<	413	2.3	0.4	92400	0.2	423	20.9	98	6	41	50500	0.08	18100	208	54.3	18200	1080	1.2	9940	9.4	93	898	32.9	102	880	1	18	2.2	272	<	16.2	5500	0.5	1.82	138	1.4	21.2	103	89
A2.2.G	0.1	97200	16.9	1	<	449	2.9	0.6	84600	0.3	508	25.8	109	7.5	43.1	57500	0.09	19200	224	60.8	18800	1150	1	8040	11.8	100	802	35.3	127	750	1.2	20	2.8	239	<	19.4	6100	0.6	2.18	156	1.2	26.9	138	92
A2.3.G	0.11	79900	17.4	1	<	435	2.2	0.5	63200	0.3	462	26.6	100	6.7	33.9	52600	0.07	16900	189	52.7	17400	1240	1.2	7040	11.3	93	809	31	105	580	1.1	15	2.6	192	0.3	17.5	5590	0.6	1.88	144	1.3	24	137	82
A2.4.G	0.06	81100	10.7	2	<	433	2.2	0.3	71200	0.2	69.1	16.6	105	5.8	29.5	47500	0.08	17000	39	52.3	18200	1100	0.8	7890	9.6	90	726	24.4	88.7	650	0.8	15	2.2	225	<	8.53	5420	0.5	1.51	135	1.1	16.9	104	87
A2.5.G	0.04	91300	11.9	2	<	402	2.4	0.4	37300	0.2	135	23.3	90	7.7	29.2	51100	0.06	18800	78	60.7	16300	1130	1	9770	10.2	77	751	31.1	124	430	0.8	18	2.6	173	<	12.3	5500	0.6	1.74	134	1.1	18.4	134	86
A2.6.G	0.04	83600	15.3	2	<	389	2.3	0.4	70900	0.2	401	23.3	98	6.4	42.9	52800	0.08	17200	188	53.6	17800	1020	1.2	8270	9.6	101	737	31.7	107	590	1	17	2.4	231	<	16.3	5510	0.5	1.87	142	1.1	20.8	112	93
A2.7.G	0.07	94300	12.1	2	<	469	2.6	0.3	38600	0.3	87.7	20.9	114	6.7	33.7	52700	0.06	18900	47	58.6	18500	1210	0.9	9660	11.7	100	714	33.9	121	410	0.9	19	2.6	173	<	10.6	6330	0.6	1.78	153	1.1	21	127	88
A2.8.G	0.09	79300	10.6	2	<	375	1.9	0.3	49100	0.2	99.7	17.1	87	5.7	26	44200	0.06	15500	52	42.4	17000	761	0.8	9210	11.2	82	795	26.2	104	590	0.7	16	2.3	238	<	9.49	5500	0.5	1.67	119	0.9	18.3	110	85
A2.9.G	0.03	88200	18	1	<	404	2.4	0.6	27200	0.2	378	35.3	91	6.9	43.2	58300	0.06	17800	151	47.3	15600	961	0.9	5670	10.7	99	618	39.2	134	240	1.1	18	3.3	100	<	15.6	5730	0.6	1.96	159	1.1	23.3	159	84
A2.10.G	0.03	77300	18	<	<	393	1.9	0.5	61700	0.3	407	26.7	83	5.9	32.5	51200	0.06	15300	171	44.1	15200	976	1.9	6920	11.2	83	744	38.4	109	470	1.2	15	2.6	183	<	15.3	5670	0.6	1.85	138	1.5	21.9	133	74
A2.11.G	0.05	67700	13.6	2	<	355	1.8	0.4	64900	0.2	162	20.4	83	6.1	25.9	43400	0.08	14300	96	45.7	14400	878	1.1	5960	9.2	77	623	28.5	85.6	540	0.9	13	2.2	180	<	11.9	4630	0.5	1.75	114	1.1	18.1	106	75
A2.12.G	0.04	73000	12.1	1	<	377	1.9	0.4	64000	0.3	145	20.1	101	6.1	24.4	44400	0.07	15000	68	49.7	15700	1010	1.1	8120	10.4	84	684	23.8	102	530	0.9	14	2.5	229	<	11.3	4960	0.5	1.82	123	1.1	18.8	108	81
A2.13.G	0.08	85600	8.9	<	<	366	1.9	0.3	31500	0.2	87.2	16.6	80	6.3	28.7	43700	<	16500	44	52.5	16600	816	0.9	10700	10.2	73	783	21.9	114	390	0.7	16	2.3	180	<	9.62	5150	0.5	1.58	120	1	19.5	132	81
A2.14.G	0.01	83700	6.4	2	<	288	1.5	0.3	104000	0.2	88.5	12.1	54	5	24.9	34100	0.05	12800	44	52.6	13100	572	1	9850	6.3	53	684	21.4	89.5	1070	0.5	12	1.9	337	<	8.37	3410	0.4	1.41	102	0.8	15.3	100	65
A2.15.G	0.04	90000	8.3	2	<	399	2.1	0.3	43000	0.2	86.3	17.9	87	6.6	30.7	45900	0.06	17400	45	60.4	17200	969	0.9	11100	9.5	68	1010	26.1	114	550	0.6	16	2.5	169	<	9.58	5200	0.5	1.52	130	1.1	18.8	134	86
A2.16.G	0.01	74800	5	1	<	286	1.5	0.2	111000	0.2	63.7	10.7	53	5.4	16.6	35600	0.07	13900	31	52.8	13200	505	0.5	9840	6.8	42	677	17.5	99.6	880	0.3	13	1.8	399	<	7.85	3800	0.4	1.31	97	0.7	16.3	87.3	66
A2.17.G	0.04	74200	6.2	1	<	290	1.4	0.2	87500	0.2	68.8	12.5	56	5.4	19.8	33600	0.06	12100	32	46.3	13100	554	0.7	8930	6.9	49	602	20.4	93.6	1000	0.5	12	2	265	<	7.81	3580	0.4	1.38	96	0.8	16.1	97.8	64
A2.18.G	0.15	83500	8.6	<	<	343	1.7	0.3	66000	0.2	76.4	15.2	80	6	26.4	40900	0.07	15500	38	48	16200	795	0.9	11100	8.9	67	831	24.8	107	980	0.7	15	2.3	242	<	8.79	4800	0.5	1.55	112	0.9	18.3	122	82
A2.19.G	0.03	69300	7.6	<	<	279	1.3	0.3	72600	0.2	80.2	15.4	67	5.2	18.7	36300	0.06	12600	35	44	13200	705	0.8	9500	8	49	826	23.7	86.3	600	0.5	11	2.1	167	<	9.05	3870	0.4	1.45	94	0.9	17.4	114	67
A2.20.G	0.1	91100	8.3	1	<	334	1.7	0.3	96000	0.2	94.8	15.2	74	5.1	35.3	41700	0.07	14800	54	52.1	16800	830	1	11200	7.9	66	785	25.2	95.4	710	0.7	14	2	280	<	8.73	4800	0.4	1.44	110	0.9	16.5	120	73
A2.21.G	0.32	94400	7.8	<	<	376	2.1	0.3	46300	0.3	82.9	16.8	71	6.1	31.3	45600	0.06	16600	45	58.5	17400	1010	0.9	11800	9.6	72	878	24.9	112	450	0.6	16	2.4	185	<	9.12	5470	0.5	1.52	127	1.1	18.3	131	82
A2.22.G	0.01	113000	10.6	<	<	528	2.8	0.3	28700	0.3	105	20.7	107	6.9	48.7	58300	0.06	20300	66	68.3	21600	1370	1	13900	10.3	101	838	32.9	121	320	0.7	22	2.6	176	<	10.9	6900	0.6	1.76	162	1	21	147	84
A2.23.G	0.51	96800	9.9	2	<	415	2.1	0.3	35900	0.4	126	19	106	5.2	51.8	47500	0.06	14900	79	52.6	17400	1020	1.4	12300	9.9	98	1400	41.2	86.4	580	0.9	14	2.6	173	<	10.6	5630	0.5	1.63	140	1.1	18.4	194	90
A2.24.G	0.04	78200	8.5	6	<	332	1.6	0.3	84900	0.2	107	16.4	83	5	26.1	41600	0.06	13300	60	49.2	15000	827	0.8	11200	8.7	64	847	35.4	86.5	740	7.4	14	7.7	247	<	9.3	5130	0.4	1.49	109	1	16.5	115	78
A2.25.G	0.08	95500	7.6	2	<	401	2	0.3	68200	0.2	78.9	16.7	83	6.4	28.6	46400	0.07	16600	42	60.5	17500	912	0.7	11600	9.1	72	974	25.2	112	650	0.5	17	2.4	233	<	9.29	5110	0.5	1.61	133	1	18.7	123	87
A2.26.G	0.02	64700	7.1	2	<	318	1.7	0.3	131000	0.2	71.7	13.1	64	4.6	23.5	35500	0.06	12500	38	38.8	11900	735	0.7	8960	6.1	61	706	27.5	86.8	1020	0.6	13	1.7	392	<	7.69	3520	0.4	1.46	99	0.6	15.1	80.7	68
A2.27.G	0.04	68100	8.3	1	<	365	1.6	0.2	148000	0.2	67.6	13.7	69	4.6	23.7	38300	0.07	13000	37	40.2	15000	790	0.7	8600	6.3	68	631	25	82.9	990	0.6	13	1.7	422	<	7.22	3740	0.4	1.53	101	0.6	14.9	81.3	73
A2.28.G	0.04	67200	6.3	1	<	310	1.6	0.3	128000	0.2	80.4	13.1	62	4.4	23.7	36500	0.06	12600	46	40.3	13300	753	0.6	9870	6	61	761	28.9	86.9	970	0.6	13	1.6	399	<	7.59	3690	0.4	1.35	100	0.7	15	81.4	66
A2.29.G	0.04	88700	7.2	1	<	406	2.3	0.3	171000	0.2	112	15.7	71	5.6	28.7	47700	0.06	17000	73	53.9	18500	988	0.7	12200	7.1	77	835	29.8	106	1190	0.7	17	2	515	<	9.31	4980	0.5	1.7	127	0.7	17.8	92.4	83
A2.30.G	0.09	74600	6.5	<	<	364	2	0.3	164000	0.2	86.3	13.8	60	4.6	27.8	40400	0.07	14000	55	43	15500	915	0.6	10500	6	68	824	34.4	87.1	1120	0.6	14	1.7	472	<	7.76	4240	0.4	1.38	108	0.5	15.1	85.3	77
A2.31.G	0.04	68700	7.4	2	<	323	1.6	0.3	160000	0.2	74	14.2	62	4.5	24.1	37700	0.06	12800	41	38	14300	876	0.7	9420	6.5	67	779	29	87.7	990	0.7	13	1.7	411	<	7.24	4010	0.4	1.46	98	0.5	15.6	81.1	69
A2.32.G	0.06	81600	8.6	1	<	398	2.1	0.3	130000	0.2	116	17.2	73	6.2	32.3	43700	0.06	16400	68	41.9	13700	1010	0.7	9570	6.9	75	863	35.4	107	920	0.7	16	2.2	367	<	9.37	4310	0.5	1.67	121	0.7	16.8	101	80
A2.33.G	0.34	86700	7.7	1	<	390	2.3	0.3	127000	0.2	106	17.3	80	5.5	36.3	46100	0.06	15900	67	43.4	16200	1080	0.8	9590	6.6	91	843	34.2	100	820	0.7	17	2.1	402	<	9.14	4810	0.5	1.66	130	0.6	16.4	93.2	84
A2.34.G	0.02	72500	7.1	4	<	321	1.9	0.3	153000	0.2	95.6	14.7	64	4.9	27.6	38700	0.06	13300	55	42.3	13800	856	0.6	10300	6.1	63	797	31	93.6	1060	0.8	14	1.8	472	<	8.27	3840	0.4	1.51	103	0.6	16.4	89.2	71
A2.35.G	0.02	74700	6.4	1	<	362	1.9	0.3	137000	0.2	76.6	14.1	71	4.8	26.1	38900	0.07	13400	44	41.2	11900	878	0.7	11200	6.3	64	879	28.7	90.1	880	0.5	14	1.8	403	<	7.54	4150	0.4	1.46	107	0.6	15.8	89.1	74
A2.36.G	0.04	80600	7	2	<	356	2.2	0.3	167000	0.3	84.6	15.7	68	5.1	35.1	43200	0.07	14900	53	45	12900	953	0.6	11700	5.9	74	799	35.4	97.8	1050	1	16	1.9	521	<	8.06	4120	0.4	1.51	115	0.6	16.7	93.5	76
A2.37.G	0.03	84800	5.9	<	<	375	2.1	0.2	157000	0.2	71	12.5	77	5.1	31	43700	0.05	15600	45	52	17200	897	0.6	13000	6.4	64	893	24.9	93.7	1180	0.5	16	1.9	528	<	7.49	4610	0.4	1.52	123	0.7	16	86.1	89
A2.38.G	0.05	88900	7.1	1	<	421	2.2	0.3	152000	0.2	94.7	15.6	86	5.5	38.3	47200	0.07	15700	61	52.6	17200	1000	0.7	12100	7.1	77	993	33.7	104	990	0.7	17	2	432	<	8.54	5020	0.5	1.58	129	0.9	17.4	103	87
A2.39.G	0.06	82000	8.1	<	<	358	2.2	0.4	176000	0.3	90.7	17	73	4.8	35.9	46300	0.06	15200	61	48.5	16000	1040	0.7	12000	5.8	82	827	38.7	94.2	1060	1.5	16	1.8	554	<	8.4	4240	0.4	1.5	120	0.7	17	92.8	77
A2.40.G	<	85600	5.9	<	<	349	2.2	0.3	184000	0.2	75.2	13.6	62	5	29.9	44200	0.07	15400	48	51.2	16600	908	1.2	12800	6.3	67	879	33.3	102	1130	0.8	16	1.9	563	0.5	7.91	4440	0.4	1.52	121	1.6	16.3	84.9	84
A2.41.G	0.04	99400	7	1	<	438	2.4	0.3	102000	0.2	97.9	16.1	84	5.4	38.9	51400	0.06	17000	66	62.8	19400	1110	1.2	14200	7.1	84	1150	34.1	102	750	0.7	18	2.2	311	0.3	8.94	5440	0.5	1.6	145	1.5	17.4	115	92
A2.42.G	0.06	95200	7.6	1	<	442	2.6	0.3	122000	0.2	84.8	15.6	100	5	48.5	53700	0.06	16400	59	63	19200	1180	1.2	13800	7	94	1170	38	83.8	940	0.7	17	2	367	0.2	8.04	5580	0.5	1.53	149	1.3	16.4	110	65
A2.43.G	0.04	111000	6.6	1	<	479	2.7	0.3	116000	0.2	129	16.2	94	5.4	45.4	57200	0.07	17400	102	73.8	19600	1230	0.9	15900	7.2	85	1110	37.1	95.9	740	0.6	20	2.1	363	<	10.3	6070	0.5	1.6	158	1.1	16.9	116	68
A2.44.G	0.09	112000	22.3	3	<	552	3.3	0.7	91600	0.2	622	36.2	136	6.2	53.1	81000	0.06	18900	404	73.9	22800	1520	1.3	11200	8.9	162	1190	81.3	104	730	1.4	23	3.3	267	0.3	20	7420	0.5	2.23	204	1.2	22.7	137	78
A2.45.G	0.39	73900	15	3	<	327	1.7	0.7	79100	0.2	710	33	67	6.2	46.3	49100	0.08	20600	297	55.4	12700	1220	1	8840	7.8	66	694	38.9	116	670	1.4	13	2.7	215	<	25.4	3700	0.4	1.94	111	2.5	22.7	176	64
A2.46.G	0.17	74800	14.7	1	<	348	1.8	0.4	39800	0.2	228	25.6	79	6.5	34.3	49000	0.08	19800	143	46.6	15300	848	0.9	6370	9.6	82	603	26.9	112	350	1.2	15	2.4	144	<	15.1	4550	0.5	1.82	127	2.4	19.5	116	77
A2.47.G	0.1	69700	20.7	1	<	324	1.7	0.6	75300	0.2	605	34.7	77	6.1	51.8	56600	0.08	17700	261	46	15600	819	1.1	5930	8.4	109	669	40.9	101	620	1.5	14	2.2	229	<	20.4	4380	0.4	2.19	138	2	21.7	114	70
A2.48.G	0.09	77600	11.5	<	<	366	1.9	0.5	63300	0.2	213	26.1	70	6.6	31.4	46100	0.1	21000	133	55.3	13500	1210	0.8	8950	8.6	67	623	26.6	118	500	1	15	2.1	192	<	15.2	4240	0.5	1.8	116	2.3	18.5	115	77
A2.49.G	0.09	55800	5.3	2	<	233	1.5	0.2	50000	0.3	48.1	17	55	6.3	28.5	30300	0.1	20200	22	41.9	11900	1280	0.7	6540	5.3	44	2060	20.1	86.9	2470	0.7	10	2	182	<	6.42	2550	0.3	1.08	74	1.5	11.5	118	51
A2.50.G	0.14	69900	10.9	<	<	352	2	0.5	38500	0.2	197	25.2	78	7.2	34.9	42000	<	19400	102	52.3	11800	1220	0.8	7970	8.8	65	863	30.6	119	750	0.9	14	2.3	150	<	14.2	3800	0.5	1.72	115	3.2	18.6	136	74

جدول (۲-۲): نتایج آنالیز نمونه های ژئوشیمیایی برداشت شده (ادامه)

Sample No.	Ag	Al	As	Au	B	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs	Cu	Fe	Hg	K	La	Li	Mg	Mn	Mo	Na	Nb	Ni	P	Pb	Rb	S	Sb	Sc	Sn	Sr	Te	Th	Ti	Tl	U	V	W	Y	Zn	Zr
A2.51.G	0.13	91000	8.5	2	<	401	2.3	0.4	33700	0.2	127	21.4	101	6.8	34.1	51200	0.07	25600	75	62.5	17800	1520	0.8	10900	10.3	84	870	26.9	122	460	0.8	18	2.6	203	<	11.8	5470	0.5	1.75	133	2.5	19.4	142	94
A2.52.G	0.18	77000	11.7	3	<	346	2.1	0.4	12400	0.3	143	27.2	83	7.7	35.1	45600	0.05	21000	67	53.4	14500	1550	0.9	9520	11.2	74	696	26.8	126	310	1	15	2.9	133	<	12.5	4620	0.6	1.96	114	2.5	20.7	154	75
A2.53.G	0.16	77200	11	2	<	373	2.2	0.4	10700	0.2	78.4	25.3	80	8.5	31.5	45800	0.06	22700	34	55.3	14500	1620	0.8	9440	10.6	70	805	25.9	125	250	1	15	2.5	126	<	10.1	4620	0.6	1.79	119	2.3	17.8	164	78
A2.54.G	0.11	79100	11.5	2	<	362	2.2	0.4	30700	0.2	143	26.9	83	8.2	34.5	46300	0.06	21800	72	57.8	14100	1440	1	9330	9.2	67	700	31.7	126	770	1.1	15	2.4	171	<	12.6	4300	0.5	1.68	118	2.5	17.6	155	73
A2.55.G	0.15	83800	10.6	1	<	398	2.1	0.4	18700	0.3	102	22.5	101	7.6	30.6	48500	<	23400	49	56	16100	1450	1	9290	11.6	78	565	22.8	128	270	0.9	17	2.5	131	<	13.5	5100	0.5	1.9	128	2.4	19.5	141	84
A2.56.G	0.1	69900	10.5	1	<	317	1.6	0.4	48300	0.2	167	22.4	71	6.4	30.1	41200	0.07	18800	82	49.1	12500	1040	0.8	8380	9.8	64	570	22.7	112	450	0.9	13	2.2	156	<	12.9	4000	0.5	1.72	107	2.5	18.4	115	73
A2.57.G	0.14	76000	11.7	1	<	366	1.9	0.4	41800	0.2	168	24.1	81	6.8	33.4	46500	0.09	21200	89	54.5	14100	1210	0.9	9250	10.4	72	660	25.3	115	410	1	14	2.4	175	<	13	4570	0.5	1.76	121	3	19.3	132	75
A2.58.G	0.12	68200	7.5	1	<	291	1.3	0.3	75500	0.2	83	14.8	58	6.1	18.7	37900	0.07	18400	36	51.1	13500	702	0.6	8280	8.5	52	630	18.8	106	680	0.7	12	2.1	281	<	9.6	3580	0.4	1.73	103	2	14.9	103	64
A2.59.G	0.08	74000	8.3	2	<	326	1.5	0.3	83000	0.2	75	14.6	69	6.4	23.8	40400	0.08	19000	35	53.8	14500	726	0.7	7670	8.5	61	520	16.2	111	600	0.6	14	2.1	256	<	9.15	3840	0.5	1.61	115	2.1	15.1	97.1	73
A2.60.G	0.12	70900	11.4	2	<	326	1.5	0.3	61500	0.2	83.6	18.6	78	6.6	25	40400	0.07	20100	35	44.1	15400	797	0.9	7100	10.3	73	594	17.7	112	460	0.9	13	2.3	206	<	9.42	4150	0.5	1.68	110	2.2	16.6	112	72
A2.61.G	0.11	69500	11	1	<	370	1.7	0.4	25000	0.2	141	22.2	81	6.6	28.3	42800	0.1	20300	65	50.8	13400	1060	0.9	9400	10.6	68	641	22.5	112	230	0.9	12	2.5	134	<	11.9	4550	0.5	1.67	116	2.2	17	137	70
A2.62.G	0.14	66600	8.5	1	<	283	1.4	0.3	86200	0.2	104	16.7	68	6.5	23.2	37100	0.08	18000	44	47.4	12900	875	2	7790	9.2	60	526	20	113	660	0.8	13	2.1	249	<	10.2	3610	0.6	1.74	106	2.8	16.3	109	71
A2.63.G	0.1	67200	8	<	<	279	1.4	0.3	87500	0.2	110	16.3	61	6.7	17.9	37200	0.09	17700	48	47.7	12600	790	1.2	7600	9	55	479	18.8	112	1040	0.8	12	2.1	219	<	10.4	3700	0.4	1.63	100	2.6	16.6	106	74
A2.64.G	0.13	71300	9.1	<	<	316	1.5	0.3	77300	0.2	135	19.2	72	6.4	26.4	39600	0.09	19000	61	50	13600	950	1	7730	9.6	65	497	20.8	118	610	0.8	13	2.9	232	<	11.7	3920	0.5	1.78	108	2.2	17.5	110	77
A2.65.G	0.12	84000	10.6	1	<	389	2.1	0.4	77100	0.2	188	22.9	86	7.3	37.5	49800	0.09	16800	117	67.3	15800	1390	1	10800	10.1	75	789	31	117	450	1	17	2.8	234	<	14.3	5300	0.5	1.75	134	2.4	18.9	132	95
A2.66.G	0.17	65300	7.4	1	<	277	1.3	0.3	116000	0.2	100	14.6	66	5.2	20.1	37700	0.09	17100	47	47.6	13600	754	0.9	8640	8.6	55	476	18.4	93.1	940	0.7	12	2	354	<	9.63	3770	0.4	1.65	101	1.8	15.9	91	72
A2.67.G	0.13	86500	10.3	2	<	397	2.3	0.4	31500	0.2	184	20.6	90	6.7	34.5	51700	0.06	17200	86	56.4	16200	1050	0.9	10900	11.6	69	1160	20.5	121	560	1	16	2.7	107	<	14.3	3720	0.5	1.81	126	2.4	19.3	144	63
A2.68.G	0.07	71300	10.9	2	<	309	1.5	0.4	75900	0.2	198	19.2	69	6.2	25.1	40800	0.07	18000	104	50.1	15300	874	0.9	6190	8.7	62	520	21.4	106	600	0.8	13	2.4	241	<	13.8	3830	0.4	1.84	111	1.8	17.2	110	69
A2.69.G	0.13	59700	13	4	<	269	1.2	0.2	109000	0.2	64.3	14.2	59	5.5	41.7	32300	0.07	17600	26	40.6	14600	619	0.6	7330	7.7	51	953	19.7	106	1080	0.7	11	2.9	444	<	8.13	3220	0.4	1.59	84	1.5	16.1	96.4	61
A2.70.G	0.09	66100	7.7	2	<	305	1.3	0.2	90100	0.2	63.6	14.4	63	5.9	22.3	34700	<	19800	27	43.4	14700	648	0.7	8720	8.4	53	883	18.1	111	770	0.6	12	2.8	351	<	8.28	3590	0.5	1.52	94	1.8	16.6	102	66
A2.71.G	0.08	72200	7.2	1	<	308	1.4	0.3	71100	0.2	134	17.8	65	6.1	25.3	38800	0.09	19700	61	48.8	14300	830	0.9	9420	8.5	53	694	19.5	118	550	0.6	13	2.2	234	<	11	3830	0.5	1.55	99	1.9	19.1	118	71
A2.72.G	0.08	54900	14.3	2	<	297	1.4	0.7	127000	0.2	914	28.4	59	4.8	43.2	51400	0.12	15900	432	42.4	11900	820	1.1	7210	6.2	76	838	32.3	91	940	1.9	11	1.7	374	0.2	30.9	3120	0.3	2.08	99	1.5	28.7	117	55
A2.73.G	0.12	56900	5.4	1	<	246	1	0.2	129000	0.2	102	12.5	45	5.2	17.4	28900	0.06	15800	41	36.8	11400	523	0.7	8030	6.8	41	554	16.2	97.6	1090	0.6	10	1.9	414	<	9.02	2890	0.4	1.43	79	1.4	16.3	90.6	56
A2.74.G	0.11	60000	6.8	<	<	293	1.1	0.3	120000	0.2	127	14.3	49	5.4	22.7	31700	0.07	16900	54	36.6	11700	604	0.7	8210	7.3	45	583	19.5	104	900	0.7	11	1.9	404	<	9.98	3200	0.4	1.5	84	1.8	18.1	96.5	62
A2.75.G	0.1	83600	9.1	2	<	410	1.9	0.3	11000	0.3	89.5	19.3	102	6.2	34.1	46900	0.06	22800	42	56.2	17600	1150	1	11200	10.8	80	914	26.5	116	440	0.8	15	2.6	127	<	9.99	5220	0.5	1.65	131	2.2	21.4	164	85
A2.76.G	0.1	85200	7.6	<	<	398	1.9	0.3	41600	0.2	102	18.7	80	6.4	28.9	46700	0.1	23000	50	59.9	17100	1000	0.7	11700	10.2	66	800	22.7	124	430	0.6	16	2.5	199	<	10.6	5070	0.5	1.6	126	1.9	19.2	134	84
A2.77.G	0.09	73800	5.4	<	<	309	1.4	0.2	90500	0.2	64	12.3	60	5.7	23.8	36900	0.1	19600	30	50.5	14900	729	1.6	9990	7.8	43	708	15.9	116	800	0.5	13	2	312	<	8.17	3930	0.4	1.37	100	1.8	18.3	98.4	71
A2.78.G	0.08	75700	6.7	1	<	326	1.4	0.2	119000	0.2	134	15.9	64	5.6	26.6	39700	0.1	14900	72	57.6	14800	857	1	11800	8	57	727	21.2	109	590	0.6	15	2	360	<	10.8	4440	0.4	1.5	106	1.7	17.5	104	79
A2.79.G	0.06	58600	4.8	<	<	237	1.1	0.2	137000	0.2	84.2	12.7	47	5.1	19.1	31000	0.1	17000	39	39.7	12000	563	0.7	8450	6.3	46	583	17.1	94.6	1150	0.5	11	1.8	485	<	7.93	3070	0.4	1.34	84	1.6	15.3	76.7	60
A2.80.G	0.09	75500	9.6	<	<	370	1.6	0.3	97900	0.2	77.9	16.1	79	6.2	30	40000	0.09	16300	41	46.3	13800	916	0.9	9640	8.5	70	841	21.5	114	560	0.9	16	2.1	329	<	9.09	4690	0.5	1.58	109	2	17.5	94.5	90
A2.81.G	0.07	80100	8.2	<	<	409	2	0.3	22000	0.2	87	19.3	123	5.7	31.5	47000	0.11	23200	43	60.5	17200	1090	0.9	12800	10.2	72	821	23.9	115	260	0.7	16	2.4	134	<	10	5280	0.5	1.51	131	2.4	19.2	140	81
A2.82.G	0.04	72000	7.1	<	<	306	1.5	0.3	98400	0.2	135	17.4	66	5.9	28.2	39800	0.13	20400	66	47.9	12900	816	0.8	9900	7.8	56	664	23.2	114	710	0.7	13	2.1	307	<	10.6	3880	0.4	1.45	104	1.9	19	110	72
A2.83.G	0.05	72700	7.1	1	<	301	1.6	0.3	136000	0.2	85.5	14.6	55	5.7	24.4	38400	0.11	15700	46	52	13100	831	1.5	11500	7.8	55	690	22.8	112	600	0.9	15	2.1	397	0.4	8.97	4160	0.4	1.4	102	4.2	17.9	95.3	79
A2.84.G	0.08	81800	7.8	<	<	360	1.9	0.3	46300	0.2	60	15.3	74	6.6	29.2	43000	0.09	23900	29	50.8	14700	845	1.2	10400	9.7	66	700	22	127	500	0.8	16	2.4	217	<	8.59	4730	0.5	1.51	120	3.2	18.4	125	84
A2.85.G	0.07	82000	6.8	1	<	340	1.7	0.3	76500	0.2	79.1	15.8	70	6.1	31.3	42400	0.1	21900	39	51.6	15600	871	1.1	10700	8.4	62	859	23.5	120	750	1	15	2.3	241	<	8.81	4290	0.5	1.4	117	3	17.9	120	78
A2.86.G	0.03	78700	6.9	<	<	322	1.6	0.3	88400	0.2	70.9	15.1	64	6	26.4	40300	0.1	21400	34	48.9	14500	777	0.9	11100	8.3	57	706	21	117	620	0.6	14	2.3	277	<	8.71	4200	0.5	1.43	106	2.6	17.4	108	77
A2.87.G	0.39	59400	7.3	<	<	260	1.2	0.4	1230000	0.3	131	18.3	46	5.5	24.3	34500	0.08	17400	55	38.5	10600	803	1	8430	6.9	52	553	22.1	107	870	0.8	11	1.9	417	<	10.4	3010	0.4	1.44	85	2.2	19.9	106	61
A2.88.G	0.09	63100	6.8	<	<	259	1.2	0.3	108000	0.2	83.8	14.7	53	4.9	25	34100	0.1	17800	38	37.9	10800	755	1	10200	7.6	51	630	23.3	102	730	0.7	11	2	371	<	8.73	3530	0.4	1.4	87	2.6	18	103	67
A2.89.G	0.1	61700	13.6	<	<	267	1.1	0.3	114000	0.2	101	14	48	5.3	18.7	31600	0.07	14800	46	35.7	10600	569	0.4	8440	7.2	44	650	26.9	61	1030	0.5	10	2	339	<	10.2	2730	0.4	1.64	82	0.7	19.6	92.3	57
A2.90.G	0.32	67500	10.9	2	<	209	1.2	0.3	116000	0.2	73.3	12.2	45	5.1	18.9	33700	0.07	16300	41	38.9	11600	608	0.2	8980	6.2	42	543	28.9	57.8	920	0.4	10	1.8	363	<	8.46	3040	0.4	1.49	81	0.4	17.1	84.6	60
A2.91.G	0.25	71900	12.7	<	<	213	1.2	0.4	149000	0.2	99.2	14.3	43	5.8	19.4	37300	<	13200	58	47.5	11800	691	0.2	10100	6.3	40	647	43.6	65.1	880	0.6	11	2.1	436	<	9.35	3300	0.5	1.52	83	0.3	18.8	94.3	60
A2.92.G	0.49	72200	21.1	10	<	268	1.3	0.3	51700	0.3	92.2	16.8	81	6	23	39600	0.08	16900	43	46.1	15100	741	0.6	8040	10.7	61	606	27.4	65.7	590	1.1	12	2.7	199	<	10.6	3740	0.5	1.74	108	1.4	17.9	119	71
A2.93.G	0.75	88500	20.1	1	<	318	1.7	0.4	68500	0.2	86.2	17.1	93	6.5	26.7	46100	0.15	14000	50	61.5	18200	921	0.4	10400	10.7	72	680	35	71.5	440	0.8	17	2.9	218	<	11.1	4780	0.6	1.94	128	1.1	19.5	123	97
A2.94.G	0.52	58600	18.2	7	<	219	0.9	0.3	89300	0.3	63.9	13.6	50	5.3	22	31100	0.08	14200	28	37.1	12700	519	0.4	6450	8	44	833	35.1	59	6010	0.9	10	4.4	361	<	8.06	2790	0.4	1.73	82	1	15.3	122	60
A2.95.G	0.33	77100	21.7	<	<	268	1.4	0.4	85300	0.2	243	17.2	70	5.8	25.4	43100	0.16	17100	147	50.4	14500	691	0.3	8350	8.4	56	563	33.3	62.8	800	0.7	13	2.1	260	<	15.7	3660	0.5	1.92	111	0.4	18.2	103	70
A2.96.G	0.25	72100	18.9	1	<	281	1.4	0.3	27300	0.3	93.6	18.2	89	6.1	23.4	41200	0.1	16400	47	43.5	14900	681	0.4	8070	7.8	67	648	33.4	63.8	520	0.7	13	2.2	147	<	10.6	3680	0.6	1.84	103	0.1	17.4	128	59
A2.97.G	0.21	72800	19.8	<	<	293	1.6	0.4	38900	0.2	143	20.1	87	6.7	28.1	42000	0.13	12800	77	54.7	14300	860	0.4	9320	10.3	60	670	31.7	71.7	340	1	15	2.6	161	<	11.8	4200	0.6	1.73	114	1	18.5	128	72
A2.98.G	0.14	74600	12.2	1	<	226	1.3	0.2	102000	0.1	51.9	11.2	75	6	14.3	37400	0.07	12300	31	56.1	13500	545	<	7890	8.5	40	381	20.3	67.2	540	0.4	13	2.2	252	<	8.54	3690	0.5	1.73	104	1	15.5	84.7	79
A2.99.G	0.14	68300	20	1	<	267	1.3	0.3	62800	0.2	76.4	16.6	72	5.9	22.4	38000	0.06	12000	41	50.1	14600	708	0.4	7820	9.1	57	525	27.8	56.7	420	0.6	13	2.2	224	<	8.8	3620	0.5	1.73	105	0.6	15	99.3	71
A2.100.G	0.14	70000	18.7	2	<	283	1.4	0.3	89900	0.2	93.1	15.7	83	5.8	29.2	36600	0.08	11900	54	46.7	15200	684	0.4	7180	8.3	66	865	37.6	60.2	740	0.7	14	2.9	316	<	9.18	3550	0.5	1.71	107	0.4	16	98.9	82

جدول (۲-۲): نتایج آنالیز نمونه های ژئوشیمیایی برداشت شده (ادامه)

Sample No.	Ag	Al	As	Au	B	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs	Cu	Fe	Hg	K	La	Li	Mg	Mn	Mo	Na	Nb	Ni	P	Pb	Rb	S	Sb	Sc	Sn	Sr	Te	Th	Ti	Tl	U	V	W	Y	Zn	Zr
A2.101.G	0.15	96000	19.2	<	<	331	2.2	0.4	28800	0.2	79.6	22.1	94	9.7	33	50200	<	17000	51	68.5	18600	1410	0.4	11100	10.3	71	1050	38.9	74.7	530	0.8	18	2.6	153	<	10.1	5110	0.6	1.8	130	1.1	18	141	83
A2.102.G	0.13	90200	18.8	<	<	331	2	0.4	64200	0.2	98.2	19.9	96	8.7	31.8	46400	0.08	14900	63	60.9	16900	1290	0.3	10300	9.8	71	815	39.9	70.5	410	0.8	17	2.5	168	<	10.6	4790	0.5	1.79	133	0.7	17.7	138	82
A2.103.G	0.15	101000	23.1	<	<	335	2.5	0.5	41800	0.2	112	28.6	93	12	40.8	53200	0.05	16300	74	70.5	17900	1790	0.6	9470	10.4	83	667	50.7	79.3	290	0.9	19	2.7	157	<	11.9	5200	0.6	1.88	146	1	17.9	148	90
A2.104.G	0.12	80900	16.1	<	<	298	1.7	0.3	111000	0.2	107	18	76	6.2	26.3	41500	0.07	13700	67	56.7	14100	1070	0.2	9040	8.2	62	642	34.2	68.5	640	0.5	15	2.2	218	<	10.2	3960	0.5	1.61	122	0.6	16.2	104	84
A2.105.G	0.11	87300	18.3	<	<	334	1.8	0.4	86400	0.2	110	19	93	6.3	28.8	46100	0.06	14500	73	59.2	17000	1150	0.4	9720	9.7	78	691	36.6	66.1	530	0.8	17	2.3	236	<	10.7	4720	0.5	1.8	132	0.7	17.4	106	82
A2.106.G	0.13	83600	16.2	<	<	321	1.8	0.4	90900	0.2	74.2	17.6	89	6.4	27.7	44200	0.07	14200	48	60	14900	1240	0.3	9770	8.5	63	753	36.6	59.6	660	0.7	15	2.2	221	<	8.9	4340	0.5	1.6	129	0.9	15.7	108	85
A2.107.G	0.1	88800	27.4	3	<	348	1.8	0.5	97800	0.2	354	27.2	100	5.9	39.8	53100	<	13600	316	61	17400	1250	0.5	10000	8.8	85	911	48	61.1	590	1.1	17	2.1	280	<	20.4	4890	0.5	1.96	149	1.7	20.9	110	90
A2.108.G	0.13	76500	17.6	17	<	279	1.3	0.3	77800	0.2	71.7	13.7	73	5.5	25	39000	0.08	16700	39	50	15100	630	0.4	8290	7.7	54	627	33.4	56.3	1000	0.7	13	2.6	250	<	8.41	3460	0.5	1.58	109	0.4	14.5	110	77
A2.109.G	0.3	71800	29.2	16	<	290	1.3	0.3	96300	0.3	73.4	14.9	81	5.3	49.5	37700	<	16200	42	43.9	14900	667	0.4	7710	7.7	58	1190	52.6	52	1990	1.2	12	3.4	400	<	8.14	3400	0.4	1.63	105	0.5	14.1	130	76
A2.110.G	0.11	62800	22.5	<	<	297	1.2	0.2	130000	0.3	58.8	14.8	81	4.5	25.8	35900	0.08	15200	33	31.4	14600	840	0.7	6260	8	73	658	33.8	49.1	1080	0.9	11	1.7	314	<	7.11	3340	0.4	1.61	94	0.2	15.3	81.3	71
A2.111.G	0.06	72700	18.6	<	<	270	1.4	0.4	124000	0.2	186	16.4	66	4.8	31.6	41000	<	16800	121	44.9	13500	762	0.3	9080	6.3	62	747	45.2	54.6	1120	0.6	13	1.8	368	<	11.7	3230	0.4	1.49	103	<	17.1	85.8	74
A2.112.G	0.11	77900	24.4	<	<	333	1.5	0.3	108000	0.3	65.3	14.6	90	5.2	27	42200	0.06	19900	40	35.7	15800	954	0.5	8120	8.4	75	898	53.5	56.8	940	1.4	14	2.1	311	<	7.92	3940	0.5	1.62	112	0.4	15.6	89.8	86
A2.113.G	0.04	76800	21.2	<	<	357	1.4	0.2	122000	0.3	62.8	15.3	110	4.5	31.8	42200	0.09	17300	41	39.1	20300	907	0.7	8570	9.2	98	790	36.1	48	1020	0.8	14	1.8	320	<	7.4	4280	0.4	1.64	117	0.3	15.5	83.7	89
A2.114.G	0.18	81300	26.1	2	<	402	1.5	0.3	82100	0.3	65.5	16.5	127	5.2	32.9	46800	0.08	19900	43	41.2	19200	1050	0.8	7970	9.8	100	810	41.5	50.3	820	1.1	14	2.1	235	<	8.17	4660	0.5	1.7	130	0.5	16.2	101	79
A2.115.G	0.07	76100	20.3	<	<	305	1.4	0.3	146000	0.3	55.8	14.5	113	4.6	32.1	43400	0.05	18800	102	46.2	15800	887	0.3	9570	7	68	739	39.4	51.3	1170	0.7	13	1.8	393	<	10.5	3660	0.4	1.48	111	0.2	16.5	83.6	75
A2.116.G	0.14	78600	22.8	<	<	373	1.4	0.2	146000	0.3	55.8	14.5	113	4.6	32.9	43400	<	18800	38	40.1	21100	914	0.7	7830	8.7	96	721	35.9	51	1110	0.9	14	1.7	346	<	7.02	4240	0.4	1.52	122	0.4	14.5	80.4	90
A2.117.G	0.28	91800	24.4	<	<	437	1.7	0.3	102000	0.3	59.3	16.3	132	5.3	39	51900	0.08	22400	43	48.7	23700	1060	0.7	8220	9.7	121	776	37.1	49.9	1070	0.9	17	2.1	308	<	8.03	5070	0.5	1.64	142	0.4	16.2	98.8	76
A2.118.G	0.09	92800	16.3	6	<	328	1.7	0.3	62700	0.2	80.5	15.9	86	6.2	30.8	45700	0.08	20600	50	59.6	16200	827	0.3	10800	8.6	63	809	30.3	65.7	830	0.4	17	2.3	221	<	9.56	4310	0.5	1.56	125	0.4	16.8	104	80
A2.119.G	0.09	76300	13.1	<	<	260	1.3	0.2	106000	0.2	82.8	13.8	67	5.5	24.4	38700	<	18200	48	48.3	14200	703	0.1	9380	6.9	48	871	28.9	61.4	950	0.3	13	2	300	<	8.85	3310	0.5	1.44	101	0.1	17.2	90.9	77
A2.120.G	0.15	88500	16.7	<	<	313	1.5	0.3	68400	0.2	96.1	15.7	81	6.1	26.5	44700	0.06	19100	58	58.4	15300	776	0.4	10400	8.3	58	761	25.5	64.5	740	0.3	15	2.1	260	<	9.97	4040	0.5	1.62	119	0.2	17.2	98.4	87
A2.121.G	0.1	87800	15.2	<	<	333	1.6	0.3	14500	0.2	91.7	18	79	5.9	27.1	47600	0.07	18900	50	59.6	14900	846	0.4	12800	9.2	62	911	28	57.3	210	0.5	14	2.3	138	<	9.87	4360	0.5	1.57	124	0.5	15.1	122	86
A2.122.G	0.05	83000	11.2	<	<	297	1.5	0.2	104000	0.2	76.2	12.9	73	5.3	20	42900	<	16400	49	59.1	14900	701	0.1	10000	6.9	47	637	24.6	53.5	1020	0.2	13	1.9	360	<	8.38	3780	0.4	1.36	119	0.2	15.7	86.5	89
A2.123.G	0.08	59800	11	<	<	211	1	0.3	82000	0.2	89.1	13.6	48	5.2	15.8	32000	0.11	14200	42	42.5	10900	525	<	8850	6.8	36	625	22.1	50.9	760	0.2	9	1.9	273	<	8.87	2740	0.4	1.36	82	0.1	15.8	92.6	62
A2.124.G	<	62600	10.6	<	<	207	1	0.2	94700	0.2	81.3	12.5	45	5.1	16.1	31600	<	15100	39	40.8	12000	536	<	8680	6.3	33	729	20.5	58.1	840	0.3	10	1.9	325	<	8.39	2670	0.4	1.33	80	0.2	16	83.3	63
A2.125.G	0.08	62000	13.4	<	<	233	1.1	0.3	82600	0.2	105	14	54	5	19.8	33600	<	15000	52	42.9	11200	585	0.2	8740	6.8	41	619	25.3	50.1	710	0.4	10	1.9	267	<	8.69	2790	0.4	1.29	91	0.2	15.2	88.3	54
A2.126.G	0.05	57000	17.8	<	<	201	1	0.3	114000	0.2	128	14.8	47	4.5	22	31900	0.08	13500	64	34.5	11400	630	0.2	7180	6.4	43	513	25.4	53.4	910	0.7	10	1.7	389	<	9.5	2640	0.4	1.43	78	0.2	16.1	73.8	56
A2.127.G	0.1	59500	23.4	<	<	256	1	0.2	104000	0.3	55.7	15.2	80	4.8	21.5	34700	0.09	14000	29	31.2	15300	710	0.7	5460	8.5	68	526	28.9	48.1	840	0.9	10	1.9	290	<	7.17	3140	0.5	1.62	88	0.3	15	80	67
A2.128.G	0.07	63100	9.8	<	<	204	1.1	0.3	112000	0.1	101	12.6	47	5.1	14.8	32000	<	15100	52	39.1	10900	575	0.1	8040	5.7	37	524	20.7	57.7	900	0.3	11	1.8	376	<	8.93	2640	0.4	1.33	82	0.2	16	76.6	64
A2.129.G	0.09	69300	17.1	1	<	240	1.2	0.3	78100	0.2	94	14.4	71	5.5	21.7	35100	<	16700	49	40.1	13300	654	0.9	8520	7.5	51	634	29.1	60.7	690	0.8	12	2	283	0.3	9.01	3080	0.5	1.49	93	1.4	15.6	85.5	72
A2.130.G	0.06	62800	23.2	<	<	288	1.2	0.2	76700	0.3	64.4	15.9	85	5.1	21.6	36700	0.05	15900	33	30.6	14100	869	0.8	6020	9.4	71	631	28.7	51.5	650	1.1	11	1.9	217	0.2	7.86	3470	0.5	1.55	94	1.2	15.7	79.2	74
A2.131.G	0.08	68600	14.7	<	<	261	1.2	0.2	110000	0.2	65.8	12.2	64	4.4	20.8	36600	0.07	15800	39	43.2	13600	667	0.4	10200	7	48	794	30.7	49.8	980	0.8	11	1.8	356	<	7.68	3330	0.4	1.37	96	0.9	14.8	82.4	76
A2.132.G	0.07	64500	25.5	<	<	314	1.2	0.3	58200	0.3	67.6	16.7	103	5	27.5	38000	<	15800	36	33.1	15900	833	0.9	6890	10	79	615	29.9	54.4	560	1.2	11	2	203	<	7.77	3760	0.5	1.58	103	1	16.5	95.5	80
A2.133.G	0.07	49600	18.8	<	<	232	1.2	0.4	92100	0.3	192	19.2	75	5.2	23.6	31800	0.1	12900	65	34.7	9470	664	1.1	6050	8	45	529	21.1	94.5	950	0.9	10	2.5	265	<	13	3020	0.4	1.73	82	1.3	22	94.9	48
A2.134.G	0.12	50200	21.8	<	<	239	1.2	0.3	101000	0.5	144	17.5	91	5.4	21.2	34500	<	13300	49	33.3	10200	1090	1.5	6490	8.8	43	563	23.1	95.4	940	1.3	10	2.9	243	<	11.8	3250	0.5	2	82	1.6	22	123	52
A2.135.G	0.13	60200	16.8	<	<	289	1.6	0.3	112000	0.3	98.4	18	96	5.8	25.2	35800	0.06	16400	35	38.2	12100	772	1.2	7960	8.9	55	686	20.2	105	1130	1.2	13	3	352	<	10.8	3820	0.5	1.85	100	1.8	23.1	103	65
A2.136.G	0.07	67900	13.6	1	<	344	1.9	0.3	122000	0.3	78.9	14	106	5.3	30.8	39400	0.07	19500	42	37.7	12000	916	0.8	7440	6.6	61	714	23.6	90.4	1190	0.9	14	2.5	335	<	8.02	4050	0.4	1.36	113	1	16.6	76.7	65
A2.137.G	0.15	85600	20.4	5	<	418	2.7	0.4	46000	0.3	99	26	144	7.6	41.8	52500	0.13	21000	41	60.7	16200	1190	1.8	9020	12.3	87	681	24.3	122	560	1.1	19	4.7	190	<	11.8	5700	0.6	1.93	147	2.1	25.5	147	77
A2.138.G	0.06	84400	17.1	4	<	420	2.6	0.4	51000	0.3	148	22.9	144	6.3	38.6	50600	0.1	20500	71	62.3	13300	1220	1	11100	9.6	77	755	28.9	107	570	1	18	3.3	187	<	12.3	5530	0.5	1.63	143	1.9	21.5	135	74
A2.139.G	0.11	76200	18.6	5	<	379	2.2	0.4	79700	0.3	128	23.8	119	6.8	36.8	45700	0.13	18600	52	54.8	12900	1100	1.1	8910	9.9	71	699	25.4	111	920	1.1	16	3.1	203	<	11.7	4810	0.5	1.73	126	1.7	23.5	136	72
A2.140.G	0.28	84900	18.2	3	<	422	2.7	0.4	41900	0.4	99.6	21.6	156	6.3	44.5	51500	0.2	19300	47	60.7	16600	1220	2.4	9640	10.4	90	779	24.7	99.3	600	0.8	19	3.7	179	<	11	5710	0.6	1.73	148	1.6	23.3	130	74
A2.141.G	0.02	81000	14.8	19	<	400	2.8	0.3	10500	0.2	101	19.4	213	6.1	37.8	49300	0.06	21100	55	59.8	14600	1190	1.6	10200	8.8	85	787	29.1	103	540	0.7	19	2.9	144	<	9.95	5630	0.5	1.6	146	1.5	22.2	116	75
A2.142.G	<	87800	16.5	2	<	459	2.9	0.3	41900	0.2	116	18.7	147	5.5	36.9	55000	0.07	23300	71	65.4	14500	1050	0.8	11400	8	83	738	23.7	99.5	750	0.7	19	2.6	179	<	9.82	5690	0.4	1.39	162	1.4	16.1	98.6	78
A2.143.G	0.13	79800	23.4	2	<	430	2.6	0.4	51800	0.4	92.6	23.6	160	7	47	50600	0.1	21400	39	55.7	16300	971	1.8	9060	12	97	766	23	113	650	1.1	18	3.9	158	<	11.4	5650	0.6	2.06	152	1.9	23.4	134	84
A2.144.G	0.04	74700	17	4	<	397	2.3	0.3	76400	0.2	92.1	17.9	133	5.1	33	47000	0.07	19100	50	53.7	15700	1000	1	9170	8.3	84	630	21	77.4	790	0.8	16	2.5	225	<	8.92	5080	0.4	1.53	141	1.2	17.4	84.7	76
A2.145.G	0.04	86300	17.5	2	<	483	3	0.4	8600	0.3	110	22.6	158	6.3	38.8	54800	0.09	23100	54	64.6	15600	1270	1	10200	10.3	91	780	28.3	99.1	260	0.9	16	3.3	126	<	10.4	6350	0.5	1.71	161	1.7	18.4	130	86
A2.146.G	0.07	84600	17.2	2	<	471	3	0.3	8760	0.4	89.3	23.5	164	6.5	45.1	53400	0.06	22100	42	61.2	15700	1460	1.4	9300	11	96	805	28.1	101	410	0.8	18	3.5	125	<	10.1	6360	0.5	1.82	156	1.7	20.3	142	90
A2.147.G	0.03	83800	23.2	1	<	456	2.6	0.3	24700	0.4	83.3	22.9	178	6.4	40.8	51400	0.12	22100	40	53.3	18000	1370	1.6	8250	11.2	114	849	23.3	106	530	1	20	3.1	138	<	10	5930	0.5	1.84	151	1.6	22.4	120	98
A2.148.G	0.06	72200	18.7	1	<	464	2.5	0.3	9940	0.4	92.6	20.8	180	5.3	38.1	48600	0.09	20600	45	48.6	15300	1350	1.4	10500	9.9	97	787	24.1	80.4	290	0.9	15	2.8	130	<	8.9	5970	0.5	1.64	145	1.5	17.9	112	81
A2.149.G	0.03	72200	19.7	<	<	394	2.6	0.4	20100	0.2	94.7	22.9	146	7.1	37.9	50000	<	20200	43	55.9	13700	1100	1.3	7210	10	87	545	21.8	93	370	0.8	16	3.1	129	<	9.97	5240	0.5	1.66	143	1.6	18.9	127	74
A2.150.G	0.02	73300	18.2	2	<	377	2.4	0.4	30300	0.3	138	22	123	6	32.4	49400	0.07	19600	70	53.7	12600	1080	1	8110	8.5	81	610	25.9	97.1	560	0.9	16	2.9	143	<	10.3	5040	0.4	1.46	132	1.4	18	110	67

جدول (۲-۲): نتایج آنالیز نمونه های ژئوشیمیایی برداشت شده (ادامه)

Sample No.	Ag	Al	As	Au	B	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs	Cu	Fe	Hg	K	La	Li	Mg	Mn	Mo	Na	Nb	Ni	P	Pb	Rb	S	Sb	Sc	Sn	Sr	Te	Th	Ti	Tl	U	V	W	Y	Zn	Zr
A2.151.G	0.02	70500	18.1	<	1	361	2	0.3	45000	0.4	86.1	18.6	144	5.6	27.8	43200	<	18600	41	46.2	14900	1040	1.3	7750	9	86	675	21.9	92.9	620	1	16	2.5	164	<	9.15	4790	0.4	1.55	123	1.5	19.3	97.4	73
A2.152.G	0.08	69000	15.8	<	<	316	2.1	0.3	52000	0.3	62.5	17	116	6.1	29.8	44000	<	18700	31	52.2	13500	867	0.8	6740	8.4	66	576	16.8	86.8	740	0.6	14	2.6	164	<	7.91	4510	0.4	1.42	119	1.3	18	97.8	62
A2.153.G	0.06	73000	17.2	1	<	434	2.4	0.3	10600	0.3	105	20.9	153	5.7	34.5	47800	0.09	21000	52	51.6	15100	1270	1.8	8450	9.6	93	659	23.4	95.1	270	0.7	15	2.9	111	<	9.79	5530	0.5	1.57	137	1.5	19.3	113	78
A2.154.G	0.11	82100	22.8	2	<	404	2.9	0.4	12000	0.4	82.3	28.3	141	6.7	49.3	52500	0.08	21600	35	54.3	15700	1490	1.6	7320	10.8	102	585	28.7	109	280	1.2	18	3.7	113	<	10.1	5450	0.6	1.82	142	1.6	18.7	146	85
A2.155.G	0.03	81000	16.9	1	<	380	2.7	0.5	22900	0.2	180	23.5	111	7.4	35.1	48800	0.08	21000	90	63.9	12900	1430	0.9	8340	8.4	68	721	23.7	111	530	0.8	18	3	133	<	12.6	4890	0.5	1.69	138	1.4	18.8	128	84
A2.156.G	0.26	78500	24.9	2	<	367	2.3	0.5	23500	0.4	131	27.2	116	9.3	29.1	45400	<	21400	40	55	14900	1100	1.8	8010	14.2	68	1020	21	150	690	1.3	18	4.8	123	<	14.1	5070	0.7	2.41	125	2.7	27	112	83
A2.157.G	0.23	81000	17.8	2	<	379	2.9	0.5	22900	0.2	195	23.7	110	7.5	37.8	49200	<	21600	98	64.4	12900	1450	0.9	8490	8.1	68	724	24.7	108	560	0.7	18	3.1	135	<	12.7	4880	0.5	1.67	139	1.3	19.1	127	81
A2.158.G	0.06	79800	17.9	1	<	393	2.3	0.4	38100	0.2	238	20	98	6.1	28.2	47100	0.06	21100	125	57.2	13400	1060	0.8	6530	8.2	68	711	21	110	400	0.8	18	2.9	134	<	14.2	4890	0.5	1.61	139	1.2	19.5	106	80
A2.159.G	0.14	72900	21.2	1	<	389	2.3	0.5	38300	0.3	283	24	108	6.3	29	47700	<	20600	130	56.2	12900	1050	0.9	6380	9.2	70	706	21	107	420	1	15	3.2	131	<	15.7	4800	0.5	1.76	139	1.7	21.5	121	77
A2.160.G	0.07	70900	16.4	1	<	350	2	0.3	32600	0.3	138	17	129	5.7	26.1	42900	0.08	19800	63	49.4	13500	772	0.9	7830	9.5	68	917	17	101	520	0.8	16	3.2	174	<	11.3	4870	0.5	1.68	125	1.5	18.7	110	67
A2.161.G	0.09	70100	20.3	1	<	438	2.8	0.3	11200	0.4	95.3	22	160	6.8	33.4	47600	0.09	15400	40	53	15200	1180	1.3	7920	11.7	94	843	23.9	103	230	1	15	3.6	114	<	10.1	5850	0.6	1.81	145	1.8	20.3	143	81
A2.162.G	0.1	70600	18.4	<	<	374	2.2	0.3	78100	0.3	108	17.1	144	5.5	28.7	42300	0.07	13400	55	46.9	15600	965	1.1	7510	9.1	81	720	19.5	91.3	560	0.8	17	2.6	243	<	9.82	5170	0.5	1.73	128	1.4	18.6	93	84
A2.163.G	0.03	79100	16.8	3	<	399	2.5	0.3	46700	0.3	89.5	16.9	157	5.8	32	45400	<	14900	49	51.6	16200	1060	0.9	7030	9.2	86	739	20.6	96.4	380	0.8	19	2.7	173	<	9.23	5630	0.5	1.55	136	1.3	17.7	97.9	88
A2.164.G	0.03	69400	16.2	1	<	370	2.2	0.3	78000	0.3	99.5	16.6	149	5.2	30.1	41100	<	13200	53	45.6	15400	947	1.1	7200	8.5	82	704	19.7	90.4	580	0.7	17	2.5	240	<	9.1	5010	0.4	1.6	127	1.2	17.9	85.2	82
A2.165.G	0.1	81000	17.1	1	<	459	2.9	0.3	11400	0.3	92.2	18.8	164	6.2	37.3	48500	0.07	16100	47	53.6	15800	1250	1.1	8210	9.9	98	843	23.4	103	230	0.9	20	3	118	<	9.58	6050	0.5	1.63	149	1.4	18.8	115	94
A2.166.G	0.06	61100	10.6	1	<	289	1.9	0.2	73300	0.2	69.1	12.7	91	5.9	22.5	33000	<	13000	32	45.8	12000	783	0.6	6570	6.5	51	923	16.8	94.1	740	0.5	14	2.4	206	<	7.99	3650	0.4	1.36	104	0.9	14.2	88.6	67
A2.167.G	0.07	62400	12.5	<	<	299	1.9	0.3	75900	0.3	70.6	14.5	96	6.4	24.9	34700	<	13500	29	48.1	12100	800	0.7	6970	7.7	54	905	18.4	102	750	0.6	14	2.9	216	<	8.55	3830	0.4	1.55	110	1.2	16.4	106	72
A2.168.G	0.09	69400	15.9	2	<	376	2.5	0.3	25100	0.3	90.2	18.3	119	6.5	31.6	42800	<	15100	40	51.5	13900	1130	1.1	7720	9.5	72	1010	23.9	97.3	400	0.8	15	3.4	121	<	9.31	5080	0.5	1.57	130	1.5	17.7	125	75
A2.169.G	0.01	69700	14.8	1	<	346	2.1	0.3	21700	0.3	84.5	16.5	129	6.2	25.6	43200	0.07	21000	38	51.9	13900	1010	1	7490	8.6	68	909	19.1	101	610	0.8	16	2.8	114	<	8.97	4670	0.5	1.45	122	1.5	16.8	113	65
A2.170.G	0.09	67500	16	1	<	355	2.2	0.3	22200	0.3	87.6	17.8	124	6.2	27	44400	0.06	21100	38	52.6	14000	1040	1	7690	9	68	934	21.3	92.3	620	0.8	14	3	116	<	9.2	4710	0.5	1.54	123	1.5	17.4	125	68
A2.171.G	0.2	76600	19.8	1	<	386	2.3	0.4	37700	0.2	259	21.6	103	6.2	30.8	46900	<	20500	124	55.9	13000	1040	0.9	6260	8.8	72	700	21.5	107	430	0.8	17	3	130	<	14.9	4780	0.5	1.72	140	1.7	21	111	81
A2.172.G	0.23	75500	21	1	<	396	2.6	0.5	41700	0.3	303	23.9	104	6.8	34.3	45300	<	14600	144	53.7	12900	1130	1.8	5970	9.4	75	745	24.4	119	260	1.1	18	3.3	128	0.5	16.2	4870	0.6	1.78	140	2.9	22.7	119	78
A2.173.G	0.07	79800	22	1	<	425	2.7	0.5	43600	0.3	323	24.3	109	6.5	35.9	47800	<	15700	167	57.1	13400	1230	1.5	6530	9.4	77	804	26.2	118	290	1.2	19	3.4	139	0.4	17.4	5230	0.5	1.81	148	2.8	22.6	119	86
A2.174.G	0.09	82900	19	1	<	448	3.6	0.2	14500	0.6	103	26.9	129	10	55	49500	0.05	16500	51	44.8	13300	1300	1.4	14000	11.4	82	776	43.3	103	140	0.9	21	3.5	133	<	10.1	6630	0.5	1.6	153	2.4	28.2	295	89
A2.175.G	0.1	79900	19.5	1	<	628	2.4	0.3	10500	0.4	82.6	24.3	152	5.4	48.7	52000	0.08	22100	37	43.7	16500	1270	1.9	13200	14	85	853	33.3	97.6	220	0.8	20	3.3	151	<	9.71	6580	0.5	1.82	145	2.1	21.5	169	86
A2.176.G	0.19	65600	8.2	<	<	255	2.1	0.2	122000	0.1	43.7	10.8	60	5.4	20.2	33200	0.07	14300	23	39.3	11400	664	0.4	8290	5.1	37	491	15.3	103	710	0.3	15	2.3	318	<	6.59	3460	0.4	1.18	104	0.9	15.2	67.6	58
A2.177.G	0.13	80500	7.9	<	<	333	1	0.2	86800	0.2	62.7	11.9	58	5.5	34.1	40400	<	19400	30	54.8	13700	754	0.6	11000	6.4	48	734	21.8	96.6	600	0.5	14	1.6	295	<	7.5	3930	0.5	1.24	109	0.7	15.3	85.3	80
A2.178.G	0.11	79500	11.2	1	<	347	1.1	0.2	75900	0.2	135	15.7	75	5.4	39.9	43700	<	18700	65	55.3	15100	857	0.8	10900	7.4	68	693	27.3	89.4	630	0.7	14	1.6	286	<	9.5	4170	0.4	1.43	115	0.7	17	95.4	79
A2.179.G	0.15	69000	10	1	<	287	0.9	0.2	87500	0.2	154	15	66	5.5	35.7	39000	<	16800	65	49.9	13300	729	0.8	9870	6.7	58	738	42.9	78.8	870	0.7	11	1.9	300	<	9.87	3480	0.4	1.44	98	0.6	16.8	99.4	64
A2.180.G	0.19	63300	12.6	1	<	317	1	0.2	104000	0.2	119	17.2	60	5.2	41.5	37800	<	11400	47	48.1	14200	849	1	10300	8.1	63	695	26	62.2	480	0.7	10	1.8	325	<	9.35	3890	0.5	1.61	105	0.8	17.8	101	71
A2.181.G	0.12	71200	11.2	1	<	319	1.3	0.2	76900	0.2	84.4	17.9	59	6.5	39.8	41200	<	12200	34	55	14200	842	0.8	10200	8.1	63	802	24.9	73.5	370	0.7	12	2	242	<	8.54	3970	0.5	1.54	113	0.8	18.4	110	76
A2.182.G	0.06	74600	11.9	1	<	338	1.3	0.2	74300	0.2	129	18.1	58	6.2	38.2	42900	<	13100	52	58.1	13600	879	0.8	11500	8.5	57	731	28.3	87.1	300	0.6	13	2	253	<	10	4220	0.5	1.46	115	0.9	18	112	74
A2.183.G	0.2	69100	9.3	1	<	298	1.1	0.2	107000	0.2	147	14.5	54	5.6	39.1	37800	<	11500	63	51	13700	716	0.8	10500	6.9	51	788	28.9	81.3	530	0.7	12	1.8	362	<	10.3	3620	0.4	1.53	104	0.6	17.2	92.6	67
A2.184.G	0.15	65700	10.1	<	<	288	1	0.2	110000	0.2	71.7	14.3	50	5.8	36.4	36700	<	11900	28	47.7	12800	670	0.8	10200	7.3	50	760	23.9	82.3	480	0.6	11	2	340	<	8.38	3580	0.5	1.54	99	0.8	17.5	99.5	67
A2.185.G	0.15	64700	11.8	<	<	282	0.9	0.2	128000	0.2	112	15.7	45	5.8	35.2	34700	<	11700	43	40.6	12000	766	0.7	8990	7.1	50	643	24.2	94.7	460	0.8	11	1.9	366	<	9.62	3310	0.4	1.57	92	0.8	17.9	83.2	66
A2.186.G	0.15	59400	17	2	<	234	1	0.2	85800	0.3	163	17.2	61	6.2	39.3	31900	<	11400	44	35	10900	543	1.4	8030	8.1	49	1140	30.8	102	630	1.1	10	2.1	303	<	10.9	2940	0.5	1.87	82	0.9	18.3	108	56
A2.187.G	0.23	64700	8.6	<	<	308	1	0.3	116000	0.3	126	15.6	62	6.1	37.8	37700	<	12000	37	45	14100	794	1	9850	6.8	61	745	32.1	101	510	1	10	4.1	365	<	10.2	3660	0.5	1.67	98	0.8	17.1	101	69
A2.188.G	0.12	69100	13.3	2	<	313	1.6	0.2	98100	0.3	93.9	14.9	73	5.2	29.4	38000	<	13900	34	40.1	13300	730	0.8	8770	7.6	57	666	23	72.9	2310	1	12	1.9	157	<	8.79	2900	0.5	1.66	93	0.8	16.7	89.9	63
A2.189.G	0.34	59700	17.6	2	<	285	0.8	0.3	123000	0.3	140	19.7	46	5.3	36	35900	<	15500	45	38.4	13700	750	0.9	9590	8.2	56	612	27.7	78	880	2.3	10	2.2	499	0.2	11.8	3180	0.5	1.93	89	0.9	21.8	96.6	63
A2.190.G	0.18	69800	18.9	1	<	330	1	0.2	86600	0.3	72.8	16.2	78	5.5	38.6	43700	<	17300	29	38.8	15000	1160	1.6	9030	9	76	813	36.8	80.3	590	2	11	2	215	<	8.7	4130	0.5	1.84	105	0.9	16	102	76
A2.191.G	0.1	74400	15	1	<	372	1.1	0.2	73100	0.2	101	19.4	87	5.7	42.7	43900	<	17700	40	52.2	16400	976	1.1	10500	9.3	82	730	26.6	81	590	0.8	13	1.9	280	<	9.47	4360	0.5	1.73	122	0.9	18.6	105	83
A2.192.G	0.18	81100	14.2	<	<	364	1.4	0.2	51400	0.3	131	20.4	73	6.6	43	44300	<	13300	51	55.7	15500	1070	0.9	10200	9.4	73	772	36	106	360	0.6	15	2.1	214	<	11.5	4500	0.5	1.75	121	0.9	21.2	123	87
A2.193.G	0.12	62000	15.2	1	<	312	1	0.2	77200	0.2	200	18.9	60	5.7	38	37600	<	11400	72	46.2	13000	829	0.9	9130	8.4	64	685	26.7	76.5	350	0.7	10	1.8	251	<	12.5	3620	0.5	1.68	102	0.8	18.3	103	63
A2.194.G	0.11	58100	14.1	<	<	304	0.9	0.2	100000	0.2	237	19.3	54	5.6	38.6	36000	<	10800	86	44	13900	853	1	8550	8.1	62	637	25.9	70.8	430	0.8	10	1.8	322	<	12.7	3450	0.5	1.7	96	0.9	19.6	95.8	62
A2.195.G	0.12	59800	10.9	<	<	262	0.9	0.2	106000	0.3	92.4	14.4	45	6.1	32.2	31900	<	11100	31	38	11300	637	0.7	8160	7.4	48	684	23.4	94	460	0.8	10	1.8	301	<	8.95	3080	0.5	1.61	87	0.8	17.5	93.4	60
A2.196.G	0.2	67000	13.8	1	<	296	1.5	0.2	112000	0.3	79	14.9	71	5.8	30.8	37000	<	15500	26	33.7	11900	764	1.1	6860	7.5	56	874	18.2	99	2640	0.9	12	2.3	158	<	8.6	2780	0.5	1.75	90	0.9	17.7	87.3	65
A2.197.G	0.1	66000	9.1	<	<	267	1.5	0.2	103000	0.2	120	14.6	61	5.6	24.9	35200	<	15500	43	36.6	10600	693	0.6	8100	6.6	43	602	14.6	92.1	2450	0.6	12	1.9	149	<	9.91	2320	0.4	1.47	86	0.8	17.9	86.1	59
A2.198.G	0.12	93000	13.2	<	<	429	2.6	0.2	14500	0.3	115	20.3	97	7.2	36.5	52900	<	22600	44	60.3	17600	1080	1	11200	9.9	71	727	23	103	270	0.7	18	2.4	97	<	10.7	3600	0.5	1.75	135	1.2	21.4	131	70
A2.199.G	0.12	82000	8.5	<	<	337	1.8	0.2	85000	0.2	88.2	14.3	74	6.5	26.9	41300	<	19000	34	53.5	14300	725	0.6	10000	7.3	45	770	13.7	103	2350	0.5	15	1.9	133	<	9.17	2800	0.5	1.5	108	0.8	18.9	103	70
A2.200.G	0.15	74200	11.3	1	<	319	1.7	0.2	90700	0.3	111	15.9	74	5.7	28.4	39400	<	16900	55	47.3	13600	712	0.8	8960	7.3	55	646	20.3	87.8	2340	0.6	14	1.7	146	<	9.99	2990	0.4	1.59	100	0.9	18	104	73

جدول (۲-۲): نتایج آنالیز نمونه های ژئوشیمیایی برداشت شده (ادامه)

Sample No.	Ag	Al	As	Au	B	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs	Cu	Fe	Hg	K	La	Li	Mg	Mn	Mo	Na	Nb	Ni	P	Pb	Rb	S	Sb	Sc	Sn	Sr	Te	Th	Ti	Tl	U	V	W	Y	Zn	Zr
A2.201.G	0.12	77100	10.6	<	<	326	1.8	0.2	96100	0.2	155	17.3	70	6.1	28.6	41300	<	15900	66	49.4	12100	810	0.7	9160	7.1	52	655	20.2	82	2410	0.7	14	1.9	148	<	10.6	2520	0.5	1.49	102	0.9	18.8	113	61
A2.202.G	0.14	78500	10.7	<	<	321	1.8	0.2	70800	0.2	133	16.7	68	6.2	28.5	41900	<	15200	47	49.8	13100	803	0.7	10000	7.7	51	674	20.5	91.7	1710	0.7	14	2	135	<	10.4	2870	0.5	1.61	100	0.9	18.4	123	67
A2.203.G	0.17	79800	11.3	<	<	326	1.8	0.2	82600	0.3	101	15.3	60	6.4	27.3	41500	<	14100	39	52.6	13300	670	0.7	9650	7.5	47	636	20.7	93.1	2010	0.6	14	2	127	<	9.36	2890	0.5	1.47	106	0.9	18	102	67
A2.204.G	0.1	55000	19.4	2	<	315	1.2	0.2	126000	0.4	80.3	16.1	73	4.6	27.9	33800	<	13100	30	28.8	13300	821	1.3	6020	7.3	66	514	26.8	70.6	3100	1.5	11	1.6	150	<	7.72	3180	0.4	1.7	82	0.8	16.1	74.7	67
A2.205.G	0.32	74300	10.5	3	<	334	1.8	0.2	90000	0.2	72.3	14.8	68	6.9	31.9	36100	<	18600	29	32.8	9630	765	0.7	6160	7.7	48	698	15.9	116	2200	0.9	13	2.2	122	<	9.03	2520	0.5	1.62	98	0.9	16.7	69.1	59
A2.206.G	0.17	88600	13.2	1	<	374	2.1	0.3	45300	0.2	139	19.3	84	6.6	32.6	48300	<	16200	52	58.5	15000	902	0.9	10700	9.4	61	679	24.3	106	1140	0.6	16	2.3	108	<	11.1	3040	0.5	1.59	118	1.1	18.7	126	66
A2.207.G	0.16	61200	12.8	1	<	310	1.3	0.2	120000	0.3	156	16.6	70	4.7	26.1	35600	<	14400	58	37.1	14600	758	1	7970	7.4	60	578	17	76.6	3160	0.9	11	1.6	229	<	10.2	2760	0.4	1.67	88	0.8	18.1	76.5	58
A2.208.G	0.12	82800	13.8	1	<	353	1.9	0.3	61100	0.2	168	19.5	79	6.1	33	44900	<	17300	76	51.3	13600	823	0.7	10200	8.7	59	693	21.1	90	1770	0.9	15	2.2	103	<	10.8	3220	0.4	1.55	110	1.2	17.7	112	68
A2.209.G	0.18	80200	10.9	<	<	360	1.9	0.2	63700	0.2	127	17.2	77	6	31.2	42400	<	18300	50	51	14000	728	0.8	9890	7.7	55	731	19.6	90.6	2070	0.7	14	1.9	109	<	10.1	3360	0.4	1.59	106	0.9	17.3	110	82
A2.210.G	0.41	80200	14.4	<	<	369	2.1	0.3	29400	0.2	144	22.9	93	6.5	38	49800	<	19100	48	50.5	15900	981	0.8	11200	10.1	69	674	22.8	108	900	0.7	16	2.3	104	<	10.5	4180	0.5	1.59	122	1	20.1	120	62
A2.211.G	0.17	84800	16.4	1	<	387	2.4	0.3	12300	0.2	103	23.4	95	6.3	40	49900	<	19500	39	51.2	16000	1070	0.9	10400	10	74	823	24.7	94.2	680	0.7	16	2.2	97	<	9.07	3930	0.5	1.64	123	1.1	20.3	137	68
A2.212.G	0.15	87300	14.7	1	<	384	2.2	0.3	24300	0.2	134	23.4	97	5.9	38.1	50500	<	19200	53	51.4	16200	1030	1.1	11200	10.1	75	700	24.2	94	900	0.7	17	2.2	112	<	10.1	4140	0.5	1.61	124	1.1	19	116	65
A2.213.G	0.15	86000	14.7	4	<	372	2.1	0.2	24300	0.2	127	22.5	97	6	37.8	49800	<	18800	51	50	15900	1000	1.1	11000	10.3	72	679	22.6	104	920	0.9	16	2.2	108	<	9.92	4230	0.4	1.64	122	1.2	19.2	121	65
A2.214.G	0.21	83000	23.7	<	<	355	1.9	0.3	47900	0.3	166	26.6	88	7.6	32.4	46400	<	17300	46	51	16500	833	1.4	9150	13.7	68	687	19.7	120	1440	1.2	16	3	113	<	15.2	3760	0.7	2.23	115	1.7	27.9	162	75
A2.215.G	0.1	62500	9.3	2	<	284	1.4	0.2	83900	0.2	108	15.7	60	5	31.7	34500	<	14900	41	39.9	11400	704	0.7	7090	6	46	1360	17	88.1	2720	1	11	1.7	228	<	8.6	2370	0.4	1.28	84	0.9	13.9	104	55
A2.216.G	0.11	79000	16.6	1	<	385	2	0.2	28400	0.4	105	20.9	92	6.3	34.3	46200	<	18000	32	47.5	16200	1000	1.2	9470	10.2	76	868	23.2	107	1120	0.9	15	2.2	94	<	10.2	3790	0.5	1.69	115	1.1	20.7	121	71
A2.217.G	0.13	90300	19.1	1	<	399	2.7	0.4	9570	0.3	142	27.8	96	7.8	46	54900	<	19700	47	59.2	15900	1320	1.1	9820	10.3	81	641	29.9	114	650	1	17	2.5	101	<	11.2	3380	0.5	1.76	131	1.3	20.3	154	66
A2.218.G	0.13	84500	15.9	1	<	397	2.2	0.3	21500	0.3	100	23.5	95	6.7	38.6	48600	<	18900	38	51.5	15500	1130	0.9	8740	9.8	78	862	25.8	109	1010	0.8	16	2.4	99	<	9.79	3710	0.5	1.62	120	1.1	18.9	124	69
A2.219.G	0.19	81600	14.2	<	<	368	2.2	0.3	20500	0.3	119	21.5	92	6.7	37.2	45600	<	16700	45	49	14400	1100	1.1	8610	9.2	75	792	25.4	106	1190	0.9	16	2.3	104	<	10.5	3680	0.5	1.68	114	1.2	18.9	121	67
A2.220.G	0.16	87000	20	2	<	428	2.5	0.3	16500	0.3	136	29	103	7	41.7	53500	<	16200	55	53.3	15700	1420	1.3	8990	10.6	93	615	30.7	109	780	1	17	2.2	110	<	11.1	4080	0.5	1.78	128	1.3	20.3	134	71
A2.221.G	0.2	86100	14.8	1	<	479	2.2	0.3	11400	0.2	93.3	24	148	8.5	35.5	55000	0.06	20000	54	64.4	16900	1300	1.2	11700	15.8	87	841	37	114	460	0.9	18	3	129	<	10.1	5020	0.6	1.76	151	2	16.3	148	86
A2.222.G	0.15	56500	11.3	1	<	271	1	0.2	191000	0.3	56.4	13.7	72	5	17.6	32400	0.12	11300	31	32.8	15200	786	0.7	6790	10.6	52	500	26.7	62.9	1280	0.8	10	1.6	438	<	7.39	2900	0.4	1.46	76	1.6	15.3	70.4	61
A2.223.G	0.22	54100	14.6	<	<	325	1.1	0.3	165000	0.3	93.1	16.4	82	4.8	24.7	35300	0.11	11800	51	29.2	13900	943	0.9	6920	11.3	64	573	31.6	65.7	1120	1	11	1.9	400	<	8.49	3020	0.3	1.51	87	1.4	15.4	74.4	68
A2.224.G	0.1	53400	10.1	1	<	266	1	0.2	144000	0.3	60.4	13.8	72	5.4	18.1	30300	0.18	11100	28	30.1	13600	696	0.9	6920	11.3	51	588	24.5	71.5	1080	0.8	10	1.7	357	<	7.81	2740	0.4	1.58	77	1.3	15.9	81	62
A2.225.G	0.14	62500	13.2	1	<	337	1.2	0.2	118000	0.3	71.3	16.2	105	6.2	23.2	36200	0.08	13700	35	32.8	15700	834	1.1	7340	13.9	71	631	28.3	82.2	860	0.9	12	2	281	<	8.75	3360	0.4	1.75	95	1.7	16.4	91.2	78
A2.226.G	0.19	58200	14.4	2	<	359	1.2	0.3	123000	0.3	57.4	14.5	75	6.9	22	31900	0.1	13200	27	31.8	13100	739	0.9	7620	11.6	51	868	36.1	85.9	950	0.9	11	2.1	303	<	8.48	2810	0.4	1.67	84	1.5	16.4	88.1	70
A2.227.G	0.14	51000	13.7	2	<	392	1	0.3	147000	0.3	64.5	14.8	70	5.3	21.9	31800	0.06	11700	30	23.1	11900	792	0.8	5960	9.9	55	744	53.1	72.3	1120	1.1	9	2	341	<	7.9	2410	0.4	1.6	74	1.5	15.8	92	60
A2.228.G	0.11	60000	10.3	1	<	282	1.1	0.2	135000	0.3	63.6	14.9	68	6.3	21.7	32600	0.07	12800	31	34.1	13500	779	0.8	7960	11.3	50	697	26.3	83.1	1050	0.9	11	1.9	354	<	8.45	2800	0.4	1.6	85	1.6	16.6	79.5	67
A2.229.G	0.11	71600	8.4	4	<	311	1.3	0.3	81900	0.2	98.9	16.4	82	7.9	18	37600	0.12	15500	45	44.5	14900	756	0.7	9560	12.6	47	754	25.2	109	650	0.7	13	2.6	259	<	11.2	3090	0.5	1.68	97	1.9	17.7	101	74
A2.230.G	0.13	63000	11.7	4	<	281	1.1	0.2	88100	0.3	71.8	14.6	79	6.8	20	34600	0.17	13200	32	36.7	13900	752	0.9	7400	12.6	53	758	26.5	89.4	720	0.9	12	2.1	232	<	9.22	3000	0.5	1.78	87	1.5	16.4	98.9	68
A2.231.G	0.14	71900	15.8	2	<	367	1.6	0.2	8080	0.2	90.5	17.6	115	7.4	27.1	39000	0.08	15300	43	35.9	13300	893	1.1	7830	15.9	73	601	28.9	98.9	180	1.4	14	2.5	96	<	11.5	4100	0.5	1.96	106	1.7	16	107	75
A2.232.G	0.21	74300	15.8	21	<	369	1.6	0.3	17200	0.3	89.4	18.1	101	7.3	31.2	40900	0.07	15600	44	39.8	13900	894	1.1	7700	17.4	77	726	30.6	100	280	1	14	2.7	110	<	11.3	4260	0.6	1.81	117	2.2	15.5	114	81
A2.233.G	0.17	68000	8.9	2	<	297	1.3	0.3	103000	0.2	73.4	14.6	60	7.6	21.6	34500	0.14	14500	35	36.3	12700	697	0.8	8810	11.1	48	834	25.7	101	830	0.7	13	2	341	<	9.17	2930	0.4	1.56	92	1.5	16.2	102	72
A2.234.G	0.17	59100	9	<	<	256	1.2	0.4	126000	0.1	110	16.4	44	6.8	21.6	34200	0.1	13000	52	34.4	10800	641	0.6	8760	9.2	40	679	26.5	93.8	960	0.9	11	2.1	395	<	9.87	2430	0.4	1.46	77	1.4	16.5	87.3	59
A2.235.G	0.19	76700	9.9	5	<	329	1.4	0.3	66600	0.3	75	15.5	89	7.1	27.5	38700	0.09	13900	36	44.1	17400	810	1	10300	13.9	64	1190	39.9	97.7	860	0.8	14	2.8	226	<	9.48	3540	0.5	1.71	111	1.9	18.4	138	81
A2.236.G	0.08	74700	8.6	2	<	312	1.3	0.3	88600	0.4	67.4	13.8	73	6.8	28	36600	0.08	14000	32	44.5	15500	768	0.8	10500	11.5	54	957	34	99.4	820	0.6	13	2.3	254	<	9.22	3120	0.4	1.65	105	1.5	17.9	123	74
A2.237.G	0.26	71200	7.2	<	<	298	1.3	0.2	91900	0.2	67.3	13.4	73	7	20.3	35500	0.08	13700	33	43.9	15200	697	0.6	9990	11	45	904	25.7	96	790	0.5	13	2.4	274	<	8.75	3060	0.4	1.44	98	1.5	16.8	111	70
A2.238.G	0.22	79000	8.3	1	<	337	1.4	0.2	73000	0.1	94.9	16	92	7.6	20.9	38600	0.08	14300	45	55	15100	757	0.7	11000	12.6	52	741	25.1	104	560	0.5	15	2.4	207	<	11.2	3470	0.4	1.68	110	1.7	17.8	118	80
A2.239.G	0.08	78900	8.9	<	<	333	1.4	0.3	66800	0.2	88	16.3	88	8	25.9	38600	0.13	14800	41	50.2	14900	846	0.8	10800	13.6	55	783	29.6	106	580	0.8	15	2.6	200	<	10.2	3590	0.5	1.64	110	2	18.4	122	84
A2.240.G	0.07	70400	7.8	5	<	301	1.2	0.2	97400	0.2	92.3	14.4	68	6.5	21.6	36300	<	13200	45	46.8	14800	771	0.7	11300	11.1	46	747	24.2	93.3	690	0.5	13	2.2	310	<	10.2	3060	0.4	1.47	96	1.3	17.6	98.7	73
A2.241.G	0.13	69900	7.9	1	<	280	1.2	0.2	103000	0.1	110	13.9	65	6.7	19.6	34500	0.16	13000	52	46.2	14100	699	0.6	10500	10.4	42	678	24.1	93.3	720	0.5	12	2.2	285	<	10.6	2900	0.4	1.46	98	1.4	17.7	101	73
A2.242.G	0.15	66300	8.1	2	<	266	1.2	0.2	116000	0.2	67.1	12.7	54	6.9	21.1	32500	0.11	12900	31	43.9	13000	602	0.4	8450	10.2	41	598	18.8	97	950	0.5	12	2.2	307	<	8.64	2700	0.4	1.44	92	1.6	16.9	89	67
A2.243.G	0.03	67700	8.3	2	<	280	1.2	0.2	101000	0.2	105	16.2	60	8	23.5	34100	0.08	13400	48	42.8	10800	743	0.7	7840	10.8	51	888	32.2	98.7	760	0.8	12	2.5	267	<	10.2	2840	0.4	1.57	94	1.5	17.4	111	63
A2.244.G	0.06	68300	9.7	<	<	286	1.2	0.3	98700	0.3	127	15.3	56	7.3	20.7	36000	0.06	13800	59	44	10800	801	0.7	10000	10.1	43	786	24.9	100	740	0.7	12	2.4	302	<	11.2	2770	0.4	1.48	90	1.6	17.2	101	64
A2.245.G	0.08	74300	8.2	1	<	315	1.4	0.3	94000	0.1	178	16.2	65	7.1	22	39800	0.07	14200	88	53.9	12100	727	0.5	10300	10.2	44	748	27.2	101	720	0.4	13	2.7	256	<	12.8	3010	0.4	1.53	103	1.6	16.9	107	66
A2.246.G	0.13	86900	12.4	<	<	408	1.7	1.4	33500	0.2	158	22.3	107	8.3	31.7	49400	0.17	15700	84	60.2	15900	1000	1	11500	15.2	75	775	32.7	101	380	0.8	16	2.6	158	<	12.3	4370	0.4	1.67	131	2.1	18.5	138	86
A2.247.G	0.11	79200	13.9	<	<	401	1.5	0.4	69500	0.2	96	21.4	118	7.3	26.4	43000	0.12	13800	47	51.1	16900	1160	0.8	9310	15.9	79	732	31.8	97.8	590	0.9	16	2.3	208	<	10.5	4020	0.4	1.75	119	2	20.8	112	93
A2.248.G	0.05	83600	11.5	<	<	381	1.5	0.3	73000	0.2	113	18.2	112	7.4	27.8	43700	0.07	14700	60	53.1	17400	957	0.9	10200	14	72	819	26.9	100	650	0.8	16	2.4	230	<	11.1	3970	0.4	1.68	120	1.8	17.9	115	91
A2.249.G	0.3	84100	9.5	7	<	359	1.5	0.3	89200	0.1	152	16.5	82	7.6	25.2	43800	<	14600	84	57.5	14700	912	0.7	11400	11.9	60	801	26.2	102	770	0.5	16	2.2	231	<	11.7	3690	0.4	1.55	118	1.8	18.5	109	83
A2.250.G	0.08	85400	8.5	1	<	380	1.6	0.3	61700	0.2	68.7	15.5	76	7.6	26	43700	0.13	15200	37	58.5	16200	872	0.7	11800	13.9	57	958	26.8	101	540	0.5	16	2.5	212	<	9.43	4050	0.5	1.56	121	2	17.3	119	83

جدول (۲-۲): نتایج آنالیز نمونه های ژئوشیمیایی برداشت شده (ادامه)

Sample No.	Ag	Al	As	Au	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs	Cu	Fe	Hg	K	La	Li	Mg	Mn	Mo	Na	Nb	Ni	P	Pb	Rb	S	Sb	Sc	Sn	Sr	Te	Th	Ti	Tl	U	V	W	Y	Zn	Zr
A2.251.G	0.15	81000	9.5	< 1	< 364	1.5	0.2	85600	0.2	66.3	14.8	77	7.8	24.2	42100	0.08	15800	36	52.6	15800	850	0.8	10500	12.5	55	895	26.2	101	710	0.5	15	2.4	262	< 10	9.17	3710	0.5	1.53	116	1.8	17	108	80
A2.252.G	0.2	91800	11.4	< 1	< 434	1.9	0.3	45700	0.2	154	21.1	94	7.8	33.8	50700	0.05	16000	86	62.7	16300	1200	0.9	11500	14.2	76	750	29.3	107	470	0.7	18	2.5	167	< 9.16	12.7	4440	0.5	1.66	139	1.9	19.6	129	94
A2.253.G	0.1	77500	8.5	< 1	< 339	1.5	0.3	72100	0.2	71.2	15.8	84	7.6	25.6	40500	0.11	14000	36	49.7	16300	879	0.7	10500	13.2	58	892	26.8	104	860	0.7	15	2.1	239	< 9.16	13.7	3670	0.6	1.68	110	1.9	19.1	119	78
A2.254.G	0.16	84000	11.6	< 1	< 384	1.7	0.4	74400	0.3	210	21.8	76	7.7	29.8	47700	0.09	14900	114	58.7	14700	1100	0.7	11000	12.8	65	772	38.5	104	600	0.8	16	2.2	202	< 13.7	3910	0.4	1.6	121	1.7	18.3	121	79
A2.255.G	0.16	86500	13.5	< 1	< 538	1.6	0.3	38000	0.5	156	21.4	120	7.6	35.8	48800	0.09	15600	85	53	16900	1190	1.2	11200	16.2	84	889	46.5	106	430	1.2	17	2.7	185	< 13.2	4540	0.5	1.81	132	2.3	20.3	181	92
A2.256.G	0.03	90300	12.7	< 8	< 446	1.7	0.3	22100	0.3	121	21	128	7.8	35.4	49300	0.18	15100	65	58.6	15300	1080	1	11100	15.3	81	834	41.7	107	360	1	18	2.4	142	< 11.8	4380	0.5	1.7	132	1.8	19.5	136	87
A2.257.G	0.16	82200	13	< 1	< 711	1.7	0.4	49500	0.4	164	23.4	94	7.7	28.9	48400	0.13	14400	86	56.8	12900	1050	0.8	10600	14.1	74	830	62.7	106	620	1.6	17	2.7	186	< 13.1	4060	0.5	1.63	125	1.8	19.3	188	84
A2.258.G	0.21	86400	13.2	< 1	< 557	1.7	0.3	60800	0.4	122	20.5	120	7.2	31.9	48300	<	15000	69	56.5	17600	1170	1	10900	15.5	84	850	43.1	98.6	600	1.3	17	2.4	217	< 11.6	4440	0.4	1.77	134	2.2	19.8	151	95
A2.259.G	0.14	88400	10.3	< 1	< 493	1.7	0.3	58100	0.4	96.2	17.2	90	7.8	29.3	47200	0.13	15700	53	60.3	15800	1000	0.8	12200	14.5	65	915	37.4	108	570	1.1	17	2.5	225	< 10.5	4330	0.5	1.65	132	2.1	18.6	152	88
A2.260.G	0.19	95100	12	< 1	< 536	1.8	0.4	68300	0.3	234	23.6	90	7.5	38.2	54200	0.11	16000	135	67.3	16300	1270	0.6	12700	13.6	79	855	45.2	110	570	1.2	18	2.4	232	< 15	4510	0.5	1.66	142	1.8	19.2	158	95
A2.261.G	0.13	89100	10.9	< 1	< 422	1.7	0.3	24100	0.2	117	19	93	7.8	30.9	47700	0.07	14900	59	62.1	17000	963	0.7	12600	15.4	67	1040	34.1	112	350	0.9	16	2.6	150	< 11.6	4270	0.4	1.73	131	2.2	18.8	149	86
A2.262.G	0.13	88600	13.9	< 1	< 574	1.7	0.4	55400	0.4	261	25.5	87	7.9	34.9	51300	0.08	14600	138	59.9	14900	1230	1	11600	14.5	80	842	51.7	111	590	1.3	16	2.4	212	< 16.2	4280	0.5	1.85	130	1.9	20.1	167	86
A2.263.G	0.05	81600	10	< 1	< 415	1.4	0.2	110000	0.3	55.7	17.2	76	5.9	23.8	45600	0.14	13000	31	41.4	17000	796	1.1	14400	20	65	761	49.3	79.1	940	0.8	16	2.3	342	< 7.28	6120	0.4	1.72	129	1.6	15.7	107	91
A2.264.G	0.13	97900	10.8	< 2	< 588	1.6	0.2	60900	0.4	64.5	17.3	91	5	32	56200	0.07	17800	39	40.8	18400	1110	1.6	26100	29	71	1760	34.2	80.8	510	0.6	17	2.7	318	< 6.88	7390	0.4	1.46	135	1.7	18	153	95
A2.265.G	0.36	79200	14.4	< 2	< 270	1.7	0.2	114000	0.2	76.9	15.3	85	5.5	19.7	40500	0.11	16900	32	49.5	16600	575	1.3	6220	7.9	51	707	24.6	87.5	960	0.8	16	2.2	207	< 8.67	3070	0.4	2.22	117	0.8	17.2	128	62
A2.266.G	0.38	81100	15.1	< 1	< 305	2	0.4	81300	0.3	90	19.9	76	5.6	27.1	43800	0.09	18600	38	48.1	14800	839	1	7390	10.9	60	744	37.5	91.8	860	0.8	16	2.5	156	< 8.73	3790	0.5	1.6	134	0.9	18.9	147	62
A2.267.G	0.48	90100	23.1	< 1	< 397	2.2	0.2	51800	0.3	86.5	19.2	108	5.7	28.1	48400	0.06	20500	38	47.2	19400	701	1.3	8980	14.7	78	851	35.2	92.5	510	0.8	18	2.4	167	< 8.93	4590	0.5	1.56	148	0.9	21.4	132	70
A2.268.G	0.41	85200	17	< 3	< 365	2.1	0.1	82300	0.3	96.4	17.8	93	5.3	30.4	45500	0.07	19500	43	47	17100	752	1.2	8790	11.6	69	1160	79	82.3	830	0.9	16	2.6	200	< 8.91	4130	0.5	1.53	149	0.8	19.6	150	61
A2.269.G	0.39	95000	22.3	< 2	< 355	2.3	0.4	92200	0.2	189	24.3	88	6.1	32.4	50800	0.08	21000	89	54.3	18000	897	1.1	7610	11.7	66	747	38.8	107	660	0.9	19	2.4	194	< 11.9	4510	0.5	1.68	150	0.8	22.3	124	68
A2.270.G	0.43	85000	16.5	< 2	< 348	2	0.2	84200	0.3	68.4	16.6	98	5.6	23.7	44200	0.06	19200	30	51	17400	746	1	7770	10.1	65	922	35	84.9	830	0.7	16	2.3	229	< 8.37	3710	0.5	1.52	133	0.8	18.6	136	62
A2.271.G	0.3	84800	16.2	< 1	< 265	2	0.2	119000	0.2	92.4	16.3	85	5.9	22	42300	0.06	17200	40	53.9	16300	626	0.8	5600	7.4	57	677	28.9	88.7	920	0.6	16	2.1	198	< 9.38	3120	0.4	1.65	124	0.7	17.8	107	60
A2.272.G	0.38	73300	16.1	< 4	< 289	1.8	0.3	158000	0.4	170	16.5	64	5.3	23.1	37500	0.11	15400	73	47.5	14000	661	1	5580	6.8	47	768	36.7	87.1	1570	0.7	14	2.4	280	< 11	2770	0.4	1.76	112	0.6	18.7	165	52
A2.273.G	0.35	74700	17.4	< 2	< 270	1.7	0.1	111000	0.2	172	18.6	68	5.8	20.5	39300	0.06	15100	71	49.3	15300	609	1.1	5390	7.3	52	559	29.2	90.3	790	0.7	15	1.8	246	< 11.5	2820	0.4	1.88	114	0.7	19.1	93.9	54
A2.274.G	0.36	73400	12.3	< 1	< 233	1.6	0.1	107000	0.2	53.3	13	62	5.6	13.2	35900	0.11	15300	21	50.4	13600	515	1.4	5770	8	43	529	21.5	92.6	830	0.8	14	1.9	235	1	8.47	2780	0.5	1.83	104	1.7	17.7	88	58
A2.275.G	0.49	77400	14.2	< 1	< 285	2.2	0.2	74500	0.2	115	18	79	6.5	21.1	42700	0.15	17900	48	59.2	13900	844	1.2	6580	8.6	54	603	27.2	80.1	800	0.7	14	2.2	152	0.5	9.72	3200	0.5	1.59	126	1.4	18.7	112	60
A2.276.G	0.71	94500	15.1	< 1	< 341	2.6	0.2	42300	0.2	80.5	19.3	93	7.1	21.5	48200	<	19500	34	61.6	17600	971	1.3	7240	9.9	73	582	27.3	110	330	0.7	19	2.5	143	0.3	10.3	4160	0.6	1.85	137	1	20.8	121	79
A2.277.G	0.45	94300	16.3	< 1	< 368	3	0.3	34100	0.2	172	21.7	84	6.9	28.1	51500	<	21300	83	68	16400	1090	1	8470	8.6	69	783	37.3	103	250	0.7	18	2.4	99	0.3	12.5	4090	0.6	1.62	150	1	19.3	124	71
A2.278.G	0.47	97700	16.8	< 4	< 377	3.2	0.3	49000	0.2	176	22.9	98	7.4	29.5	51900	0.05	21300	87	71.4	16500	1260	1.2	8160	8.6	75	830	40.7	105	390	0.7	20	2.5	134	0.3	12.7	4200	0.6	1.71	163	1.2	20	130	77
A2.279.G	0.36	79200	17.1	< 3	< 317	2	0.2	145000	0.2	54.8	15.4	79	5.9	21.3	40500	0.1	17800	25	49	19500	743	1.3	5750	8.8	79	740	27.9	85.8	1150	0.7	16	2	346	< 7.97	3410	0.5	1.72	126	1	17.6	85.5	66
A2.280.G	0.39	81500	14.5	< 2	< 347	2.3	0.2	64300	0.2	61	15.9	99	5.6	21.6	45500	0.05	18600	28	60.9	15700	765	0.9	8220	8.3	60	929	36	65.3	480	0.7	15	2.4	144	< 7.99	3810	0.5	1.4	143	1	16.5	121	65
A2.281.G	0.4	86600	16.8	< 3	< 393	2.3	0.2	116000	0.6	97.5	16.4	108	5.6	49.8	47000	0.06	18100	48	58	17600	803	1.4	7680	7.2	70	798	71.5	84.2	960	1.2	17	3.3	244	< 9.33	3390	0.5	1.69	133	1	18.1	189	63
A2.282.G	0.43	97500	15.2	< 1	< 399	3	0.2	50300	0.2	104	18.2	104	6.7	32.8	51100	0.06	21100	53	68.9	17000	912	0.8	8350	7.5	73	918	42.1	111	470	0.5	22	2.5	127	< 9.61	3910	0.6	1.5	166	0.8	17.5	142	70
A2.283.G	0.46	99300	19.3	< 2	< 420	3.4	0.4	11200	0.2	87.2	22.4	119	6.8	36.4	54900	<	21100	43	66.7	19000	1290	1.2	10100	10.9	89	980	44.8	98.1	160	0.9	20	2.6	122	< 10	5150	0.6	1.91	169	1	19.9	148	86
A2.284.G	0.38	80500	9.5	< 1	< 315	2.2	0.4	116000	0.2	91.4	14.1	71	6	19.1	42100	<	18400	41	64.8	15900	664	0.7	9280	7	45	891	26.6	73.8	670	0.5	15	2	249	< 9.17	3220	0.5	1.46	135	0.8	20	105	64
A2.285.G	0.48	97700	15.5	< 1	< 442	3.3	0.4	10300	0.2	95.3	21	117	6.6	37.2	57200	<	22500	47	75.6	18800	1070	1	9010	9.7	80	894	37.9	94.7	160	0.7	18	2.5	114	< 9.48	4750	0.6	1.59	181	0.9	17.4	145	79
A2.286.G	0.62	95600	15	< 2	< 387	2.7	0.4	55700	0.3	96.7	17.9	106	6.2	30.9	49300	<	20300	48	64.5	18500	919	1	9110	8.8	73	1040	49.6	93.3	520	0.8	19	2.5	134	< 9.76	4170	0.5	1.51	158	0.9	18.2	143	74
A2.287.G	0.37	72900	12.1	< 1	< 319	2	0.3	172000	0.2	99.9	15.8	71	5.2	24.3	38900	0.06	16600	48	48.6	16600	843	0.9	7120	6.8	60	777	36.6	73.3	990	0.7	14	1.8	331	< 9.11	3030	0.4	1.44	116	0.7	19.9	83.2	59
A2.288.G	0.36	89800	13.6	< 3	< 348	2.4	0.4	131000	0.2	123	18.2	88	6.1	31.5	46700	0.08	19500	60	62.3	15600	963	1.1	9090	8.3	64	952	34.1	89.7	900	0.7	17	2.2	215	< 10.6	3920	0.5	1.62	134	0.8	22.5	113	75
A2.289.G	0.36	75000	14.9	< 1	< 365	2.2	0.3	99400	0.3	164	17.5	93	4.9	26.6	43000	0.05	16800	83	51.8	15100	913	1	8840	8.1	70	907	40.9	56.9	680	0.8	14	2	223	< 10.9	3790	0.4	1.48	130	0.8	19.7	104	66
A2.290.G	0.33	93500	14.5	< 1	< 360	2.8	0.4	72800	0.2	138	19.8	96	6.5	29.3	47700	0.06	20100	71	65.8	17700	1020	0.8	8940	8	66	1060	38	93.1	800	0.6	19	2.3	175	< 10.9	3880	0.5	1.55	147	0.8	23	126	69
A2.291.G	1.44	77100	12.6	< 1	< 331	2.2	0.3	93900	0.2	88.8	16.2	88	5.2	24.7	37400	<	15500	39	49.2	14400	765	0.9	8550	7.6	62	838	32.4	87.8	740	0.6	17	1.9	204	< 9.29	3180	0.4	1.52	123	0.6	20.5	103	64
A2.292.G	0.85	89400	12.1	< 1	< 324	2.5	0.3	93800	0.2	120	16.5	88	6.1	26.4	44200	<	19100	58	61.5	15800	768	0.8	8710	7.6	58	898	31.6	97.1	680	0.5	18	2.2	204	< 10.3	3520	0.5	1.49	131	0.8	21.6	109	66
A2.293.G	0.4	85700	12.8	< 1	< 316	2.2	0.4	144000	1.9	173	16.1	81	5.6	41.1	41700	0.06	24400	84	59.1	19700	843	1.6	8750	5.6	52	9300	138	99.4	4410	0.7	17	1.6	292	< 12.3	3250	0.4	1.6	119	0.8	23.8	200	74
A2.294.G	0.41	91400	13.8	< 1	< 333	2.5	0.3	96700	0.2	128	16.6	80	6.2	26.8	45500	0.06	19500	64	63.8	16000	788	0.8	9250	8	55	891	31.7	99.3	700	0.6	18	2.2	211	< 11.4	3790	0.5	1.57	134	0.9	22.9	111	74
A2.295.G	0.36	82600	16	< 1	< 371	2.3	0.3	89100	0.3	140	18.2	103	5.4	25.8	43600	0.07	17500	69	54.3	16000	919	1.2	9160	9	69	887	36.5	78.6	630	0.9	16	2.1	218	< 11	3990	0.4	1.63	131	0.9	21.5	107	71
A2.296.G	0.45	84100	16.6	< 2	< 374	2.4	0.3	85400	0.3	141	18.5	101	5.5	26.5	43300	0.08	17500	69	53.9	16100	916	1.1	9010	8.6	69	905	36.3	85.1	620	0.7	18	2.1	214	< 11	3870	0.5	1.63	130	0.7	21.6	109	72
A2.297.G	0.55	81300	16.2	< 1	< 377	2.4	0.3	99600	0.3	155	18.8	101	5.3	26.3	44800	0.06	17700	80	55.6	16100	963	1.2	9420	9	71	926	37.6	68.1	630	0.9	16	2.1	235	< 11.2	4110	0.5	1.62	135	0.9	21.4	108	72
A2.298.G	0.38	85500	17	< 1	< 370	2.6	0.2	78500	0.3	106	18.5	108	5.7	29.6	47400	0.08	18900	54	58.7	18200	962	1.3	8880	9.3	79	947	36.3	76.3	600	0.8	17	2.1	201	< 9.57	4230	0.5	1.62	142	0.9	21	113	76
A2.299.G	0.39	87700	12.9	< 1	< 348	2.5	0.2	132000	0.2	125	17.4	90	5.7	33.1	45700	0.06	18600	66	62.4	15100	943	1	9230	7.9	64	938	38.5	85	870	1	17	2.2	218	< 10.3	3890	0.4	1.5	134	0.8	21.1	111	72
A2.300.G	0.32	86300	13.7	< 1	< 327	2.4	0.3	121000	0.2	120	17.2	87	5.6	26.1	44100	0.06	17800	62	60.4	14600	906	1	8900	7.7	59	913	35.7	88.9	830	0.7	18	1.9	205	< 10.3	3650	0.4	1.47	127	0.7	20.9	111	67

جدول (۲–۲): نتایج آنالیز نمونه های ژئوشیمیایی برداشت شده (ادامه)

Sample No.	Ag	Al	As	Au	B	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs	Cu	Fe	Hg	K	La	Li	Mg	Mn	Mo	Na	Nb	Ni	P	Pb	Rb	S	Sb	Sc	Sn	Sr	Te	Th	Ti	Tl	U	V	W	Y	Zn	Zr
A2.301.G	0.13	79500	8.1	1	<	317	1	0.3	106000	0.2	136	16.8	79	6.3	3.3	39400	<	17400	81	49	16100	826	0.4	9610	7.3	51	650	18.7	86.6	680	0.6	14	2.1	316	<	12.7	3560	0.5	1.5	100	0.9	19.1	85.4	74
A2.302.G	0.14	75100	8.1	2	<	305	1	0.3	102000	0.2	134	16.2	74	6.1	7	37300	<	16400	79	46.2	15200	791	0.6	9010	7.2	51	622	17.1	83	700	0.6	13	2.1	299	<	12.4	3440	0.4	1.45	97	0.8	18.6	90.1	67
A2.303.G	0.16	84000	9	1	<	362	1.3	0.3	54000	0.2	104	19.5	97	7.6	15.7	44400	0.05	18500	61	54.5	18000	881	0.5	10300	8.4	60	766	20.5	89.7	480	0.6	15	2.3	190	<	11.4	3950	0.5	1.44	115	0.9	19.3	117	72
A2.304.G	0.1	73800	8.3	1	<	343	1	0.2	88300	0.2	82.4	17	83	5.8	8	37700	<	16800	46	44.1	14900	913	0.6	10500	7.7	60	688	11.9	70.2	600	0.7	12	2	263	<	9.88	3630	0.4	1.48	99	0.8	16.7	91.3	67
A2.305.G	0.17	84800	9.7	2	<	373	1.5	0.3	36300	0.3	90.9	21.8	94	8.2	19.8	45000	<	20200	52	56.3	18400	1110	0.5	9800	9.1	65	819	17.4	99.9	630	0.6	16	2.6	171	<	11	4310	0.5	1.65	123	0.9	21.2	127	84
A2.306.G	0.14	86100	12.8	1	<	383	1.4	0.3	52200	0.2	101	21.1	106	7.2	24.8	46300	0.05	18500	59	53	18000	897	0.8	10700	9	71	760	16.5	88.1	520	0.7	15	2.4	202	<	11.4	4220	0.5	1.55	120	0.9	18.9	128	76
A2.307.G	0.12	81400	8.1	2	<	339	1.2	0.3	70600	0.2	107	16.9	87	6.9	13.4	41800	<	18800	63	50.8	15400	792	0.5	9790	7.6	53	692	18.6	83.4	530	0.6	14	2.5	225	<	11	3750	0.5	1.43	109	0.7	17.7	103	71
A2.308.G	0.17	81300	9.7	2	<	420	1.6	0.3	13200	0.3	94	21.3	106	7.5	26	46000	<	20400	53	58.1	16900	1060	0.7	9990	10	69	805	12.7	98.4	310	0.7	16	2.6	130	<	10.9	4620	0.5	1.59	127	0.9	21.4	143	81
A2.309.G	0.24	87200	10.2	1	<	379	1.5	0.3	38900	0.2	94.5	20.4	99	7.9	18.4	45400	<	19000	55	55.7	18200	913	0.6	10300	8.9	65	746	21.6	97.2	380	0.6	16	2.5	158	<	11.2	4130	0.5	1.49	122	0.8	18.8	128	75
A2.310.G	0.07	86500	7.4	1	<	364	1.2	0.3	73800	0.2	111	18	97	7.3	12.2	39300	0.05	18100	65	53.4	16100	868	0.6	9490	8	57	694	12.6	96.3	410	0.6	15	2.4	213	<	11.7	3870	0.5	1.48	111	0.8	18.7	112	86
A2.311.G	0.14	83700	6.9	2	<	335	1.1	0.2	85400	0.2	132	16	101	6.5	20.6	39700	<	17700	81	51.6	16800	781	0.9	10300	7.1	60	699	7.6	86.7	530	0.6	14	2.1	289	<	12.3	3510	0.4	1.44	103	0.7	17.5	99.9	68
A2.312.G	0.11	82900	9.5	2	<	353	1.2	0.4	86600	0.2	267	21.5	72	6.8	20.7	45300	0.05	18100	118	53.9	16000	892	0.7	9380	7.2	58	691	9.2	86.4	570	0.9	14	2.2	283	<	13.6	3620	0.4	1.48	108	0.7	18.1	112	63
A2.313.G	0.18	74900	6.3	3	<	344	1	0.3	88600	0.5	85	13.3	84	5.6	4500	35000	0.05	15500	46	44.6	16500	631	0.7	9690	7.3	47	731	914	76.1	680	0.6	13	3.3	386	<	9.53	3470	0.4	1.5	96	0.7	15.6	119	65
A2.314.G	0.15	73000	8.3	<	<	396	1.1	0.2	86400	0.3	81.5	16.2	85	6.3	24.4	37900	<	17000	44	46.1	16700	831	0.6	8810	8.2	56	670	19.3	68.9	500	0.7	12	2.3	229	<	9.3	3770	0.4	1.42	103	0.8	17.8	107	69
A2.315.G	0.09	78700	7.3	2	<	382	1.2	0.3	73400	0.1	137	20.7	73	6.7	19.3	41900	<	17800	79	54.7	14800	964	0.5	10100	7.3	49	684	22.1	72.1	460	0.6	12	2.2	209	<	11.9	3620	0.5	1.35	105	0.8	18.3	112	64
A2.316.G	0.3	69500	5.8	1	<	278	0.9	0.2	116000	0.2	127	14.5	57	5.6	17.4	33200	<	14500	72	44	14100	610	0.5	6550	6.8	45	666	4.2	78.2	760	0.5	12	2	298	<	11.1	3190	0.4	1.36	88	0.6	16.8	87.7	67
A2.317.G	0.07	74000	6.7	1	<	303	1	0.2	86300	0.2	45.5	12.3	74	5.8	11.1	36700	<	16500	25	46.9	15900	565	0.2	9550	7.4	45	675	11.5	66.8	610	0.5	12	2	240	<	7.88	3430	0.4	1.29	99	0.7	15.6	86.6	65
A2.318.G	0.07	71400	7.2	3	<	318	1	0.2	96100	0.2	109	15.4	67	6	6.8	36800	<	16500	62	50	14700	686	0.4	8380	7	47	638	8.3	74.3	580	0.4	12	2.1	266	<	10.3	3280	0.4	1.31	101	0.7	16.4	92.8	61
A2.319.G	0.09	78900	6.7	<	<	312	1	0.2	88000	0.2	122	15.8	71	7.5	7.3	37800	0.05	16200	71	49.2	15900	759	0.4	10200	6.7	43	714	20.5	85.1	690	0.5	13	2	388	<	11.4	3280	0.4	1.37	96	0.6	16.6	97.3	66
A2.320.G	0.43	89600	9.2	2	<	361	1.3	0.3	61100	0.2	98	19.8	121	7.5	22.7	45200	0.05	18700	54	55.1	16700	810	0.8	10100	8.1	66	677	17.9	101	420	0.8	16	2.3	216	<	11.1	3870	0.5	1.5	116	0.8	18.3	116	78
A2.321.G	0.09	86300	7.3	2	<	366	1.3	0.2	56100	0.2	78.6	18	81	7.3	15.2	41700	<	18700	43	57.1	15900	841	0.3	9780	7.4	51	608	19	92.8	400	0.7	15	2.3	189	<	9.52	3570	0.5	1.24	115	0.7	16.2	117	65
A2.322.G	0.08	80500	7.5	<	<	357	1.2	0.3	63700	0.2	138	19.4	103	6.5	17.2	42400	0.08	17900	83	55.3	15700	946	0.6	10200	7.3	58	681	21.6	69.6	410	0.5	12	2.3	216	<	11.7	3610	0.5	1.25	110	0.8	17.2	115	61
A2.323.G	0.14	79100	7.4	<	<	364	1.3	0.3	62500	0.2	140	19.9	75	6.7	19.1	42700	0.06	18600	84	56.6	15500	955	0.5	9910	7.4	53	668	14.2	62.9	390	0.5	12	2.3	204	<	11.7	3710	0.5	1.29	113	0.7	17.6	117	67
A2.324.G	0.09	81600	6.2	2	<	379	1.1	0.2	72800	0.1	106	16.8	70	6.6	10.1	40000	0.06	17400	61	56.9	14600	740	0.2	10300	7.1	43	575	15.9	82	390	0.3	13	2.1	245	<	11.1	3570	0.4	1.27	106	0.7	16.1	101	64
A2.325.G	0.06	70900	4.9	2	<	274	0.9	0.2	107000	0.1	78.4	11.3	58	5.9	4.6	33500	0.1	15800	41	47.9	13600	504	0.2	9380	6.6	33	516	<	73.3	710	0.4	11	2.6	404	<	8.91	3220	0.4	1.27	91	0.7	14.5	81.1	58
A2.326.G	0.08	87200	7.2	1	<	383	1.4	0.2	25700	0.2	70.5	17.1	95	7.1	19.6	41800	0.06	19500	38	52.8	16000	870	0.6	10700	9.1	55	659	13.9	97.1	310	0.5	15	2.4	144	<	9.59	4370	0.5	1.4	119	0.9	17.8	125	79
A2.327.G	0.07	85500	8.3	2	<	404	1.5	0.3	19600	0.2	73.4	20.3	101	7.3	31.6	45800	0.08	20200	40	55.4	16700	1020	0.6	11100	9.1	67	712	12.6	96.4	300	0.6	15	2.5	139	<	9.64	4470	0.5	1.41	124	0.9	18	139	75
A2.328.G	0.1	88100	8.2	<	<	379	1.3	0.3	62000	0.2	97.4	18.5	86	6.7	15.3	42500	<	18600	56	55.4	17400	909	0.5	10800	8.5	57	720	12.6	98.1	430	0.6	16	2.5	250	<	10.8	4040	0.5	1.4	116	0.8	19.5	116	80
A2.329.G	0.08	80500	7.6	6	<	319	1	0.2	84100	0.2	72.1	16.1	227	6	29.8	38600	<	16400	40	47.2	16700	674	1.4	9610	7.2	95	714	10.5	83.8	640	0.9	14	2.9	310	<	9.15	3590	0.4	1.34	101	0.8	15.6	105	73
A2.330.G	0.07	81900	7.8	<	<	337	1.1	0.2	63500	0.2	113	15.2	87	5.7	14.5	38900	0.07	16600	68	47.8	15900	755	0.4	11900	8.4	50	839	8.8	78	420	0.6	14	2.1	237	<	11	4060	0.4	1.34	105	0.9	17.8	101	70
A2.331.G	0.08	81600	9	1	<	363	1.2	0.3	59900	0.2	126	18.8	95	6.2	19.7	41100	0.05	17000	78	52.4	15400	890	0.5	9770	8	55	698	11.8	73	430	0.5	13	2.3	199	<	11.4	3880	0.4	1.29	111	0.8	18.1	111	65
A2.332.G	0.05	76000	7.5	2	<	339	1.1	0.2	72800	0.2	91.4	18.7	90	5.9	14.3	39500	<	16300	52	47.6	16300	754	0.3	9740	8.3	57	616	8.1	65.2	460	0.5	13	2.1	235	<	9.13	4040	0.4	1.34	107	0.7	16.4	95.7	67
A2.333.G	0.1	81500	7.1	2	<	340	1.2	0.2	71200	0.2	88	16.6	80	6.7	16	39700	0.07	17200	50	50.4	15300	802	0.4	9250	8.2	53	577	12.8	77.9	470	0.5	14	2.3	211	<	9.71	3860	0.4	1.32	109	0.8	17.8	100	71
A2.334.G	0.1	90400	9.6	2	<	380	1.4	0.2	47100	0.2	93	18.1	96	7.1	23.6	42100	0.1	17800	54	54.3	15600	844	0.6	10100	8.7	58	691	9.9	91	370	0.6	16	2.6	156	<	10.7	4300	0.5	1.41	119	0.9	19.4	118	81
A2.335.G	0.1	83200	10.6	2	<	368	1.2	0.3	73500	0.2	82.5	20.3	90	7	15.9	42600	0.06	17800	47	51.3	15800	890	0.5	8250	8.7	59	496	14.4	79.8	490	0.6	15	2.2	271	<	9.35	4180	0.4	1.49	116	0.9	16.4	101	74
A2.336.G	0.1	79600	7.8	1	<	314	1.1	0.2	80800	0.1	79.5	17.5	63	6.5	12.9	39200	0.06	17000	44	49.8	14000	730	0.3	9740	7.7	48	587	15.6	77.8	480	0.6	13	2.1	239	<	9.2	3850	0.4	1.29	106	0.8	15.1	94.2	67
A2.337.G	0.13	70500	7.4	3	<	274	0.8	0.2	96400	0.2	53.8	20.8	138	5.4	11.9	41300	<	12500	29	43.2	23300	689	0.5	10400	9.3	70	583	10.5	53.1	630	0.6	13	1.9	402	<	6.4	4600	0.3	1.16	97	0.7	15	81.1	63
A2.338.G	0.08	78700	11.6	1	<	422	1.7	0.3	21600	0.2	83.6	24.3	124	7	34	49000	0.05	21000	48	56.7	18100	1240	0.8	9760	10	81	756	16.4	103	320	0.7	17	2.6	129	<	10.3	4890	0.5	1.37	132	1	21.5	137	76
A2.339.G	0.1	81700	10.3	2	<	425	1.7	0.3	8860	0.2	87.8	27.2	113	6.8	37.1	49300	0.05	18500	50	60.8	18200	1240	0.7	11600	11.4	77	699	20.2	96.1	200	0.7	16	2.5	133	<	9.39	5180	0.5	1.37	133	0.9	16.5	141	74
A2.340.G	0.08	76100	9.4	2	<	359	1.4	0.2	26500	0.3	76.4	22.2	106	6.1	30.1	41300	0.06	18000	44	44.6	16500	985	0.9	8020	9.6	75	930	24.8	89.8	960	0.7	15	2.4	172	<	9.04	4470	0.5	1.56	112	1	17	120	75
A2.341.G	0.07	80000	11.6	4	<	380	1.3	0.2	47100	0.3	69.2	20	108	6.4	23.4	42700	<	18700	39	45.4	17100	977	0.8	7970	10	72	699	15.2	86.8	610	0.8	15	2.3	181	<	8.95	4420	0.5	1.38	116	1	17.6	108	79
A2.342.G	0.07	90300	8.9	1	<	414	1.6	0.2	17600	0.2	68	20.6	124	6.8	28.7	49700	0.06	20500	39	54.6	20300	980	0.5	10300	10.6	73	753	8.8	95.8	310	0.6	17	2.5	138	<	9.34	5250	0.5	1.35	134	1	21.5	125	83
A2.343.G	0.06	84400	9.7	2	<	428	1.7	0.3	12600	0.2	81.8	23.4	114	7.2	34.5	48200	0.07	19900	46	56.4	16400	1170	0.7	9680	10.3	74	597	24.3	102	210	0.7	16	2.5	135	<	9.96	4910	0.5	1.45	132	0.9	17.8	138	80
A2.344.G	0.05	86700	9.3	3	<	396	1.5	0.3	27300	0.2	74.9	20.5	109	6.8	30	46600	<	19900	43	53.2	18500	1110	0.6	11000	10.2	73	707	26.5	95.7	340	0.7	16	2.5	152	<	9.46	4990	0.5	1.39	123	1	19.9	127	81
A2.345.G	0.58	80200	15.2	2	<	427	2	0.5	11800	0.2	88.9	22.3	127	5.3	53.3	46300	<	20700	40	52.3	16500	1100	1.1	10700	9	82	662	46.6	108	270	0.7	16	2.4	131	<	10.5	4060	0.6	1.86	126	1.8	18.3	124	69
A2.346.G	0.31	79200	8.6	<	<	304	1.6	0.4	72900	0.1	82.7	18.5	92	7.3	24.1	40000	<	19700	38	45.5	14800	761	0.7	10400	4.6	51	821	23.8	108	560	0.5	14	2.5	257	<	9.81	2980	0.5	1.35	105	1.2	16.5	99.6	74
A2.347.G	0.48	70200	8.1	<	<	255	1.3	0.3	56700	0.1	77.9	26.3	193	4.5	37.8	45800	0.06	14300	36	46.8	26800	794	0.8	8870	8.6	107	793	0.5	80.5	580	0.6	14	2.2	243	<	7.69	4780	0.4	1.31	99	2	16.2	93.7	73
A2.348.G	0.47	74000	9.9	24	<	312	1.4	0.3	64600	0.2	81.7	19.9	160	4.7	33.5	42800	0.06	18600	37	43.3	19300	860	1.1	9560	8.7	85	955	16.1	96.4	660	0.6	14	2.3	275	<	8.98	4500	0.4	1.42	105	1.4	17.5	93.4	75
A2.349.G	0.5	76300	7.9	1	<	299	1.5	0.3	78000	0.1	75.7	15.8	95	6.5	29.3	39100	0.09	20000	34	44.7	14900	724	0.6	9090	5.7	48	894	17.7	106	590	0.4	14	2.4	269	<	9.13	3320	0.4	1.32	102	1.2	16.1	95.8	70
A2.350.G	0.67	73100	12.5	<	<	327	1.4	0.5	85300	0.3	106	20.1	91	6.3	24.4	37400	0.07	17300	38	49.9	14900	605	1	9010	8.3	50	515	10.7	121	900	0.7	14	2.5	315	<	12.6	3520	0.6	2.43	105	1.7	17.4	124	81

جدول (۲-۲): نتایج آنالیز نمونه های ژئوشیمیایی برداشت شده (ادامه)

Sample No.	Ag	Al	As	Au	B	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs	Cu	Fe	Hg	K	La	Li	Mg	Mn	Mo	Na	Nb	Ni	P	Pb	Rb	S	Sb	Sc	Sn	Sr	Te	Th	Ti	Tl	U	V	W	Y	Zn	Zr
A2.351.G	0.48	63900	9.6	11	<	294	1.3	0.3	100000	0.2	57.1	14.9	89	5.4	18.5	33000	0.07	17700	25	39.8	16200	664	0.8	7320	7.3	57	584	24.6	97.9	770	0.5	12	2.2	347	<	8.24	3400	0.5	1.69	92	1.3	14.4	78.4	78
A2.352.G	0.68	51900	14.1	3	<	309	0.9	0.3	129000	0.2	57.5	12.3	86	4.4	15.1	28500	<	15300	25	25.7	12100	623	1.4	5870	6.8	54	674	34	82.8	790	0.7	10	1.8	232	<	7.79	2980	0.4	1.73	77	1.1	13.5	83.7	67
A2.353.G	0.42	70300	8	<	<	287	1.3	0.4	107000	0.1	137	16	79	5	23	36600	0.06	18600	65	48.4	11800	702	0.6	10600	5	45	623	16.5	104	660	0.5	12	1.9	364	<	12.1	2900	0.5	1.48	95	1.2	17.5	88.6	76
A2.354.G	0.42	67000	7.3	<	<	278	1.3	0.4	107000	0.1	112	14.9	60	5	14.4	35100	0.07	17900	51	45	12400	671	0.6	10200	5.9	44	612	13.3	105	680	0.5	12	1.9	363	<	11	3140	0.4	1.5	92	1.4	17.1	81.4	80
A2.355.G	0.42	58500	8.9	1	<	255	1.1	0.3	127000	0.2	77.9	14.2	85	4.7	22.3	31200	0.06	18100	35	26.6	11500	723	0.9	6140	6.1	50	519	4.1	98.9	760	0.6	11	1.6	397	<	8.77	3060	0.4	1.66	83	1.1	14.5	57.2	73
A2.356.G	0.48	60600	14.5	2	<	312	1.2	0.4	95400	0.3	63.8	16.4	112	4.9	35.9	33500	<	17400	27	29.1	12700	859	1.2	6110	7.9	70	624	35.5	95.6	710	0.9	12	1.9	277	<	8.46	3550	0.5	1.61	90	1.5	15.5	79.2	80
A2.357.G	0.47	66300	9	<	<	270	1.2	0.4	122000	0.2	82.1	15.4	83	5.4	28.8	34300	<	18000	35	41.9	12900	662	0.7	9140	5.3	47	602	31.6	109	790	0.6	12	2.1	384	<	9.63	3010	0.5	1.5	92	1.1	16.6	92.5	77
A2.358.G	0.41	67500	14.1	1	<	353	1.3	0.3	99000	0.2	69	17.1	113	5.1	24.4	38000	0.07	18700	30	35.4	17800	799	1	6840	9.1	77	622	14.2	93.9	600	0.8	10	1.6	304	<	8.89	3880	0.5	1.8	99	1.5	16.3	79	79
A2.359.G	0.38	52600	13.3	1	<	288	1	0.3	112000	0.2	64.9	15.5	93	4.1	26.5	32100	<	14000	28	26.8	13900	722	0.9	4250	7.5	67	421	28.1	79	630	0.8	10	1.6	273	<	7.92	3190	0.4	1.49	81	1.2	14.7	65.2	67
A2.360.G	0.47	70800	15	1	<	377	1.5	0.4	68200	0.3	78.6	18.4	122	5.4	35.6	40800	0.05	19500	31	35.4	17600	945	1.2	6890	10.1	85	627	20.8	105	440	0.9	14	2.1	232	<	9.82	4320	0.5	1.8	105	1.6	16.9	92.7	85
A2.361.G	0.42	61000	9.7	1	<	277	1	0.3	120000	0.2	87.8	14.5	84	4.5	18.6	33300	0.05	16100	39	36.6	13200	669	0.9	7750	5.4	52	535	18.9	91.8	990	0.6	11	1.6	337	<	9.11	2720	0.4	1.4	87	1.1	14.4	74.1	63
A2.362.G	0.46	62600	28.5	<	<	318	1.2	0.6	103000	0.3	79.4	18	98	4.8	84.2	37300	0.05	17600	34	29.5	13100	953	1.1	6570	7.8	64	612	36.4	95.6	670	1.1	12	2.1	300	<	9.06	3600	0.5	1.57	93	1.4	15.8	84.6	74
A2.363.G	0.39	62400	6.8	6	<	246	1.2	0.4	116000	0.1	113	14.4	74	4.9	23.6	32100	0.06	16100	47	41.6	11800	595	0.5	8750	4.4	36	554	9.7	104	820	0.4	11	1.8	394	<	11	2490	0.5	1.35	83	1	16	87.3	64
A2.364.G	0.22	40200	6.6	6	<	184	0.7	0.2	77500	0.1	45.7	8.5	57	2.7	15.1	22000	<	7220	21	25.2	9730	379	0.5	5000	3.7	31	453	12.4	42	1860	0.4	7	2	294	<	5.29	1950	0.2	1.02	58	0.8	9	73.2	47
A2.365.G	0.43	73400	9.3	2	<	306	1.4	0.4	93500	0.2	96.8	16.7	92	5.3	23.3	38400	0.05	18600	44	46.5	14600	681	0.7	8730	6.2	53	609	21.9	109	630	0.5	13	2	218	<	10	3510	0.5	1.52	102	1.3	15.2	92.9	83
A2.366.G	0.39	65500	8.2	1	<	281	1.2	0.3	111000	0.2	77	14.4	81	5	20.9	33100	0.06	17600	35	34.8	11800	744	0.7	8780	5.2	46	560	15.3	102	680	0.5	12	1.7	342	<	8.98	2990	0.4	1.35	88	1.1	16	75.6	74
A2.367.G	0.41	57600	13.7	<	<	318	1.2	0.4	93900	0.3	75.9	16.8	105	4.4	34.6	34600	0.07	15500	29	29.7	14800	772	1.4	5300	8.6	72	547	37.8	85.3	570	0.8	11	1.8	244	<	8.21	3690	0.7	1.62	91	1.5	15.2	85.7	81
A2.368.G	0.39	64800	12.8	1	<	322	1.3	0.3	80000	0.2	60	15.9	111	4.8	27.1	35800	0.07	18100	27	30.6	16400	893	1.2	6410	9.2	73	676	27.1	93.5	590	0.9	12	2	219	<	8.21	4040	0.5	1.71	95	1.5	18	83.3	85
A2.369.G	0.43	78000	12.2	1	<	405	2.1	0.5	10100	0.2	93.7	21.7	125	5.8	44.8	44300	<	20400	42	51	15900	1020	1.1	9750	8.9	81	702	25.3	112	230	0.7	16	2.4	132	<	9.87	3860	0.6	1.58	123	1.5	19.5	137	72
A2.370.G	0.35	80900	8	1	<	315	1.6	0.5	53800	0.2	93.4	17.6	97	5	28.1	41800	<	19900	43	50.3	14100	768	0.7	12000	5.6	56	734	20.5	110	460	0.5	14	2	195	<	9.74	3560	0.4	1.32	103	1.2	17	108	85
A2.371.G	0.41	82300	9.8	<	<	342	1.8	0.4	51200	0.1	72.3	17.1	107	7.9	35.4	42000	0.07	20900	33	54.6	15500	782	0.8	9340	7.9	61	665	26.3	115	420	0.6	16	2.2	181	<	9.87	4260	0.5	1.5	113	1.5	18.2	111	95
A2.372.G	0.42	80000	8.2	<	<	339	1.7	0.4	49100	0.2	88.7	17.2	99	6.2	27	41400	0.09	20500	41	52.3	14300	786	0.6	10400	7	53	783	23.4	118	390	0.5	15	2.1	186	<	10.2	3890	0.5	1.4	112	1.5	16.4	108	83
A2.373.G	0.38	84900	9.2	<	<	377	1.8	0.4	27500	0.2	78.4	16.9	107	5.4	39	43700	<	21100	37	52.1	16700	980	0.9	10700	7.7	63	1090	27	121	490	0.6	16	2.2	153	<	9.75	4050	0.5	1.41	119	1.5	17.4	129	79
A2.374.G	0.44	69200	8.2	<	<	301	1.4	0.4	80200	0.2	122	15.7	69	4.7	26.7	37000	0.06	17300	60	45	13000	700	0.6	10400	6	48	627	14.2	98.8	630	0.5	12	1.8	241	<	10.5	3330	0.4	1.29	95	1.1	16	101	70
A2.375.G	0.35	73800	6.7	1	<	308	1.5	0.3	77400	0.1	73.2	13.7	94	5.5	22.3	37100	0.08	19800	34	48.4	15100	647	0.6	9370	5.5	44	615	22.3	114	560	0.4	14	2	245	<	9.11	3040	0.5	1.29	104	1.2	15.8	93.8	71
A2.376.G	0.34	81200	7.2	<	<	319	1.6	0.4	70500	0.1	125	16	88	5.6	29.8	39000	0.06	19500	60	52.3	14500	732	0.7	11000	5.5	46	748	17.4	114	540	0.5	14	2.1	216	<	11.3	3280	0.5	1.37	104	1.3	16.3	103	73
A2.377.G	0.38	72600	7	1	<	289	1.3	0.3	103000	0.1	66	13.4	84	4.8	16.6	36100	0.07	17600	30	51.5	14400	613	0.7	11300	4.3	40	600	16.8	103	750	0.4	12	1.8	364	<	8.94	2870	0.4	1.22	96	1	14.6	91.3	72
A2.378.G	0.35	78600	8.2	<	<	341	1.5	0.4	62300	0.2	137	17.8	92	5.6	26	40400	0.08	19400	65	53.2	14400	781	0.7	10900	5.8	49	729	16.7	114	520	0.6	14	2.1	224	<	12	3620	0.5	1.4	107	1.2	17.3	147	86
A2.379.G	0.37	82800	8.1	<	<	336	1.7	0.3	58500	0.1	104	16.6	96	6.7	30.2	39700	0.09	20900	49	54.7	14600	729	0.7	10900	5.7	45	713	12.2	123	680	0.5	15	2.2	190	<	10.9	3690	0.5	1.52	110	1.3	18	105	89
A2.380.G	0.29	70300	9.4	<	<	325	1.5	0.5	83700	0.2	195	20.2	85	5.1	31.2	39000	0.06	18000	100	49	13200	872	0.6	9740	5.2	51	632	21.4	105	520	0.6	13	1.8	221	<	13.8	3400	0.4	1.35	100	1.2	17.8	108	81
A2.381.G	0.32	74300	6.8	9	<	300	1.4	0.3	75300	0.1	78.2	13.7	86	5.6	28.1	35800	0.06	19600	36	47.7	13600	651	0.5	9640	5.6	43	579	9.9	116	520	0.5	14	2	220	<	9.1	3150	0.5	1.23	100	1.2	16.1	96.8	74
A2.382.G	0.31	73300	7.9	<	<	309	1.5	0.3	72800	0.2	94.3	15.2	91	5.5	27.5	36800	0.07	19300	43	47.4	14900	773	0.6	9160	5.7	47	658	21.5	116	510	0.4	14	2	240	<	9.86	3120	0.5	1.25	102	1.2	17.1	98.4	71
A2.383.G	1.22	77000	7.9	4	<	316	1.5	0.7	58800	0.2	110	19.2	93	6	47.5	39200	<	18700	49	50.6	14300	765	1	10800	9.5	50	692	25.1	76.5	430	0.7	13	2	195	<	11.5	3120	0.5	1.58	103	2.3	20.2	112	69
A2.384.G	0.94	86800	9.6	<	<	393	1.9	0.5	20400	0.2	104	20.1	110	5.4	48.8	44100	<	20800	52	53.2	16300	965	0.9	11600	9.3	69	855	16.3	70.8	340	0.7	16	2	145	<	10.5	3660	0.5	1.5	122	1.6	18.8	118	64
A2.385.G	0.34	84100	11.4	6	<	394	2	0.4	19100	0.2	88.9	20.5	113	6.1	46.2	44700	0.06	21100	41	56.5	16200	968	0.8	10800	6.9	67	826	26.4	121	260	0.6	16	2.2	155	<	10.2	3350	0.5	1.3	126	1.4	15.6	134	63
A2.386.G	0.41	93000	11.4	1	<	388	1.9	0.4	38100	0.2	117	19.7	113	6.1	41	45600	<	20900	58	55.5	16300	968	1	10800	6.9	69	636	27.5	121	360	0.7	16	2.7	178	<	11.4	4010	0.5	1.35	126	1.4	18.9	125	86
A2.387.G	0.36	89300	10.2	<	<	403	2.1	0.4	9730	0.2	83.5	20.9	115	6.1	40.5	45800	<	20900	38	54.1	16600	1020	0.9	10600	8.1	71	729	23.4	126	220	0.6	17	2.4	119	<	10.5	3830	0.6	1.48	127	1.5	17.8	134	75
A2.388.G	0.51	81200	8.8	<	<	333	1.6	0.3	50600	0.1	130	14.7	97	5	26.7	40300	0.09	18300	53	50.4	15300	654	0.8	11200	7.1	53	697	18.3	105	400	0.5	14	2.1	188	<	10.9	3850	0.5	1.3	108	1.5	17.3	103	82
A2.389.G	0.41	86600	12.3	<	<	413	1.5	0.2	44100	0.2	132	18.7	105	6.4	29.6	40200	0.12	19000	63	56.8	16000	810	0.7	9870	6.3	63	674	19.2	71.5	400	0.8	16	2.3	161	<	11	3750	0.6	1.32	115	0.8	20.5	109	74
A2.390.G	0.38	84200	10.8	<	<	409	1.4	0.2	43700	0.2	81.3	16	102	5.8	29.5	37000	0.08	18900	37	53	16400	739	0.7	12400	6.6	61	964	22	65.7	360	0.7	15	2.1	176	<	9.28	3770	0.5	1.33	107	0.8	20.2	104	75
A2.391.G	0.08	89100	14	<	<	441	1.7	0.3	32400	0.2	105	22.9	114	6.2	32.2	43000	<	21600	49	58.7	16400	1030	0.9	10800	7.4	75	661	30.4	71.9	420	0.9	17	2.5	172	<	10.7	4170	0.6	1.51	122	0.9	21.7	120	88
A2.392.G	0.08	75000	6.1	2	<	315	1.1	0.1	91300	0.1	59.2	12.5	82	5.8	15.4	31800	<	19100	27	50.4	14100	506	0.4	11800	4.6	39	807	15.3	65.7	610	0.5	12	2	232	<	8.76	3150	0.5	1.33	95	0.7	16.8	87.8	71
A2.393.G	0.34	71000	8.8	4	<	299	1	0.2	103000	0.5	92.5	16.1	101	4.8	19.9	34900	0.09	16100	42	43.4	16300	623	0.7	9890	5.9	56	791	20.8	54.4	840	0.7	12	2.3	310	<	8.36	3700	0.4	1.24	90	0.6	16.7	103	59
A2.394.G	0.27	81100	9.9	2	<	389	1.3	0.2	78300	0.2	113	17.1	100	6.1	26.4	37300	0.12	17100	53	54	16000	674	0.7	10500	5.4	58	786	13.7	63.8	590	0.9	15	2.4	276	<	10.4	3120	0.5	1.36	106	0.7	19.1	114	66
A2.395.G	0.31	76100	9	1	<	357	1.2	0.2	79700	0.2	138	15.9	89	5.5	23	34000	0.16	18400	66	51.5	14800	659	0.6	10300	4.7	50	843	22.5	66.9	640	0.6	14	2.1	278	<	10.9	2970	0.5	1.29	97	0.6	18.3	97.2	66
A2.396.G	0.35	83100	11.1	<	<	386	1.4	0.2	79900	0.2	181	17.4	98	5.9	25.7	38900	0.13	20400	88	54.4	17500	675	0.9	10600	5.7	57	825	26.3	69.6	810	0.7	15	2.1	263	<	12.8	3730	0.5	1.56	106	0.7	20	106	78
A2.397.G	0.3	76100	10.7	37	<	344	1.1	0.2	98800	0.2	96.3	17.2	97	5.4	27.6	36000	0.08	18600	44	48.5	15900	738	0.9	9640	5.6	59	936	24.6	63.8	1210	1.1	14	3	355	<	8.84	3350	0.5	1.36	99	0.7	16.2	121	60
A2.398.G	0.27	86400	10.3	1	<	439	1.5	0.2	65400	0.2	166	20.4	106	6.3	22	40900	0.09	20900	79	54	16900	960	0.7	10800	6.4	66	788	23.2	72.9	490	1	16	2.5	246	<	12.2	3910	0.5	1.41	112	0.7	21.7	114	74
A2.399.G	0.25	85400	8.8	1	<	397	1.5	0.2	62200	0.1	162	19.5	95	6.2	21.6	39300	0.11	20400	76	57.3	15100	870	0.7	11600	5.2	54	645	23.7	73.4	470	0.7	15	2.1	232	<	12	3570	0.5	1.33	109	0.7	19.4	109	76
A2.400.G	0.34	82800	9.2	1	<	381	1.3	0.2	63700	0.2	141	16.5	92	5.6	26.4	37200	0.13	19200	68	53.8	15300	761	0.7	10800	5.3	56	608	19.2	69.5	520	0.7	14	1.9	230	<	11.3	3170	0.5	1.26	104	0.6	18.9	109	62

جدول (۲–۲): نتایج آنالیز نمونه های ژئوشیمیایی برداشت شده (ادامه)

Sample No.	Ag	Al	As	Au	B	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs	Cu	Fe	Hg	K	La	Li	Mg	Mn	Mo	Na	Nb	Ni	P	Pb	Rb	S	Sb	Sc	Sn	Sr	Te	Th	Ti	Tl	U	V	W	Y	Zn	Zr
A2.401.G	0.3	87400	8.6	1	<	413	1.6	0.2	47300	0.2	105	17.7	100	6.6	29.6	39800	0.09	20700	50	59.1	15700	823	0.6	11200	6	55	645	37.9	76.6	400	0.6	16	2.1	188	<	10.6	3870	0.5	1.34	114	0.7	20.7	114	83
A2.402.G	0.31	87500	10.4	1	<	451	1.8	0.2	15100	0.3	83.5	18	114	6.4	34.6	41600	<	23200	39	59.8	17600	871	0.7	12100	7	66	781	31.6	77.8	250	0.7	17	2.4	122	<	9.31	3780	0.6	1.34	123	0.8	19.8	129	67
A2.403.G	0.07	85400	9.2	<	<	407	1.6	0.2	33700	0.2	65	17.5	100	6.5	28.5	37600	0.06	21300	29	57.3	16200	766	0.6	10800	6.6	57	777	25.7	76.6	340	0.7	16	2.3	126	<	9.12	3830	0.5	1.39	114	0.8	19	123	83
A2.404.G	0.39	70800	9.6	1	<	309	1.1	0.2	103000	0.2	76.8	14.5	80	5.7	27.4	31000	0.18	17800	34	44.3	12300	628	0.6	9420	4.6	48	746	26.4	68.2	820	0.7	13	2	334	<	8.54	2870	0.5	1.29	88	0.6	18.8	102	70
A2.405.G	0.26	71600	8.1	1	<	326	1.1	0.2	95700	0.2	74.1	14.1	88	5.8	17	32200	0.05	18500	34	44.3	13800	558	0.6	9810	5	50	674	8.3	68.6	600	0.5	13	1.8	234	<	8.53	3120	0.5	1.27	94	0.6	18.6	87.7	69
A2.406.G	0.26	72100	10.3	<	<	362	1.2	0.2	89900	0.3	99.7	16.1	94	5.6	25.3	34100	0.16	18600	45	46.4	14600	715	0.9	8750	6	58	661	6.6	68.2	610	0.6	14	1.9	226	<	9.36	3320	0.5	1.47	100	0.7	19.1	96.3	69
A2.407.G	0.99	67600	8.1	<	<	293	1	0.2	116000	0.2	70.7	13.2	76	5.4	15.9	31400	0.16	17900	32	41.2	11600	599	0.6	9880	4	43	596	30.6	66.1	710	0.6	12	1.8	336	<	8.26	2620	0.5	1.17	85	0.6	17.7	94.2	62
A2.408.G	0.33	80100	10.1	3	<	362	1.3	0.3	57500	0.2	85.7	17.3	92	5.8	24.7	37200	<	19300	39	49.6	15000	703	0.7	11900	5.9	57	877	21.5	72.2	490	0.8	14	2.2	205	<	9.21	3660	0.5	1.31	104	0.7	19.2	117	73
A2.409.G	0.38	81800	9.5	<	<	370	1.4	0.2	61700	0.2	94.8	18.3	96	6.4	24.5	37700	<	20300	43	53	15200	782	0.6	11100	5.6	56	772	23.7	74.5	560	0.7	15	2.1	207	<	10.2	3480	0.5	1.36	106	0.7	20	123	74
A2.410.G	0.1	86300	11.9	1	<	408	1.6	0.2	38700	0.3	68	19.3	111	7.1	30	40700	0.11	23200	30	54.2	16600	775	0.7	10100	7.1	65	785	23	80.3	450	0.8	17	2.5	170	<	9.4	3750	0.6	1.59	122	0.9	21.6	120	86
A2.411.G	0.43	74200	9.7	<	<	341	1.2	0.2	77400	0.2	103	17.6	91	6	30.2	34600	0.08	19300	47	46.3	14000	767	0.7	9670	5.4	56	848	25.1	71	720	0.7	14	2.1	255	<	9.78	3250	0.5	1.3	99	0.6	19.6	113	71
A2.412.G	0.31	64600	7	<	<	286	0.9	0.2	129000	0.2	53.9	10.7	75	5.2	14.3	27700	0.05	17700	24	45.5	13400	473	0.4	9280	3	32	555	8.7	70.3	750	0.3	12	1.8	453	<	7.12	1920	0.4	1.14	86	0.4	16.2	168	48
A2.413.G	0.32	80500	9.6	1	<	388	1.3	0.2	78100	0.2	94.7	16.3	99	5.9	26.2	38500	<	21300	43	52.8	13800	824	0.6	10300	5.7	59	818	29.6	77.3	510	0.6	15	2.1	228	<	9.96	3090	0.5	1.27	112	0.7	20.4	138	63
A2.414.G	0.33	65600	9.9	<	<	318	1	0.2	132000	0.3	90.9	15.2	84	5.3	26.1	31900	0.14	18100	41	40.9	14100	641	0.7	8320	4.5	53	600	30.5	66.6	820	0.8	12	1.9	460	<	8.73	2510	0.5	1.34	87	0.6	17.3	87.3	55
A2.415.G	0.7	62300	7.3	5	<	338	0.9	0.5	125000	1.3	78	14.2	81	4.6	452	30700	<	17000	38	38.3	12900	655	0.8	9170	6.8	53	976	282	60.9	970	3.1	11	9.2	381	<	8.77	2590	0.4	1.42	84	1.4	18.4	373	53
A2.416.G	0.27	61900	8	<	<	267	0.9	0.4	144000	0.3	138	17.5	64	4.4	28.8	32500	0.16	16900	65	34.8	10300	698	0.6	8420	3.2	55	590	41	58.7	960	1.2	11	1.6	475	<	10.9	2080	0.4	1.16	74	0.4	19.5	96	51
A2.417.G	0.3	66500	10.1	1	<	323	1	0.3	118000	0.3	144	18.2	79	5.1	27.3	33100	0.19	17600	67	43.2	13300	744	0.7	9190	4.6	56	676	27.3	66.9	830	0.7	12	1.9	363	<	10.5	2760	0.4	1.27	89	0.6	20.2	101	65
A2.418.G	0.31	84200	10	2	<	378	1.3	0.2	69800	0.2	82.8	16	97	6	29.4	36900	0.09	21300	37	53.5	16500	696	0.6	11400	6	53	754	18.7	75.8	630	0.6	15	2.1	227	<	9.36	3720	0.5	1.41	107	0.7	19.7	117	83
A2.419.G	0.24	69600	9.6	2	<	319	1.1	0.2	95300	0.2	127	17.3	79	5.2	24.9	33200	0.09	17100	58	45.3	13300	718	0.6	9700	5.3	51	705	28	65.2	660	0.6	13	2	298	<	10.3	3240	0.4	1.33	91	0.7	19.5	100	71
A2.420.G	0.29	59300	8.4	<	<	286	0.9	0.2	77000	0.2	98.2	14.2	74	4.2	17.8	27800	<	14800	46	36.9	12100	607	0.5	8770	4.2	48	526	21.6	54.7	510	0.5	11	1.4	209	<	8.07	2560	0.3	1.06	77	0.5	15.4	77.5	57
A2.421.G	0.59	65200	8.8	<	<	294	1	0.2	117000	0.2	88.9	14.8	76	5.2	20.4	30700	0.11	17900	40	36.9	11600	653	0.5	8880	4.4	47	608	30	66.3	750	0.6	12	1.8	322	<	8.64	2590	0.4	1.16	82	0.6	18.6	83.5	59
A2.422.G	0.36	69200	10.2	<	<	343	1.1	0.2	84500	0.2	99	16.8	87	5.1	28.4	32300	0.11	17100	45	43.9	13800	696	0.7	10100	5.7	58	662	23.9	64.4	950	0.7	13	1.8	251	<	9.29	3240	0.4	1.33	91	0.6	18.4	92.4	71
A2.423.G	0.29	71800	5.7	<	<	318	1.1	0.4	105000	0.2	109	15	80	5.4	28.3	32000	<	18200	53	48.3	14300	715	0.5	10100	6.4	47	628	23.9	69.6	610	0.5	13	1.8	277	<	10.2	2760	0.4	1.38	90	1.4	19.2	79.9	64
A2.424.G	0.38	73800	7.6	<	<	343	1.2	0.2	79600	0.1	115	15.5	80	5.4	24.7	32400	0.12	18300	53	51.4	13700	640	0.5	10200	4.1	42	646	12.3	69.8	570	0.5	13	1.8	243	<	9.98	2810	0.5	1.22	93	0.5	20.9	91.1	69
A2.425.G	0.3	81000	10.8	2	<	406	1.3	0.2	72400	0.5	112	19.6	94	6.5	37.1	35900	0.14	18500	52	53.7	15700	737	1.2	10100	5.3	61	823	37.9	69.6	1020	1	14	2.7	233	<	10.2	3220	0.5	1.38	108	0.9	22.3	187	70
A2.426.G	0.21	70100	7.4	2	<	304	1.1	0.2	107000	0.2	135	17.3	66	5.3	23	33000	<	17900	62	49.1	13000	714	0.5	10400	3.5	41	651	16.1	67.1	660	0.4	12	1.6	270	<	10.1	2450	0.4	1.06	88	0.5	18.6	98.2	54
A2.427.G	0.24	71900	10.3	<	<	350	1.2	0.2	90500	0.2	97.6	17	90	5.1	27.5	34600	0.17	18500	45	45.4	14300	755	0.7	10400	5.2	61	662	28.6	66.5	940	0.7	13	1.8	256	<	8.98	2940	0.5	1.21	94	0.6	18.1	92.6	60
A2.428.G	0.27	70800	9.9	<	<	342	1.2	0.2	81900	0.2	120	16.6	85	5	25.9	33600	0.15	17700	57	45.3	14000	716	0.6	9990	4.8	53	619	22.6	65.2	650	0.6	13	1.7	226	<	9.45	2840	0.4	1.16	92	0.6	17.1	87.5	58
A2.429.G	0.36	69600	9.3	<	<	326	1.1	0.2	87800	0.2	89.5	15.3	84	4.9	24.8	31800	0.08	17200	40	45.7	13700	618	0.6	10400	5.1	49	644	11.6	65.3	570	0.6	13	1.8	244	<	8.67	3140	0.4	1.25	90	0.6	17.4	90.1	71
A2.430.G	0.68	70700	9.9	1	<	348	1.2	0.2	72800	0.2	55.3	15.9	93	5	25.7	32200	0.06	17700	26	44.4	14600	690	0.6	10500	6	58	721	24	65.2	680	0.6	13	1.8	236	<	7.78	3540	0.4	1.38	92	0.7	18.2	89.5	77
A2.431.G	0.24	72200	9.5	<	<	342	1.1	0.2	91300	0.2	127	17.6	81	5	25.3	34100	<	18000	59	50.1	12800	735	0.5	10800	4.7	50	642	21.6	66.5	590	0.7	13	1.7	237	<	10.2	3130	0.4	1.22	93	0.6	17.5	91.7	70
A2.432.G	0.3	74500	11	<	<	370	1.3	0.2	72500	0.2	117	17.8	94	5.6	28.6	34600	0.08	18700	55	48.7	14100	735	0.7	10000	5.8	60	705	32.3	70.5	690	0.7	14	2	211	<	9.69	3360	0.5	1.31	99	0.7	19.2	97	76
A2.433.G	0.41	63000	10.2	<	<	261	1.5	0.2	109000	0.3	78.3	13.7	81	6.3	15.9	36100	<	16700	35	36.2	14600	792	1.3	9330	7.1	48	667	19.2	73.9	620	0.6	10	2.8	259	<	9.01	3020	0.4	1.33	97	1.4	20.6	99.2	59
A2.434.G	0.31	74400	9.3	<	<	298	1.8	0.2	81400	0.2	60.1	14.4	92	8.1	9.8	41900	0.17	21300	28	45.6	15900	731	0.8	10400	8	46	614	18.1	94.6	480	0.4	12	2.8	194	<	9.02	3640	0.5	1.43	112	1.4	19.9	99.4	84
A2.435.G	0.3	62700	9.9	1	<	254	1.4	0.2	106000	0.3	94.1	13.5	66	6.1	14.3	35600	0.31	16900	43	37.7	13800	688	0.9	9180	6.9	45	659	19.4	79.9	660	0.6	11	2.6	268	<	9.57	2960	0.4	1.3	95	1.1	19.6	98.3	66
A2.436.G	0.17	57100	13.5	1	<	322	1.8	0.3	40100	0.3	83.2	19.1	106	7	28.4	39800	<	18000	34	43.5	12400	891	1.2	9850	8.8	60	673	32.9	68.5	300	0.7	9	3.1	152	<	8.34	3560	0.5	1.2	116	1.6	17.3	138	70
A2.437.G	0.32	84800	12.1	1	<	381	2.2	0.3	24500	0.3	76.7	17.3	110	8.5	24.3	45800	0.4	22500	35	50	17400	916	1.4	10600	9.6	68	779	39.2	112	340	0.6	15	3.4	129	<	10.1	4170	0.6	1.52	133	1.5	21.5	141	95
A2.438.G	0.33	68000	7.8	<	<	255	1.4	0.2	121000	0.2	91.5	12.3	67	6.5	9.2	35700	0.38	16800	42	41.8	14400	616	0.9	9800	7	39	532	21.4	84.9	910	0.5	11	2.6	357	<	9.72	3160	0.4	1.39	94	1.3	18.9	87.5	73
A2.439.G	0.32	72300	9.1	<	<	292	1.6	0.2	96000	0.2	144	16.1	70	7.3	13.3	39900	0.35	19500	64	45	14900	795	1	10000	7	43	623	25.8	97.6	650	0.5	12	2.6	249	<	12.1	3290	0.5	1.45	104	1.1	20.8	100	77
A2.440.G	0.04	50900	7.3	15	<	292	1.6	0.2	74300	0.2	52.3	12.5	85	6.7	9.1	38800	0.33	18300	23	44.9	13600	636	0.8	9410	8	39	567	22.3	70.3	410	0.5	8	2.6	242	<	7.08	3410	0.5	1.33	111	1.5	16.6	99.5	75
A2.441.G	0.33	66000	9.8	<	<	278	1.6	0.2	95300	0.3	81.3	14	79	6.9	14	37200	0.16	19400	36	41.7	15800	774	0.9	8600	6.9	49	602	29.3	91	610	0.6	11	2.8	214	<	9	3070	0.5	1.29	102	1.2	20.3	100	62
A2.442.G	0.48	66000	7.2	<	<	260	1.4	0.2	112000	0.1	71.8	13	69	7.2	6.7	35400	0.28	15700	32	43.3	15000	612	0.5	8980	6.1	34	489	8.9	80.4	590	0.3	11	2.5	246	<	8.92	2750	0.5	1.39	98	1.1	20.1	89.2	59

جدول (۲-۳): محاسبه پارامترهای لازم جهت ترسیم دیاگرام خطای آنالیز

Ag						Al					
شماره نمونه اولیه	شماره نمونه تکراری	مقدار اولیه	مقدار تکراری	میانگین ×۱۰۰	اختلاف ×۱۰۰	شماره نمونه اولیه	شماره نمونه تکراری	مقدار اولیه	مقدار تکراری	میانگین /۱۰۰	اختلاف /۱۰۰
A2.310.G	BB53FD	0.07	0.17	12	10	A2.420.G	EA34GH	59300	58500	589	8
A2.440.G	BC48EF	0.04	0.13	8.5	9	A2.430.G	DB45TH	70700	65100	679	56
A2.400.G	BG67FJ	0.34	0.37	35.5	3	A2.118.G	FE46JL	92800	77500	851.5	153
A2.130.G	BM12LM	0.06	0.17	11.5	11	A2.280.G	EI23BG	81500	75700	786	58
A2.360.G	BM89MG	0.47	0.86	66.5	39	A2.360.G	BM89MG	70800	62800	668	80
A2.14.G	CB42YG	0.01	0.16	8.5	15	A2.140.G	KK45ER	84900	76900	809	80
A2.290.G	CC44BR	0.33	0.46	39.5	13	A2.390.G	FF43PM	84200	77100	806.5	71
A2.430.G	DB45TH	0.68	0.36	52	32	A2.300.G	DR32FS	86300	63900	751	224
A2.106.G	DK29JG	0.13	0.38	25.5	25	A2.210.G	SF98HT	80200	79300	797.5	9
A2.300.G	DR32FS	0.32	0.46	39	14	A2.410.G	WW54BI	86300	85300	858	10
A2.112.G	DV38GJ	0.11	0.3	20.5	19	A2.380.G	ZN57BB	70300	71700	710	14
A2.420.G	EA34GH	0.29	0.41	35	12	A2.130.G	BM12LM	62800	60000	614	28
A2.29.G	ED41JT	0.04	0.13	8.5	9	A2.440.G	BC48EF	50900	80000	654.5	291
A2.280.G	EI23BG	0.39	0.73	56	34	A2.136.G	FR23TS	67900	61000	644.5	69
A2.94.G	FD42NV	0.52	0.39	45.5	13	A2.310.G	BB53FD	86500	76000	812.5	105
A2.118.G	FE46JL	0.09	2.96	152.5	287	A2.290.G	CC44BR	93500	70400	819.5	231
A2.390.G	FF43PM	0.38	0.55	46.5	17	A2.106.G	DK29JG	83600	64900	742.5	187
A2.136.G	FR23TS	0.07	0.39	23	32	A2.250.G	ST66EH	85400	68800	771	166
A2.220.G	HH43PJ	0.16	0.41	28.5	25	A2.35.G	ZW52MF	74700	48500	616	262
A2.140.G	KK45ER	0.28	0.61	44.5	33	A2.148.G	RS84TF	72200	71900	720.5	3
A2.260.G	MN47RI	0.19	0.31	25	12	A2.260.G	MN47RI	95100	74100	846	210
A2.148.G	RS84TF	0.06	0.2	13	14	A2.112.G	DV38GJ	77900	59800	688.5	181
A2.370.G	RZ73BN	0.35	0.34	34.5	1	A2.94.G	FD42NV	58600	62600	606	40
A2.210.G	SF98HT	0.41	0.5	45.5	9	A2.370.G	RZ73BN	80900	75100	780	58
A2.250.G	ST66EH	0.08	0.22	15	14	A2.14.G	CB42YG	83700	73000	783.5	107
A2.70.G	TT35DF	0.09	0.15	12	6	A2.29.G	ED41JT	88700	58100	734	306
A2.74.G	VF73KK	0.11	0.2	15.5	9	A2.70.G	TT35DF	66100	41100	536	250
A2.410.G	WW54BI	0.1	0.23	16.5	13	A2.220.G	HH43PJ	87000	79200	831	78
A2.380.G	ZN57BB	0.29	0.44	36.5	15	A2.400.G	BG67FJ	82800	63800	733	190
A2.35.G	ZW52MF	0.02	0.13	7.5	11	A2.74.G	VF73KK	60000	55500	577.5	45

جدول (۲-۳): محاسبه پارامترهای لازم جهت ترسیم دیاگرام خطای آنالیز (ادامه)

Au						As				
شماره نمونه اولیه	شماره نمونه تکراری	مقدار اولیه	مقدار تکراری	میانگین ×۱۰۰	اختلاف ×۱۰۰	شماره نمونه اولیه	شماره نمونه تکراری	مقدار اولیه	مقدار تکراری	میانگین ×۱۰	اختلاف ×۱۰
A2.420.G	EA34GH	0.9	2	145	110	A2.420.G	EA34GH	8.4	11.9	101.5	35
A2.430.G	DB45TH	1	0.9	95	10	A2.430.G	DB45TH	9.9	11.6	107.5	17
A2.118.G	FE46JL	6	0.9	345	510	A2.118.G	FE46JL	16.3	16.2	162.5	1
A2.280.G	EI23BG	2	3	250	100	A2.280.G	EI23BG	14.5	15.9	152	14
A2.360.G	BM89MG	1	2	150	100	A2.360.G	BM89MG	15	21.9	184.5	69
A2.140.G	KK45ER	3	1	200	200	A2.140.G	KK45ER	18.2	18.2	182	0
A2.390.G	FF43PM	0.9	0.9	90	0	A2.390.G	FF43PM	10.8	12.7	117.5	19
A2.300.G	DR32FS	0.9	0.9	90	0	A2.300.G	DR32FS	13.7	12.9	133	8
A2.210.G	SF98HT	0.9	0.9	90	0	A2.210.G	SF98HT	14.4	16	152	16
A2.410.G	WW54BI	1	0.9	95	10	A2.410.G	WW54BI	11.9	15.8	138.5	39
A2.380.G	ZN57BB	0.9	0.9	90	0	A2.380.G	ZN57BB	9.4	14.5	119.5	51
A2.130.G	BM12LM	0.9	0.9	90	0	A2.130.G	BM12LM	23.2	18.5	208.5	47
A2.440.G	BC48EF	15	0.9	795	1410	A2.440.G	BC48EF	7.3	8.4	78.5	11
A2.136.G	FR23TS	1	0.9	95	10	A2.136.G	FR23TS	13.6	11.6	126	20
A2.310.G	BB53FD	1	0.9	95	10	A2.310.G	BB53FD	7.4	12.3	98.5	49
A2.290.G	CC44BR	1	2	150	100	A2.290.G	CC44BR	14.5	13.6	140.5	9
A2.106.G	DK29JG	0.9	0.9	90	0	A2.106.G	DK29JG	16.2	15.4	158	8
A2.250.G	ST66EH	1	0.9	95	10	A2.250.G	ST66EH	8.5	11.1	98	26
A2.35.G	ZW52MF	1	0.9	95	10	A2.35.G	ZW52MF	6.4	7.7	70.5	13
A2.148.G	RS84TF	1	1	100	0	A2.148.G	RS84TF	18.7	20.8	197.5	21
A2.260.G	MN47RI	1	0.9	95	10	A2.260.G	MN47RI	12	16.3	141.5	43
A2.112.G	DV38GJ	0.9	0.9	90	0	A2.112.G	DV38GJ	24.4	20	222	44
A2.94.G	FD42NV	7	11	900	400	A2.94.G	FD42NV	18.2	15.2	167	30
A2.370.G	RZ73BN	1	1	100	0	A2.370.G	RZ73BN	8	12	100	40
A2.14.G	CB42YG	2	0.9	145	110	A2.14.G	CB42YG	6.4	10.1	82.5	37
A2.29.G	ED41JT	1	1	100	0	A2.29.G	ED41JT	7.2	10.4	88	32
A2.70.G	TT35DF	2	2	200	0	A2.70.G	TT35DF	7.7	12.2	99.5	45
A2.220.G	HH43PJ	2	0.9	145	110	A2.220.G	HH43PJ	20	21.8	209	18
A2.400.G	BG67FJ	1	0.9	95	10	A2.400.G	BG67FJ	9.2	11.7	104.5	25
A2.74.G	VF73KK	0.9	0.9	90	0	A2.74.G	VF73KK	6.8	10.8	88	40

جدول (۲-۳): محاسبه پارامترهای لازم جهت ترسیم دیاگرام خطای آنالیز (ادامه)

Ba						Be					
شماره نمونه اولیه	شماره نمونه تکراری	مقدار اولیه	مقدار تکراری	میانگین	اختلاف	شماره نمونه اولیه	شماره نمونه تکراری	مقدار اولیه	مقدار تکراری	میانگین ×۱۰	اختلاف ×۱۰
A2.420.G	EA34GH	286	276	281	10	A2.420.G	EA34GH	0.9	1.5	12	6
A2.430.G	DB45TH	348	280	314	68	A2.430.G	DB45TH	1.2	1.5	13.5	3
A2.118.G	FE46JL	328	314	321	14	A2.118.G	FE46JL	1.7	1.9	18	2
A2.280.G	EI23BG	347	329	338	18	A2.280.G	EI23BG	2.3	1.8	20.5	5
A2.360.G	BM89MG	377	344	360.5	33	A2.360.G	BM89MG	1.5	1.7	16	2
A2.140.G	KK45ER	422	351	386.5	71	A2.140.G	KK45ER	2.7	2	23.5	7
A2.390.G	FF43PM	409	325	367	84	A2.390.G	FF43PM	1.4	1.8	16	4
A2.300.G	DR32FS	327	288	307.5	39	A2.300.G	DR32FS	2.4	1.6	20	8
A2.210.G	SF98HT	369	341	355	28	A2.210.G	SF98HT	2.1	2	20.5	1
A2.410.G	WW54BI	408	342	375	66	A2.410.G	WW54BI	1.6	2.1	18.5	5
A2.380.G	ZN57BB	325	314	319.5	11	A2.380.G	ZN57BB	1.5	1.7	16	2
A2.130.G	BM12LM	288	323	305.5	35	A2.130.G	BM12LM	1.2	1.5	13.5	3
A2.440.G	BC48EF	292	318	305	26	A2.440.G	BC48EF	1.6	1.7	16.5	1
A2.136.G	FR23TS	344	285	314.5	59	A2.136.G	FR23TS	1.9	1.4	16.5	5
A2.310.G	BB53FD	364	318	341	46	A2.310.G	BB53FD	1.2	1.7	14.5	5
A2.290.G	CC44BR	360	300	330	60	A2.290.G	CC44BR	2.8	1.8	23	10
A2.106.G	DK29JG	321	305	313	16	A2.106.G	DK29JG	1.8	1.9	18.5	1
A2.250.G	ST66EH	380	320	350	60	A2.250.G	ST66EH	1.6	1.9	17.5	3
A2.35.G	ZW52MF	362	216	289	146	A2.35.G	ZW52MF	1.9	1.1	15	8
A2.148.G	RS84TF	464	415	439.5	49	A2.148.G	RS84TF	2.5	2.1	23	4
A2.260.G	MN47RI	536	419	477.5	117	A2.260.G	MN47RI	1.8	2	19	2
A2.112.G	DV38GJ	333	291	312	42	A2.112.G	DV38GJ	1.5	1.5	15	0
A2.94.G	FD42NV	219	284	251.5	65	A2.94.G	FD42NV	0.9	1.4	11.5	5
A2.370.G	RZ73BN	315	297	306	18	A2.370.G	RZ73BN	1.6	1.8	17	2
A2.14.G	CB42YG	288	249	268.5	39	A2.14.G	CB42YG	1.5	1.4	14.5	1
A2.29.G	ED41JT	406	251	328.5	155	A2.29.G	ED41JT	2.3	1.4	18.5	9
A2.70.G	TT35DF	305	260	282.5	45	A2.70.G	TT35DF	1.3	1.3	13	0
A2.220.G	HH43PJ	428	398	413	30	A2.220.G	HH43PJ	2.5	2.3	24	2
A2.400.G	BG67FJ	381	296	338.5	85	A2.400.G	BG67FJ	1.3	1.7	15	4
A2.74.G	VF73KK	293	256	274.5	37	A2.74.G	VF73KK	1.1	1.3	12	2

جدول (۲-۳): محاسبه پارامترهای لازم جهت ترسیم دیاگرام خطای آنالیز (ادامه)

Ca						Bi					
شماره نمونه اولیه	شماره نمونه تکراری	مقدار اولیه	مقدار تکراری	میانگین /۱۰۰	اختلاف /۱۰۰	شماره نمونه اولیه	شماره نمونه تکراری	مقدار اولیه	مقدار تکراری	میانگین ×۱۰۰	اختلاف ×۱۰۰
A2.420.G	EA34GH	77000	92600	848	156	A2.420.G	EA34GH	0.2	0.3	25	10
A2.430.G	DB45TH	72800	76200	745	34	A2.430.G	DB45TH	0.2	0.2	20	0
A2.118.G	FE46JL	62700	58100	604	46	A2.118.G	FE46JL	0.3	0.3	30	0
A2.280.G	EI23BG	64300	49900	571	144	A2.280.G	EI23BG	0.2	0.3	25	10
A2.360.G	BM89MG	68200	67500	678.5	7	A2.360.G	BM89MG	0.4	0.2	30	20
A2.140.G	KK45ER	41900	41500	417	4	A2.140.G	KK45ER	0.4	0.3	35	10
A2.390.G	FF43PM	43700	43700	437	0	A2.390.G	FF43PM	0.2	0.2	20	0
A2.300.G	DR32FS	121000	88000	1045	330	A2.300.G	DR32FS	0.3	0.3	30	0
A2.210.G	SF98HT	29400	32500	309.5	31	A2.210.G	SF98HT	0.3	0.3	30	0
A2.410.G	WW54BI	38700	40700	397	20	A2.410.G	WW54BI	0.2	0.3	25	10
A2.380.G	ZN57BB	83700	95800	897.5	121	A2.380.G	ZN57BB	0.5	0.4	45	10
A2.130.G	BM12LM	76700	83000	798.5	63	A2.130.G	BM12LM	0.2	0.2	20	0
A2.440.G	BC48EF	74300	78900	766	46	A2.440.G	BC48EF	0.2	0.2	20	0
A2.136.G	FR23TS	122000	124000	1230	20	A2.136.G	FR23TS	0.3	0.2	25	10
A2.310.G	BB53FD	73800	77000	754	32	A2.310.G	BB53FD	0.3	0.3	30	0
A2.290.G	CC44BR	72800	47600	602	252	A2.290.G	CC44BR	0.4	0.3	35	10
A2.106.G	DK29JG	90900	74300	826	166	A2.106.G	DK29JG	0.4	0.3	35	10
A2.250.G	ST66EH	61700	55200	584.5	65	A2.250.G	ST66EH	0.3	0.2	25	10
A2.35.G	ZW52MF	137000	95500	1162.5	415	A2.35.G	ZW52MF	0.3	0.2	25	10
A2.148.G	RS84TF	9940	10300	101.2	3.6	A2.148.G	RS84TF	0.3	0.3	30	0
A2.260.G	MN47RI	68300	55700	620	126	A2.260.G	MN47RI	0.4	0.4	40	0
A2.112.G	DV38GJ	108000	93100	1005.5	149	A2.112.G	DV38GJ	0.3	0.2	25	10
A2.94.G	FD42NV	89300	114000	1016.5	247	A2.94.G	FD42NV	0.3	0.2	25	10
A2.370.G	RZ73BN	53800	55700	547.5	19	A2.370.G	RZ73BN	0.5	0.3	40	20
A2.14.G	CB42YG	104000	97400	1007	66	A2.14.G	CB42YG	0.3	0.2	25	10
A2.29.G	ED41JT	171000	126000	1485	450	A2.29.G	ED41JT	0.3	0.3	30	0
A2.70.G	TT35DF	90100	92100	911	20	A2.70.G	TT35DF	0.2	0.2	20	0
A2.220.G	HH43PJ	16500	18100	173	16	A2.220.G	HH43PJ	0.3	0.4	35	10
A2.400.G	BG67FJ	63700	59800	617.5	39	A2.400.G	BG67FJ	0.2	0.2	20	0
A2.74.G	VF73KK	120000	123000	1215	30	A2.74.G	VF73KK	0.3	0.2	25	10

جدول (۲-۳): محاسبه پارامترهای لازم جهت ترسیم دیاگرام خطای آنالیز (ادامه)

Cd						Ce				
شماره نمونه اولیه	شماره نمونه تکراری	مقدار اولیه	مقدار تکراری	میانگین ×۱۰۰	اختلاف ×۱۰۰	شماره نمونه اولیه	شماره نمونه تکراری	مقدار اولیه	مقدار تکراری	میانگین	اختلاف
A2.420.G	EA34GH	0.2	0.3	25	10	A2.420.G	EA34GH	98.2	93.9	96.05	4.3
A2.430.G	DB45TH	0.2	0.3	25	10	A2.430.G	DB45TH	55.3	47.3	51.3	8
A2.118.G	FE46JL	0.2	0.3	25	10	A2.118.G	FE46JL	80.5	85.5	83	5
A2.280.G	EI23BG	0.2	0.2	20	0	A2.280.G	EI23BG	61	58.7	59.85	2.3
A2.360.G	BM89MG	0.3	0.3	30	0	A2.360.G	BM89MG	78.6	61.8	70.2	16.8
A2.140.G	KK45ER	0.4	0.4	40	0	A2.140.G	KK45ER	99.6	84.3	91.95	15.3
A2.390.G	FF43PM	0.2	0.2	20	0	A2.390.G	FF43PM	81.3	62.8	72.05	18.5
A2.300.G	DR32FS	0.2	0.3	25	10	A2.300.G	DR32FS	120	104	112	16
A2.210.G	SF98HT	0.2	0.2	20	0	A2.210.G	SF98HT	144	93.4	118.7	50.6
A2.410.G	WW54BI	0.3	0.3	30	0	A2.410.G	WW54BI	68	80.8	74.4	12.8
A2.380.G	ZN57BB	0.2	0.2	20	0	A2.380.G	ZN57BB	195	207	201	12
A2.130.G	BM12LM	0.3	0.3	30	0	A2.130.G	BM12LM	64.4	62.9	63.65	1.5
A2.440.G	BC48EF	0.2	0.1	15	10	A2.440.G	BC48EF	52.3	65.3	58.8	13
A2.136.G	FR23TS	0.3	0.2	25	10	A2.136.G	FR23TS	78.9	59.1	69	19.8
A2.310.G	BB53FD	0.2	0.5	35	30	A2.310.G	BB53FD	111	115	113	4
A2.290.G	CC44BR	0.2	0.2	20	0	A2.290.G	CC44BR	138	109	123.5	29
A2.106.G	DK29JG	0.2	0.2	20	0	A2.106.G	DK29JG	74.2	75.3	74.75	1.1
A2.250.G	ST66EH	0.2	0.2	20	0	A2.250.G	ST66EH	68.7	59.2	63.95	9.5
A2.35.G	ZW52MF	0.2	0.2	20	0	A2.35.G	ZW52MF	76.6	54.6	65.6	22
A2.148.G	RS84TF	0.4	0.4	40	0	A2.148.G	RS84TF	92.6	96	94.3	3.4
A2.260.G	MN47RI	0.3	0.4	35	10	A2.260.G	MN47RI	234	201	217.5	33
A2.112.G	DV38GJ	0.3	0.3	30	0	A2.112.G	DV38GJ	65.3	59.3	62.3	6
A2.94.G	FD42NV	0.3	0.3	30	0	A2.94.G	FD42NV	63.9	62.4	63.15	1.5
A2.370.G	RZ73BN	0.2	0.2	20	0	A2.370.G	RZ73BN	93.4	98.1	95.75	4.7
A2.14.G	CB42YG	0.2	0.2	20	0	A2.14.G	CB42YG	88.5	76.2	82.35	12.3
A2.29.G	ED41JT	0.2	0.2	20	0	A2.29.G	ED41JT	112	94.2	103.1	17.8
A2.70.G	TT35DF	0.2	0.2	20	0	A2.70.G	TT35DF	63.6	47.7	55.65	15.9
A2.220.G	HH43PJ	0.3	0.3	30	0	A2.220.G	HH43PJ	136	106	121	30
A2.400.G	BG67FJ	0.2	0.2	20	0	A2.400.G	BG67FJ	141	114	127.5	27
A2.74.G	VF73KK	0.2	0.7	45	50	A2.74.G	VF73KK	127	107	117	20

جدول (۲-۳): محاسبه پارامترهای لازم جهت ترسیم دیاگرام خطای آنالیز (ادامه)

Co						Cr					
شماره نمونه اولیه	شماره نمونه تکراری	مقدار اولیه	مقدار تکراری	میانگین ×۱۰	اختلاف ×۱۰	شماره نمونه اولیه	شماره نمونه تکراری	مقدار اولیه	مقدار تکراری	میانگین	اختلاف
A2.420.G	EA34GH	14.2	16.3	152.5	21	A2.420.G	EA34GH	74	82	78	8
A2.430.G	DB45TH	15.9	15	154.5	9	A2.430.G	DB45TH	93	94	93.5	1
A2.118.G	FE46JL	15.9	19.1	175	32	A2.118.G	FE46JL	86	94	90	8
A2.280.G	EI23BG	15.9	17.5	167	16	A2.280.G	EI23BG	99	109	104	10
A2.360.G	BM89MG	18.4	18.1	182.5	3	A2.360.G	BM89MG	122	126	124	4
A2.140.G	KK45ER	21.6	19.7	206.5	19	A2.140.G	KK45ER	156	120	138	36
A2.390.G	FF43PM	16	15.1	155.5	9	A2.390.G	FF43PM	102	86	94	16
A2.300.G	DR32FS	17.2	17.4	173	2	A2.300.G	DR32FS	87	83	85	4
A2.210.G	SF98HT	22.9	21.2	220.5	17	A2.210.G	SF98HT	93	120	106.5	27
A2.410.G	WW54BI	19.3	18.4	188.5	9	A2.410.G	WW54BI	111	101	106	10
A2.380.G	ZN57BB	20.2	21.8	210	16	A2.380.G	ZN57BB	85	81	83	4
A2.130.G	BM12LM	15.9	17.1	165	12	A2.130.G	BM12LM	85	112	98.5	27
A2.440.G	BC48EF	12.5	13.8	131.5	13	A2.440.G	BC48EF	85	88	86.5	3
A2.136.G	FR23TS	14	11.6	128	24	A2.136.G	FR23TS	106	85	95.5	21
A2.310.G	BB53FD	18	17.8	179	2	A2.310.G	BB53FD	97	88	92.5	9
A2.290.G	CC44BR	19.8	18.7	192.5	11	A2.290.G	CC44BR	96	101	98.5	5
A2.106.G	DK29JG	17.6	19.5	185.5	19	A2.106.G	DK29JG	89	100	94.5	11
A2.250.G	ST66EH	15.5	15.4	154.5	1	A2.250.G	ST66EH	76	89	82.5	13
A2.35.G	ZW52MF	14.1	10.5	123	36	A2.35.G	ZW52MF	71	59	65	12
A2.148.G	RS84TF	20.8	22.3	215.5	15	A2.148.G	RS84TF	180	143	161.5	37
A2.260.G	MN47RI	23.6	23.5	235.5	1	A2.260.G	MN47RI	90	100	95	10
A2.112.G	DV38GJ	14.6	14.8	147	2	A2.112.G	DV38GJ	90	104	97	14
A2.94.G	FD42NV	13.6	14.6	141	10	A2.94.G	FD42NV	50	72	61	22
A2.370.G	RZ73BN	17.6	17.8	177	2	A2.370.G	RZ73BN	97	84	90.5	13
A2.14.G	CB42YG	12.1	11.5	118	6	A2.14.G	CB42YG	54	66	60	12
A2.29.G	ED41JT	15.7	13.6	146.5	21	A2.29.G	ED41JT	71	62	66.5	9
A2.70.G	TT35DF	14.4	13	137	14	A2.70.G	TT35DF	63	114	88.5	51
A2.220.G	HH43PJ	29	28.5	287.5	5	A2.220.G	HH43PJ	103	136	119.5	33
A2.400.G	BG67FJ	16.5	15.2	158.5	13	A2.400.G	BG67FJ	92	86	89	6
A2.74.G	VF73KK	14.3	13	136.5	13	A2.74.G	VF73KK	49	65	57	16

جدول (۲-۳): محاسبه پارامترهای لازم جهت ترسیم دیاگرام خطای آنالیز (ادامه)

Cu						Cs					
شماره نمونه اولیه	شماره نمونه تکراری	مقدار اولیه	مقدار تکراری	میانگین	اختلاف	شماره نمونه اولیه	شماره نمونه تکراری	مقدار اولیه	مقدار تکراری	میانگین	اختلاف
				×۱۰	×۱۰					×۱۰	×۱۰
A2.420.G	EA34GH	17.8	12.8	15.3	5	A2.420.G	EA34GH	4.2	6.2	52	20
A2.430.G	DB45TH	25.7	15.8	20.75	9.9	A2.430.G	DB45TH	5	6.3	56.5	13
A2.118.G	FE46JL	30.8	26.2	28.5	4.6	A2.118.G	FE46JL	6.2	9.1	76.5	29
A2.280.G	EI23BG	21.6	20.4	21	1.2	A2.280.G	EI23BG	5.6	7.4	65	18
A2.360.G	BM89MG	35.6	21.7	28.65	13.9	A2.360.G	BM89MG	5.4	7	62	16
A2.140.G	KK45ER	44.5	32.1	38.3	12.4	A2.140.G	KK45ER	6.3	7.6	69.5	13
A2.390.G	FF43PM	29.5	22.8	26.15	6.7	A2.390.G	FF43PM	5.8	7	64	12
A2.300.G	DR32FS	26.1	19.2	22.65	6.9	A2.300.G	DR32FS	5.6	6.7	61.5	11
A2.210.G	SF98HT	38	28.2	33.1	9.8	A2.210.G	SF98HT	6.5	6.9	67	4
A2.410.G	WW54BI	30	23	26.5	7	A2.410.G	WW54BI	7.1	9.6	83.5	25
A2.380.G	ZN57BB	31.2	19.3	25.25	11.9	A2.380.G	ZN57BB	5.1	7.3	62	22
A2.130.G	BM12LM	21.6	26.2	23.9	4.6	A2.130.G	BM12LM	5.1	6.7	59	16
A2.440.G	BC48EF	9.1	13.4	11.25	4.3	A2.440.G	BC48EF	6.7	8.6	76.5	19
A2.136.G	FR23TS	30.8	7.6	19.2	23.2	A2.136.G	FR23TS	5.3	5.1	52	2
A2.310.G	BB53FD	12.2	21.3	16.75	9.1	A2.310.G	BB53FD	7.3	7.7	75	4
A2.290.G	CC44BR	29.3	19.3	24.3	10	A2.290.G	CC44BR	6.5	7.5	70	10
A2.106.G	DK29JG	27.7	17.3	22.5	10.4	A2.106.G	DK29JG	6.4	8.3	73.5	19
A2.250.G	ST66EH	26	20.8	23.4	5.2	A2.250.G	ST66EH	7.6	7.3	74.5	3
A2.35.G	ZW52MF	26.1	6.6	16.35	19.5	A2.35.G	ZW52MF	4.8	4.7	47.5	1
A2.148.G	RS84TF	38.1	29	33.55	9.1	A2.148.G	RS84TF	5.3	7.2	62.5	19
A2.260.G	MN47RI	38.2	25.7	31.95	12.5	A2.260.G	MN47RI	7.5	7.6	75.5	1
A2.112.G	DV38GJ	27	14.7	20.85	12.3	A2.112.G	DV38GJ	5.2	6.5	58.5	13
A2.94.G	FD42NV	22	20.6	21.3	1.4	A2.94.G	FD42NV	5.3	6.6	59.5	13
A2.370.G	RZ73BN	28.1	19.7	23.9	8.4	A2.370.G	RZ73BN	5	6.8	59	18
A2.14.G	CB42YG	24.9	20.5	22.7	4.4	A2.14.G	CB42YG	5	5.9	54.5	9
A2.29.G	ED41JT	28.7	10.3	19.5	18.4	A2.29.G	ED41JT	5.6	6.1	58.5	5
A2.70.G	TT35DF	22.3	19.8	21.05	2.5	A2.70.G	TT35DF	5.9	5.1	55	8
A2.220.G	HH43PJ	41.7	34.3	38	7.4	A2.220.G	HH43PJ	7	8.4	77	14
A2.400.G	BG67FJ	26.4	20.7	23.55	5.7	A2.400.G	BG67FJ	5.6	6.5	60.5	9
A2.74.G	VF73KK	22.7	13.2	17.95	9.5	A2.74.G	VF73KK	5.4	6.2	58	8

جدول (۲-۳): محاسبه پارامترهای لازم جهت ترسیم دیاگرام خطای آنالیز (ادامه)

Fe						Hg					
شماره نمونه اولیه	شماره نمونه تکراری	مقدار اولیه	مقدار تکراری	میانگین /۱۰۰	اختلاف /۱۰۰	شماره نمونه اولیه	شماره نمونه تکراری	مقدار اولیه	مقدار تکراری	میانگین ×۱۰۰	اختلاف ×۱۰۰
A2.420.G	EA34GH	27800	37300	325.5	95	A2.420.G	EA34GH	0.05	0.07	6	2
A2.430.G	DB45TH	32200	36800	345	46	A2.430.G	DB45TH	0.06	0.41	23.5	35
A2.118.G	FE46JL	45700	42800	442.5	29	A2.118.G	FE46JL	0.08	0.36	22	28
A2.280.G	EI23BG	45500	43200	443.5	23	A2.280.G	EI23BG	0.05	0.14	9.5	9
A2.360.G	BM89MG	40800	40400	406	4	A2.360.G	BM89MG	0.05	0.11	8	6
A2.140.G	KK45ER	51500	44600	480.5	69	A2.140.G	KK45ER	0.2	0.14	17	6
A2.390.G	FF43PM	37000	40600	388	36	A2.390.G	FF43PM	0.08	0.18	13	10
A2.300.G	DR32FS	44100	39200	416.5	49	A2.300.G	DR32FS	0.06	0.14	10	8
A2.210.G	SF98HT	49800	49300	495.5	5	A2.210.G	SF98HT	0.05	0.17	11	12
A2.410.G	WW54BI	40700	47400	440.5	67	A2.410.G	WW54BI	0.11	0.13	12	2
A2.380.G	ZN57BB	39000	41300	401.5	23	A2.380.G	ZN57BB	0.06	0.13	9.5	7
A2.130.G	BM12LM	36700	37800	372.5	11	A2.130.G	BM12LM	0.05	0.13	9	8
A2.440.G	BC48EF	38800	40100	394.5	13	A2.440.G	BC48EF	0.33	0.1	21.5	23
A2.136.G	FR23TS	39400	35400	374	40	A2.136.G	FR23TS	0.07	0.08	7.5	1
A2.310.G	BB53FD	39300	41000	401.5	17	A2.310.G	BB53FD	0.05	0.23	14	18
A2.290.G	CC44BR	47700	39500	436	82	A2.290.G	CC44BR	0.06	0.17	11.5	11
A2.106.G	DK29JG	44200	44300	442.5	1	A2.106.G	DK29JG	0.07	0.22	14.5	15
A2.250.G	ST66EH	43700	39200	414.5	45	A2.250.G	ST66EH	0.13	0.14	13.5	1
A2.35.G	ZW52MF	38900	28400	336.5	105	A2.35.G	ZW52MF	0.07	0.05	6	2
A2.148.G	RS84TF	48600	45200	469	34	A2.148.G	RS84TF	0.09	0.28	18.5	19
A2.260.G	MN47RI	54200	41400	478	128	A2.260.G	MN47RI	0.11	0.28	19.5	17
A2.112.G	DV38GJ	42200	37500	398.5	47	A2.112.G	DV38GJ	0.06	0.14	10	8
A2.94.G	FD42NV	31100	37500	343	64	A2.94.G	FD42NV	0.08	0.1	9	2
A2.370.G	RZ73BN	41800	42800	423	10	A2.370.G	RZ73BN	0.05	0.13	9	8
A2.14.G	CB42YG	34100	34200	341.5	1	A2.14.G	CB42YG	0.05	0.39	22	34
A2.29.G	ED41JT	47700	35800	417.5	119	A2.29.G	ED41JT	0.06	0.05	5.5	1
A2.70.G	TT35DF	34700	35200	349.5	5	A2.70.G	TT35DF	0.05	0.13	9	8
A2.220.G	HH43PJ	53500	51700	526	18	A2.220.G	HH43PJ	0.05	0.14	9.5	9
A2.400.G	BG67FJ	37200	38600	379	14	A2.400.G	BG67FJ	0.13	0.13	13	0
A2.74.G	VF73KK	31700	33000	323.5	13	A2.74.G	VF73KK	0.07	0.16	11.5	9

جدول (۲-۳): محاسبه پارامترهای لازم جهت ترسیم دیاگرام خطای آنالیز (ادامه)

La						K				
شماره نمونه اولیه	شماره نمونه تکراری	مقدار اولیه	مقدار تکراری	میانگین /۱۰۰	اختلاف /۱۰۰	شماره نمونه اولیه	شماره نمونه تکراری	مقدار اولیه	مقدار تکراری	میانگین	اختلاف
A2.420.G	EA34GH	46	43	44.5	3	A2.420.G	EA34GH	14800	17300	160.5	25
A2.430.G	DB45TH	26	21	23.5	5	A2.430.G	DB45TH	17700	17800	177.5	1
A2.118.G	FE46JL	50	34	42	16	A2.118.G	FE46JL	20600	21400	210	8
A2.280.G	EI23BG	28	26	27	2	A2.280.G	EI23BG	18600	20400	195	18
A2.360.G	BM89MG	31	28	29.5	3	A2.360.G	BM89MG	19500	19000	192.5	5
A2.140.G	KK45ER	47	38	42.5	9	A2.140.G	KK45ER	19300	20600	199.5	13
A2.390.G	FF43PM	37	29	33	8	A2.390.G	FF43PM	18900	19800	193.5	9
A2.300.G	DR32FS	62	46	54	16	A2.300.G	DR32FS	17800	18000	179	2
A2.210.G	SF98HT	48	44	46	4	A2.210.G	SF98HT	19100	21600	203.5	25
A2.410.G	WW54BI	30	37	33.5	7	A2.410.G	WW54BI	23200	24500	238.5	13
A2.380.G	ZN57BB	100	95	97.5	5	A2.380.G	ZN57BB	18000	19600	188	16
A2.130.G	BM12LM	33	28	30.5	5	A2.130.G	BM12LM	15900	18600	172.5	27
A2.440.G	BC48EF	23	29	26	6	A2.440.G	BC48EF	18300	21800	200.5	35
A2.136.G	FR23TS	42	36	39	6	A2.136.G	FR23TS	19500	19500	195	0
A2.310.G	BB53FD	65	52	58.5	13	A2.310.G	BB53FD	18100	20500	193	24
A2.290.G	CC44BR	71	50	60.5	21	A2.290.G	CC44BR	20100	19400	197.5	7
A2.106.G	DK29JG	48	33	40.5	15	A2.106.G	DK29JG	14200	19500	168.5	53
A2.250.G	ST66EH	37	27	32	10	A2.250.G	ST66EH	15200	21100	181.5	59
A2.35.G	ZW52MF	44	26	35	18	A2.35.G	ZW52MF	13400	13300	133.5	1
A2.148.G	RS84TF	45	43	44	2	A2.148.G	RS84TF	20600	20300	204.5	3
A2.260.G	MN47RI	135	91	113	44	A2.260.G	MN47RI	16000	20700	183.5	47
A2.112.G	DV38GJ	40	27	33.5	13	A2.112.G	DV38GJ	19900	18400	191.5	15
A2.94.G	FD42NV	28	29	28.5	1	A2.94.G	FD42NV	14200	18700	164.5	45
A2.370.G	RZ73BN	43	45	44	2	A2.370.G	RZ73BN	19900	19700	198	2
A2.14.G	CB42YG	44	34	39	10	A2.14.G	CB42YG	12800	15200	140	24
A2.29.G	ED41JT	73	43	58	30	A2.29.G	ED41JT	17000	17100	170.5	1
A2.70.G	TT35DF	27	21	24	6	A2.70.G	TT35DF	19800	17000	184	28
A2.220.G	HH43PJ	55	47	51	8	A2.220.G	HH43PJ	16200	21000	186	48
A2.400.G	BG67FJ	68	51	59.5	17	A2.400.G	BG67FJ	19200	17100	181.5	21
A2.74.G	VF73KK	54	47	50.5	7	A2.74.G	VF73KK	16900	15900	164	10

جدول (۲-۳): محاسبه پارامترهای لازم جهت ترسیم دیاگرام خطای آنالیز (ادامه)

Li						Mg					
شماره نمونه اولیه	شماره نمونه تکراری	مقدار اولیه	مقدار تکراری	میانگین	اختلاف	شماره نمونه اولیه	شماره نمونه تکراری	مقدار اولیه	مقدار تکراری	میانگین /۱۰۰	اختلاف /۱۰۰
A2.420.G	EA34GH	36.9	36.7	36.8	0.2	A2.420.G	EA34GH	12100	14000	130.5	19
A2.430.G	DB45TH	44.4	36.2	40.3	8.2	A2.430.G	DB45TH	14600	14700	146.5	1
A2.118.G	FE46JL	59.6	45.5	52.55	14.1	A2.118.G	FE46JL	16200	15000	156	12
A2.280.G	EI23BG	60.9	44.8	52.85	16.1	A2.280.G	EI23BG	15700	15300	155	4
A2.360.G	BM89MG	35.4	29.5	32.45	5.9	A2.360.G	BM89MG	17600	17300	174.5	3
A2.140.G	KK45ER	60.7	42.2	51.45	18.5	A2.140.G	KK45ER	16600	16900	167.5	3
A2.390.G	FF43PM	53	42.4	47.7	10.6	A2.390.G	FF43PM	16400	16200	163	2
A2.300.G	DR32FS	60.4	37.9	49.15	22.5	A2.300.G	DR32FS	14600	13500	140.5	11
A2.210.G	SF98HT	50.5	43.7	47.1	6.8	A2.210.G	SF98HT	15900	17200	165.5	13
A2.410.G	WW54BI	54.2	46.7	50.45	7.5	A2.410.G	WW54BI	16600	17500	170.5	9
A2.380.G	ZN57BB	49	45.3	47.15	3.7	A2.380.G	ZN57BB	13200	14500	138.5	13
A2.130.G	BM12LM	30.6	26.1	28.35	4.5	A2.130.G	BM12LM	14100	15200	146.5	11
A2.440.G	BC48EF	44.9	49.4	47.15	4.5	A2.440.G	BC48EF	13600	17000	153	34
A2.136.G	FR23TS	37.7	27	32.35	10.7	A2.136.G	FR23TS	12000	12900	124.5	9
A2.310.G	BB53FD	53.4	45.5	49.45	7.9	A2.310.G	BB53FD	16100	15700	159	4
A2.290.G	CC44BR	65.8	42.4	54.1	23.4	A2.290.G	CC44BR	17700	15900	168	18
A2.106.G	DK29JG	60	48	54	12	A2.106.G	DK29JG	14900	14300	146	6
A2.250.G	ST66EH	58.5	45.6	52.05	12.9	A2.250.G	ST66EH	16200	15900	160.5	3
A2.35.G	ZW52MF	41.2	25.3	33.25	15.9	A2.35.G	ZW52MF	11900	10900	114	10
A2.148.G	RS84TF	48.6	38	43.3	10.6	A2.148.G	RS84TF	15300	15800	155.5	5
A2.260.G	MN47RI	67.3	48.6	57.95	18.7	A2.260.G	MN47RI	16300	14700	155	16
A2.112.G	DV38GJ	35.7	25.3	30.5	10.4	A2.112.G	DV38GJ	15800	14400	151	14
A2.94.G	FD42NV	37.1	37	37.05	0.1	A2.94.G	FD42NV	12700	15700	142	30
A2.370.G	RZ73BN	50.3	44.3	47.3	6	A2.370.G	RZ73BN	14100	15200	146.5	11
A2.14.G	CB42YG	52.6	42.5	47.55	10.1	A2.14.G	CB42YG	13100	14200	136.5	11
A2.29.G	ED41JT	53.9	32.7	43.3	21.2	A2.29.G	ED41JT	18500	14100	163	44
A2.70.G	TT35DF	43.4	34.2	38.8	9.2	A2.70.G	TT35DF	14700	13200	139.5	15
A2.220.G	HH43PJ	53.3	46.4	49.85	6.9	A2.220.G	HH43PJ	15700	16400	160.5	7
A2.400.G	BG67FJ	53.8	41.6	47.7	12.2	A2.400.G	BG67FJ	15300	14800	150.5	5
A2.74.G	VF73KK	36.6	29.9	33.25	6.7	A2.74.G	VF73KK	11700	12800	122.5	11

جدول (۲-۳): محاسبه پارامترهای لازم جهت ترسیم دیاگرام خطای آنالیز (ادامه)

Mo						Mn					
شماره نمونه اولیه	شماره نمونه تکراری	مقدار اولیه	مقدار تکراری	میانگین/۱۰	اختلاف /۱۰	شماره نمونه اولیه	شماره نمونه تکراری	مقدار اولیه	مقدار تکراری	میانگین ۱۰×	اختلاف ۱۰×
A2.420.G	EA34GH	0.5	0.9	7	4	A2.420.G	EA34GH	607	817	71.2	21
A2.430.G	DB45TH	0.6	1	8	4	A2.430.G	DB45TH	690	787	73.85	9.7
A2.118.G	FE46JL	0.3	1.3	8	10	A2.118.G	FE46JL	827	842	83.45	1.5
A2.280.G	EI23BG	0.9	1	9.5	1	A2.280.G	EI23BG	765	788	77.65	2.3
A2.360.G	BM89MG	1.2	1.6	14	4	A2.360.G	BM89MG	945	964	95.45	1.9
A2.140.G	KK45ER	2.4	1.5	19.5	9	A2.140.G	KK45ER	1220	1050	113.5	17
A2.390.G	FF43PM	0.7	1.1	9	4	A2.390.G	FF43PM	739	822	78.05	8.3
A2.300.G	DR32FS	1	1.1	10.5	1	A2.300.G	DR32FS	906	862	88.4	4.4
A2.210.G	SF98HT	0.8	1.1	9.5	3	A2.210.G	SF98HT	981	1040	101.05	5.9
A2.410.G	WW54BI	0.7	1.1	9	4	A2.410.G	WW54BI	775	890	83.25	11.5
A2.380.G	ZN57BB	0.6	0.9	7.5	3	A2.380.G	ZN57BB	872	1000	93.6	12.8
A2.130.G	BM12LM	0.8	1.5	11.5	7	A2.130.G	BM12LM	869	1020	94.45	15.1
A2.440.G	BC48EF	0.8	0.8	8	0	A2.440.G	BC48EF	636	669	65.25	3.3
A2.136.G	FR23TS	0.8	0.7	7.5	1	A2.136.G	FR23TS	916	829	87.25	8.7
A2.310.G	BB53FD	0.6	1.1	8.5	5	A2.310.G	BB53FD	868	890	87.9	2.2
A2.290.G	CC44BR	0.8	0.9	8.5	1	A2.290.G	CC44BR	1020	917	96.85	10.3
A2.106.G	DK29JG	0.3	0.9	6	6	A2.106.G	DK29JG	1240	1170	120.5	7
A2.250.G	ST66EH	0.7	1.1	9	4	A2.250.G	ST66EH	872	820	84.6	5.2
A2.35.G	ZW52MF	0.7	0.7	7	0	A2.35.G	ZW52MF	878	593	73.55	28.5
A2.148.G	RS84TF	1.4	1.7	15.5	3	A2.148.G	RS84TF	1350	1220	128.5	13
A2.260.G	MN47RI	0.6	1	8	4	A2.260.G	MN47RI	1270	1080	117.5	19
A2.112.G	DV38GJ	0.5	1.4	9.5	9	A2.112.G	DV38GJ	954	892	92.3	6.2
A2.94.G	FD42NV	0.4	1.1	7.5	7	A2.94.G	FD42NV	519	700	60.95	18.1
A2.370.G	RZ73BN	0.7	1	8.5	3	A2.370.G	RZ73BN	768	803	78.55	3.5
A2.14.G	CB42YG	1	1.1	10.5	1	A2.14.G	CB42YG	572	520	54.6	5.2
A2.29.G	ED41JT	0.7	0.9	8	2	A2.29.G	ED41JT	988	652	82	33.6
A2.70.G	TT35DF	0.7	0.8	7.5	1	A2.70.G	TT35DF	648	661	65.45	1.3
A2.220.G	HH43PJ	1.3	1.7	15	4	A2.220.G	HH43PJ	1420	1460	144	4
A2.400.G	BG67FJ	0.7	1.1	9	4	A2.400.G	BG67FJ	761	785	77.3	2.4
A2.74.G	VF73KK	0.7	0.9	8	2	A2.74.G	VF73KK	604	593	59.85	1.1

جدول (۲-۳): محاسبه پارامترهای لازم جهت ترسیم دیاگرام خطای آنالیز (ادامه)

Na						Nb					
شماره نمونه اولیه	شماره نمونه تکراری	مقدار اولیه	مقدار تکراری	میانگین /۱۰۰	اختلاف /۱۰۰	شماره نمونه اولیه	شماره نمونه تکراری	مقدار اولیه	مقدار تکراری	میانگین ×۱۰	اختلاف ×۱۰
A2.420.G	EA34GH	8770	9450	91.1	6.8	A2.420.G	EA34GH	4.2	7.9	60.5	37
A2.430.G	DB45TH	10500	9510	100.05	9.9	A2.430.G	DB45TH	6	7.9	69.5	19
A2.118.G	FE46JL	10800	9460	101.3	13.4	A2.118.G	FE46JL	8.6	10.1	93.5	15
A2.280.G	EI23BG	8220	9060	86.4	8.4	A2.280.G	EI23BG	8.3	9.4	88.5	11
A2.360.G	BM89MG	6890	6070	64.8	8.2	A2.360.G	BM89MG	10.1	10.4	102.5	3
A2.140.G	KK45ER	9640	8700	91.7	9.4	A2.140.G	KK45ER	10.4	10.2	103	2
A2.390.G	FF43PM	12400	11100	117.5	13	A2.390.G	FF43PM	6.6	9.2	79	26
A2.300.G	DR32FS	8900	8800	88.5	1	A2.300.G	DR32FS	7.7	8.3	80	6
A2.210.G	SF98HT	11200	11000	111	2	A2.210.G	SF98HT	10.1	10.1	101	0
A2.410.G	WW54BI	10100	9630	98.65	4.7	A2.410.G	WW54BI	7.1	9.5	83	24
A2.380.G	ZN57BB	9740	9890	98.15	1.5	A2.380.G	ZN57BB	5.2	7.9	65.5	27
A2.130.G	BM12LM	6020	5900	59.6	1.2	A2.130.G	BM12LM	9.4	9.4	94	0
A2.440.G	BC48EF	9410	10200	98.05	7.9	A2.440.G	BC48EF	8	8.1	80.5	1
A2.136.G	FR23TS	7440	7030	72.35	4.1	A2.136.G	FR23TS	6.6	5.7	61.5	9
A2.310.G	BB53FD	9490	9610	95.5	1.2	A2.310.G	BB53FD	8	8.2	81	2
A2.290.G	CC44BR	8940	8630	87.85	3.1	A2.290.G	CC44BR	8	8.1	80.5	1
A2.106.G	DK29JG	9770	8620	91.95	11.5	A2.106.G	DK29JG	8.5	8.5	85	0
A2.250.G	ST66EH	11800	10000	109	18	A2.250.G	ST66EH	13.9	9	114.5	49
A2.35.G	ZW52MF	11200	7740	94.7	34.6	A2.35.G	ZW52MF	6.3	5.4	58.5	9
A2.148.G	RS84TF	10500	10100	103	4	A2.148.G	RS84TF	9.9	11.5	107	16
A2.260.G	MN47RI	12700	9860	112.8	28.4	A2.260.G	MN47RI	13.6	9.1	113.5	45
A2.112.G	DV38GJ	8120	6320	72.2	18	A2.112.G	DV38GJ	8.4	8.1	82.5	3
A2.94.G	FD42NV	6450	7700	70.75	12.5	A2.94.G	FD42NV	8	7.7	78.5	3
A2.370.G	RZ73BN	12000	10500	112.5	15	A2.370.G	RZ73BN	5.6	7.5	65.5	19
A2.14.G	CB42YG	9850	8640	92.45	12.1	A2.14.G	CB42YG	6.3	6.1	62	2
A2.29.G	ED41JT	12200	8070	101.35	41.3	A2.29.G	ED41JT	7.1	6.5	68	6
A2.70.G	TT35DF	8720	7830	82.75	8.9	A2.70.G	TT35DF	8.4	7.2	78	12
A2.220.G	HH43PJ	8990	8760	88.75	2.3	A2.220.G	HH43PJ	10.6	11	108	4
A2.400.G	BG67FJ	10800	8890	98.45	19.1	A2.400.G	BG67FJ	5.3	8.1	67	28
A2.74.G	VF73KK	8210	7530	78.7	6.8	A2.74.G	VF73KK	7.3	6.4	68.5	9

جدول (۲-۳): محاسبه پارامترهای لازم جهت ترسیم دیاگرام خطای آنالیز (ادامه)

P						Ni					
شماره نمونه اولیه	شماره نمونه تکراری	مقدار اولیه	مقدار تکراری	میانگین	اختلاف	شماره نمونه اولیه	شماره نمونه تکراری	مقدار اولیه	مقدار تکراری	میانگین	اختلاف
A2.420.G	EA34GH	526	579	552.5	53	A2.420.G	EA34GH	48	52	50	4
A2.430.G	DB45TH	721	670	695.5	51	A2.430.G	DB45TH	58	57	57.5	1
A2.118.G	FE46JL	809	657	733	152	A2.118.G	FE46JL	63	55	59	8
A2.280.G	EI23BG	929	664	796.5	265	A2.280.G	EI23BG	60	57	58.5	3
A2.360.G	BM89MG	627	597	612	30	A2.360.G	BM89MG	85	87	86	2
A2.140.G	KK45ER	779	722	750.5	57	A2.140.G	KK45ER	90	76	83	14
A2.390.G	FF43PM	964	886	925	78	A2.390.G	FF43PM	61	57	59	4
A2.300.G	DR32FS	913	640	776.5	273	A2.300.G	DR32FS	59	55	57	4
A2.210.G	SF98HT	674	672	673	2	A2.210.G	SF98HT	69	69	69	0
A2.410.G	WW54BI	785	737	761	48	A2.410.G	WW54BI	65	67	66	2
A2.380.G	ZN57BB	632	658	645	26	A2.380.G	ZN57BB	51	56	53.5	5
A2.130.G	BM12LM	631	581	606	50	A2.130.G	BM12LM	71	75	73	4
A2.440.G	BC48EF	567	618	592.5	51	A2.440.G	BC48EF	39	43	41	4
A2.136.G	FR23TS	714	597	655.5	117	A2.136.G	FR23TS	61	54	57.5	7
A2.310.G	BB53FD	694	668	681	26	A2.310.G	BB53FD	57	53	55	4
A2.290.G	CC44BR	1060	698	879	362	A2.290.G	CC44BR	66	54	60	12
A2.106.G	DK29JG	753	569	661	184	A2.106.G	DK29JG	63	57	60	6
A2.250.G	ST66EH	958	790	874	168	A2.250.G	ST66EH	57	52	54.5	5
A2.35.G	ZW52MF	879	502	690.5	377	A2.35.G	ZW52MF	64	37	50.5	27
A2.148.G	RS84TF	787	773	780	14	A2.148.G	RS84TF	97	91	94	6
A2.260.G	MN47RI	855	702	778.5	153	A2.260.G	MN47RI	79	68	73.5	11
A2.112.G	DV38GJ	898	663	780.5	235	A2.112.G	DV38GJ	75	60	67.5	15
A2.94.G	FD42NV	833	804	818.5	29	A2.94.G	FD42NV	44	54	49	10
A2.370.G	RZ73BN	734	770	752	36	A2.370.G	RZ73BN	56	53	54.5	3
A2.14.G	CB42YG	684	525	604.5	159	A2.14.G	CB42YG	53	46	49.5	7
A2.29.G	ED41JT	835	500	667.5	335	A2.29.G	ED41JT	77	45	61	32
A2.70.G	TT35DF	883	783	833	100	A2.70.G	TT35DF	53	49	51	4
A2.220.G	HH43PJ	615	638	626.5	23	A2.220.G	HH43PJ	93	91	92	2
A2.400.G	BG67FJ	608	564	586	44	A2.400.G	BG67FJ	56	52	54	4
A2.74.G	VF73KK	583	510	546.5	73	A2.74.G	VF73KK	45	43	44	2

جدول (۲-۳): محاسبه پارامترهای لازم جهت ترسیم دیاگرام خطای آنالیز (ادامه)

Pb						Rb					
شماره نمونه اولیه	شماره نمونه تکراری	مقدار اولیه	مقدار تکراری	میانگین	اختلاف	شماره نمونه اولیه	شماره نمونه تکراری	مقدار اولیه	مقدار تکراری	میانگین	اختلاف
A2.420.G	EA34GH	21.6	29.9	25.75	8.3	A2.420.G	EA34GH	54.7	72.6	63.65	17.9
A2.430.G	DB45TH	24	22.2	23.1	1.8	A2.430.G	DB45TH	65.2	89.5	77.35	24.3
A2.118.G	FE46JL	30.3	28.4	29.35	1.9	A2.118.G	FE46JL	65.7	124	94.85	58.3
A2.280.G	EI23BG	36	22.8	29.4	13.2	A2.280.G	EI23BG	65.3	104	84.65	38.7
A2.360.G	BM89MG	20.8	15.3	18.05	5.5	A2.360.G	BM89MG	105	95	100	10
A2.140.G	KK45ER	24.7	34.3	29.5	9.6	A2.140.G	KK45ER	99.3	110	104.65	10.7
A2.390.G	FF43PM	22	25.6	23.8	3.6	A2.390.G	FF43PM	65.7	98.8	82.25	33.1
A2.300.G	DR32FS	35.7	27.6	31.65	8.1	A2.300.G	DR32FS	88.9	90.1	89.5	1.2
A2.210.G	SF98HT	22.8	30.6	26.7	7.8	A2.210.G	SF98HT	108	101	104.5	7
A2.410.G	WW54BI	23	31.1	27.05	8.1	A2.410.G	WW54BI	80.3	125	102.65	44.7
A2.380.G	ZN57BB	21.4	37.8	29.6	16.4	A2.380.G	ZN57BB	105	103	104	2
A2.130.G	BM12LM	28.7	30.2	29.45	1.5	A2.130.G	BM12LM	51.5	90.8	71.15	39.3
A2.440.G	BC48EF	22.3	26.3	24.3	4	A2.440.G	BC48EF	70.3	121	95.65	50.7
A2.136.G	FR23TS	23.6	31.1	27.35	7.5	A2.136.G	FR23TS	90.4	70.9	80.65	19.5
A2.310.G	BB53FD	12.6	23.8	18.2	11.2	A2.310.G	BB53FD	96.3	105	100.65	8.7
A2.290.G	CC44BR	38	21.6	29.8	16.4	A2.290.G	CC44BR	93.1	102	97.55	8.9
A2.106.G	DK29JG	36.6	33.7	35.15	2.9	A2.106.G	DK29JG	59.6	83.7	71.65	24.1
A2.250.G	ST66EH	26.8	24.7	25.75	2.1	A2.250.G	ST66EH	101	98.9	99.95	2.1
A2.35.G	ZW52MF	28.7	35	31.85	6.3	A2.35.G	ZW52MF	90.1	64.4	77.25	25.7
A2.148.G	RS84TF	24.1	39.1	31.6	15	A2.148.G	RS84TF	80.4	101	90.7	20.6
A2.260.G	MN47RI	45.2	35.6	40.4	9.6	A2.260.G	MN47RI	110	102	106	8
A2.112.G	DV38GJ	53.5	36.8	45.15	16.7	A2.112.G	DV38GJ	56.8	91.7	74.25	34.9
A2.94.G	FD42NV	35.1	33.2	34.15	1.9	A2.94.G	FD42NV	59	89.5	74.25	30.5
A2.370.G	RZ73BN	20.5	31.9	26.2	11.4	A2.370.G	RZ73BN	110	105	107.5	5
A2.14.G	CB42YG	21.4	18.2	19.8	3.2	A2.14.G	CB42YG	89.5	85.4	87.45	4.1
A2.29.G	ED41JT	29.8	27.9	28.85	1.9	A2.29.G	ED41JT	106	93.2	99.6	12.8
A2.70.G	TT35DF	18.1	25.6	21.85	7.5	A2.70.G	TT35DF	111	35.9	73.45	75.1
A2.220.G	HH43PJ	30.7	36.3	33.5	5.6	A2.220.G	HH43PJ	109	106	107.5	3
A2.400.G	BG67FJ	19.2	20.8	20	1.6	A2.400.G	BG67FJ	69.5	84.7	77.1	15.2
A2.74.G	VF73KK	19.5	21.4	20.45	1.9	A2.74.G	VF73KK	104	89.8	96.9	14.2

جدول (۲-۳): محاسبه پارامترهای لازم جهت ترسیم دیاگرام خطای آنالیز (ادامه)

S						Sb					
شماره نمونه اولیه	شماره نمونه تکراری	مقدار اولیه	مقدار تکراری	میانگین/۱۰	اختلاف /۱۰	شماره نمونه اولیه	شماره نمونه تکراری	مقدار اولیه	مقدار تکراری	میانگین ۱۰×	اختلاف ۱۰×
A2.420.G	EA34GH	510	580	54.5	7	A2.420.G	EA34GH	0.5	1.1	8	6
A2.430.G	DB45TH	680	650	66.5	3	A2.430.G	DB45TH	0.6	0.6	6	0
A2.118.G	FE46JL	830	570	70	26	A2.118.G	FE46JL	0.4	0.7	5.5	3
A2.280.G	EI23BG	480	330	40.5	15	A2.280.G	EI23BG	0.7	0.7	7	0
A2.360.G	BM89MG	440	450	44.5	1	A2.360.G	BM89MG	0.9	1	9.5	1
A2.140.G	KK45ER	600	390	49.5	21	A2.140.G	KK45ER	0.8	0.8	8	0
A2.390.G	FF43PM	360	310	33.5	5	A2.390.G	FF43PM	0.7	0.6	6.5	1
A2.300.G	DR32FS	830	580	70.5	25	A2.300.G	DR32FS	0.7	0.7	7	0
A2.210.G	SF98HT	900	340	62	56	A2.210.G	SF98HT	0.7	0.7	7	0
A2.410.G	WW54BI	450	400	42.5	5	A2.410.G	WW54BI	0.8	0.7	7.5	1
A2.380.G	ZN57BB	520	580	55	6	A2.380.G	ZN57BB	0.6	0.7	6.5	1
A2.130.G	BM12LM	650	510	58	14	A2.130.G	BM12LM	1.1	0.9	10	2
A2.440.G	BC48EF	410	490	45	8	A2.440.G	BC48EF	0.5	0.4	4.5	1
A2.136.G	FR23TS	1190	690	94	50	A2.136.G	FR23TS	0.9	0.7	8	2
A2.310.G	BB53FD	410	490	45	8	A2.310.G	BB53FD	0.6	0.6	6	0
A2.290.G	CC44BR	800	590	69.5	21	A2.290.G	CC44BR	0.6	0.6	6	0
A2.106.G	DK29JG	660	580	62	8	A2.106.G	DK29JG	0.7	0.6	6.5	1
A2.250.G	ST66EH	540	410	47.5	13	A2.250.G	ST66EH	0.5	0.6	5.5	1
A2.35.G	ZW52MF	880	510	69.5	37	A2.35.G	ZW52MF	0.5	0.5	5	0
A2.148.G	RS84TF	290	220	25.5	7	A2.148.G	RS84TF	0.9	1.1	10	2
A2.260.G	MN47RI	570	450	51	12	A2.260.G	MN47RI	1.2	1.2	12	0
A2.112.G	DV38GJ	940	560	75	38	A2.112.G	DV38GJ	1.4	1.2	13	2
A2.94.G	FD42NV	6010	4360	518.5	165	A2.94.G	FD42NV	0.9	0.9	9	0
A2.370.G	RZ73BN	460	510	48.5	5	A2.370.G	RZ73BN	0.5	0.7	6	2
A2.14.G	CB42YG	1070	810	94	26	A2.14.G	CB42YG	0.5	0.4	4.5	1
A2.29.G	ED41JT	1190	730	96	46	A2.29.G	ED41JT	0.7	0.6	6.5	1
A2.70.G	TT35DF	770	560	66.5	21	A2.70.G	TT35DF	0.6	0.6	6	0
A2.220.G	HH43PJ	780	280	53	50	A2.220.G	HH43PJ	1	0.9	9.5	1
A2.400.G	BG67FJ	520	430	47.5	9	A2.400.G	BG67FJ	0.7	0.6	6.5	1
A2.74.G	VF73KK	900	740	82	16	A2.74.G	VF73KK	0.7	0.5	6	2

جدول (۲-۳): محاسبه پارامترهای لازم جهت ترسیم دیاگرام خطای آنالیز (ادامه)

Sc						Sn					
شماره نمونه اولیه	شماره نمونه تکراری	مقدار اولیه	مقدار تکراری	میانگین ×۱۰	اختلاف ×۱۰	شماره نمونه اولیه	شماره نمونه تکراری	مقدار اولیه	مقدار تکراری	میانگین ×۱۰	اختلاف ×۱۰
A2.420.G	EA34GH	11	10	105	10	A2.420.G	EA34GH	1.4	2.5	19.5	11
A2.430.G	DB45TH	13	11	120	20	A2.430.G	DB45TH	1.8	2.6	22	8
A2.118.G	FE46JL	17	14	155	30	A2.118.G	FE46JL	2.3	3.7	30	14
A2.280.G	EI23BG	15	14	145	10	A2.280.G	EI23BG	2.4	3.5	29.5	11
A2.360.G	BM89MG	14	12	130	20	A2.360.G	BM89MG	2.1	3	25.5	9
A2.140.G	KK45ER	19	15	170	40	A2.140.G	KK45ER	3.7	3.4	35.5	3
A2.390.G	FF43PM	15	13	140	20	A2.390.G	FF43PM	2.1	3	25.5	9
A2.300.G	DR32FS	18	11	145	70	A2.300.G	DR32FS	1.9	2.6	22.5	7
A2.210.G	SF98HT	16	15	155	10	A2.210.G	SF98HT	2.3	2.9	26	6
A2.410.G	WW54BI	17	16	165	10	A2.410.G	WW54BI	2.5	3.4	29.5	9
A2.380.G	ZN57BB	13	13	130	0	A2.380.G	ZN57BB	1.8	2.7	22.5	9
A2.130.G	BM12LM	11	11	110	0	A2.130.G	BM12LM	1.9	2.6	22.5	7
A2.440.G	BC48EF	8	14	110	60	A2.440.G	BC48EF	2.6	3	28	4
A2.136.G	FR23TS	14	11	125	30	A2.136.G	FR23TS	2.5	2.1	23	4
A2.310.G	BB53FD	15	13	140	20	A2.310.G	BB53FD	2.4	3	27	6
A2.290.G	CC44BR	19	13	160	60	A2.290.G	CC44BR	2.3	2.9	26	6
A2.106.G	DK29JG	15	10	125	50	A2.106.G	DK29JG	2.2	3	26	8
A2.250.G	ST66EH	16	12	140	40	A2.250.G	ST66EH	2.5	3.1	28	6
A2.35.G	ZW52MF	14	8	110	60	A2.35.G	ZW52MF	1.8	1.8	18	0
A2.148.G	RS84TF	15	14	145	10	A2.148.G	RS84TF	2.8	3.3	30.5	5
A2.260.G	MN47RI	18	13	155	50	A2.260.G	MN47RI	2.4	3	27	6
A2.112.G	DV38GJ	14	11	125	30	A2.112.G	DV38GJ	2.1	2.6	23.5	5
A2.94.G	FD42NV	10	11	105	10	A2.94.G	FD42NV	4.4	5.8	51	14
A2.370.G	RZ73BN	14	13	135	10	A2.370.G	RZ73BN	2	2.9	24.5	9
A2.14.G	CB42YG	12	10	110	20	A2.14.G	CB42YG	1.9	2.6	22.5	7
A2.29.G	ED41JT	17	10	135	70	A2.29.G	ED41JT	2	2.3	21.5	3
A2.70.G	TT35DF	12	6	90	60	A2.70.G	TT35DF	2.8	3.3	30.5	5
A2.220.G	HH43PJ	17	14	155	30	A2.220.G	HH43PJ	2.2	3.5	28.5	13
A2.400.G	BG67FJ	14	10	120	40	A2.400.G	BG67FJ	1.9	2.8	23.5	9
A2.74.G	VF73KK	11	10	105	10	A2.74.G	VF73KK	1.9	2.5	22	6

جدول (۲-۳): محاسبه پارامترهای لازم جهت ترسیم دیاگرام خطای آنالیز (ادامه)

Sr						Te					
شماره نمونه اولیه	شماره نمونه تکراری	مقدار اولیه	مقدار تکراری	میانگین	اختلاف	شماره نمونه اولیه	شماره نمونه تکراری	مقدار اولیه	مقدار تکراری	میانگین ×۱۰۰	اختلاف ×۱۰۰
A2.420.G	EA34GH	209	223	216	14	A2.420.G	EA34GH	0	0	0	0
A2.430.G	DB45TH	236	207	221.5	29	A2.430.G	DB45TH	0	0	0	0
A2.118.G	FE46JL	221	182	201.5	39	A2.118.G	FE46JL	0	0	0	0
A2.280.G	EI23BG	144	150	147	6	A2.280.G	EI23BG	0	0	0	0
A2.360.G	BM89MG	232	199	215.5	33	A2.360.G	BM89MG	0	0	0	0
A2.140.G	KK45ER	179	158	168.5	21	A2.140.G	KK45ER	0	0	0	0
A2.390.G	FF43PM	176	152	164	24	A2.390.G	FF43PM	0	0	0	0
A2.300.G	DR32FS	205	182	193.5	23	A2.300.G	DR32FS	0	0	0	0
A2.210.G	SF98HT	104	150	127	46	A2.210.G	SF98HT	0	0	0	0
A2.410.G	WW54BI	170	155	162.5	15	A2.410.G	WW54BI	0	0	0	0
A2.380.G	ZN57BB	221	207	214	14	A2.380.G	ZN57BB	0	0	0	0
A2.130.G	BM12LM	217	205	211	12	A2.130.G	BM12LM	0.2	0	10	20
A2.440.G	BC48EF	242	258	250	16	A2.440.G	BC48EF	0	0	0	0
A2.136.G	FR23TS	335	291	313	44	A2.136.G	FR23TS	0	0	0	0
A2.310.G	BB53FD	213	191	202	22	A2.310.G	BB53FD	0	0	0	0
A2.290.G	CC44BR	175	158	166.5	17	A2.290.G	CC44BR	0	0	0	0
A2.106.G	DK29JG	221	187	204	34	A2.106.G	DK29JG	0	0	0	0
A2.250.G	ST66EH	212	183	197.5	29	A2.250.G	ST66EH	0	0	0	0
A2.35.G	ZW52MF	403	266	334.5	137	A2.35.G	ZW52MF	0	0	0	0
A2.148.G	RS84TF	130	129	129.5	1	A2.148.G	RS84TF	0	0	0	0
A2.260.G	MN47RI	232	189	210.5	43	A2.260.G	MN47RI	0	0	0	0
A2.112.G	DV38GJ	311	237	274	74	A2.112.G	DV38GJ	0	0	0	0
A2.94.G	FD42NV	361	383	372	22	A2.94.G	FD42NV	0	0	0	0
A2.370.G	RZ73BN	195	173	184	22	A2.370.G	RZ73BN	0	0	0	0
A2.14.G	CB42YG	337	300	318.5	37	A2.14.G	CB42YG	0	0	0	0
A2.29.G	ED41JT	515	346	430.5	169	A2.29.G	ED41JT	0	0	0	0
A2.70.G	TT35DF	351	297	324	54	A2.70.G	TT35DF	0	0	0	0
A2.220.G	HH43PJ	110	135	122.5	25	A2.220.G	HH43PJ	0	0	0	0
A2.400.G	BG67FJ	230	191	210.5	39	A2.400.G	BG67FJ	0	0	0	0
A2.74.G	VF73KK	404	344	374	60	A2.74.G	VF73KK	0	0	0	0

جدول (۲-۳): محاسبه پارامترهای لازم جهت ترسیم دیاگرام خطای آنالیز (ادامه)

Th						Ti				
شماره نمونه اولیه	شماره نمونه تکراری	مقدار اولیه	مقدار تکراری	میانگین ×۱۰	اختلاف ×۱۰	شماره نمونه اولیه	شماره نمونه تکراری	مقدار اولیه	مقدار تکراری	میانگین /۱۰	اختلاف /۱۰
A2.420.G	EA34GH	8.07	9.62	88.45	15.5	A2.420.G	EA34GH	2560	3150	285.5	59
A2.430.G	DB45TH	7.78	7.96	78.7	1.8	A2.430.G	DB45TH	3540	3240	339	30
A2.118.G	FE46JL	9.56	11.4	104.8	18.4	A2.118.G	FE46JL	4310	3820	406.5	49
A2.280.G	EI23BG	7.99	9.44	87.15	14.5	A2.280.G	EI23BG	3810	3910	386	10
A2.360.G	BM89MG	9.82	9.06	94.4	7.6	A2.360.G	BM89MG	4320	3750	403.5	57
A2.140.G	KK45ER	11	10.3	106.5	7	A2.140.G	KK45ER	5710	4130	492	158
A2.390.G	FF43PM	9.28	8.97	91.25	3.1	A2.390.G	FF43PM	3770	3870	382	10
A2.300.G	DR32FS	10.3	9.91	101.05	3.9	A2.300.G	DR32FS	3650	3360	350.5	29
A2.210.G	SF98HT	10.5	9.99	102.45	5.1	A2.210.G	SF98HT	4180	4740	446	56
A2.410.G	WW54BI	9.4	10.8	101	14	A2.410.G	WW54BI	3750	4120	393.5	37
A2.380.G	ZN57BB	13.8	14.7	142.5	9	A2.380.G	ZN57BB	3400	3630	351.5	23
A2.130.G	BM12LM	7.86	8.54	82	6.8	A2.130.G	BM12LM	3470	3460	346.5	1
A2.440.G	BC48EF	7.08	9.77	84.25	26.9	A2.440.G	BC48EF	3410	3620	351.5	21
A2.136.G	FR23TS	8.02	6.72	73.7	13	A2.136.G	FR23TS	4050	3130	359	92
A2.310.G	BB53FD	11.7	10.9	113	8	A2.310.G	BB53FD	3870	3520	369.5	35
A2.290.G	CC44BR	10.9	10.5	107	4	A2.290.G	CC44BR	3880	3510	369.5	37
A2.106.G	DK29JG	8.9	9.67	92.85	7.7	A2.106.G	DK29JG	4340	3560	395	78
A2.250.G	ST66EH	9.43	8.91	91.7	5.2	A2.250.G	ST66EH	4050	3760	390.5	29
A2.35.G	ZW52MF	7.54	6.83	71.85	7.1	A2.35.G	ZW52MF	4150	2430	329	172
A2.148.G	RS84TF	8.9	10.8	98.5	19	A2.148.G	RS84TF	5970	4440	520.5	153
A2.260.G	MN47RI	15	15	150	0	A2.260.G	MN47RI	4510	3890	420	62
A2.112.G	DV38GJ	7.92	8.17	80.45	2.5	A2.112.G	DV38GJ	3940	3230	358.5	71
A2.94.G	FD42NV	8.06	8.06	80.6	0	A2.94.G	FD42NV	2790	3130	296	34
A2.370.G	RZ73BN	9.74	10.5	101.2	7.6	A2.370.G	RZ73BN	3560	3420	349	14
A2.14.G	CB42YG	8.37	8.56	84.65	1.9	A2.14.G	CB42YG	3410	2570	299	84
A2.29.G	ED41JT	9.31	9.25	92.8	0.6	A2.29.G	ED41JT	4980	2690	383.5	229
A2.70.G	TT35DF	8.28	5.63	69.55	26.5	A2.70.G	TT35DF	3590	2840	321.5	75
A2.220.G	HH43PJ	11.1	11.6	113.5	5	A2.220.G	HH43PJ	4080	4540	431	46
A2.400.G	BG67FJ	11.3	10.3	108	10	A2.400.G	BG67FJ	3170	3360	326.5	19
A2.74.G	VF73KK	9.98	9.37	96.75	6.1	A2.74.G	VF73KK	3200	2650	292.5	55

جدول (۲-۳): محاسبه پارامترهای لازم جهت ترسیم دیاگرام خطای آنالیز (ادامه)

U						Tl					
شماره نمونه اولیه	شماره نمونه تکراری	مقدار اولیه	مقدار تکراری	میانگین ×۱۰۰	اختلاف ×۱۰۰	شماره نمونه اولیه	شماره نمونه تکراری	مقدار اولیه	مقدار تکراری	میانگین ×۱۰۰	اختلاف ×۱۰۰
A2.420.G	EA34GH	1.06	1.41	123.5	35	A2.420.G	EA34GH	0.3	0.4	3.5	1
A2.430.G	DB45TH	1.38	1.43	140.5	5	A2.430.G	DB45TH	0.4	0.4	4	0
A2.118.G	FE46JL	1.56	1.69	162.5	13	A2.118.G	FE46JL	0.5	0.6	5.5	1
A2.280.G	EI23BG	1.4	1.56	148	16	A2.280.G	EI23BG	0.5	0.5	5	0
A2.360.G	BM89MG	1.8	1.66	173	14	A2.360.G	BM89MG	0.5	0.5	5	0
A2.140.G	KK45ER	1.73	1.6	166.5	13	A2.140.G	KK45ER	0.6	0.5	5.5	1
A2.390.G	FF43PM	1.33	1.38	135.5	5	A2.390.G	FF43PM	0.5	0.4	4.5	1
A2.300.G	DR32FS	1.47	1.43	145	4	A2.300.G	DR32FS	0.4	0.4	4	0
A2.210.G	SF98HT	1.59	1.5	154.5	9	A2.210.G	SF98HT	0.5	0.5	5	0
A2.410.G	WW54BI	1.59	1.66	162.5	7	A2.410.G	WW54BI	0.6	0.6	6	0
A2.380.G	ZN57BB	1.35	1.49	142	14	A2.380.G	ZN57BB	0.4	0.4	4	0
A2.130.G	BM12LM	1.55	1.63	159	8	A2.130.G	BM12LM	0.5	0.4	4.5	1
A2.440.G	BC48EF	1.33	1.56	144.5	23	A2.440.G	BC48EF	0.5	0.5	5	0
A2.136.G	FR23TS	1.36	1.11	123.5	25	A2.136.G	FR23TS	0.4	0.3	3.5	1
A2.310.G	BB53FD	1.48	1.45	146.5	3	A2.310.G	BB53FD	0.5	0.5	5	0
A2.290.G	CC44BR	1.55	1.47	151	8	A2.290.G	CC44BR	0.5	0.5	5	0
A2.106.G	DK29JG	1.6	1.54	157	6	A2.106.G	DK29JG	0.5	0.5	5	0
A2.250.G	ST66EH	1.56	1.42	149	14	A2.250.G	ST66EH	0.5	0.5	5	0
A2.35.G	ZW52MF	1.46	1.04	125	42	A2.35.G	ZW52MF	0.4	0.3	3.5	1
A2.148.G	RS84TF	1.64	1.74	169	10	A2.148.G	RS84TF	0.5	0.5	5	0
A2.260.G	MN47RI	1.66	1.5	158	16	A2.260.G	MN47RI	0.5	0.5	5	0
A2.112.G	DV38GJ	1.62	1.47	154.5	15	A2.112.G	DV38GJ	0.5	0.4	4.5	1
A2.94.G	FD42NV	1.73	1.48	160.5	25	A2.94.G	FD42NV	0.4	0.4	4	0
A2.370.G	RZ73BN	1.32	1.42	137	10	A2.370.G	RZ73BN	0.4	0.4	4	0
A2.14.G	CB42YG	1.41	1.32	136.5	9	A2.14.G	CB42YG	0.4	0.4	4	0
A2.29.G	ED41JT	1.7	1.41	155.5	29	A2.29.G	ED41JT	0.5	0.4	4.5	1
A2.70.G	TT35DF	1.52	1.16	134	36	A2.70.G	TT35DF	0.5	0.4	4.5	1
A2.220.G	HH43PJ	1.78	1.81	179.5	3	A2.220.G	HH43PJ	0.5	0.5	5	0
A2.400.G	BG67FJ	1.26	1.29	127.5	3	A2.400.G	BG67FJ	0.5	0.4	4.5	1
A2.74.G	VF73KK	1.5	1.3	140	20	A2.74.G	VF73KK	0.4	0.4	4	0

جدول (۲–۳): محاسبه پارامترهای لازم جهت ترسیم دیاگرام خطای آنالیز (ادامه)

W						V					
اختلاف ×۱۰۰	میانگین ×۱۰۰	مقدار تکراری	مقدار اولیه	شماره نمونه تکراری	شماره نمونه اولیه	اختلاف	میانگین	مقدار تکراری	مقدار اولیه	شماره نمونه تکراری	شماره نمونه اولیه
70	85	1.2	0.5	EA34GH	A2.420.G	19	86.5	96	77	EA34GH	A2.420.G
50	95	1.2	0.7	DB45TH	A2.430.G	2	93	94	92	DB45TH	A2.430.G
120	100	1.6	0.4	FE46JL	A2.118.G	11	119.5	114	125	FE46JL	A2.118.G
50	125	1.5	1	EI23BG	A2.280.G	23	131.5	120	143	EI23BG	A2.280.G
10	155	1.5	1.6	BM89MG	A2.360.G	2	106	107	105	BM89MG	A2.360.G
10	155	1.5	1.6	KK45ER	A2.140.G	26	135	122	148	KK45ER	A2.140.G
60	110	1.4	0.8	FF43PM	A2.390.G	2	108	109	107	FF43PM	A2.390.G
60	100	1.3	0.7	DR32FS	A2.300.G	28	113	99	127	DR32FS	A2.300.G
40	120	1.4	1	SF98HT	A2.210.G	5	124.5	127	122	SF98HT	A2.210.G
70	125	1.6	0.9	WW54BI	A2.410.G	8	126	130	122	WW54BI	A2.410.G
10	125	1.3	1.2	ZN57BB	A2.380.G	10	105	110	100	ZN57BB	A2.380.G
10	125	1.3	1.2	BM12LM	A2.130.G	6	97	100	94	BM12LM	A2.130.G
20	140	1.3	1.5	BC48EF	A2.440.G	8	115	119	111	BC48EF	A2.440.G
10	95	0.9	1	FR23TS	A2.136.G	20	103	93	113	FR23TS	A2.136.G
50	105	1.3	0.8	BB53FD	A2.310.G	0	111	111	111	BB53FD	A2.310.G
50	105	1.3	0.8	CC44BR	A2.290.G	36	129	111	147	CC44BR	A2.290.G
50	115	1.4	0.9	DK29JG	A2.106.G	12	123	117	129	DK29JG	A2.106.G
50	175	1.5	2	ST66EH	A2.250.G	8	117	113	121	ST66EH	A2.250.G
30	75	0.9	0.6	ZW52MF	A2.35.G	35	89.5	72	107	ZW52MF	A2.35.G
10	155	1.6	1.5	RS84TF	A2.148.G	15	137.5	130	145	RS84TF	A2.148.G
30	165	1.5	1.8	MN47RI	A2.260.G	18	133	124	142	MN47RI	A2.260.G
70	75	1.1	0.4	DV38GJ	A2.112.G	18	103	94	112	DV38GJ	A2.112.G
40	120	1.4	1	FD42NV	A2.94.G	16	90	98	82	FD42NV	A2.94.G
10	125	1.3	1.2	RZ73BN	A2.370.G	7	106.5	110	103	RZ73BN	A2.370.G
20	90	1	0.8	CB42YG	A2.14.G	6	99	96	102	CB42YG	A2.14.G
40	90	1.1	0.7	ED41JT	A2.29.G	39	107.5	88	127	ED41JT	A2.29.G
50	155	1.3	1.8	TT35DF	A2.70.G	6	91	88	94	TT35DF	A2.70.G
30	145	1.6	1.3	HH43PJ	A2.220.G	5	130.5	133	128	HH43PJ	A2.220.G
60	90	1.2	0.6	BG67FJ	A2.400.G	1	104.5	105	104	BG67FJ	A2.400.G
70	145	1.1	1.8	VF73KK	A2.74.G	2	83	82	84	VF73KK	A2.74.G

جدول (۲-۳): محاسبه پارامترهای لازم جهت ترسیم دیاگرام خطای آنالیز (ادامه)

Zn					Y				
شماره نمونه اولیه	شماره نمونه تکراری	مقدار اولیه	مقدار تکراری	میانگین ×۱۰	اختلاف ×۱۰	شماره نمونه اولیه	شماره نمونه تکراری	مقدار اولیه	مقدار تکراری	میانگین	اختلاف
A2.420.G	EA34GH	77.5	95.2	86.35	17.7	A2.420.G	EA34GH	15.4	19.8	176	44
A2.430.G	DB45TH	89.5	95.4	92.45	5.9	A2.430.G	DB45TH	18.2	20.4	193	22
A2.118.G	FE46JL	104	120	112	16	A2.118.G	FE46JL	16.8	23.5	201.5	67
A2.280.G	EI23BG	121	127	124	6	A2.280.G	EI23BG	16.5	18.6	175.5	21
A2.360.G	BM89MG	92.7	92.5	92.6	0.2	A2.360.G	BM89MG	16.9	20.4	186.5	35
A2.140.G	KK45ER	130	122	126	8	A2.140.G	KK45ER	23.3	23.7	235	4
A2.390.G	FF43PM	104	111	107.5	7	A2.390.G	FF43PM	20.2	21	206	8
A2.300.G	DR32FS	111	106	108.5	5	A2.300.G	DR32FS	20.9	21	209.5	1
A2.210.G	SF98HT	120	118	119	2	A2.210.G	SF98HT	20.1	21.9	210	18
A2.410.G	WW54BI	120	128	124	8	A2.410.G	WW54BI	21.6	24.1	228.5	25
A2.380.G	ZN57BB	108	115	111.5	7	A2.380.G	ZN57BB	17.8	23.1	204.5	53
A2.130.G	BM12LM	79.2	82.8	81	3.6	A2.130.G	BM12LM	15.7	20.4	180.5	47
A2.440.G	BC48EF	99.5	105	102.25	5.5	A2.440.G	BC48EF	16.6	20.9	187.5	43
A2.136.G	FR23TS	76.7	56.4	66.55	20.3	A2.136.G	FR23TS	16.6	14.4	155	22
A2.310.G	BB53FD	112	118	115	6	A2.310.G	BB53FD	18.7	21.8	202.5	31
A2.290.G	CC44BR	126	109	117.5	17	A2.290.G	CC44BR	23	21.7	223.5	13
A2.106.G	DK29JG	108	113	110.5	5	A2.106.G	DK29JG	15.7	19.3	175	36
A2.250.G	ST66EH	119	114	116.5	5	A2.250.G	ST66EH	17.3	20.4	188.5	31
A2.35.G	ZW52MF	89.1	67	78.05	22.1	A2.35.G	ZW52MF	15.8	15.5	156.5	3
A2.148.G	RS84TF	112	122	117	10	A2.148.G	RS84TF	17.9	26	219.5	81
A2.260.G	MN47RI	158	146	152	12	A2.260.G	MN47RI	19.2	23.4	213	42
A2.112.G	DV38GJ	89.8	89.9	89.85	0.1	A2.112.G	DV38GJ	15.6	18.5	170.5	29
A2.94.G	FD42NV	122	118	120	4	A2.94.G	FD42NV	15.3	17.3	163	20
A2.370.G	RZ73BN	108	116	112	8	A2.370.G	RZ73BN	17	21	190	40
A2.14.G	CB42YG	100	97	98.5	3	A2.14.G	CB42YG	15.3	18	166.5	27
A2.29.G	ED41JT	92.4	80.2	86.3	12.2	A2.29.G	ED41JT	17.8	19.5	186.5	17
A2.70.G	TT35DF	102	90.9	96.45	11.1	A2.70.G	TT35DF	16.6	14.6	156	20
A2.220.G	HH43PJ	134	133	133.5	1	A2.220.G	HH43PJ	20.3	23.2	217.5	29
A2.400.G	BG67FJ	109	104	106.5	5	A2.400.G	BG67FJ	18.9	20	194.5	11
A2.74.G	VF73KK	96.5	77.9	87.2	18.6	A2.74.G	VF73KK	18.1	20	190.5	19

جدول (۲–۳): محاسبه پارامترهای لازم جهت ترسیم دیاگرام خطای آنالیز (ادامه)

Zr						
شماره نمونه اولیه	شماره نمونه تکراری	مقدار اولیه	مقدار تکراری	میانگین	اختلاف
A2.420.G	EA34GH	57	61	59	4
A2.430.G	DB45TH	77	73	75	4
A2.118.G	FE46JL	80	87	83.5	7
A2.280.G	EI23BG	65	87	76	22
A2.360.G	BM89MG	85	85	85	0
A2.140.G	KK45ER	74	89	81.5	15
A2.390.G	FF43PM	75	81	78	6
A2.300.G	DR32FS	67	67	67	0
A2.210.G	SF98HT	62	87	74.5	25
A2.410.G	WW54BI	86	93	89.5	7
A2.380.G	ZN57BB	81	79	80	2
A2.130.G	BM12LM	74	78	76	4
A2.440.G	BC48EF	75	86	80.5	11
A2.136.G	FR23TS	65	70	67.5	5
A2.310.G	BB53FD	86	81	83.5	5
A2.290.G	CC44BR	69	79	74	10
A2.106.G	DK29JG	85	77	81	8
A2.250.G	ST66EH	83	70	76.5	13
A2.35.G	ZW52MF	74	56	65	18
A2.148.G	RS84TF	81	89	85	8
A2.260.G	MN47RI	95	88	91.5	7
A2.112.G	DV38GJ	86	72	79	14
A2.94.G	FD42NV	60	71	65.5	11
A2.370.G	RZ73BN	85	82	83.5	3
A2.14.G	CB42YG	65	66	65.5	1
A2.29.G	ED41JT	83	60	71.5	23
A2.70.G	TT35DF	66	55	60.5	11
A2.220.G	HH43PJ	71	90	80.5	19
A2.400.G	BG67FJ	62	64	63	2
A2.74.G	VF73KK	62	65	63.5	3

جدول (۳-۱): شماره و مختصات محل نمونه های کانی سنگین برداشت شده

Row	Serial Number	Coordinate(UTM WGS84)		Row	Serial Number	Coordinate(UTM WGS84)		Row	Serial Number	Coordinate(UTM WGS84)	
		X	Y			X	Y			X	Y
1	A2-1-H	370918.74	3771122.4	31	A2-78-H	376362.6	3768423.2	61	A2-142-H	384554.79	3765542.4
2	A2-2-H	371018.11	3771187.2	32	A2-80-H	376610.7	3768370.6	62	A2-144-H	384575.01	3765258.1
3	A2-3-H	370936.27	3771981.4	33	A2-82-H	376959.33	3768565.3	63	A2-150-H	383772.58	3764046.3
4	A2-4-H	370884.08	3772330	34	A2-86-H	377718.34	3768322.4	64	A2-151-H	383689.76	3764014.4
5	A2-5-H	371664.73	3772984.4	35	A2-87-H	376885.56	3769019.9	65	A2-155-H	372848.46	3773475
6	A2-16-H	384238.71	3770042.6	36	A2-91-H	375300.49	3769707.8	66	A2-156-H	372233.06	3773642.3
7	A2-17-H	384241.67	3770550	37	A2-92-H	376335.64	3773427.6	67	A2-157-H	372317.11	3773577
8	A2-20-H	383463.66	3770430.2	38	A2-94-H	375084.94	3771602.6	68	A2-158-H	370746.93	3773294.5
9	A2-23-H	382929.49	3770214.1	39	A2-95-H	374931.39	3772054.9	69	A2-159-H	371056.33	3773657
10	A2-25-H	382784.72	3769951.1	40	A2-98-H	375005.24	3772915.1	70	A2-160-H	371038.86	3774110.7
11	A2-26-H	372922.12	3765549.7	41	A2-99-H	375081.66	3772920.8	71	A2-161-H	371324.59	3774494.7
12	A2-28-H	373574.4	3766108.4	42	A2-100-H	376163.35	3772109.1	72	A2-162-H	371302.91	3774609.9
13	A2-29-H	373528.61	3766124.3	43	A2-104-H	375049.43	3774250.7	73	A2-163-H	371295.65	3774762.3
14	A2-33-H	374408.61	3766431.3	44	A2-107-H	375412.19	3774020.4	74	A2-178-H	378645.79	3766508.9
15	A2-35-H	374377.83	3766619.3	45	A2-110-H	377427.09	3764478.5	75	A2-179-H	378071.44	3766422.5
16	A2-36-H	374769.46	3766601.9	46	A2-111-H	377148.58	3764592.5	76	A2-180-H	378059.97	3766339.4
17	A2-37-H	374729.32	3766667.1	47	A2-112-H	377137.41	3764643.8	77	A2-181-H	377594.68	3766683.7
18	A2-45-H	375858.07	3774371.6	48	A2-114-H	376700.13	3764752.1	78	A2-182-H	376133.74	3766468.3
19	A2-47-H	375872.67	3775000.4	49	A2-115-H	376306.23	3764996.8	79	A2-183-H	377122	3766121.9
20	A2-50-H	374254.01	3774721.2	50	A2-119-H	378340.36	3765090.1	80	A2-184-H	376907.77	3765762.2
21	A2-51-H	374260.43	3774773.3	51	A2-120-H	378992.91	3765436.3	81	A2-185-H	377032.51	3765595.8
22	A2-54-H	373759.87	3774911.4	52	A2-123-H	378258.51	3765120.6	82	A2-186-H	375866.38	3765264.5
23	A2-57-H	373257.43	3774745.9	53	A2-125-H	377671.18	3764628.1	83	A2-187-H	375918.66	3766177.6
24	A2-58-H	374644.96	3772823.9	54	A2-126-H	377614.35	3764511.6	84	A2-188-H	375628.84	3765958.8
25	A2-59-H	374396.42	3772791	55	A2-129-H	377667.67	3764570.2	85	A2-207-H	381605.18	3766561.7
26	A2-60-H	374284.62	3772535	56	A2-130-H	375737.71	3765080.1	86	A2-208-H	381717.53	3766513.7
27	A2-69-H	375129.67	3769152.3	57	A2-133-H	375791.72	3765111.7	87	A2-209-H	382005.7	3766117.5
28	A2-70-H	375224.68	3769238.9	58	A2-134-H	375445.34	3765130.5	88	A2-210-H	382096.01	3766201.4
29	A2-76-H	376148.5	3768143	59	A2-138-H	384574.2	3766139.4	89	A2-212-H	382684.53	3765999.5
30	A2-77-H	376217.32	3768133	60	A2-139-H	384289.03	3766067.8	90	A2-215-H	382301.14	3765432.7

جدول (۳-۱): شماره و مختصات محل نمونه های کانی سنگین برداشت شده(ادامه)

Row	Serial Number	Coordinate(UTM WGS84)		Row	Serial Number	Coordinate(UTM WGS84)		Row	Serial Number	Coordinate(UTM WGS84)	
		X	Y			X	Y			X	Y
91	A2-219-H	382831.18	3765015.7	121	A2-289-H	381585.08	3765752.2	151	A2-367-H	374783	3763816
92	A2-222-H	373780.85	3765530.3	122	A2-290-H	381304.61	3767184.8	152	A2-370-H	379696.61	3766994
93	A2-226-H	372386.68	3766118.7	123	A2-291-H	380503.05	3767652.8	153	A2-374-H	379574.62	3767886.1
94	A2-228-H	372805.88	3767086.8	124	A2-292-H	380346.62	3767629.4	154	A2-376-H	380012.13	3768034
95	A2-232-H	373856.6	3764909.5	125	A2-293-H	380757.48	3767282.2	155	A2-378-H	380389.64	3767969.4
96	A2-234-H	373118.39	3767412.5	126	A2-294-H	380181.96	3766803.7	156	A2-382-H	379307.11	3768184.2
97	A2-237-H	374124.32	3768170.2	127	A2-298-H	381539.54	3765828.9	157	A2-384-H	384633.3	3768963.6
98	A2-241-H	374304.52	3768284.9	128	A2-310-H	381225.79	3770242.2	158	A2-385-H	384625.57	3768787.1
99	A2-242-H	374388.6	3768800.7	129	A2-311-H	381268.18	3770161.8	159	A2-389-H	382745.63	3769034.6
100	A2-245-H	379515.15	3763962.2	130	A2-317-H	382027.86	3769179.5	160	A2-393-H	382784.11	3768401.5
101	A2-246-H	380074.77	3765084.9	131	A2-318-H	381867.44	3769044	161	A2-394-H	382568.65	3768406.5
102	A2-247-H	380132.91	3765026.5	132	A2-319-H	381732.98	3769124.1	162	A2-399-H	382290.57	3768049.7
103	A2-249-H	379926.38	3764532.1	133	A2-321-H	381131.01	3769092.3	163	A2-400-H	382205	3768242
104	A2-252-H	380507.76	3764430.9	134	A2-322-H	380976.3	3769165	164	A2-412-H	376662.67	3770390
105	A2-254-H	380473.79	3764018.9	135	A2-325-H	381392.63	3768794.2	165	A2-414-H	375771.34	3769915.3
106	A2-257-H	381655.33	3764006.4	136	A2-328-H	381595.03	3768501.5	166	A2-419-H	376742.87	3769600.7
107	A2-260-H	380973.17	3764040.4	137	A2-329-H	382335.59	3769347.9	167	A2-420-H	378407.95	3769535.5
108	A2-262-H	381171.76	3764373	138	A2-330-H	382456.93	3769392.4	168	A2-422-H	378327.66	3769580
109	A2-263-H	372991.4	3770755.8	139	A2-332-H	383089.23	3768158.9	169	A2-423-H	379553.46	3770387.3
110	A2-264-H	372667.74	3770704.9	140	A2-334-H	383352.76	3768088.7	170	A2-424-H	379821.51	3769935.1
111	A2-268-H	372896.56	3770060.9	141	A2-335-H	383358.45	3767953.3	171	A2-425-H	379023.12	3769845.1
112	A2-269-H	372833.84	3770031.6	142	A2-342-H	383369.14	3767186.6	172	A2-426-H	378814.88	3769128.2
113	A2-272-H	372514.98	3769400.8	143	A2-343-H	383400.67	3767157.2	173	A2-427-H	378629.75	3769130.8
114	A2-274-H	371961.57	3769739.1	144	A2-346-H	382792.1	3767865.6	174	A2-428-H	378796.3	3768826.6
115	A2-275-H	371718.05	3769563.8	145	A2-347-H	382822.6	3767842.9	175	A2-429-H	378934.74	3768653.6
116	A2-276-H	371731.93	3769517.6	146	A2-351-H	371525.21	3766940.8	176	A2-430-H1	379038.68	3768363.3
117	A2-280-H	372329.58	3768881.3	147	A2-353-H	378506.16	3764306				
118	A2-281-H	371961.6	3768206.8	148	A2-354-H	378094.53	3764192.2				
119	A2-286-H	371123.74	3768018.5	149	A2-361-H	374754.88	3764668.6				
120	A2-288-H	381498.95	3766102.2	150	A2-364-H	372122.08	3767470.9				

جدول (۳-۲): نتایج آنالیز نمونه های کانی سنگین برداشت شده

SAM.NO.	A2-1-H	A2-2-H	A2-3-H	A2-4-H	A2-5-H	A2-16-H	A2-17-H	A2-20-H	A2-23-H	A2-25-H	A2-26-H	A2-28-H	A2-29-H	A2-33-H	A2-35-H
T.V. (cc) (A)	3000	3500	3500	3500	2500	3000	3000	2500	2500	3000	3000	3500	3000	3000	2500
P.V. (cc) (B)	15	15	16	15	10	12	14	22	10	10	17	15	23	20	19
S.V. (cc) (C)	15	15	16	15	10	12	14	12	10	10	17	15	23	20	19
H.V. (cc) (Y)	2	2.4	3	1.4	0.5	1.2	2	5.3	1	0.5	5	7	6.2	9	7.4
ALT.SIL.	144.00	148.11	236.06	172.80	64.80	108.00	180.00	629.64	108.00	36.00	270.00	432.00	446.40	631.80	959.04
AMPHIBOL	PTS	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ANATASE	PTS	0.00	PTS	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ANDALUSITE	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
AZORITE	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
APATITE	0.00	0.00	0.27	0.00	0.00	0.00	0.00	0.00	PTS	0.00	0.00	0.00	0.00	0.00	0.00
BARITE	PTS	PTS	PTS	PTS	0.00	0.00	0.00	PTS	PTS	0.00	PTS	PTS	PTS	1.35	PTS
BORNITE	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BIOTITE	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
AMETYSTE	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CALCITE	0.18	PTS	PTS	0.11	PTS	PTS	PTS	1.05	0.11	PTS	0.45	0.54	0.56	81.00	0.80
CELESTINE	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CHAMOSITE	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CHALCOPYRITE	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CHROMITE	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CHLORITE	0.00	0.00	PTS	PTS	PTS	0.00	0.00	PTS	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CINNABAR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CERUSSITE	PTS	PTS	PTS	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
COPPER	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ELECTROM	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
EPIDOTS	0.00	0.00	0.00	0.00	0.00	0.00	0.00	PTS	0.00	0.00	0.00	0.00	0.00	0.00	0.00
FELDSPAR	0.18	0.19	0.23	PTS	PTS	0.00	PTS	1.05	0.11	0.00	0.45	0.54	0.56	40.50	0.80
FLOURITE	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
GAHENITE	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
GALENA	PTS	PTS	PTS	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
GARNET	PTS	PTS	0.00	0.00	0.00	0.00	PTS	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
GOLD	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	PTS	0.00	0.00	0.00	0.00	0.00	0.00
GOETHITE	PTS	6.03	7.54	PTS	PTS	PTS	PTS	2052.16	PTS	PTS	0.00	PTS	PTS	PTS	PTS
HEMATITE	424.00	290.74	181.71	42.40	21.20	296.80	494.67	2471.92	254.40	106.00	353.33	1696.00	1533.47	604.20	627.52
HEMIMORPHITE	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
HORNBLEND	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ILMENITE	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
KIANITE	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	PTS	0.00	0.00	0.00	0.00	0.00	0.00
LEUCOXENE	0.00	0.00	PTS	0.00	0.00	0.00	0.00	1.36	PTS	0.00	PTS	PTS	0.00	PTS	0.00
LIMONITE	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
MAGNETITE	0.35	0.36	80.23	0.21	PTS	PTS	PTS	282.95	0.21	PTS	0.87	1.04	1.07	1.56	1.54
MALACHITE	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
MARTITE	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
MASSICOT	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
MONAZITE	0.00	0.00	0.00	0.00	0.00	280.00	400.00	38.87	40.00	PTS	1000.00	400.00	413.33	1140.00	1480.00
MOSCOVITE	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
NATIVE COPPER	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	PTS	0.00	0.00	0.00	0.00	0.00	0.00
NATIVE LEAD	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
PHOSPHORITE	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
PYROLUSITE	0.00	0.00	164.57	3.84	0.00	0.00	PTS	1119.36	7.68	PTS	PTS	PTS	PTS	27.07	28.42
PYRITE	PTS	PTS	0.00	PTS	0.00	0.00	PTS	PTS	PTS	PTS	0.00	0.00	PTS	0.00	PTS
PYRITE LIMONITE	PTS	PTS	0.00	0.00	0.00	0.00	0.00	PTS	0.00	0.00	0.00	0.00	0.00	0.00	0.00
PYRITE(OXIDE)	533.33	685.71	942.86	360.00	240.00	80.00	133.33	3109.33	320.00	133.33	1500.00	1200.00	1446.67	2280.00	2072.00
PYROXENES	PTS	0.00	0.00	0.00	0.00	0.00	0.00	PTS	0.00	0.00	0.00	0.00	0.00	0.00	0.00
RUTILE	0.00	0.00	PTS	0.00	0.00	0.00	0.00	PTS	PTS	0.00	0.00	PTS	PTS	0.00	0.00
SAPHIRE	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.55	PTS	0.00	0.00	0.00	0.00	0.00	0.00
SCHEELITE	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SERICITE	74.67	76.80	4.80	44.80	22.40	0.00	0.00	0.00	0.00	18.67	0.00	0.00	0.00	0.00	0.00
SMITHSONITE	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SPHENE	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SPINEL	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ZIRCON	PTS	0.00	PTS	PTS	0.00	0.00	0.00	PTS	PTS	0.00	0.00	0.00	PTS	PTS	0.00

جدول (۳–۲): نتایج آنالیز نمونه های کانی سنگین برداشت شده (ادامه)

SAM.NO.	A2-36-H	A2-37-H	A2-45-H	A2-47-H	A2-50-H	A2-51-H	A2-54-H	A2-57-H	A2-58-H	A2-59-H	A2-60-H	A2-69-H	A2-70-H	A2-76-H	A2-77-H
T.V. (cc) (A)	3000	3500	3500	3000	3000	2500	3500	3500	2500	3000	3000	3000	2500	2500	2500
P.V. (cc) (B)	22	20	18	15	15	14	10	15	12	12	14	14	14	17	12
S.V. (cc) (C)	22	20	18	15	15	14	10	15	12	12	14	14	14	17	12
H.V. (cc) (Y)	7	10	11	10.5	2.2	1	2	3	1.2	1	1.4	5.4	1.4	2	1
ALT.SIL.	504.00	462.86	186.69	774.90	201.96	6.48	185.14	324.00	311.04	198.00	252.00	563.76	241.92	388.80	302.40
AMPHIBOL	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ANATASE	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ANDALUSITE	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
AZORITE	0.00	0.00	0.00	0.00	0.00	PTS	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
APATITE	0.00	0.00	0.00	0.00	0.00	PTS	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BARITE	PTS	0.00	1.41	PTS	PTS	PTS	PTS	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BORNITE	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BIOTITE	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
AMETYSTE	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CALCITE	0.63	0.77	8.49	0.95	0.20	PTS	PTS	PTS	PTS	PTS	0.13	19.44	0.15	0.22	PTS
CELESTINE	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CHAMOSITE	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CHALCOPYRITE	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CHROMITE	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CHLORITE	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CINNABAR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CERUSSITE	0.00	0.00	81.71	0.00	0.48	PTS	PTS	0.00	PTS	0.00	0.00	0.00	PTS	0.00	0.00
COPPER	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ELECTROM	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
EPIDOTS	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
FELDSPAR	0.63	0.77	PTS	0.95	PTS	PTS	PTS	PTS	PTS	PTS	PTS	29.16	PTS	PTS	PTS
FLOURITE	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
GAHENITE	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
GALENA	0.00	0.00	70.71	0.00	0.55	PTS	PTS	0.00	PTS	0.00	0.00	0.00	PTS	0.00	0.00
GARNET	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
GOLD	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
GOETHITE	0.00	0.00	PTS	PTS	PTS	PTS	PTS	PTS	PTS	PTS	PTS	150.48	98.56	140.80	PTS
HEMATITE	1484.00	1817.14	666.29	37.10	7.77	4.24	6.06	9.09	5.09	3.53	98.93	362.52	356.16	254.40	169.60
HEMIMORPHITE	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
HORNBLEND	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ILMENITE	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
KIANITE	0.00	0.00	PTS	0.00	0.00	0.00	PTS	0.00	PTS	0.00	0.00	0.00	0.00	0.00	0.00
LEUCOXENE	PTS	0.00	PTS	PTS	0.00	0.00	0.00	0.00	0.00	0.00	PTS	0.00	0.00	0.00	0.00
LIMONITE	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
MAGNETITE	1.21	1.49	294.17	327.60	68.64	PTS	PTS	PTS	0.25	PTS	0.24	93.60	0.29	0.42	PTS
MALACHITE	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
MARTITE	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
MASSICOT	0.00	0.00	PTS	0.00	PTS	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
MONAZITE	466.67	1142.86	PTS	PTS	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
MOSCOVITE	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
NATIVE COPPER	0.00	0.00	328.11	0.00	PTS	PTS	PTS	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
NATIVE LEAD	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
PHOSPHORITE	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
PYROLUSITE	PTS	PTS	PTS	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
PYRITE	0.00	0.00	PTS	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.90	0.00	PTS	PTS
PYRITE LIMONITE	0.00	0.00	55.31	PTS	64.53	1.76	100.57	PTS	PTS	PTS	PTS	30.10	PTS	PTS	0.00
PYRITE(OXIDE)	1400.00	2000.00	4714.29	5600.00	1026.67	24.00	685.71	1114.29	384.00	300.00	373.33	1368.00	224.00	480.00	80.00
PYROXENES	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	PTS	0.00	0.00
RUTILE	PTS	PTS	0.00	PTS	0.00	0.00	PTS	PTS	0.00	0.00	0.00	0.00	PTS	0.00	0.00
SAPHIRE	0.00	0.00	0.00	PTS	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SCHEELITE	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SERICITE	261.33	16.00	352.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	383.04	PTS	PTS	PTS
SMITHSONITE	0.00	0.00	1.38	0.00	PTS	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SPHENE	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SPINEL	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ZIRCON	PTS	PTS	PTS	PTS	PTS	PTS	PTS	0.00	PTS	0.00	PTS	0.00	0.00	0.00	0.00

جدول (۳–۲): نتایج آنالیز نمونه های کانی سنگین برداشت شده (ادامه)

SAM.NO.	A2-78-H	A2-80-H	A2-82-H	A2-86-H	A2-87-H	A2-91-H	A2-92-H	A2-94-H	A2-95-H	A2-98-H	A2-99-H	A2-100-H	A2-104-H	A2-107-H	A2-110-H
T.V. (cc) (A)	3000	3000	3000	2500	2500	3500	3500	3500	3000	3000	2500	2500	2000	3000	3000
P.V. (cc) (B)	10	10	12	18	14	25	15	20	8	12	14	15	15	18	12
S.V. (cc) (C)	10	10	12	18	14	25	15	20	8	12	14	15	15	18	12
H.V. (cc) (Y)	1.2	1.2	2	2	1.2	6	4.2	4	1.4	1.2	1.4	3	3.2	7	2
ALT.SIL.	43.20	151.20	108.00	259.20	129.60	462.86	440.64	308.57	103.32	172.80	181.44	518.40	691.20	655.20	144.00
AMPHIBOL	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ANATASE	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	PTS	0.00	0.00	0.00
ANDALUSITE	0.00	0.00	0.00	0.00	0.00	0.00	0.00	PTS	PTS	0.00	0.00	PTS	0.00	0.00	0.00
AZORITE	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
APATITE	0.00	0.00	0.00	0.00	0.00	0.00	PTS	PTS	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BARITE	0.00	0.00	0.00	0.00	0.00	0.00	PTS	0.51	PTS	0.00	0.00	0.00	PTS	PTS	0.00
BORNITE	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BIOTITE	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
AMETYSTE	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CALCITE	PTS	PTS	PTS	0.22	0.13	0.46	0.32	0.31	PTS	0.00	0.15	0.32	0.43	0.63	0.18
CELESTINE	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CHAMOSITE	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CHALCOPYRITE	0.00	0.00	0.00	0.00	0.00	0.00	0.00	PTS	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CHROMITE	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CHLORITE	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CINNABAR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CERUSSITE	0.00	0.00	0.00	0.00	0.00	0.00	0.00	PTS	0.00	0.00	0.00	PTS	PTS	0.00	0.00
COPPER	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ELECTROM	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
EPIDOTS	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	PTS	0.00	0.00	0.00
FELDSPAR	PTS	PTS	PTS	PTS	0.13	0.46	0.32	0.31	0.13	0.11	0.15	0.32	0.43	0.63	0.18
FLOURITE	0.00	0.00	0.00	0.00	0.00	0.00	0.00	PTS	0.00	0.00	0.00	0.00	0.00	0.00	0.00
GAHENITE	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
GALENA	0.00	0.00	PTS	0.00	0.00	0.00	0.00	PTS	0.00	0.00	0.00	PTS	PTS	0.00	0.50
GARNET	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
GOLD	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
GOETHITE	211.20	70.40	352.00	70.40	42.24	150.86	9.93	90.51	4.11	0.00	4.93	PTS	PTS	20.53	5.87
HEMATITE	339.20	296.80	424.00	508.80	305.28	636.00	483.36	654.17	98.93	PTS	356.16	483.36	16.96	24.73	141.33
HEMIMORPHITE	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
HORNBLEND	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ILMENITE	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
KIANITE	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	PTS	0.00	0.00	0.00	0.00	0.00
LEUCOXENE	0.00	0.00	0.00	0.00	0.00	0.00	0.00	PTS	PTS	0.00	0.00	0.00	0.00	0.00	0.00
LIMONITE	0.00	0.00	0.00	0.00	0.00	0.00	0.00	PTS	PTS	0.00	0.00	0.00	0.00	0.00	0.00
MAGNETITE	0.21	PTS	PTS	PTS	PTS	89.14	99.84	178.29	43.68	PTS	PTS	74.88	0.83	194.13	PTS
MALACHITE	0.00	0.00	0.00	0.00	0.00	0.00	0.00	PTS	0.00	0.00	0.00	0.00	0.00	0.00	0.00
MARTITE	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
MASSICOT	0.00	0.00	0.00	0.00	0.00	0.00	PTS	0.00	PTS	PTS	0.00	0.00	0.00	0.00	0.00
MONAZITE	0.00	0.00	0.00	0.00	192.00	685.71	11.28	10.29	0.00	0.00	0.00	114.00	0.00	0.00	0.00
MOSCOVITE	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
NATIVE COPPER	0.00	0.00	0.00	0.00	0.00	0.00	0.00	PTS	0.00	0.00	0.00	0.00	0.00	0.00	0.00
NATIVE LEAD	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
PHOSPHORITE	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
PYROLUSITE	0.00	0.00	0.00	PTS	0.00	0.00	0.00	PTS	0.00	0.00	0.00	0.00	0.00	0.00	0.00
PYRITE	PTS	0.00	PTS	0.40	0.24	0.86	PTS	PTS	0.23	0.00	0.00	PTS	0.00	0.00	PTS
PYRITE LIMONITE	0.00	0.00	0.00	0.00	0.00	PTS	PTS	PTS	287.47	0.00	0.00	PTS	140.80	0.00	0.00
PYRITE(OXIDE)	80.00	PTS	266.67	480.00	192.00	1200.00	1026.00	822.86	326.67	400.00	448.00	798.00	1760.00	3033.33	800.00
PYROXENES	0.00	0.00	0.00	0.00	0.00	PTS	PTS	0.00	0.00	0.00	PTS	0.00	0.00	0.00	0.00
RUTILE	PTS	0.00	0.00	0.00	0.00	0.00	PTS	PTS	PTS	0.00	0.00	PTS	0.00	0.00	0.00
SAPHIRE	0.00	0.00	0.00	0.00	0.00	0.00	0.00	PTS	0.00	0.00	0.00	PTS	0.00	0.00	0.00
SCHEELITE	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SERICITE	0.00	89.60	37.33	44.80	2.69	9.60	PTS	PTS	2.61	44.80	PTS	PTS	PTS	261.33	74.67
SMITHSONITE	0.00	0.00	0.00	0.00	0.00	0.00	PTS	PTS	0.00	0.00	0.00	PTS	PTS	0.00	0.00
SPHENE	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SPINEL	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ZIRCON	PTS	PTS	0.00	0.00	0.00	0.00	PTS	PTS	PTS	0.00	PTS	PTS	PTS	PTS	0.00

جدول (۳–۲): نتایج آنالیز نمونه های کانی سنگین برداشت شده (ادامه)

SAM.NO.	A2-111	A2-112-H	A2-114-H	A2-115	A2-119-H	A2-120-H	A2-123-H	A2-125-H	A2-126-H	A2-129-H	A2-130-H	A2-133-H	A2-134-H	A2-138-H	A2-139-H
T.V. (cc) (A)	2500	2500	3000	3000	3500	3500	2500	2500	3000	3000	2500	3000	3000	3000	3000
P.V. (cc) (B)	18	10	15	22	15	15	10	15	15	22	10	12	10	8	12
S.V. (cc) (C)	18	10	15	22	15	15	10	15	15	22	10	12	10	8	12
H.V. (cc) (Y)	8	2	2	7	2.2	3	2.4	4	3.2	3.4	2	1.4	2.4	1	1.2
ALT.SIL.	345.60	388.80	288.00	882.00	339.43	370.29	103.68	345.60	230.40	856.80	4.32	25.20	4.32	36.00	129.60
AMPHIBOL	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	PTS	0.00	0.00	0.00	0.00	0.00
ANATASE	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ANDALUSITE	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
AZORITE	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
APATITE	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BARITE	0.00	PTS	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BORNITE	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BIOTITE	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
AMETYSTE	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CALCITE	0.86	0.22	0.18	0.63	PTS	PTS	PTS	0.43	PTS	PTS	0.22	0.13	0.22	PTS	PTS
CELESTINE	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CHAMOSITE	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CHALCOPYRITE	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CHROMITE	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CHLORITE	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CINNABAR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CERUSSITE	0.00	PTS	0.00	PTS	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
COPPER	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ELECTROM	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
EPIDOTS	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
FELDSPAR	0.86	0.22	0.18	0.63	PTS	PTS	PTS	0.43	PTS	PTS	0.22	0.13	0.22	PTS	PTS
FLOURITE	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
GAHENITE	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
GALENA	0.00	PTS	0.00	PTS	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
GARNET	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
GOLD	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
GOETHITE	28.16	70.40	5.87	20.53	5.53	7.54	PTS	14.08	9.39	9.97	422.40	82.13	140.80	205.33	246.40
HEMATITE	339.20	8.48	7.07	24.73	6.66	9.09	PTS	PTS	PTS	120.13	508.80	148.40	169.60	70.67	84.80
HEMIMORPHITE	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
HORNBLEND	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ILMENITE	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
KIANITE	0.00	PTS	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
LEUCOXENE	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
LIMONITE	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
MAGNETITE	1.66	PTS	PTS	1.21	PTS	PTS	PTS	0.83	PTS	PTS	PTS	PTS	0.42	PTS	PTS
MALACHITE	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
MARTITE	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
MASSICOT	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
MONAZITE	1280.00	0.00	PTS	PTS	PTS	0.00	19.20	320.00	320.00	0.00	0.00	0.00	240.00	3.33	0.00
MOSCOVITE	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
NATIVE COPPER	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
NATIVE LEAD	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
PHOSPHORITE	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
PYROLUSITE	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	326.40	0.00	0.00	0.00	0.00	0.00
PYRITE	PTS	0.00	0.00	0.00	0.00	0.00	0.00	PTS	PTS	0.00	0.00	0.00	PTS	PTS	0.00
PYRITE LIMONITE	PTS	PTS	PTS	PTS	PTS	PTS	0.00	PTS	PTS	PTS	0.00	0.00	PTS	0.00	0.00
PYRITE(OXIDE)	3200.00	800.00	800.00	3033.33	628.57	771.43	48.00	1920.00	1173.33	226.67	640.00	373.33	640.00	200.00	200.00
PYROXENES	0.00	PTS	0.00	0.00	0.00	0.00	0.00	PTS	0.00	PTS	0.00	0.00	0.00	0.00	0.00
RUTILE	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	PTS	0.00	0.00	0.00	0.00
SAPHIRE	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SCHEELITE	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SERICITE	537.60	PTS	3.73	13.07	3.52	144.00	10.75	179.20	119.47	PTS	0.00	156.80	224.00	56.00	2.24
SMITHSONITE	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SPHENE	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SPINEL	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ZIRCON	PTS	0.00	0.00	0.00	0.00	0.00	0.00	PTS	PTS	0.00	PTS	0.00	PTS	0.00	0.00

جدول (۳-۲): نتایج آنالیز نمونه های کانی سنگین برداشت شده (ادامه)

SAM.NO.	A2-142-H	A2-144-H	A2-150-H	A2-151-H	A2-155-H	A2-156-H	A2-157-H	A2-158-H	A2-159-H	A2-160-H	A2-161-H	A2-163-H	A2-162-H	A2-178-H	A2-179-H
T.V. (cc) (A)	2500	2500	2500	3500	2500	2000	3000	3000	3000	3500	3500	2500	2500	3000	3000
P.V. (cc) (B)	10	14	18	10	10	8	10	18	12	10	15	10	14	28	18
S.V. (cc) (C)	10	14	18	10	10	8	10	18	12	10	15	10	14	28	18
H.V. (cc) (Y)	1	1.3	7	2	0.5	0.5	0.5	3.4	2	1	1	0.5	1	4.4	7
ALT.SIL.	43.20	196.56	302.40	123.43	43.20	27.00	0.90	446.76	72.00	1.54	15.43	64.80	43.20	7.92	100.80
AMPHIBOL	0.00	0.00	0.00	0.00	0.00	0.00	0.00	PTS	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ANATASE	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ANDALUSITE	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
AZORITE	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
APATITE	0.00	0.00	0.00	0.00	0.00	0.00	0.00	PTS	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BARITE	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	PTS	0.00	0.00	0.00	0.00	PTS	1.05
BORNITE	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BIOTITE	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
AMETYSTE	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CALCITE	PTS	PTS	PTS	PTS	PTS	PTS	PTS	PTS	0.18	PTS	PTS	PTS	PTS	PTS	0.63
CELESTINE	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CHAMOSITE	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CHALCOPYRITE	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CHROMITE	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CHLORITE	0.00	0.00	0.00	0.00	0.00	PTS	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CINNABAR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CERUSSITE	0.00	0.00	0.00	0.37	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	PTS	91.00
COPPER	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ELECTROM	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
EPIDOTS	0.00	0.00	0.00	0.00	0.00	0.00	0.00	PTS	PTS	0.00	0.00	0.00	0.00	0.00	0.00
FELDSPAR	PTS	PTS	PTS	PTS	0.00	0.00	PTS	0.31	0.18	PTS	PTS	PTS	PTS	PTS	PTS
FLOURITE	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
GAHENITE	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
GALENA	0.00	0.00	0.00	PTS	0.00	PTS	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	105.00
GARNET	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
GOLD	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
GOETHITE	70.40	4.58	PTS	5.03	1.76	PTS	29.33	99.73	234.67	50.29	50.29	1.76	3.52	12.91	20.53
HEMATITE	84.80	5.51	PTS	6.06	2.12	2.65	35.33	120.13	282.67	121.14	212.00	127.20	84.80	621.87	24.73
HEMIMORPHITE	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
HORNBLEND	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ILMENITE	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
KIANITE	0.00	0.00	0.00	0.00	0.00	0.00	PTS	PTS	0.00	0.00	0.00	0.00	0.00	0.00	0.00
LEUCOXENE	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.40	PTS	0.00	0.00	PTS	PTS	0.00	PTS
LIMONITE	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	PTS	PTS	PTS
MAGNETITE	PTS	PTS	PTS	PTS	PTS	PTS	0.09	82.51	0.35	0.15	PTS	PTS	0.21	0.76	60.67
MALACHITE	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
MARTITE	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
MASSICOT	0.00	0.00	0.00	PTS	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	PTS	0.00
MONAZITE	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	586.67	233.33
MOSCOVITE	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
NATIVE COPPER	0.00	0.00	0.00	0.00	0.00	PTS	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
NATIVE LEAD	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
PHOSPHORITE	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
PYROLUSITE	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
PYRITE	0.00	0.00	0.00	0.00	0.00	0.00	0.00	PTS	0.00	0.00	0.00	0.00	0.00	0.00	93.33
PYRITE LIMONITE	PTS	4.58	739.20	5.03	0.00	0.00	58.67	0.00	0.00	150.86	PTS	0.00	140.80	12.91	1026.67
PYRITE(OXIDE)	320.00	676.00	4200.00	914.29	260.00	250.00	166.67	113.33	666.67	228.57	285.71	160.00	480.00	1466.67	2800.00
PYROXENES	0.00	0.00	0.00	0.00	0.00	0.00	0.00	PTS	PTS	PTS	PTS	0.00	0.00	0.00	0.00
RUTILE	0.00	0.00	0.00	0.00	0.00	0.00	PTS	PTS	0.00	0.00	0.00	0.00	0.00	PTS	PTS
SAPHIRE	0.00	0.00	0.00	0.00	0.00	0.00	0.00	PTS	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SCHEELITE	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SERICITE	134.40	PTS	0.00	3.20	33.60	112.00	18.67	634.67	3.73	PTS	0.00	PTS	2.24	164.27	261.33
SMITHSONITE	0.00	0.00	0.00	PTS	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	PTS	1.03
SPHENE	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SPINEL	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ZIRCON	0.00	0.00	0.00	PTS	0.00	0.00	PTS	PTS	PTS	0.00	PTS	0.00	PTS	PTS	PTS

جدول (۳–۲): نتایج آنالیز نمونه های کانی سنگین برداشت شده (ادامه)

SAM.NO.	A2-180-H	A2-181-H	A2-182-H	A2-183-H	A2-184-H	A2-185-H	A2-186-H	A2-187-H	A2-188-H	A2-207-H	A2-208-H	A2-209-H	A2-210-H	A2-212-H	A2-215-H
T.V. (cc) (A)	3500	3000	3000	2500	3500	2000	3000	3000	3500	3000	3000	3500	3500	2500	3000
P.V. (cc) (B)	10	12	15	22	25	10	18	12	15	16	13	13	18	10	20
S.V. (cc) (C)	10	12	15	22	25	10	18	12	15	16	13	13	18	10	20
H.V. (cc) (Y)	1.2	1.4	3.2	8	6	1.2	5	1.4	2.2	2.4	3	2.3	2.4	2	1.4
ALT.SIL.	74.06	2.52	57.60	172.80	9.26	97.20	9.00	2.52	33.94	43.20	54.00	106.46	74.06	129.60	75.60
AMPHIBOL	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ANATASE	0.00	0.00	0.00	PTS	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ANDALUSITE	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
AZORITE	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
APATITE	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BARITE	PTS	0.00	0.00	PTS	0.00	0.00	PTS	0.21	PTS	PTS	0.45	PTS	PTS	PTS	PTS
BORNITE	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BIOTITE	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
AMETYSTE	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CALCITE	PTS	PTS	PTS	0.86	0.46	0.16	0.45	0.13	0.17	0.22	PTS	PTS	PTS	PTS	PTS
CELESTINE	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CHAMOSITE	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CHALCOPYRITE	0.00	0.00	0.00	PTS	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CHROMITE	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CHLORITE	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CINNABAR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CERUSSITE	0.00	PTS	PTS	PTS	PTS	0.00	PTS	0.30	PTS	PTS	PTS	PTS	0.00	PTS	0.00
COPPER	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ELECTROM	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
EPIDOTS	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
FELDSPAR	PTS	PTS	PTS	0.86	PTS	PTS	PTS	PTS	0.17	PTS	PTS	PTS	PTS	PTS	PTS
FLOURITE	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
GAHENITE	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
GALENA	0.00	PTS	PTS	PTS	PTS	0.00	PTS	0.35	PTS	PTS	PTS	PTS	0.00	PTS	0.00
GARNET	PTS	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
GOLD	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
GOETHITE	PTS	4.11	9.39	28.16	15.09	5.28	58.67	4.11	5.53	7.04	88.00	115.66	60.34	70.40	82.13
HEMATITE	72.69	197.87	226.13	678.40	363.43	63.60	106.00	49.47	66.63	84.80	212.00	6.97	218.06	508.80	98.93
HEMIMORPHITE	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
HORNBLEND	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ILMENITE	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
KIANITE	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
LEUCOXENE	0.00	0.00	0.00	0.00	0.00	PTS	PTS	0.00	PTS	PTS	0.00	PTS	0.00	0.00	PTS
LIMONITE	0.00	PTS	PTS	PTS	PTS	0.00	PTS	PTS	PTS	PTS	PTS	PTS	PTS	PTS	PTS
MAGNETITE	0.18	PTS	PTS	1.66	0.89	0.31	0.87	0.24	0.33	0.42	0.52	0.34	0.36	0.42	PTS
MALACHITE	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
MARTITE	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
MASSICOT	0.00	0.00	0.00	0.00	PTS	0.00	0.00	PTS	0.00	PTS	0.00	0.00	PTS	0.00	PTS
MONAZITE	171.43	280.00	533.33	1600.00	685.71	120.00	500.00	186.67	314.29	400.00	200.00	131.43	274.29	240.00	93.33
MOSCOVITE	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
NATIVE COPPER	0.00	0.00	0.00	0.00	0.00	0.00	0.00	PTS	0.00	0.00	0.00	0.00	0.00	0.00	0.00
NATIVE LEAD	0.00	0.00	0.00	PTS	PTS	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
PHOSPHORITE	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
PYROLUSITE	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	19.20	6.31	PTS	0.00	0.00
PYRITE	PTS	PTS	0.00	1.60	0.86	0.00	PTS	0.23	PTS	0.40	0.50	0.00	0.34	PTS	PTS
PYRITE LIMONITE	0.00	PTS	187.73	563.20	301.71	PTS	293.33	82.13	5.53	7.04	616.00	289.14	241.37	211.20	82.13
PYRITE(OXIDE)	205.71	373.33	1066.67	3200.00	2057.14	360.00	2166.67	513.33	628.57	800.00	700.00	460.00	411.43	160.00	326.67
PYROXENES	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	PTS	PTS	PTS	PTS	0.00
RUTILE	PTS	0.00	0.00	PTS	0.00	PTS	0.00	0.00	0.00	PTS	0.00	PTS	PTS	PTS	0.00
SAPHIRE	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SCHEELITE	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SERICITE	57.60	52.27	5.97	17.92	9.60	268.80	93.33	52.27	105.60	134.40	5.60	36.80	3.84	89.60	52.27
SMITHSONITE	0.00	0.00	0.00	PTS	PTS	0.00	0.00	PTS	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SPHENE	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	PTS	0.00	0.00	0.00
SPINEL	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ZIRCON	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	PTS	0.00	PTS	PTS	0.00	PTS

جدول (۳–۲): نتایج آنالیز نمونه های کانی سنگین برداشت شده (ادامه)

SAM.NO.	A2-219-H	A2-222-H	A2-226-H	A2-228-H	A2-234-H	A2-237-H	A2-241-H	A2-242-H	A2-245-H	A2-246-H	A2-232-H	A2-247-H	A2-249-H	A2-252-H	A2-254-H
T.V. (cc) (A)	3000	2500	3000	3000	3500	3500	3000	4000	3000	3000	3000	2500	2500	3000	3000
P.V. (cc) (B)	13	10	11	14	16	18	12	22	12	12	12	15	17	10	18
S.V. (cc) (C)	13	10	11	14	16	18	12	22	12	12	12	15	17	10	18
H.V. (cc) (Y)	2	2.2	1.4	2.2	6	0.5	1.2	6	2.5	2.4	2	2	3	1.2	1.2
ALT.SIL.	36.00	95.04	2.52	118.80	398.06	92.57	129.60	324.00	90.00	172.80	3.60	86.40	194.40	108.00	2.16
AMPHIBOL	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ANATASE	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ANDALUSITE	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
AZORITE	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
APATITE	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BARITE	PTS	PTS	PTS	PTS	0.00	0.00	0.00	PTS	PTS	0.00	0.00	0.00	0.00	0.00	0.00
BORNITE	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BIOTITE	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
AMETYSTE	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CALCITE	PTS	PTS	PTS	PTS	37.03	PTS	PTS	0.41	PTS	0.00	PTS	PTS	PTS	PTS	PTS
CELESTINE	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CHAMOSITE	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CHALCOPYRITE	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CHROMITE	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CHLORITE	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CINNABAR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CERUSSITE	0.00	0.00	PTS	0.00	0.00	0.00	0.00	PTS	PTS	0.00	0.00	0.00	0.00	0.00	0.00
COPPER	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ELECTROM	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	PTS	0.00	0.00	0.00	0.00	0.00	0.00
EPIDOTS	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
FELDSPAR	PTS	PTS	PTS	PTS	27.77	PTS	PTS	0.41	PTS	0.00	PTS	PTS	PTS	PTS	PTS
FLOURITE	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
GAHENITE	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
GALENA	0.00	0.00	PTS	0.00	0.00	0.00	0.00	PTS	0.00	0.00	0.00	0.00	0.00	0.00	0.00
GARNET	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
GOLD	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
GOETHITE	58.67	77.44	246.40	258.13	PTS	0.00	3.52	13.20	7.33	PTS	352.00	PTS	10.56	3.52	70.40
HEMATITE	282.67	279.84	98.93	7.77	726.86	30.29	254.40	318.00	176.67	169.60	424.00	339.20	508.80	212.00	254.40
HEMIMORPHITE	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
HORNBLEND	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ILMENITE	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
KIANITE	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
LEUCOXENE	0.00	0.00	PTS	0.00	0.00	0.00	0.00	0.00	0.00	0.00	PTS	0.00	0.00	0.00	0.00
LIMONITE	PTS	PTS	PTS	0.00	PTS	0.00	PTS	PTS	253.33	PTS	0.00	0.00	PTS	PTS	PTS
MAGNETITE	PTS	PTS	PTS	PTS	0.89	PTS	PTS	0.78	0.43	PTS	PTS	PTS	PTS	PTS	PTS
MALACHITE	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
MARTITE	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
MASSICOT	PTS	0.00	0.00	0.00	0.00	0.00	0.00	0.00	PTS	0.00	0.00	0.00	0.00	0.00	0.00
MONAZITE	133.33	176.00	0.00	0.00	685.71	0.00	80.00	750.00	333.33	240.00	0.00	400.00	12.00	120.00	160.00
MOSCOVITE	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
NATIVE COPPER	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
NATIVE LEAD	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
PHOSPHORITE	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
PYROLUSITE	6.40	8.45	PTS	PTS	PTS	0.00	0.00	0.00	0.00	0.00	6.40	0.00	0.00	0.00	0.00
PYRITE	PTS	PTS	PTS	PTS	PTS	0.00	PTS	PTS	PTS	0.00	0.00	PTS	0.00	0.00	0.00
PYRITE LIMONITE	234.67	232.32	PTS	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	7.04	633.60	PTS	PTS
PYRITE(OXIDE)	400.00	616.00	420.00	880.00	1371.43	85.71	240.00	1350.00	666.67	880.00	533.33	720.00	840.00	280.00	320.00
PYROXENES	PTS	PTS	PTS	0.00	PTS	0.00	PTS	PTS	PTS	PTS	0.00	PTS	0.00	PTS	0.00
RUTILE	PTS	PTS	0.00	0.00	0.00	0.00	PTS	PTS	PTS	0.00	PTS	0.00	0.00	0.00	0.00
SAPHIRE	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SCHEELITE	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SERICITE	74.67	98.56	78.40	41.07	9.60	0.00	0.00	8.40	4.67	4.48	0.00	4.48	PTS	2.24	2.24
SMITHSONITE	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SPHENE	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SPINEL	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ZIRCON	PTS	PTS	PTS	PTS	0.00	0.00	PTS	PTS	PTS	0.00	PTS	PTS	0.00	PTS	0.00

جدول (۳–۲): نتایج آنالیز نمونه های کانی سنگین برداشت شده (ادامه)

SAM.NO.	A2-257-H	A2-260-H	A2-262-H	A2-263-H	A2-264	A2-268-H	A2-269-H	A2-272-H	A2-274-H	A2-275-H	A2-276-H	A2-280-H	A2-281-H	A2-286-H	A2-288-H
T.V. (cc) (A)	3000	2000	2000	3000	3000	3000	3500	2500	3000	3000	3000	3000	3500	2500	2500
P.V. (cc) (B)	20	10	15	8	12	15	18	10	10	17	14	10	17	12	8
S.V. (cc) (C)	20	10	15	8	12	15	18	10	10	17	14	10	17	12	8
H.V. (cc) (Y)	6	2	3.2	1.3	4	3.2	5	1	2.3	1.2	3	1	2.4	1.2	1.4
ALT.SIL.	10.80	108.00	345.60	93.60	813.60	230.40	462.86	172.80	289.80	172.80	378.00	126.00	188.85	155.52	181.44
AMPHIBOL	0.00	0.00	0.00	0.00	PTS	0.00	0.00	0.00	0.00	0.00	0.00	PTS	0.00	0.00	0.00
ANATASE	0.00	0.00	0.00	0.00	PTS	PTS	PTS	0.00	0.00	0.00	0.00	0.00	PTS	0.00	0.00
ANDALUSITE	0.00	0.00	0.00	0.00	0.00	PTS	0.00	0.00	PTS	0.00	0.00	PTS	PTS	0.00	0.00
AZORITE	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
APATITE	0.00	0.00	0.00	0.00	PTS	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BARITE	180.00	PTS	14.40	PTS	PTS	PTS	PTS	0.00	0.00	0.00	0.00	PTS	PTS	0.00	0.00
BORNITE	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BIOTITE	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
AMETYSTE	0.00	0.00	0.00	0.00	0.00	PTS	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CALCITE	PTS	PTS	PTS	PTS	36.00	PTS	PTS	PTS	12.42	PTS	PTS	PTS	PTS	PTS	PTS
CELESTINE	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CHAMOSITE	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CHALCOPYRITE	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CHROMITE	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CHLORITE	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	PTS	0.00	0.00	0.00
CINNABAR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CERUSSITE	0.00	0.00	PTS	0.00	PTS	PTS	PTS	0.00	PTS	PTS	0.00	0.00	PTS	0.00	0.00
COPPER	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ELECTROM	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
EPIDOTS	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	PTS	0.00	0.00	0.00	0.00	0.00	0.00
FELDSPAR	PTS	PTS	PTS	PTS	PTS	PTS	PTS	PTS	PTS	PTS	PTS	PTS	PTS	PTS	PTS
FLOURITE	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
GAHENITE	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
GALENA	0.00	0.00	PTS	0.00	0.00	PTS	PTS	0.00	PTS	PTS	0.00	0.00	0.51	0.00	0.00
GARNET	0.00	0.00	0.00	0.00	0.00	0.00	PTS	PTS	6.13	0.00	PTS	0.00	PTS	0.00	0.00
GOLD	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
GOETHITE	16.54	8.80	PTS	3.81	234.67	8.82	125.71	PTS	PTS	PTS	PTS	PTS	PTS	PTS	98.56
HEMATITE	402.80	530.00	339.20	183.73	282.67	644.48	605.71	4.24	243.80	4.24	10.60	35.33	130.83	5.09	237.44
HEMIMORPHITE	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
HORNBLEND	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ILMENITE	0.00	0.00	0.00	0.00	0.00	0.00	PTS	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
KIANITE	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	27.60	0.00	0.00	PTS	PTS	0.00	0.00
LEUCOXENE	0.00	0.00	0.00	PTS	18.67	0.37	0.50	PTS	PTS	PTS	0.00	0.00	PTS	0.00	0.00
LIMONITE	PTS	0.00	0.00	0.00	0.00	0.00	PTS	0.00	0.00	0.00	0.00	PTS	PTS	0.00	PTS
MAGNETITE	1.04	PTS	PTS	0.23	0.69	83.20	0.74	0.21	0.40	PTS	0.52	0.17	99.84	PTS	PTS
MALACHITE	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
MARTITE	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
MASSICOT	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
MONAZITE	0.00	200.00	320.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
MOSCOVITE	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
NATIVE COPPER	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.60	0.00	0.00
NATIVE LEAD	0.00	0.00	0.00	0.00	PTS	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
PHOSPHORITE	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
PYROLUSITE	0.00	0.00	0.00	0.00	640.00	389.12	274.29	0.00	0.00	0.00	PTS	0.00	PTS	0.00	0.00
PYRITE	1.00	PTS	PTS	0.00	PTS	PTS	0.00	PTS	PTS	0.00	0.00	PTS	0.34	PTS	PTS
PYRITE LIMONITE	668.80	PTS	PTS	0.00	0.00	PTS	PTS	PTS	PTS	0.00	0.00	PTS	5.43	PTS	4.93
PYRITE(OXIDE)	2700.00	700.00	1600.00	433.33	13.33	608.00	1000.00	400.00	766.67	400.00	1300.00	400.00	802.29	672.00	448.00
PYROXENES	0.00	0.00	0.00	0.00	PTS	PTS	PTS	PTS	PTS	0.00	PTS	PTS	0.00	0.00	0.00
RUTILE	0.00	PTS	0.00	0.00	0.00	PTS	PTS	0.00	PTS	PTS	PTS	PTS	PTS	0.00	0.00
SAPHIRE	0.00	0.00	0.00	0.00	0.00	0.43	0.00	PTS	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SCHEELITE	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SERICITE	0.00	224.00	179.20	48.53	0.00	0.00	0.00	44.80	0.00	44.80	0.00	0.00	0.00	PTS	3.14
SMITHSONITE	0.00	0.00	0.00	0.00	0.00	PTS	PTS	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SPHENE	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SPINEL	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ZIRCON	0.00	PTS	0.00	PTS	PTS	PTS	PTS	PTS	PTS	PTS	PTS	PTS	PTS	0.00	0.00

جدول (۳-۲): نتایج آنالیز نمونه های کانی سنگین برداشت شده (ادامه)

SAM.NO.	A2-289-H	A2-290-H	A2-292-H	A2-291-H	A2-294-H	A2-293-H	A2-298-H	A2-310-H	A2-311-H	A2-317-H	A2-318-H	A2-319-H	A2-321-H	A2-322-H	A2-325-H
T.V. (cc) (A)	2500	3000	3000	3000	3500	2500	3000	3000	3000	2500	2500	3500	3500	3000	3000
P.V. (cc) (B)	15	11	10	12	15	8	12	20	15	10	18	12	10	15	12
S.V. (cc) (C)	15	11	10	12	15	8	12	20	15	10	18	12	10	15	12
H.V. (cc) (Y)	3	2	1.2	0.5	1.4	1.2	2.2	4	1	1	1.3	2.4	1.2	1	1.2
ALT.SIL.	64.80	3.60	64.80	36.00	108.00	77.76	3.96	7.20	108.00	86.40	168.48	148.11	74.06	90.00	64.80
AMPHIBOL	PTS	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ANATASE	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ANDALUSITE	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
AZORITE	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
APATITE	PTS	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	PTS	0.00	0.00	0.00
BARITE	0.54	0.30	0.00	0.00	PTS	0.00	PTS	PTS	0.00	0.00	0.00	0.31	0.00	0.00	0.00
BORNITE	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BIOTITE	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
AMETYSTE	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CALCITE	PTS	PTS	PTS	PTS	PTS	PTS	PTS	0.36	PTS	PTS	PTS	PTS	PTS	PTS	PTS
CELESTINE	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CHAMOSITE	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CHALCOPYRITE	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CHROMITE	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CHLORITE	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CINNABAR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CERUSSITE	PTS	PTS	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	PTS	0.00	0.00	0.00
COPPER	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ELECTROM	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
EPIDOTS	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
FELDSPAR	PTS	PTS	PTS	PTS	PTS	PTS	PTS	PTS	PTS	PTS	PTS	PTS	PTS	PTS	PTS
FLOURITE	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
GAHENITE	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
GALENA	PTS	PTS	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	PTS	0.00	0.00	0.00
GARNET	PTS	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	PTS	0.00	0.00	0.00
GOLD	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
GOETHITE	PTS	PTS	3.52	1.47	PTS	42.24	6.45	234.67	29.33	140.80	4.58	6.03	30.17	2.93	3.52
HEMATITE	254.40	70.67	254.40	106.00	254.40	254.40	466.40	989.33	247.33	254.40	440.96	581.49	290.74	212.00	296.80
HEMIMORPHITE	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
HORNBLEND	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ILMENITE	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
KIANITE	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
LEUCOXENE	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	PTS	0.00	0.00	0.00	0.00
LIMONITE	PTS	PTS	0.00	0.00	0.00	PTS	PTS	0.00	0.00	0.00	0.00	PTS	PTS	PTS	PTS
MAGNETITE	0.62	0.35	PTS	PTS	PTS	PTS	PTS	0.69	PTS	PTS	PTS	0.36	PTS	PTS	PTS
MALACHITE	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
MARTITE	0.00	0.00	0.00	100.00	280.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
MASSICOT	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
MONAZITE	240.00	333.33	240.00	33.33	PTS	480.00	293.33	533.33	66.67	160.00	104.00	411.43	137.14	166.67	320.00
MOSCOVITE	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
NATIVE COPPER	0.00	0.00	0.00	0.00	PTS	0.00	0.00	0.00	0.00	0.00	0.00	PTS	0.00	0.00	0.00
NATIVE LEAD	PTS	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
PHOSPHORITE	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
PYROLUSITE	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	PTS	0.00	0.00	0.00	0.00	0.00
PYRITE	PTS	0.33	PTS	PTS	0.00	PTS	PTS	0.00	0.00	0.00	0.00	PTS	PTS	PTS	0.00
PYRITE LIMONITE	739.20	352.00	PTS	PTS	0.00	PTS	258.13	117.33	PTS	3.52	PTS	PTS	PTS	PTS	PTS
PYRITE(OXIDE)	960.00	533.33	160.00	33.33	80.00	48.00	440.00	800.00	66.67	80.00	208.00	137.14	102.86	100.00	80.00
PYROXENES	PTS	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	PTS	0.00	0.00	0.00
RUTILE	PTS	0.00	0.00	0.00	0.00	0.00	0.00	PTS	PTS	PTS	0.00	PTS	PTS	PTS	0.00
SAPHIRE	0.00	0.00	0.00	0.00	0.00	0.00	0.00	PTS	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SCHEELITE	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SERICITE	6.72	3.73	22.40	0.00	0.00	0.00	0.00	7.47	37.33	2.24	2.91	3.84	PTS	18.67	PTS
SMITHSONITE	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SPHENE	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SPINEL	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ZIRCON	PTS	PTS	0.00	0.00	PTS	0.00	0.00	0.00	0.00	0.00	0.00	PTS	0.00	PTS	0.00

جدول (۳–۲): نتایج آنالیز نمونه های کانی سنگین برداشت شده (ادامه)

SAM.NO.	A2-328-H	A2-329-H	A2-330-H	A2-332-H	A2-334	A2-335-H	A2-342-H	A2-343-H	A2-346-H	A2-347	A2-351-H	A2-353-H	A2-354-H	A2-361-H	A2-364-H
T.V. (cc) (A)	2500	2500	3000	3000	2500	2500	3000	2500	2500	2500	2500	3500	3500	3000	3000
P.V. (cc) (B)	10	10	8	14	10	8	10	12	10	12	8	15	14	14	15
S.V. (cc) (C)	10	10	8	14	10	8	10	12	10	12	8	15	14	14	15
H.V. (cc) (Y)	1	2	0.5	3.2	0.5	0.5	2	0.5	1	4.2	1.4	3.2	3	2.2	4
ALT.SIL.	86.40	380.16	126.00	748.80	97.20	1.08	216.00	54.00	172.80	907.20	181.44	197.49	92.57	79.20	691.20
AMPHIBOL	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	PTS	0.00	0.00	0.00	0.00	0.00
ANATASE	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	PTS	PTS	0.00	0.00	0.00	0.00	0.00
ANDALUSITE	0.00	PTS	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	PTS
AZORITE	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
APATITE	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BARITE	PTS	PTS	0.00	0.00	0.00	0.00	0.00	0.00	PTS	PTS	0.00	0.41	0.00	0.00	78.00
BORNITE	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BIOTITE	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
AMETYSTE	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CALCITE	PTS	PTS	PTS	PTS	PTS	PTS	PTS	PTS	PTS	0.45	PTS	0.25	0.23	0.20	PTS
CELESTINE	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CHAMOSITE	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CHALCOPYRITE	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CHROMITE	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CHLORITE	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	PTS	10.08	0.00	0.00	0.00	0.00	0.00
CINNABAR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CERUSSITE	0.00	0.52	0.00	PTS	0.00	0.00	0.00	0.00	PTS	PTS	0.00	0.00	0.00	PTS	0.87
COPPER	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ELECTROM	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
EPIDOTS	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	PTS	0.00	0.00	0.00	0.00	0.00
FELDSPAR	PTS	PTS	PTS	PTS	PTS	PTS	PTS	PTS	PTS	PTS	PTS	0.25	0.23	0.20	0.36
FLOURITE	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	21.33
GAHENITE	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
GALENA	0.00	0.60	0.00	PTS	0.00	0.00	0.00	0.00	PTS	PTS	0.00	0.00	0.00	PTS	1.00
GARNET	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
GOLD	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	PTS
GOETHITE	3.52	6.62	PTS	PTS	52.80	105.60	5.87	1.76	3.52	PTS	4.93	8.05	7.54	129.07	117.33
HEMATITE	296.80	322.24	35.33	339.20	127.20	169.60	141.33	42.40	169.60	PTS	237.44	290.74	181.71	310.93	706.67
HEMIMORPHITE	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
HORNBLEND	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ILMENITE	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	250.67
KIANITE	0.00	PTS	0.00	0.00	0.00	0.00	0.00	0.00	0.00	PTS	0.00	0.00	0.00	0.00	PTS
LEUCOXENE	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	PTS	0.59	0.00	0.00	0.00	0.00	0.00
LIMONITE	PTS	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	PTS	PTS	PTS	0.00
MAGNETITE	PTS	62.40	PTS	PTS	PTS	PTS	PTS	PTS	0.21	0.87	PTS	PTS	PTS	0.38	69.33
MALACHITE	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
MARTITE	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
MASSICOT	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
MONAZITE	280.00	PTS	1.67	10.67	PTS	0.00	6.67	2.00	0.00	0.00	5.60	365.71	257.14	0.00	0.00
MOSCOVITE	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
NATIVE COPPER	0.00	PTS	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
NATIVE LEAD	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
PHOSPHORITE	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
PYROLUSITE	0.00	72.96	32.00	10.24	PTS	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	12.80
PYRITE	0.00	PTS	0.00	0.00	0.00	0.00	PTS	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.67
PYRITE LIMONITE	0.00	PTS	0.00	0.00	0.00	0.00	0.00	0.00	0.00	PTS	4.93	PTS	PTS	PTS	0.00
PYRITE(OXIDE)	80.00	152.00	1.67	10.67	0.00	80.00	666.67	180.00	80.00	PTS	392.00	640.00	685.71	880.00	400.00
PYROXENES	0.00	PTS	21.33	136.53	1.28	1.28	PTS	PTS	76.80	1075.20	PTS	PTS	PTS	0.00	8.53
RUTILE	0.00	PTS	PTS	0.00	0.00	0.00	0.00	0.00	PTS	0.00	0.00	0.00	0.00	0.00	PTS
SAPHIRE	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	PTS	0.00	0.00	0.00	0.00	0.00	0.00
SCHEELITE	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SERICITE	2.24	170.24	0.93	119.47	22.40	22.40	74.67	44.80	67.20	0.00	94.08	102.40	240.00	PTS	0.00
SMITHSONITE	0.00	PTS	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	PTS
SPHENE	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SPINEL	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ZIRCON	0.00	0.00	PTS	0.00	0.00	PTS	0.00	0.00	0.00	PTS	0.00	0.00	PTS	0.00	PTS

جدول (۳–۲): نتایج آنالیز نمونه های کانی سنگین برداشت شده (ادامه)

SAM.NO.	A2-367-H	A2-370-H	A2-374-H	A2-376-H	A2-378-H	A2-382-H	A2-384-H	A2-385-H	A2-389-H	A2-393-H	A2-394-H	A2-399-H	A2-400-H	A2-412-H	A2-414-H
T.V. (cc) (A)	2500	3000	3000	2500	2500	3000	3500	2500	2500	3000	3500	2500	3000	3000	3500
P.V. (cc) (B)	16	10	15	17	10	15	16	15	12	16	20	12	16	10	20
S.V. (cc) (C)	16	10	15	17	10	15	16	15	12	16	20	12	16	10	20
H.V. (cc) (Y)	3.4	1.3	6	2.2	1.2	2.2	1.4	1.2	2	2	6	2.4	1.4	1.4	7
ALT.SIL.	176.26	170.82	216.00	285.12	181.44	198.00	129.60	77.76	172.80	108.00	37.03	207.36	100.80	226.80	162.00
AMPHIBOL	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ANATASE	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ANDALUSITE	0	0	0	0	0	0	0	0	0	0	PTS	0	0	0	0
AZORITE	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
APATITE	0	0	PTS	0	0	0	0	0	0	0	PTS	0	0	0	0
BARITE	PTS	PTS	PTS	PTS	0	PTS	0	0	0	0	PTS	0	0	0	0
BORNITE	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
BIOTITE	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
AMETYSTE	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CALCITE	25.70	4.68	0.54	PTS	0.13	PTS	PTS	PTS	PTS	0.18	0.46	PTS	PTS	PTS	PTS
CELESTINE	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CHAMOSITE	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CHALCOPYRITE	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CHROMITE	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CHLORITE	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CINNABAR	0	0	0	0	0	0	0	0	0	0	0	0	0	0	PTS
CERUSSITE	PTS	PTS	0.00	PTS	0.00	0.00	0.00	PTS	0.00	0.00	1.11	PTS	0.00	0.00	13.00
COPPER	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ELECTROM	0	0	0	0	0	0	0	0	0	0	PTS	0	0	0	PTS
EPIDOTS	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
FELDSPAR	22.03	0.12	PTS	PTS	PTS	PTS	PTS	PTS	PTS	0.18	PTS	PTS	PTS	PTS	16.20
FLOURITE	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
GAHENITE	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
GALENA	PTS	PTS	0	PTS	0	0	0	0	0	0	1.29	PTS	0	0	2
GARNET	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
GOLD	0	0	0	0	0	0	0	0	0	0	0	0	0	0	PTS
GOETHITE	718.08	76.27	17.60	PTS	PTS	6.45	3.52	42.24	140.80	352.00	PTS	84.48	205.33	4.11	176.00
HEMATITE	288.32	459.33	848.00	186.56	203.52	155.47	424.00	661.44	1017.60	494.67	1817.14	508.80	346.27	148.40	1272.00
HEMIMORPHITE	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
HORNBLEND	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ILMENITE	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
KIANITE	0	0	0	0	0	0	0	0	0	0	PTS	0	0	0	0
LEUCOXENE	PTS	PTS	0	0	0	0	0	0	0	0	PTS	0	0	0	0
LIMONITE	PTS	PTS	PTS	0.00	PTS	PTS	PTS	PTS	6.08	PTS	PTS	PTS	PTS	PTS	PTS
MAGNETITE	0.71	PTS	1.04	PTS	PTS	PTS	PTS	PTS	PTS	PTS	115.89	0.50	PTS	PTS	104.00
MALACHITE	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MARTITE	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MASSICOT	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MONAZITE	0	4.33	800	176.00	96.00	293.33	80.00	96.00	80.00	133.33	514.29	192.00	4.67	280.00	1200.00
MOSCOVITE	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
NATIVE COPPER	0	0	0	0	0	0	0	0	0	0	PTS	0	0	0	0
NATIVE LEAD	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PHOSPHORITE	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PYROLUSITE	0	0	19.20	0	0	0	0	0	0	0	0	0	0	0	0
PYRITE	0	21.67	1	PTS	0.24	PTS	0	0	0	0	PTS	PTS	0	0	150
PYRITE LIMONITE	PTS	0.00	528.00	PTS	0	PTS	0	0	0	0	15.09	PTS	PTS	PTS	PTS
PYRITE(OXIDE)	1360	43.33	1400.00	616	336	513	PTS	48	8	133.33	1028.57	576.00	140.00	46.67	1200.00
PYROXENES	0	0	0	PTS	PTS	0	0	PTS	0	0	PTS	0	PTS	0	PTS
RUTILE	PTS	0	PTS	0	0	0	0	0	PTS	0	0	0	0	0	0
SAPHIRE	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SCHEELITE	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SERICITE	0	0	0	147.84	0	82.13	44.80	2.69	44.80	3.73	96.00	107.52	26.13	26.13	11.20
SMITHSONITE	0	0	0	0	0	0	0	0	0	0	PTS	0	0	0	PTS
SPHENE	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SPINEL	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ZIRCON	PTS	0	0	PTS	0	0	0	0	0	0	0	PTS	PTS	0	PTS

جدول (۳-۲): نتایج آنالیز نمونه های کانی سنگین برداشت شده (ادامه)

SAM.NO.	A2-419-H	A2-420-H	A2-422-H	A2-423-H	A2-424-H	A2-425-H	A2-426-H	A2-427-H	A2-428-H	A2-429-H	A2-430-H1
T.V. (cc) (A)	3000	3000	2500	2500	3000	2500	3000	3000	3500	3500	3000
P.V. (cc) (B)	16	18	16	10	14	12	14	15	20	22	18
S.V. (cc) (C)	16	18	16	10	14	12	14	15	20	22	18
H.V. (cc) (Y)	1.2	5	7	1	1.4	1.4	1.3	3	8	7	1
ALT.SIL.	8.64	27.00	151.20	64.80	75.60	151.20	46.80	162.00	370.29	324.00	90.00
AMPHIBOL	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ANATASE	0.00	PTS	PTS	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ANDALUSITE	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	PTS	0.00	0.00
AZORITE	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
APATITE	0.00	PTS	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BARITE	PTS	0.75	1.26	0.00	PTS	0.00	0.00	PTS	PTS	0.00	0.00
BORNITE	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BIOTITE	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
AMETYSTE	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CALCITE	0.11	PTS	PTS	PTS	PTS	PTS	PTS	0.27	0.62	0.54	PTS
CELESTINE	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CHAMOSITE	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CHALCOPYRITE	0.00	0.00	PTS	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CHROMITE	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CHLORITE	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CINNABAR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CERUSSITE	0.00	PTS	PTS	0.00	PTS	0.00	0.00	PTS	0.00	0.00	0.00
COPPER	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ELECTROM	PTS	0.00	0.00	0.00	PTS	0.00	0.00	0.00	0.00	0.00	0.00
EPIDOTS	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
FELDSPAR	PTS	PTS	PTS	0.00	PTS	PTS	PTS	PTS	PTS	0.54	PTS
FLOURITE	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
GAHENITE	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
GALENA	0.00	PTS	PTS	0.00	PTS	0.00	0.00	PTS	0.00	0.00	0.00
GARNET	0.00	0.00	PTS	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
GOLD	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
GOETHITE	70.40	586.67	24.64	35.20	4.11	4.93	152.53	352.00	20.11	352.00	2.93
HEMATITE	424.00	1060.00	1484.00	169.60	98.93	237.44	275.60	424.00	969.14	848.00	106.00
HEMIMORPHITE	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
HORNBLEND	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ILMENITE	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
KIANITE	0.00	0.60	1.01	0.00	0.00	0.00	0.00	0.00	PTS	0.00	0.00
LEUCOXENE	0.00	PTS	PTS	0.00	0.00	PTS	0.00	0.00	0.00	0.00	0.00
LIMONITE	PTS	PTS	PTS	PTS	PTS	PTS	PTS	PTS	PTS	PTS	PTS
MAGNETITE	PTS	138.67	1.46	PTS	PTS	PTS	PTS	0.52	1.19	1.04	PTS
MALACHITE	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
MARTITE	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
MASSICOT	0.00	PTS	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
MONAZITE	240.00	1000.00	1400.00	360.00	373.33	224.00	173.33	10.00	685.71	600.00	200.00
MOSCOVITE	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
NATIVE COPPER	0.00	PTS	PTS	0.00	0.00	0.00	0.00	PTS	0.00	0.00	0.00
NATIVE LEAD	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
PHOSPHORITE	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
PYROLUSITE	0.00	16.00	26.88	0.00	0.00	PTS	PTS	PTS	21.94	19.20	0.00
PYRITE	PTS	PTS	PTS	0.00	PTS	0.00	0.00	0.00	PTS	PTS	0.00
PYRITE LIMONITE	PTS	14.67	24.64	0.00	PTS	PTS	PTS	PTS	PTS	17.60	PTS
PYRITE(OXIDE)	40.00	666.67	2520.00	4.00	326.67	392.00	86.67	800.00	1828.57	1600.00	133.33
PYROXENES	0.00	PTS	PTS	0.00	0.00	0.00	0.00	0.00	PTS	0.00	0.00
RUTILE	0.00	PTS	PTS	0.00	0.00	0.00	0.00	PTS	PTS	0.00	PTS
SAPHIRE	0.00	PTS	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SCHEELITE	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SERICITE	PTS	9.33	PTS	67.20	2.61	3.14	48.53	56.00	256.00	11.20	37.33
SMITHSONITE	0.00	PTS	1.23	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SPHENE	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SPINEL	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ZIRCON	0.00	PTS	PTS	0.00	0.00	PTS	0.00	PTS	0.00	0.00	0.00

جدول (۴-۲): نتایج آنالیز نمونه های کانی سنگین برداشت شده در فاز کنترل صحرایی

SAM.NO.	A2-24-H	A2-32-H	A2-41-H	A2-44-H	A2-90-H	A2-108-H	A2-109-H	A2-116-H	A2-117-H	A2-132-H	A2-174-H	A2-190-H	A2-191-H	A2-195-H	A2-198-H	A2-200-H	A2-202-H	A2-205-H	A2-206-H	A2-255-H
T.V. (cc) (A)	4500	4000	4000	5500	5000	5500	4500	4500	4000	4500	4500	4000	4000	5000	5500	5000	5500	4500	4000	4000
P.V. (cc) (B)	30	28	30	27	30	22	27	15	14	28	20	25	20	19	27	28	20	14	26	17
S.V. (cc) (C)	30	28	30	27	30	22	27	15	14	28	20	25	20	19	27	28	20	14	26	17
H.V. (cc) (Y)	5	12	13	2	8	0.5	1.5	1	1	2	1	2	5	10	3.2	9	1.5	2.5	5	1.8
ALT.SIL.	432.00	648.00	1228.50	47.13	172.80	39.27	131.40	84.00	81.00	192.00	96.00	162.00	405.00	432.00	157.09	486.00	73.64	60.00	472.50	194.40
AMPHIBOL	0.00	0.00	0.00	PTS	0.00	PTS	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ANATASE	PTS	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	PTS	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
APATITE	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	PTS	0.00	0.00	0.00	0.00	0.00	0.00
BARITE	0.50	1.35	1.46	0.16	0.72	PTS	0.15	PTS	PTS	PTS	PTS	PTS	0.00	0.00	0.00	PTS	PTS	PTS	PTS	0.20
BROCHANTITE	PTS	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CALCITE	0.30	0.81	PTS	0.10	0.43	PTS	PTS	0.06	0.07	0.12	PTS	0.14	PTS	0.54	PTS	PTS	PTS	0.15	PTS	PTS
CHLORITE	PTS	PTS	0.00	PTS	0.00	PTS	PTS	0.00	0.00	0.00	PTS	0.00	PTS	0.00	0.00	PTS	0.00	0.00	0.00	0.00
CINNABAR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	PTS	0.00	0.00	0.00	0.00	PTS	0.00	0.00	0.00	0.00
CERUSSITE	PTS	0.00	0.00	0.24	PTS	0.06	PTS	0.00	0.00	0.00	PTS	0.00	0.00	PTS	PTS	PTS	0.00	0.00	0.00	0.00
ELECTROME	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
EPIDOTS	PTS	PTS	0.00	PTS	0.00	0.00	0.00	0.00	0.00	0.00	PTS	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
FELDSPAR	PTS	0.81	0.88	PTS	PTS	0.00	PTS	PTS	PTS	PTS	PTS	PTS	PTS	0.54	0.00	PTS	PTS	PTS	PTS	PTS
FLOURITE	PTS	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
GALENA	PTS	0.00	0.00	0.27	1.20	0.07	PTS	0.00	0.00	0.00	PTS	0.00	0.00	PTS	0.00	PTS	0.00	0.00	0.00	0.00
GARNET	0.00	0.00	0.00	0.00	0.00	0.00	PTS	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
GOLD	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	PTS	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
GOETHITE	215.11	26.40	PTS	57.60	281.60	PTS	2.64	39.11	44.00	78.22	78.22	4.40	PTS	PTS	PTS	PTS	2.40	PTS	PTS	PTS
HEMATITE	259.11	1272.00	344.50	138.76	339.20	0.96	31.80	23.56	53.00	4.71	47.11	212.00	265.00	21.20	308.36	381.60	115.64	235.56	530.00	190.80
ILMENITE	PTS	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
KIANITE	7.20	0.00	0.00	0.13	0.00	0.00	0.12	0.00	0.00	0.00	PTS	0.00	PTS	PTS	PTS	0.00	0.00	0.00	0.00	0.00
LEUCOXENE	PTS	0.00	PTS	0.00	PTS	0.00	0.00	0.00	0.00	0.00	PTS	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
LIMONITE	PTS	PTS	0.00	0.00	PTS	PTS	PTS	PTS	PTS	PTS	PTS	0.00	PTS	PTS	0.00	PTS	PTS	PTS	PTS	PTS
MAGNETITE	138.67	1.56	1.69	52.95	0.83	0.05	34.67	0.12	0.13	0.23	0.12	0.26	0.65	1.04	0.30	0.94	PTS	0.29	0.65	PTS
MALACHITE	PTS	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
MASSICOT	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
MONAZITE	PTS	1200.00	1950.00	0.00	1280.00	0.00	3.00	0.00	0.00	0.00	0.00	0.00	12.50	800.00	290.91	720.00	54.55	111.11	250.00	90.00
NATIVE COPPER	PTS	0.00	PTS	PTS	0.00	0.08	0.00	0.00	0.00	0.00	0.19	0.00	0.00	0.00	0.00	0.00	0.00	PTS	0.00	0.00
NATIVE LEAD	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
NATIVE ZINC	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
OLIGISITE	0.00	0.00	0.00	0.00	0.00	0.00	PTS	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
PYROLUSITE	9.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
PYRITE	PTS	PTS	PTS	PTS	PTS	0.00	0.17	0.00	PTS	PTS	PTS	0.00	0.00	PTS	PTS	PTS	PTS	PTS	PTS	PTS
PYRITE LIMONITE	PTS	PTS	0.00	PTS	PTS	PTS	PTS	PTS	PTS	PTS	PTS	PTS	0.00	PTS	0.00	PTS	PTS	PTS	PTS	PTS
PYRITE(OXIDE)	600.00	1800.00	1300.00	327.27	640.00	90.91	300.00	222.22	250.00	444.44	88.89	500.00	1250.00	2400.00	290.91	1260.00	190.91	555.56	875.00	270.00
PYROXENES	PTS	PTS	0.00	PTS	0.00	PTS	PTS	0.00	0.00	0.00	PTS	PTS	PTS	0.00	0.00	PTS	PTS	0.00	0.00	0.00
RUTILE	PTS	PTS	0.00	0.00	PTS	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	PTS	0.00	0.00	0.00	0.00	0.00	0.00
SAPHIRE	0.00	0.00	0.00	0.00	0.00	0.00	0.13	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SERICITE	112.00	336.00	364.00	36.65	179.20	10.18	33.60	1.24	1.40	PTS	24.89	PTS	140.00	PTS	PTS	201.60	30.55	62.22	7.00	2.52
SMITHSONITE	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	PTS	0.00	0.00	0.00	0.00
SPHALERITE	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	PTS	0.00	0.00	0.00	0.00
ZIRCON	PTS	PTS	0.00	PTS	0.00	0.00	PTS	PTS	PTS	PTS	PTS	PTS	PTS	PTS	0.00	0.00	0.00	0.00	0.00	0.00

جدول (۴-۴): نتایج آنالیز نمونه های کانی سنگین برداشت شده در فاز کنترل صحرایی (ادامه)

SAM.NO.	H2-256-H	H2-258-H	A2-301-H	A2-302-H	A2-306-H	A2-308-H	A2-313-H	A2-348-H	A2-357-H	A2-362-H	A2-363-H	A2-372-H	A2-373-H	A2-383-H	A2-397-H	A2-404-H	A2-415-H	A2-416-H	A2-430-H2	A2-440-H
T.V. (cc) (A)	4500	5000	5500	4500	5500	5000	5500	4500	4500	5500	5000	5500	5000	5500	4500	4000	4500	5000	4500	4500
P.V. (cc) (B)	12	14	15	17	14	25	22	20	23	28	24	8	15	26	10	20	8	28	28	25
S.V. (cc) (C)	12	14	15	17	14	25	22	20	23	28	24	8	15	26	10	20	8	28	28	25
H.V. (cc) (Y)	2.2	4.5	2.5	1.5	1.8	3	3.3	0.5	4.2	3.2	6	1.5	2.5	1	1.8	2	2.2	3.5	2	1
ALT.SIL.	105.60	243.00	98.18	180.00	88.36	356.40	291.60	36.00	201.60	188.51	194.40	132.55	135.00	78.55	21.60	135.00	47.52	241.92	168.00	24.00
AMPHIBOL	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ANATASE	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
APATITE	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	PTS	0.00	PTS	0.00	0.00	0.00	0.00
BARITE	PTS	0.41	PTS	PTS	PTS	0.00	27.00	0.00	PTS	PTS	0.54	PTS	PTS	PTS	PTS	PTS	PTS	37.80	PTS	PTS
BROCHANTITE	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CALCITE	PTS	PTS	0.12	PTS	PTS	PTS	8.10	PTS	0.25	0.16	PTS	PTS	PTS	PTS	PTS	0.14	PTS	15.12	PTS	PTS
CHLORITE	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CINNABAR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CERUSSITE	PTS	0.00	0.00	0.00	0.00	PTS	0.00	0.00	0.00	0.00	0.00	0.00	0.00	PTS	0.00	0.00	0.00	0.00	0.00	PTS
ELECTROME	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	PTS
EPIDOTS	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	PTS	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
FELDSPAR	PTS	PTS	PTS	PTS	PTS	PTS	0.00	PTS	0.25	0.16	PTS	PTS	PTS	PTS	PTS	0.14	0.00	PTS	PTS	PTS
FLOURITE	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
GALENA	0.00	0.00	0.00	0.00	0.00	PTS	0.00	0.00	0.00	0.00	0.00	PTS	0.00	0.00	0.00	0.00	0.00	0.00	0.00	PTS
GARNET	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	PTS	0.00	0.00	0.00	0.00	0.00
GOLD	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
GOETHITE	PTS	PTS	PTS	PTS	PTS	PTS	PTS	PTS	PTS	PTS	PTS	48.00	4.40	1.60	PTS	PTS	PTS	PTS	PTS	PTS
HEMATITE	207.29	9.54	289.09	70.67	69.38	381.60	95.40	117.78	197.87	431.71	12.72	202.36	318.00	192.73	424.00	530.00	93.28	601.02	376.89	141.33
ILMENITE	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
KIANITE	PTS	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
LEUCOXENE	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
LIMONITE	PTS	PTS	PTS	PTS	2.49	PTS	0.00	0.00	PTS	0.00	PTS	PTS	PTS	PTS	PTS	0.00	PTS	PTS	PTS	PTS
MAGNETITE	PTS	0.47	PTS	PTS	PTS	PTS	PTS	PTS	0.49	PTS	PTS	PTS	PTS	PTS	0.21	PTS	0.25	0.36	PTS	PTS
MALACHITE	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
MASSICOT	PTS	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
MONAZITE	9.78	450.00	272.73	133.33	65.45	0.00	90.00	0.00	186.67	5.82	720.00	0.00	200.00	PTS	40.00	200.00	58.67	252.00	177.78	PTS
NATIVE COPPER	PTS	0.78	PTS	0.00	PTS	0.00	443.70	0.00	0.00	0.00	0.00	0.24	0.00	0.00	PTS	0.44	1293.01	0.00	0.00	PTS
NATIVE LEAD	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	PTS	0.00	0.00	0.00	0.00	0.00	0.00
NATIVE ZINC	0.00	0.00	0.00	0.00	PTS	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
OLIGISITE	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
PYROLUSITE	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
PYRITE	PTS	0.00	0.23	PTS	PTS	PTS	PTS	0.00	0.00	0.00	PTS	0.14	PTS	PTS	PTS	PTS	0.00	0.00	0.00	0.00
PYRITE LIMONITE	PTS	PTS	PTS	0.00	57.60	0.00	0.00	0.00	0.00	PTS	PTS	PTS	PTS	PTS	PTS	PTS	0.00	0.00	0.00	0.00
PYRITE(OXIDE)	586.67	900.00	181.82	133.33	229.09	180.00	8460.00	22.22	1026.67	349.09	1200.00	54.55	250.00	36.36	240.00	50.00	PTS	63.00	44.44	266.67
PYROXENES	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.71	PTS	PTS	PTS	0.00	PTS	0.00	PTS	0.00	0.00	0.00	0.00	0.00
RUTILE	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SAPHIRE	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SERICITE	PTS	PTS	2.55	PTS	36.65	0.00	50.40	12.44	52.27	32.58	67.20	1.53	PTS	1.02	44.80	PTS	PTS	PTS	PTS	1.24
SMITHSONITE	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SPHALERITE	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ZIRCON	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	PTS	PTS	PTS	0.00	0.00	0.00	0.00

جدول (۴-۴): نتایج آنالیز نمونه های مینرالیزه برداشت شده

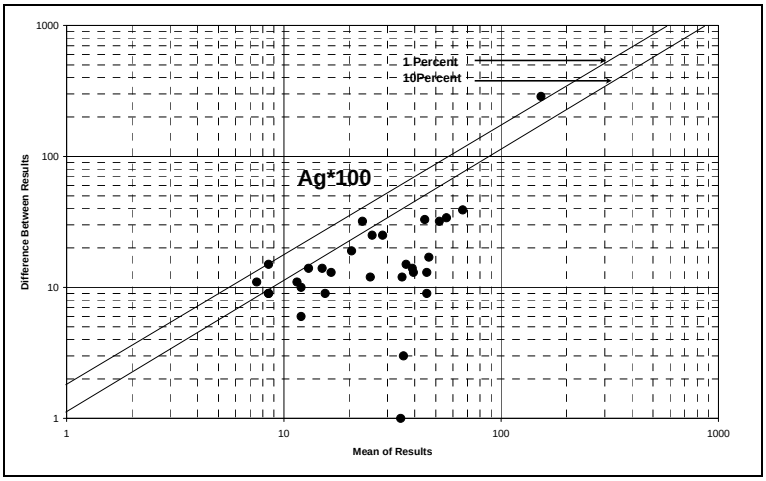
Sample No	UNITS	A2-23-M	A2-32-M	A2-108-M1	A2-108-M2	A2-109-M1	A2-109-M2	A2-113-M	A2-116-M	A2-117-M	A2-127-M1	A2-127-M2	A2-127-M3	A2-174-M	A2-184-M	A2-186-M1	A2-186-M2	A2-186-M3
Au	ppb	1.3	<1	4.17	2.95	3.62	<1	3.52	7.43	2.41	107	7.99	15.7	1.8	2.02	2.64	9.1	2.18
Ag	ppm	<0.01	<0.01	<0.01	0.16	<0.01	<0.01	0.07	<0.01	<0.01	0.42	0.72	<0.01	0.02	0.05	<0.01	<0.01	<0.01
Al	ppm	38100	11200	26200	29800	31400	4950	2110	4880	2810	9310	1060	2810	95600	67100	1670	2500	3300
As	ppm	0.8	1.1	2.7	5.1	3.9	2.7	25.5	2.3	5.7	59.9	11.6	206	7.5	2.2	8.5	1050	13.3
B	ppm	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Ba	ppm	184	123	145	222	174	28.6	125	172	436	76.6	59.9	64.5	343	214	382	64.5	537
Be	ppm	1	0.4	0.6	1.2	0.7	<0.2	0.5	0.2	<0.2	0.7	<0.2	0.3	1.5	1.6	<0.2	<0.2	0.2
Bi	ppm	0.2	<0.1	<0.1	0.2	0.2	<0.1	0.8	0.2	<0.1	0.3	<0.1	<0.1	<0.1	0.4	<0.1	1.3	<0.1
Ca	ppm	215000	189000	275000	246000	220000	1140	13100	271000	237000	19400	2510	75700	16000	113000	272000	20200	289000
Cd	ppm	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	0.3	<0.1	<0.1	0.2	0.3	0.2	<0.1
Ce	ppm	32.4	20.8	23.2	31.4	30.7	2.2	9.4	8.8	5.5	7.4	18	7.1	53.2	38.1	3.7	2.1	3.9
Co	ppm	7.8	2.5	6.4	8.9	6.4	2.5	61	11.4	<0.2	62.3	92.7	145	15.2	11.4	<0.2	62.3	<0.2
Cr	ppm	30	4	22	20	20	34	<2	<2	<2	<2	34	<2	84	62	<2	<2	<2
Cs	ppm	3.4	1.1	3.2	1.9	2.5	0.4	0.3	0.7	0.5	1.1	<0.1	0.3	2.5	6.4	0.4	0.2	0.6
Cu	ppm	14.5	8.4	12.4	27.2	12.9	13.1	992	26.3	10.7	636	205	135	14.4	24.4	11.8	472	<0.2
Fe	ppm	23600	68300	15400	23200	21700	15300	455000	102000	102000	450000	556000	433000	49500	36200	121000	529000	115000
Hg	ppm	<0.05	<0.05	<0.05	<0.05	<0.05	0.08	0.2	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	0.07
K	ppm	10600	3450	7640	6760	8110	592	505	1870	790	2320	102	484	24400	22400	581	597	1170
La	ppm	19	<10	12	19	16	<10	<10	<10	<10	<10	<10	<10	31	23	<10	<10	<10
Li	ppm	47.5	6.2	19.7	19.3	22.5	8.3	2.9	2.5	2.9	12	0.5	14.4	32.8	19.1	0.8	11.1	1.3
Mg	ppm	5690	27800	5010	3960	5270	1800	1390	1970	8980	2140	1180	2130	12400	4200	2990	1600	1870
Mn	ppm	1320	2460	331	3890	2510	552	187	8570	10600	55	230	1700	548	604	13700	2680	11400
Mo	ppm	0.6	0.6	0.3	1.3	0.3	1.9	5.2	5.4	2.8	3.4	15.1	3.7	<0.1	0.3	6	9	6.2
Na	ppm	4850	1440	2570	4980	3040	<10	23	<10	<10	25	53	<10	27800	7070	<10	12	<10
Nb	ppm	6.2	2	3.8	3.7	3.4	0.6	1	1.2	0.6	1.6	0.6	0.8	7.6	6.8	0.6	0.6	0.7
Ni	ppm	21.3	15.3	17.6	20.5	15.7	19	633	17.6	13.6	299	154	150	43.2	33.6	12.6	276	10.5
P	ppm	359	140	290	866	260	155	65	166	126	227	422	313	577	576	91	274	96
Pb	ppm	5.4	3.4	4.1	34.9	6.3	3.9	481	25.3	7.9	68.3	32.7	51.3	8.8	4.5	13.3	307	6.5
Rb	ppm	60.8	25.1	53.9	48	56.6	4.4	3.9	11.3	7	16.3	1.1	3.1	101	128	4.2	4.4	8.9
Re	ppm	0.007	0.006	0.007	0.008	0.007	0.008	0.008	0.008	0.009	0.008	0.008	0.007	0.009	0.008	0.007	0.009	0.007
S	ppm	2640	140	280	120	130	<50	300	<50	120	11000	870	3140	220	210	<50	320	<50
Sb	ppm	0.6	0.4	0.4	2	0.8	0.2	6	1	0.6	5	1.6	3.2	0.2	1	2.4	28.6	0.6
Sc	ppm	8	3	5	6	6	<1	<1	<1	<1	<1	<1	<1	16	12	<1	<1	<1
Sn	ppm	2.6	0.5	1.4	1.2	1	0.7	0.8	0.6	0.2	3	<0.2	1.8	3.4	3.3	0.7	2	0.7
Sr	ppm	578	418	190	227	911	9.8	29.8	84.9	159	28.9	18.7	55.5	107	250	105	42.7	99
Te	ppm	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Th	ppm	3.61	1.7	2.76	2.69	3.12	0.35	0.39	0.7	0.38	1.7	0.36	0.41	8.72	6.95	0.36	0.24	0.39
Ti	ppm	1960	484	1440	1510	1500	103	15	275	103	424	<10	59	5640	3380	99	16	148
Tl	ppm	0.2	<0.1	0.2	0.2	0.2	<0.1	<0.1	0.2	<0.1	0.5	0.2	<0.1	0.3	0.5	<0.1	<0.1	<0.1
U	ppm	1.02	0.71	0.9	1.16	0.91	0.08	5.81	3.31	2.32	1.96	6.52	1.71	1.86	1.61	5.21	3.75	2.7
V	ppm	55	17	39	32	41	7	48	17	33	54	73	46	105	65	18	57	13
W	ppm	0.8	<0.1	0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	0.4	0.7	<0.1	<0.1	<0.1
Y	ppm	15.5	12.2	6.32	22.7	13.8	1.13	6.3	10.6	3.2	3.74	9.45	6.01	11	16.1	2.28	0.56	3.22
Zn	ppm	63.1	36.7	41.6	75.3	40.5	15.1	75	49.3	56.9	62.6	68.1	48.7	61.9	162	61.9	38.3	24.8
Zr	ppm	34	12	30	30	34	6	7	9	6	21	<5	6	96	80	<5	<5	<5

جدول (۴-۴): نتایج آنالیز نمونه های مینرالیزه برداشت شده(ادامه)

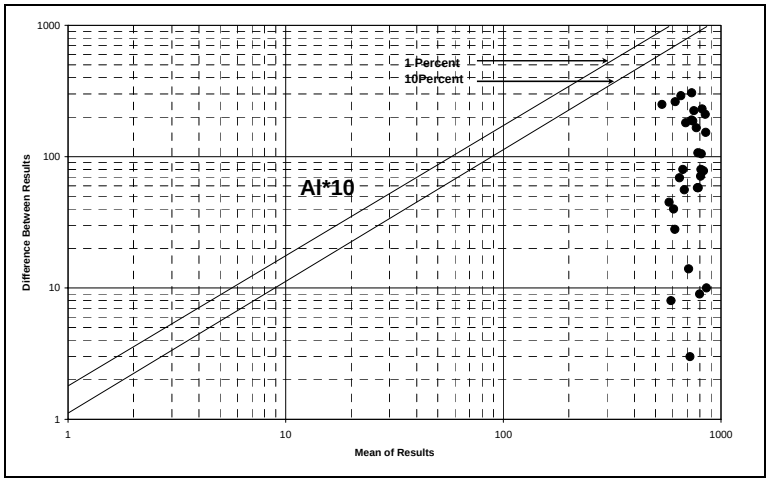
Sample No	UNITS	A2-186-M4	A2-191-M	A2-198-M	A2-200-M	A2-202-M	A2-205-M	A2-206-M	A2-255-M1	A2-255-M2	A2-258-M	A2-264-M	A2-293-M	A2-301-M	A2-308-M	A2-310-M	A2-311-M	A2-313-M
Au	ppb	4.59	2.55	3.14	1.24	2.74	<1	4	<1	2.94	1.32	<1	3.05	1.63	1.71	1.79	1.3	2.46
Ag	ppm	0.43	0.25	<0.01	<0.01	<0.01	<0.01	0.02	2.76	7.79	0.1	0.02	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Al	ppm	2510	84800	71700	41000	58900	1970	81700	862	1470	346	81500	8350	24800	39200	3450	14600	13300
As	ppm	196	5.9	4.8	1.9	3.4	<0.5	2.1	0.6	1.1	0.7	2.4	5.4	5.5	2.3	25	3	11
B	ppm	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Ba	ppm	7630	389	331	180	253	68.8	402	9540	9110	12400	321	877	200	197	81.8	216	167
Be	ppm	0.6	1.8	1.7	1	1.6	0.3	1.9	<0.2	<0.2	<0.2	2.9	1.7	0.9	1.4	0.2	0.7	0.6
Bi	ppm	0.9	0.3	0.3	0.2	0.4	<0.1	0.3	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	0.2	<0.1	0.2
Ca	ppm	179000	71700	125000	224000	133000	199000	70300	459	454	228000	74200	260000	242000	193000	303000	265000	277000
Cd	ppm	0.3	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	2.3	14.7	0.3	<0.1	4.2	0.2	<0.1	<0.1	<0.1	<0.1
Ce	ppm	5.3	56.1	41.1	31.1	41.3	13.2	56.2	<0.5	0.6	4	47.8	30.1	24.8	31.5	12.8	13.3	16.6
Co	ppm	17.7	17.7	12.7	7.8	16.5	2.5	16.5	<0.2	5	<0.2	16.5	19	7.8	8.9	7.8	3.8	5
Cr	ppm	<2	84	62	38	54	<2	78	<2	<2	<2	60	<2	20	38	<2	8	6
Cs	ppm	0.6	6.7	6.6	4	4.6	0.2	6.6	0.3	0.5	<0.1	4.6	0.9	2.5	3.2	0.4	1.4	1.6
Cu	ppm	133	27.4	24.1	13.9	31.9	4	28.7	9.9	31.5	4.5	48.5	9.2	22.4	12.4	76.1	21.1	66.3
Fe	ppm	159000	47300	35700	21600	45400	74700	43500	2190	5240	6670	40300	82900	50900	48600	42200	62600	46700
Hg	ppm	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	0.13	0.47	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
K	ppm	842	23000	21400	12400	14800	489	21600	88	190	50	17600	2230	7570	9750	586	3860	4040
La	ppm	<10	26	25	16	24	< 10	32	<10	<10	< 10	29	18	12	16	<10	< 10	<10
Li	ppm	2	55.1	38.9	21.5	35.5	1.3	58.6	0.9	1.7	1.1	34.1	4.9	29.1	26.1	1.3	8.6	6.5
Mg	ppm	2110	11400	10000	5600	7520	1750	12200	95	156	1180	6600	3250	3990	9570	1350	5130	2840
Mn	ppm	47000	820	646	418	1560	3260	686	90	200	699	778	6860	2030	2020	1870	2320	2810
Mo	ppm	6.5	0.5	0.3	1.3	0.4	4.5	0.3	<0.1	<0.1	0.2	0.5	3.1	1.1	0.3	2.1	0.8	0.4
Na	ppm	<10	11300	9740	5540	9020	<10	11400	<10	12	<10	287	481	1550	4790	574	1690	1020
Nb	ppm	<0.5	8.7	7.3	4.3	6.1	<0.5	8.2	<0.5	<0.5	<0.5	7.7	1	2.5	3.8	<0.5	1.4	1.4
Ni	ppm	38	41.3	30.3	21.1	29.7	10.6	41.8	3.3	5.1	4.6	36	52.3	19.1	19.7	20.5	15.4	14.5
P	ppm	78	694	580	342	541	350	671	<5	31	17	493	185	278	<5	29	132	157
Pb	ppm	39.5	11.6	10.6	5.1	34.1	1.5	14.1	2350	6530	195	8.4	526	14.8	<0.2	53	8.4	20.2
Rb	ppm	4.7	123	124	67.8	85	3.9	120	1.2	1.8	0.7	99.9	17.1	52.3	64.8	5	28.2	29.1
Re	ppm	0.013	0.008	0.009	0.008	0.008	0.008	0.01	0.014	0.013	0.019	0.009	0.009	0.007	0.008	0.006	0.007	0.008
S	ppm	110	1780	1630	1330	1070	<50	500	1610	1600	1490	3780	220	190	<50	<50	280	140
Sb	ppm	4.8	1	1	0.6	1	0.4	0.8	9	27	1.6	0.6	9.6	1	0.4	0.8	0.2	0.4
Sc	ppm	<1	14	12	7	10	8	14	<1	<1	<1	13	3	5	7	<1	2	2
Sn	ppm	<0.2	2.7	3.4	1.2	2.6	0.5	3.2	<0.2	<0.2	<0.2	3.7	0.2	1.8	2.2	<0.2	1.3	1.3
Sr	ppm	221	211	352	526	209	79	273	<0.1	<0.1	2640	155	170	356	419	524	590	619
Te	ppm	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Th	ppm	0.36	8.24	7.16	4.05	6.04	0.61	9.04	0.06	0.03	0.06	7.44	1.08	2.43	3.85	0.54	1.34	1.16
Ti	ppm	65	4550	3630	2100	2920	63	4310	52	74	29	3890	412	1150	1980	152	658	585
Tl	ppm	0.3	0.5	0.4	0.3	0.4	<0.1	0.5	<0.1	<0.1	<0.1	0.3	0.3	<0.1	0.2	0.5	<0.1	<0.1
U	ppm	3.86	1.84	1.6	1.82	1.44	2.81	1.95	0.02	0.06	0.04	1.69	2.87	1.14	1.15	1.18	1.31	0.99
V	ppm	13	108	95	53	68	8	117	<2	3	2	118	13	37	57	11	21	20
W	ppm	<0.1	0.7	0.6	<0.1	0.3	<0.1	0.7	<0.1	<0.1	<0.1	0.7	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Y	ppm	1.53	14.2	16.5	12.1	20	32.8	17.6	<0.05	0.23	1.91	19	29.5	14.9	13.3	12.7	10.3	12.2
Zn	ppm	98	138	86.8	54.7	102	26.3	102	2390	8730	171	93.1	1990	240	5.4	32.8	41.8	43
Zr	ppm	8	95	78	42	65	7	96	<5	<5	<5	67	11	24	39	7	18	14

جدول (۴-۴): نتایج آنالیز نمونه های مینرالیزه برداشت شده(ادامه)

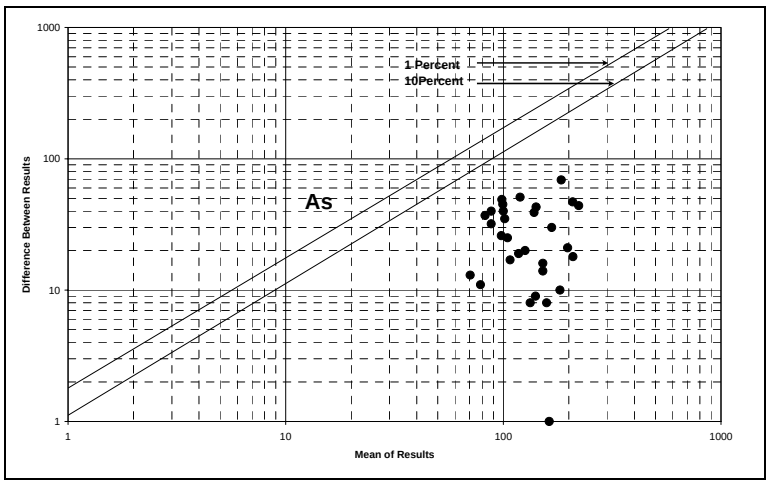
Sample No	UNITS	A2-348-M1	A2-348-M2	A2-348-M3	A2-348-M4	A2-356-M	A2-357-M1	A2-357-M2	A2-362-M1	A2-362-M2	A2-362-M3	A2-362-M4	A2-371-M	A2-372-M	A2-383-M	A2-397-M	A2-398-M	A2-440-M
Au	ppb	1.77	1.73	<1	3.47	13.4	<1	2.12	18.6	17.7	10.5	8.57	1.77	1.97	1.72	1.62	1.91	1.55
Ag	ppm	<0.01	<0.01	0.5	0.1	8.94	0.02	<0.01	0.57	1.66	13.3	4.61	<0.01	0.41	0.04	0.06	<0.01	<0.01
Al	ppm	3150	84900	91100	92200	1350	15100	7390	8270	2170	607	573	3190	1960	11800	15800	72500	5060
As	ppm	5.5	6.7	1.4	0.9	35.5	2.5	7.1	4.1	194	4.2	3	2	13.7	9.8	8.3	7	1.2
B	ppm	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Ba	ppm	242	296	299	405	45.7	43.9	330	47.3	58.6	75.4	336	281	22	42.8	83.5	334	31.5
Be	ppm	<0.2	1.8	1	1.8	0.3	0.3	0.3	0.9	<0.2	0.3	1.3	0.4	0.6	0.5	0.9	1.6	0.3
Bi	ppm	<0.1	0.3	<0.1	<0.1	9.6	<0.1	<0.1	5.6	5.4	2.8	0.4	0.1	0.4	0.3	0.5	0.3	0.1
Ca	ppm	308000	65500	70300	45500	53300	109000	355000	27500	48500	2530	5170	93100	944	4040	239000	62800	19400
Cd	ppm	<0.1	<0.1	<0.1	<0.1	12.3	<0.1	<0.1	3	1.3	0.2	0.7	<0.1	<0.1	<0.1	0.1	<0.1	0.1
Ce	ppm	32.9	50.6	24.3	47.6	8.5	11.2	28.9	10.2	7.4	1	9.8	5.2	6.3	5.3	18.9	38.3	4.6
Co	ppm	<0.2	12.7	31.8	24.1	113	6.4	3.8	154	58.5	41	137	3.1	163	17.6	6.5	9.3	4
Cr	ppm	<2	68	168	100	<2	14	<2	<2	8	<2	<2	3	<2	10	8	43	5
Cs	ppm	<0.1	5.5	1.2	1.4	0.2	0.9	0.9	0.8	0.2	<0.1	<0.1	0.8	0.2	0.7	1.1	5.4	0.3
Cu	ppm	1.4	30.5	88.7	28.5	3440	34	3.6	1720	5300	462	1300	12.6	571	1370	24.6	26	15.5
Fe	ppm	15900	46000	68700	57100	399000	24300	16400	483000	85200	210000	359000	12700	322000	317000	15400	36900	10900
Hg	ppm	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	0.07	0.06	<0.05	0.08	<0.05	0.16	<0.05	0.16
K	ppm	134	20100	15300	22600	333	2600	1670	2810	441	126	138	704	361	1510	3880	17800	601
La	ppm	17	30	12	28	<10	<10	14	<10	<10	<10	<10	<10	<10	<10	<10	21	<10
Li	ppm	7.1	56.4	45.7	28.6	1.5	19.6	8.5	1.2	1.7	0.6	0.8	4.1	1.5	1.8	6.9	43.8	9
Mg	ppm	3580	13800	35900	24100	2190	5850	2910	1800	707	970	1550	936	745	1770	3840	13300	992
Mn	ppm	2530	807	964	739	1280	642	2170	90	1730	182	501	551	<2	<2	2340	612	323
Mo	ppm	0.2	<0.1	0.4	0.3	1	0.8	0.6	3.7	1.4	1.9	1.7	1	6	16.9	0.9	0.4	1.4
Na	ppm	<10	12100	19500	30400	<10	637	<10	<10	<10	49	50	<10	58	53	3290	9890	448
Nb	ppm	<0.5	7.9	11.7	10.5	<0.5	1	1	1	<0.5	<0.5	<0.5	<0.5	<0.5	1.2	2.5	9.8	<0.5
Ni	ppm	5.1	34.2	77.7	54.8	224	15.7	8.1	220	65.4	45.4	196	10.5	756	58.3	13.1	33.3	15.5
P	ppm	80	703	1050	857	<5	482	338	<5	<5	<5	<5	93	<5	<5	176	367	79
Pb	ppm	13.6	11.2	<0.2	<0.2	3980	11.1	12.4	2210	212	591	144	4.4	20.1	12.1	27.3	6.4	3.7
Rb	ppm	1.2	106	46	63.7	2.2	21.3	12.8	17.5	3.2	0.7	0.7	4.6	2.3	8.9	23.7	83.5	4
Re	ppm	0.008	0.007	0.007	0.008	0.007	0.007	0.008	0.008	0.007	0.012	0.011	0.011	0.009	0.006	0.008	0.008	0.007
S	ppm	<50	1460	190	210	1430	80	50	580	140	430	870	<50	1170	940	<50	680	<50
Sb	ppm	0.2	0.8	1.2	0.2	6	0.4	0.2	3.6	2.4	3.8	6	0.2	1.2	0.8	1.6	0.6	0.2
Sc	ppm	2	15	19	19	<1	2	7	<1	<1	<1	1.9	<1	<1	1	3	11	<1
Sn	ppm	<0.2	3	2.3	2.2	7.5	1.5	0.4	5.2	7.5	1.6	1.9	1.5	1.5	1.4	1.7	2.5	1.4
Sr	ppm	1580	279	418	231	64.4	557	357	34.3	37.4	18.3	26.4	202	22.9	32.8	862	194	41.3
Te	ppm	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	0.4	0.5	0.2	<0.2	<0.2
Th	ppm	0.23	7.86	1.21	7.09	0.31	0.82	1.3	1.2	0.33	0.08	0.22	0.39	0.48	0.94	2.02	7.34	0.4
Ti	ppm	44	4360	7770	5440	<10	471	356	277	94	<10	<10	139	28	261	816	3510	117
Tl	ppm	<0.1	0.4	<0.1	0.2	0.2	<0.1	<0.1	<0.1	0.8	<0.1	<0.1	<0.1	0.1	<0.1	<0.1	0.3	<0.1
U	ppm	0.22	1.64	0.33	1.69	1.3	0.21	0.57	2.5	0.85	0.84	2.05	0.24	1.58	5.17	1.13	1.55	0.13
V	ppm	11	90	108	117	34	19	18	54	9	30	52	4	42	42	30	134	9
W	ppm	<0.1	0.5	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	0.2	0.3	0.2	0.2	0.2	0.5	1.4	0.3
Y	ppm	16	13.6	14.2	21	3.65	7.55	22.7	5.75	3.38	1.74	6.9	8.68	8.04	4.78	19.1	18.3	2.97
Zn	ppm	18.3	100	92.3	93.6	3010	58.5	20.1	461	564	32.6	104	16.2	46.8	33.7	37.9	93.7	76.9
Zr	ppm	<5	87	58	68	<5	8	11	12	<5	<5	<5	<5	<5	6	16	74	<5



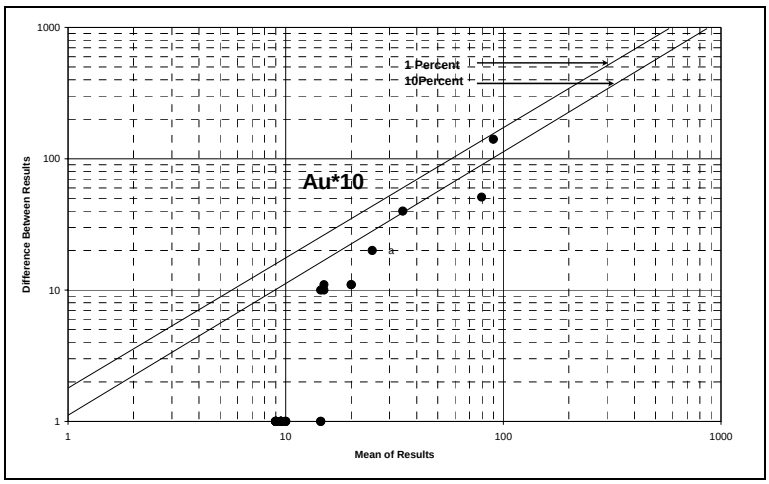
شکل (۲–۲): نمودار خطای آنالیز برای متغیر Ag



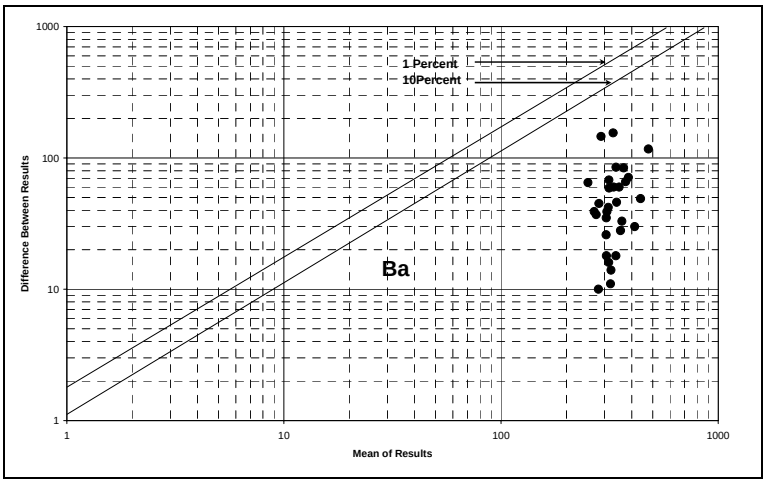
شکل (۲–۳): نمودار خطای آنالیز برای متغیر Al



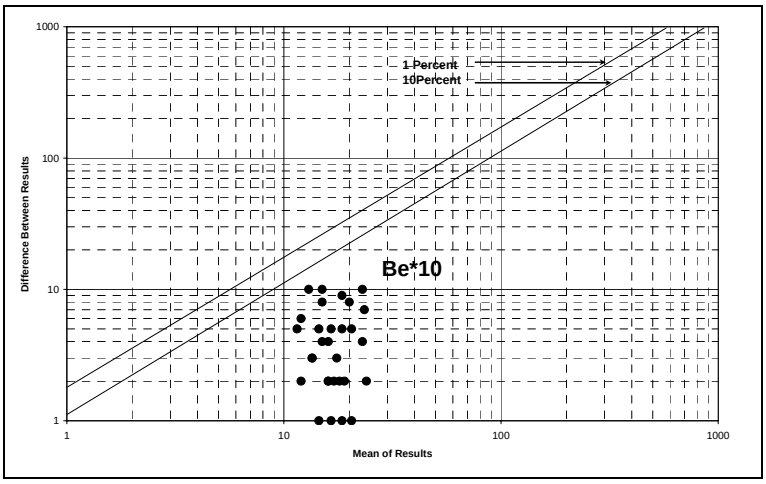
شکل (۲–۴): نمودار خطای آنالیز برای متغیر As



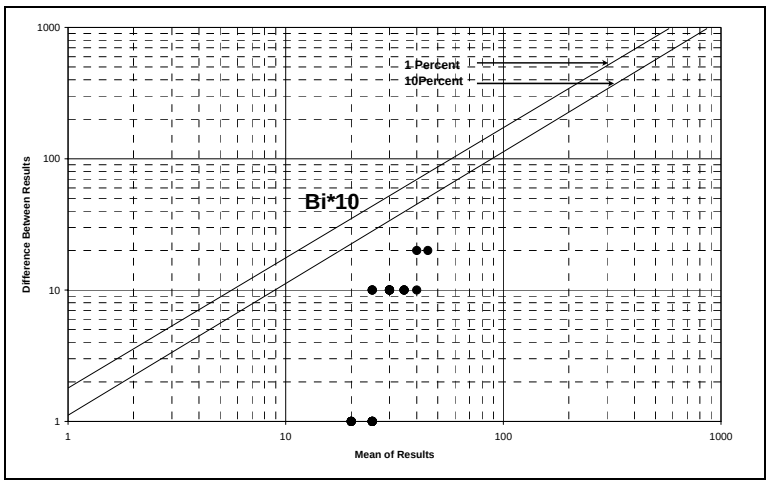
شکل (۲–۵): نمودار خطای آنالیز برای متغیر Au



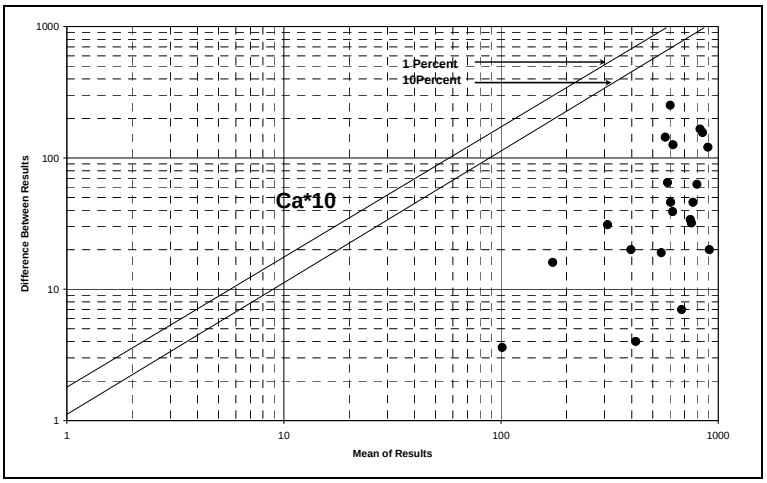
شکل (۲–۶): نمودار خطای آنالیز برای متغیر Ba



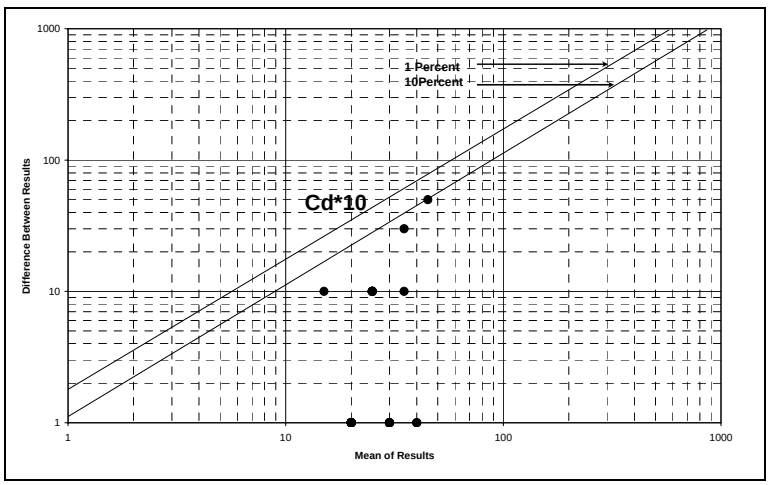
شکل (۲–۷): نمودار خطای آنالیز برای متغیر Be



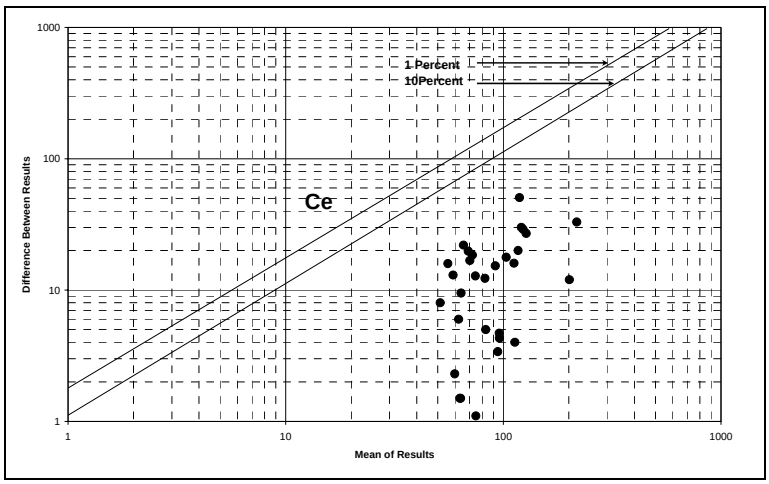
شکل (۲–۸): نمودار خطای آنالیز برای متغیر Bi



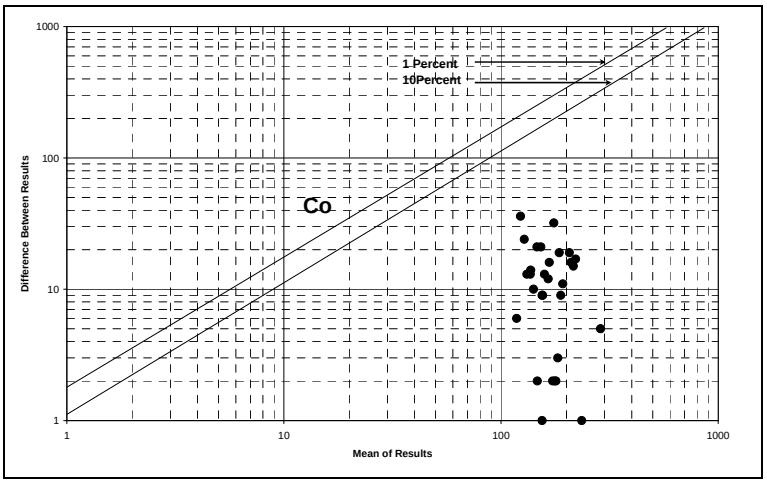
شکل (۲–۹): نمودار خطای آنالیز برای متغیر Ca



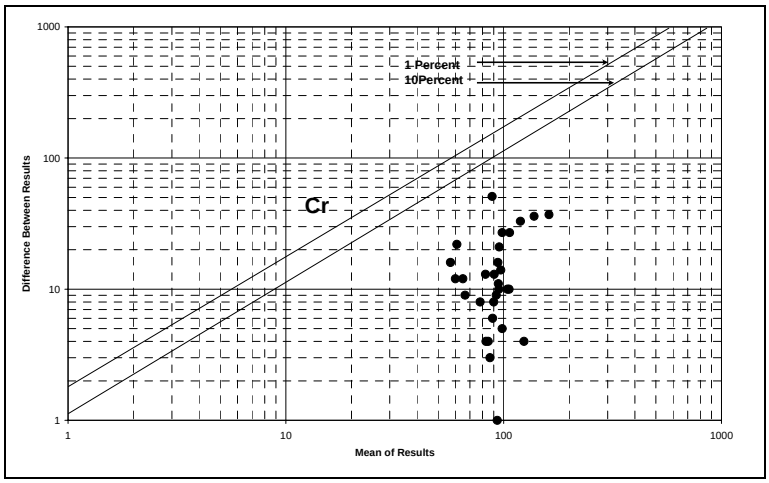
شکل (۲–۱۰): نمودار خطای آنالیز برای متغیر Cd



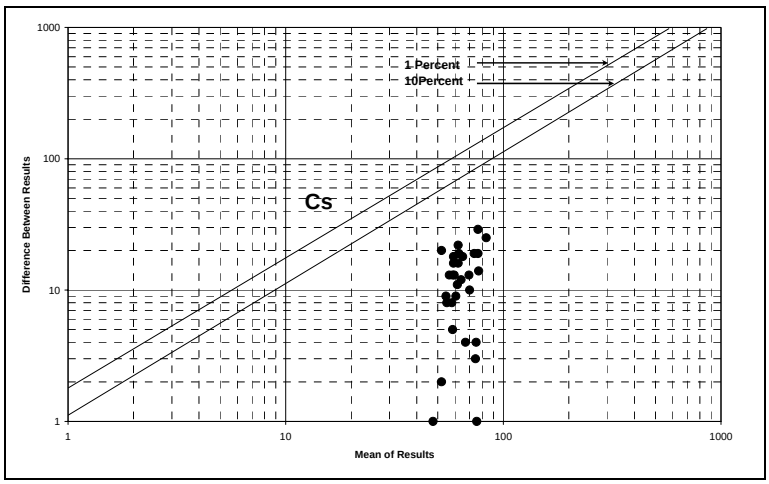
شکل (۲–۱۱): نمودار خطای آنالیز برای متغیر Ce



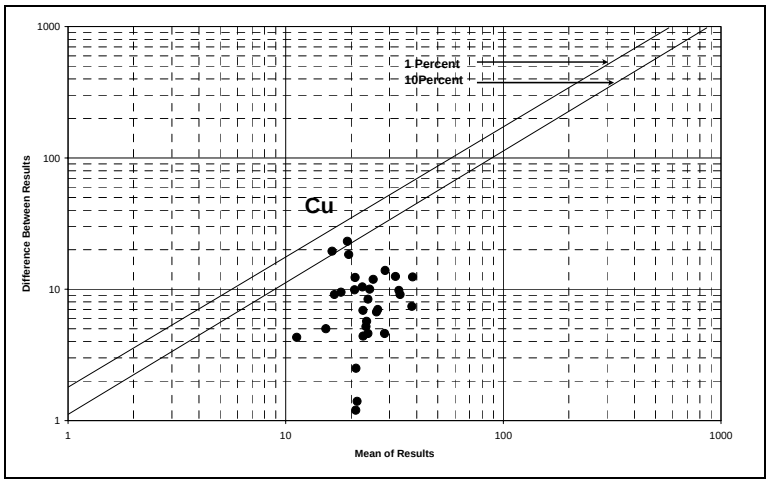
شکل (۲–۱۲): نمودار خطای آنالیز برای متغیر Co



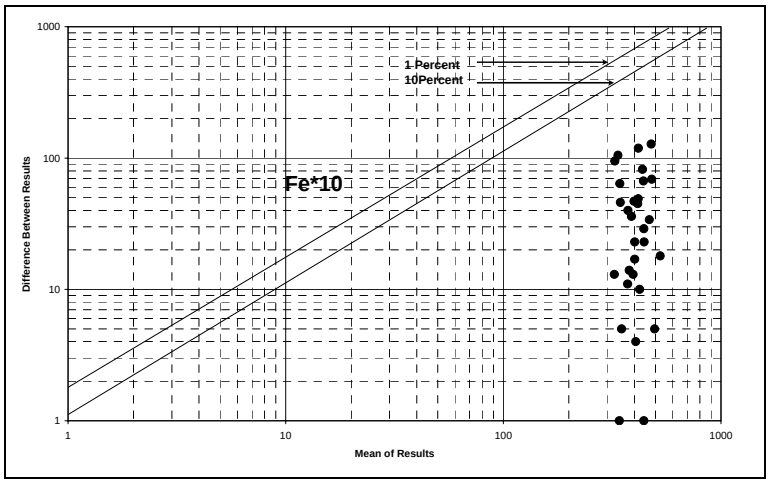
شکل (۲–۱۳): نمودار خطای آنالیز برای متغیر Cr



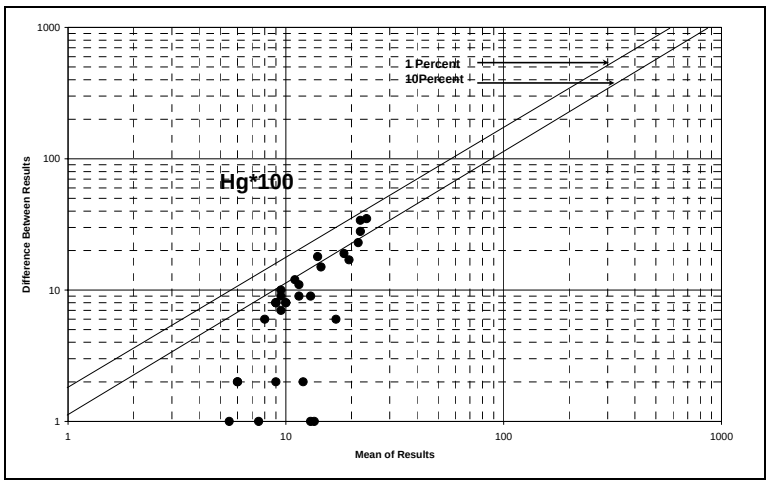
شکل (۲–۱۴): نمودار خطای آنالیز برای متغیر Cs



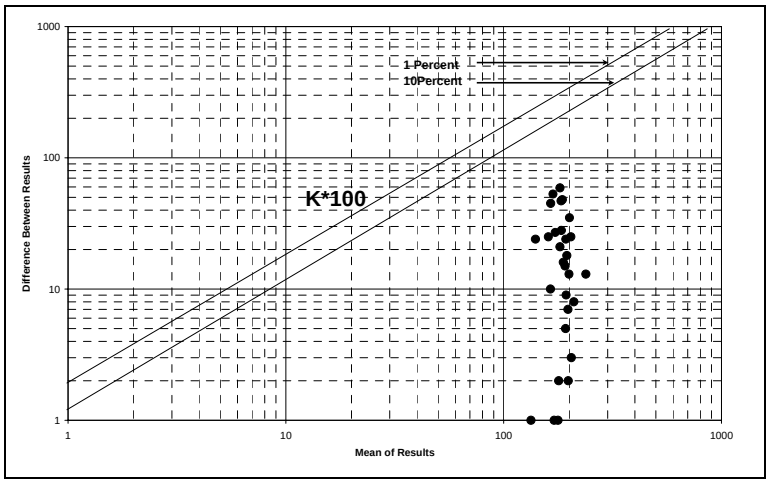
شکل (۲–۱۵): نمودار خطای آنالیز برای متغیر Cu



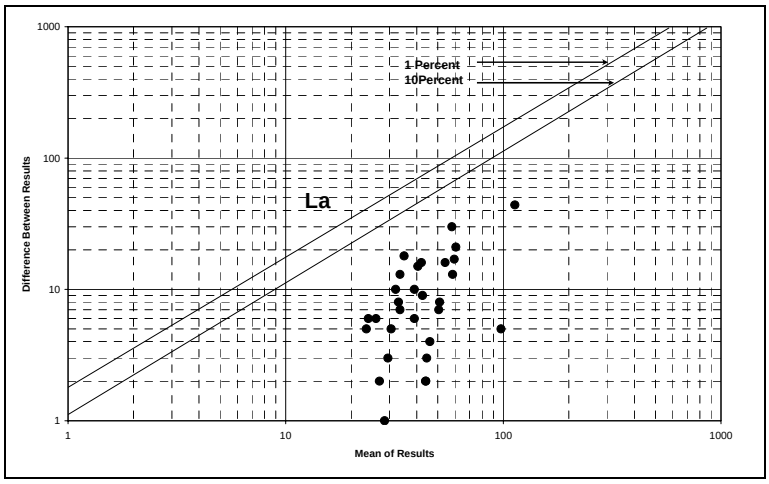
شکل (۲–۱۶): نمودار خطای آنالیز برای متغیر Fe



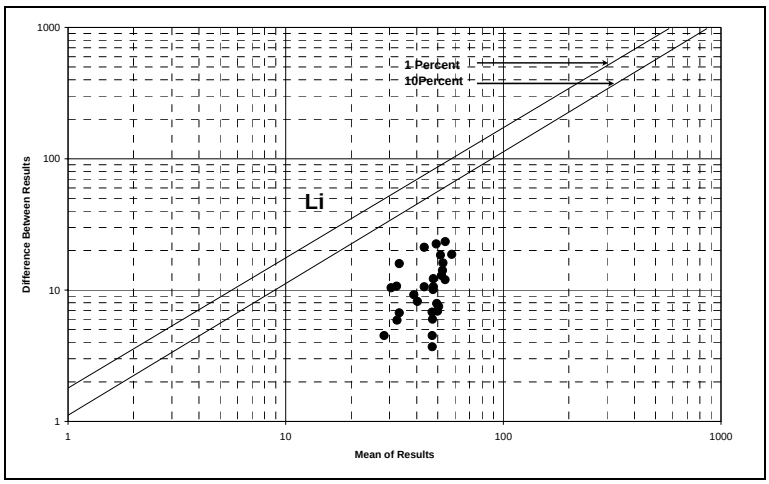
شکل (۲–۱۷): نمودار خطای آنالیز برای متغیر Hg



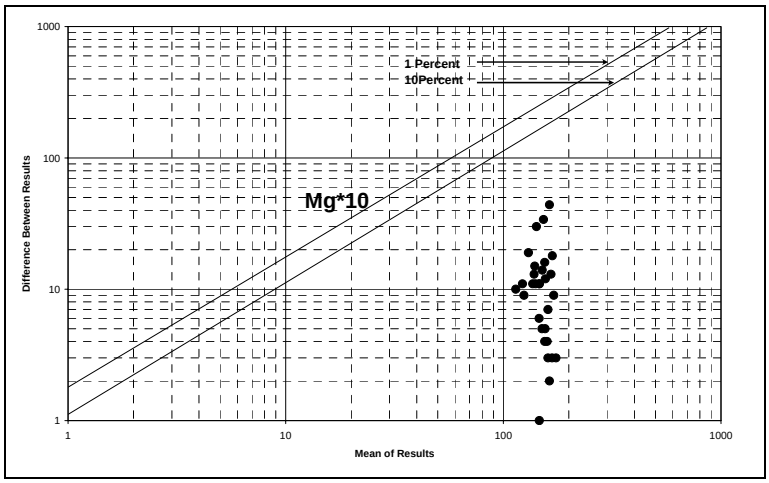
شکل (۲–۱۸): نمودار خطای آنالیز برای متغیر K



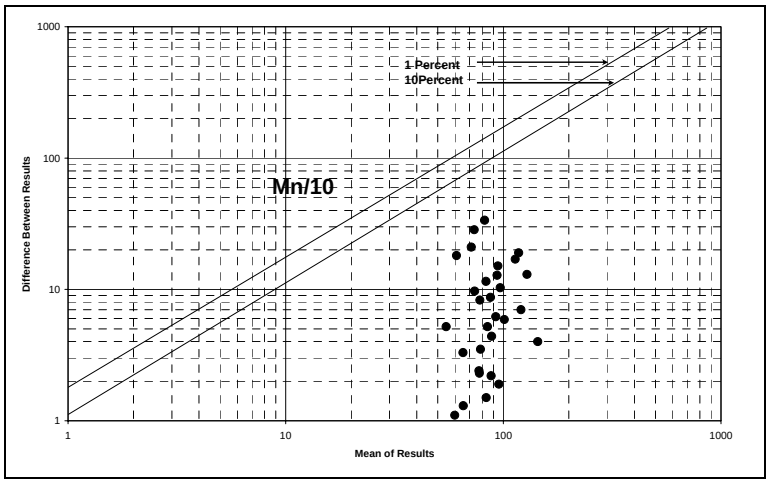
شکل (۲–۱۹): نمودار خطای آنالیز برای متغیر La



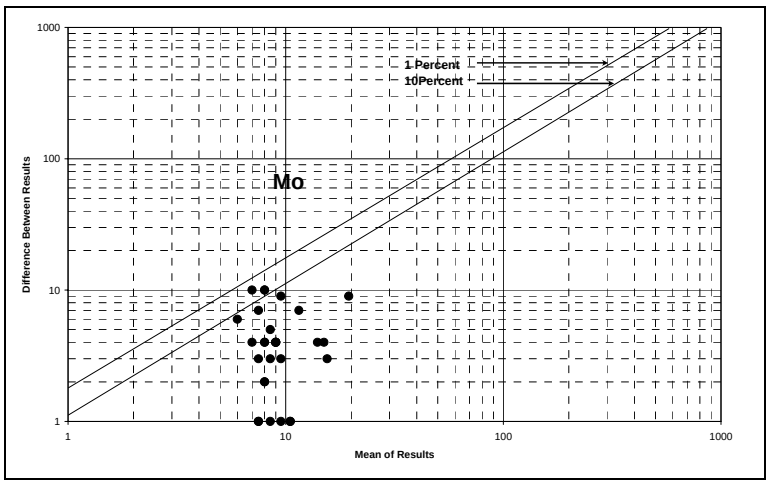
شکل (۲–۲۰): نمودار خطای آنالیز برای متغیر Li



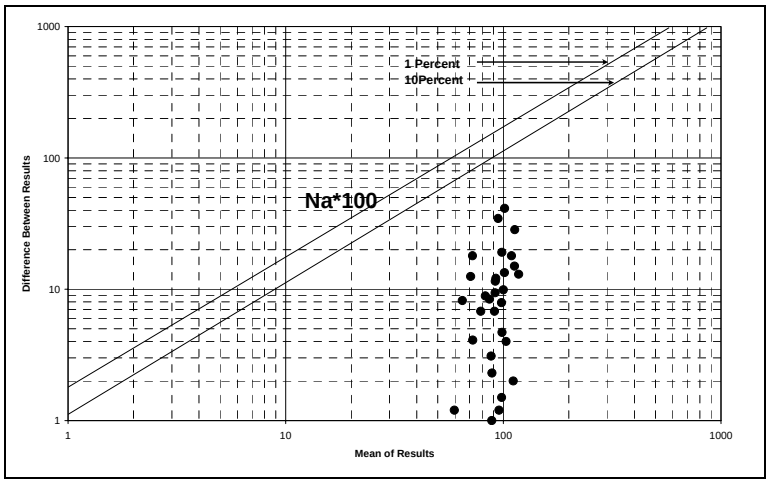
شکل (۲–۲۱): نمودار خطای آنالیز برای متغیر Mg



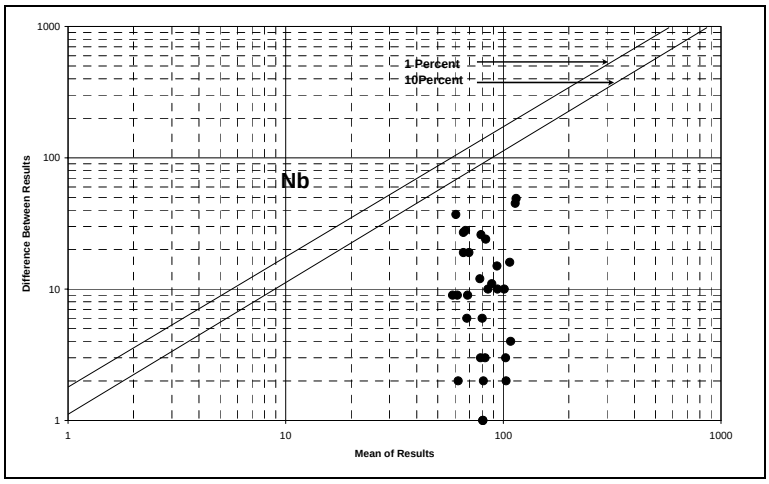
شکل (۲–۲۲): نمودار خطای آنالیز برای متغیر Mn



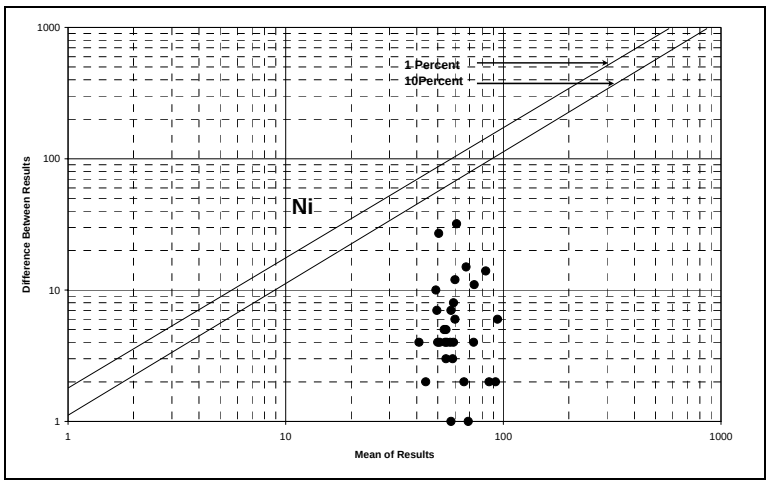
شکل (۲–۲۳): نمودار خطای آنالیز برای متغیر Mo



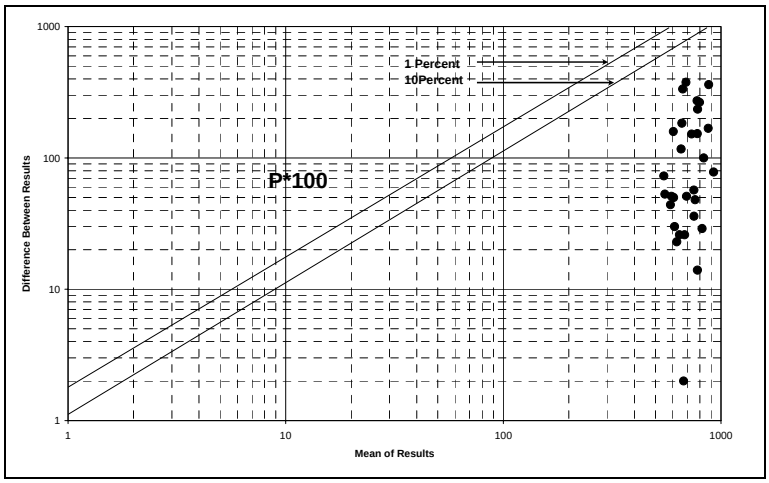
شکل (۲–۲۴): نمودار خطای آنالیز برای متغیر Na



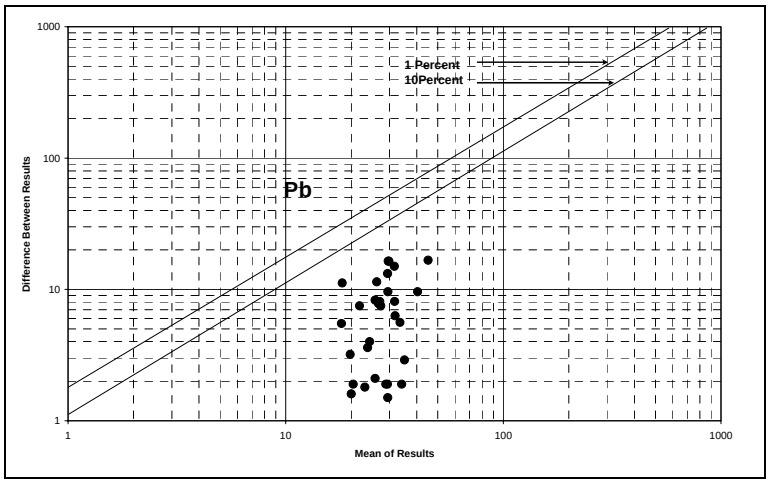
شکل (۲–۲۵): نمودار خطای آنالیز برای متغیر Nb



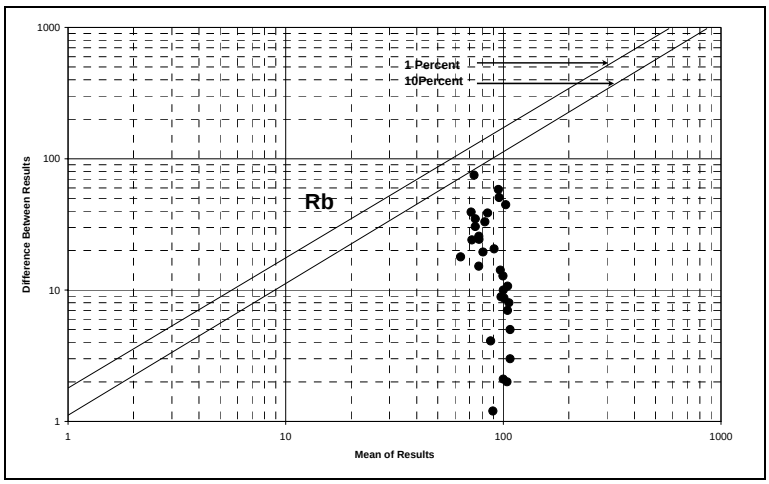
شکل (۲–۲۶): نمودار خطای آنالیز برای متغیر Ni



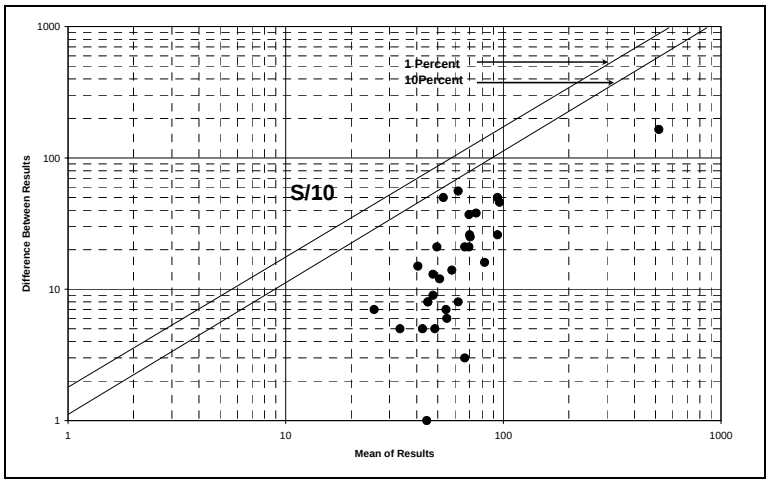
شکل (۲–۲۷): نمودار خطای آنالیز برای متغیر P



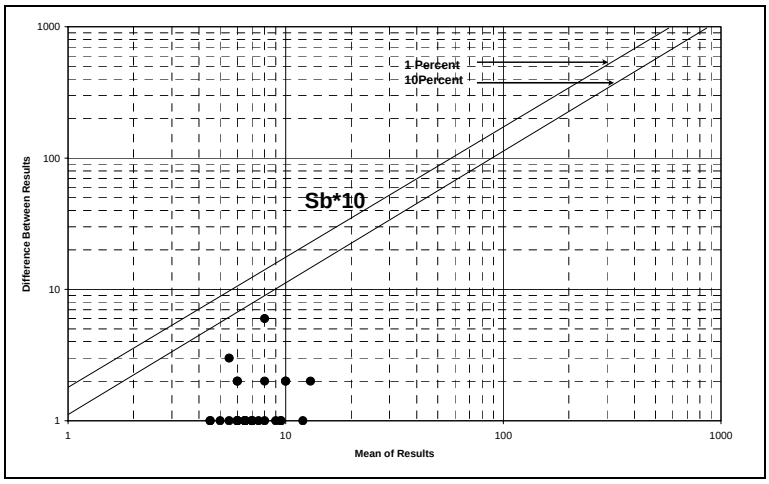
شکل (۲–۲۸): نمودار خطای آنالیز برای متغیر Pb



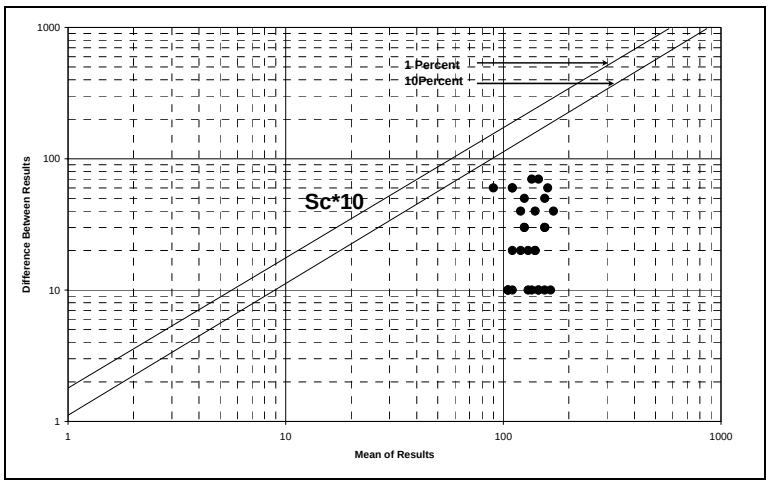
شکل (۲–۲۹): نمودار خطای آنالیز برای متغیر Rb



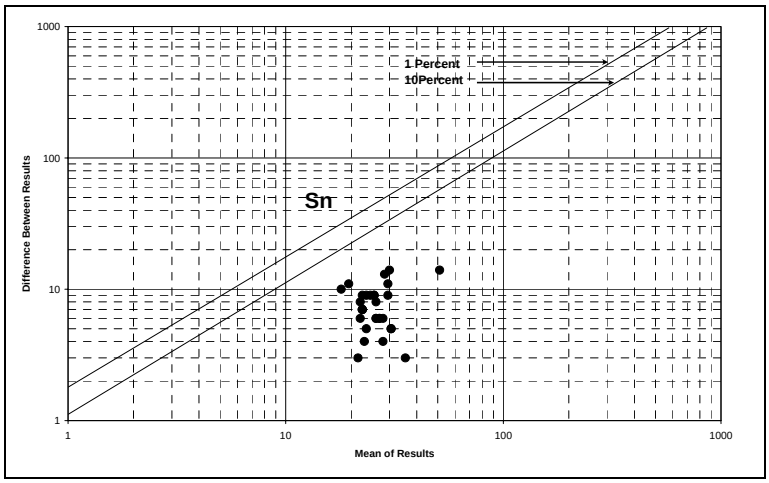
شکل (۲–۳۰): نمودار خطای آنالیز برای متغیر S



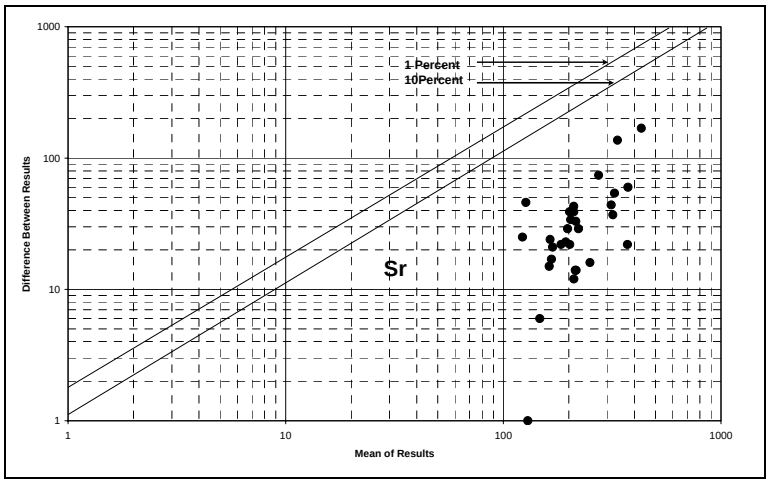
شکل (۲–۳۱): نمودار خطای آنالیز برای متغیر Sb



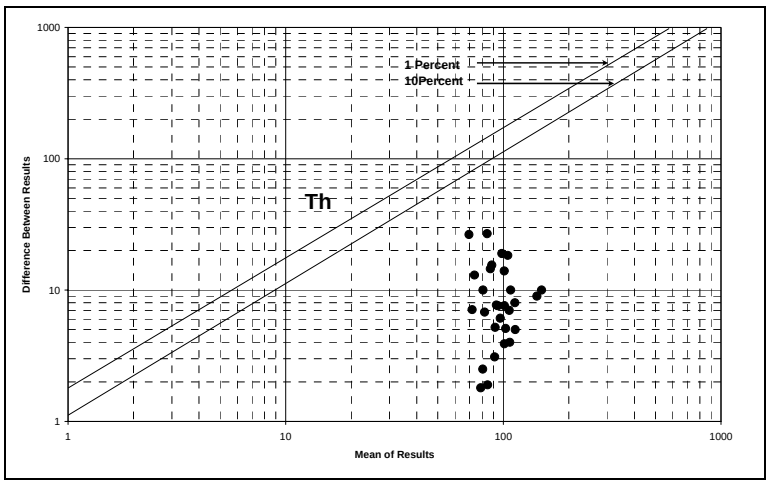
شکل (۲–۳۲): نمودار خطای آنالیز برای متغیر Sc



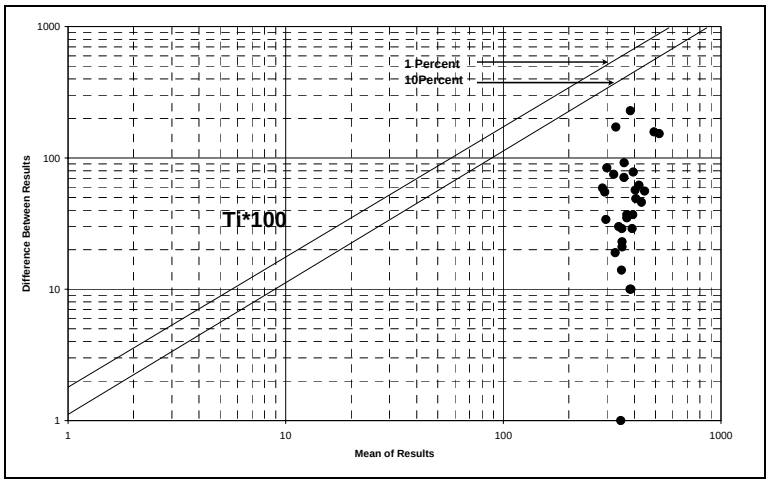
شکل (۲–۳۳): نمودار خطای آنالیز برای متغیر Sn



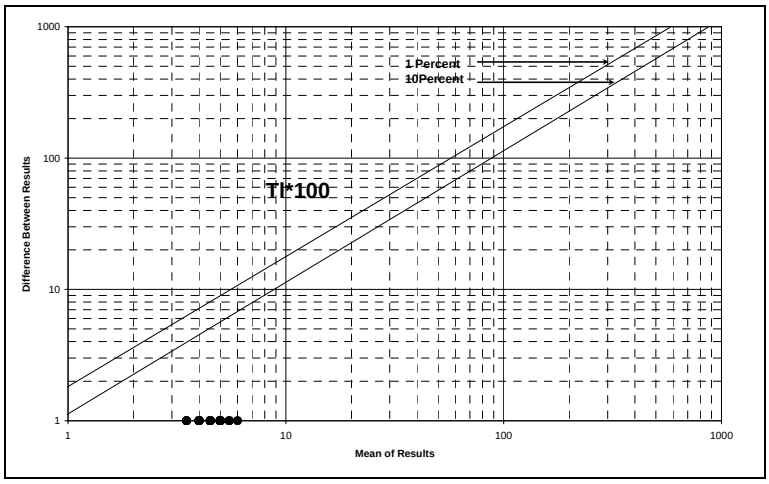
شکل (۲–۳۴): نمودار خطای آنالیز برای متغیر Sr



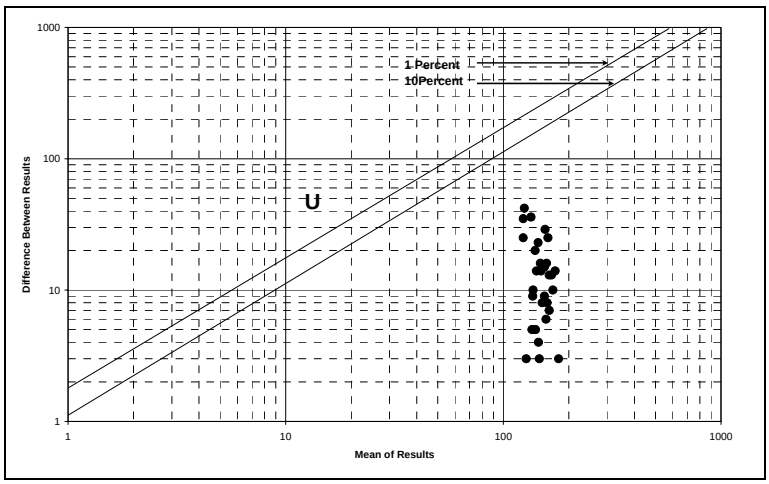
شکل (۲–۳۵): نمودار خطای آنالیز برای متغیر Th



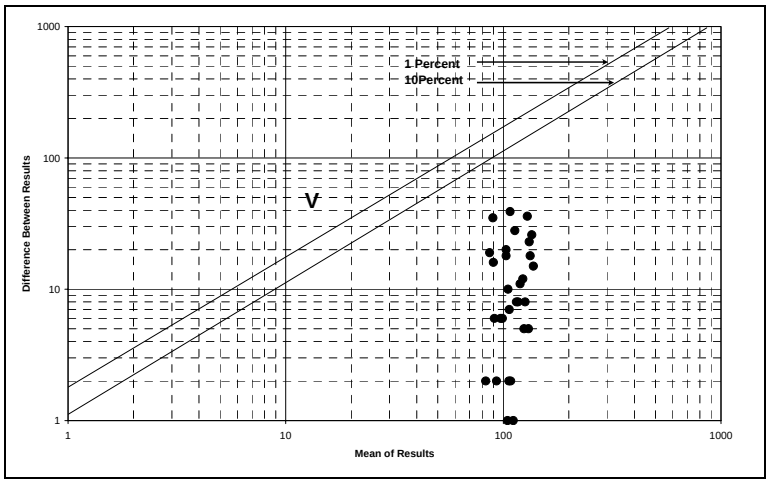
شکل (۲–۳۶): نمودار خطای آنالیز برای متغیر Ti



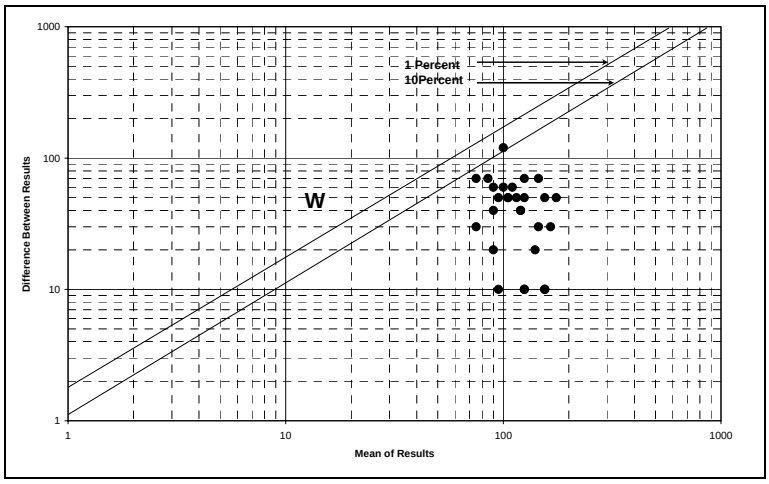
شکل (۲–۳۷): نمودار خطای آنالیز برای متغیر Tl



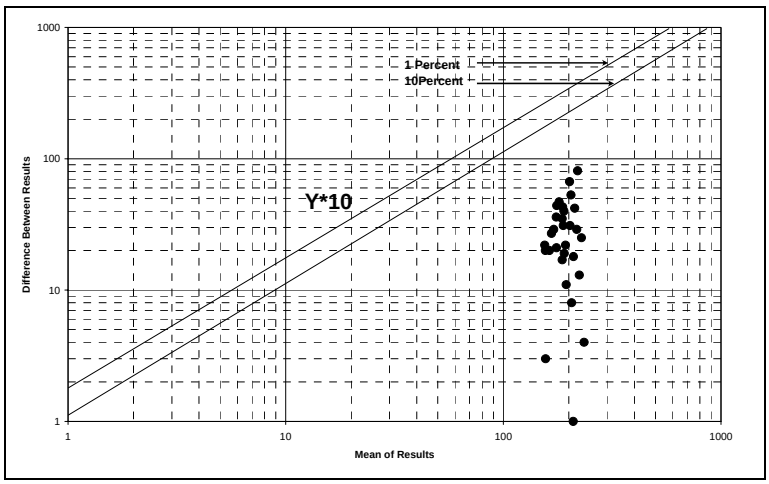
شکل (۲–۳۸): نمودار خطای آنالیز برای متغیر U



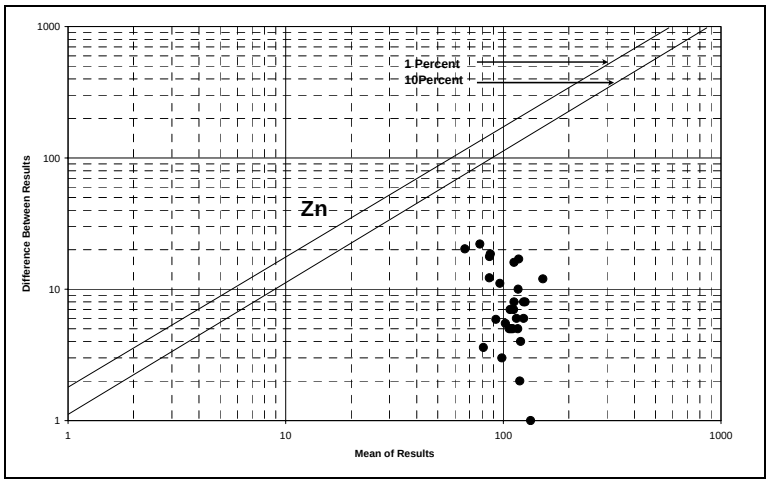
شکل (۲–۳۹): نمودار خطای آنالیز برای متغیر V



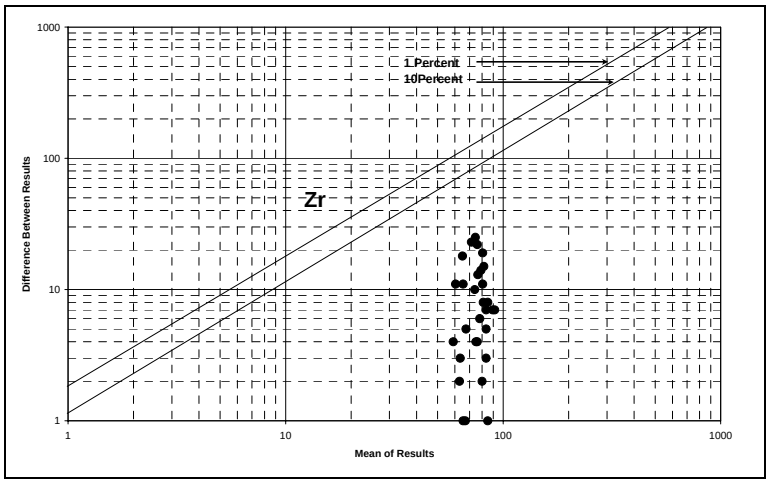
شکل (۲–۴۰): نمودار خطای آنالیز برای متغیر W



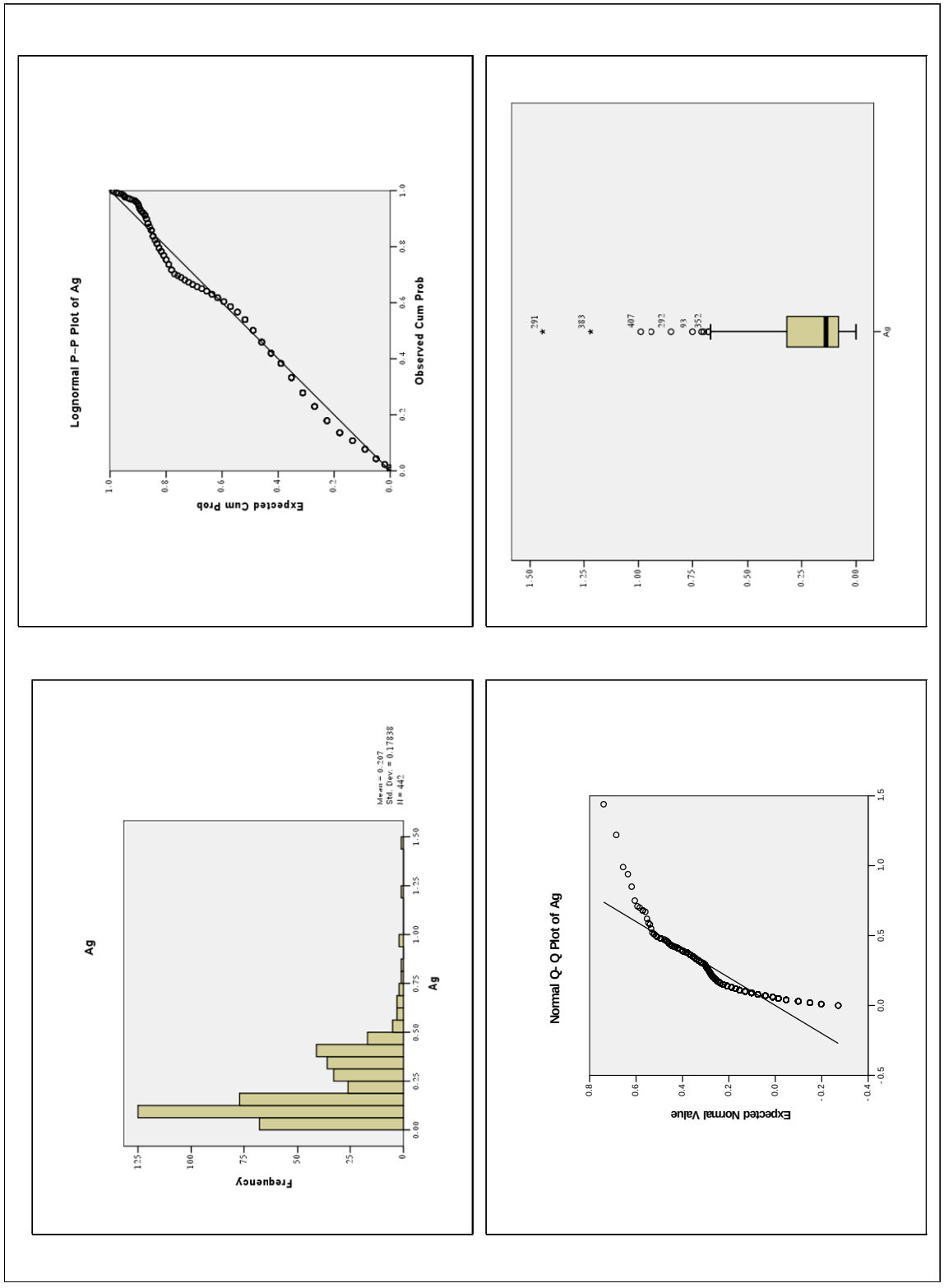
شکل (۲–۴۱): نمودار خطای آنالیز برای متغیر Y



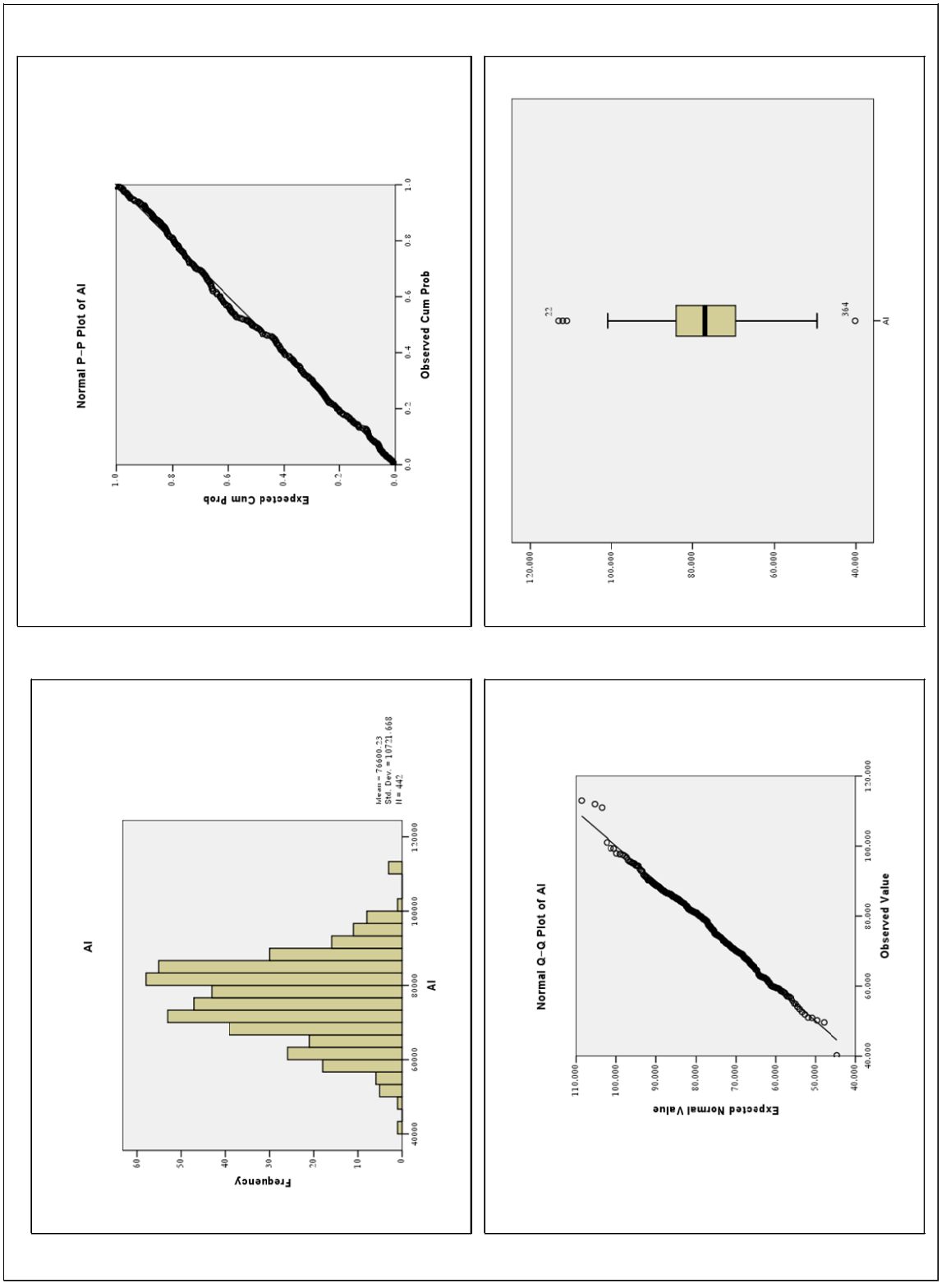
شکل (۲–۴۲): نمودار خطای آنالیز برای متغیر Zn



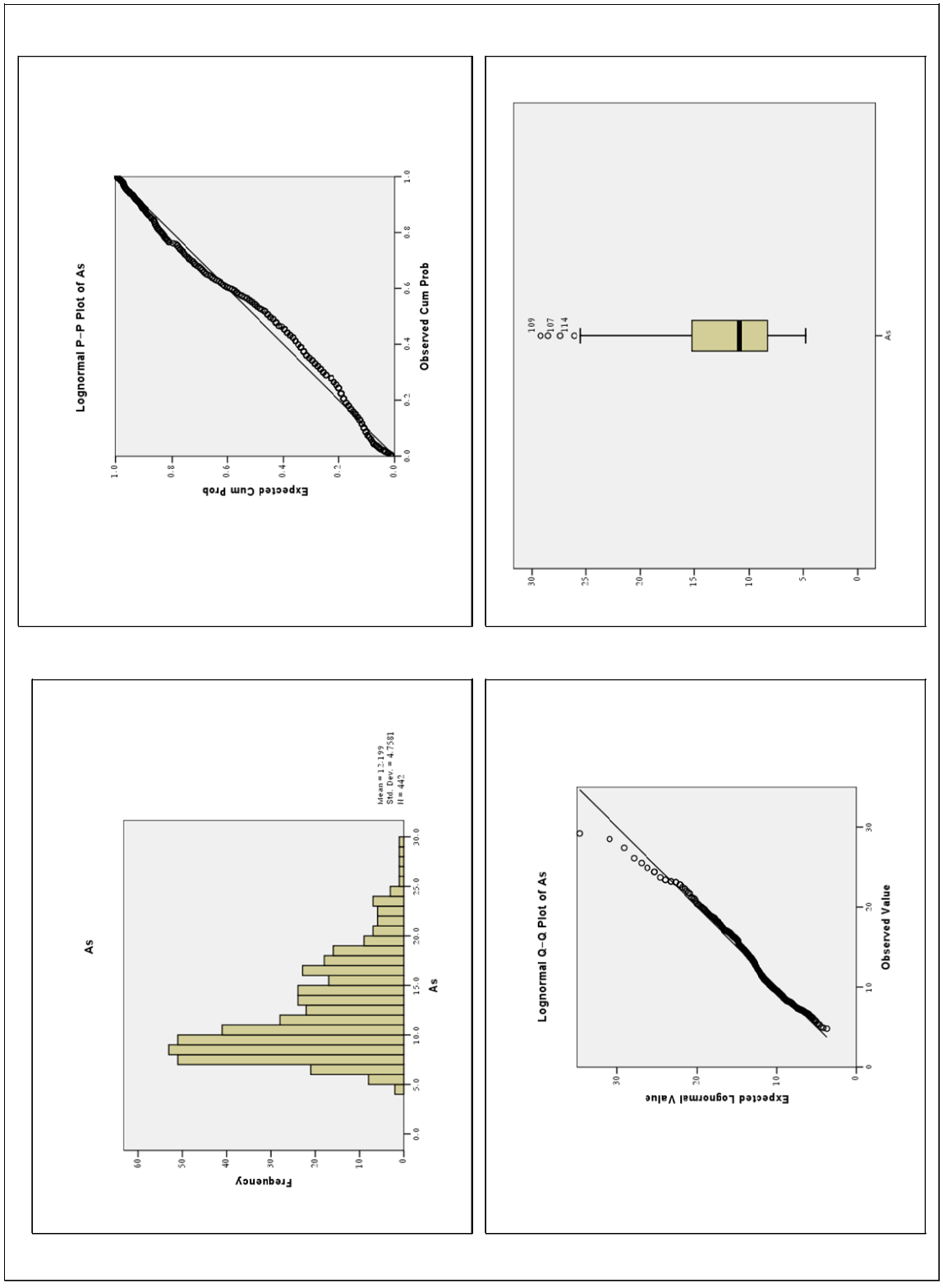
شکل (۲–۴۳): نمودار خطای آنالیز برای متغیر Zr



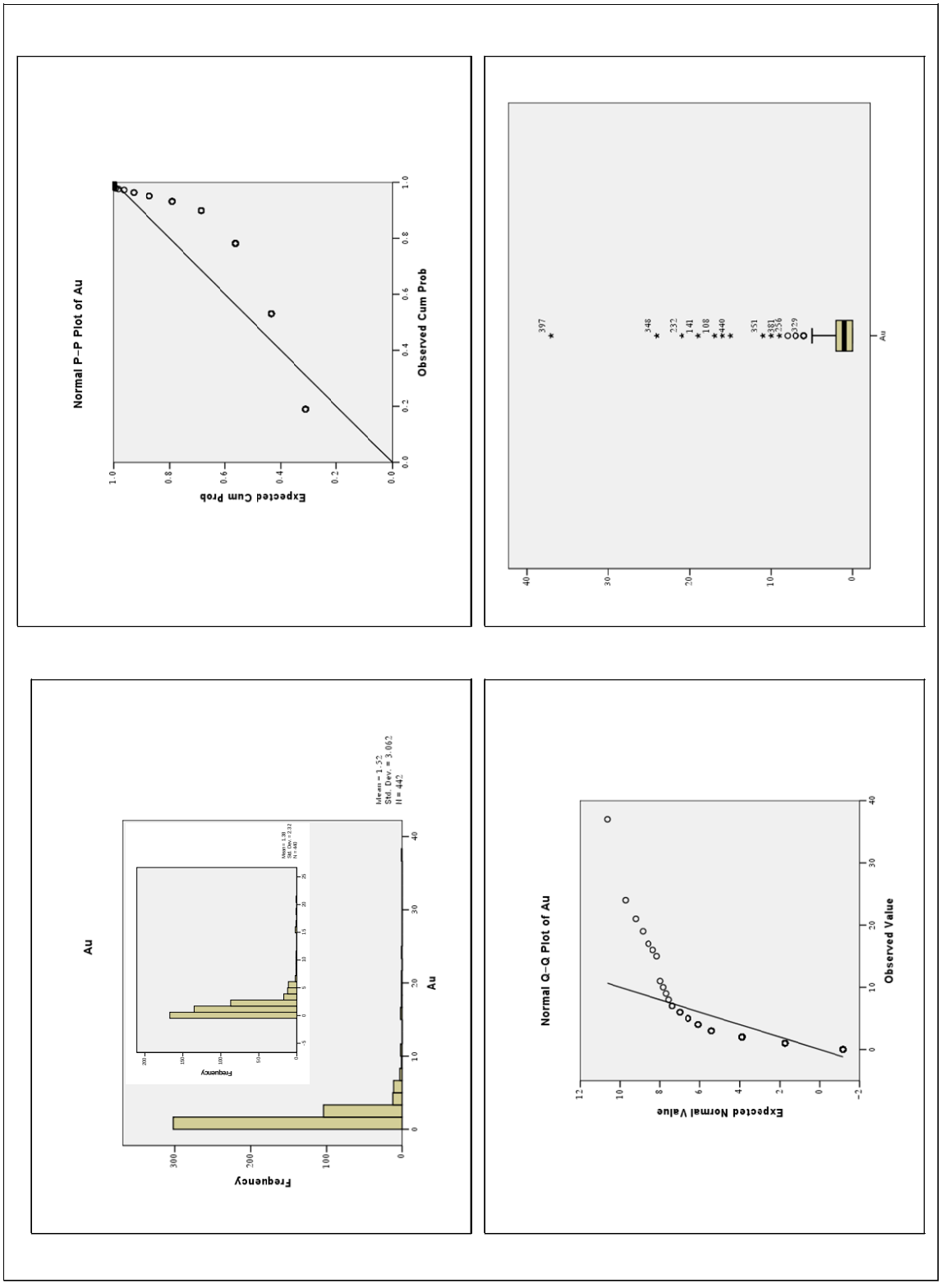
شکل (۲-۴۴): هیستوگرام و نمودارهای P-P, Q-Q و BOX PLOT ترسیم شده برای متغیر Ag در منطقه مطالعاتی.



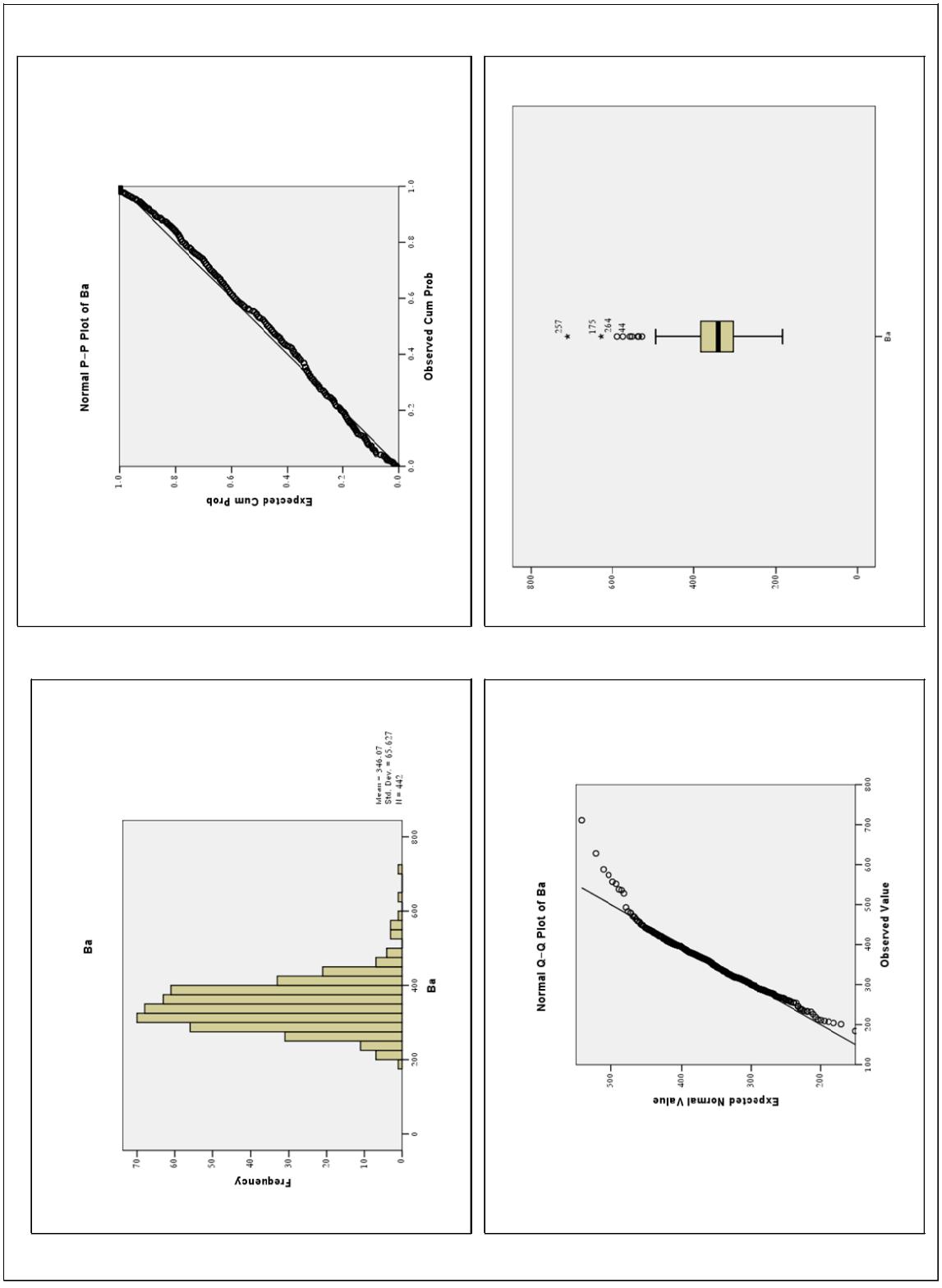
شکل (۲-۴۵): هیستوگرام و نمودارهای BOX PLOT **و** P-P, Q-Q **ترسیم شده برای متغیر** Al **در منطقه مطالعاتی.**



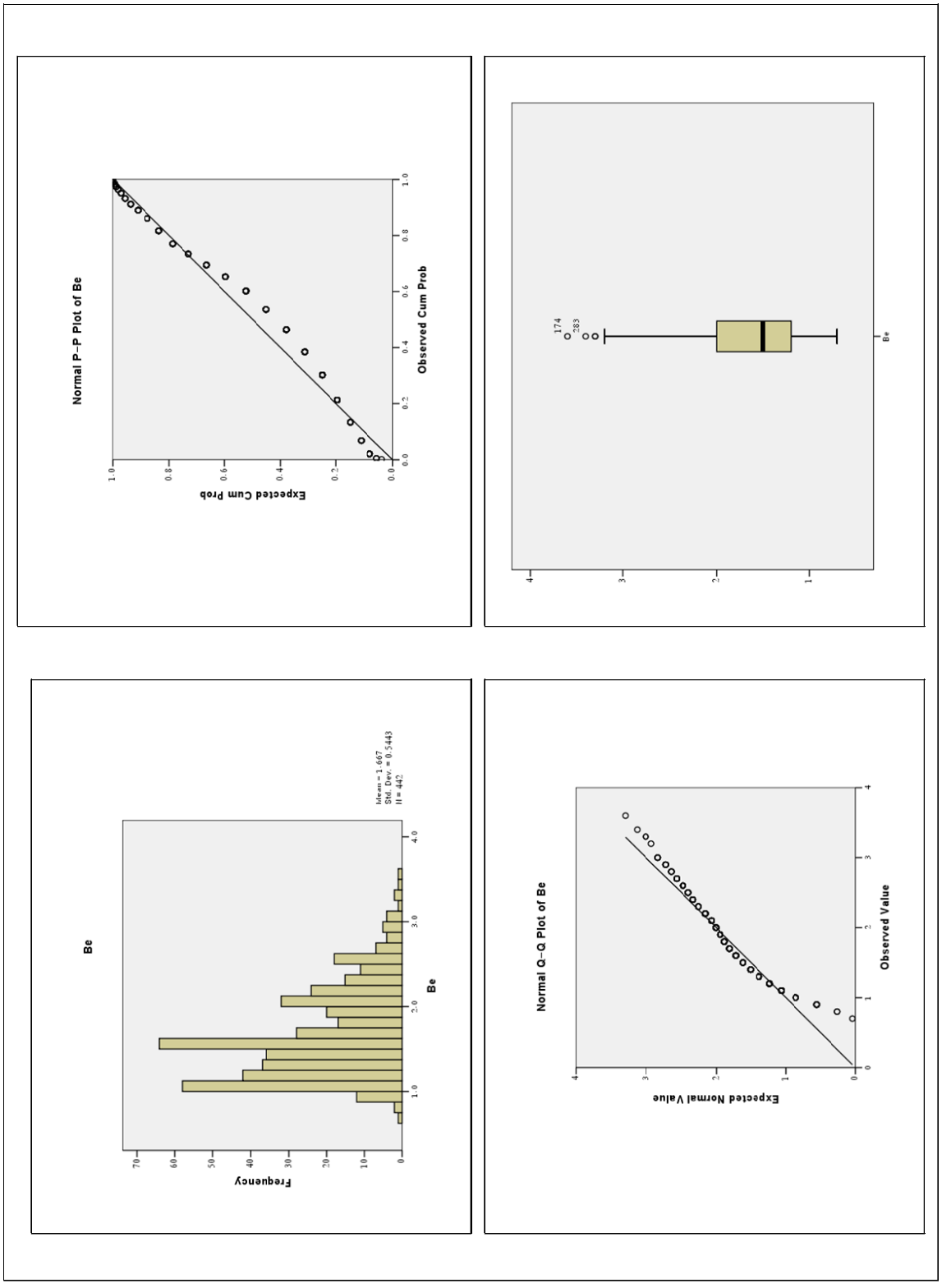
شکل (۲-۴۶): هیستوگرام و نمودارهای P-P, Q-Q **و** BOX PLOT **ترسیم شده برای متغیر** As **در منطقه مطالعاتی.**



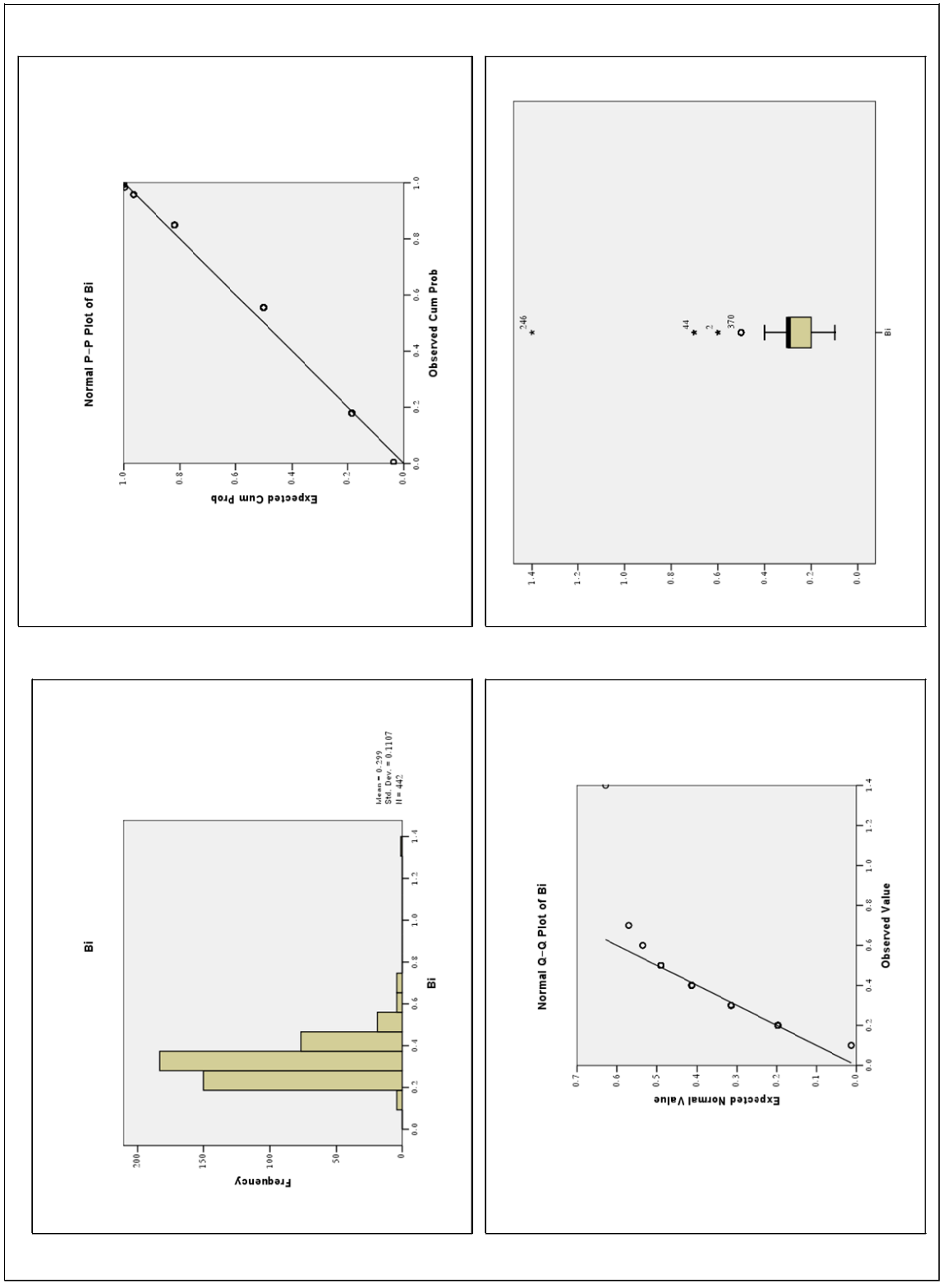
شکل (۲-۴۷): هیستوگرام و نمودارهای P-P, Q-Q **و** BOX PLOT **ترسیم شده برای متغیر** Au **در منطقه مطالعاتی.**



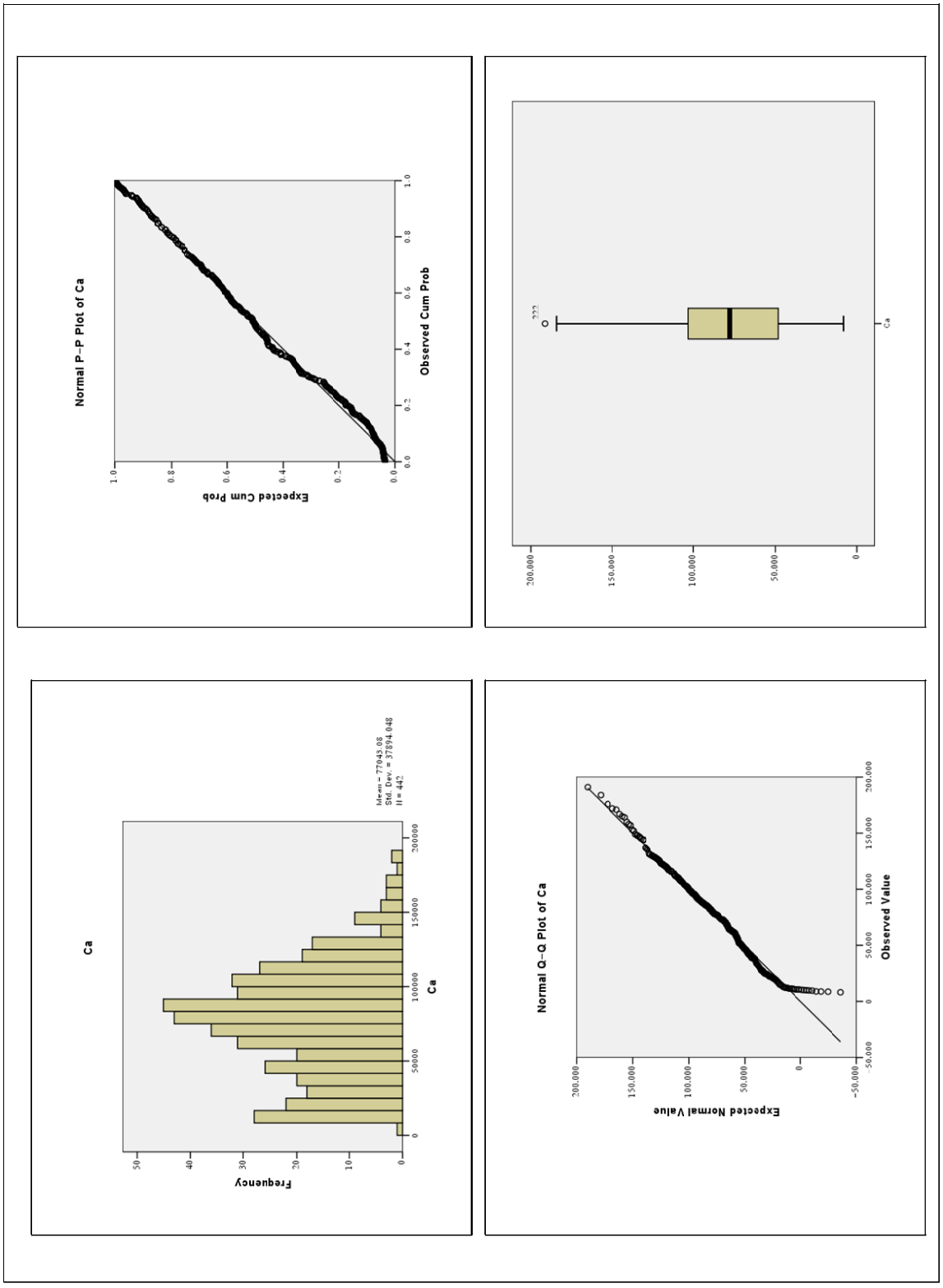
شکل (۲-۴۸): هیستوگرام و نمودارهای P-P, Q-Q **و** BOX PLOT **ترسیم شده برای متغیر** Ba **در منطقه مطالعاتی.**



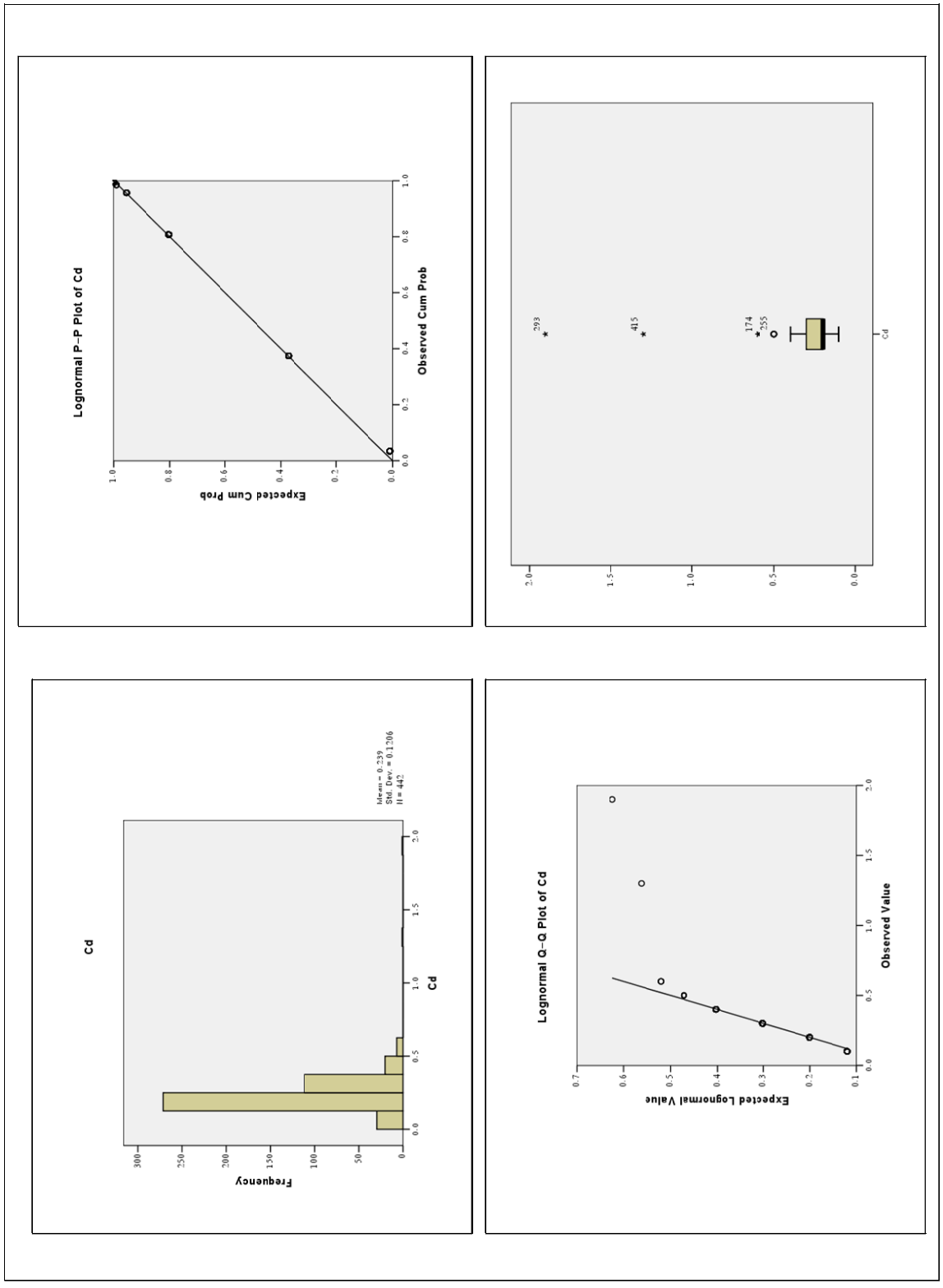
شکل (۲-۴۹): هیستوگرام و نمودارهای P-P, Q-Q **ترسیم شده برای متغیر** Be **در منطقه مطالعاتی.**



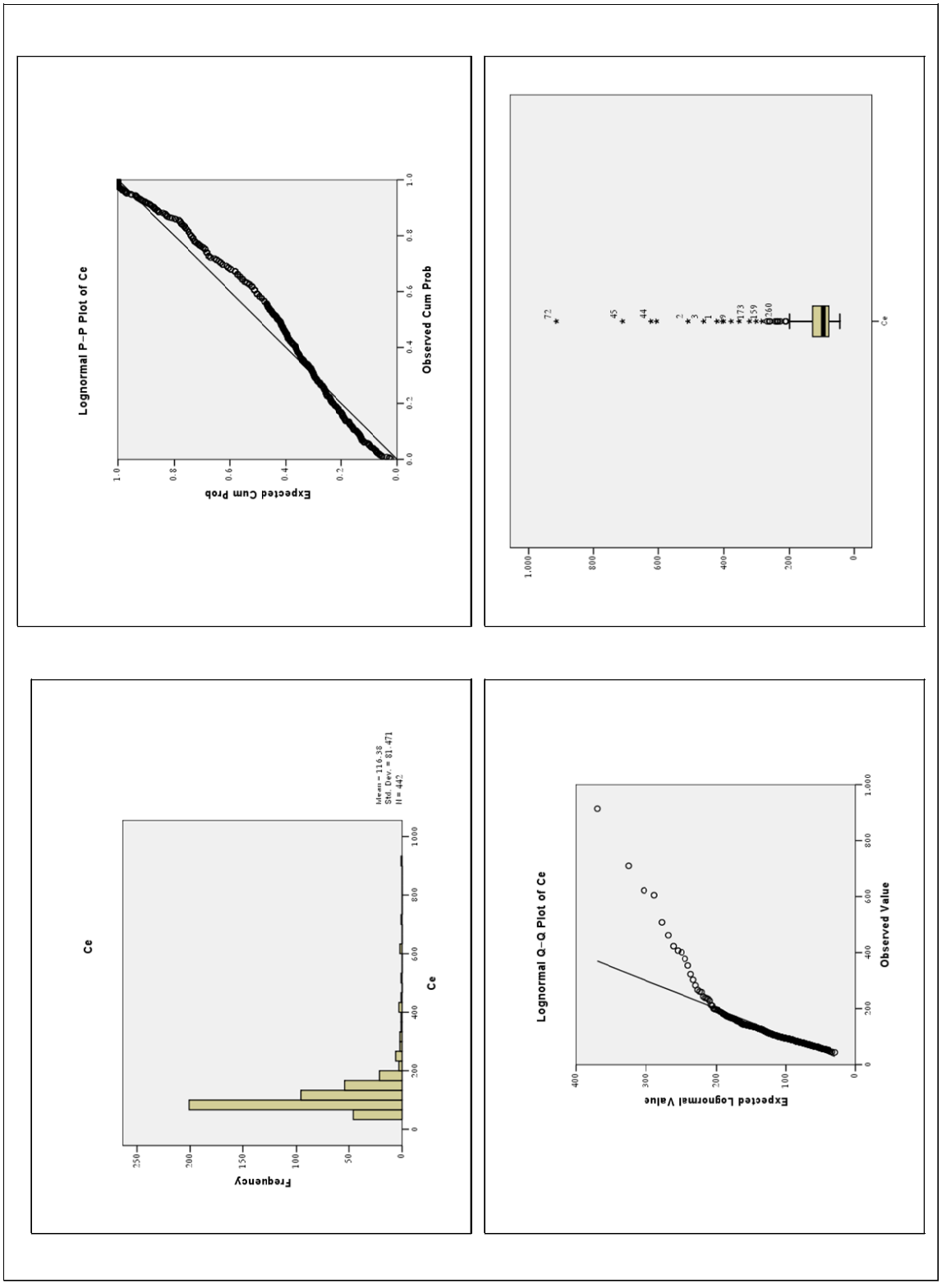
شکل (۲—۵۰): هیستوگرام و نمودارهای P-P, Q-Q و BOX PLOT توسیم شده برای متغیر Bi در منطقه مطالعاتی.



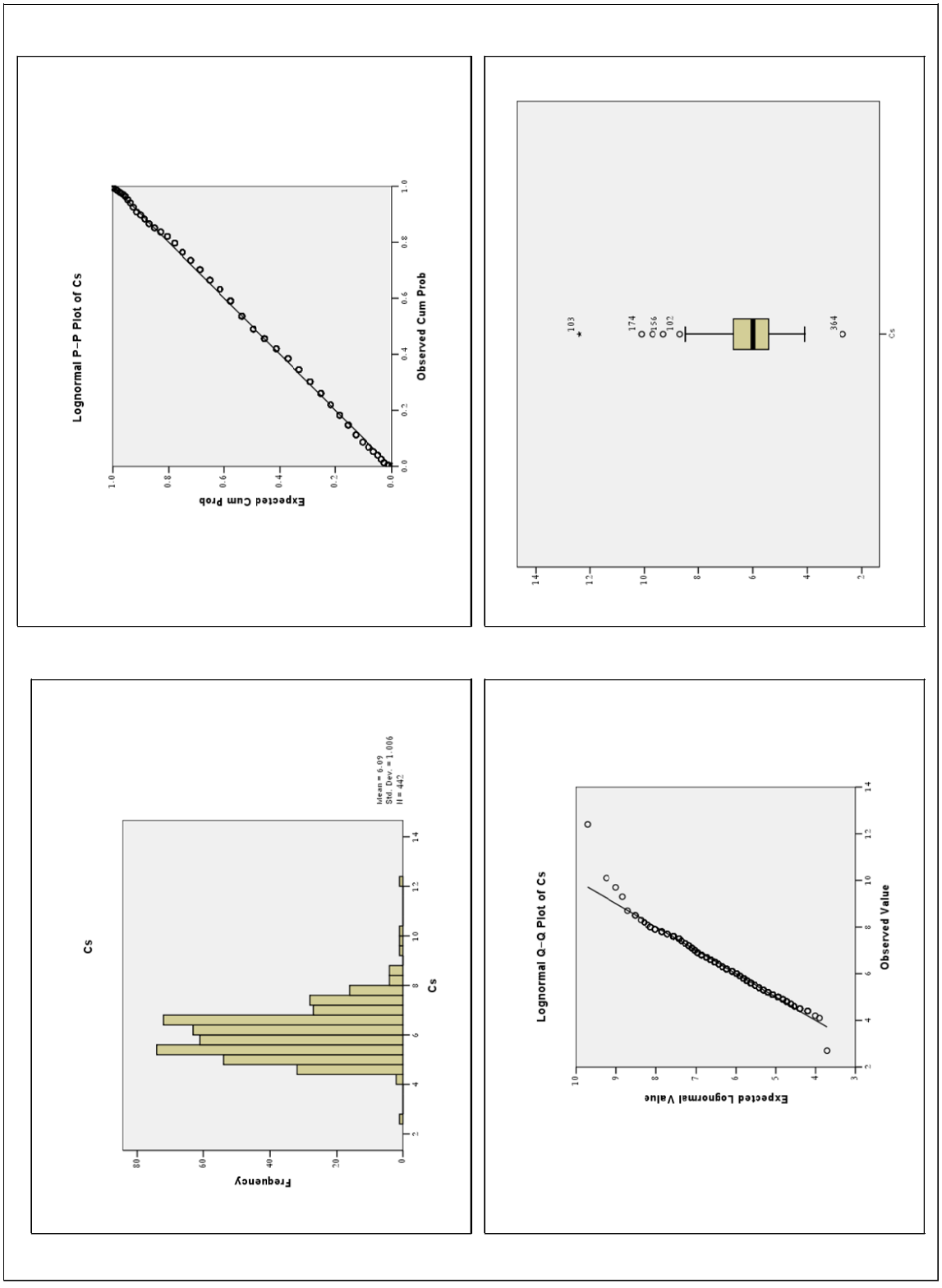
شکل (۲-۵۱): هیستوگرام و نمودارهای P-P, Q-Q و BOX PLOT **ترسیم شده برای متغیر** Ca **در منطقه مطالعاتی.**



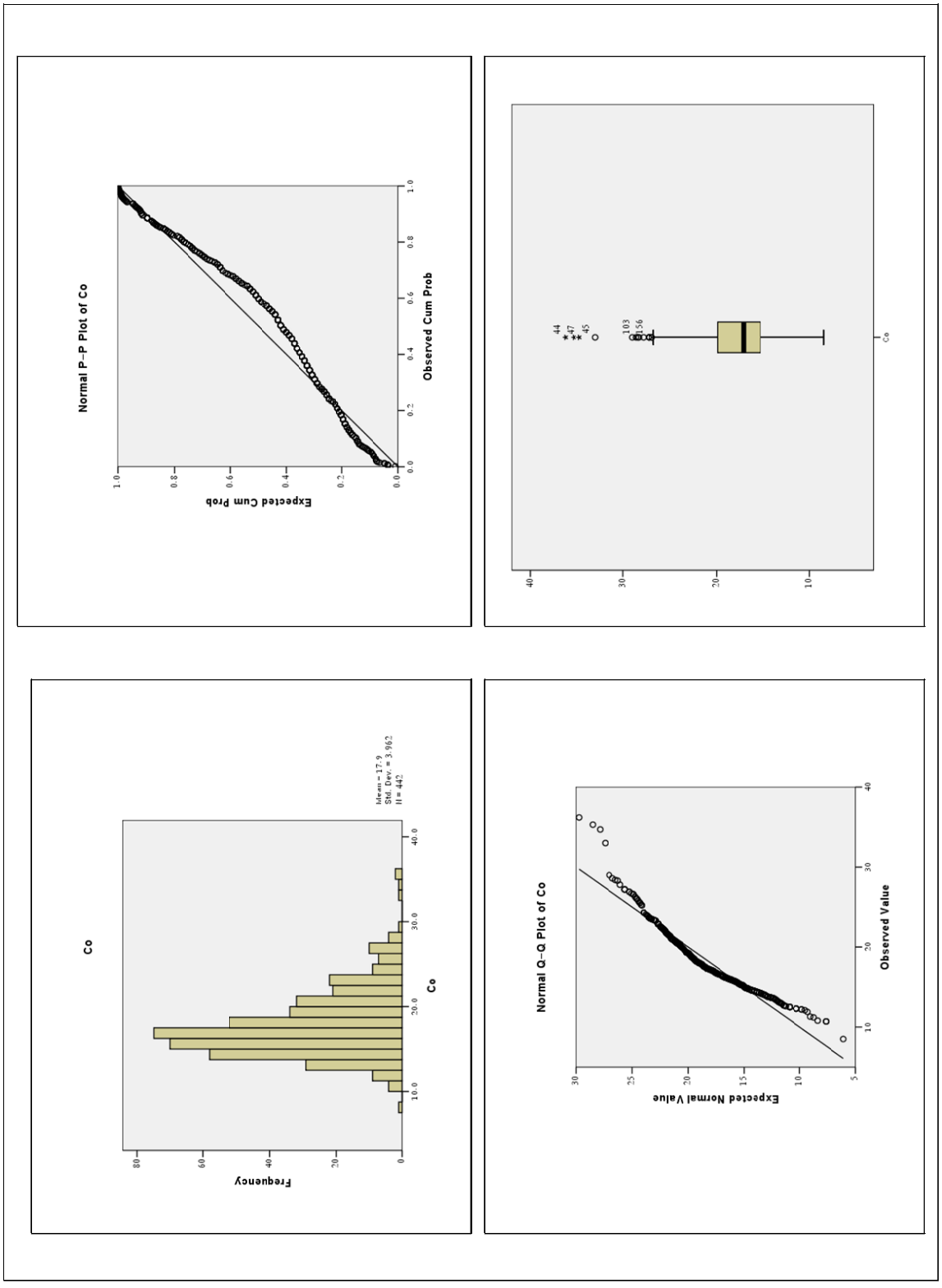
شکل (۲-۵۲): هیستوگرام و نمودارهای BOX PLOT **و** P-P, Q-Q **ترسیم شده برای متغیر** Cd **در منطقه مطالعاتی.**



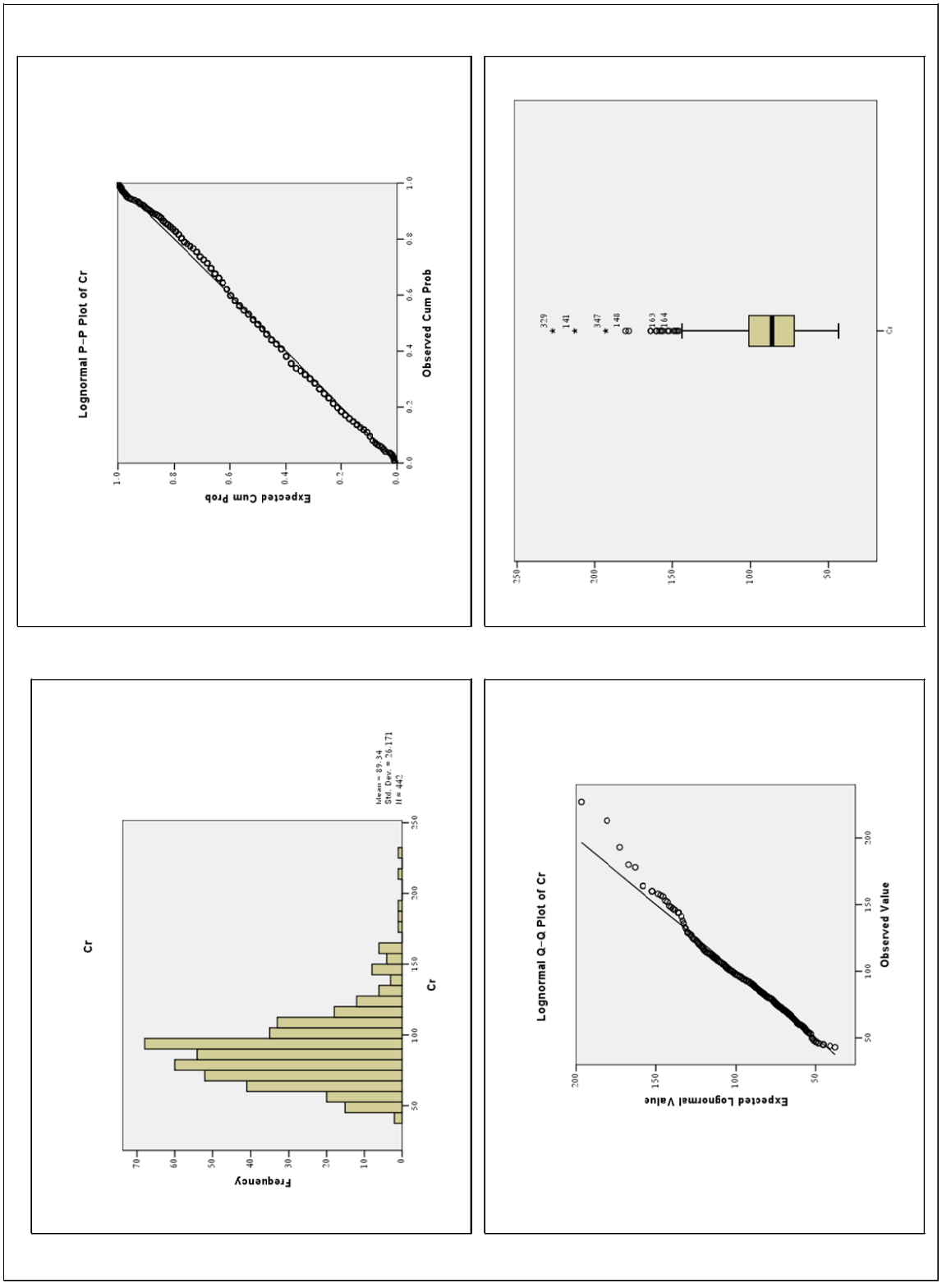
شکل (۲-۵۳): هیستوگرام و نمودارهای BOX PLOT **و** P-P, Q-Q **ترسیم شده برای متغیر** Ce **در منطقه مطالعاتی.**



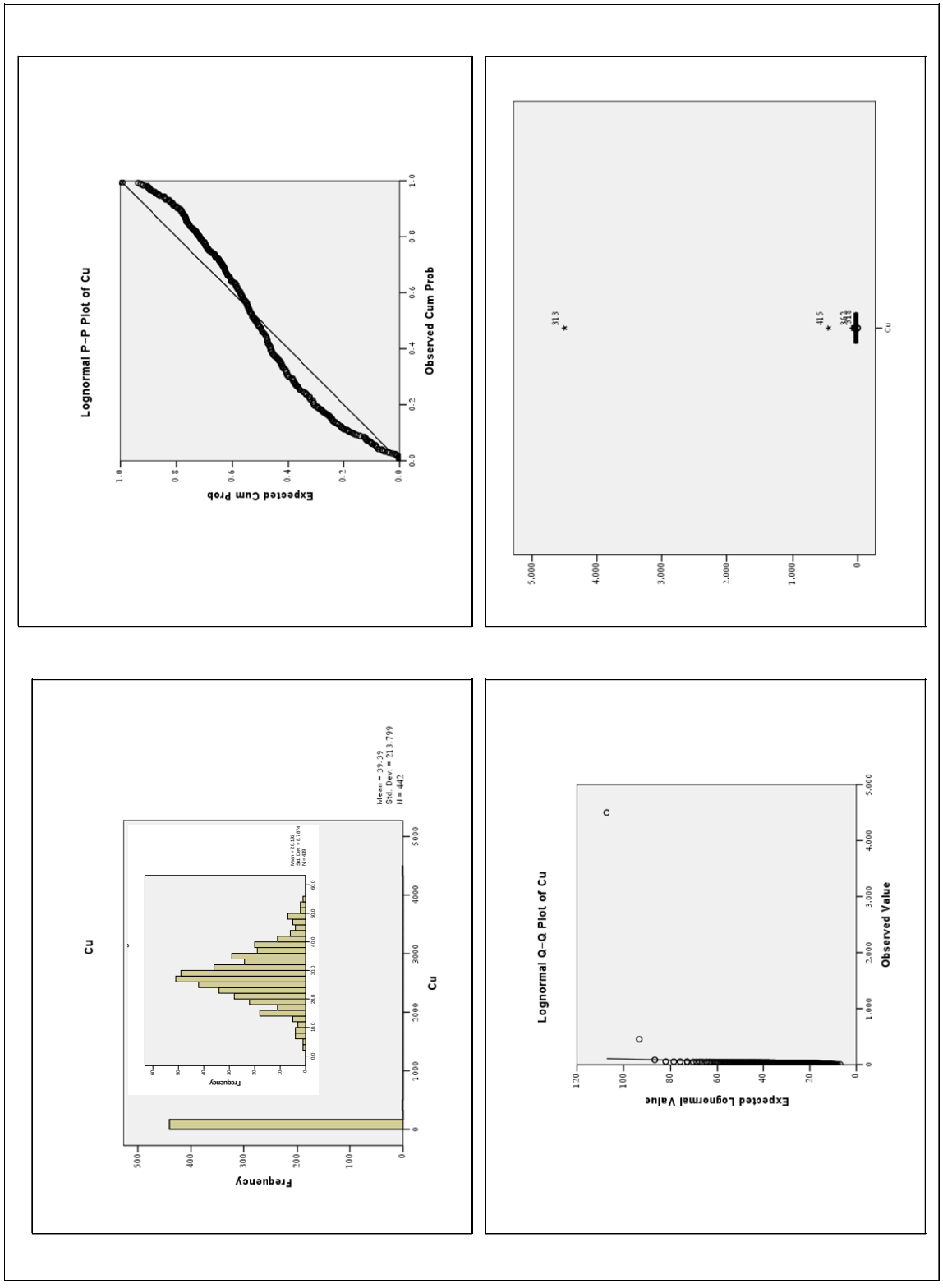
شکل (۲-۵۴): هیستوگرام و نمودارهای P-P, Q-Q و BOX PLOT ترسیم شده برای متغیر Cs در منطقه مطالعاتی.



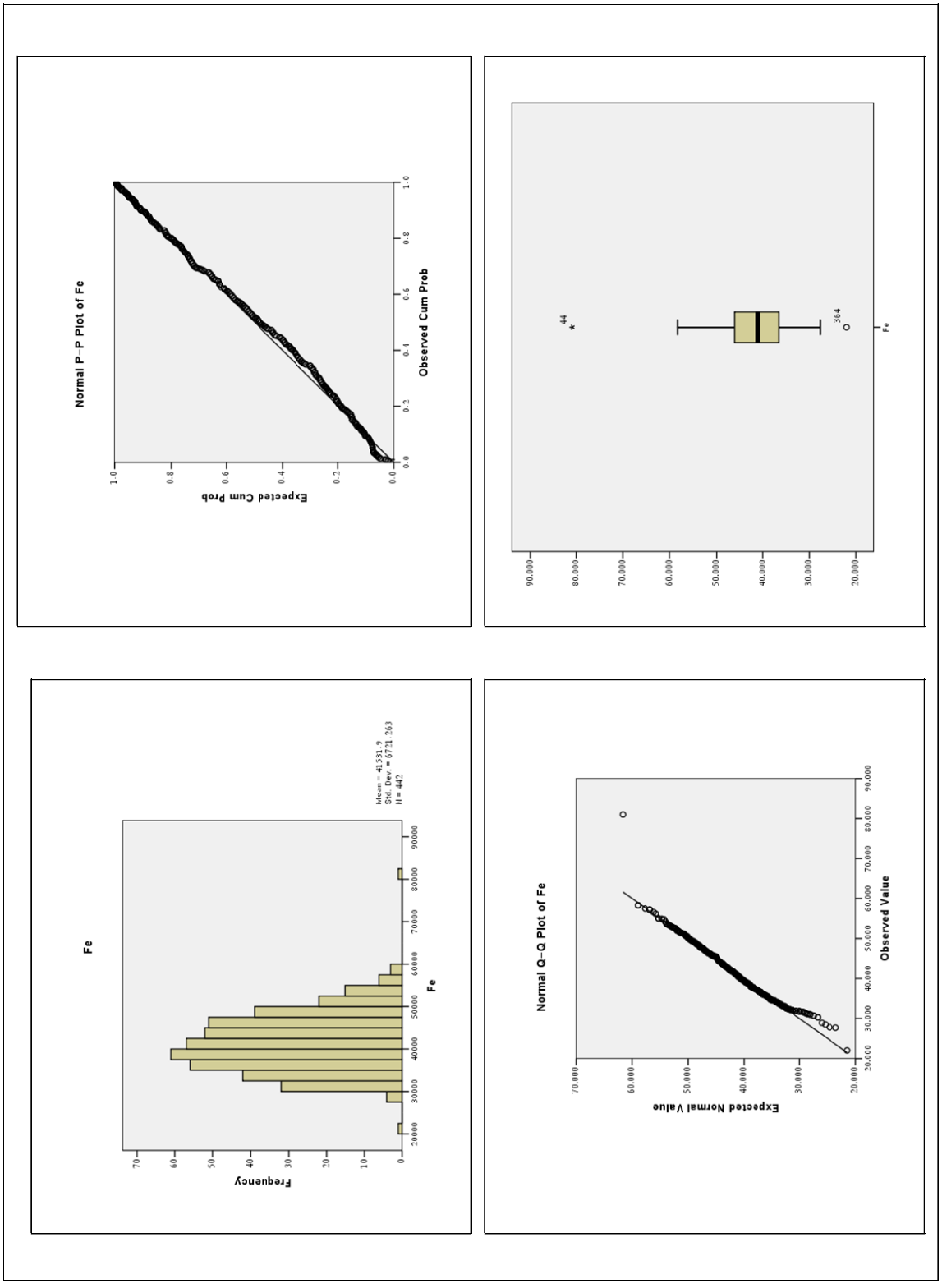
شکل (۲-۵۵): هیستوگرام و نمودارهای BOX PLOT و P-P, Q-Q ترسیم شده برای متغیر Co در منطقه مطالعاتی.



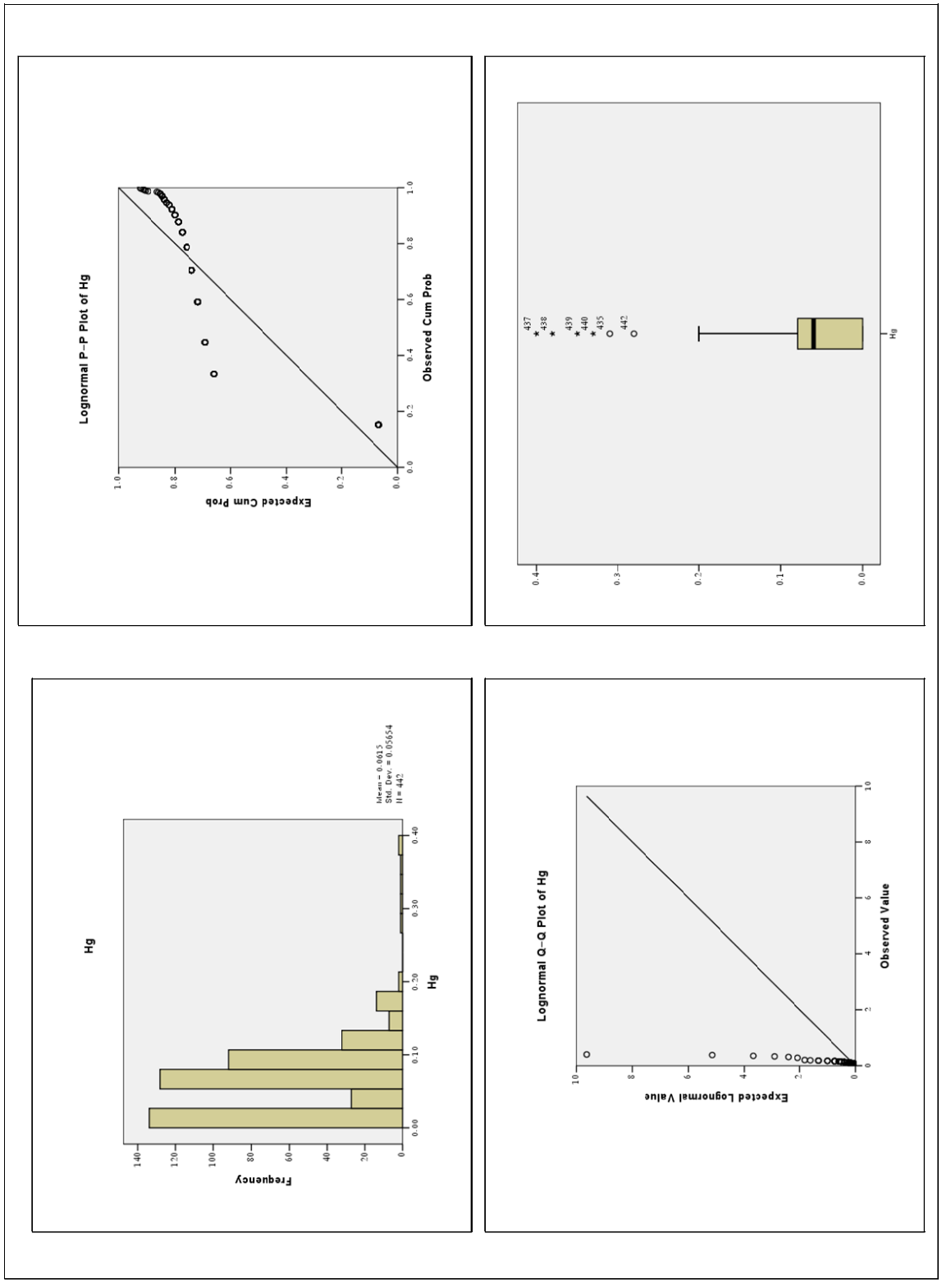
شکل (۲-۵۶): هیستوگرام و نمودارهای BOX PLOT و P-P, Q-Q ترسیم شده برای متغیر Cr در منطقه مطالعاتی.



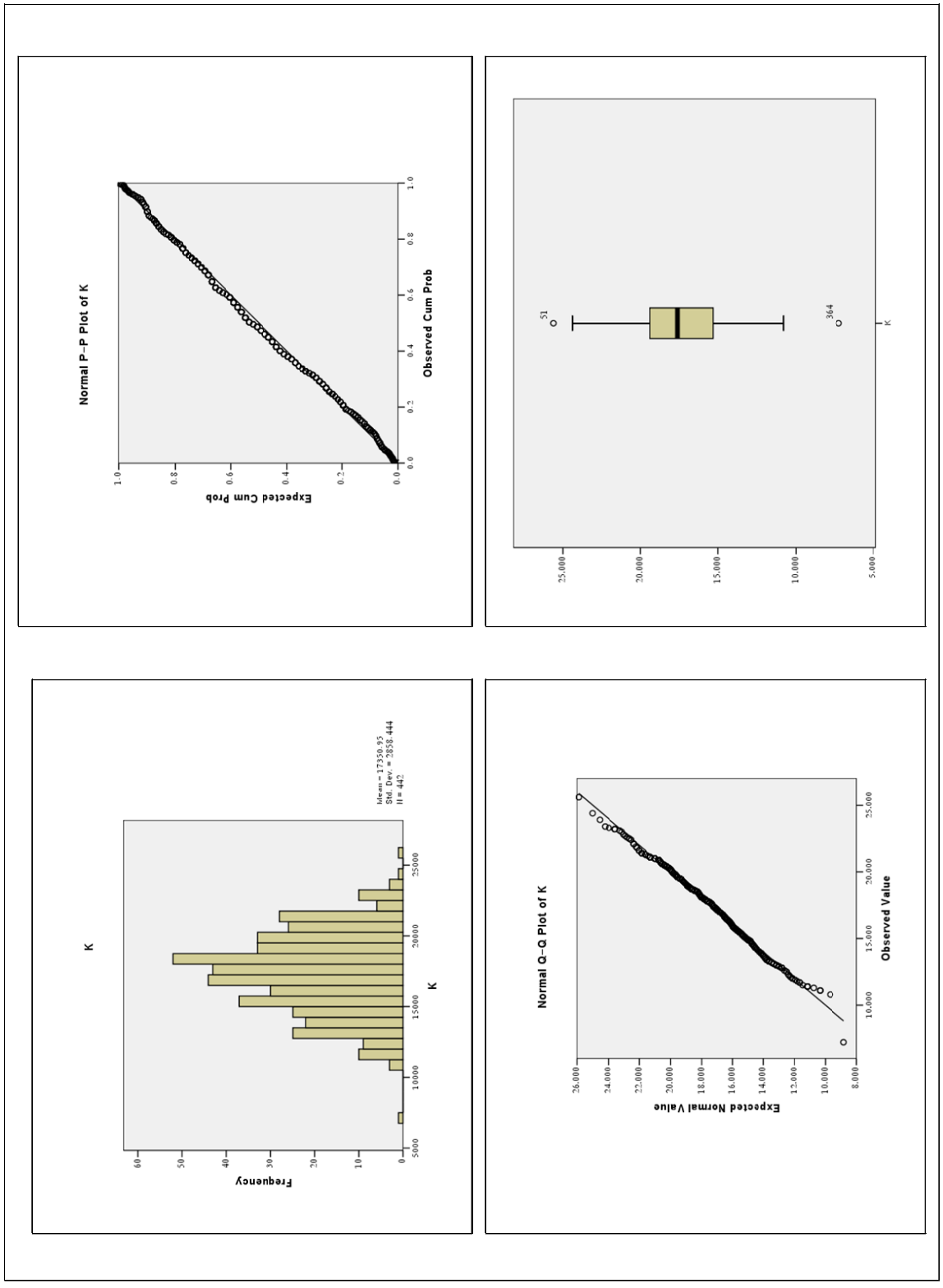
شکل (۲-۵۷): هیستوگرام و نمودارهای BOX PLOT و P-P, Q-Q ترسیم شده برای متغیر Cu در منطقه مطالعاتی.



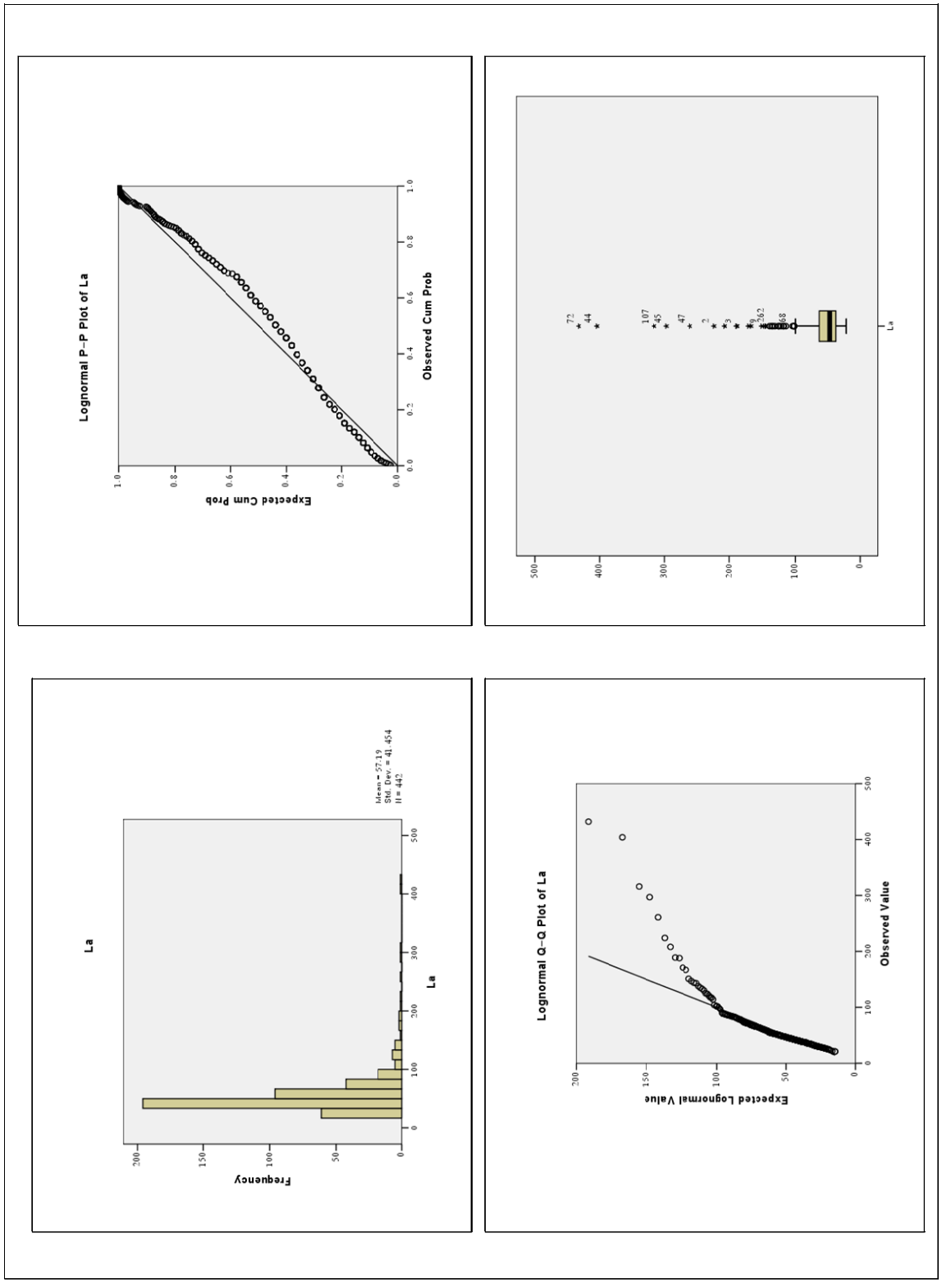
شکل (۲-۵۸): هیستوگرام و نمودارهای BOX PLOT و P-P, Q-Q ترسیم شده برای متغیر Fe در منطقه مطالعاتی.



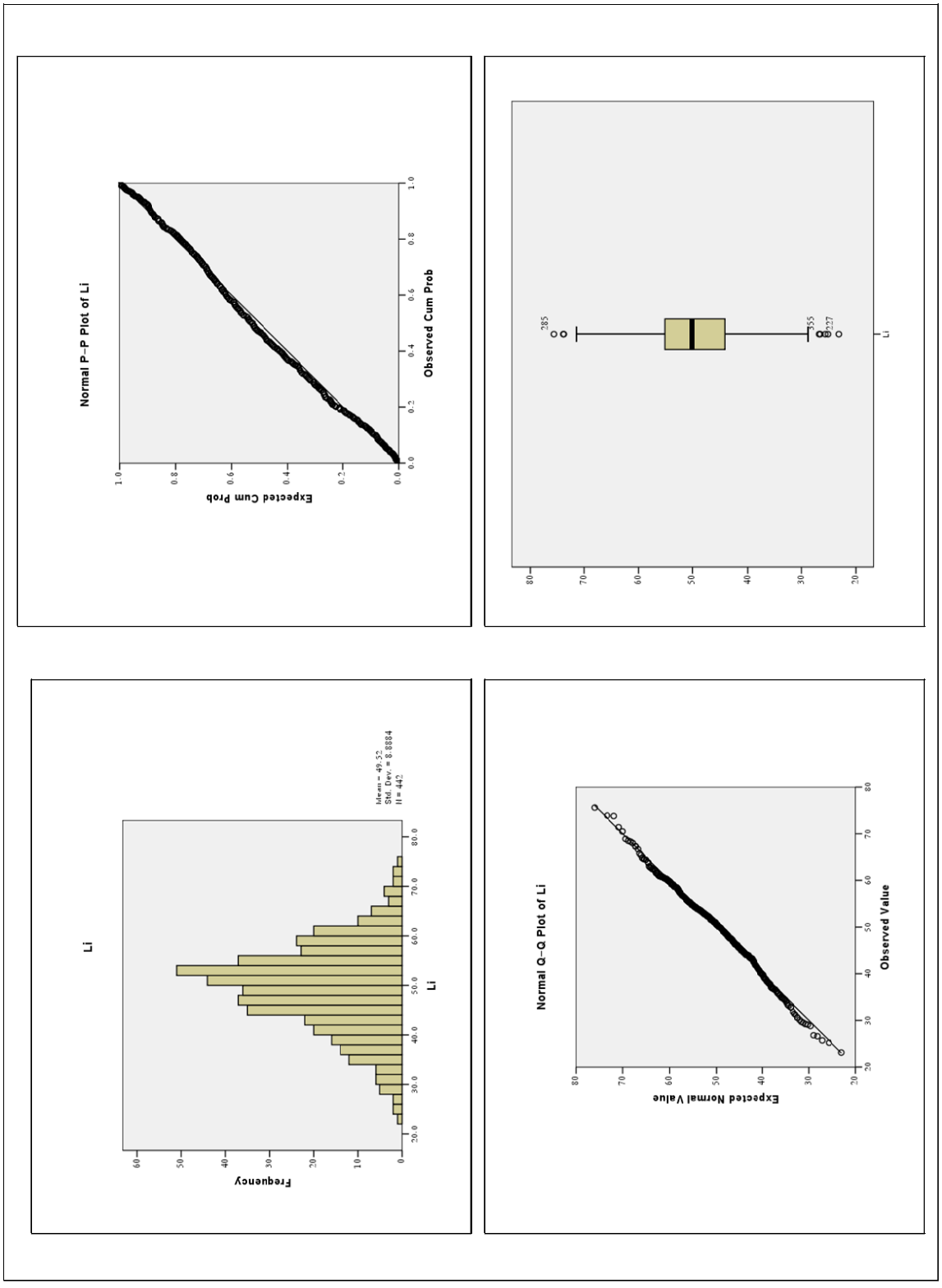
شکل (۲-۵۹): هیستوگرام و نمودارهای BOX PLOT و P-P, Q-Q ترسیم شده برای متغیر Hg در منطقه مطالعاتی.



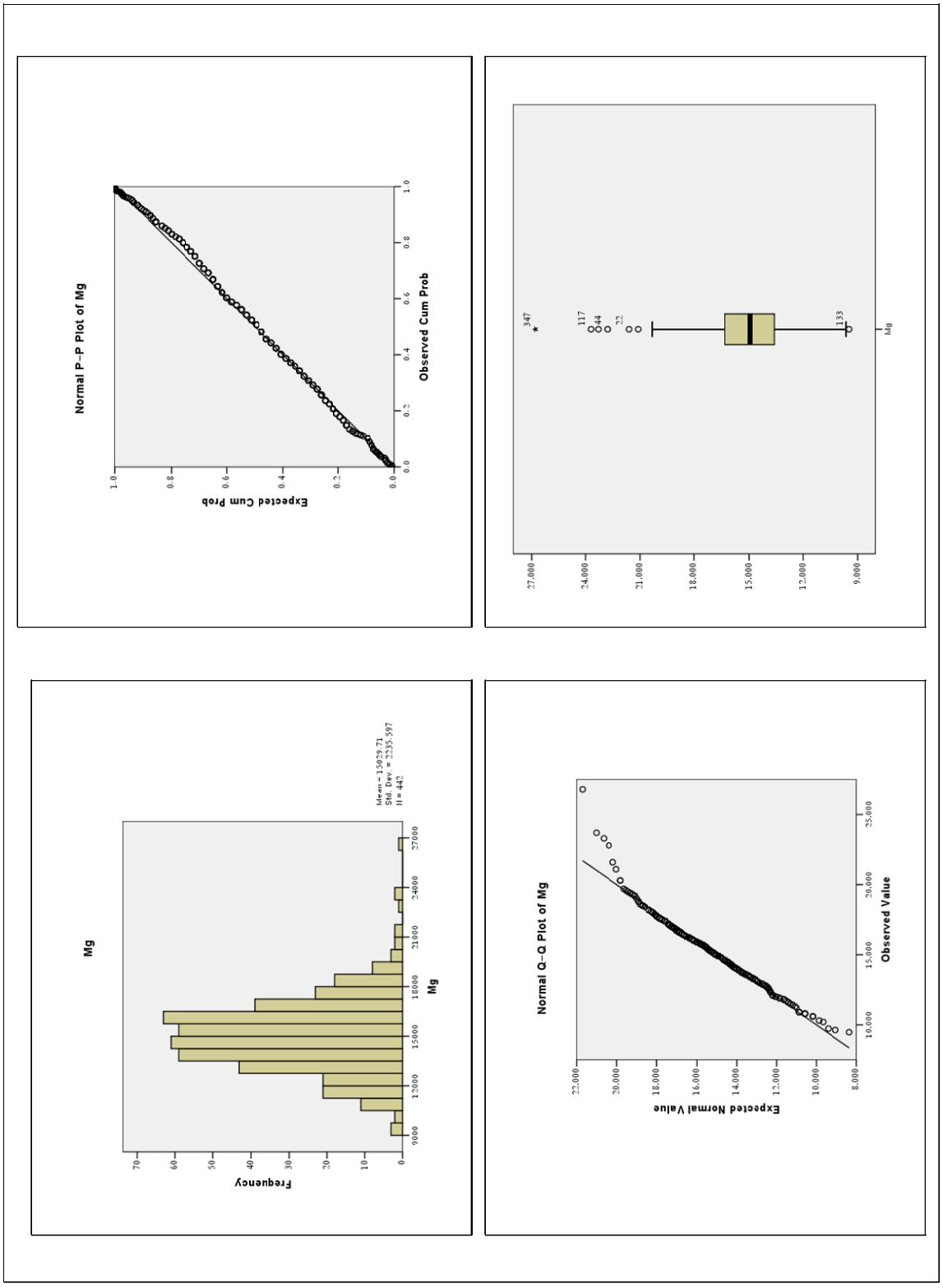
شکل (۲-۶۰): هیستوگرام و نمودارهای P-P, Q-Q و BOX PLOT ترسیم شده برای متغیر K در منطقه مطالعاتی.



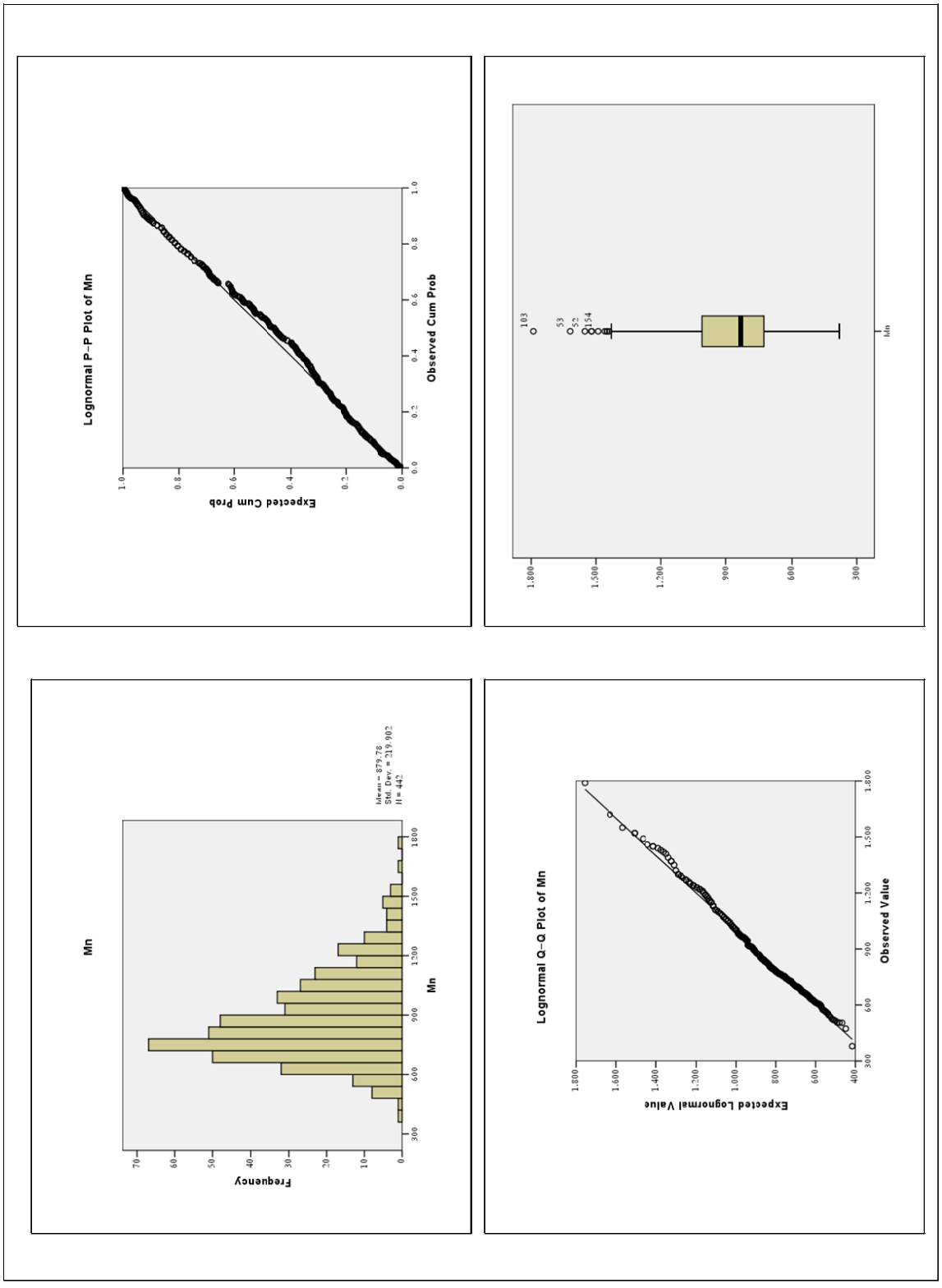
شکل (۲-۶۱): هیستوگرام و نمودارهای BOX PLOT **و** P-P, Q-Q **ترسیم شده برای متغیر** La **در منطقه مطالعاتی.**



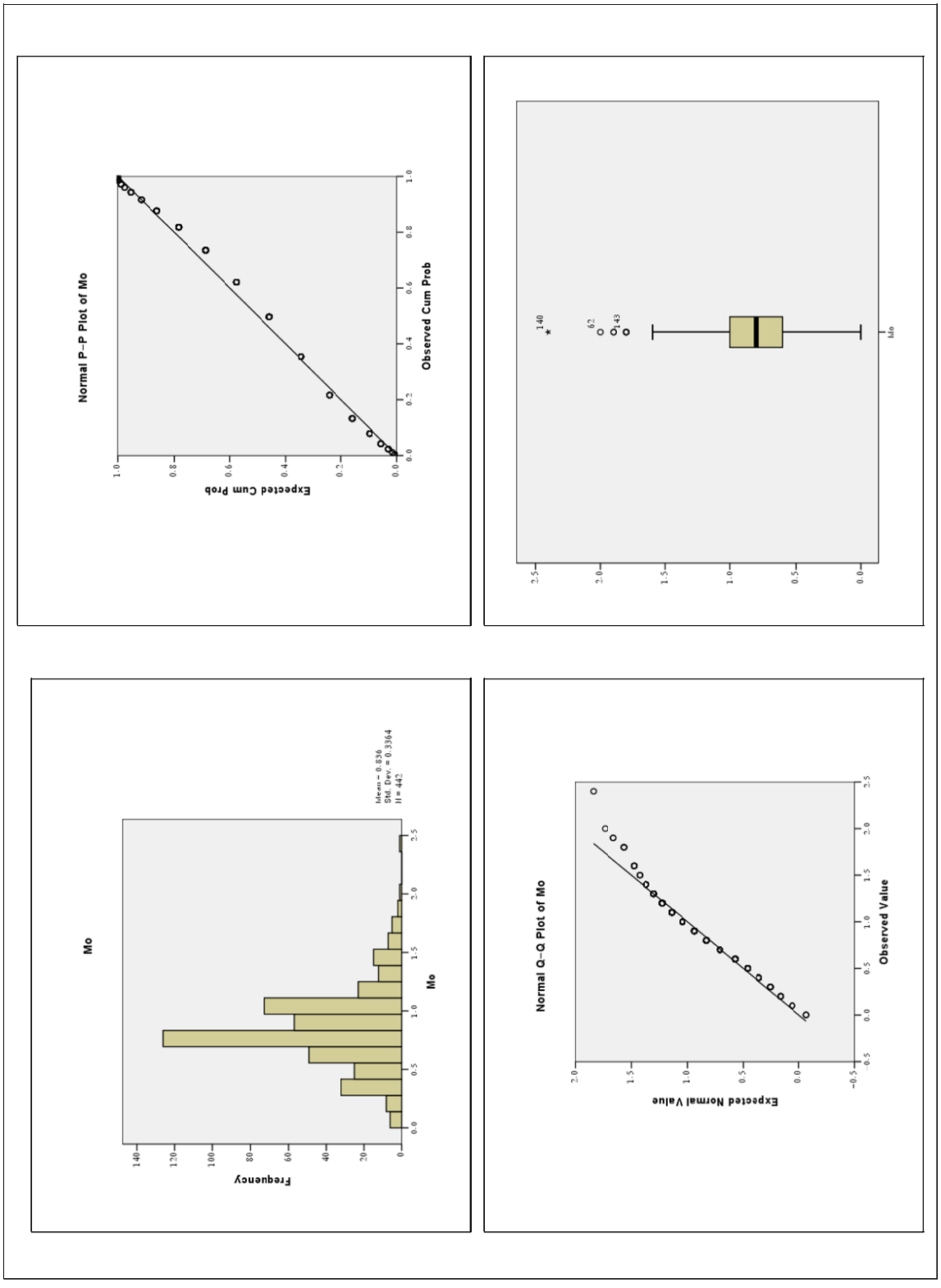
شکل (۲-۶۲): هیستوگرام و نمودارهای P-P, Q-Q و BOX PLOT ترسیم شده برای متغیر Li در منطقه مطالعاتی.



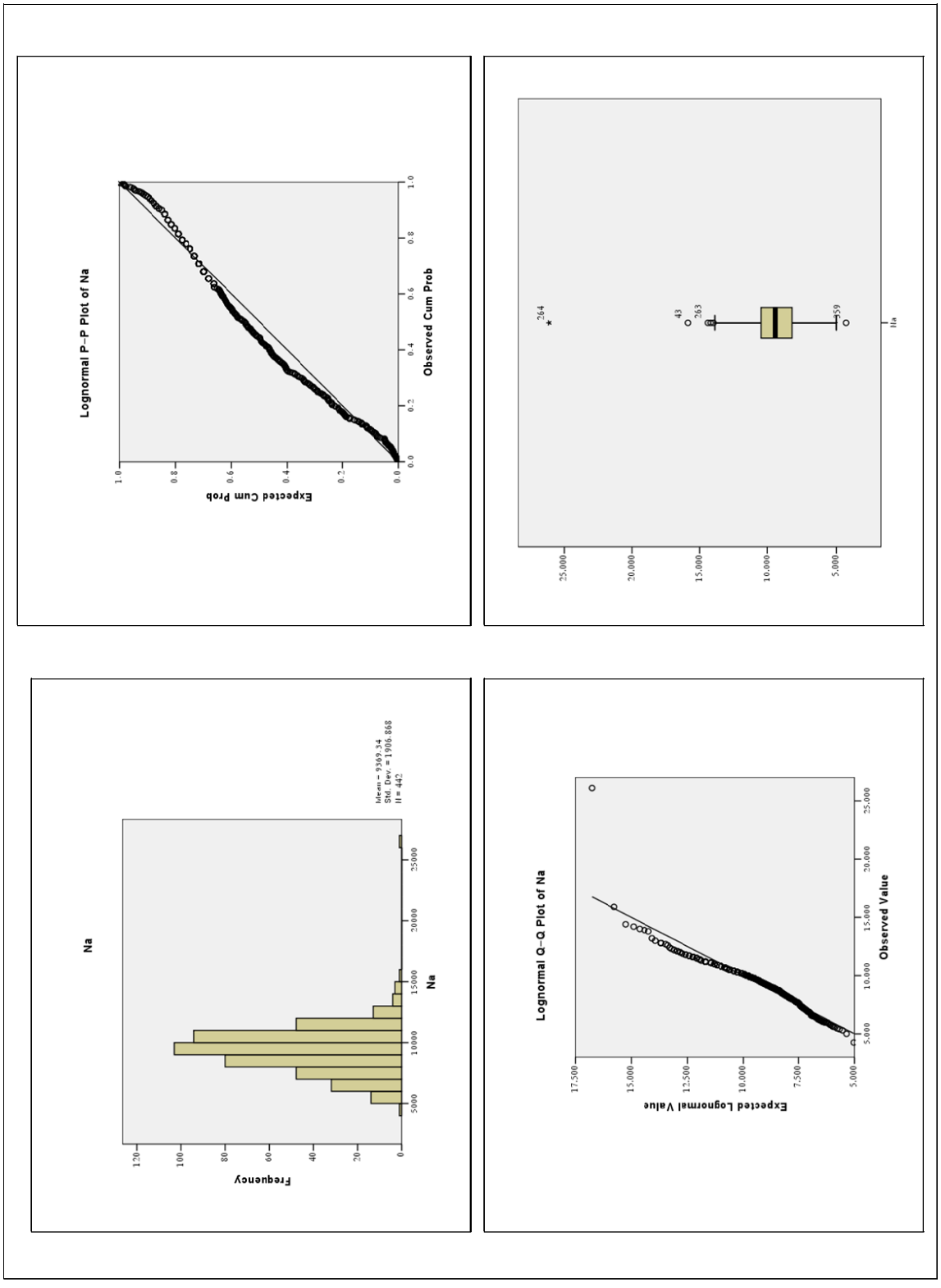
شکل (۲-۶۳): هیستوگرام و نمودارهای P-P, Q-Q **و** BOX PLOT **ترسیم شده برای متغیر** Mg **در منطقه مطالعاتی.**



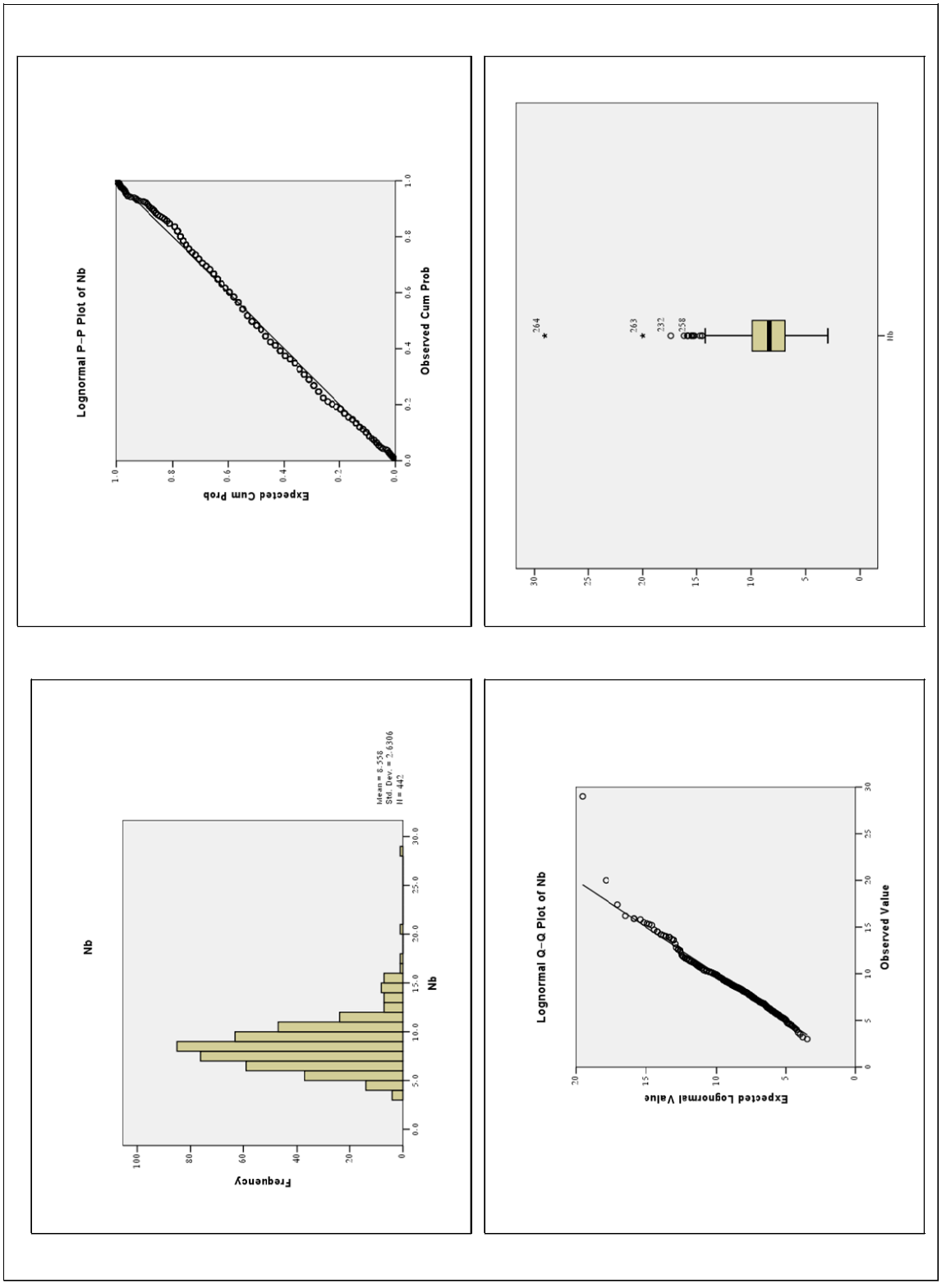
شکل (۲-۶۴): هیستوگرام و نمودارهای BOX PLOT و P-P, Q-Q ترسیم شده برای متغیر Mn در منطقه مطالعاتی.



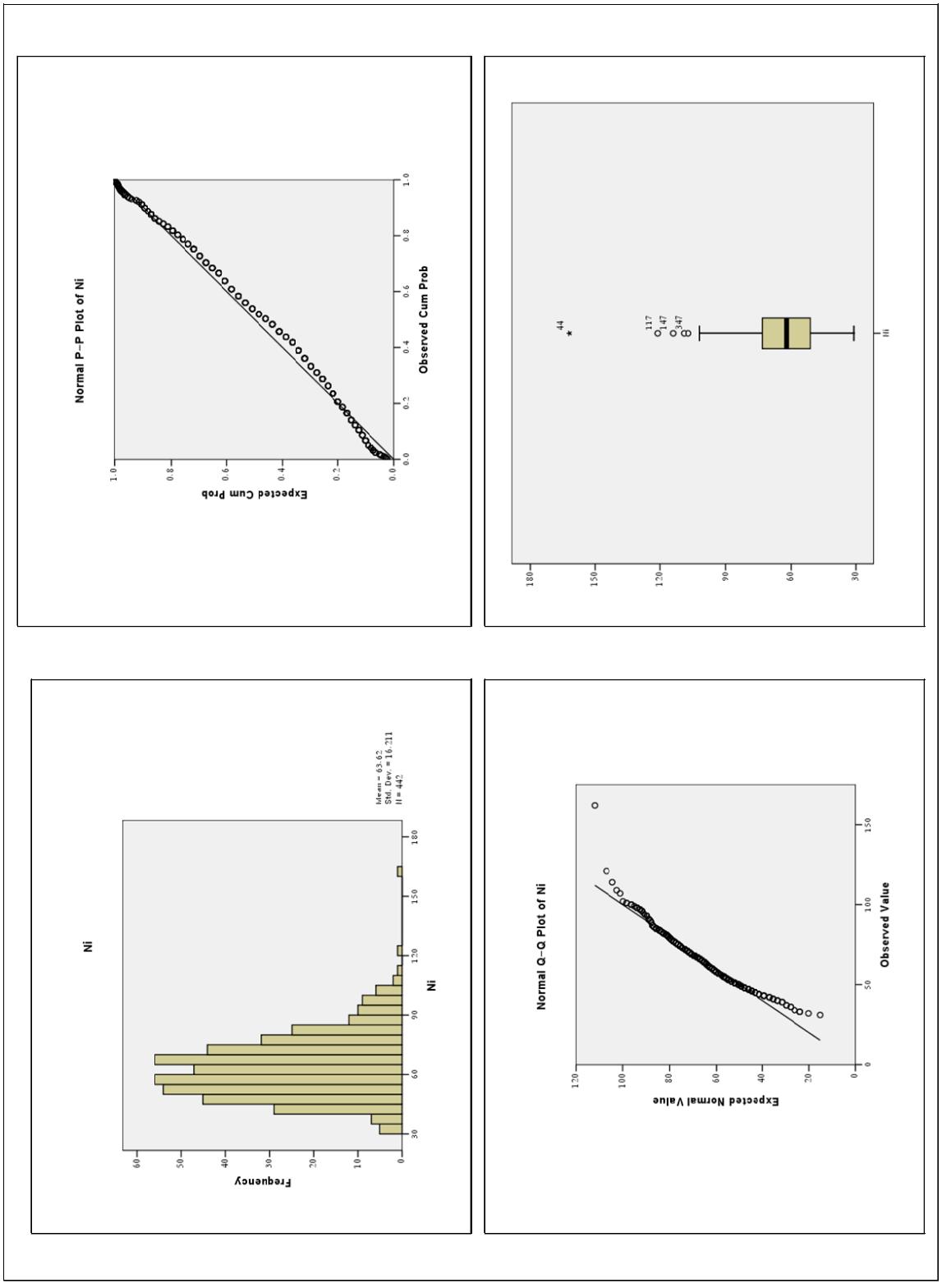
شکل (۲-۶۵): هیستوگرام و نمودارهای BOX PLOT **و** P-P, Q-Q **ترسیم شده برای متغیر** Mo **در منطقه مطالعاتی.**



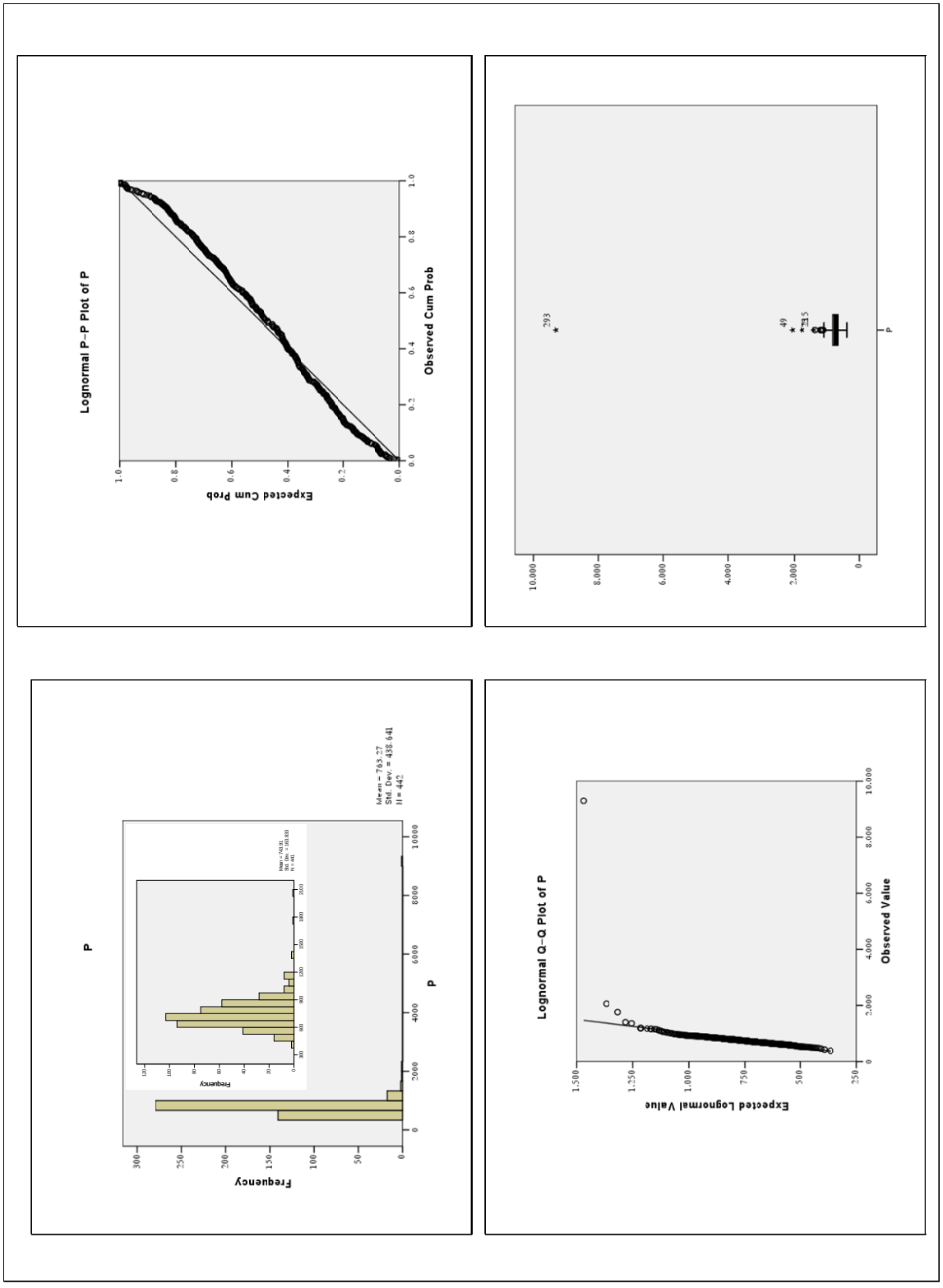
شکل (۲-۶۶): هیستوگرام و نمودارهای P-P, Q-Q و BOX PLOT ترسیم شده برای متغیر Na در منطقه مطالعاتی.



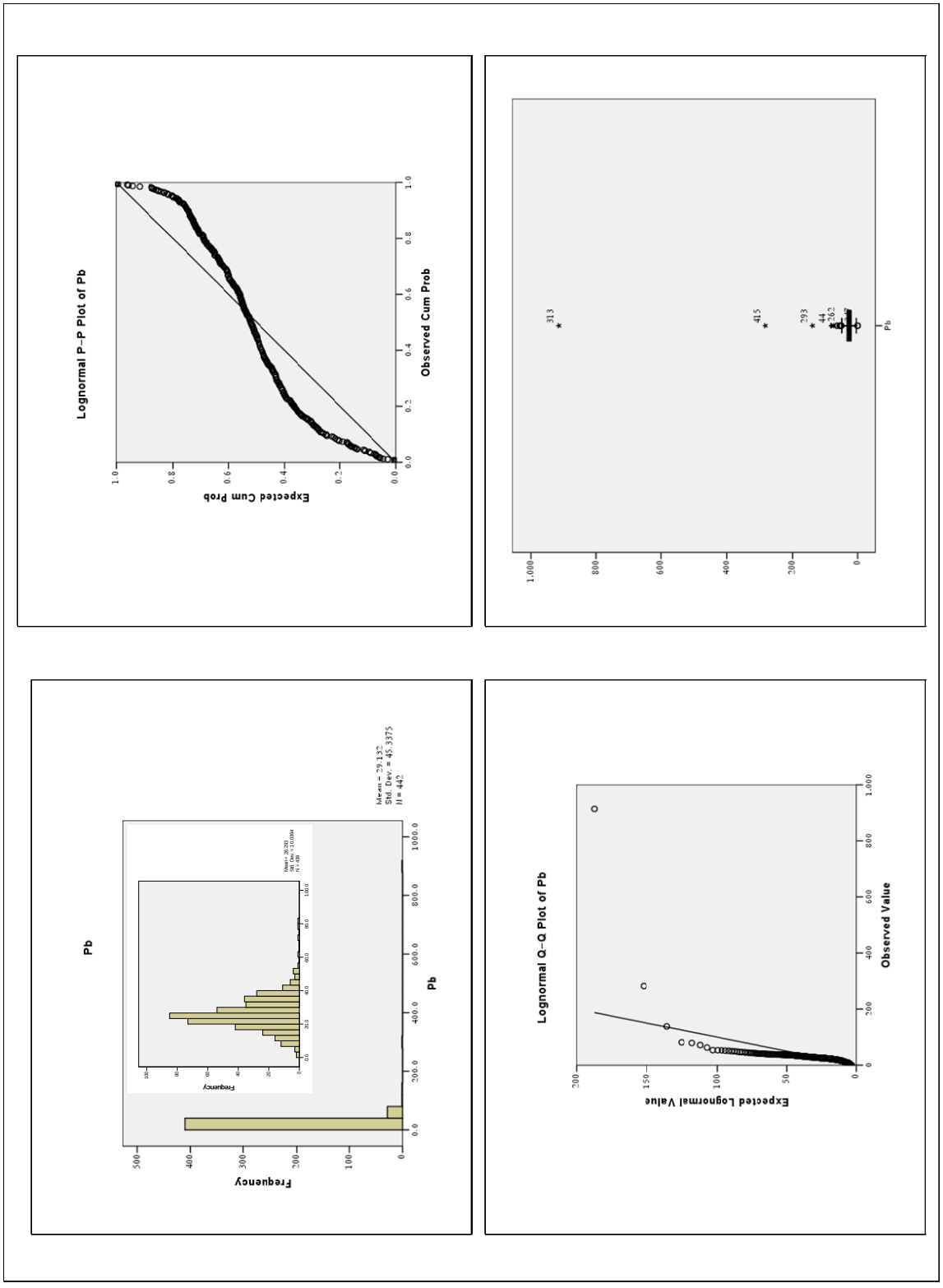
شکل (۲-۶۷): هیستوگرام و نمودارهای BOX PLOT **و** P-P, Q-Q **ترسیم شده برای متغیر** Nb **در منطقه مطالعاتی.**



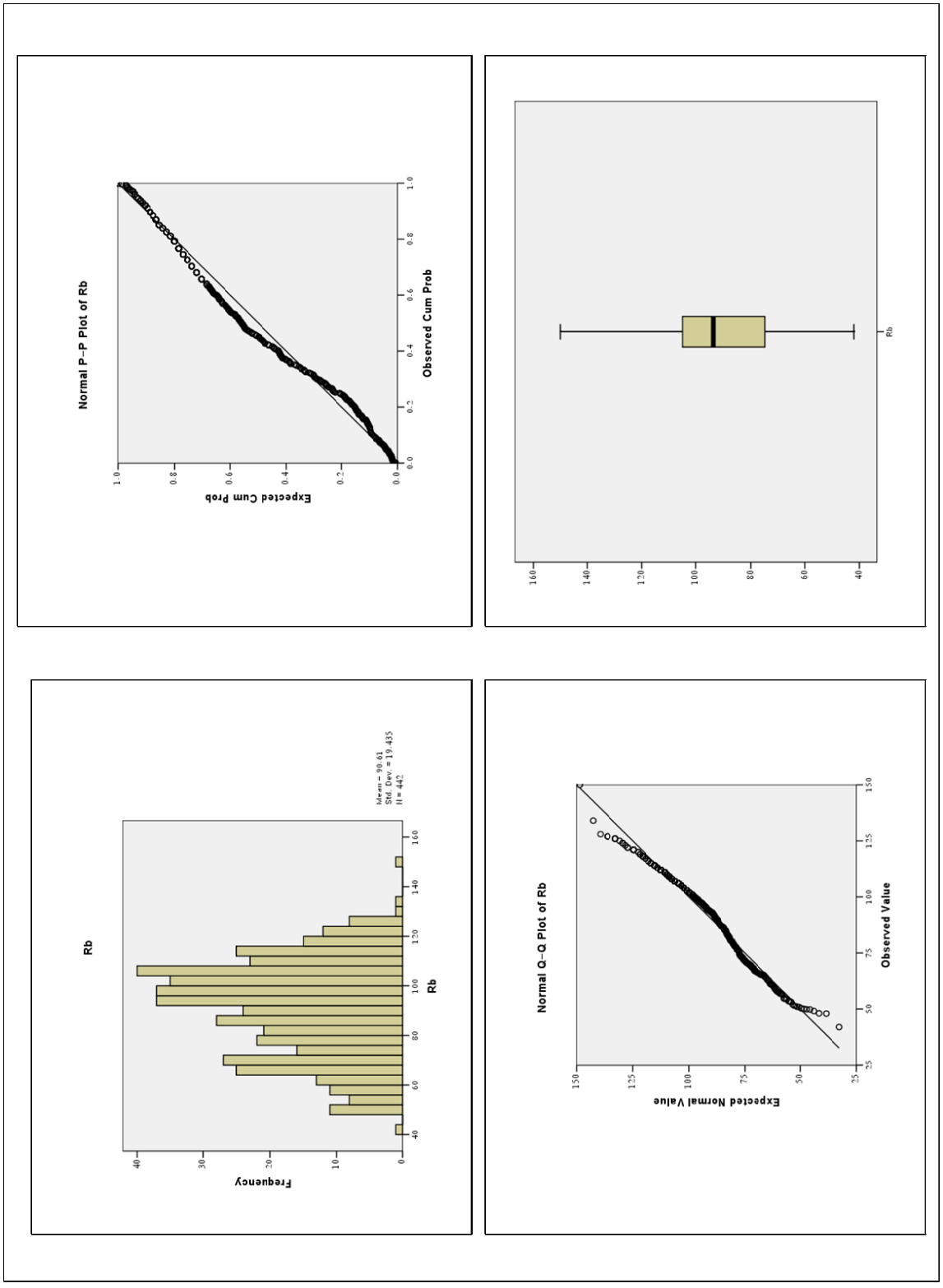
شکل (۲-۶۸): هیستوگرام و نمودارهای BOX PLOT و P-P, Q-Q ترسیم شده برای متغیر Ni در منطقه مطالعاتی.



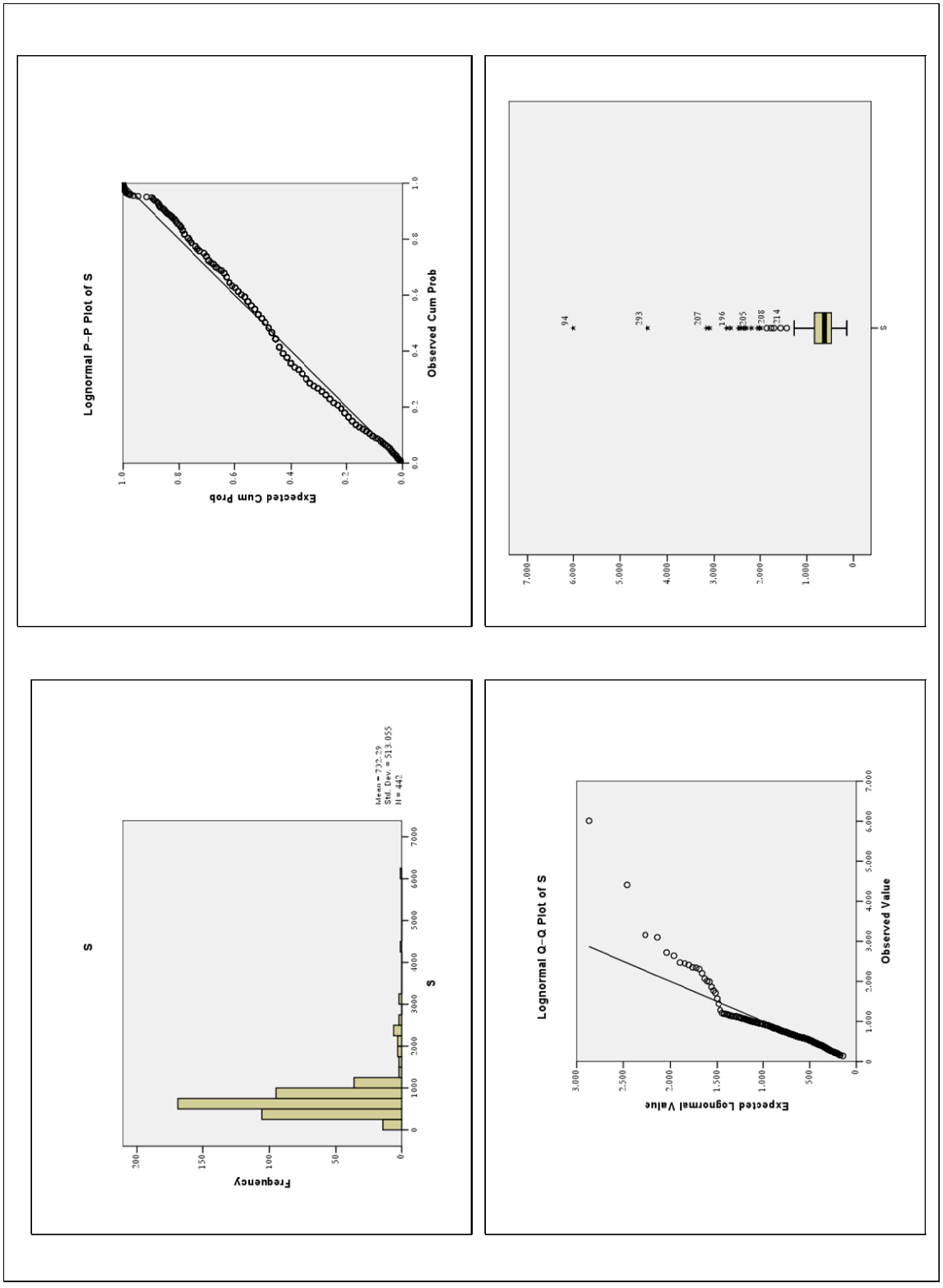
شکل (۲-۶۹): هیستوگرام و نمودارهای BOX PLOT و P-P, Q-Q ترسیم شده برای متغیر P در منطقه مطالعاتی.



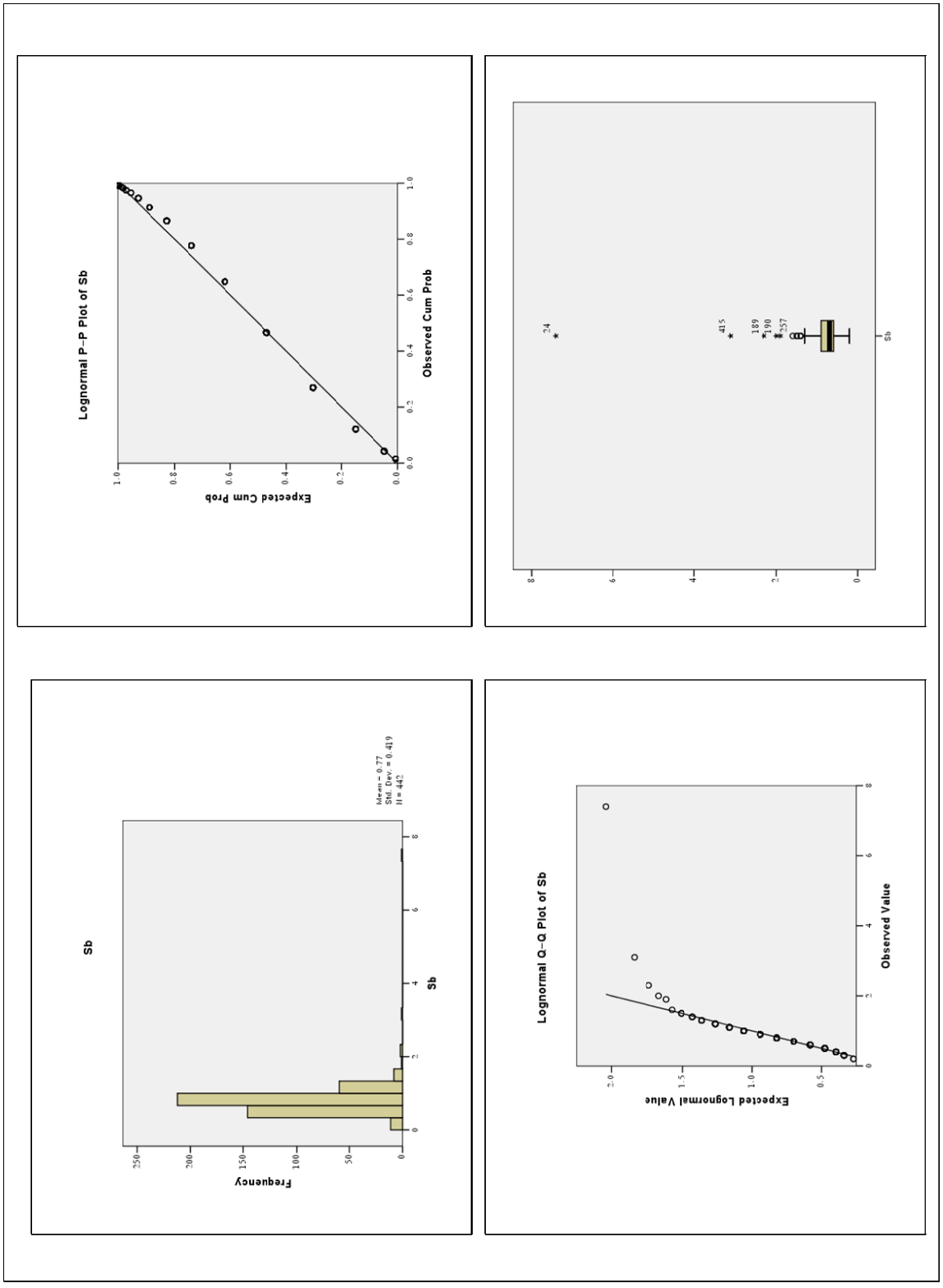
شکل (۲-۷۰): هیستوگرام و نمودارهای P-P, Q-Q و BOX PLOT ترسیم شده برای متغیر Pb در منطقه مطالعاتی.



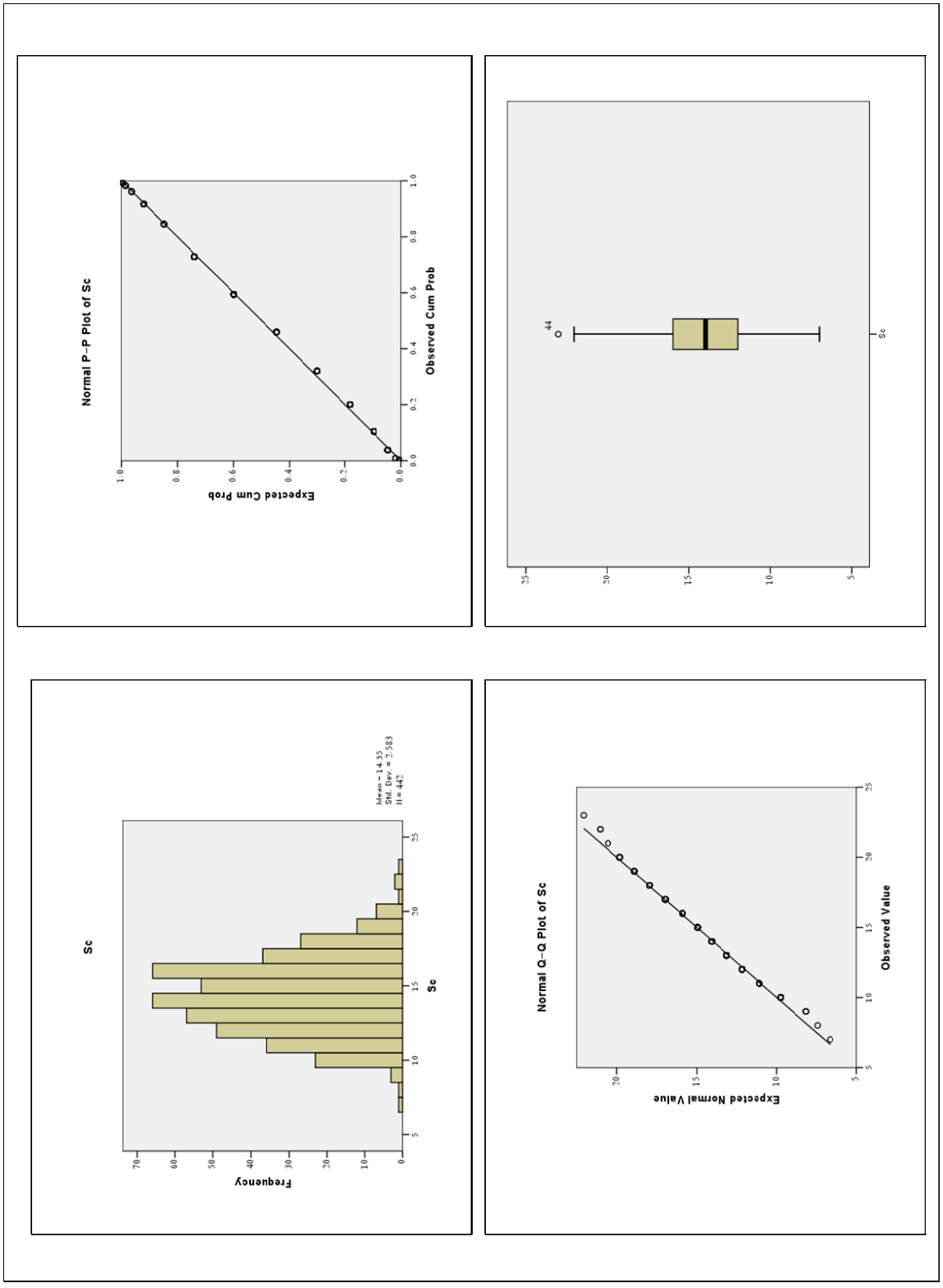
شکل (۲-۷۱): هیستوگرام و نمودارهای P-P, Q-Q و BOX PLOT ترسیم شده برای متغیر Rb در منطقه مطالعاتی.



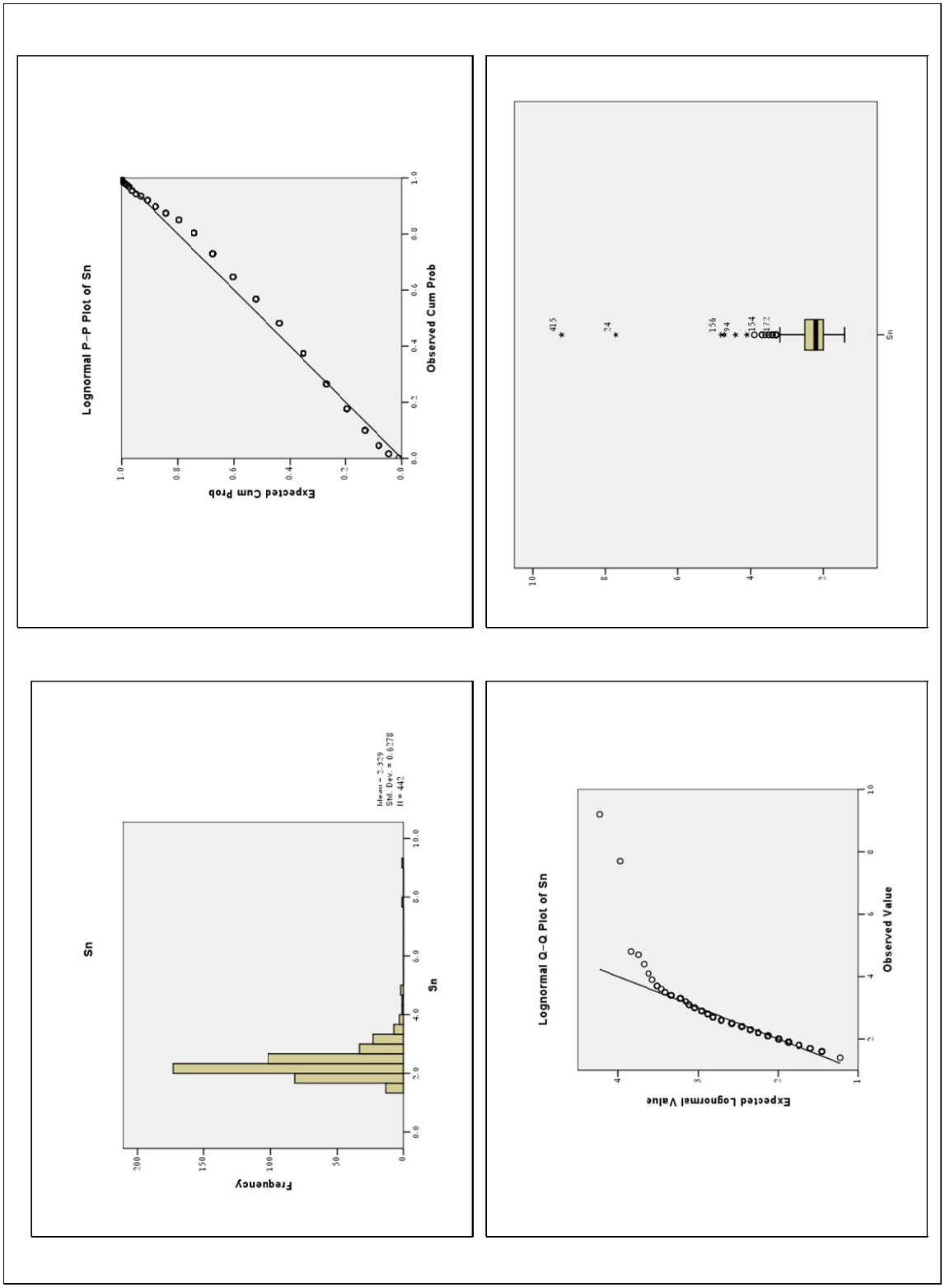
شکل (۲-۷۲): هیستوگرام و نمودارهای BOX PLOT و P-P, Q-Q **توسیم شده برای متغیر** S **در منطقه مطالعاتی.**



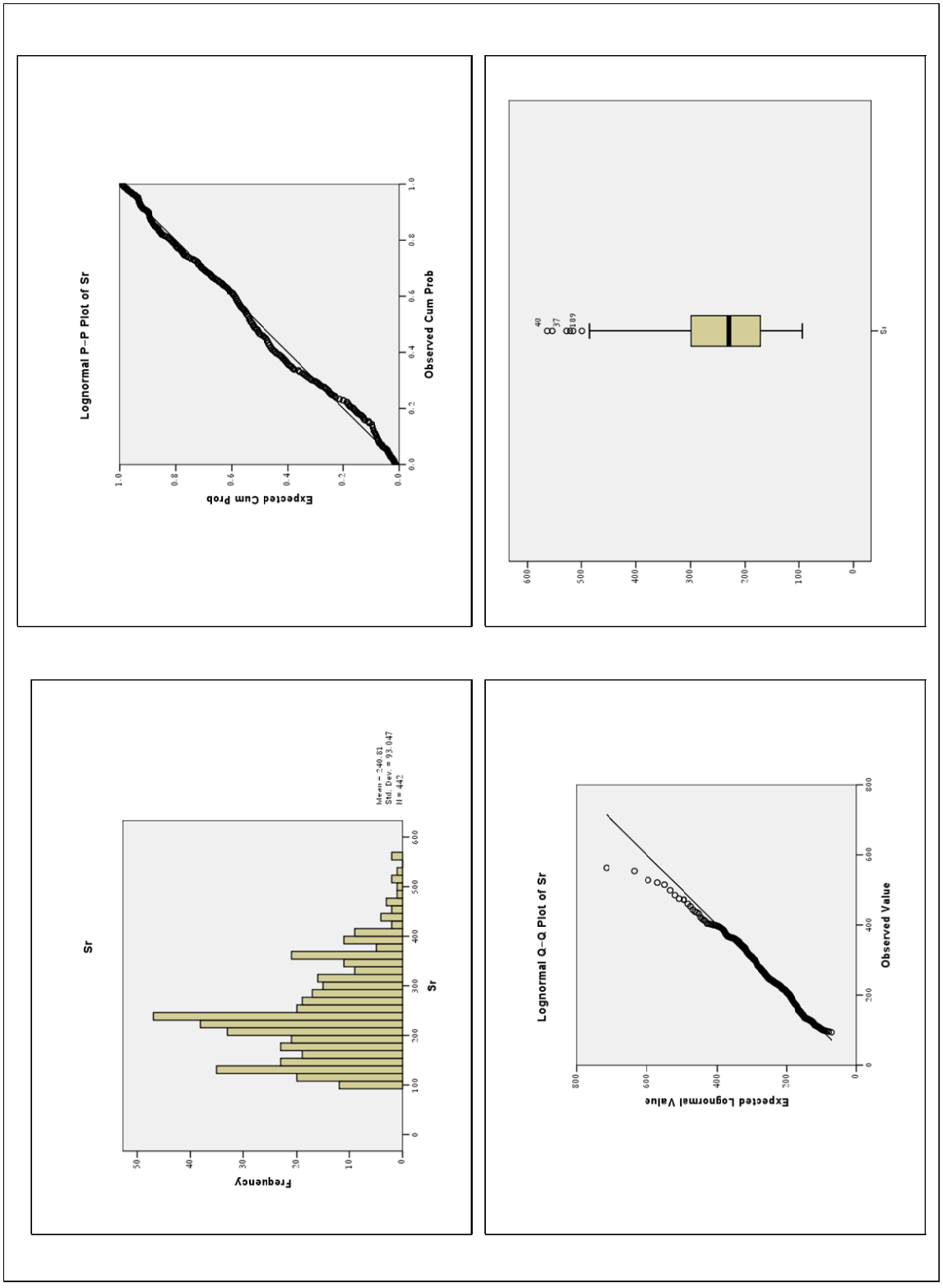
شکل (۲-۷۳): هیستوگرام و نمودارهای P-P، Q-Q و BOX PLOT ترسیم شده برای متغیر Sb در منطقه مطالعاتی.



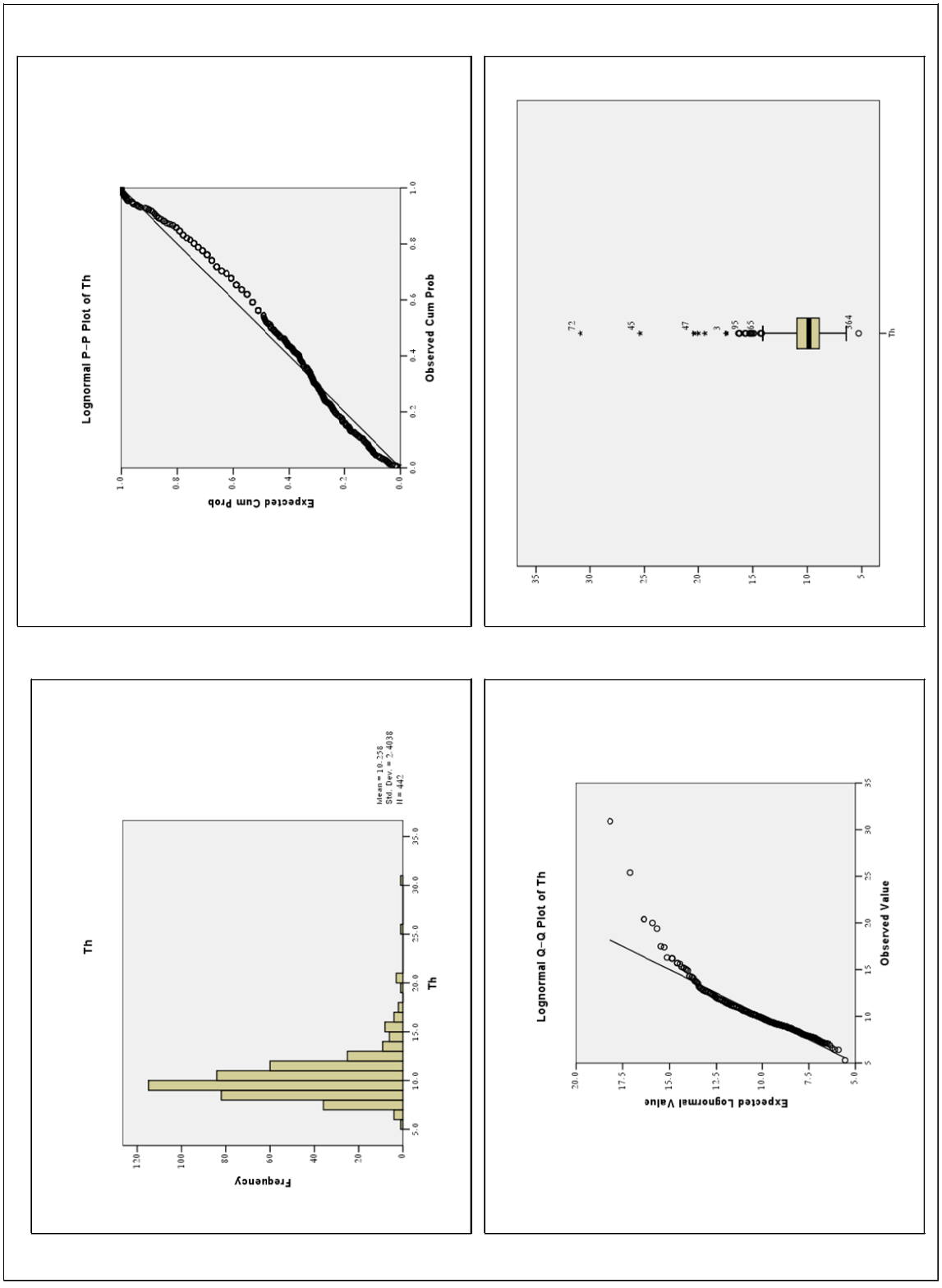
شکل (۲-۷۴): هیستوگرام و نمودارهای P-P, Q-Q **و** BOX PLOT **ترسیم شده برای متغیر** Sc **در منطقه مطالعاتی.**



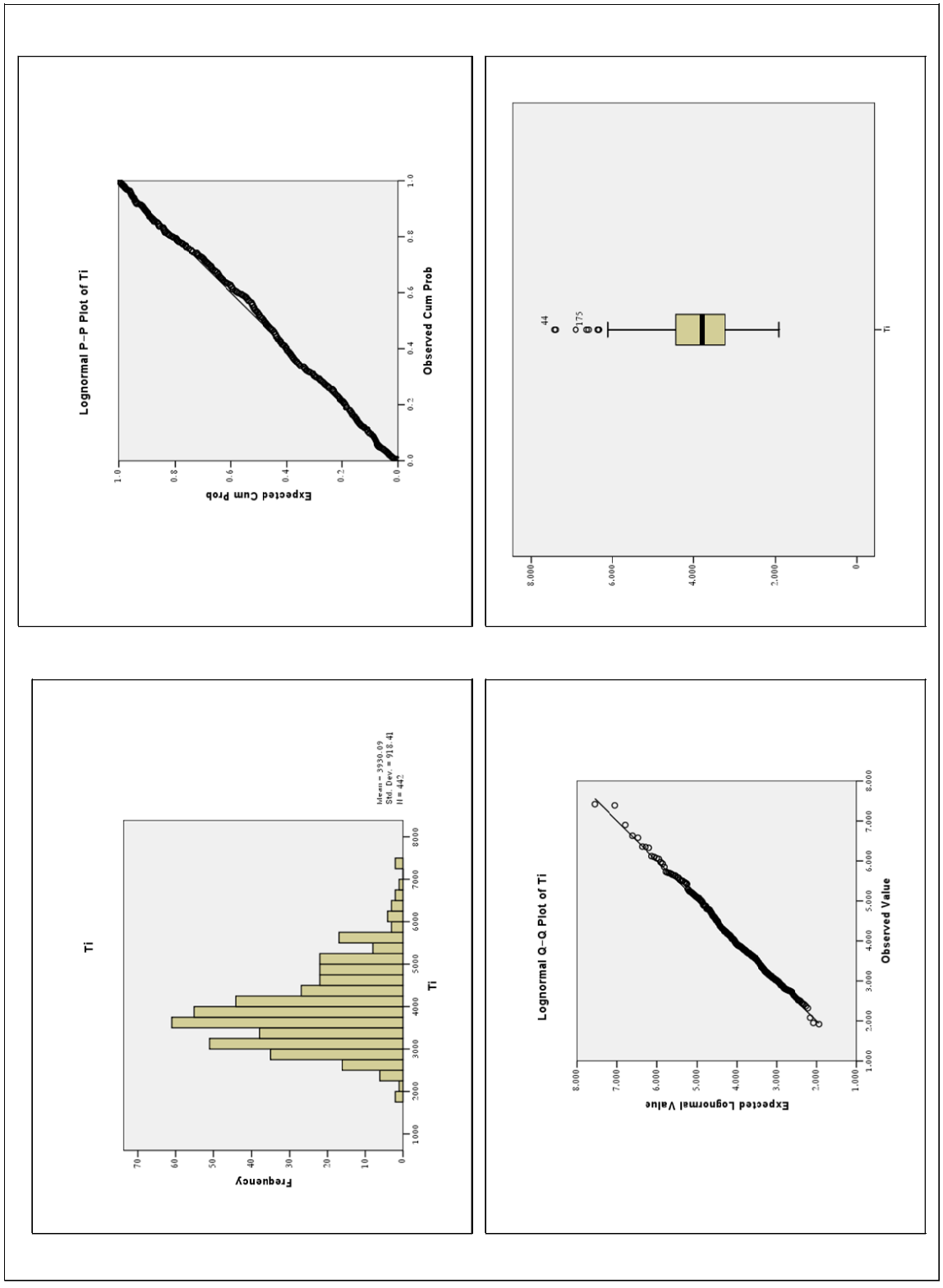
شکل (۲-۷۵): هیستوگرام و نمودارهای BOX PLOT و P-P, Q-Q **ترسیم شده برای متغیر** Sn **در منطقه مطالعاتی.**



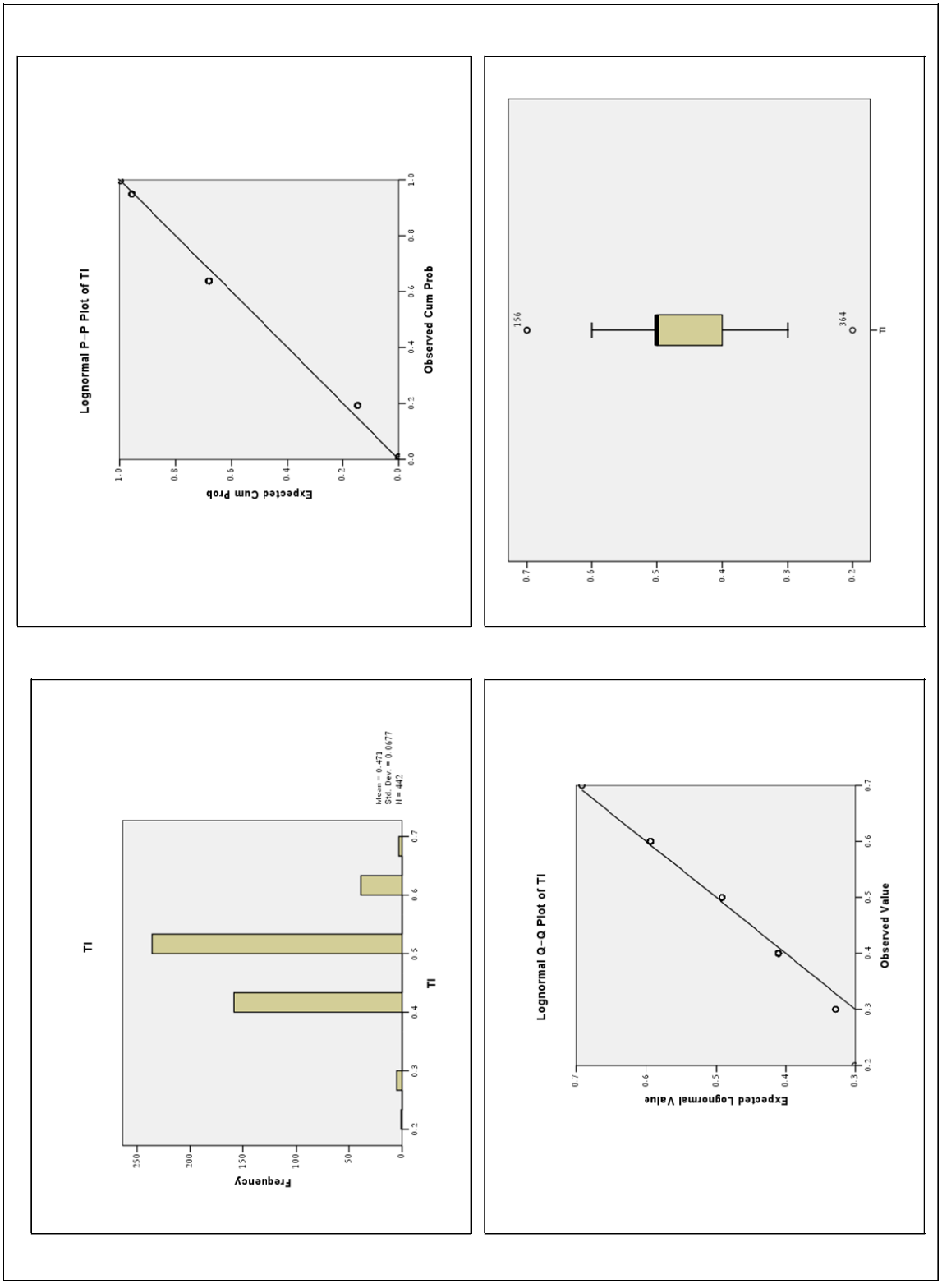
شکل (۲-۷۶): هیستوگرام و نمودارهای P-P, Q-Q **و** BOX PLOT **ترسیم شده برای متغیر** Sr **در منطقه مطالعاتی.**



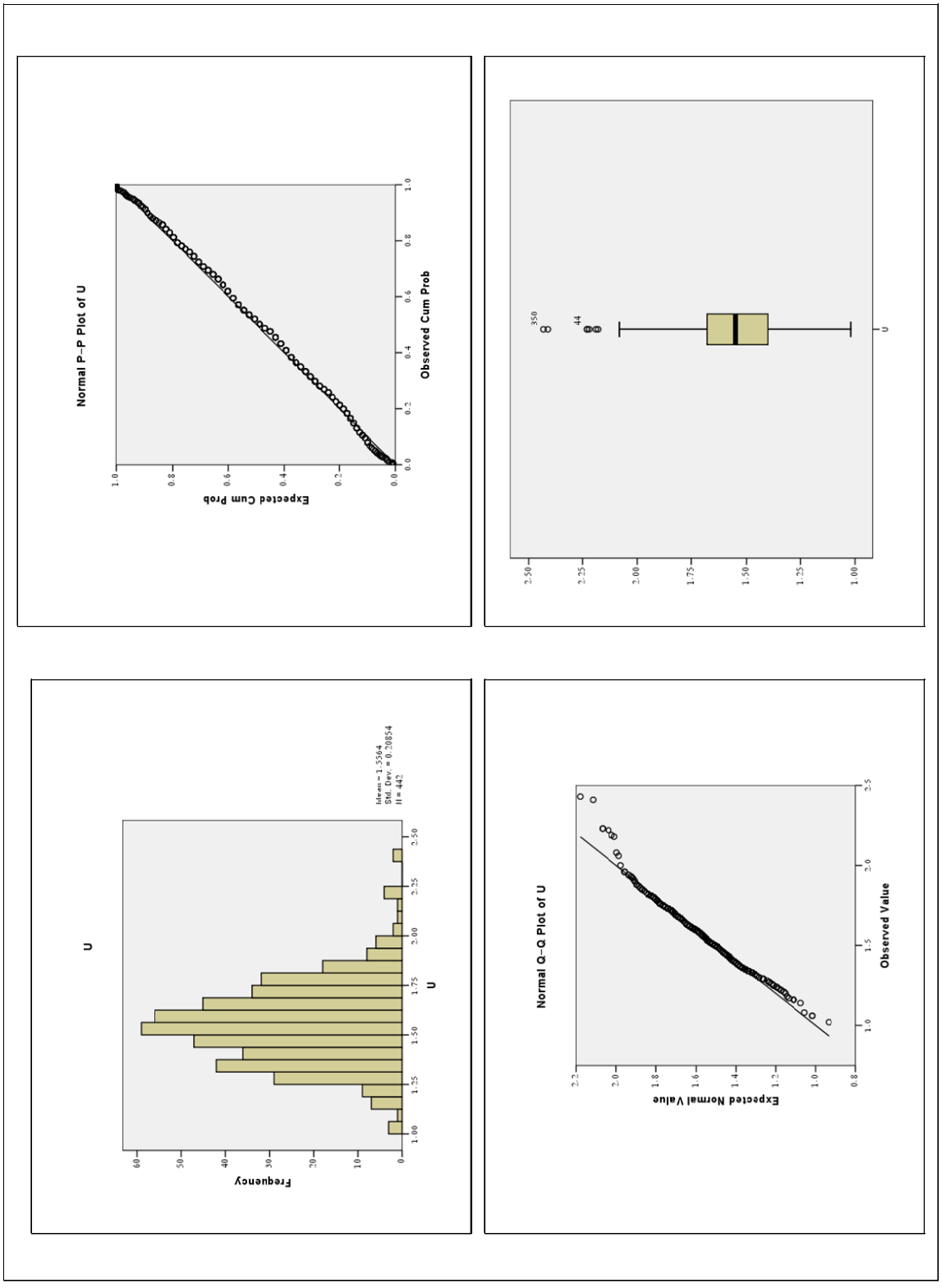
شکل (۲-۷۷): هیستوگرام و نمودارهای BOX PLOT **و** P-P, Q-Q **ترسیم شده برای متغیر** Th **در منطقه مطالعاتی.**



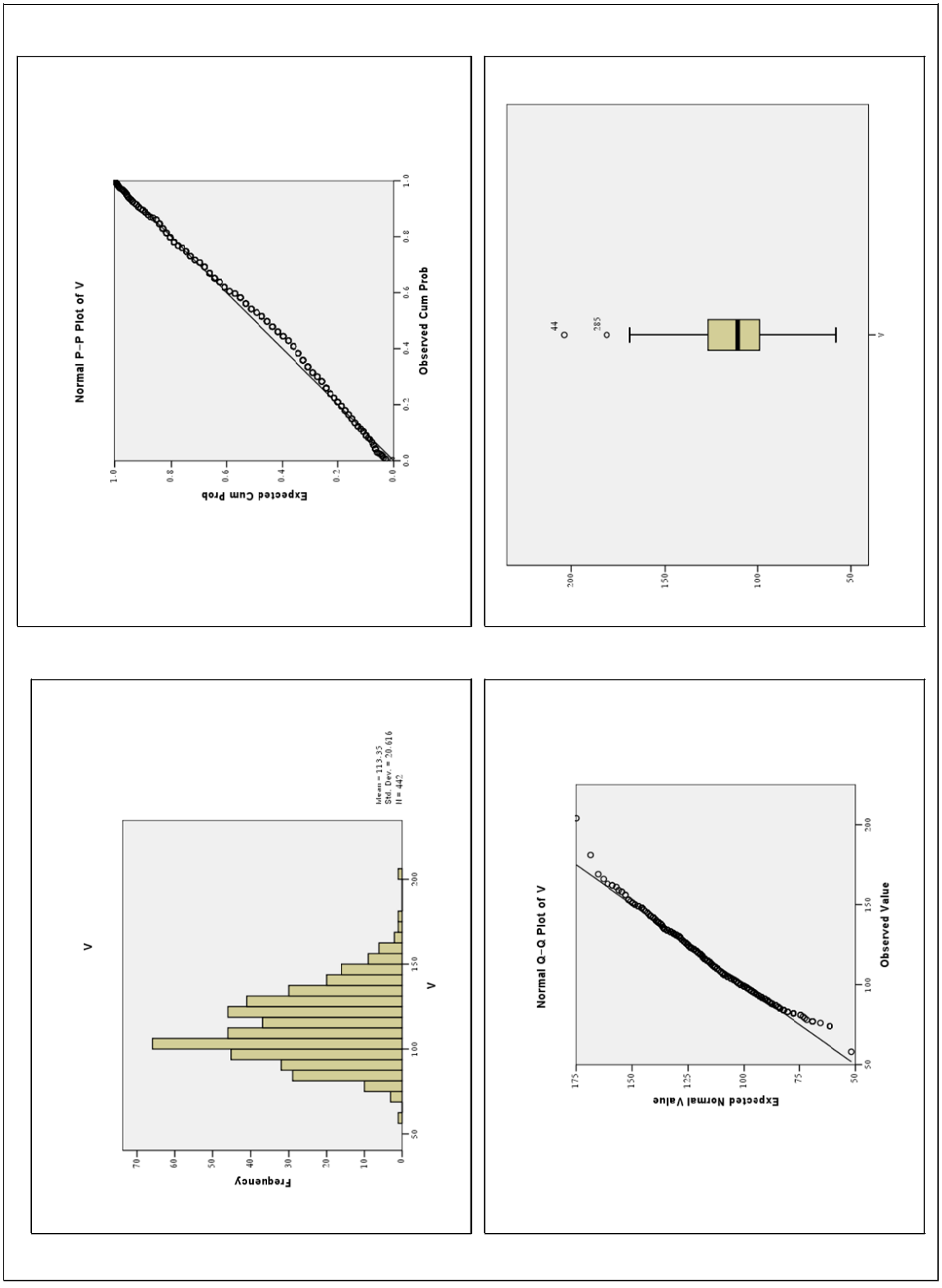
شکل (۲-۷۸): هیستوگرام و نمودارهای P-P, Q-Q و BOX PLOT ترسیم شده برای متغیر Ti در منطقه مطالعاتی.



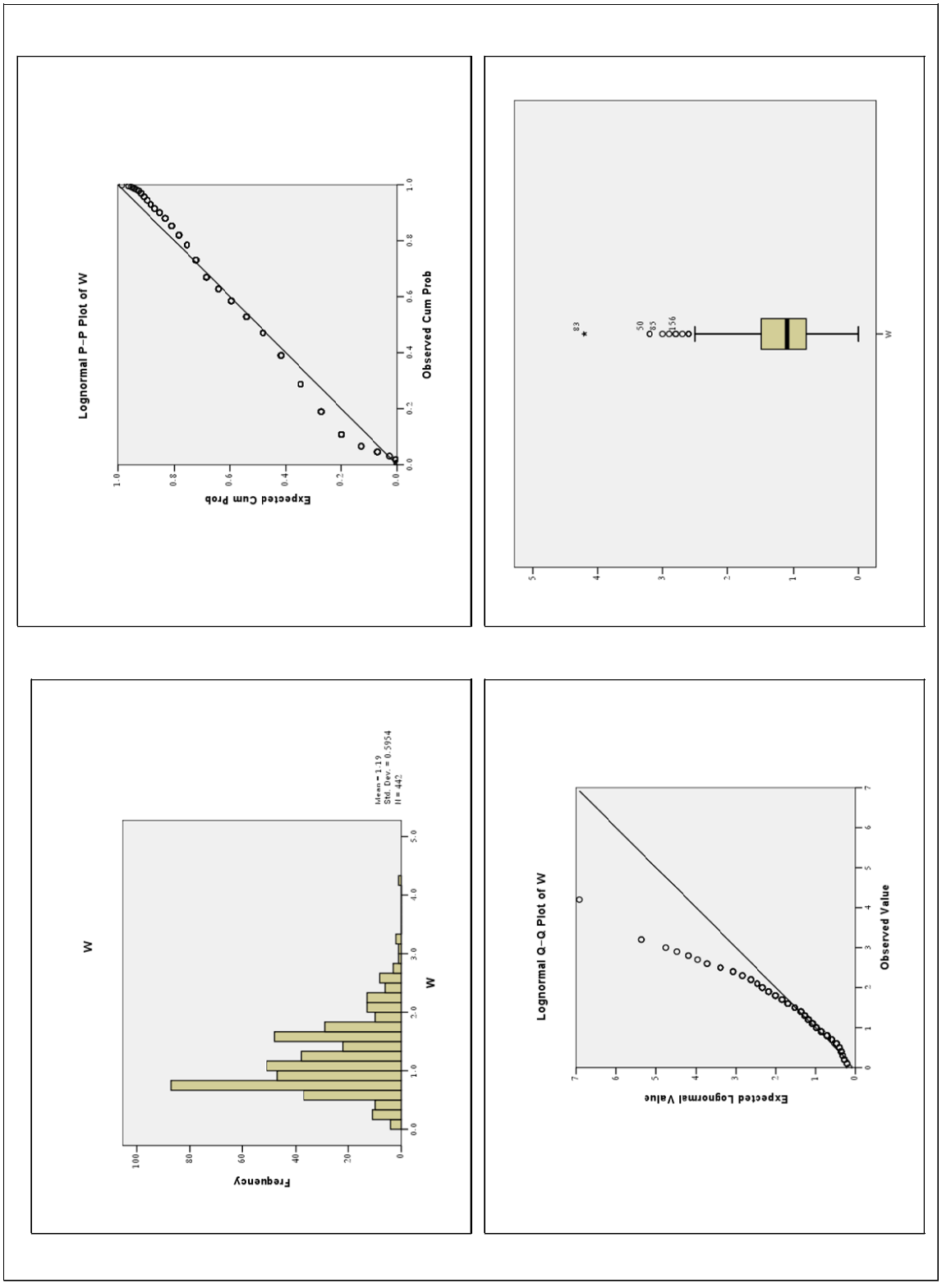
شکل (۲-۷۹): هیستوگرام و نمودارهای P-P, Q-Q و BOX PLOT ترسیم شده برای متغیر Tl در منطقه مطالعاتی.



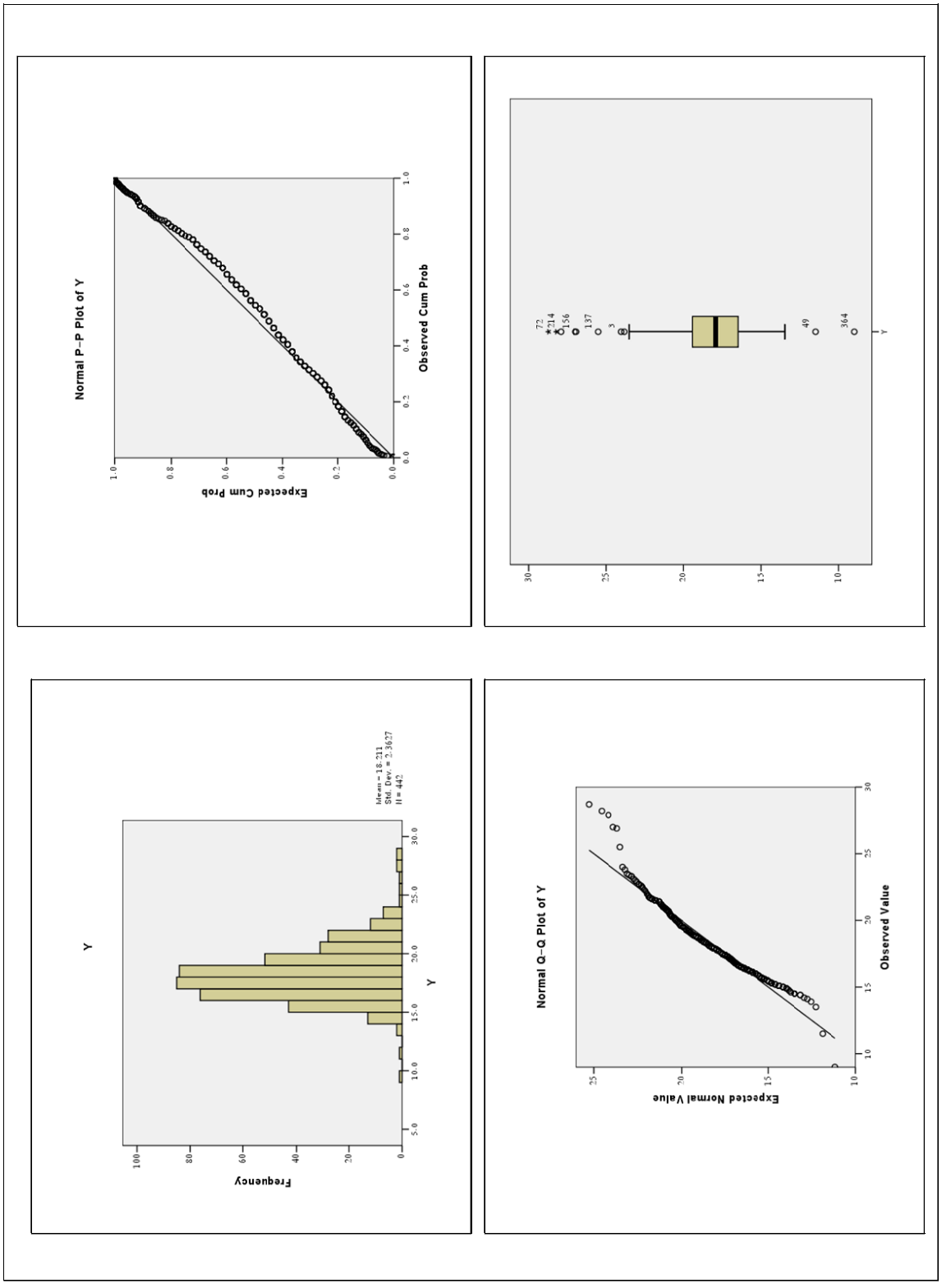
شکل (۲—۸۰): هیستوگرام و نمودارهای P-P, Q-Q و BOX PLOT ترسیم شده برای متغیر U در منطقه مطالعاتی.



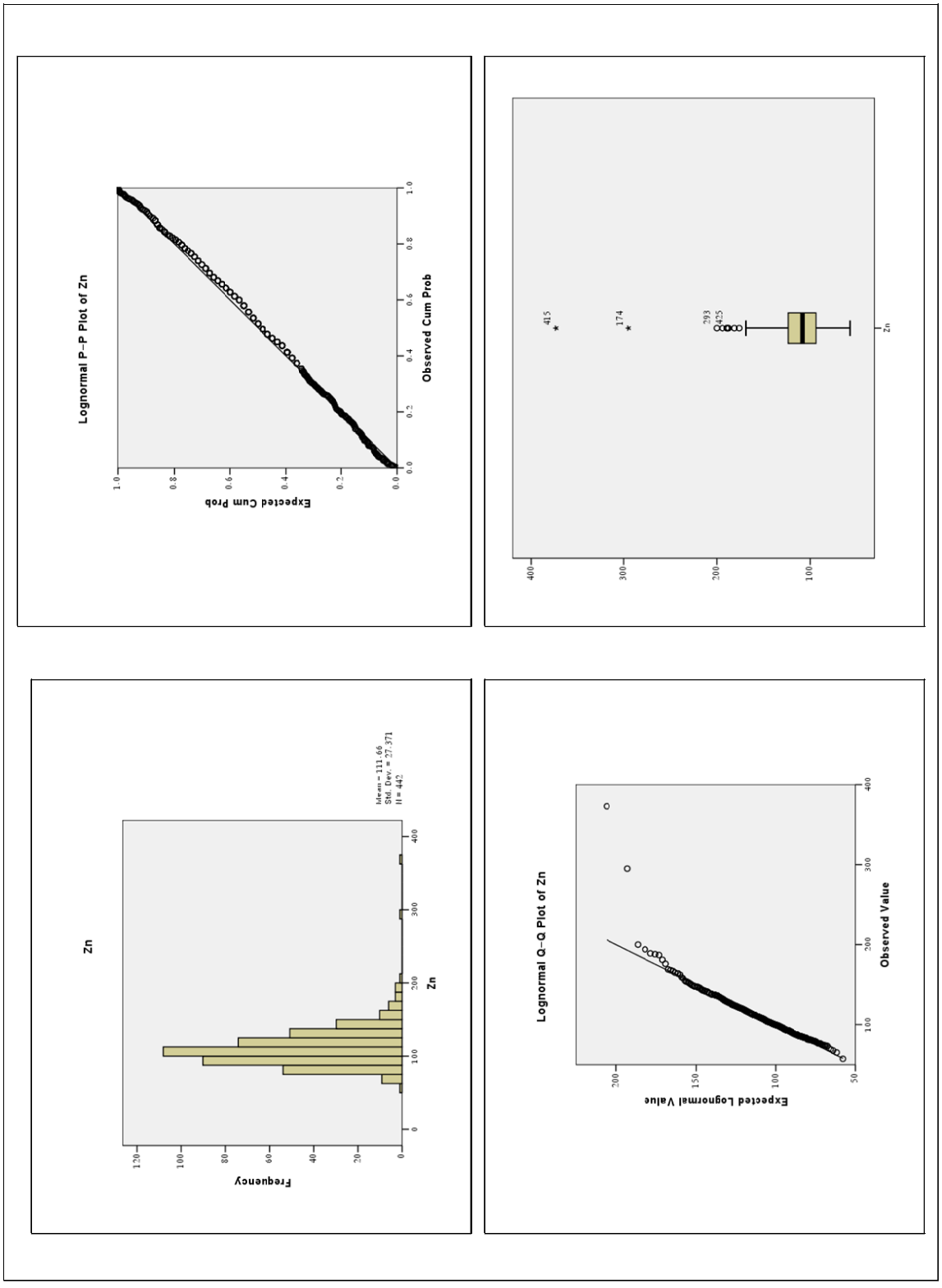
شکل (۲-۸۱): هیستوگرام و نمودارهای P-P, Q-Q و BOX PLOT ترسیم شده برای متغیر V در منطقه مطالعاتی.



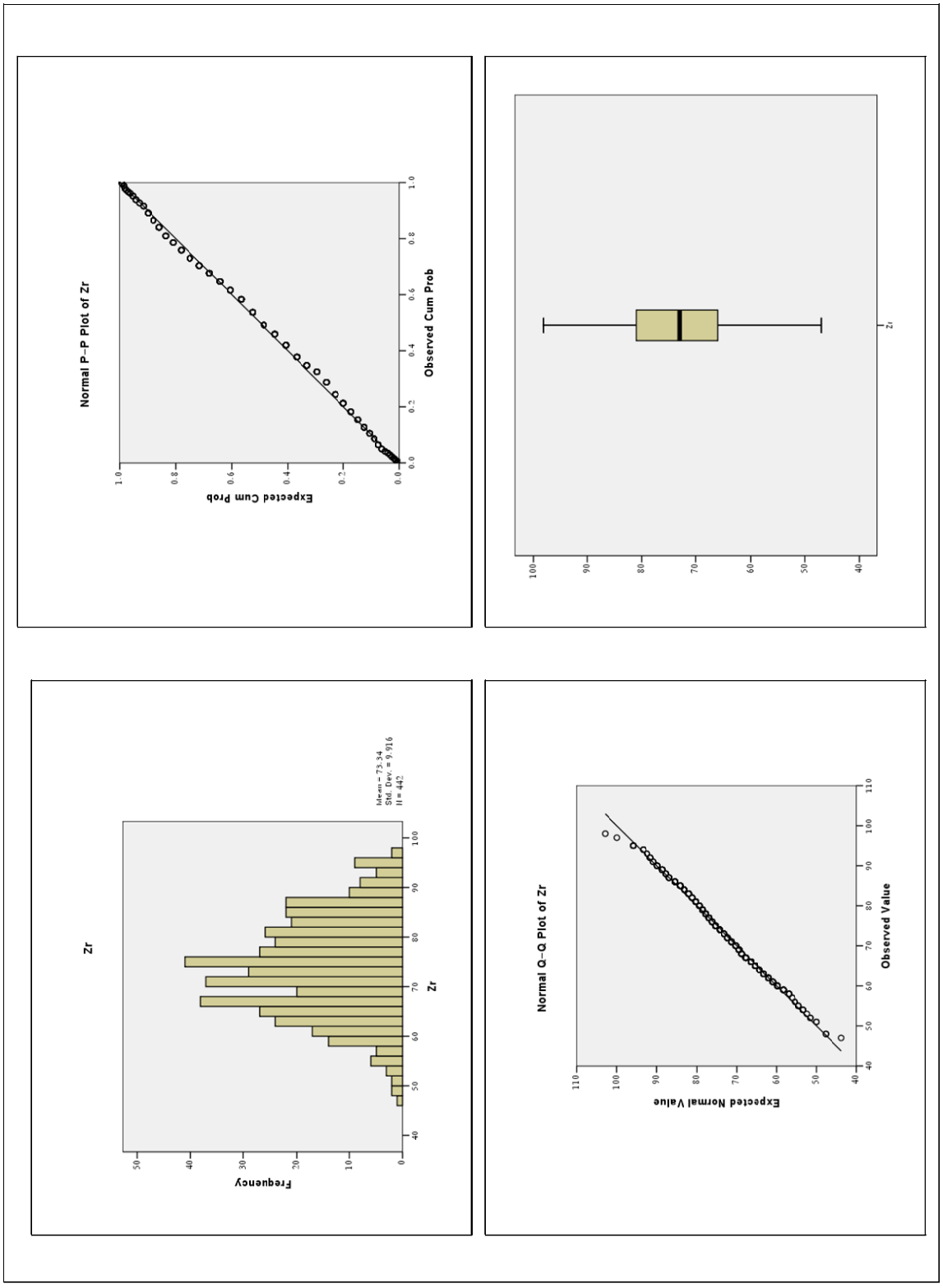
شکل (۲-۸۲): هیستوگرام و نمودارهای P-P, Q-Q **و** BOX PLOT **ترسیم شده برای متغیر** W **در منطقه مطالعاتی.**



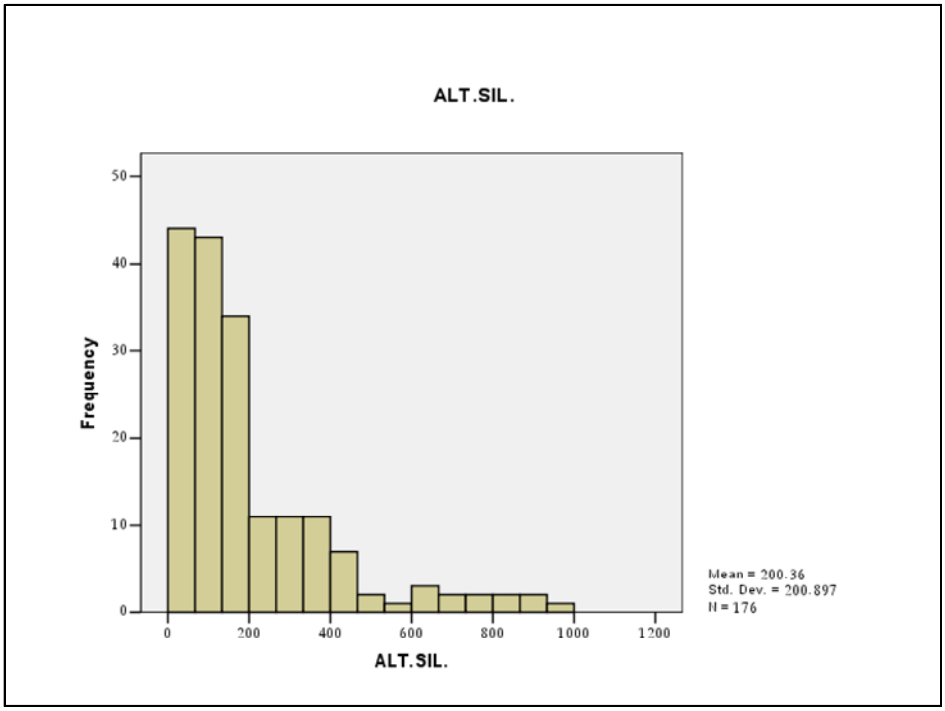
شکل (۲-۸۳): هیستوگرام و نمودارهای P-P, Q-Q **و** BOX PLOT **ترسیم شده برای متغیر** Y **در منطقه مطالعاتی.**

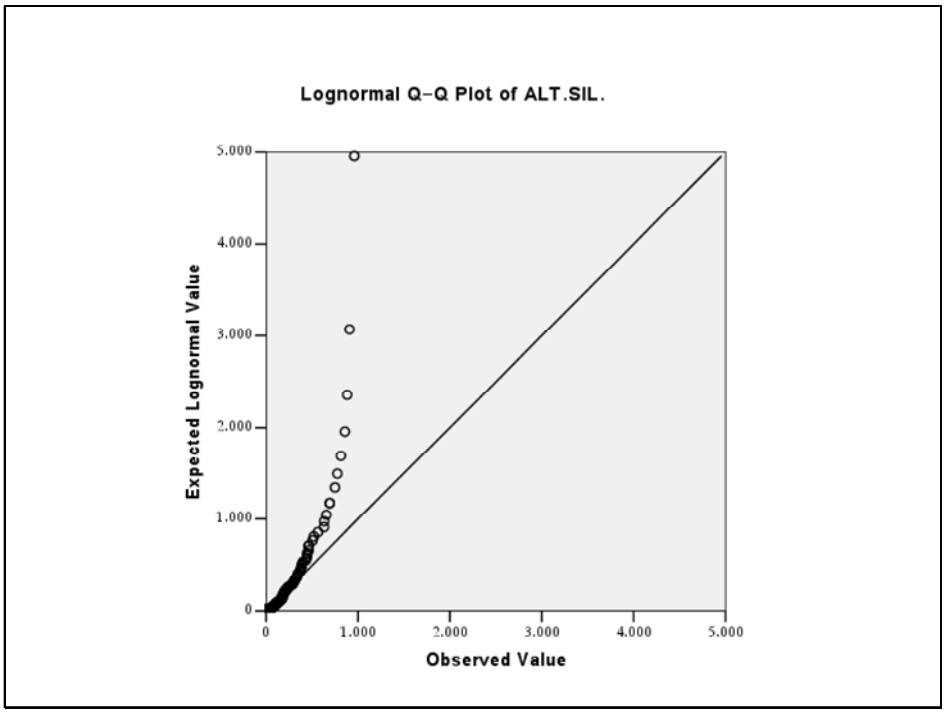


شکل (۲-۸۴): هیستوگرام و نمودارهای BOX PLOT **و** P-P, Q-Q **ترسیم شده برای متغیر** Zn **در منطقه مطالعاتی.**

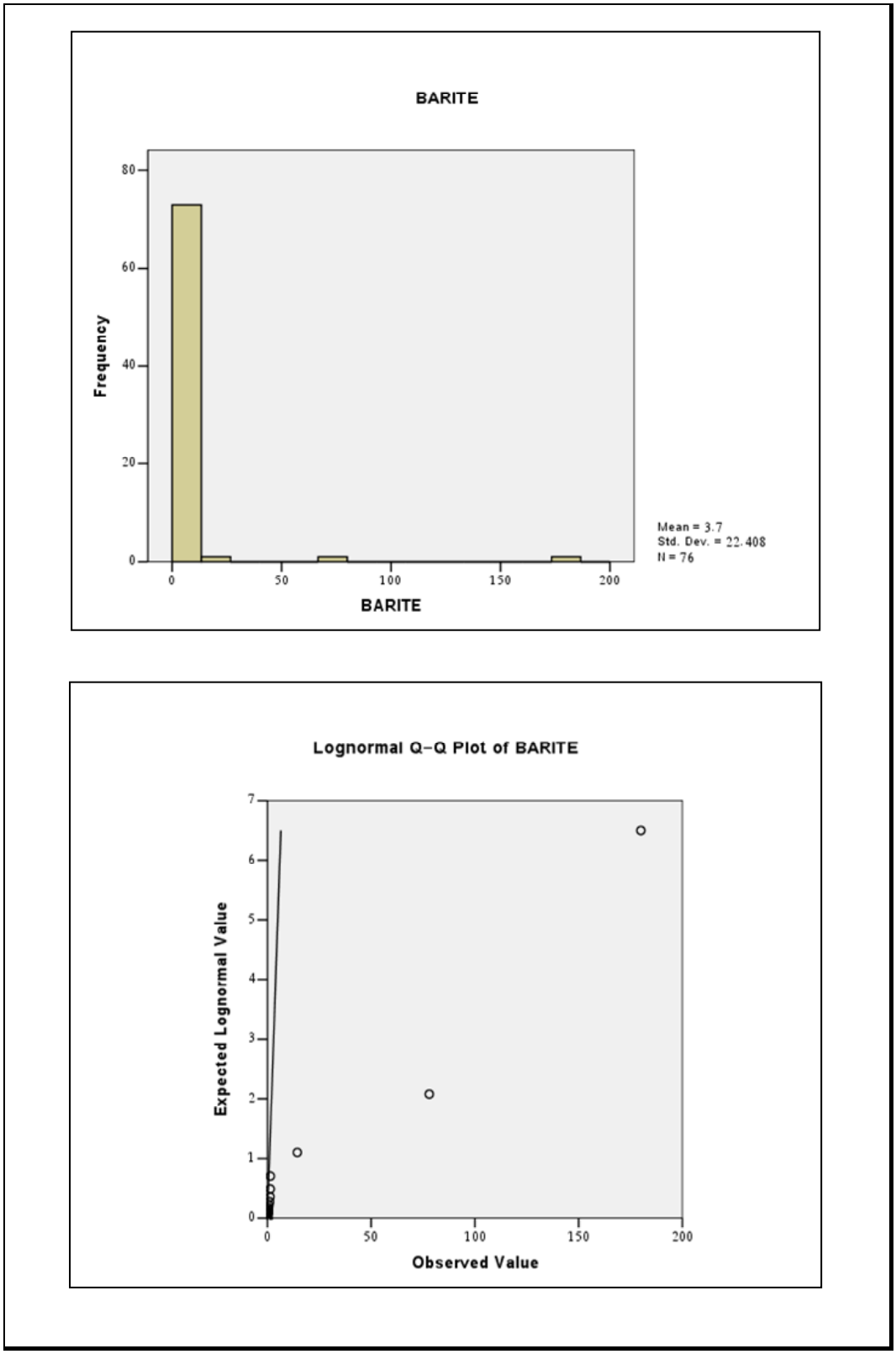


شکل (۲-۸۵): هیستوگرام و نمودارهای P-P, Q-Q و BOX PLOT ترسیم شده برای متغیر Zr در منطقه مطالعاتی.

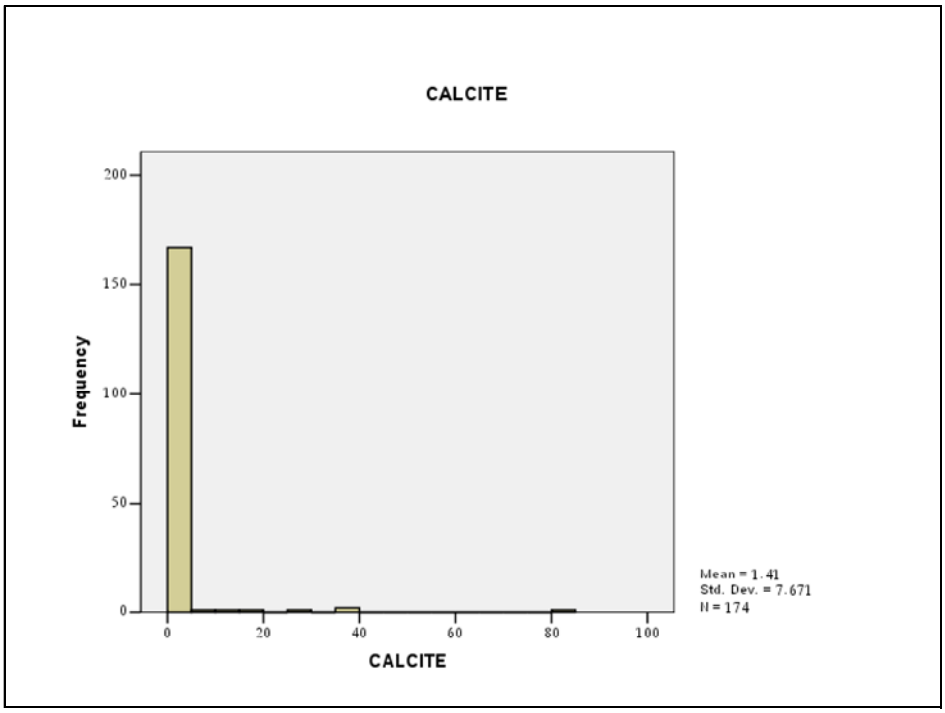


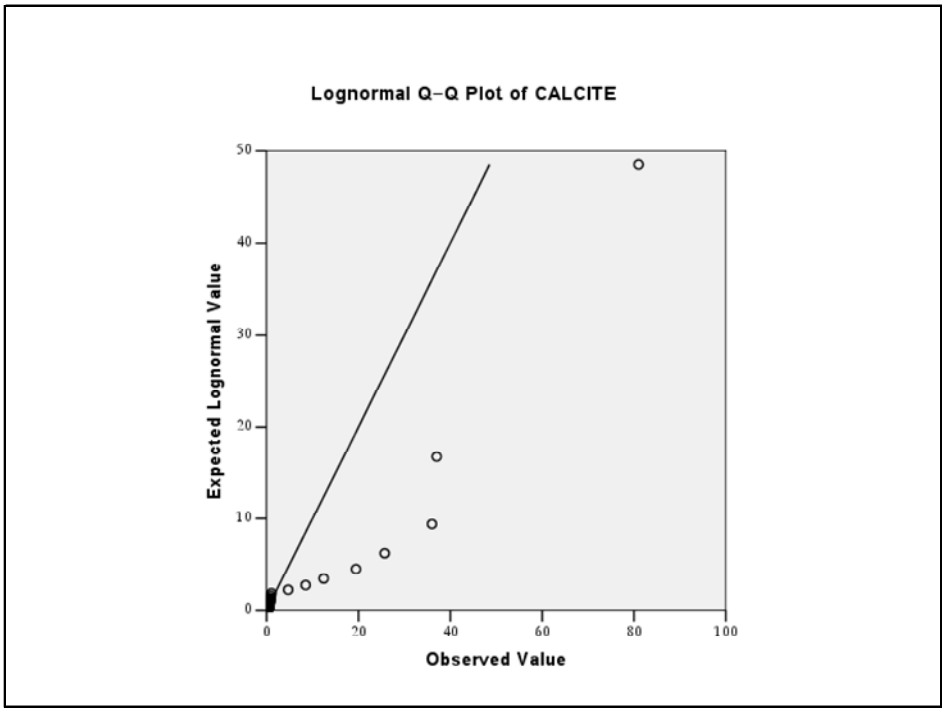


شکل (۳-۲): هیستوگرام و نمودار Q-Q ترسیم شده برای متغیر کانی سنگین سیلیکاتهای آلتره شده در منطقه مطالعاتی.

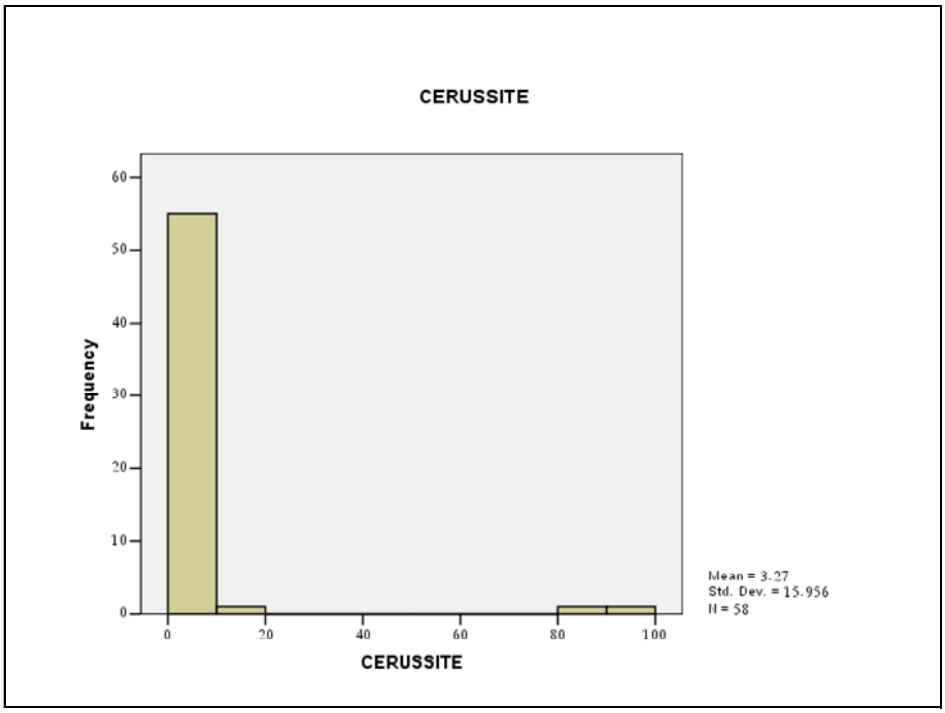


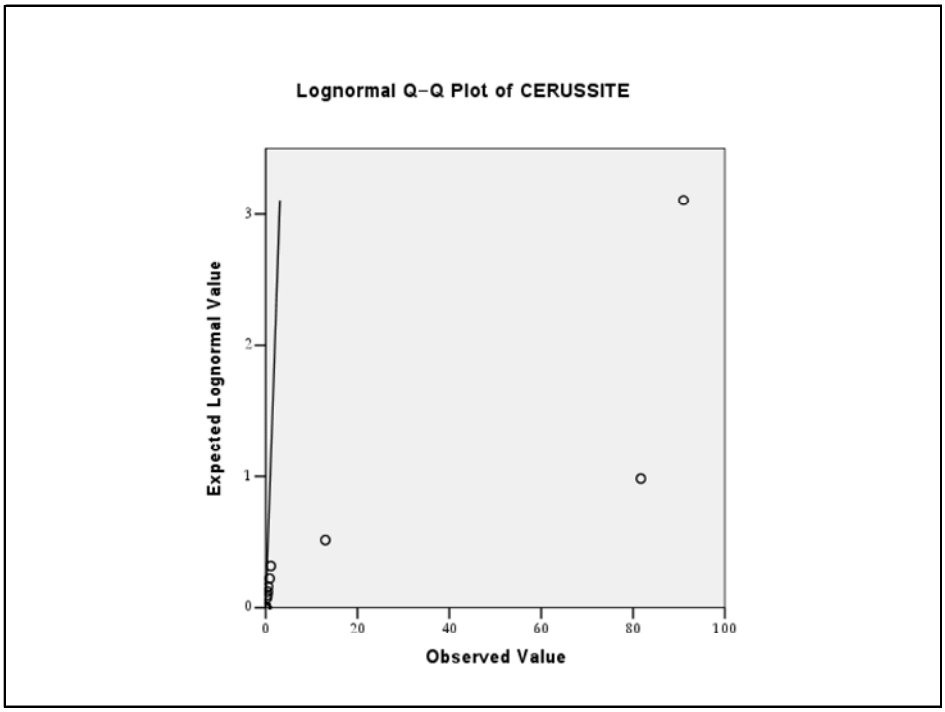
شکل (۳-۳): هیستوگرام و نمودار Q-Q ترسیم شده برای متغیر کانی سنگین باریت در منطقه مطالعاتی.



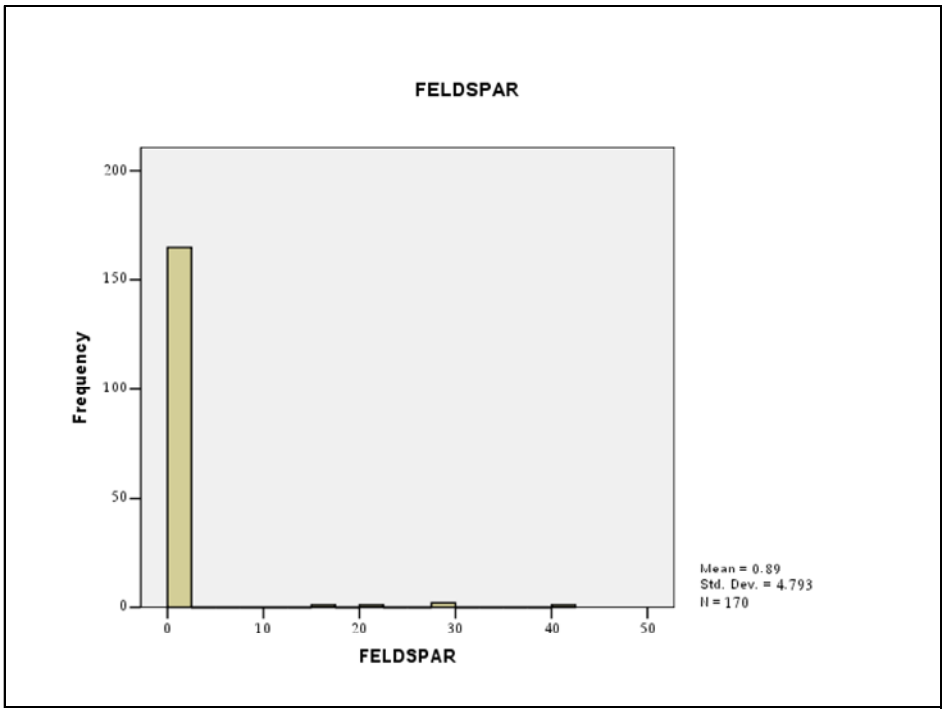


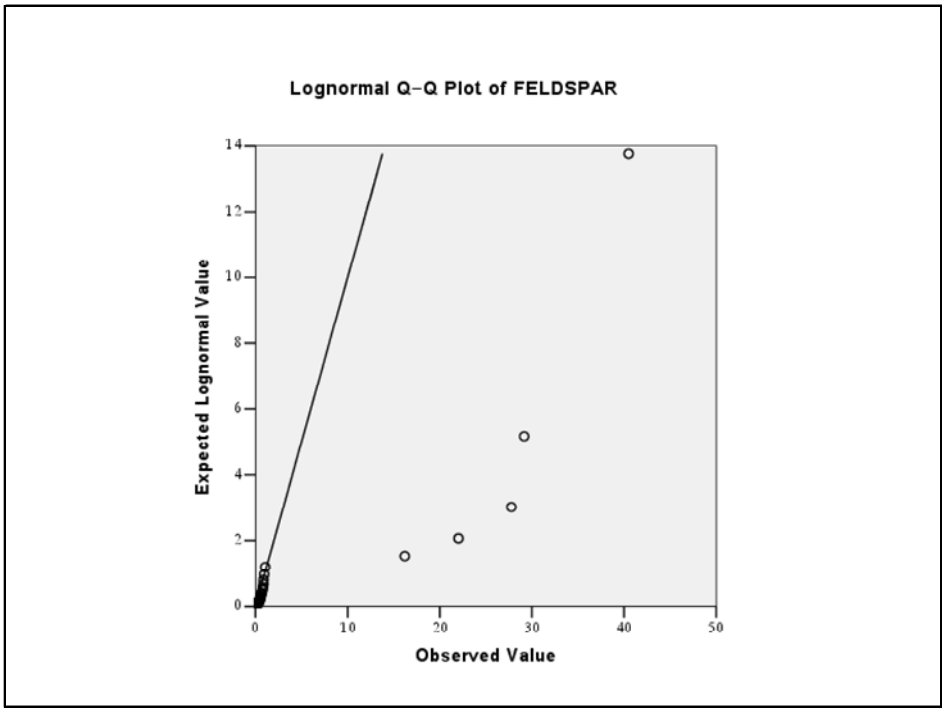
شکل (۳-۴): هیستوگرام و نمودار Q-Q ترسیم شده برای متغیر کانی سنگین کلسیت در منطقه مطالعاتی.



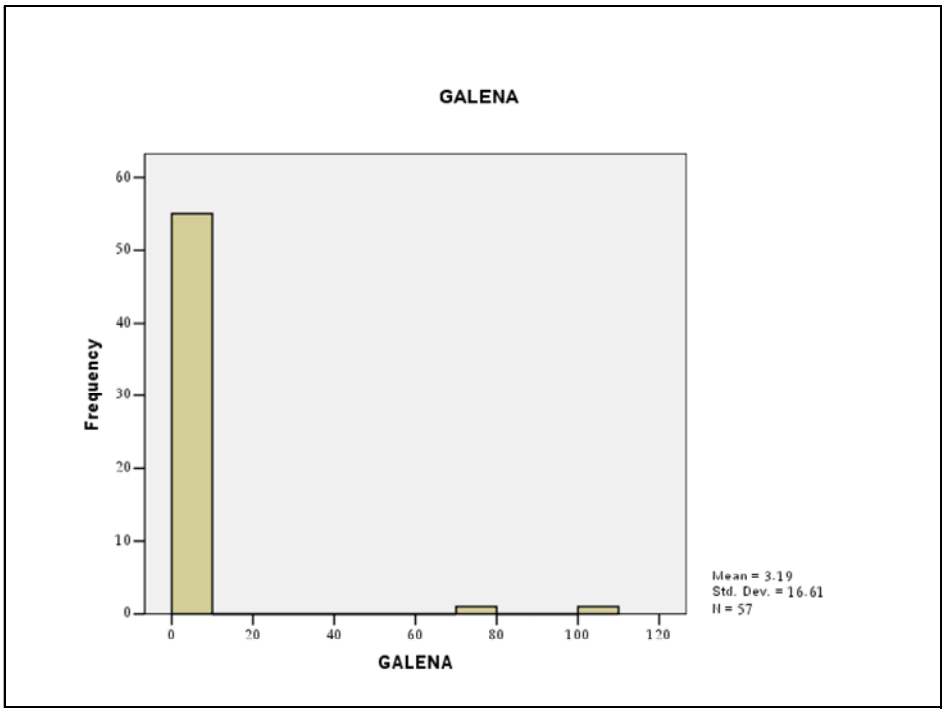


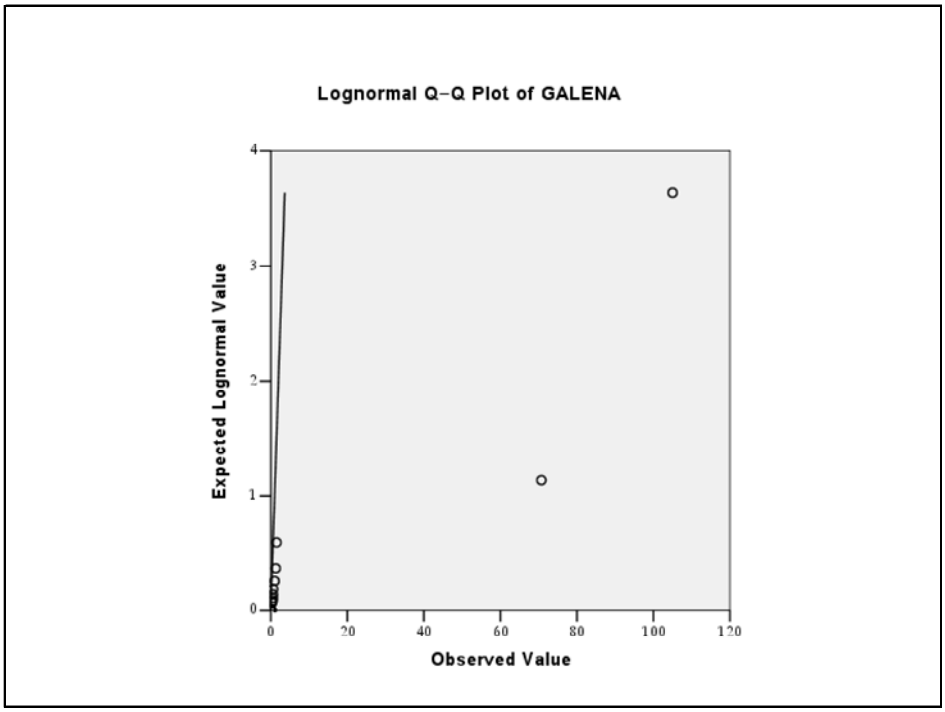
شکل (۳-۵): هیستوگرام و نمودار Q-Q ترسیم شده برای متغیر کانی سنگین سروزیت در منطقه مطالعاتی.



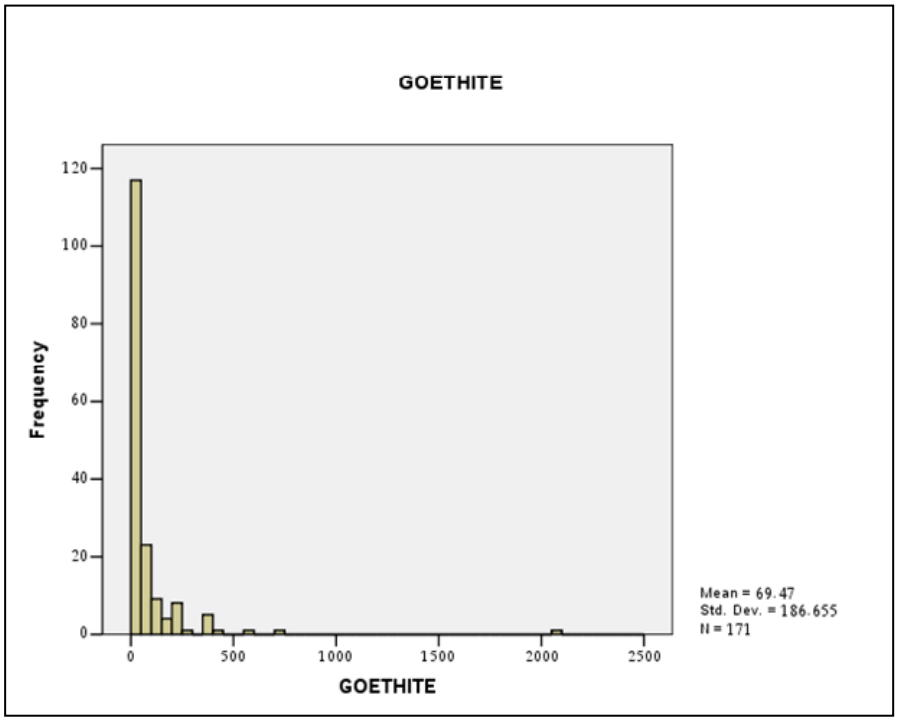


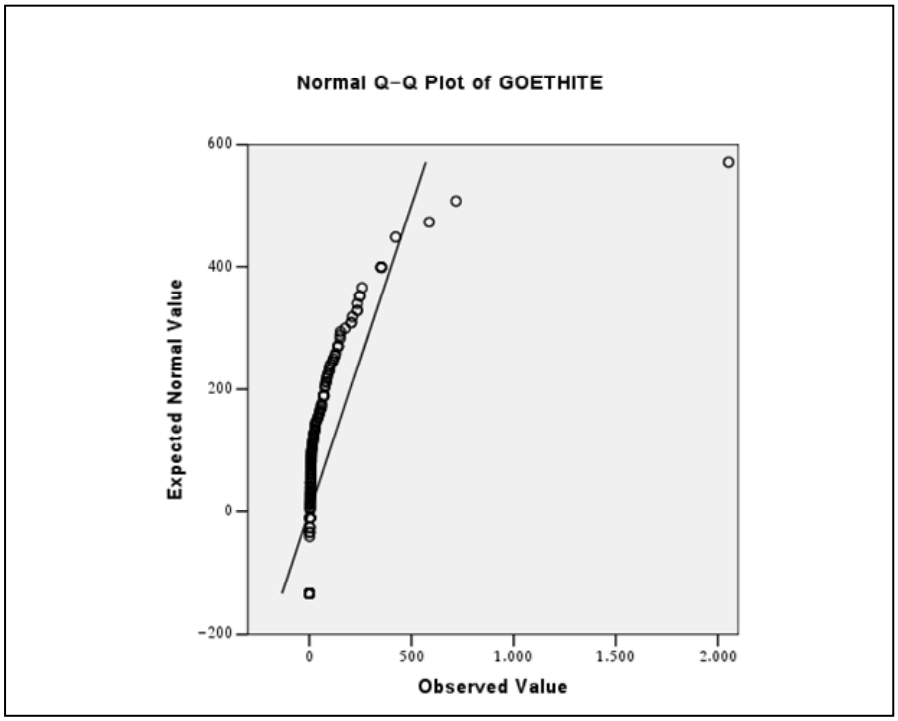
شکل (۳-۶): هیستوگرام و نمودار Q-Q ترسیم شده برای متغیر کانی سنگین فلدسپات در منطقه مطالعاتی.



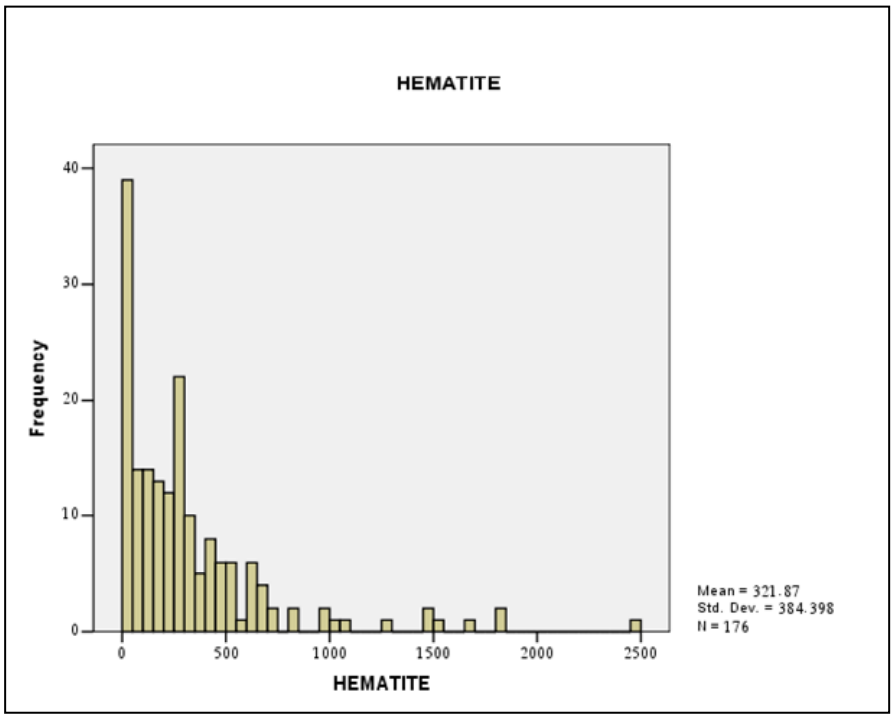


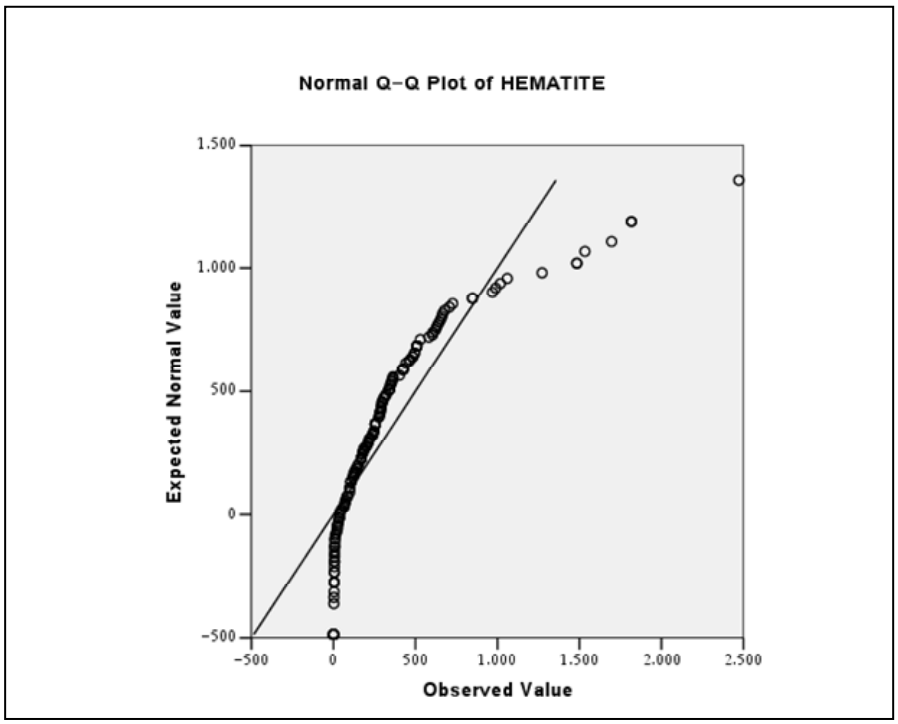
شکل (۳-۷): هیستوگرام و نمودار Q-Q ترسیم شده برای متغیر کانی سنگین گالن در منطقه مطالعاتی.



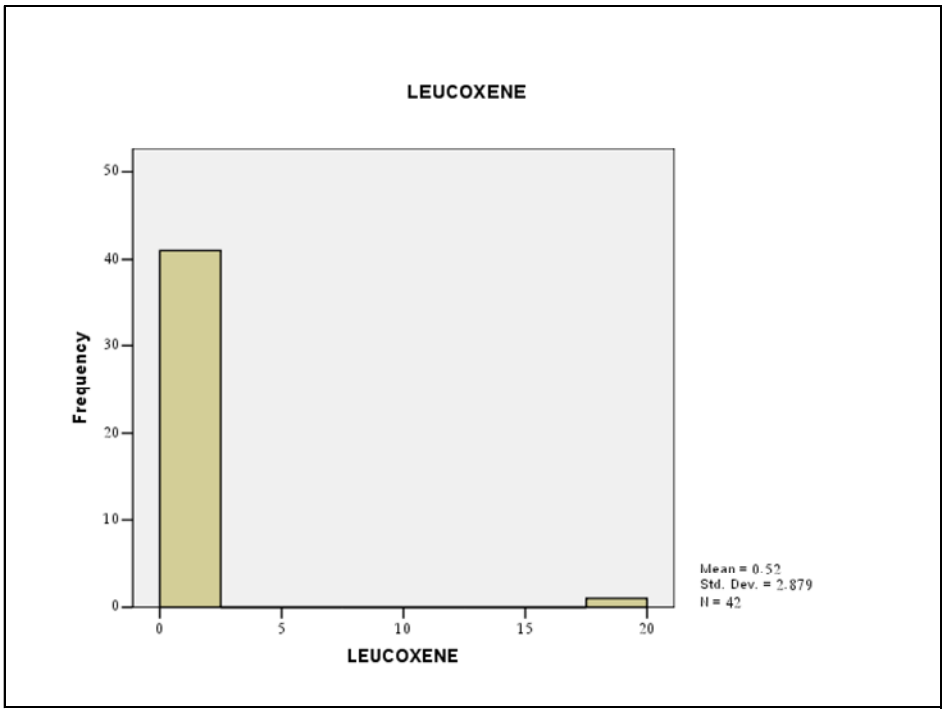


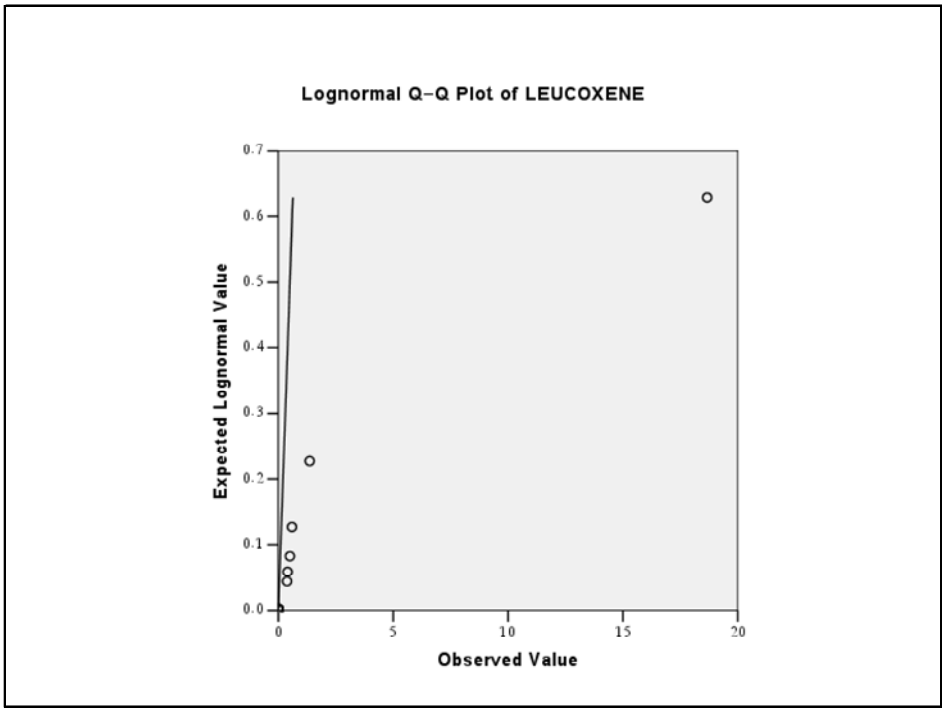
شکل (۳-۸): هیستوگرام و نمودار Q-Q ترسیم شده برای متغیر کانی سنگین گوتیت در منطقه مطالعاتی.



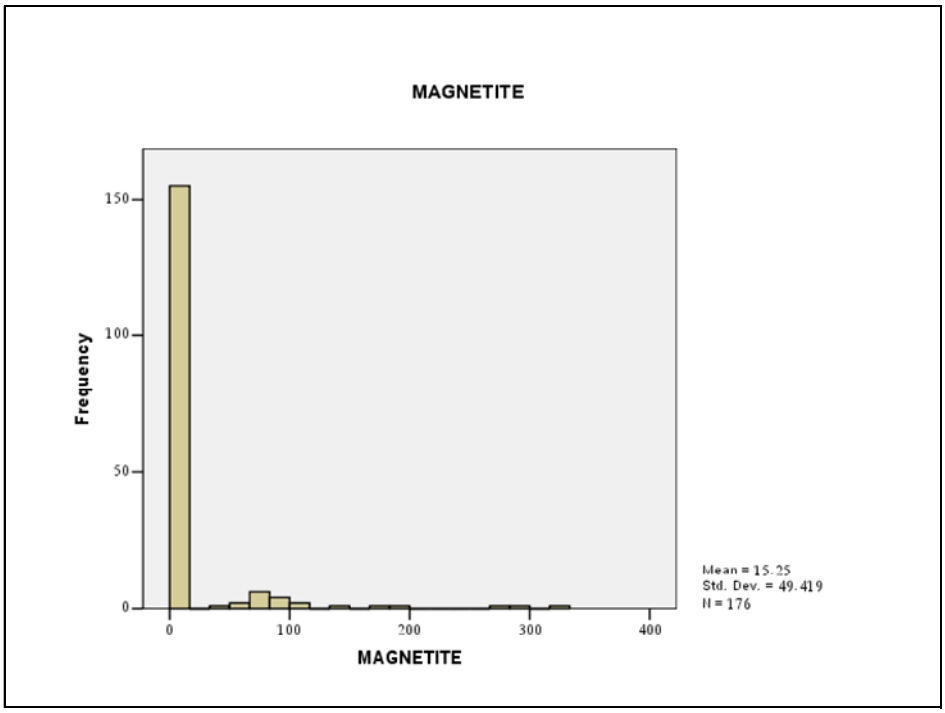


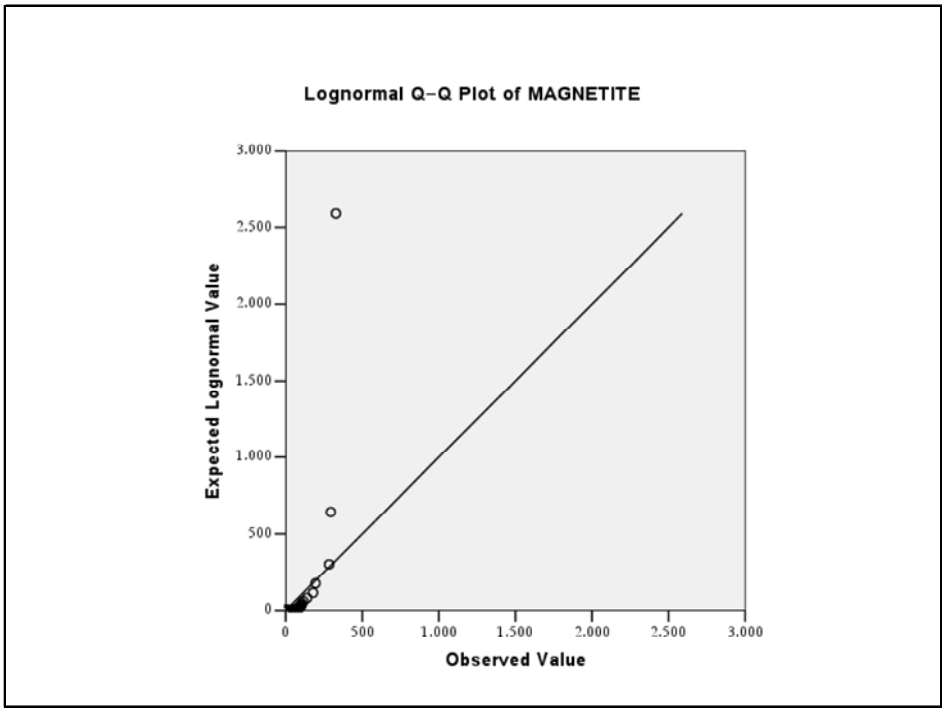
شکل (۳-۹): هیستوگرام و نمودار Q-Q ترسیم شده برای متغیر کانی سنگین هماتیت در منطقه مطالعاتی.



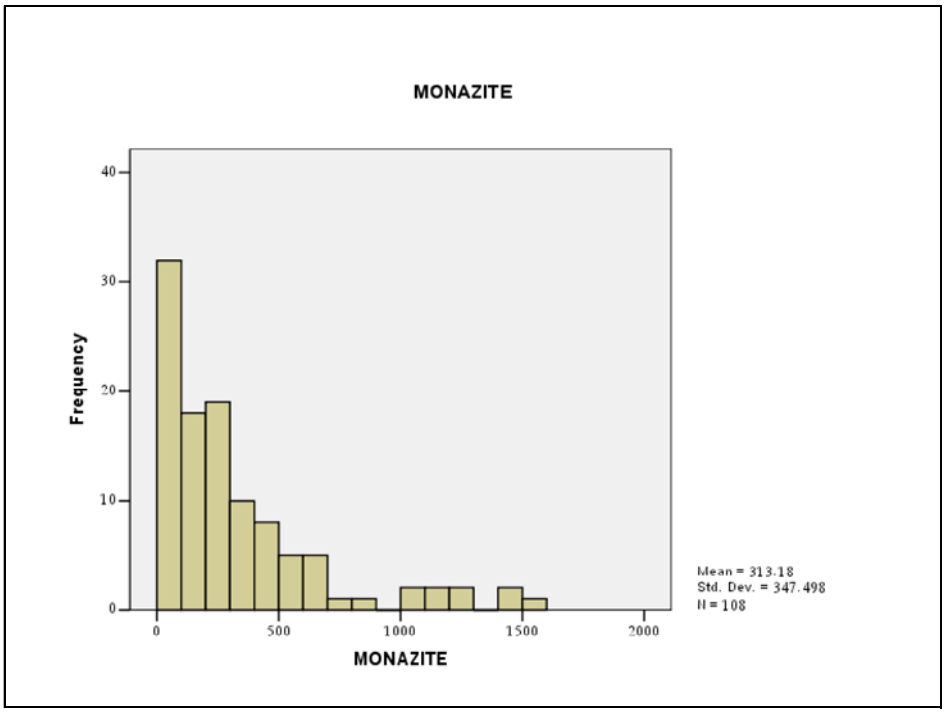


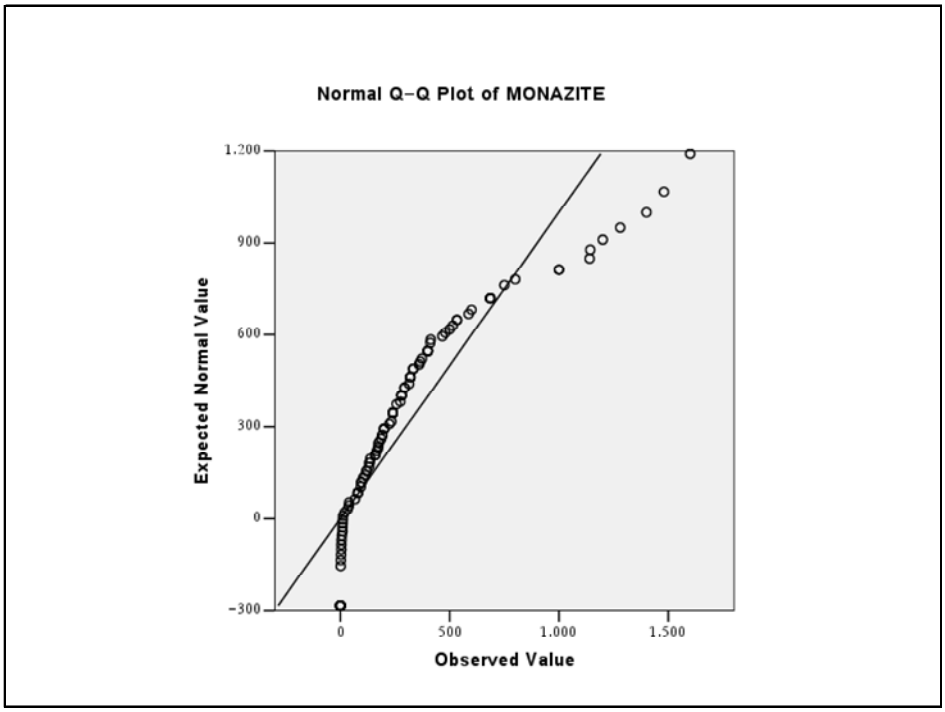
شکل (۳–۱۰): هیستوگرام و نمودار Q-Q ترسیم شده برای متغیر کانی سنگین لوکوکسن در منطقه مطالعاتی.



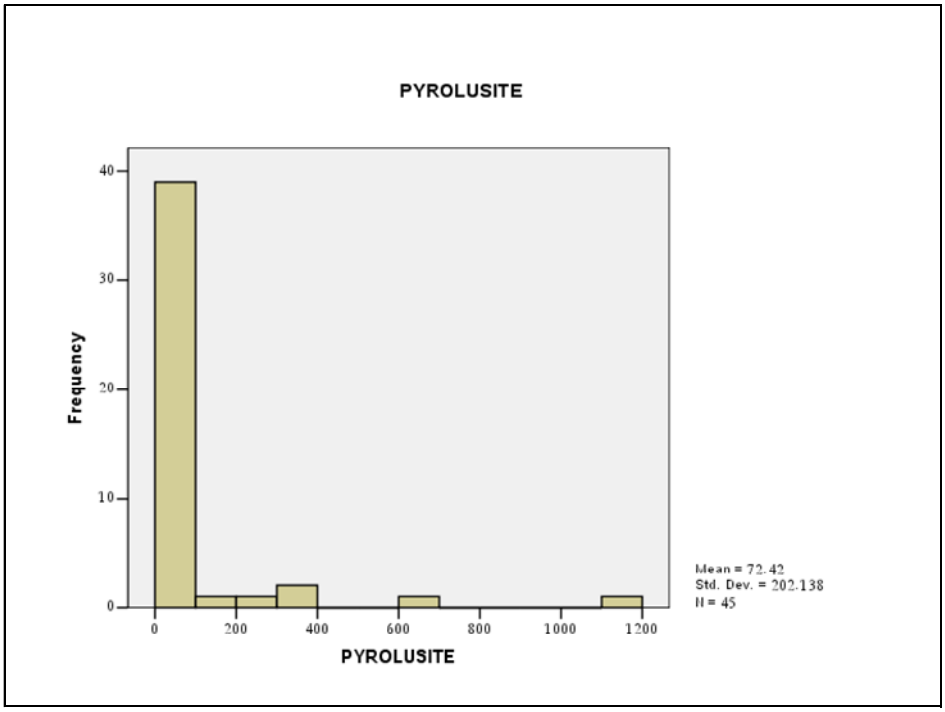


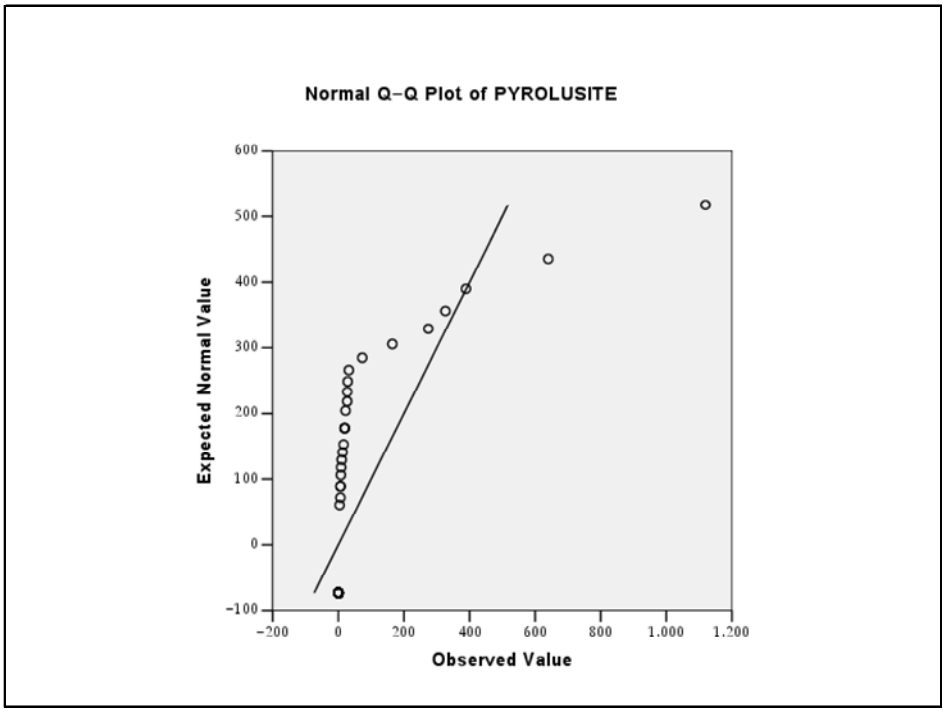
شکل (۳-۱۱): هیستوگرام و نمودار Q-Q ترسیم شده برای متغیر کانی سنگین مگنتیت در منطقه مطالعاتی.



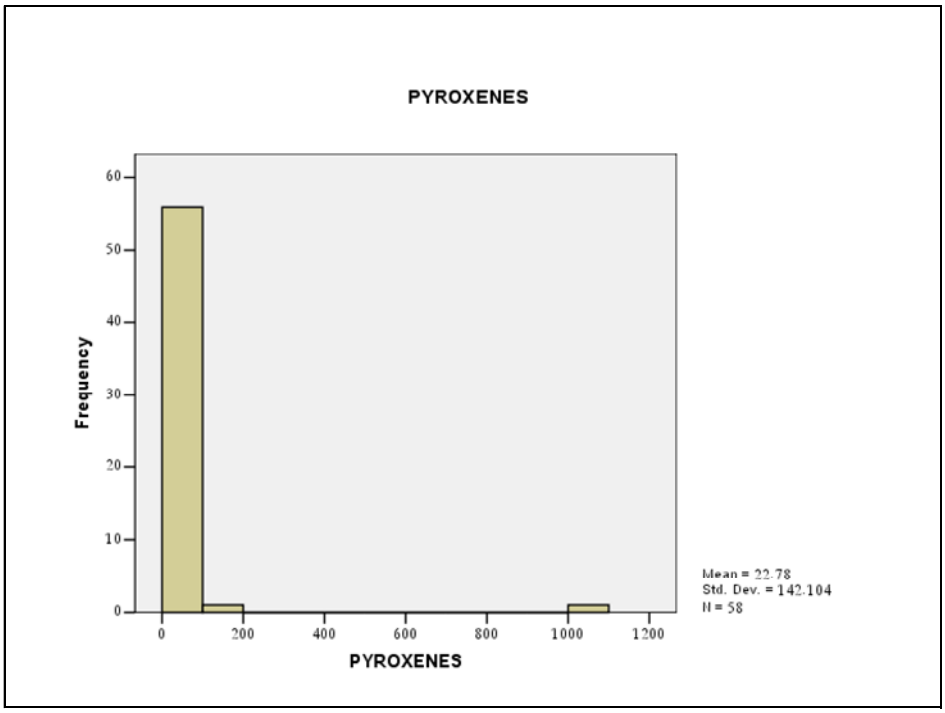


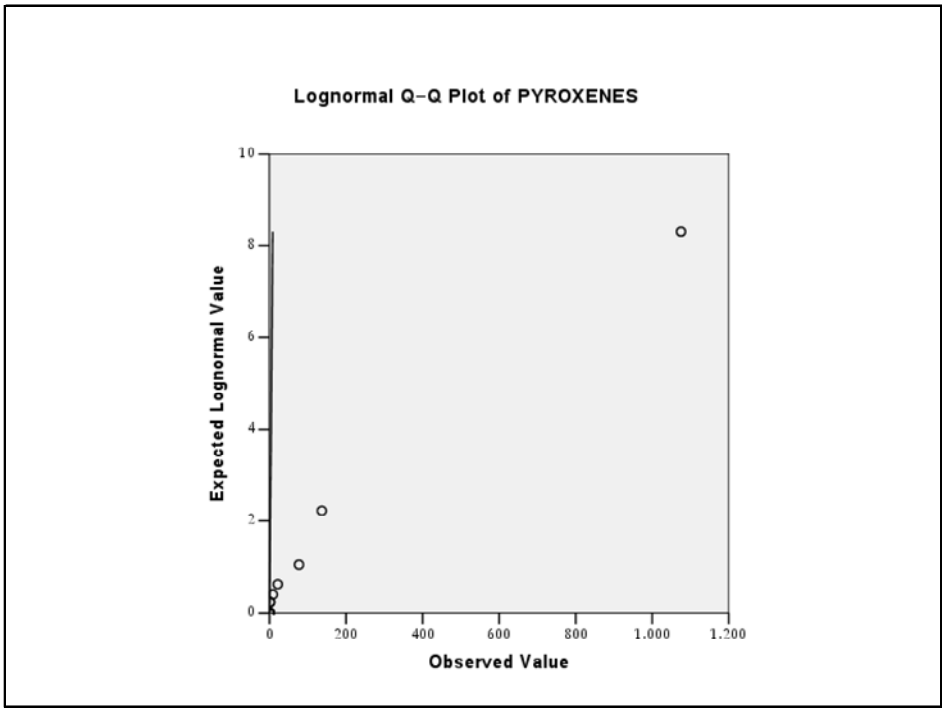
شکل (۳-۱۲): هیستوگرام و نمودار Q-Q ترسیم شده برای متغیر کانی سنگین مونازیت در منطقه مطالعاتی.



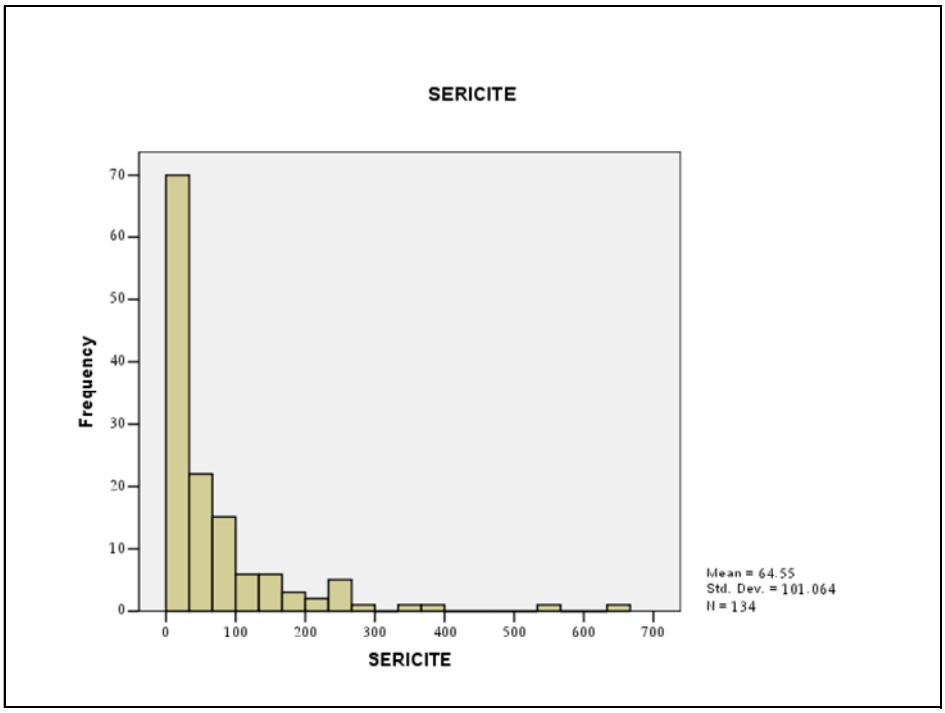


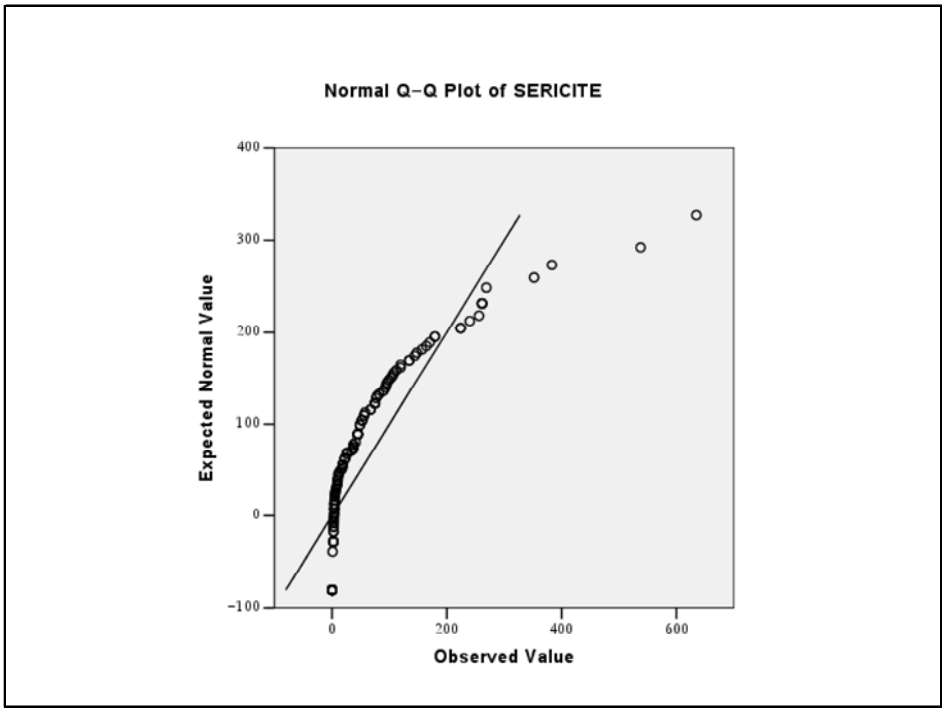
شکل (۳-۱۳): هیستوگرام و نمودار Q-Q ترسیم شده برای متغیر کانی سنگین پیرولوزیت در منطقه مطالعاتی.



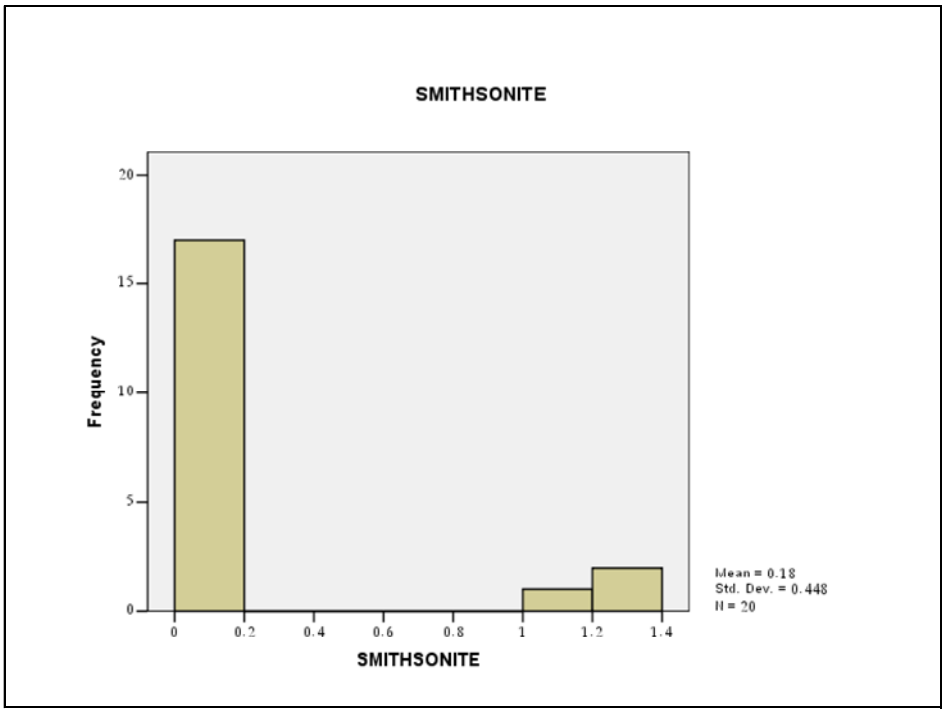


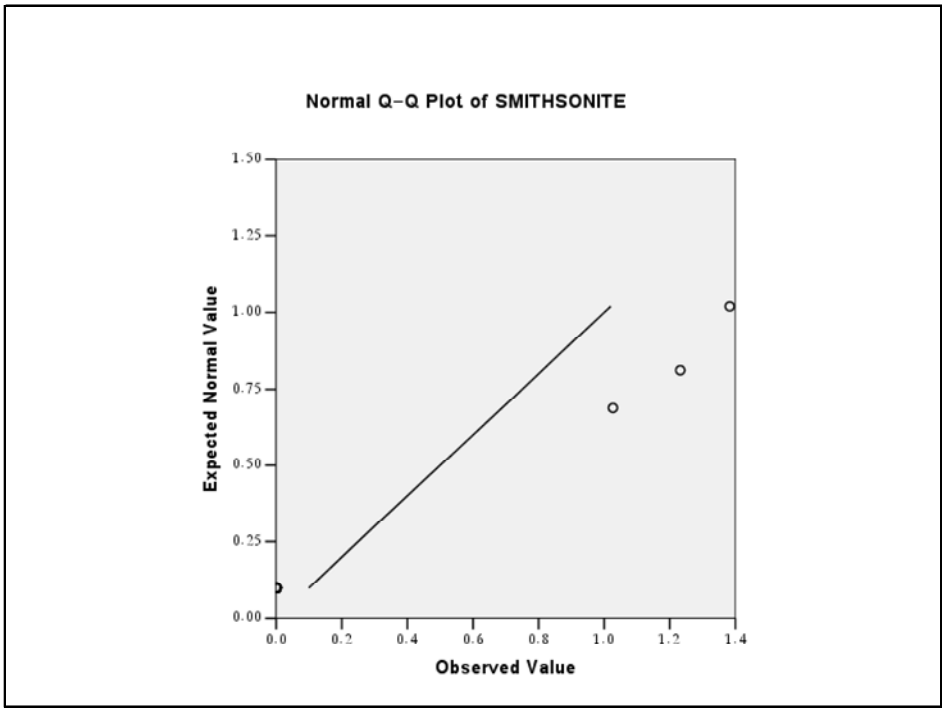
شکل (۳-۱۴): هیستوگرام و نمودار Q-Q ترسیم شده برای متغیر کانی سنگین پیروکسن در منطقه مطالعاتی.



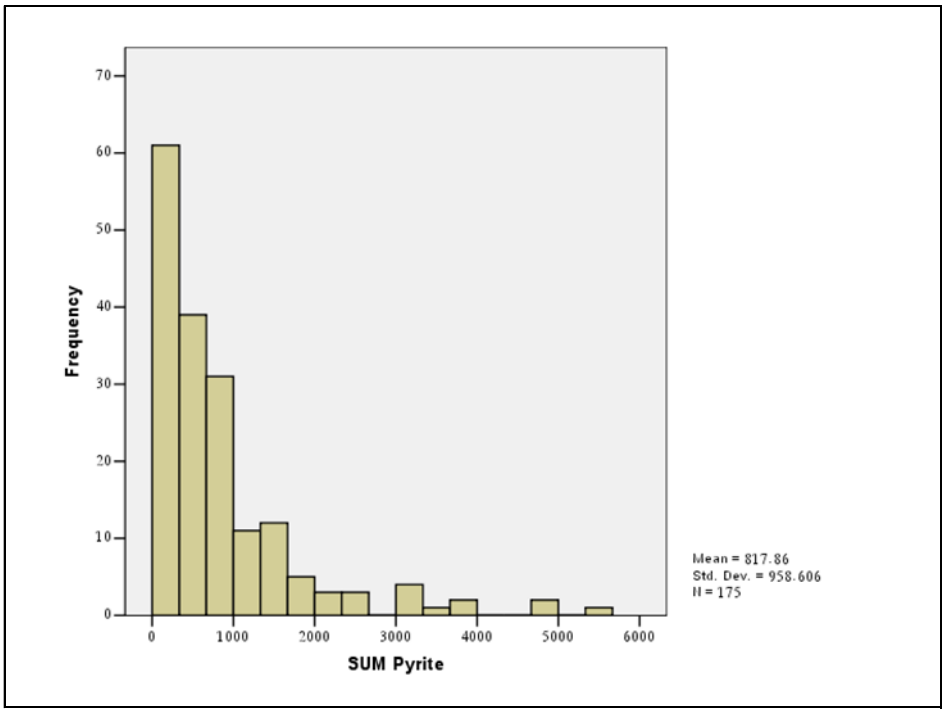


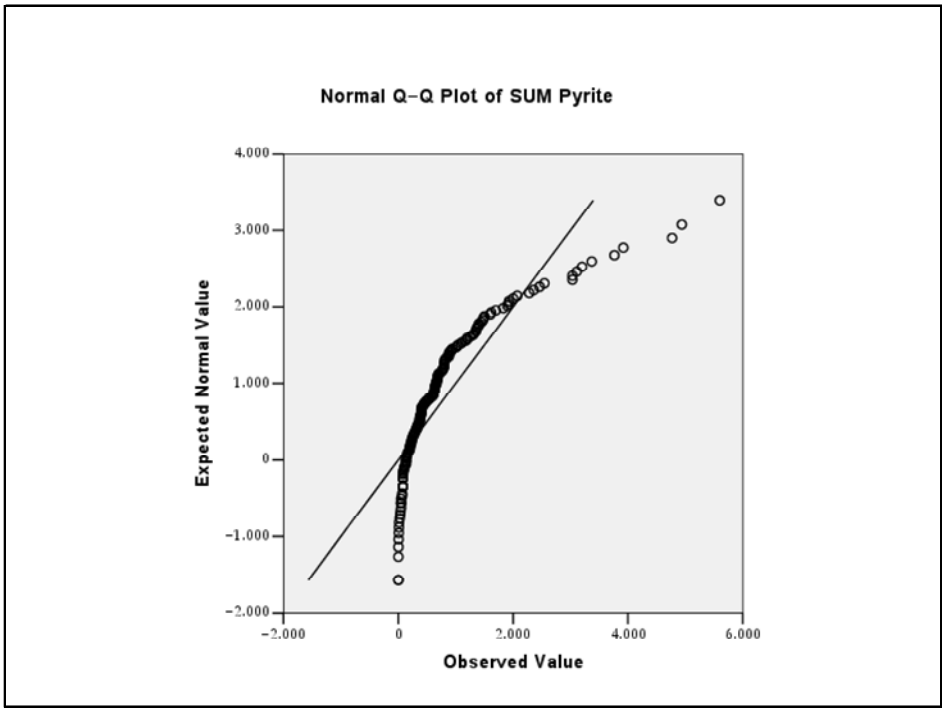
شکل (۳–۱۵): هیستوگرام و نمودار Q-Q ترسیم شده برای متغیر کانی سنگین سریسیت در منطقه مطالعاتی.





شکل (۳–۱۶): هیستوگرام و نمودار Q-Q ترسیم شده برای متغیر کانی سنگین اسمیتزونیت در منطقه مطالعاتی.





شکل (۳–۱۷): هیستوگرام و نمودار Q-Q ترسیم شده برای متغیر مجموع کانی های پیریت در منطقه مطالعاتی.

شناسنامه های مناطق آنومال

Sheet 1:25,000 **Arak II** Anomaly NO : **A1**

Geochemical Anomal Samples:

Sample No.	Anomaly	Raw Data	USRT	Ei
257	Ba	711	Ksl1	2.1

Airborne Geoph. : Shallow Magnetic Bodies: Geoph. Faults:

Altration:	Serpentine	Sillicification	Propilitic	Argilic	Qz.Carbonate	Listv.	Chloritization	Potasic
Fault:	Fracture:	Limonite	Hematite	Goetite	Siderite	Graizen	Sericitization	Philic

Weathering : Gossan : Other :

Heavy Mineral Samples Taken From Anomal Area :

Heavy Mineral	A2-255-H	A2-256-H	A2-257-H	A2-258-H	A2-260-H	A2-262-H
ALT.SIL.	194.4	105.6	10.8	243	108	345.6
AMPHIBOL	0	0	0	0	0	0
ANATASE	0	0	0	0	0	0
APATITE	0	0	0	0	0	0
BARITE	0.20	0.001	180	0.405	0.001	14.4
CALCITE	0.001	0.001	0.001	0.001	0.001	0.001
CHLORITE	0	0	0	0	0	0
CINNABAR	0	0	0	0	0	0
CERUSSITE	0	0.001	0	0	0	0.001
ELECTROM	0	0	0	0	0	0
EPIDOTS	0	0	0	0	0	0
FELDSPAR	0.001	0.001	0.001	0.001	0.001	0.001
FLOURITE	0	0	0	0	0	0
GALENA	0	0	0	0	0	0.001
GARNET	0	0	0	0	0	0
GOLD	0	0	0	0	0	0
GOETHITE	0.001	0.001	16.544	0.001	8.8	0.001
HEMATITE	190.8	207.3	402.8	9.54	530	339.2
ILMENITE	0	0	0	0	0	0
KIANITE	0	0.001	0	0	0	0
LEUCOXENE	0	0	0	0	0	0
LIMONITE	0.001	0.001	0.001	0.001	0	0
MAGNETITE	0.001	0.001	1.04	0.468	0.001	0.001
MALACHITE	0	0	0	0	0	0
MASSICOT	0	0.001	0	0	0	0
MONAZITE	90	9.8	0	450	200	320
NATIVE COPPER	0	0.001	0	0.783	0	0
NATIVE LEAD	0	0	0	0	0	0
PYRITE	0.001	0.001	0	0	0	0
PYRITE LIMONITE	0.001	0.001	150.9	0.001	0	140.8
PYRITE(OXIDE)	270	586.7	228.6	900	160	480
PYROLUSITE	0	0	0	0	0	0
PYROXENES	0	0	0	0	0	0
RUTILE	0	0	0	0	0.001	0
SAPHIRE	0	0	0	0	0	0
SERICITE	2.52	0.001	0	0.001	224	179.2
SMITHSONITE	0	0	0	0	0	0
ZIRCON	0	0	0	0	0.001	0
Fe_Minerals	190.8	207.3	420.4	10.01	538.8	339.2
Sum_Pyrite	270.0	586.7	379.4	900	160	620.8
Sum_Ore_M	0	0.003	0	0.783	0	0.002
Sum_Ore_NM	0.2025	0.001	180	0.405	0.001	14.4

Mineralized Samples Taken form Anomal Arera :

Variables	A2-255-M1	A2-255-M2	A2-258-M			
Au	<1	2.94	1.32			
Ag	2.76	7.79	0.1			
As	0.6	1.1	0.7			
Ba	9540	9110	12400			
Bi	<0.1	<0.1	<0.1			
Ca	459	454	228000			
Cd	2.3	14.7	0.3			
Ce	<0.5	0.6	4			
Co	<0.2	5	<0.2			
Cr	<2	<2	<2			
Cu	9.9	31.5	4.5			
Fe	2190	5240	6670			
Hg	0.13	0.47	<0.05			
K	88	190	50			
Mg	95	156	1180			
Mn	90	200	699			
Mo	<0.1	<0.1	0.2			
Na	<10	12	<10			
Nb	<0.5	<0.5	<0.5			
Ni	3.3	5.1	4.6			
P	<5	31	17			
Pb	2350	6530	195			
Re	0.014	0.013	0.019			
S	1610	1600	1490			
Sb	9	27	1.6			
Sn	<0.2	<0.2	<0.2			
Sr	<0.1	<0.1	2640			
Te	<0.2	<0.2	<0.2			
Th	0.06	0.03	0.06			
Ti	52	74	29			
Tl	<0.1	<0.1	<0.1			
U	0.02	0.06	0.04			
V	<2	3	2			
W	<0.1	<0.1	<0.1			
Zn	2390	8730	171			
Zr	<5	<5	<5			

Observed Lithology

Rock Type

Felsic -Intermediate Volcanic; Mafic Volcanic; Berrecia with Mn(Oxid); Andesite; Monzo-Diorite; Granite; Basalt; Olivin Basalt; Rhyolite; Monzo-Gabro; Slate; Aplite; Clay; Calsite; Bereccia; Shale; Silt; Dolomite; Sandstone; Limestone; Obcidian; Marl; Gypsum

Observed Minerals And Fillings In Anomaly Checking :

Minerals

Malachite; Chalcopyrite; Galena; Pyrolusite; Biotite; Bornite; Limonite; Goethite; Hematit; Barite; Silica; Quartz; Quartz Granit; Feldspar; Q-Kianit; Q-topaz

Fillings

Quartz Carbonate; Carbonate; vein; Barite

Sheet 1:25,000 **Arak II** Anomaly NO : **A2**

Geochemical Anomal Samples:

Sample No.	Anomaly	Raw Data	USRT	Ei
141	Au	19	K1sl	7.8
141	Cr	213	K1sl	2.5
137	Sn	4.7	K1sl	2.1

Airborne Geoph. : Shallow Magnetic Bodies: Geoph. Faults:

Altration: Serpentine Sillicification Propilitic Argilic Qz.Carbonate Listv. Chloritization Potasic

Fault: Fracture: Limonite Hematite Goetite Siderite Graizen Sericitization Philic

Weathering : Gossan : Other :

Heavy Mineral Samples Taken From Anomal Area :

Heavy Mineral	A2-138-H	A2-139-H						
ALT.SIL.	36	129.6						
AMPHIBOL	0	0						
AMETYSTE	0	0						
ANATASE	0	0						
ANDALUSITE	0	0						
AZORITE	0	0						
APATITE	0	0						
BARITE	0	0						
CALCITE	0.001	0.001						
CHALCOPYRITE	0	0						
CHLORITE	0	0						
CINNABAR	0	0						
CERUSSITE	0	0						
ELECTROM	0	0						
EPIDOTS	0	0						
FELDSPAR	0.001	0.001						
FLOURITE	0	0						
GALENA	0	0						
GARNET	0	0						
GOLD	0	0						
GOETHITE	205.33	246.4						
HEMATITE	70.67	84.8						
ILMENITE	0	0						
KIANITE	0	0						
LEUCOXENE	0	0						
LIMONITE	0	0						
MAGNETITE	0.001	0.001						
MALACHITE	0	0						
MARTITE	0	0						
MASSICOT	0	0						
MONAZITE	3.33	0						
NATIVE COPPER	0	0						
NATIVE LEAD	0	0						
PYRITE	0.001	0						
PYRITE LIMONITE	55.31	0.001						
PYRITE(OXIDE)	4714.29	5600						
PYROLUSITE	0	0						
PYROXENES	0	0						
RUTILE	0	0						
SAPHIRE	0	0						
SERICITE	56	2.24						
SMITHSONITE	0	0						
SPHENE	0	0						
ZIRCON	0	0						
Fe_Minerals	276.001	331.201						
Sum_Pyrite	4769.601	5600.001						
Sum_Ore_M	0	0						
Sum_Ore_NM	0	0						

Mineralized Samples Taken form Anomal Arera :

Variables						
Au						
Ag						
As						
Ba						
Bi						
Ca						
Cd						
Ce						
Co						
Cr						
Cu						
Fe						
Hg						
K						
Mg						
Mn						
Mo						
Na						
Nb						
Ni						
P						
Pb						
Re						
S						
Sb						
Sn						
Sr						
Te						
Th						
Ti						
Tl						
U						
V						
W						
Zn						
Zr						

Observed Lithology

Rock Type

Felsic -Intermediate Volcanic | Mafic Volcanic | Berrecia with Mn(Oxid)

Andesite | Monzo-Diorite | Granite | Basalt | Olivin Basalt

Rhyolite | Monzo-Gabro | Dacite | Slate | Clay

Argilit Slate | Tuff | Shale | Silt | Dolomite

Sandstone | Limestone | Obcidian | Marl | Gypsum

Observed Minerals And Fillings In Anomaly Checking :

Minerals

Malachite | Chalcopyrite | Galena | Pyrolusite | Biotite

Bornite | Limonite | Goethite | Hematit | Barite | Silica | Quartz

Quartz Granit | Feldspar | Q-Kianit | Q-topaz

Fillings

Quartz Carbonate | Carbonate | vein | Eye Quartz

Sheet 1:25,000 **Arak II** Anomaly NO : **A3**

Geochemical Anomal Samples:

Sample No.	Anomaly	Raw Data	USRT	Ei
24	Sb	7.4	Ksl1	10.75

Airborne Geoph. : Shallow Magnetic Bodies: Geoph. Faults:

Altration: Serpentine Sillicification Propilitic Argilic Qz.Carbonate Listv. Chloritization Potasic

Fault: Fracture: Limonite Hematite Goetite Siderite Graizen Sericitization Philic

Weathering : Gossan : Other :

Heavy Mineral Samples Taken From Anomal Area :

Heavy Mineral	A2-20-H	A2-23-H	A2-24-H	A2-25-H				
ALT.SIL.	629.64	108	432	36				
AMPHIBOL	0	0	0	0				
ANATASE	0	0	0.001	0				
APATITE	0	0.001	0	0				
BARITE	0.001	0.001	0.5	0				
BROCHANTITE			0.001					
CALCITE	1.0494	0.108	0.3	0.001				
CHLORITE	0.001	0	0.001	0				
CINNABAR	0	0	0	0				
CERUSSITE	0	0	0.001	0				
ELECTROM	0	0	0	0				
EPIDOTS	0.001	0	0.001	0				
FELDSPAR	1.0494	0.108	0.001	0				
FLOURITE	0	0	0.001	0				
GALENA	0	0	0.001	0				
GARNET	0	0	0	0				
GOLD	0	0.001	0	0				
GOETHITE	2052.16	0.001	215.11	0.001				
HEMATITE	2471.92	254.4	259.11	106				
ILMENITE	0	0	0.001	0				
KIANITE	0	0.001	7.2	0				
LEUCOXENE	1.36	0.001	0.001	0				
LIMONITE	0	0	0.001	0				
MAGNETITE	282.95	0.208	138.67	0.001				
MALACHITE	0	0	0.001	0				
MASSICOT	0	0	0	0				
MONAZITE	38.87	40	0.001	0.001				
NATIVE COPPER	0	0.001	0.001	0				
NATIVE LEAD	0	0	0	0				
PYRITE	0	0	0.001	0				
PYRITE LIMONITE	0.001	0.001	0.001	0.001				
PYRITE(OXIDE)	628.57	320	600	285.7143				
PYROLUSITE	1119.36	7.68	9.6	0.001				
PYROXENES	0.001	0	0.001	0				
RUTILE	0.001	0.001	0.001	0				
SAPHIRE	1.55	0.001	0	0				
SERICITE	0	0	112	18.67				
SMITHSONITE	0	0	0	0				
ZIRCON	0.001	0.001	0.001	0				
Fe_Minerals	4808.39	254.61	612.89	106.002				
Sum_Pyrite	628.57	320.001	600.002	285.72				
Sum_Ore_M	1119.36	7.682	9.605	0.001				
Sum_Ore_NM	0.001	0.001	0.501	0				

Mineralized Samples Taken form Anomal Arera :

Variables	A2-23-M						
Au	1.3						
Ag	<0.01						
As	0.8						
Ba	184						
Bi	0.2						
Ca	215000						
Cd	<0.1						
Ce	32.4						
Co	7.8						
Cr	30						
Cu	14.5						
Fe	23600						
Hg	<0.05						
K	10600						
Mg	5690						
Mn	1320						
Mo	0.6						
Na	4850						
Nb	6.2						
Ni	21.3						
P	359						
Pb	5.4						
Re	0.007						
S	2640						
Sb	0.6						
Sn	2.6						
Sr	578						
Te	<0.2						
Th	3.61						
Ti	1960						
Tl	0.2						
U	1.02						
V	55						
W	0.8						
Zn	63.1						
Zr	34						

Observed Lithology

Rock Type

Felsic -Intermediate Volcanic Mafic Volcanic Berrecia with Mn(Oxid)

Andesite Monzo-Diorite Granite Slate Olivin Basalt

Rhyolite Monzo-Gabro Diorit Phylite Clay

Calsite Tuff Shale Silt Dolomite

Sandstone Limestone Obcidian Marl Gypsum

Observed Minerals And Fillings In Anomaly Checking :

Minerals

Malachite Chalcopyrite Pyrite Pyrite Oxid Pyrolusite Biotite

Ankrite Limonite Goethite Hematit Barite Silica Quartz

Quartz Granit Feldspar Iron Oxide Q-topaz

Fillings

Quartz Carbonate Carbonate vein Eye Quartz

Sheet 1:25,000 **Arak II** Anomaly NO : **A4**

Geochemical Anomal Samples:

Sample No.	Anomaly	Raw Data	USRT	Ei
397	Au	37	Ksl1	15.22
348	Au	24	Ksl1+mo	9.6

Airborne Geoph. : Shallow Magnetic Bodies: Geoph. Faults:

Altration: Serpentine Silicification Propilitic Argilic Qz.Carbonate Listv. Chloritization Potasic

Fault: Fracture: Limonite Hematite Goetite Siderite Graizen Sericitization Philic

Weathering : Gossan : Other :

Heavy Mineral Samples Taken From Anomal Area :

Heavy Mineral	A2-332-H	A2-346-H	A2-347-H	A2-348-H	A2-393-H	A2-394-H	A2-397-H	A2-399-H
ALT.SIL.	748.8	172.8	907.2	36	108	37.03	21.6	207.36
AMPHIBOL	0	0	0.001	0	0	0	0	0
ANATASE	0	0.001	0.001	0	0	0	0	0
ANDALUSITE	0	0	0		0	0.001		0
APATITE	0	0	0	0	0	0.001	0	0
BARITE	0	0.001	0.001	0	0	0.001	0.001	0
CALCITE	0.001	0.001	0.4536	0.001	0.18	0.46	0.001	0.001
CHLORITE	0	0.001	10.08	0	0	0	0	0
CINNABAR	0	0	0	0	0	0	0	0
CERUSSITE	0.001	0.001	0.001	0	0	1.11	0	0.001
ELECTROM	0	0	0	0	0	0.001	0	0
EPIDOTS	0	0	0.001	0	0	0	0	0
FELDSPAR	0.001	0.001	0.001	0.001	0.18	0.001	0.001	0.001
FLOURITE	0	0	0	0	0	0	0	0
GALENA	0.001	0.001	0.001	0	0	1.29	0	0.001
GARNET	0	0	0	0	0	0	0.001	0
GOLD	0	0	0	0	0	0	0	0
GOETHITE	0.001	3.52	0.001	0.001	352	0.001	0.001	84.48
HEMATITE	339.2	169.6	0.001	117.78	494.67	1817.14	424	508.8
ILMENITE	0	0	0	0	0	0	0	0
KIANITE	0	0	0.001	0	0	0.001	0	0
LEUCOXENE	0	0.001	0.588	0	0	0.001	0	0
LIMONITE	0	0	0	0	0.001	0.001	0.001	0.001
MAGNETITE	0.001	0.208	0.8736	0.001	0.001	115.89	0.208	0.4992
MALACHITE	0	0	0	0	0	0	0	0
MASSICOT	0	0	0	0	0	0	0	0
MONAZITE	10.67	0	0	0	133.33	514.29	40	192
NATIVE COPPER	0	0	0	0	0	0.001	0.001	0
NATIVE LEAD	0	0	0	0	0	0	0	0
PYRITE	0.001	0.001	0	0	0.001	0.001	0.001	0
PYRITE LIMONITE	0.001	0.001	0	0	0.001	0.001	0.001	0.001
PYRITE(OXIDE)	1600	766.67	400	22.22	102.86	100	240	80
PYROLUSITE	10.24	0	0	0	0	0	0	0
PYROXENES	136.53	76.8	1075.2	0.71	0	0.001	0.001	0
RUTILE	0	0.001	0	0	0	0	0	0
SAPHIRE	0	0.001	0	0	0	0	0	0
SERICITE	119.47	67.2	0	12.44	3.73	96	44.8	107.52
SMITHSONITE	0	0	0	0	0	0.001	0	0
ZIRCON	0	0	0.001	0	0	0	0.001	0.001
Fe_Minerals	339.202	173.33	1.46	117.78	846.67	1933.03	424.21	593.78
Sum_Pyrite	1600.00	766.67	400	22.22	102.86	100.002	240.002	80.001
Sum_Ore_M	10.242	0.002	0.002	0	0	2.403	0.001	0.002
Sum_Ore_NM	0	0.001	0.001	0	0	0.001	0.001	0

Mineralized Samples Taken form Anomal Arera :

Variables	A2-348-M1	A2-348-M2	A2-348-M3	A2-348-M4	A2-397-M	A2-398-M
Au	1.77	1.73	<1	3.47	1.62	1.91
Ag	<0.01	<0.01	0.5	0.1	0.06	<0.01
As	5.5	6.7	1.4	0.9	8.3	7
Ba	242	296	299	405	83.5	334
Bi	<0.1	0.3	<0.1	<0.1	0.5	0.3
Ca	308000	65500	70300	45500	239000	62800
Cd	<0.1	<0.1	<0.1	<0.1	0.1	<0.1
Ce	32.9	50.6	24.3	47.6	18.9	38.3
Co	<0.2	12.7	31.8	24.1	6.5	9.3
Cr	<2	68	168	100	8	43
Cu	1.4	30.5	88.7	28.5	24.6	26
Fe	15900	46000	68700	57100	15400	36900
Hg	<0.05	<0.05	<0.05	<0.05	0.16	<0.05
K	134	20100	15300	22600	3880	17800
Mg	3580	13800	35900	24100	3840	13300
Mn	2530	807	964	739	2340	612
Mo	0.2	<0.1	0.4	0.3	0.9	0.4
Na	<10	12100	19500	30400	3290	9890
Nb	<0.5	7.9	11.7	10.5	2.5	9.8
Ni	5.1	34.2	77.7	54.8	13.1	33.3
P	80	703	1050	857	176	367
Pb	13.6	11.2	<0.2	<0.2	27.3	6.4
Re	0.008	0.007	0.007	0.008	0.008	0.008
S	<50	1460	190	210	<50	680
Sb	0.2	0.8	1.2	0.2	1.6	0.6
Sn	<0.2	3	2.3	2.2	1.7	2.5
Sr	1580	279	418	231	862	194
Te	<0.2	<0.2	<0.2	<0.2	0.2	<0.2
Th	0.23	7.86	1.21	7.09	2.02	7.34
Ti	44	4360	7770	5440	816	3510
Tl	<0.1	0.4	<0.1	0.2	<0.1	0.3
U	0.22	1.64	0.33	1.69	1.13	1.55
V	11	90	108	117	30	134
W	<0.1	0.5	<0.1	<0.1	0.5	1.4
Zn	18.3	100	92.3	93.6	37.9	93.7
Zr	<5	87	58	68	16	74

Observed Lithology

Rock Type

Felsic -Intermediate Volcanic Mafic Volcanic Berrecia with Mn(Oxid)

Andesite Monzo-Diorite Granite Slate Olivin Basalt

Rhyolite Monzo-Gabro Diorit Phylite Clay

Calsite Tuff Shale Silt Dolomite

Sandstone Limestone Obcidian Marl Gypsum

Observed Minerals And Fillings In Anomaly Checking :

Minerals

Malachite Chalcopyrite Pyrite Pyrite Oxid Pyrolusite Biotite

Ankrite Limonite Goethite Hematit Barite Silica Quartz

Quartz Granit Feldspar Iron Oxide Q-topaz

Fillings

Quartz Carbonate Carbonate Vein Eye Quartz

Sheet 1:25,000 **Arak II** Anomaly NO : **A5**

Geochemical Anomal Samples:

Sample No.	Anomaly	Raw Data	USRT	Ei
114	As	26.1	Ksl1	2.44
362	As	28.5	Ksl1	2.66
362	Cu	84.2	Ksl1	3.06

Airborne Geoph. : Shallow Magnetic Bodies: Geoph. Faults:

Altration:	Serpentine	Sillicification	Propilitic	Argilic	Qz.Carbonate	Listv.	Chloritization	Potasic
Fault:	Fracture:	Limonite	Hematite	Goetite	Siderite	Graizen	Sericitization	Philic

Weathering : Gossan : Other :

Heavy Mineral Samples Taken From Anomal Area :

Heavy Mineral	A2-110-H	A2-111-H	A2-114-H	A2-116-H	A2-117-H	A2-125-H	A2-126-H	A2-129-H
ALT.SIL.	144	345.6	288	84	81	345.6	230.4	856.8
AMPHIBOL	0	0	0	0	0	0	0	0.001
ANATASE	0	0	0	0	0	0	0	0
APATITE	0	0	0	0	0	0	0	0
BARITE	0	0	0	0.001	0.001	0	0	0
CALCITE	0.18	0.864	0.18	0.06	0.0675	0.432	0.001	0.001
CHALCOPYRITE	0	0	0			0	0	0
CHLORITE	0	0	0	0	0	0	0	0
CINNABAR	0	0	0	0	0	0	0	0
CERUSSITE	0	0	0	0	0	0	0	0
ELECTROM	0	0	0	0	0	0	0	0
EPIDOTS	0	0	0	0	0	0	0	0
FELDSPAR	0.18	0.864	0.18	0.001	0.001	0.432	0.001	0.001
FLOURITE	0	0	0	0	0	0	0	0
GALENA	0.5	0	0	0	0	0	0	0
GARNET	0	0	0	0	0	0	0	0
GOLD	0	0	0	0	0	0	0	0
GOETHITE	6	28.16	6	39	44	14.08	9	10
HEMATITE	141	339.2	7	24	53	0.001	0.001	120
ILMENITE	0	0	0	0	0	0	0	0
KIANITE	0	0	0	0	0	0	0	0
LEUCOXENE	0	0	0	0	0	0	0	0
LIMONITE	0	0	0	0.001	0.001	0	0	0
MAGNETITE	0.001	1.664	0.001	0	0.13	0.832	0.001	0.001
MALACHITE	0	0	0	0	0	0	0	0
MASSICOT	0	0	0	0	0	0	0	0
MONAZITE	0	1280	0.001	0	0	320	320	0
NATIVE COPPER	0	0	0	0	0	0	0	0
NATIVE LEAD	0	0	0	0	0	0	0	0
PYRITE	0.001	0	0.001	0	0.001	0	0.001	0
PYRITE LIMONITE	0	0	0	0.001	0.001	0	0	0
PYRITE(OXIDE)	360	240	133	222	250	1200	1447	2280
PYROLUSITE	0	0	0	0	0	0	0	326.4
PYROXENES	0	0	0	0	0	0.001	0	0.001
RUTILE	0	0	0	0	0	0	0	0
SAPHIRE	0	0	0	0	0	0	0	0
SERICITE	75	537.6	4	1	1.4	179.2	119	0.001
SMITHSONITE	0	0	0	0	0	0	0	0
ZIRCON	0	0.001	0	0.001	0.001	0.001	0.001	0
Fe_Minerals	147	369	13	63	97.131	14.913	9	130
Sum_Pyrite	360	240	133	222	250	1200	1447	2280
Sum_Ore_M	0.5	0	0	0	0	0	0	326.4
Sum_Ore_NM	0	0	0	0.001	0.001	0	0	0

Mineralized Samples Taken form Anomal Arera :

Variables	A2-113-M	A2-116-M	A2-117-M	A2-127-M1	A2-127-M2	A2-127-M3
Au	3.52	7.43	2.41	107	7.99	15.7
Ag	0.07	<0.01	<0.01	0.42	0.72	<0.01
As	25.5	2.3	5.7	59.9	11.6	206
Ba	125	172	436	76.6	59.9	64.5
Bi	0.8	0.2	<0.1	0.3	<0.1	<0.1
Ca	13100	271000	237000	19400	2510	75700
Cd	<0.1	<0.1	<0.1	<0.1	0.3	<0.1
Ce	9.4	8.8	5.5	7.4	18	7.1
Co	61	11.4	<0.2	62.3	92.7	145
Cr	<2	<2	<2	<2	34	<2
Cu	992	26.3	10.7	636	205	135
Fe	455000	102000	102000	450000	556000	433000
Hg	0.2	<0.05	<0.05	<0.05	<0.05	<0.05
K	505	1870	790	2320	102	484
Mg	1390	1970	8980	2140	1180	2130
Mn	187	8570	10600	55	230	1700
Mo	5.2	5.4	2.8	3.4	15.1	3.7
Na	23	<10	<10	25	53	<10
Nb	1	1.2	0.6	1.6	0.6	0.8
Ni	633	17.6	13.6	299	154	150
P	65	166	126	227	422	313
Pb	481	25.3	7.9	68.3	32.7	51.3
Re	0.008	0.008	0.009	0.008	0.008	0.007
S	300	<50	120	11000	870	3140
Sb	6	1	0.6	5	1.6	3.2
Sn	0.8	0.6	0.2	3	<0.2	1.8
Sr	29.8	84.9	159	28.9	18.7	55.5
Te	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Th	0.39	0.7	0.38	1.7	0.36	0.41
Ti	15	275	103	424	<10	59
Tl	<0.1	0.2	<0.1	0.5	0.2	<0.1
U	5.81	3.31	2.32	1.96	6.52	1.71
V	48	17	33	54	73	46
W	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Zn	75	49.3	56.9	62.6	68.1	48.7
Zr	7	9	6	21	<5	6

Observed lithology:

Rock Type

Felsic -Intermediate Volcanic, Mafic Volcanic, Berrecia with Mn(Oxid), Andesite, Monzo-Diorite, Granite, Basalt, Calcite, Carbonate, Monzo-Gabro, Diorite, Phylite, Silice, Quartz, Tuff, Shale, Silt, Dolomite, Sandstone, Limestone, Obcidian, Marl, Gypsum

Observed Minerals And Fillings In Anomaly Checking :

Minerals

Malachite, Chalcopyrite, Pyrite, Calsite, Pyrolusite, Biotite, Bornite, Limonite, Goethite, Hematit, Barite, Silica, Ankrite, Cuprite, Feldspar, Iron Oxide, Iron Carbonate

Fillings

Quartz Carbonate, Carbonate, vein, Calcite, Silice

Sheet 1:25,000 **Arak II** Anomaly NO : **A5**

Geochemical Anomal Samples:

Sample No.	Anomaly	Raw Data	USRT	Ei

Airborne Geoph. : Shallow Magnetic Bodies: Geoph. Faults:

Altration:	Serpentine	Sillicification	Propilitic	Argilic	Qz.Carbonate	Listv.	Chloritization	Potasic
Fault:	Fracture:	Limonite	Hematite	Goetite	Siderite	Graizen	Sericitization	Philic

Weathering : Gossan : Other :

Heavy Mineral Samples Taken From Anomal Area :

Heavy Mineral	A2-362-H
ALT.SIL.	188.51
AMPHIBOL	0
ANATASE	0
APATITE	0
BARITE	0.001
CALCITE	0.16
CHLORITE	0
CINNABAR	0
CERUSSITE	0
ELECTROM	0
EPIDOTS	0
FELDSPAR	0.16
FLOURITE	0
GALENA	0
GARNET	0
GOLD	0
GOETHITE	0.001
HEMATITE	431.71
ILMENITE	0
KIANITE	0
LEUCOXENE	0
LIMONITE	0
MAGNETITE	0.001
MALACHITE	0
MASSICOT	0
MONAZITE	5.82
NATIVE COPPER	0
NATIVE LEAD	0
PYRITE	0
PYRITE LIMONITE	0.001
PYRITE(OXIDE)	349.09
PYROLUSITE	0
PYROXENES	0.001
RUTILE	0
SAPHIRE	0
SERICITE	32.58
SMITHSONITE	0
ZIRCON	0
Fe_Minerals	431.7
Sum_Pyrite	349.1
Sum_Ore_M	0
Sum_Ore_NM	0.001

Mineralized Samples Taken form Anomal Arera :

Variables	A2-356-M	A2-362-M1	A2-362-M2	A2-362-M3	A2-362-M4
Au	13.4	18.6	17.7	10.5	8.57
Ag	8.94	0.57	1.66	13.3	4.61
As	35.5	4.1	194	4.2	3
Ba	45.7	47.3	58.6	75.4	336
Bi	9.6	5.6	5.4	2.8	0.4
Ca	53300	27500	48500	2530	5170
Cd	12.3	3	1.3	0.2	0.7
Ce	8.5	10.2	7.4	1	9.8
Co	113	154	58.5	41	137
Cr	<2	<2	8	<2	<2
Cu	3440	1720	5300	462	1300
Fe	399000	483000	85200	210000	359000
Hg	<0.05	<0.05	<0.05	0.07	0.06
K	333	2810	441	126	138
Mg	2190	1800	707	970	1550
Mn	1280	90	1730	182	501
Mo	1	3.7	1.4	1.9	1.7
Na	<10	<10	<10	49	50
Nb	<0.5	1	<0.5	<0.5	<0.5
Ni	224	220	65.4	45.4	196
P	<5	<5	<5	<5	<5
Pb	3980	2210	212	591	144
Re	0.007	0.008	0.007	0.012	0.011
S	1430	580	140	430	870
Sb	6	3.6	2.4	3.8	6
Sn	7.5	5.2	7.5	1.6	1.9
Sr	64.4	34.3	37.4	18.3	26.4
Te	<0.2	<0.2	<0.2	<0.2	<0.2
Th	0.31	1.2	0.33	0.08	0.22
Ti	<10	277	94	<10	<10
Tl	0.2	<0.1	0.8	<0.1	<0.1
U	1.3	2.5	0.85	0.84	2.05
V	34	54	9	30	52
W	<0.1	<0.1	<0.1	0.2	0.3
Zn	3010	461	564	32.6	104
Zr	<5	12	<5	<5	<5

Observed Lithology:

Rock Type

Felsic -Intermediate Volcanic | Mafic Volcanic | Berrecia with Mn(Oxid)
Andesite | Monzo-Diorite | Granite | Basalt | Olivin Basalt
Rhyolite | Monzo-Gabro | Slate | Phylite | Clay
Ignembrite | Tuff | Shale | Siltstone | Dolomite
Sandstone | Limestone | Obcidian | Marl | Gypsum

Observed Minerals And Fillings In Anomaly Checking :

Minerals

Malachite | Chalcopyrite | Pyrite | Galena | Pyrolusite | Biotite
Bornite | Limonite | Goethite | Hematit | Silica | Quartz
Fe-Oxid | Feldspar | Barite | Q-topaz

Fillings

Silice | Carbonate | vein | Eye Quartz

Sheet 1:25,000 **Arak II** Anomaly NO : **A6**

Geochemical Anomal Samples:

Sample No.	Anomaly	Raw Data	USRT	Ei
351	Au	11	Ksl1	4.51

Airborne Geoph. : Shallow Magnetic Bodies: Geoph. Faults:

Altrati	Serpentine	Sillicification	Propilitic	Argilic	QzCarbonate	Listv.	Chloritization	Potasic
Fault:	Fracture:	Limonite	Hematite	Goetite	Siderite	Graizen	Sericitization	Philic

Weathering : Gossan : Other :

Heavy Mineral Samples Taken From Anomal Area :

Heavy Mineral	A2-281-H	A2-286-H	A2-351-H	A2-357-H	A2-364-H			
ALT.SIL.	188.8	155.52	181.44	201.6	691.2			
AMPHIBOL	0	0	0	0	0			
ANATASE	0.001	0	0	0	0			
ANDALUSITE	0.001	0	0		0.001			
APATITE	0	0	0	0	0			
BARITE	0.001	0	0	0.001	78			
CALCITE	0.001	0.001	0.001	0.252	0.001			
CHLORITE	0	0	0	0	0			
CINNABAR	0	0	0	0	0			
CERUSSITE	0.001	0	0	0	0.9			
ELECTROM	0	0	0	0	0			
EPIDOTS	0	0	0	0	0			
FELDSPAR	0.001	0.001	0.001	0.252	0.36			
FLOURITE	0	0	0	0	21.3			
GALENA	0.5	0	0	0	1			
GARNET	0.001	0	0	0	0			
GOLD	0	0	0	0	0.001			
GOETHITE	0.001	0.001	4.928	0.001	117.3			
HEMATITE	130.8	5.088	237.44	197.9	706.7			
ILMENITE	0	0	0	0	250.7			
KIANITE	0.001	0	0	0	0.001			
LEUCOXENE	0.001	0	0	0	0			
LIMONITE	0.001	0	0	0.001	0			
MAGNETITE	99.84	0.001	0.001	0.5	69.3			
MALACHITE	0	0	0	0	0			
MASSICOT	0	0	0	0	0			
MONAZITE	0	0	5.6	186.7	0			
NATIVE COPPER	0.6	0	0	0	0			
NATIVE LEAD	0	0	0	0	0			
PYRITE	0.001	0.4	0	0	0.001			
PYRITE LIMONITE	5.5	7.04	0	0	739.2			
PYRITE(OXIDE)	628.6	800	1300	1026.7	960			
PYROLUSITE	0.001	0	0	0	12.8			
PYROXENES	0	0	0.001	0.001	8.5			
RUTILE	0.001	0	0	0	0.001			
SAPHIRE	0	0	0	0	0			
SERICITE	0	0.001	94.08	52.3	0			
SMITHSONITE	0	0	0	0	0.001			
SPHENE	0	0	0		0			
ZIRCON	0.001	0	0	0	0.001			
Fe_Minerals	230.7	5.09	242.4	198.4	893.3			
Sum_Pyrite	634.1	807.44	1300	1026.7	1699.2			
Sum_Ore_M	1.1	0	0	0	14.7			
Sum_Ore_NM	0.001	0	0	0.001	99.3			

Mineralized Samples Taken form Anomal Arera :

Variables	A2-357-M1	A2-357-M2				
Au	<1	2.12				
Ag	0.02	<0.01				
As	2.5	7.1				
Ba	43.9	330				
Bi	<0.1	<0.1				
Ca	109000	355000				
Cd	<0.1	<0.1				
Ce	11.2	28.9				
Co	6.4	3.8				
Cr	14	<2				
Cu	34	3.6				
Fe	24300	16400				
Hg	<0.05	<0.05				
K	2600	1670				
Mg	5850	2910				
Mn	642	2170				
Mo	0.8	0.6				
Na	637	<10				
Nb	1	1				
Ni	15.7	8.1				
P	482	338				
Pb	11.1	12.4				
Re	0.007	0.008				
S	80	50				
Sb	0.4	0.2				
Sn	1.5	0.4				
Sr	557	357				
Te	<0.2	<0.2				
Th	0.82	1.3				
Ti	471	356				
Tl	<0.1	<0.1				
U	0.21	0.57				
V	19	18				
W	<0.1	<0.1				
Zn	58.5	20.1				
Zr	8	11				

Observed Lithology:

Rock Type

Felsic -Intermediate Volcanic; Mafic Volcanic; Berrecia with Mn(Oxid); Andesite; Monzo-Diorite; Granite; Slate; Olivin Basalt; Rhyolite; Monzo-Gabro; Diorite; Phylite; Clay; Ignembrite; Tuff; Shale; Silt; Dolomite; Sandstone; Limestone; Obcidian; Marl; Gypsum

Observed Minerals And Fillings In Anomaly Checking :

Minerals

Malachite; Chalcopyrite; Pyrite; Galena; Pyrolusite; Biotite; Bornite; Limonite; Goethite; Hematit; Barite; Silica; Quartz; Quartz Granit; Feldspar; Iron Oxide; Ankrite

Fillings

Quartz Carbonate; Carbonate; vein; Calcite

Sheet 1:25,000 **Arak II** Anomaly NO : **A7**

Geochemical Anomal Samples:

Sample No.	Anomaly	Raw Data	USRT	Ei
174	Zn	295	mo	2.46

Airborne Geoph. : Shallow Magnetic Bodies: Geoph. Faults:

Altration: Serpentine Sillicification Propilitic Argilic Qz.Carbonate Listv. Chloritization Potasic

Fault: Fracture: Limonite Hematite Goetite Siderite Graizen Sericitization Philic

Weathering : Gossan : Other :

Heavy Mineral Samples Taken From Anomal Area :

Heavy Mineral	A2-174-H	A2-264-H	A2-268-H	A2-269-H				
ALT.SIL.	96	813.6	230.4	462.9				
AMPHIBOL	0	0.001	0	0				
AMETYSTE		0	0.001	0				
ANATASE	0	0.001	0.001	0.001				
ANDALUSITE		0	0.001	0				
APATITE	0	0.001	0	0				
BARITE	0.001	0.001	0.001	0.001				
CALCITE	0.001	36	0.001	0.001				
CHLORITE	0.001	0	0	0				
CINNABAR	0.001	0	0	0				
CERUSSITE	0.001	0.001	0.001	0.001				
ELECTROM	0	0	0	0				
EPIDOTS	0.001	0	0	0				
FELDSPAR	0.001	0.001	0.001	0.001				
FLOURITE	0	0	0	0				
GALENA	0.001	0	0.001	0.001				
GARNET	0	0	0	0.001				
GOLD	0	0	0	0				
GOETHITE	78.2	234.7	8.8	125.7				
HEMATITE	47.1	282.7	644.5	605.7				
ILMENITE	0	0	0	0.001				
KIANITE	0.001	0	0	0				
LEUCOXENE	0.001	18.667	0.373	0.5				
LIMONITE	0.001	0	0	0.001				
MAGNETITE	0.116	0.693	83.2	0.7				
MALACHITE	0	0	0	0				
MASSICOT	0	0	0	0				
MONAZITE	0	0	0	0				
NATIVE COPPER	0.193	0	0	0				
NATIVE LEAD	0	0.001	0	0				
PYRITE	0.001	93.3	0.001	0.001				
PYRITE LIMONITE	0.001	1027	0	0.001				
PYRITE(OXIDE)	88.9	2800	206	373				
PYROLUSITE	0	640	389	274				
PYROXENES	0.001	0.001	0.001	0.001				
RUTILE	0	0	0.001	0.001				
SAPHIRE	0	0	0.427	0				
SERICITE	24.889	0	0	0				
SMITHSONITE	0	0	0.001	0.001				
SPHENE		0	0	0				
ZIRCON	0.001	0.001	0.001	0.001				
Fe_Minerals	125.451	537	737	733				
Sum_Pyrite	89	3920	206	373				
Sum_Ore_M	0.196	640	389	274				
Sum_Ore_NM	0.001	0.001	0.001	0.001				

Mineralized Samples Taken form Anomal Arera :

Variables	A2-174-M	A2-264-M				
Au	1.8	<1				
Ag	0.02	0.02				
As	7.5	2.4				
Ba	343	321				
Bi	<0.1	<0.1				
Ca	16000	74200				
Cd	<0.1	<0.1				
Ce	53.2	47.8				
Co	15.2	16.5				
Cr	84	60				
Cu	14.4	48.5				
Fe	49500	40300				
Hg	<0.05	<0.05				
K	24400	17600				
Mg	12400	6600				
Mn	548	778				
Mo	<0.1	0.5				
Na	27800	287				
Nb	7.6	7.7				
Ni	43.2	36				
P	577	493				
Pb	8.8	8.4				
Re	0.009	0.009				
S	220	3780				
Sb	0.2	0.6				
Sn	3.4	3.7				
Sr	107	155				
Te	<0.2	<0.2				
Th	8.72	7.44				
Ti	5640	3890				
Tl	0.3	0.3				
U	1.86	1.69				
V	105	118				
W	0.4	0.7				
Zn	61.9	93.1				
Zr	96	67				

Observed Lithology:

Rock Type

Felsic -Intermediate Volcanic Mafic Volcanic Berrecia with Mn(Oxid)

Andesite Monzo-Diorite Granite Slate Olivin Basalt

Rhyolite Monzo-Gabro Diorite Phylite Silice

Ignembrite Tuff Shale Silt Dolomite

Sandstone Limestone Obcidian Marl Gypsum

Observed Minerals And Fillings In Anomaly Checking :

Minerals

Malachite Chalcopyrite Pyrite Galena Pyrolusite Biotite

Bornite Limonite Goethite Hematit Barite Silica Quartz

Quartz Granit Feldspar Iron Oxide Q-topaz

Fillings

Quartz Carbonate Carbonate vein Calcite Silice

Sheet 1:25,000 | **Arak II** | Anomaly NO : **A8**

Geochemical Anomal Samples:

Sample No.	Anomaly	Raw Data	USRT	Ei
107	As	27.4	Ksl1	2.56
107	La	316	Ksl1	6.72

Airborne Geoph. : | Shallow Magnetic Bodies: | Geoph. Faults:

Altration:	Serpentine	Sillicification	Propilitic	Argilic	Qz.Carbonate	Listv.	Chloritization	Potasic
Fault:	Fracture:	Limonite	Hematite	Goetite	Siderite	Graizen	Sericitization	Philic

Weathering : | Gossan : | Other :

Heavy Mineral Samples Taken From Anomal Area :

Heavy Mineral	A2-45-H	A2-107-H					
ALT.SIL.	186.69	655.2					
AMPHIBOL	0	0					
AMETYSTE	0	0					
ANATASE	0	0					
ANDALUSITE	0	0					
AZORITE	0	0					
APATITE	0	0					
BARITE	1.41	0.001					
CALCITE	8.49	0.63					
CHALCOPYRITE	0	0					
CHLORITE	0	0					
CINNABAR	0	0					
CERUSSITE	81.71	0					
ELECTROM	0	0					
EPIDOTS	0	0					
FELDSPAR	0.001	0.63					
FLOURITE	0	0					
GALENA	70.71	0					
GARNET	0	0					
GOLD	0	0					
GOETHITE	0.001	20.53					
HEMATITE	666.29	24.73					
ILMENITE	0	0					
KIANITE	0.001	0					
LEUCOXENE	0.001	0					
LIMONITE	0	0					
MAGNETITE	294.17	194.13					
MALACHITE	0	0					
MARTITE	0	0					
MASSICOT	0.001	0					
MONAZITE	0.001	0					
NATIVE COPPER	328.11	0					
NATIVE LEAD	0	0					
PYRITE	0	0					
PYRITE LIMONITE	0.001	0					
PYRITE(OXIDE)	1360	942.86					
PYROLUSITE	0.001	0					
PYROXENES	0	0					
RUTILE	0	0					
SAPHIRE	0	0					
SERICITE	352	261.33					
SMITHSONITE	1.38	0					
SPHENE	0	0					
ZIRCON	0.001	0.001					
Fe_Minerals	960.46	239.4					
Sum_Pyrite	1360.001	942.86					
Sum_Ore_M	481.93	0					
Sum_Ore_NM	1.41	0.001					

Mineralized Samples Taken form Anomal Arera :

Variables						
Au						
Ag						
As						
Ba						
Bi						
Ca						
Cd						
Ce						
Co						
Cr						
Cu						
Fe						
Hg						
K						
Mg						
Mn						
Mo						
Na						
Nb						
Ni						
P						
Pb						
Re						
S						
Sb						
Sn						
Sr						
Te						
Th						
Ti						
Tl						
U						
V						
W						
Zn						
Zr						

Observed Lithology

Rock Type

Felsic -Intermediate Volcanic | Mafic Volcanic | Berrecia with Mn(Oxid)

Andesite | Monzo-Diorite | Granite | Slate | Travertine

Rhyolite | Monzo-Gabro | Diorite | Phylite | Clay

Ignembrite | Tuff | Shale | Silt | Dolomite

Sandstone | Limestone | Obcidian | Marl | Gypsum

Observed Minerals And Fillings In Anomaly Checking :

Minerals

Malachite | Chalcopyrite | Pyrite | Galena | Pyrolusite | Biotite

Bornite | Limonite | Goethite | Hematit | Barite | Silica | Quartz

Quartz Granit | Feldspar | Iron Oxide | Q-topaz

Fillings

Quartz Carbonate | Carbonate | vein | Calcite | Silice

Sheet 1:25,000 **Arak II** Anomaly NO : **A9**

Geochemical Anomal Samples:

Sample No.	Anomaly	Raw Data	USRT	Ei
179	Pb	42.9		1.7

Airborne Geoph. : Shallow Magnetic Bodies: Geoph. Faults:

Altration: Serpentine Sillicification Propilitic Argilic Qz.Carbonate Listv. Chloritization Potasic

Fault: Fracture: Limonite Hematite Goetite Siderite Graizen Sericitization Philic

Weathering : Gossan : Other :

Heavy Mineral Samples Taken From Anomal Area :

Heavy Mineral	A2-179-H
ALT.SIL.	100.8
AMPHIBOL	0
ANATASE	0
APATITE	0
BARITE	1.05
BROCHANTITE	
CALCITE	0.63
CHLORITE	0
CINNABAR	0
CERUSSITE	91
ELECTROM	0
EPIDOTS	0
FELDSPAR	0.001
FLOURITE	0
GALENA	105
GARNET	0
GOLD	0
GOETHITE	20.53
HEMATITE	24.73
ILMENITE	0
KIANITE	0
LEUCOXENE	0.001
LIMONITE	0.001
MAGNETITE	60.67
MALACHITE	0
MASSICOT	0
MONAZITE	233.33
NATIVE COPPER	0
NATIVE LEAD	0
PYRITE	0.24
PYRITE LIMONITE	0
PYRITE(OXIDE)	192
PYROLUSITE	0
PYROXENES	0
RUTILE	0.001
SAPHIRE	0
SERICITE	261.33
SMITHSONITE	1.03
ZIRCON	0.001
Fe_Minerals	105.94
Sum_Pyrite	192.24
Sum_Ore_M	197.03
Sum_Ore_NM	1.05

Mineralized Samples Taken form Anomal Arera :

Variables						
Au						
Ag						
As						
Ba						
Bi						
Ca						
Cd						
Ce						
Co						
Cr						
Cu						
Fe						
Hg						
K						
Mg						
Mn						
Mo						
Na						
Nb						
Ni						
P						
Pb						
Re						
S						
Sb						
Sn						
Sr						
Te						
Th						
Ti						
Tl						
U						
V						
W						
Zn						
Zr						

Observed Lithology

Rock Type

Felsic -Intermediate Volcanic, Mafic Volcanic, Berrecia with Mn(Oxid), Andesite, Monzo-Diorite, Granite, Slate, Olivin Basalt, Rhyolite, Monzo-Gabro, Diorit, Phylite, Clay, Calsite, Tuff, Shale, Silt, Dolomite, Sandstone, Limestone, Obcidian, Marl, Gypsum

Observed Minerals And Fillings In Anomaly Checking :

Minerals

Malachite, Chalcopyrite, Pyrite, Pyrite Oxid, Pyrolusite, Biotite, Ankrite, Limonite, Goethite, Hematit, Barite, Silica, Quartz, Quartz Granit, Feldspar, Iron Oxide, Q-topaz

Fillings

Quartz Carbonate, Carbonate, vein, Eye Quartz

Sheet 1:25,000 **Arak II** Anomaly NO : **A10**

Geochemical Anomal Samples:

Sample No.	Anomaly	Raw Data	USRT	Ei
293	Cd	1.9	Ksl1	9.5
293	P	9300	Ksl1	12.9
293	S	840	Ksl1	7
293	Pb	138	Ksl1	5.48

Airborne Geoph. : Shallow Magnetic Bodies: Geoph. Faults:

Altration: Serpentine Sillicification Propilitic Argilic Qz.Carbonate Listv. Chloritization Potasic

Fault: Fracture: Limonite Hematite Goetite Siderite Graizen Sericitization Philic

Weathering : Gossan : Other :

Heavy Mineral Samples Taken From Anomal Area :

Heavy Mineral	A2-293-H	A2-301-H	A2-302-H					
ALT.SIL.	77.76	98.182	180					
AMPHIBOL	0	0	0					
ANATASE	0	0	0					
ANDALUSITE	0							
APATITE	0	0	0					
BARITE	0	0.001	0.001					
CALCITE	0.001	0.123	0.001					
CHLORITE	0	0	0					
CINNABAR	0	0	0					
CERUSSITE	0	0	0					
ELECTROM	0	0	0					
EPIDOTS	0	0	0					
FELDSPAR	0.001	0.001	0.001					
FLOURITE	0	0	0					
GALENA	0	0	0					
GARNET	0	0	0					
GOLD	0	0	0					
GOETHITE	42.24	0.001	0.001					
HEMATITE	254.4	289	70.667					
ILMENITE	0	0	0					
KIANITE	0	0	0					
LEUCOXENE	0	0	0					
LIMONITE	0.001	0.001	0.001					
MAGNETITE	0.001	0.001	0.001					
MALACHITE	0	0	0					
MARTITE	0							
MASSICOT	0	0	0					
MONAZITE	480	272.73	133.33					
NATIVE COPPER	0	0.001	0					
NATIVE LEAD	0	0	0					
NATIVE ZIINC		0	0					
PYRITE	0.001	0.227	0.001					
PYRITE LIMONITE	232.32	0.001	0					
PYRITE(OXIDE)	616	181.82	133.33					
PYROLUSITE	0	0	0					
PYROXENES	0	0	0					
RUTILE	0	0	0					
SAPHIRE	0	0	0					
SERICITE	0	2.55	0.001					
SMITHSONITE	0	0	0					
ZIRCON	0	0	0					
Fe_Minerals	296.6	289.1	70.7					
Sum_Pyrite	848.3	182.0	133.3					
Sum_Ore_M	0	0.001	0					
Sum_Ore_NM	0	0.001	0.001					

Mineralized Samples Taken form Anomal Arera :

Variables	A2-293-M	A2-301-M				
Au	3.05	1.63				
Ag	<0.01	<0.01				
As	5.4	5.5				
Ba	877	200				
Bi	<0.1	<0.1				
Ca	260000	242000				
Cd	4.2	0.2				
Ce	30.1	24.8				
Co	19	7.8				
Cr	<2	20				
Cu	9.2	22.4				
Fe	82900	50900				
Hg	<0.05	<0.05				
K	2230	7570				
Mg	3250	3990				
Mn	6860	2030				
Mo	3.1	1.1				
Na	481	1550				
Nb	1	2.5				
Ni	52.3	19.1				
P	185	278				
Pb	526	14.8				
Re	0.009	0.007				
S	220	190				
Sb	9.6	1				
Sn	0.2	1.8				
Sr	170	356				
Te	<0.2	<0.2				
Th	1.08	2.43				
Ti	412	1150				
Tl	0.3	<0.1				
U	2.87	1.14				
V	13	37				
W	<0.1	<0.1				
Zn	1990	240				
Zr	11	24				

Observed Lithology

Rock Type

Felsic -Intermediate Volcanic, Mafic Volcanic, Berrecia with Mn(Oxid), Andesite, Monzo-Diorite, Granite, Slate, Olivin Basalt, Rhyolite, Monzo-Gabro, Diorit, Phylite, Clay, Calsite, Tuff, Shale, Silt, Dolomite, Sandstone, Limestone, Obcidian, Marl, Gypsum

Observed Minerals And Fillings In Anomaly Checking :

Minerals

Malachite, Chalcopyrite, Pyrite, Pyrite Oxid, Pyrolusite, Biotite, Ankrite, Limonite, Goethite, Hematit, Barite, Silica, Quartz, Quartz Granit, Feldspar, Iron Oxide, Q-topaz

Fillings

Silice, Carbonate, vein, Eye Quartz

Sheet 1:25,000 **Arak II** Anomaly NO : **A11**

Geochemical Anomal Samples:

Sample No.	Anomaly	Raw Data	USRT	Ei
313	Cu	4500	Ksl1	163.63
313	Pb	9.4	Ksl1	36.27

Airborne Geoph. : Shallow Magnetic Bodies: Geoph. Faults:

Altration:	Serpentine	Sillicification	Propilitic	Argilic	Qz.Carbonate	Listv.	Chloritization	Potasic
Fault:	Fracture:	Limonite	Hematite	Goetite	Siderite	Graizen	Sericitization	Philic

Weathering : Gossan : Other :

Heavy Mineral Samples Taken From Anomal Area :

Heavy Mineral	A2-313-H
ALT.SIL.	291.6
AMPHIBOL	0
ANATASE	0
APATITE	0
BARITE	27
CALCITE	8.1
CHLORITE	0
CINNABAR	0
CERUSSITE	0
ELECTROM	0
EPIDOTS	0
FELDSPAR	0
FLOURITE	0
GALENA	0
GARNET	0
GOLD	0
GOETHITE	0.001
HEMATITE	95.4
ILMENITE	0
KIANITE	0
LEUCOXENE	0
LIMONITE	0
MAGNETITE	0.001
MALACHITE	0
MASSICOT	0
MONAZITE	90
NATIVE COPPER	443.7
NATIVE LEAD	0
PYRITE	0.001
PYRITE LIMONITE	0
PYRITE(OXIDE)	8460
PYROLUSITE	0
PYROXENES	0
RUTILE	0
SAPHIRE	0
SERICITE	50.4
SMITHSONITE	0
ZIRCON	0
Fe_Minerals	95.402
Sum_Pyrite	8460
Sum_Ore_M	443.7
Sum_Ore_NM	27

Mineralized Samples Taken form Anomal Arera :

Variables	A2-311-M	A2-313-M
Au	1.3	2.46
Ag	<0.01	<0.01
As	3	11
Ba	216	167
Bi	<0.1	0.2
Ca	265000	277000
Cd	<0.1	<0.1
Ce	13.3	16.6
Co	3.8	5
Cr	8	6
Cu	21.1	66.3
Fe	62600	46700
Hg	<0.05	<0.05
K	3860	4040
Mg	5130	2840
Mn	2320	2810
Mo	0.8	0.4
Na	1690	1020
Nb	1.4	1.4
Ni	15.4	14.5
P	132	157
Pb	8.4	20.2
Re	0.007	0.008
S	280	140
Sb	0.2	0.4
Sn	1.3	1.3
Sr	590	619
Te	<0.2	<0.2
Th	1.34	1.16
Ti	658	585
Tl	<0.1	<0.1
U	1.31	0.99
V	21	20
W	<0.1	<0.1
Zn	41.8	43
Zr	18	14

Observed Lithology:

Rock Type

Felsic -Intermediate Volcanic, Mafic Volcanic, Berrecia with Mn(Oxid), Andesite, Monzo-Diorite, Granite, Basalt, Olivin Basalt, Rhyolite, Monzo-Gabro, Slate, Phylite, Clay, Ignembrite, Tuff, Shale, Siltstone, Dolomite, Sandstone, Limestone, Obcidian, Marl, Gypsum

Observed Minerals And Fillings In Anomaly Checking :

Minerals

Malachite, Chalcopyrite, Pyrite, Galena, Pyrolusite, Biotite, Bornite, Limonite, Goethite, Hematit, Silica, Quartz, Fe-Oxid, Feldspar, Barite, Q-topaz

Fillings

Silice, Carbonate, vein, Eye Quartz

Sheet 1:25,000 **Arak II** Anomaly NO : **A12**

Geochemical Anomal Samples:

Sample No.	Anomaly	Raw Data	USRT	Ei
383	Ag	1.22	Ksl1	8.7

Airborne Geoph. : Shallow Magnetic Bodies: Geoph. Faults:

Altration:	Serpentine	Sillicification	Propilitic	Argilic	Qz.Carbonate	Listv.	Chloritization	Potasic
Fault:	Fracture:	Limonite	Hematite	Goetite	Siderite	Graizen	Sericitization	Philic

Weathering : Gossan : Other :

Heavy Mineral Samples Taken From Anomal Area :

Heavy Mineral	A2-383-H
ALT.SIL.	78.55
AMPHIBOL	0
ANATASE	0
APATITE	0.001
BARITE	0.001
CALCITE	0.001
CHLORITE	0
CINNABAR	0
CERUSSITE	0.001
ELECTROM	0
EPIDOTS	0
FELDSPAR	0.001
FLOURITE	0
GALENA	0
GARNET	0
GOLD	0
GOETHITE	1.6
HEMATITE	192.73
ILMENITE	0
KIANITE	0
LEUCOXENE	0
LIMONITE	0.001
MAGNETITE	0.001
MALACHITE	0
MASSICOT	0
MONAZITE	0.001
NATIVE COPPER	0
NATIVE LEAD	0.001
PYRITE	0.001
PYRITE LIMONITE	0.001
PYRITE(OXIDE)	36.36
PYROLUSITE	0
PYROXENES	0
RUTILE	0
SAPHIRE	0
SERICITE	1.02
SMITHSONITE	0
ZIRCON	0.001
Fe_Minerals	194.33
Sum_Pyrite	36.37
Sum_Ore_M	0.002
Sum_Ore_NM	0.001

Mineralized Samples Taken form Anomal Arera :

Variables	A2-383-M
Au	1.72
Ag	0.04
As	9.8
Ba	42.8
Bi	0.3
Ca	4040
Cd	<0.1
Ce	5.3
Co	17.6
Cr	10
Cu	1370
Fe	317000
Hg	<0.05
K	1510
Mg	1770
Mn	<2
Mo	16.9
Na	53
Nb	1.2
Ni	58.3
P	<5
Pb	12.1
Re	0.006
S	940
Sb	0.8
Sn	1.4
Sr	32.8
Te	0.5
Th	0.94
Ti	261
Tl	<0.1
U	5.17
V	42
W	0.2
Zn	33.7
Zr	6

Observed Lithology:

Rock Type

Felsic -Intermediate Volcanic, Mafic Volcanic, Berrecia with Mn(Oxid), Andesite, Monzo-Diorite, Granite, Basalt, Olivin Basalt, Rhyolite, Monzo-Gabro, Slate, Phylite, Clay, Ignembrite, Tuff, Shale, Siltstone, Dolomite, Sandstone, Limestone, Obcidian, Marl, Gypsum

Observed Minerals And Fillings In Anomaly Checking :

Minerals

Malachite, Chalcopyrite, Pyrite, Galena, Pyrolusite, Biotite, Bornite, Limonite, Goethite, Hematit, Barite, Silica, Quartz, Fe-Oxid, Feldspar, Iron Oxide, Q-topaz

Fillings

Quartz Carbonate, Carbonate, vein, Eye Quartz

Sheet 1:25,000 **Arak II** Anomaly NO : **A13**

Geochemical Anomal Samples:

Sample No.	Anomaly	Raw Data	USRT	Ei
407	Ag	0.99	Ksl1	7

Airbome Geoph. : Shallow Magnetic Bodies: Geoph. Faults:

Altration: Serpentine Sillicification Propilitic Argilic Qz.Carbonate Listv. Chloritization Potasic

Fault: Fracture: Limonite Hematite Goetite Siderite Graizen Sericitization Philic

Weathering : Gossan : Other :

Heavy Mineral Samples Taken From Anomal Area :

Heavy Mineral	A2-404-H	A2-420-H	A2-422-H
ALT.SIL.	135	27	151.2
AMPHIBOL	0	0	0
ANATASE	0	0.001	0.001
APATITE	0.001	0.001	0
BARITE	0.001	0.75	1.26
CALCITE	0.135	0.001	0.001
CHALCOPYRITE		0	0.001
CHLORITE	0	0	0
CINNABAR	0	0	0
CERUSSITE	0	0.001	0.001
ELECTROM	0	0	0
EPIDOTS	0	0	0
FELDSPAR	0.135	0.001	0.001
FLOURITE	0	0	0
GALENA	0	0.001	0.001
GARNET	0	0	0.001
GOLD	0	0	0
GOETHITE	0.001	586.67	24.64
HEMATITE	530	1060	1484
ILMENITE	0	0	0
KIANITE	0	0.6	1.008
LEUCOXENE	0	0.001	0.001
LIMONITE	0	0.001	0.001
MAGNETITE	0.001	138.67	1.456
MALACHITE	0	0	0
MASSICOT	0	0.001	0
MONAZITE	200	1000	1400
NATIVE COPPER	0.435	0.001	0.001
NATIVE LEAD	0	0	0
PYRITE	0.001	0	0.001
PYRITE LIMONITE	0.001	0	0
PYRITE(OXIDE)	50	80	666.67
PYROLUSITE	0	16	26.88
PYROXENES	0	0.001	0.001
RUTILE	0	0.001	0.001
SAPHIRE	0	0.001	0
SERICITE	0.001	9.33	0.001
SMITHSONITE	0	0.001	1.232
ZIRCON	0.001	0.001	0.001
Fe_Minerals	530.002	1785.34	1510.10
Sum_Pyrite	50.002	80	666.67
Sum_Ore_M	0.435	16.005	28.116
Sum_Ore_NM	0.001	0.75	1.26

Mineralized Samples Taken form Anomal Arera :

Variables						
Au						
Ag						
As						
Ba						
Bi						
Ca						
Cd						
Ce						
Co						
Cr						
Cu						
Fe						
Hg						
K						
Mg						
Mn						
Mo						
Na						
Nb						
Ni						
P						
Pb						
Re						
S						
Sb						
Sn						
Sr						
Te						
Th						
Ti						
Tl						
U						
V						
W						
Zn						
Zr						

Observed Lithology:

Rock Type

Felsic -Intermediate Volcanic, Mafic Volcanic, Berrecia with Mn(Oxid), Andesite, Monzo-Diorite, Granite, Basalt, Olivin Basalt, Rhyolite, Monzo-Gabro, Slate, Phylite, Clay, Ignembrite, Tuff, Shale, Siltstone, Dolomite, Sandstone, Limestone, Obcidian, Marl, Gypsum

Observed Minerals And Fillings In Anomaly Checking :

Minerals

Malachite, Chalcopyrite, Pyrite, Galena, Pyrolusite, Biotite, Bornite, Limonite, Goethite, Hematit, Barite, Silica, Quartz, Fe-Oxid, Feldspar, Iron Oxide, Q-topaz

Fillings

Quartz Carbonate, Carbonate, vein, Eye Quartz

Sheet 1:25,000 **Arak II** Anomaly NO : **A14**

Geochemical Anomal Samples:

Sample No.	Anomaly	Raw Data	USRT	Ei
415	Pb	282	Ksl1	11.19
415	Cu	452	Ksl1	16.43
415	Sn	9.2	Ksl1	4.18
415	Cd	1.3	Ksl1	6.5
415	Zn	373	Ksl1	3.45
415	Sb	3.1	Ksl1	4.42

Airborne Geoph. : Shallow Magnetic Bodies: Geoph. Faults:

Altration: Serpentine Sillicification Propilitic Argilic Qz.Carbonate Listv. Chloritization Potasic

Fault: Fracture: Limonite Hematite Goetite Siderite Graizen Sericitization Philic

Weathering : Gossan : Other :

Heavy Mineral Samples Taken From Anomal Area :

Heavy Mineral	A2-414-H	A2-415-H	A2-416-H	A2-419-H					
ALT.SIL.	162	47.52	241.92	8.64					
AMPHIBOL	0	0	0	0					
ANATASE	0	0	0	0					
APATITE	0	0	0	0					
BARITE	0	0.001	37.8	0.001					
CALCITE	0.001	0.001	15.12	0.108					
CHLORITE	0	0	0	0					
CINNABAR	0.001	0	0	0					
CERUSSITE	13	0	0	0					
ELECTROM	0.001	0	0	0.001					
EPIDOTS	0	0	0	0					
FELDSPAR	16.2	0	0.001	0.001					
FLOURITE	0	0	0	0					
GALENA	1.5	0	0	0					
GARNET	0	0	0	0					
GOLD	0.001	0	0	0					
GOETHITE	176	0.001	0.001	70.4					
HEMATITE	1272	93.28	601.02	424					
ILMENITE	0	0	0	0					
KIANITE	0	0	0	0					
LEUCOXENE	0	0	0	0					
LIMONITE	0.001	0.001	0.001	0.001					
MAGNETITE	104	0.25	0.364	0.001					
MALACHITE	0	0	0	0					
MASSICOT	0	0	0	0					
MONAZITE	1200	58.67	252	240					
NATIVE COPPER	0	1293.01	0	0					
NATIVE LEAD	0	0	0	0					
PYRITE	0	0	0	0					
PYRITE LIMONITE	0	0	0	0					
PYRITE(OXIDE)	10.67	0.001	63	0					
PYROLUSITE	0	0	0	0					
PYROXENES	0.001	0	0	0					
RUTILE	0	0	0	0					
SAPHIRE	0	0	0	0					
SERICITE	11.2	0.001	0.001	0.001					
SMITHSONITE	0.001	0	0	0					
ZIRCON	0.001	0	0	0					
Fe_Minerals	1552.001	93.54	601.386	494.402					
Sum_Pyrite	10.67	0.001	63	0					
Sum_Ore_M	14.504	1293.01	0	0.001					
Sum_Ore_NM	0	0.001	37.8	0.001					

Mineralized Samples Taken form Anomal Arera :

Variables						
Au						
Ag						
As						
Ba						
Bi						
Ca						
Cd						
Ce						
Co						
Cr						
Cu						
Fe						
Hg						
K						
Mg						
Mn						
Mo						
Na						
Nb						
Ni						
P						
Pb						
Re						
S						
Sb						
Sn						
Sr						
Te						
Th						
Ti						
Tl						
U						
V						
W						
Zn						
Zr						

Observed Lithology:

Rock Type

Felsic -Intermediate Volcanic | Mafic Volcanic | Berrecia with Mn(Oxid)

Andesite | Monzo-Diorite | Granite | Basalt | Olivin Basalt

Rhyolite | Monzo-Gabro | Slate | Phylite | Clay

Ignembrite | Tuff | Shale | Siltstone | Dolomite

Sandstone | Limestone | Obcidian | Marl | Gypsum

Observed Minerals And Fillings In Anomaly Checking :

Minerals

Malachite | Chalcopyrite | Pyrite | Galena | Pyrolusite | Biotite

Bornite | Limonite | Goethite | Hematit | Barite | Silica | Quartz

Fe-Oxid | Feldspar | Iron Oxide | Q-topaz

Fillings

Quartz Carbonate | Carbonate | vein | Eye Quartz

Sheet 1:25,000 **Arak II** Anomaly NO : **A15**

Geochemical Anomal Samples:

Sample No.	Anomaly	Raw Data	USRT	Ei
190	As	18.9	K1sl	1.7
190	Sb	1.1	K1sl	2.86

Airborne Geoph. : Shallow Magnetic Bodies: Geoph. Faults:

Altration: Serpentine Sillicification Propilitic Argilic Qz.Carbonate Listv. Chloritization Potasic

Fault: Fracture: Limonite Hematite Goetite Siderite Graizen Sericitization Philic

Weathering : Gossan : Other :

Heavy Mineral Samples Taken From Anomal Area :

Heavy Mineral	A2-186-H	A2-190-H							
ALT.SIL.	9	162							
AMPHIBOL	0	0							
ANATASE	0	0							
APATITE	0	0							
BARITE	0.001	0.001							
CALCITE	0.45	0.135							
CHLORITE	0	0							
CINNABAR	0	0							
CERUSSITE	0.001	0							
ELECTROM	0	0							
EPIDOTS	0	0							
FELDSPAR	0.001	0.001							
FLOURITE	0	0							
GALENA	0.001	0							
GARNET	0	0							
GOLD	0	0.001							
GOETHITE	58.67	4.4							
HEMATITE	106	212							
ILMENITE	0	0							
KIANITE	0	0							
LEUCOXENE	0.001	0							
LIMONITE	0.001	0							
MAGNETITE	0.87	0.26							
MALACHITE	0	0							
MASSICOT	0	0							
MONAZITE	500	0							
NATIVE COPPER	0	0							
NATIVE LEAD	0	0							
PYRITE	0	0							
PYRITE LIMONITE	140.8	0.001							
PYRITE(OXIDE)	1760	500							
PYROLUSITE	0	0							
PYROXENES	0	0.001							
RUTILE	0	0							
SAPHIRE	0	0							
SERICITE	93.33	0.001							
SMITHSONITE	0	0							
ZIRCON	0	0.001							
Fe_Minerals	165.54	216.66							
Sum_Pyrite	1900.8	500.001							
Sum_Ore_M	0.002	0.001							
Sum_Ore_NM	0.001	0.001							

Mineralized Samples Taken form Anomal Arera :

Variables	A2-186-M1	A2-186-M2	A2-186-M3	A2-186-M4		
Au	2.64	9.1	2.18	4.59		
Ag	<0.01	<0.01	<0.01	0.43		
As	8.5	1050	13.3	196		
Ba	382	64.5	537	7630		
Bi	<0.1	1.3	<0.1	0.9		
Ca	272000	20200	289000	179000		
Cd	0.3	0.2	<0.1	0.3		
Ce	3.7	2.1	3.9	5.3		
Co	<0.2	62.3	<0.2	17.7		
Cr	<2	<2	<2	<2		
Cu	11.8	472	<0.2	133		
Fe	121000	529000	115000	159000		
Hg	<0.05	<0.05	0.07	<0.05		
K	581	597	1170	842		
Mg	2990	1600	1870	2110		
Mn	13700	2680	11400	47000		
Mo	6	9	6.2	6.5		
Na	<10	12	<10	<10		
Nb	0.6	0.6	0.7	<0.5		
Ni	12.6	276	10.5	38		
P	91	274	96	78		
Pb	13.3	307	6.5	39.5		
Re	0.007	0.009	0.007	0.013		
S	<50	320	<50	110		
Sb	2.4	28.6	0.6	4.8		
Sn	0.7	2	0.7	<0.2		
Sr	105	42.7	99	221		
Te	<0.2	<0.2	<0.2	<0.2		
Th	0.36	0.24	0.39	0.36		
Ti	99	16	148	65		
Tl	<0.1	<0.1	<0.1	0.3		
U	5.21	3.75	2.7	3.86		
V	18	57	13	13		
W	<0.1	<0.1	<0.1	<0.1		
Zn	61.9	38.3	24.8	98		
Zr	<5	<5	<5	8		

Observed Lithology:

Rock Type

Felsic -Intermediate Volcanic, Mafic Volcanic, Berrecia with Mn(Oxid), Andesite, Monzo-Diorite, Granite, Basalt, Olivin Basalt, Rhyolite, Monzo-Gabro, Slate, Phylite, Clay, Carbonate(Fe), Tuff, Shale, Siltstone, Dolomite, Sandstone, Limestone, Obcidian, Marl, Gypsum

Observed Minerals And Fillings In Anomaly Checking :

Minerals

Malachite, Chalcopyrite, Pyrite, Calcite, Pyrolusite, Biotite, Bornite, Limonite, Goethite, Hematit, Barite, Silica, Quartz, Fe-Oxid, Feldspar, Iron Oxide, Q-topaz

Fillings

Quartz Carbonate, Carbonate(Fe), vein, Calcite

نتایج مدل سازی

A1

FINAL CALC-N MODELING RESULTS		
Probable Types of Ore Deposit	Rank (%)	Score (%)
Appalachian Zn	83	10.80
Bedded Barite	90	9.00
Sandstone Hosted Pb-Zn	65	5.30
Kipushi Cu-Pb-Zn	28	3.70
Missouri Pb-Zn	35	3.60

A1Y1

####	Appalachian Zn	Pos.Score	Neg.Score	Interval S	State
480	DOLOMITIZATION REPLACEMENT PRO	100	10	110	YES L
147	CARBONATE ROCKS	75	75	150	YES R
863	Pb	60	10	70	YES L
886	Zn	60	75	135	YES L
832	Ba	30	10	40	YES L
1072	PYRITE	30	30	60	YES L
298	FRACTURE SYSTEM	15	0	15	YES R
440	MARIN SEDIMENTARY ENVIRONMENT	15	0	15	YES L
559	DOLOMITE	15	0	15	YES L
661	SUPERGENE ENRICHMENT MINERALS	15	0	15	YES L
682	CERRUSITE	15	0	15	YES L
686	SMITHSONITE	15	0	15	YES L
732	SEDIMENTARY TEXTURES	15	0	15	YES L
	Total	460	210	670	

A1N1

####	Appalachian Zn	Pos.Score	Neg.Score	Interval S	State
1207	Appalachian Zn	150	0	150	L
230	PRECAMBRIAN	100	0	100	R
234	PALEOZOIC	100	0	100	R
244	TRIASSIC	100	0	100	R
323	PASSIVE CONTINENTAL MARGINE-SH	15	0	15	R
444	SHELF SEDIMENTARY ENVIRONMENT	15	0	15	L
605	SURFACE AND NEAR SURFACE OXIDA	15	0	15	L
610	SECONDARY ENRICHMENT PROCESSES	15	0	15	L
614	CHEMICAL SECONDARY ENRICHMENT	15	0	15	L
615	LEACHING PROCESSES	15	0	15	L
616	OXIDIZING LEACHING	15	0	15	L
620	WEATHERING PRODUCTS EXIST	15	0	15	L
687	HEMIMORPHITE	15	0	15	L
748	CAVITY FILLING	15	0	15	L

749	OPEN SPACE FILLINGS	15	0	15	L
750	BRECCIA FILLINGS	15	0	15	L
762	BRECCIA	15	0	15	L
772	RIBBON	15	0	15	L
773	TABULAR	15	0	15	L
779	FRACTURE FILLINGS	15	0	15	L
801	STRATIFORM	15	0	15	L
802	TECTONIC BRECCIA	15	0	15	L
803	PIPES BRECCIA	15	0	15	L
809	CONCORDANT LAYERED	15	0	15	L
812	BEDDED	15	0	15	L
	Total	765	0	765	

A1ND1

####	Appalachian Zn	Pos.Score	Neg.Score	Interval S	State
516	SILICIFICATION PROCESSES	100	10	110	nd L
1097	SPHALERITE	60	75	135	nd L
11	MARINE SEQUENCE	50	50	100	nd R
845	F	30	30	60	nd L
852	Mg	30	75	105	nd L
1032	MARCASITE	30	30	60	nd L
	Total	300	270	570	

A2

FINAL CALC-N MODELING RESULTS		
Probable Types of Ore Deposit	Rank (%)	Score (%)

*** Invalid modeling, not enough data! ***

A3

FINAL CALC-N MODELING RESULTS		
Probable Types of Ore Deposit	Rank (%)	Score (%)
Sedimentary Mn	98	8.30
Sedmentary exhalative Zn-Pb	5	-2.20
Sandstone Hosted Pb-Zn	63	-6.00
Appalachian Zn	10	-9.40
Bedded Barite	73	-9.90

A3Y1

####	Sedimentary Mn	Pos.Score	Neg.Score	Interval S	State
243	MESOZOIC	100	0	100	YES R
150	LIMESTONE	75	75	150	YES R
1074	PYROLUSITE	60	75	135	YES L
122	PELITE	45	10	55	YES R
440	MARIN SEDIMENTARY ENVIRONMENT	15	0	15	YES L
444	SHELF SEDIMENTARY ENVIRONMENT	15	0	15	YES L
732	SEDIMENTARY TEXTURES	15	0	15	YES L
941	CARBONATES	15	0	15	YES L
	Total	340	160	500	

A3N1

####	Sedimentary Mn	Pos.Score	Neg.Score	Interval S	State
1210	Superior Fe	150	0	150	L
1211	Sedimentary Mn	150	0	150	L
234	PALEOZOIC	100	0	100	R
1001	GLOUCONITE	30	10	40	L
260	INTRACRATONIC	15	0	15	R
452	ANOXIC CONTINENTAL ENVIRONMENT	15	0	15	L
605	SURFACE AND NEAR SURFACE OXIDA	15	0	15	L
610	SECONDARY ENRICHMENT PROCESSES	15	0	15	L
614	CHEMICAL SECONDARY ENRICHMENT	15	0	15	L
616	OXIDIZING LEACHING	15	0	15	L
620	WEATHERING PRODUCTS EXIST	15	0	15	L
655	Mn-OXIDES STAINS	15	0	15	L
761	PISOLITIC	15	0	15	L
765	OOLITES	15	0	15	L
774	CHAOTIC LAMINAR	15	0	15	L
775	REGULAR LAMINAR	15	0	15	L
	Total	610	10	620	

A3ND1

####	Sedimentary Mn	Pos.Score	Neg.Score	Interval S	State
853	Mn	60	75	135	nd L
1080	RHODOCHROSITE	60	75	135	nd L
11	MARINE SEQUENCE	50	50	100	nd R
881	V	30	30	60	nd L
	Total	200	230	430	

A4

FINAL CALC-N MODELING RESULTS		
Probable Types of Ore Deposit	Rank (%)	Score (%)
Sedimentary Mn	93	3.10
Lateritic-Saprolite Au	10	3.00
Sandstone Hosted Pb-Zn	5	2.50
Polymetallic-Replacement	3	2.40
Bedded Barite	55	0.60

A4Y1

####	Sedimentary Mn	Pos.Score	Neg.Score	Interval S	State
243	MESOZOIC	100	0	100	YES R
150	LIMESTONE	75	75	150	YES R
1074	PYROLUSITE	60	75	135	YES L
122	PELITE	45	10	55	YES R
440	MARIN SEDIMENTARY ENVIRONMENT	15	0	15	YES L
620	WEATHERING PRODUCTS EXIST	15	0	15	YES L
732	SEDIMENTARY TEXTURES	15	0	15	YES L
	Total	325	160	485	

A4N1

####	Sedimentary Mn	Pos.Score	Neg.Score	Interval S	State
1210	Superior Fe	150	0	150	L
1211	Sedimentary Mn	150	0	150	L
234	PALEOZOIC	100	0	100	R
853	Mn	60	75	135	L
881	V	30	30	60	L
260	INTRACRATONIC	15	0	15	R

444	SHELF SEDIMENTARY ENVIRONMENT	15	0	15	L
452	ANOXIC CONTINENTAL ENVIRONMENT	15	0	15	L
605	SURFACE AND NEAR SURFACE OXIDA	15	0	15	L
610	SECONDARY ENRICHMENT PROCESSES	15	0	15	L
614	CHEMICAL SECONDARY ENRICHMENT	15	0	15	L
616	OXIDIZING LEACHING	15	0	15	L
655	Mn-OXIDES STAINS	15	0	15	L
761	PISOLITIC	15	0	15	L
765	OOLITES	15	0	15	L
774	CHAOTIC LAMINAR	15	0	15	L
775	REGULAR LAMINAR	15	0	15	L
941	CARBONATES	15	0	15	L
	Total	685	105	790	

A4ND1

####	Sedimentary Mn	Pos.Score	Neg.Score	Interval S	State
1080	RHODOCHROSITE	60	75	135	nd L
11	MARINE SEQUENCE	50	50	100	nd R
1001	GLOUCONITE	30	10	40	nd L
	Total	140	135	275	

A5

FINAL CALC-N MODELING RESULTS		
Probable Types of Ore Deposit	Rank (%)	Score (%)
Missouri Pb-Zn	80	11.60
Kipushi Cu-Pb-Zn	63	9.40
Sedmentary exhalative Zn-Pb	15	6.60
Sedimentary Mn	70	5.60
Polymetallic-Replacement	8	5.10

A5Y1

####	Missouri Pb-Zn	Pos.Score	Neg.Score	Interval S	State
157	DOLOMITE	75	75	150	YES R
863	Pb	45	75	120	YES L
886	Zn	45	75	120	YES L
947	CHALCOPYRITE	45	30	75	YES L
996	GALENA	45	75	120	YES L
829	Ag	30	30	60	YES L
836	Co	30	30	60	YES L
837	Cu	30	75	105	YES L
855	Ni	30	30	60	YES L
1072	PYRITE	30	75	105	YES L
298	FRACTURE SYSTEM	15	0	15	YES R
440	MARIN SEDIMENTARY ENVIRONMENT	15	0	15	YES L
444	SHELF SEDIMENTARY ENVIRONMENT	15	0	15	YES L
559	DOLOMITE	15	0	15	YES L
605	SURFACE AND NEAR SURFACE OXIDA	15	0	15	YES L
661	SUPERGENE ENRICHMENT MINERALS	15	0	15	YES L
732	SEDIMENTARY TEXTURES	15	0	15	YES L
828	As	15	5	20	YES L
	Total	525	575	1100	

A5N1

####	Missouri Pb-Zn	Pos.Score	Neg.Score	Interval S	State
1189	Volcanic-Hosted Magnetite	150	0	150	L
1206	Missouri Pb-Zn	150	0	150	L
230	PRECAMBRIAN	100	0	100	R
234	PALEOZOIC	100	0	100	R
244	TRIASSIC	100	0	100	R
1097	SPHALERITE	45	75	120	L
854	Mo	30	30	60	L
323	PASSIVE CONTINENTAL MARGINE-SH	15	0	15	R

610	SECONDARY ENRICHMENT PROCESSES	15	0	15	L
614	CHEMICAL SECONDARY ENRICHMENT	15	0	15	L
615	LEACHING PROCESSES	15	0	15	L
616	OXIDIZING LEACHING	15	0	15	L
620	WEATHERING PRODUCTS EXIST	15	0	15	L
682	CERRUSITE	15	0	15	L
686	SMITHSONITE	15	0	15	L
687	HEMIMORPHITE	15	0	15	L
748	CAVITY FILLING	15	0	15	L
749	OPEN SPACE FILLINGS	15	0	15	L
750	BRECCIA FILLINGS	15	0	15	L
762	BRECCIA	15	0	15	L
772	RIBBON	15	0	15	L
773	TABULAR	15	0	15	L
779	FRACTURE FILLINGS	15	0	15	L
801	STRATIFORM	15	0	15	L
802	TECTONIC BRECCIA	15	0	15	L
803	PIPES BRECCIA	15	0	15	L
809	CONCORDANT LAYERED	15	0	15	L
812	BEDDED	15	0	15	L
870	Sb	15	0	15	L
	Total	1005	105	1110	

A5ND1

####	Missouri Pb-Zn	Pos.Score	Neg.Score	Interval S	State
480	DOLOMITIZATION REPLACEMENT PRO	100	10	110	nd L
11	MARINE SEQUENCE	50	50	100	nd R
1032	MARCASITE	30	30	60	nd L
839	C (Organic)	15	10	25	nd L
845	F	15	5	20	nd L
	Total	210	105	315	

A6

FINAL CALC-N MODELING RESULTS		
Probable Types of Ore Deposit	Rank (%)	Score (%)
Comstock Epithermal Veins	5	2.30
Bedded Barite	93	-1.20
Sedimentary Mn	88	-2.40
Lateritic-Saprolite Au	18	-4.70
Sandstone Hosted Pb-Zn	58	-6.20

A6Y1

####	Comstock Epithermal Veins	Pos.Score	Neg.Score	Interval S	State
830	Au	45	75	120	YES L
1045	NATIVES GOLD	45	75	120	YES L
996	GALENA	30	30	60	YES L
1010	HEMATITE	30	10	40	YES L
10	SEDIMENTARY SEQUENCE	15	15	30	YES R
423	FAULTED STRUCTURE	15	0	15	YES L
424	NORMAL FAULT STRUCTURE	15	0	15	YES L
605	SURFACE AND NEAR SURFACE OXIDA	15	0	15	YES L
650	GOETHITE IN BLEACHED COUNTRY R	15	0	15	YES L
651	LIMONITE IN BLEACHED COUNTRY R	15	0	15	YES L
652	HEMATITE IN BLEACHED COUNTRY R	15	0	15	YES L
664	GOETHITE	15	0	15	YES L
665	LIMONITE	15	0	15	YES L
17	LOW GRADE METAMORPHIC SEQUENCE	10	10	20	YES R
	Total	295	215	510	

A6N1

####	Comstock Epithermal Veins	Pos.Score	Neg.Score	Interval S	State
1183	Comstock Epithermal Veins	150	0	150	L
1185	Epithermal Quartze-Alunite Au	150	0	150	L
1223	Placer Au-PGE	150	0	150	L
247	TERTIARY	100	0	100	R
516	SILICIFICATION PROCESSES	100	10	110	L
87	FELSIC VOLCANIC BODY	75	75	150	R
828	As	45	30	75	L
847	Hg	45	10	55	L
870	Sb	45	30	75	L
914	ARGENTITE	45	75	120	L
1107	SULFOSALT	45	30	75	L
1112	TELLURIDES	45	10	55	L
829	Ag	30	75	105	L
837	Cu	30	75	105	L
863	Pb	30	75	105	L

916	ARSENOPYRITE	30	5	35	L
947	CHALCOPYRITE	30	30	60	L
8	FELSIC VOLCANIC SEQUENCE	25	25	50	R
266	UNSTABLE CONDITION	15	0	15	R
277	STEEP NORMAL FAULT	15	0	15	R
286	DOMING	15	0	15	R
290	NORMAL FAULT	15	0	15	R
302	RING FRACTURE SYSTEM	15	0	15	R
303	DOMING RELATED RING FRACTURE S	15	0	15	R
304	CALDERA RELATED RING FRACTURE	15	0	15	R
318	ACTIVE CONTINENTAL MARGINE	15	0	15	R
327	OCEANIC PLATE MARGINE-ARC	15	0	15	R
334	OCEANIC-OCEANIC SUBDUCTION	15	0	15	R
336	OCEANIC-CONTINENTAL SUBDUCTION	15	0	15	R
381	X=SUBVOLCANIC PLUTONS Y=CLASTI	15	0	15	L
400	LINEAR BIMODAL EXTRUSIVE	15	0	15	L
401	LINEAR CALC-ALKALINE EXTRUSIVE	15	0	15	L
403	CALDERA EXTRUSIVE	15	0	15	L
404	CALDERA RIMS	15	0	15	L
405	CALDERA RING FRACTURE ZONE	15	0	15	L
407	SHALLOW SEATED MAGMATISM	15	0	15	L
418	GEOTHERMAL ACTIVITY	15	0	15	L
419	VOLCANIC RELATED GEOTHERMAL AC	15	0	15	L
439	EPICONTINENTAL SEDIMENTARY ENV	15	0	15	L
445	NEAR SHORE SEDIMENTARY ENVIRON	15	0	15	L
526	ADULARIA	15	0	15	L
542	BUDDINGTONITE	15	0	15	L
560	EPIDOT	15	0	15	L
564	GROSSULAR	15	0	15	L
601	ZEOLITE	15	0	15	L
608	LATERITIZATION	15	0	15	L
616	OXIDIZING LEACHING	15	0	15	L
623	HEMATITE GOSSAN	15	0	15	L
624	LIMONITE GOSSAN	15	0	15	L
648	JAROSITE IN BLEACHED COUNTRY R	15	0	15	L
649	ALUNITE IN BLEACHED COUNTRY RO	15	0	15	L
683	ALUNITE	15	0	15	L
715	INEQUIGRANULAR TEXTURES	15	0	15	L
717	PORPHYRY	15	0	15	L
748	CAVITY FILLING	15	0	15	L
791	STOCKWORK	15	0	15	L
814	BANDED	15	0	15	L
821	REGULAR VIEN	15	0	15	L
	Total	1770	555	2325	

A6ND1

####	Comstock Epithermal Veins	Pos.Score	Neg.Score	Interval S	State
1097	SPHALERITE	30	30	60	nd L
	Total	30	30	60	

A7

FINAL CALC-N MODELING RESULTS		
Probable Types of Ore Deposit	Rank (%)	Score (%)
Sedimentary Mn	95	6.80
Polymetallic-Replacement	8	-0.40
Appalachian Zn	75	-8.90
Bedded Barite	58	-10.70
Sandstone Hosted Pb-Zn	20	-11.80

A7Y1

####	Sedimentary Mn	Pos.Score	Neg.Score	Interval S	State
243	MESOZOIC	100	0	100	YES R
150	LIMESTONE	75	75	150	YES R
1074	PYROLUSITE	60	75	135	YES L
11	MARINE SEQUENCE	50	50	100	YES R
122	PELITE	45	10	55	YES R
440	MARIN SEDIMENTARY ENVIRONMENT	15	0	15	YES L
444	SHELF SEDIMENTARY ENVIRONMENT	15	0	15	YES L
605	SURFACE AND NEAR SURFACE OXIDA	15	0	15	YES L
620	WEATHERING PRODUCTS EXIST	15	0	15	YES L
732	SEDIMENTARY TEXTURES	15	0	15	YES L
	Total	405	210	615	

A7N1

####	Sedimentary Mn	Pos.Score	Neg.Score	Interval S	State
1210	Superior Fe	150	0	150	L
1211	Sedimentary Mn	150	0	150	L
234	PALEOZOIC	100	0	100	R
853	Mn	60	75	135	L
881	V	30	30	60	L
260	INTRACRATONIC	15	0	15	R
452	ANOXIC CONTINENTAL ENVIRONMENT	15	0	15	L
610	SECONDARY ENRICHMENT PROCESSES	15	0	15	L
614	CHEMICAL SECONDARY ENRICHMENT	15	0	15	L
616	OXIDIZING LEACHING	15	0	15	L
761	PISOLITIC	15	0	15	L
765	OOLITES	15	0	15	L
774	CHAOTIC LAMINAR	15	0	15	L
775	REGULAR LAMINAR	15	0	15	L
941	CARBONATES	15	0	15	L
	Total	640	105	745	

A7ND1

####	Sedimentary Mn	Pos.Score	Neg.Score	Interval S	State
1080	RHODOCHROSITE	60	75	135	nd L
1001	GLOUCONITE	30	10	40	nd L
655	Mn-OXIDES STAINS	15	0	15	nd L
	Total	105	85	190	

A8

FINAL CALC-N MODELING RESULTS		
Probable Types of Ore Deposit	Rank (%)	Score (%)
Besshi-Massive Sulfide	3	2.20
Appalachian Zn	88	-0.20
Bedded Barite	80	-0.30
Sedimentary Mn	43	-1.80
Sedmentary exhalative Zn-Pb	18	-1.90

A8Y1

####	Besshi-Massive Sulfide	Pos.Score	Neg.Score	Interval S	State
233	PHANEROZOIC	100	0	100	YES R
124	SHALE	60	5	65	YES R
226	BRECCIA	45	5	50	YES R
1072	PYRITE	45	75	120	YES L
996	GALENA	30	10	40	YES L
1029	MAGNETITE	30	30	60	YES L
266	UNSTABLE CONDITION	15	0	15	YES R
423	FAULTED STRUCTURE	15	0	15	YES L
424	NORMAL FAULT STRUCTURE	15	0	15	YES L
734	FINE GRAINE CLASTIC	15	0	15	YES L
735	MEDIUM GRAINE CLASTIC	15	0	15	YES L
	Total	385	125	510	

A8 N1

####	Besshi-Massive Sulfide	Pos.Score	Neg.Score	Interval S	State
1178	Besshi-Massive Sulfide	150	0	150	L
514	CHLORITIZATION	100	10	110	L
93	TUFF	75	10	85	R
136	SANDSTONE	75	5	80	R
140	RED BED	45	5	50	R
164	CHERT	45	5	50	R
886	Zn	45	75	120	L
947	CHALCOPYRITE	45	75	120	L
1077	PYRRHOTITE	45	30	75	L
1115	TETRAHDERITE	45	10	55	L
431	DEFORMED STRUCTURE	30	0	30	L
829	Ag	30	75	105	L
830	Au	30	30	60	L
835	Cr	30	10	40	L
836	Co	30	30	60	L
855	Ni	30	10	40	L
928	BORNITE	30	10	40	L
963	COBALTITE	30	5	35	L
1038	MOLYBDENITE	30	5	35	L
1101	STANNITE	30	5	35	L
4	MAFIC VOLCANIC SEQUENCE	25	25	50	R
267	EXTENTIONAL REGIME	15	0	15	R
268	RIFT SYSTEM	15	0	15	R
272	OCEANIC RIFT SYSTEM	15	0	15	R
273	MARGINAL OCEANIC RIFT SYSTEM	15	0	15	R
315	RIFTED BASIN (RIDGE)	15	0	15	R
332	OCEANIC DIVERGENT BOUNDARY-RIF	15	0	15	R
341	ARC RELATED	15	0	15	R
345	RIFT RELATED MAGMATISM	15	0	15	R
353	BACK ARC RELATED MAGMATISM	15	0	15	R
369	SUBMARINE MAGMATISM	15	0	15	R
418	GEOTHERMAL ACTIVITY	15	0	15	L
544	CARBONATES	15	0	15	L
608	LATERITIZATION	15	0	15	L
622	Fe-RICH GOSSAN	15	0	15	L
745	MASSIVE	15	0	15	L
750	BRECCIA FILLINGS	15	0	15	L
762	BRECCIA	15	0	15	L
791	STOCKWORK	15	0	15	L
792	STRINGER	15	0	15	L
821	REGULAR VIEN	15	0	15	L
	Total	1295	430	1725	

A8ND1

####	Besshi-Massive Sulfide	Pos.Score	Neg.Score	Interval S	State
837	Cu	45	75	120	nd L
1097	SPHALERITE	45	75	120	nd L
11	MARINE SEQUENCE	25	25	50	nd R
	Total	115	175	290	

A9

FINAL CALC-N MODELING RESULTS		
Probable Types of Ore Deposit	Rank (%)	Score (%)
Polymetallic-Replacement	3	2.00
Appalachian Zn	88	-5.10
Sedmentary exhalative Zn-Pb	18	-5.60
Sandstone Hosted Pb-Zn	73	-8.60
Bedded Barite	70	-8.80

A9Y1

####	Polymetallic-Replacement	Pos.Score	Neg.Score	Interval S	State
150	LIMESTONE	75	75	150	YES R
124	SHALE	45	10	55	YES R
863	Pb	30	75	105	YES L
921	BARITE	30	30	60	YES L
996	GALENA	30	30	60	YES L
1072	PYRITE	30	75	105	YES L
536	ARGILLITE	15	0	15	YES L
682	CERRUSITE	15	0	15	YES L
	Total	270	295	565	

A9N1

####	Polymetallic-Replacement	Pos.Score	Neg.Score	Interval S	State
1159	Porphyry-Cu	150	0	150	L
1162	Skarn-Pb-Zn	150	0	150	L
1165	Polymetallic-Replacement	150	0	150	L
480	DOLOMITIZATION REPLACEMENT PRO	100	10	110	L
514	CHLORITIZATION	100	10	110	L
516	SILICIFICATION PROCESSES	100	10	110	L
7	FELSIC PLUTONIC SEQUENCE	50	50	100	R
54	PLUTONIC FELSIC BODY	30	30	60	R
828	As	30	10	40	L
829	Ag	30	30	60	L
830	Au	30	30	60	L
832	Ba	30	10	40	L
834	Bi	30	10	40	L
837	Cu	30	75	105	L
853	Mn	30	30	60	L
870	Sb	30	10	40	L
871	S	30	75	105	L
877	Te	30	10	40	L
886	Zn	30	75	105	L
914	ARGENTITE	30	10	40	L
947	CHALCOPYRITE	30	30	60	L
982	DIGENITE	30	5	35	L
986	EMARGITE	30	10	40	L

1032	MARCASITE	30	30	60	L
1071	PYRARGYRITE	30	30	60	L
266	UNSTABLE CONDITION	15	0	15	R
282	MOBILE BELT	15	0	15	R
284	OROGENIC	15	0	15	R
304	CALDERA RELATED RING FRACTURE	15	0	15	R
318	ACTIVE CONTINENTAL MARGINE	15	0	15	R
336	OCEANIC-CONTINENTAL SUBDUCTION	15	0	15	R
341	ARC RELATED	15	0	15	R
344	OROGENIC RELATED MAGMATISM	15	0	15	R
348	SUBDUCTION RELATED MAGMATISM	15	0	15	R
350	ARC RELATED MAGMATISM	15	0	15	R
366	MIDDLE STAGE (CALC ALKALINE) S	15	0	15	R
389	X=EPIZONAL COMPLEX Y=CARBONATE	15	0	15	L
392	X=STOCKS Y=CARBONATE ROCK	15	0	15	L
403	CALDERA EXTRUSIVE	15	0	15	L
405	CALDERA RING FRACTURE ZONE	15	0	15	L
408	EPIZONAL MAGMATISM	15	0	15	L
547	CHLORITE	15	0	15	L
566	JASPORID	15	0	15	L
605	SURFACE AND NEAR SURFACE OXIDA	15	0	15	L
610	SECONDARY ENRICHMENT PROCESSES	15	0	15	L
616	OXIDIZING LEACHING	15	0	15	L
625	OCHREOUS MASSES	15	0	15	L
661	SUPERGENE ENRICHMENT MINERALS	15	0	15	L
681	ANGELSITE	15	0	15	L
687	HEMIMORPHITE	15	0	15	L
715	INEQUIGRANULAR TEXTURES	15	0	15	L
717	PORPHYRY	15	0	15	L
745	MASSIVE	15	0	15	L
748	CAVITY FILLING	15	0	15	L
796	MASSIVE	15	0	15	L
	Total	1790	590	2380	

A10

FINAL CALC-N MODELING RESULTS		
Probable Types of Ore Deposit	Rank (%)	Score (%)
Bedded Barite	95	3.70
Appalachian Zn	83	2.20
Sandstone Hosted Pb-Zn	65	1.00
Missouri Pb-Zn	5	-3.80
Polymetallic-Replacement	8	-4.30

A10Y1

####	Bedded Barite	Pos.Score	Neg.Score	Interval S	State
124	SHALE	75	10	85	YES R
921	BARITE	75	75	150	YES L
10	SEDIMENTARY SEQUENCE	50	50	100	YES R
150	LIMESTONE	45	10	55	YES R
122	PELITE	30	5	35	YES R
871	S	30	75	105	YES L
886	Zn	30	10	40	YES L
1072	PYRITE	30	10	40	YES L
298	FRACTURE SYSTEM	15	0	15	YES R
440	MARIN SEDIMENTARY ENVIRONMENT	15	0	15	YES L
732	SEDIMENTARY TEXTURES	15	0	15	YES L
733	VERY FINE GRAINE CLASTIC	15	0	15	YES L
734	FINE GRAINE CLASTIC	15	0	15	YES L
735	MEDIUM GRAINE CLASTIC	15	0	15	YES L
	Total	455	245	700	

A10N1

####	Bedded Barite	Pos.Score	Neg.Score	Interval S	State
1203	Sedmentary exhalative Zn-Pb	150	0	150	L
1204	Bedded Barite	150	0	150	L
232	PROTROZOIC	100	0	100	R
233	PHANEROZOIC	100	0	100	R
832	Ba	75	75	150	L
164	CHERT	60	10	70	R
227	GREEN STONE	30	5	35	R
801	STRATIFORM	30	0	30	L
812	BEDDED	30	0	30	L
996	GALENA	30	10	40	L
1097	SPHALERITE	30	10	40	L
891	GRAVITY-HIGH	25	50	75	L
261	EPEICRATONIC	15	0	15	R
289	FAULT SYSTEM	15	0	15	R

295	FAULTS INTERSECTIONS	15	0	15	R
297	SYNSEDIMENTARY FAULT	15	0	15	R
588	SERICITE	15	0	15	L
760	GRAIN	15	0	15	L
773	TABULAR	15	0	15	L
808	LENTICULAR	15	0	15	L
809	CONCORDANT LAYERED	15	0	15	L
811	INTERLAYERED	15	0	15	L
	Total	960	160	1120	

A10ND1

####	Bedded Barite	Pos.Score	Neg.Score	Interval S	State
136	SANDSTONE	30	5	35	nd R
839	C (Organic)	30	30	60	nd L
	Total	60	35	95	

A11

FINAL CALC-N MODELING RESULTS		
Probable Types of Ore Deposit	Rank (%)	Score (%)
Sediment Hosted Cu	93	6.50
Sedmentary exhalative Zn-Pb	10	2.60
Polymetallic-Replacement	3	2.40
Sedimentary Mn	3	-0.10
Bedded Barite	65	-1.00

A11Y1

####	Sediment Hosted Cu	Pos.Score	Neg.Score	Interval S	State
233	PHANEROZOIC	100	0	100	YES R
837	Cu	60	75	135	YES L
10	SEDIMENTARY SEQUENCE	50	50	100	YES R
124	SHALE	45	10	55	YES R
863	Pb	30	10	40	YES L
1072	PYRITE	30	30	60	YES L
266	UNSTABLE CONDITION	15	0	15	YES R
277	STEEP NORMAL FAULT	15	0	15	YES R
289	FAULT SYSTEM	15	0	15	YES R
322	PASSIVE CONTINENTAL MARGINE	15	0	15	YES R
439	EPICONTINENTAL SEDIMENTARY ENV	15	0	15	YES L
661	SUPERGENE ENRICHMENT MINERALS	15	0	15	YES L
733	VERY FINE GRAINE CLASTIC	15	0	15	YES L
734	FINE GRAINE CLASTIC	15	0	15	YES L
735	MEDIUM GRAINE CLASTIC	15	0	15	YES L
	Total	450	175	625	

A11N1

####	Sediment Hosted Cu	Pos.Score	Neg.Score	Interval S	State
1176	Basaltic Cu	150	0	150	L
1201	Sediment Hosted Cu	150	0	150	L
1202	Sandstone U	150	0	150	L
1208	Kipushi Cu-Pb-Zn	150	0	150	L
232	PROTROZOIC	100	0	100	R
829	Ag	45	75	120	L
267	EXTENTIONAL REGIME	15	0	15	R
269	CONTINENTAL RIFT SYSTEM	15	0	15	R
271	INTRACONTINENTAL RIFT SYSTEM	15	0	15	R
275	FAILED RIFT SYSTEM	15	0	15	R
291	HIGH ANGLE NORMAL FAULT	15	0	15	R
606	SURFACE AND NEAR SURFACE REDUC	15	0	15	L
617	REDUCING LEACHING	15	0	15	L
620	WEATHERING PRODUCTS EXIST	15	0	15	L
676	CHALCOCITE	15	0	15	L

736	COARSE GRAINE CLASTIC	15	0	15	L
744	DESIMINATED	15	0	15	L
785	COLLOFORM	15	0	15	L
	Total	925	75	1000	

A11ND1

####	Sediment Hosted Cu	Pos.Score	Neg.Score	Interval S	State
140	RED BED	75	75	150	nd R
839	C (Organic)	75	75	150	nd L
946	CHALCOCITE	60	30	90	nd L
129	GREEN SHALE	45	5	50	nd R
136	SANDSTONE	45	75	120	nd R
928	BORNITE	45	30	75	nd L
801	STRATIFORM	30	30	60	nd L
854	Mo	30	10	40	nd L
880	U	30	30	60	nd L
881	V	30	15	45	nd L
886	Zn	30	10	40	nd L
1047	NATIVES SILVER	30	30	60	nd L
836	Co	15	5	20	nd L
848	Ga	15	5	20	nd L
	Total	555	425	980	

A12

FINAL CALC-N MODELING RESULTS		
Probable Types of Ore Deposit	Rank (%)	Score (%)
Sediment Hosted Cu	100	4.80
Besshi-Massive Sulfide	10	3.20
Polymetallic-Replacement	5	2.80
Kipushi Cu-Pb-Zn	13	-0.30
Sedmentary exhalative Zn-Pb	3	-3.70

A12Y1

####	Sediment Hosted Cu	Pos.Score	Neg.Score	Interval S	State
233	PHANEROZOIC	100	0	100	YES R
837	Cu	60	75	135	YES L
10	SEDIMENTARY SEQUENCE	50	50	100	YES R
124	SHALE	45	10	55	YES R
829	Ag	45	75	120	YES L
928	BORNITE	45	30	75	YES L
1072	PYRITE	30	30	60	YES L
266	UNSTABLE CONDITION	15	0	15	YES R
289	FAULT SYSTEM	15	0	15	YES R
322	PASSIVE CONTINENTAL MARGINE	15	0	15	YES R
439	EPICONTINENTAL SEDIMENTARY ENV	15	0	15	YES L
661	SUPERGENE ENRICHMENT MINERALS	15	0	15	YES L
733	VERY FINE GRAINE CLASTIC	15	0	15	YES L
734	FINE GRAINE CLASTIC	15	0	15	YES L
735	MEDIUM GRAINE CLASTIC	15	0	15	YES L
	Total	495	270	765	

A12N1

####	Sediment Hosted Cu	Pos.Score	Neg.Score	Interval S	State
1176	Basaltic Cu	150	0	150	L
1201	Sediment Hosted Cu	150	0	150	L
1202	Sandstone U	150	0	150	L
1208	Kipushi Cu-Pb-Zn	150	0	150	L
232	PROTROZOIC	100	0	100	R
946	CHALCOCITE	60	30	90	L
129	GREEN SHALE	45	5	50	R
854	Mo	30	10	40	L
863	Pb	30	10	40	L
880	U	30	30	60	L
886	Zn	30	10	40	L
267	EXTENTIONAL REGIME	15	0	15	R
269	CONTINENTAL RIFT SYSTEM	15	0	15	R
271	INTRACONTINENTAL RIFT SYSTEM	15	0	15	R

275	FAILED RIFT SYSTEM	15	0	15	R
277	STEEP NORMAL FAULT	15	0	15	R
291	HIGH ANGLE NORMAL FAULT	15	0	15	R
606	SURFACE AND NEAR SURFACE REDUC	15	0	15	L
617	REDUCING LEACHING	15	0	15	L
620	WEATHERING PRODUCTS EXIST	15	0	15	L
676	CHALCOCITE	15	0	15	L
736	COARSE GRAINE CLASTIC	15	0	15	L
744	DESIMINATED	15	0	15	L
785	COLLOFORM	15	0	15	L
836	Co	15	5	20	L
	Total	1135	100	1235	

A12ND1

####	Sediment Hosted Cu	Pos.Score	Neg.Score	Interval S	State
140	RED BED	75	75	150	nd R
839	C (Organic)	75	75	150	nd L
136	SANDSTONE	45	75	120	nd R
801	STRATIFORM	30	30	60	nd L
881	V	30	15	45	nd L
1047	NATIVES SILVER	30	30	60	nd L
848	Ga	15	5	20	nd L
	Total	300	305	605	

A13

FINAL CALC-N MODELING RESULTS		
Probable Types of Ore Deposit	Rank (%)	Score (%)
Besshi-Massive Sulfide	10	2.90
Sedmentary exhalative Zn-Pb	8	2.80
Bedded Barite	83	-0.10
Sandstone Hosted Pb-Zn	60	-1.00
Sedimentary Mn	70	-1.90

A13Y1

####	Besshi-Massive Sulfide	Pos.Score	Neg.Score	Interval S	State
124	SHALE	60	5	65	YES R
947	CHALCOPYRITE	45	75	120	YES L
1072	PYRITE	45	75	120	YES L
829	Ag	30	75	105	YES L
996	GALENA	30	10	40	YES L
266	UNSTABLE CONDITION	15	0	15	YES R
423	FAULTED STRUCTURE	15	0	15	YES L
424	NORMAL FAULT STRUCTURE	15	0	15	YES L
734	FINE GRAINE CLASTIC	15	0	15	YES L
735	MEDIUM GRAINE CLASTIC	15	0	15	YES L
	Total	285	240	525	

A13N1

####	Besshi-Massive Sulfide	Pos.Score	Neg.Score	Interval S	State
1178	Besshi-Massive Sulfide	150	0	150	L
233	PHANEROZOIC	100	0	100	R
514	CHLORITIZATION	100	10	110	L
93	TUFF	75	10	85	R
164	CHERT	45	5	50	R
226	BRECCIA	45	5	50	R
837	Cu	45	75	120	L
886	Zn	45	75	120	L
1077	PYRRHOTITE	45	30	75	L
1115	TETRAHDERITE	45	10	55	L
431	DEFORMED STRUCTURE	30	0	30	L
830	Au	30	30	60	L
835	Cr	30	10	40	L
836	Co	30	30	60	L
855	Ni	30	10	40	L
928	BORNITE	30	10	40	L
963	COBALTITE	30	5	35	L
1029	MAGNETITE	30	30	60	L
1038	MOLYBDENITE	30	5	35	L
1101	STANNITE	30	5	35	L

4	MAFIC VOLCANIC SEQUENCE	25	25	50	R
267	EXTENTIONAL REGIME	15	0	15	R
268	RIFT SYSTEM	15	0	15	R
272	OCEANIC RIFT SYSTEM	15	0	15	R
273	MARGINAL OCEANIC RIFT SYSTEM	15	0	15	R
315	RIFTED BASIN (RIDGE)	15	0	15	R
332	OCEANIC DIVERGENT BOUNDARY-RIF	15	0	15	R
341	ARC RELATED	15	0	15	R
345	RIFT RELATED MAGMATISM	15	0	15	R
353	BACK ARC RELATED MAGMATISM	15	0	15	R
369	SUBMARINE MAGMATISM	15	0	15	R
418	GEOTHERMAL ACTIVITY	15	0	15	L
544	CARBONATES	15	0	15	L
608	LATERITIZATION	15	0	15	L
622	Fe-RICH GOSSAN	15	0	15	L
745	MASSIVE	15	0	15	L
750	BRECCIA FILLINGS	15	0	15	L
762	BRECCIA	15	0	15	L
791	STOCKWORK	15	0	15	L
792	STRINGER	15	0	15	L
821	REGULAR VIEN	15	0	15	L
	Total	1320	380	1700	

A13ND1

####	Besshi-Massive Sulfide	Pos.Score	Neg.Score	Interval S	State
136	SANDSTONE	75	5	80	nd R
140	RED BED	45	5	50	nd R
1097	SPHALERITE	45	75	120	nd L
11	MARINE SEQUENCE	25	25	50	nd R
	Total	190	110	300	

A14

FINAL CALC-N MODELING RESULTS		
Probable Types of Ore Deposit	Rank (%)	Score (%)
Sandstone Hosted Pb-Zn	75	4.20
Missouri Pb-Zn	10	3.80
Polymetallic-Replacement	5	3.30
Bedded Barite	58	2.60
Sedmentary exhalative Zn-Pb	13	2.20

A14Y1

####	Sandstone Hosted Pb-Zn	Pos.Score	Neg.Score	Interval S	State
863	Pb	60	75	135	YES L
886	Zn	60	75	135	YES L
996	GALENA	60	75	135	YES L
132	SILTSTONE	45	5	50	YES R
921	BARITE	30	10	40	YES L
1072	PYRITE	30	30	60	YES L
449	CONTINENTAL SEDIMENTARY ENVIRO	15	0	15	YES L
682	CERRUSITE	15	0	15	YES L
686	SMITHSONITE	15	0	15	YES L
732	SEDIMENTARY TEXTURES	15	0	15	YES L
870	Sb	15	5	20	YES L
	Total	360	275	635	

A14N1

####	Sandstone Hosted Pb-Zn	Pos.Score	Neg.Score	Interval S	State
1200	Sandstone Hosted Pb-Zn	150	0	150	L
1201	Sediment Hosted Cu	150	0	150	L
10	SEDIMENTARY SEQUENCE	50	50	100	R
145	CONGLOMERATE	45	5	50	R
832	Ba	45	10	55	L
829	Ag	30	30	60	L
258	STABLE CONDITION	15	0	15	R
283	UPLIFT	15	0	15	R
284	OROGENIC	15	0	15	R
310	GRANITIC SIALIC BASEMENT	15	0	15	R
311	GRANITIC GENISSES SIALIC BASEM	15	0	15	R
440	MARIN SEDIMENTARY ENVIRONMENT	15	0	15	L
444	SHELF SEDIMENTARY ENVIRONMENT	15	0	15	L
445	NEAR SHORE SEDIMENTARY ENVIRON	15	0	15	L
453	FLUVIAL FAN ENVIRONMENT	15	0	15	L
456	ALLUVIAL FAN ENVIRONMENT	15	0	15	L
459	PIEDMONT ENVIRONMENT	15	0	15	L
460	STABLE COASTAL PLAIN ENVIRONME	15	0	15	L
461	DELTAIC ENVIRONMENT	15	0	15	L

552	ILLITE	15	0	15	L
588	SERICITE	15	0	15	L
605	SURFACE AND NEAR SURFACE OXIDA	15	0	15	L
610	SECONDARY ENRICHMENT PROCESSES	15	0	15	L
615	LEACHING PROCESSES	15	0	15	L
616	OXIDIZING LEACHING	15	0	15	L
675	COVLLITE	15	0	15	L
676	CHALCOCITE	15	0	15	L
677	AZURITE	15	0	15	L
678	MALACHAITE	15	0	15	L
681	ANGELSITE	15	0	15	L
688	HYDROZINCITE	15	0	15	L
736	COARSE GRAINE CLASTIC	15	0	15	L
760	GRAIN	15	0	15	L
772	RIBBON	15	0	15	L
773	TABULAR	15	0	15	L
809	CONCORDANT LAYERED	15	0	15	L
811	INTERLAYERED	15	0	15	L
812	BEDDED	15	0	15	L
813	CROSSBEDDING	15	0	15	L
814	BANDED	15	0	15	L
815	POKETS	15	0	15	L
816	BLANKETS	15	0	15	L
828	As	15	0	15	L
834	Bi	15	0	15	L
	Total	1040	95	1135	

A14ND1

####	Sandstone Hosted Pb-Zn	Pos.Score	Neg.Score	Interval S	State
136	SANDSTONE	75	75	150	nd R
1097	SPHALERITE	60	75	135	nd L
839	C (Organic)	30	10	40	nd L
845	F	30	10	40	nd L
992	FLUORITE	30	10	40	nd L
801	STRATIFORM	15	0	15	nd L
	Total	240	180	420	

A15

FINAL CALC-N MODELING RESULTS		
Probable Types of Ore Deposit	Rank (%)	Score (%)
Sedimentary Mn	98	17.10
Kipushi Cu-Pb-Zn	3	3.40
Disseminated-Ag-Au	3	-3.20
Bedded Barite	80	-4.80
Appalachian Zn	43	-6.50

A15Y1

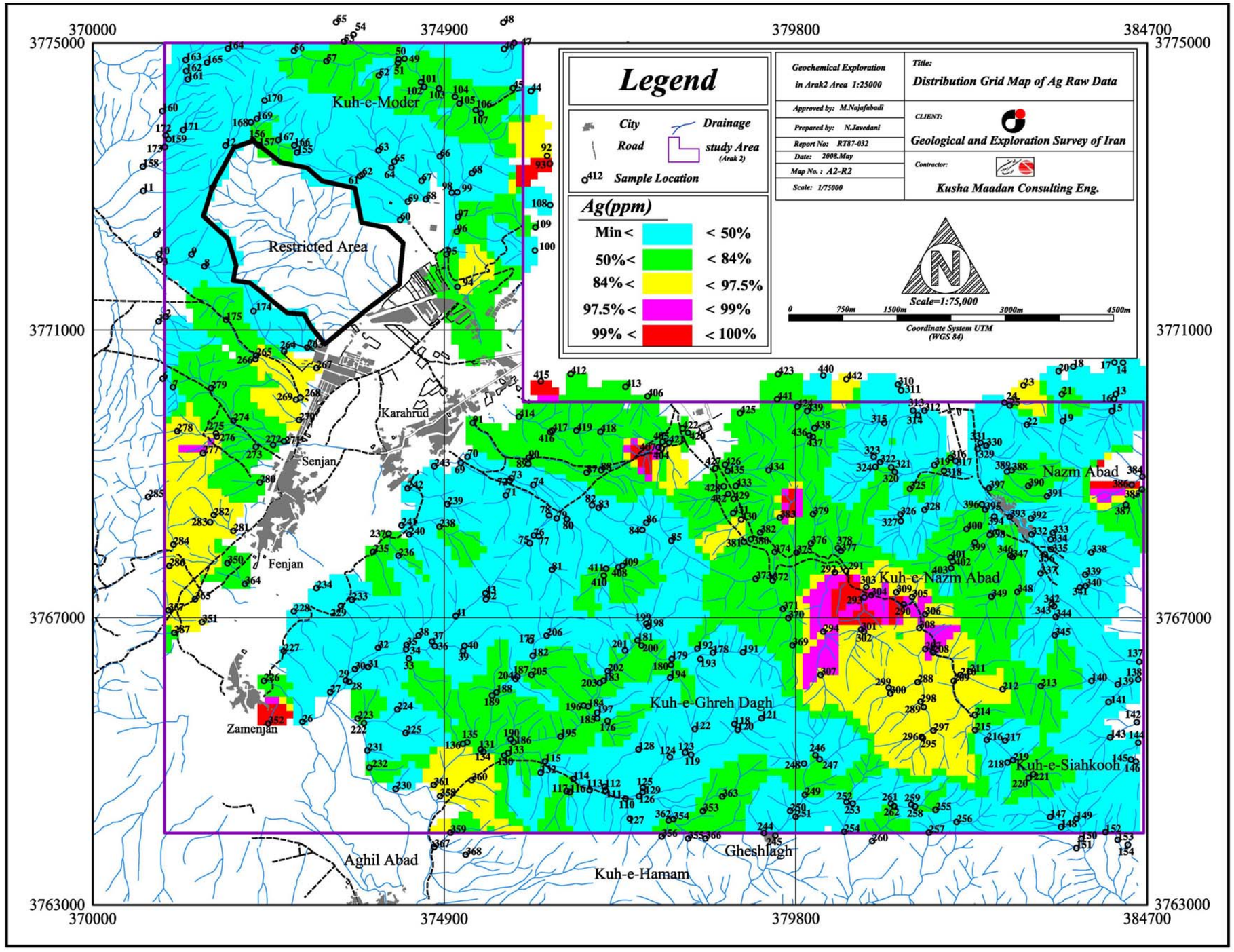
####	Sedimentary Mn	Pos.Score	Neg.Score	Interval S	State
243	MESOZOIC	100	0	100	YES R
150	LIMESTONE	75	75	150	YES R
853	Mn	60	75	135	YES L
11	MARINE SEQUENCE	50	50	100	YES R
122	PELITE	45	10	55	YES R
440	MARIN SEDIMENTARY ENVIRONMENT	15	0	15	YES L
444	SHELF SEDIMENTARY ENVIRONMENT	15	0	15	YES L
452	ANOXIC CONTINENTAL ENVIRONMENT	15	0	15	YES L
605	SURFACE AND NEAR SURFACE OXIDA	15	0	15	YES L
610	SECONDARY ENRICHMENT PROCESSES	15	0	15	YES L
616	OXIDIZING LEACHING	15	0	15	YES L
620	WEATHERING PRODUCTS EXIST	15	0	15	YES L
732	SEDIMENTARY TEXTURES	15	0	15	YES L
775	REGULAR LAMINAR	15	0	15	YES L
941	CARBONATES	15	0	15	YES L
	Total	480	210	690	

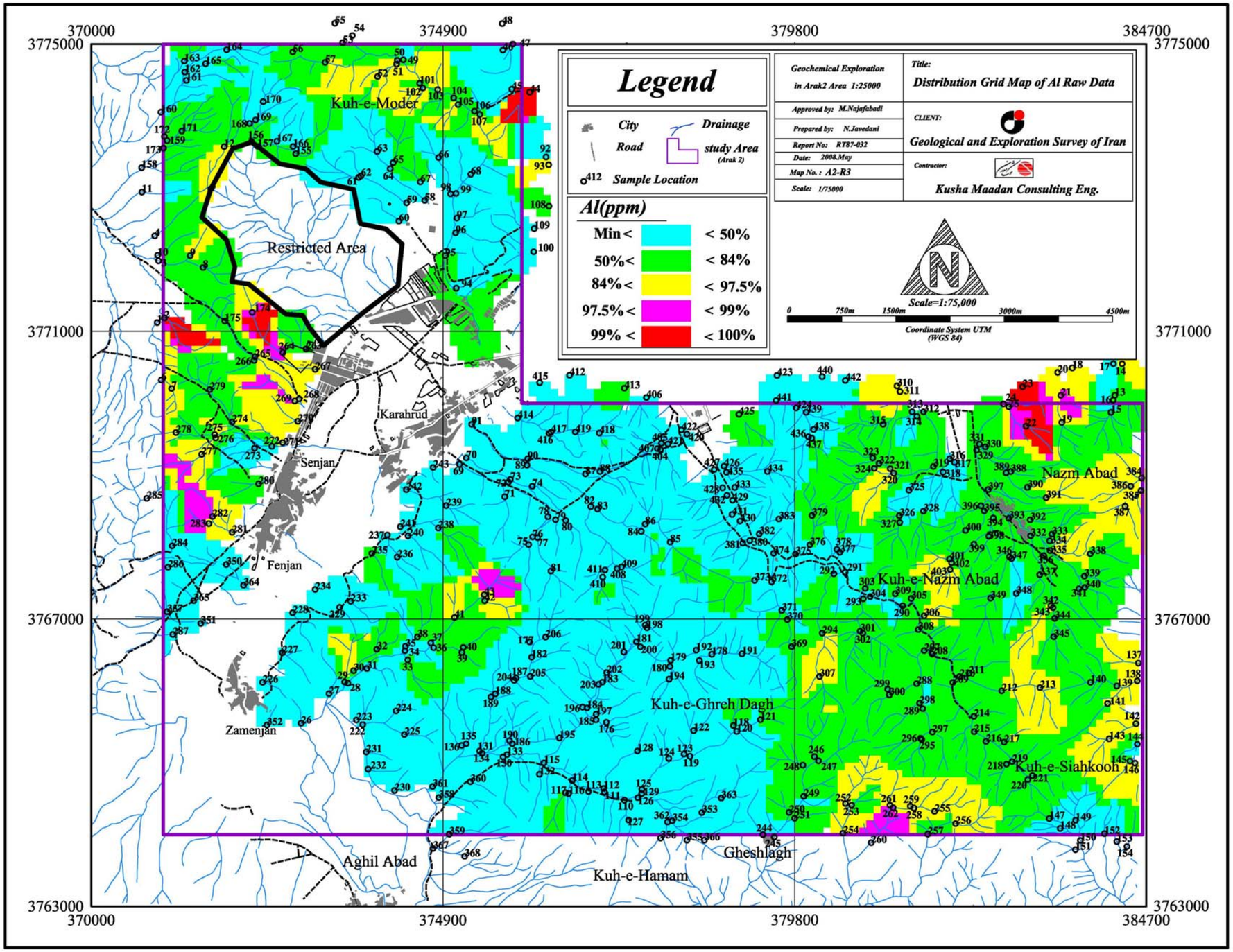
A15N1

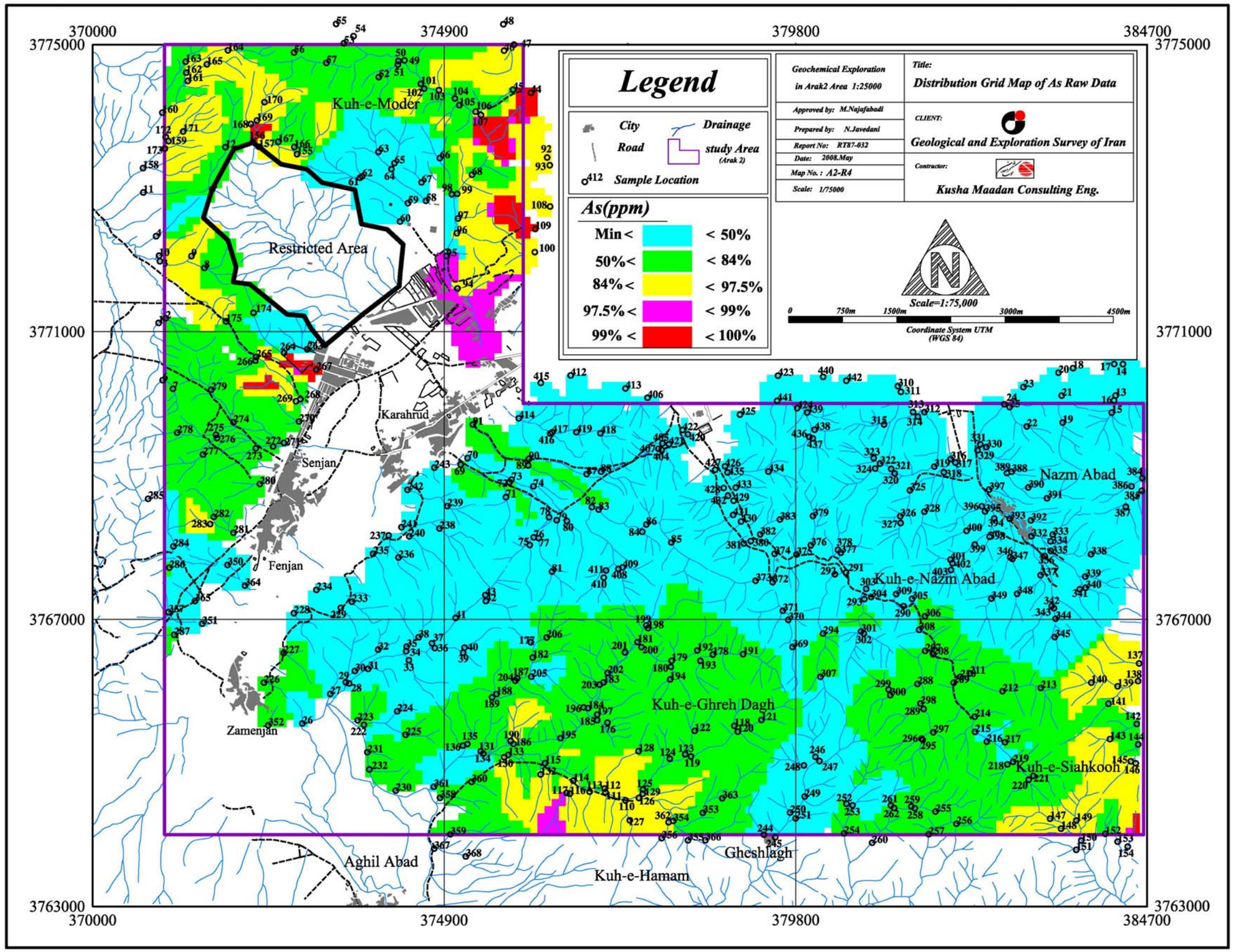
####	Sedimentary Mn	Pos.Score	Neg.Score	Interval S	State
1210	Superior Fe	150	0	150	L
1211	Sedimentary Mn	150	0	150	L
234	PALEOZOIC	100	0	100	R
1074	PYROLUSITE	60	75	135	L
260	INTRACRATONIC	15	0	15	R
614	CHEMICAL SECONDARY ENRICHMENT	15	0	15	L
655	Mn-OXIDES STAINS	15	0	15	L
761	PISOLITIC	15	0	15	L
765	OOLITES	15	0	15	L
774	CHAOTIC LAMINAR	15	0	15	L
	Total	550	75	625	

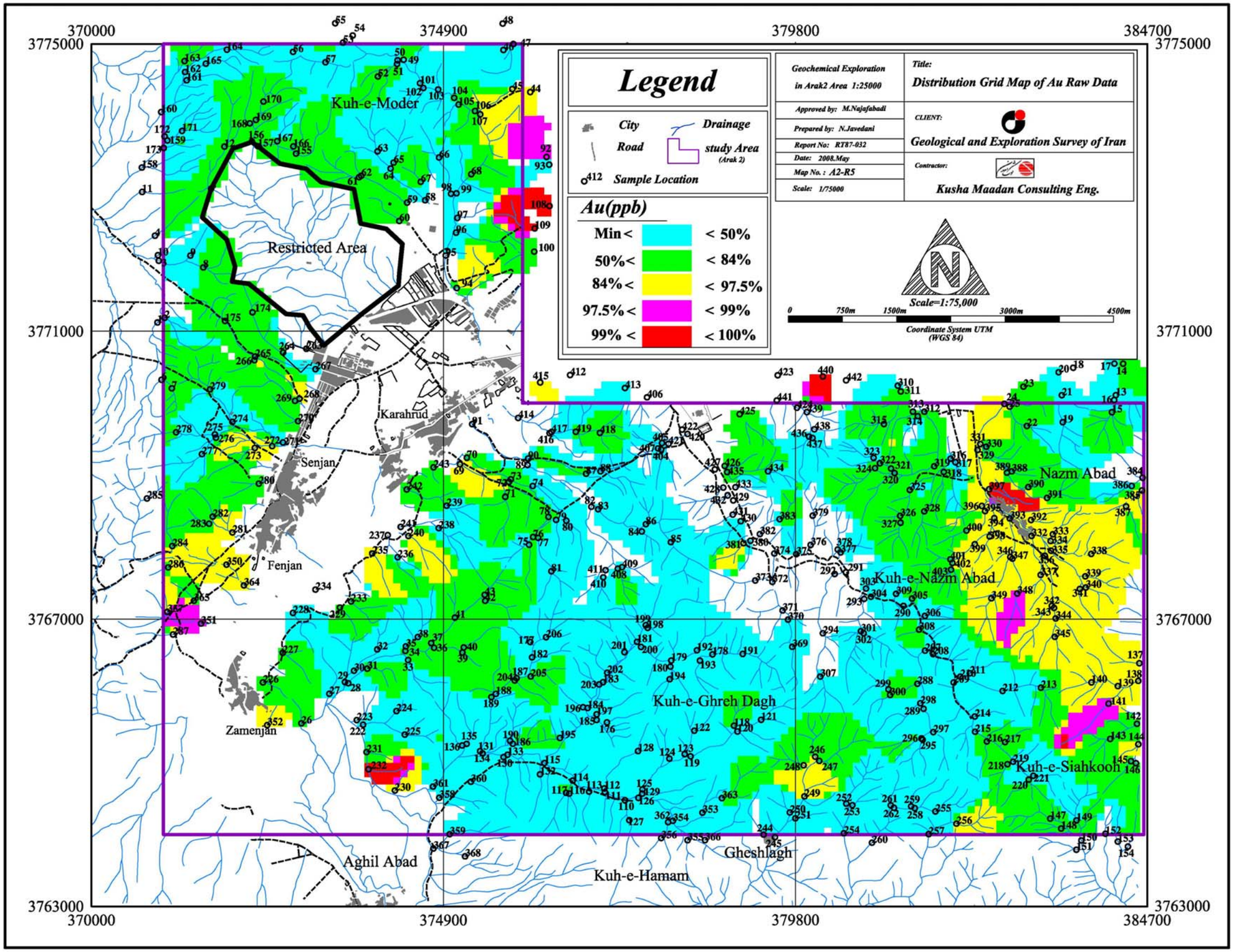
A15ND1

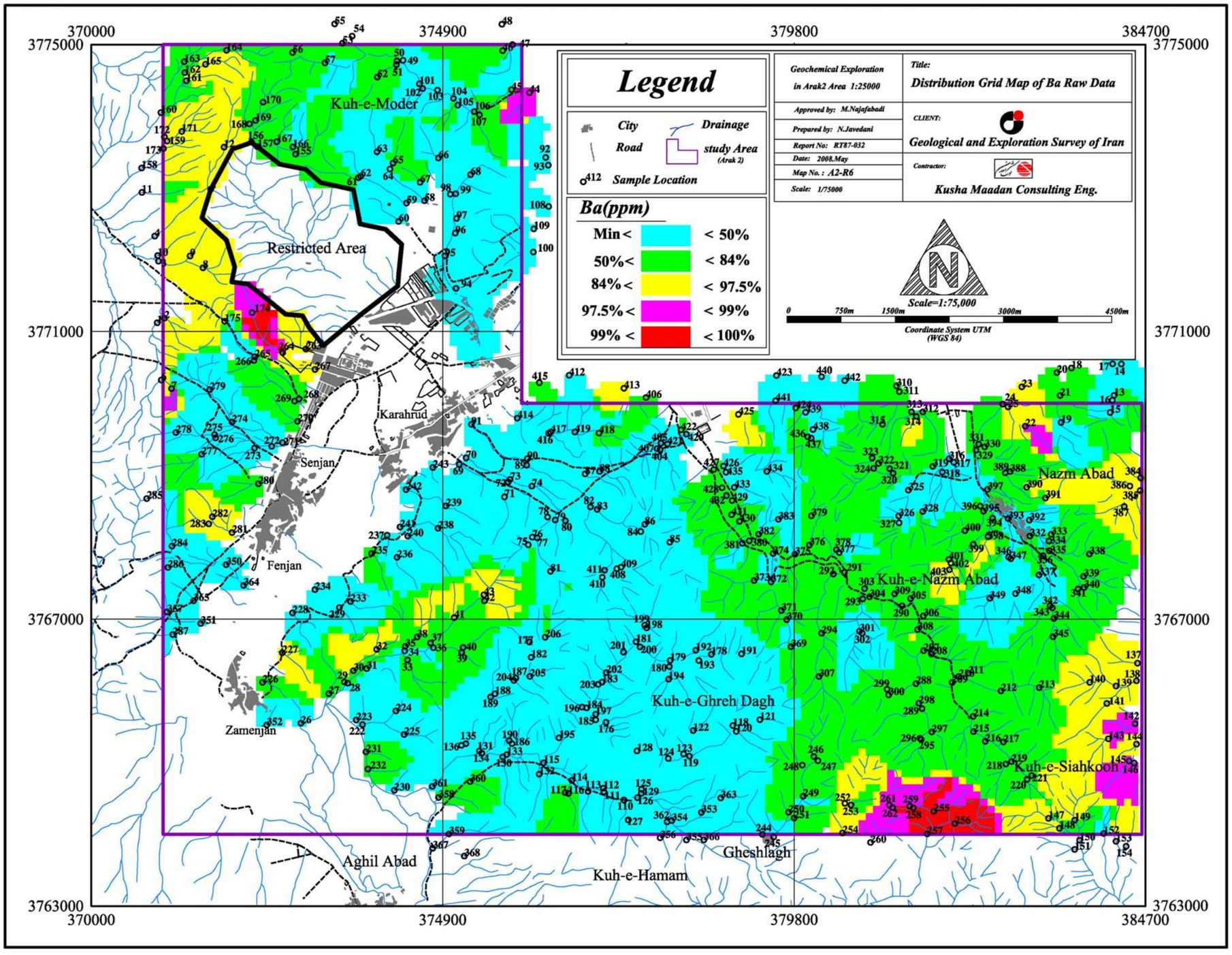
####	Sedimentary Mn	Pos.Score	Neg.Score	Interval S	State
1080	RHODOCHROSITE	60	75	135	nd L
881	V	30	30	60	nd L
1001	GLOUCONITE	30	10	40	nd L
	Total	120	115	235	

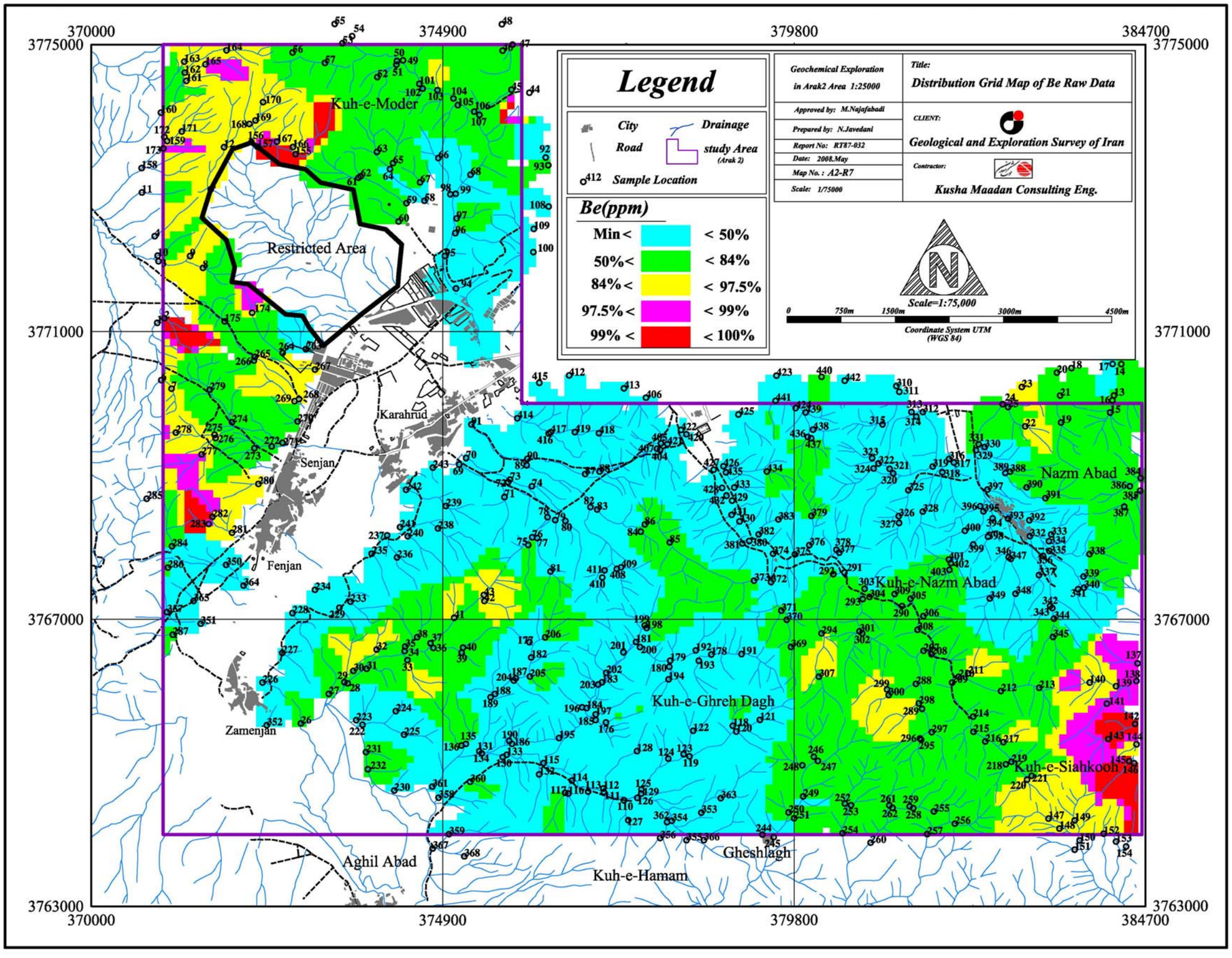

Legend
City
Drainage
Road
study Area (Arak 2)
412 Sample Location
Ag(ppm)
Min < < 50%
50%< < 84%
84%< < 97.5%
97.5%< < 99%
99% < < 100%
Geochemical Exploration in Arak2 Area 1:25000
Title: Distribution Grid Map of Ag Raw Data
Approved by: M.Najafabadi
Prepared by: N.Javedani
Report No: RT87-032
Date: 2008.May
Map No. : A2-R2
Scale: 1/75000
CLIENT: Geological and Exploration Survey of Iran
Contractor: Kusha Maadan Consulting Eng.
Scale=1:75,000
0 750m 1500m 3000m 4500m
Coordinate System UTM (WGS 84)
Restricted Area
Kuh-e-Moder
Karahrud
Senjan
Fenjan
Zamenjan
Aghil Abad
Kuh-e-Ghreh Dagh
Kuh-e-Nazm Abad
Nazm Abad
Kuh-e-Siahkooh
Gheshlagh
Kuh-e-Hamam
370000
374900
379800
384700
3775000
3771000
3767000
3763000

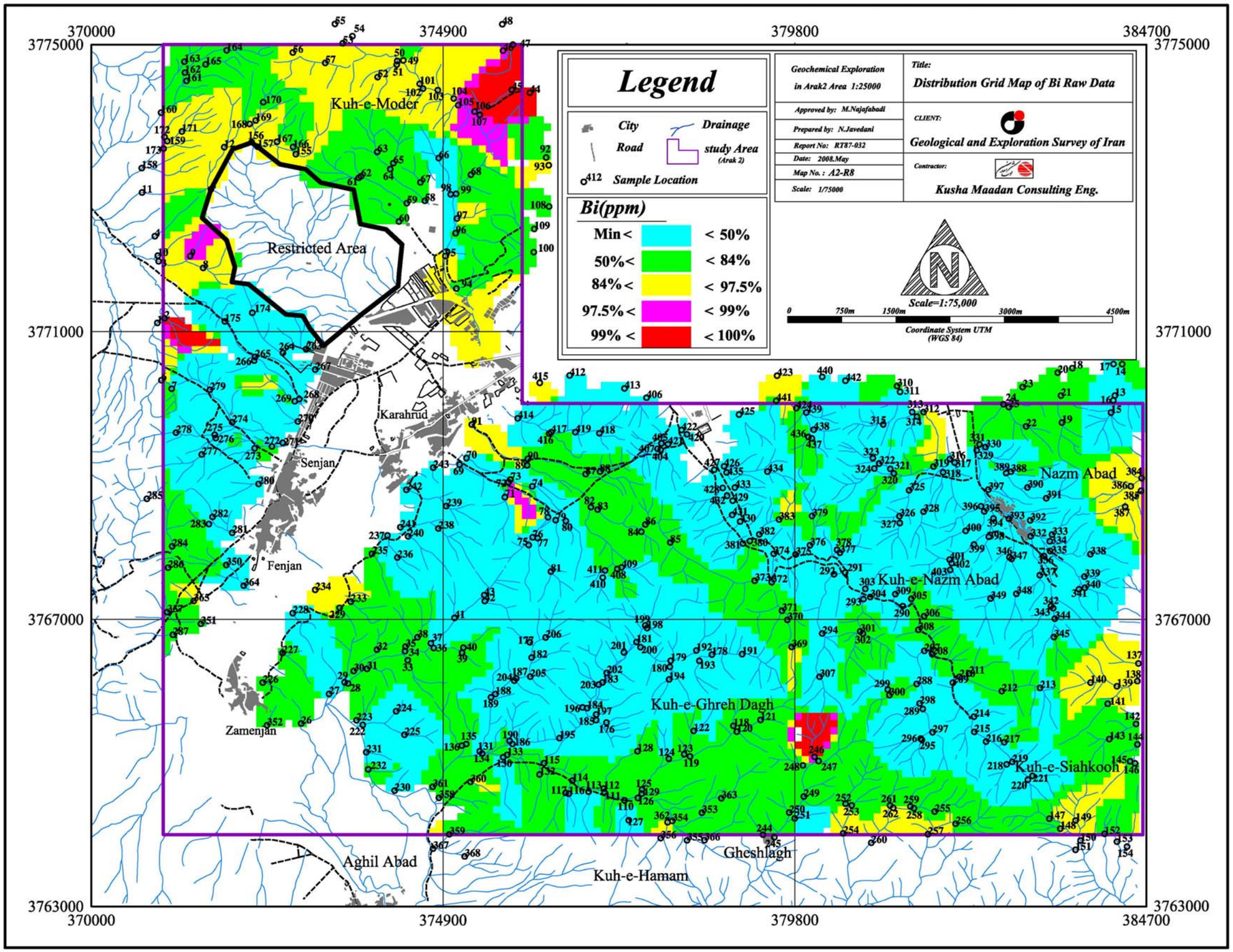

Legend
City
Drainage
Road
study Area
(Arak 2)
412 Sample Location
Al(ppm)
Min < < 50%
50%< < 84%
84%< < 97.5%
97.5%< < 99%
99% < < 100%
Geochemical Exploration
in Arak2 Area 1:25000
Approved by: M.Najafabadi
Prepared by: N.Javedani
Report No: RT87-032
Date: 2008.May
Map No. : A2-R3
Scale: 1/75000
Title:
Distribution Grid Map of Al Raw Data
CLIENT:
Geological and Exploration Survey of Iran
Contractor:
Kusha Maadan Consulting Eng.
N
Scale=1:75,000
0 750m 1500m 3000m 4500m
Coordinate System UTM
(WGS 84)
370000
374900
379800
384700
3775000
3771000
3767000
3763000
Kuh-e-Moder
Restricted Area
Karahrud
Senjan
Fenjan
Zamenjan
Aghil Abad
Kuh-e-Ghreh Dagh
Kuh-e-Hamam
Gheshlagh
Nazm Abad
Kuh-e-Nazm Abad
Kuh-e-Siahkooh

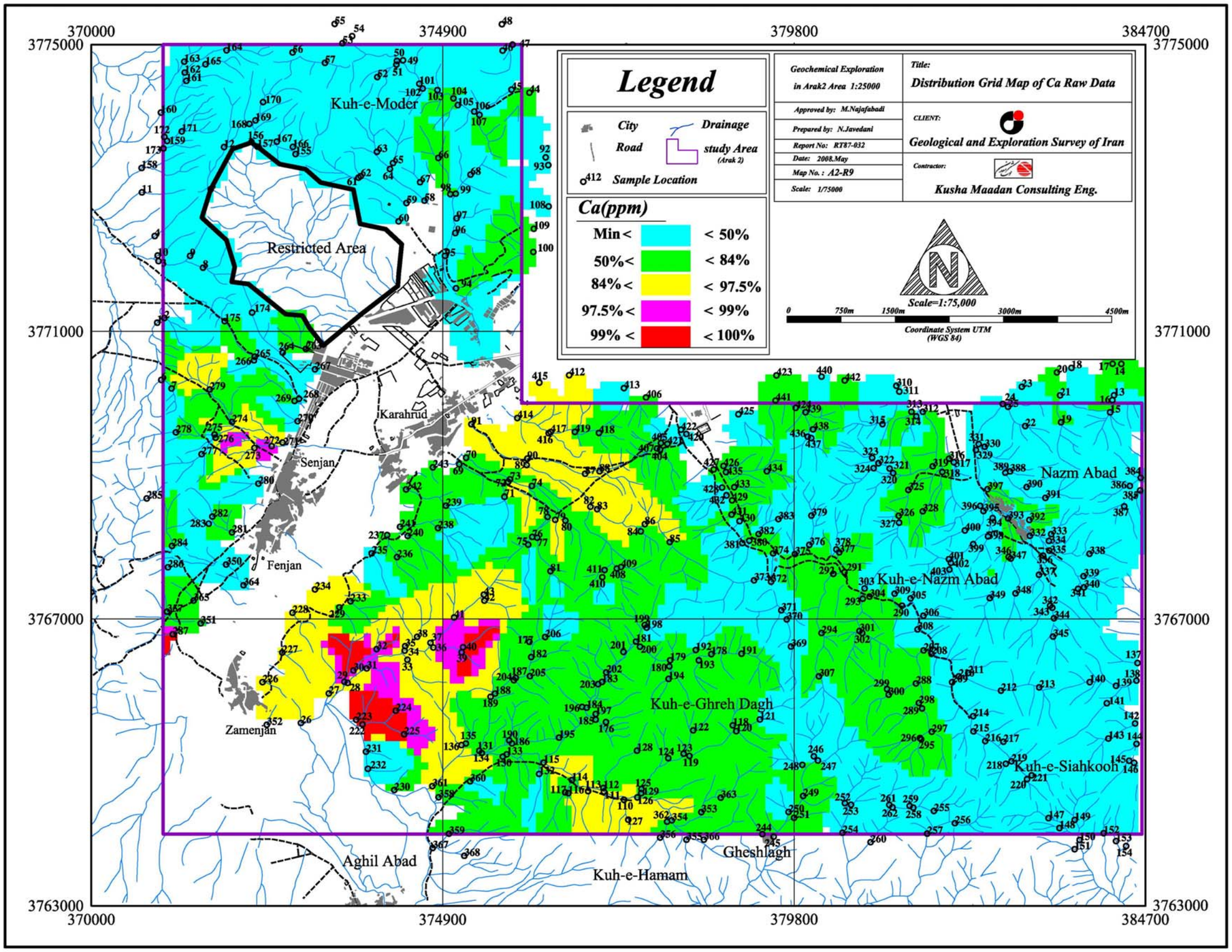

Legend
City
Road
Drainage
study Area
(Arak 2)
412 Sample Location
As(ppm)
Min < < 50%
50%< < 84%
84%< < 97.5%
97.5%< < 99%
99% < < 100%
Geochemical Exploration
in Arak2 Area 1:25000
Approved by: M.Najafabadi
Prepared by: N.Javedani
Report No: RT87-032
Date: 2008.May
Map No. : A2-R4
Scale: 1/75000
Title:
Distribution Grid Map of As Raw Data
CLIENT:
Geological and Exploration Survey of Iran
Contractor:
Kusha Maadan Consulting Eng.
Scale=1:75,000
0 750m 1500m 3000m 4500m
Coordinate System UTM
(WGS 84)
Restricted Area
Kuh-e-Moder
Karahrud
Senjan
Fenjan
Zamenjan
Aghil Abad
Kuh-e-Hamam
Gheshlagh
Kuh-e-Ghreh Dagh
Kuh-e-Nazm Abad
Nazm Abad
Kuh-e-Siahkooh
370000
374900
379800
384700
3775000
3771000
3767000
3763000

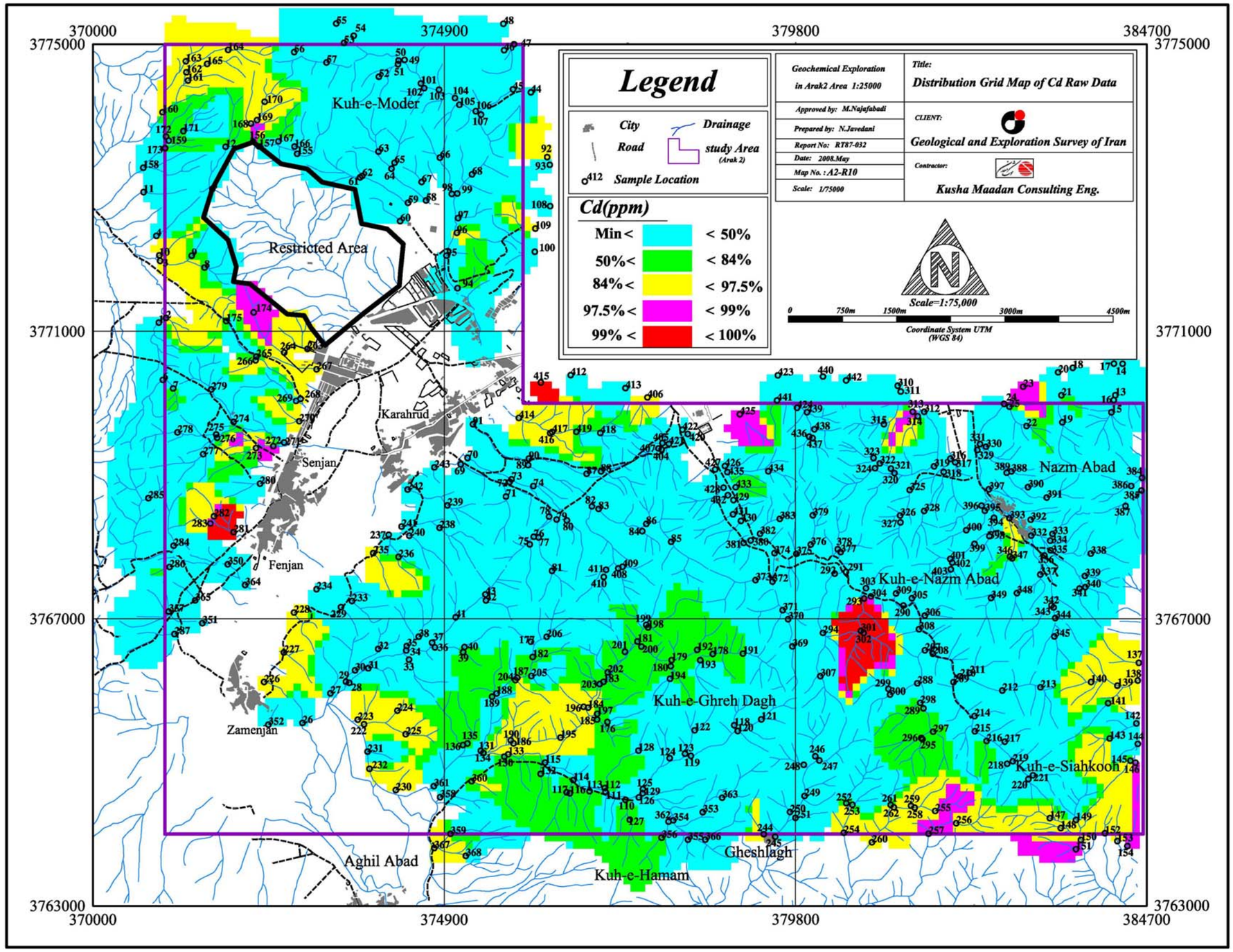

Legend
City
Road
Sample Location
Drainage
study Area
(Arak 2)
Au(ppb)
Min < < 50%
50%< < 84%
84%< < 97.5%
97.5%< < 99%
99% < < 100%
Geochemical Exploration
in Arak2 Area 1:25000
Approved by: M.Najafabadi
Prepared by: N.Javedani
Report No: RT87-032
Date: 2008.May
Map No. : A2-R5
Scale: 1/75000
Title:
Distribution Grid Map of Au Raw Data
CLIENT:
Geological and Exploration Survey of Iran
Contractor:
Kusha Maadan Consulting Eng.
Scale=1:75,000
0 750m 1500m 3000m 4500m
Coordinate System UTM
(WGS 84)
Restricted Area
Kuh-e-Moder
Karahrud
Senjan
Fenjan
Zamenjan
Aghil Abad
Kuh-e-Hamam
Gheshlagh
Kuh-e-Ghreh Dagh
Kuh-e-Nazm Abad
Nazm Abad
Kuh-e-Siahkooh
370000
374900
379800
384700
3775000
3771000
3767000
3763000

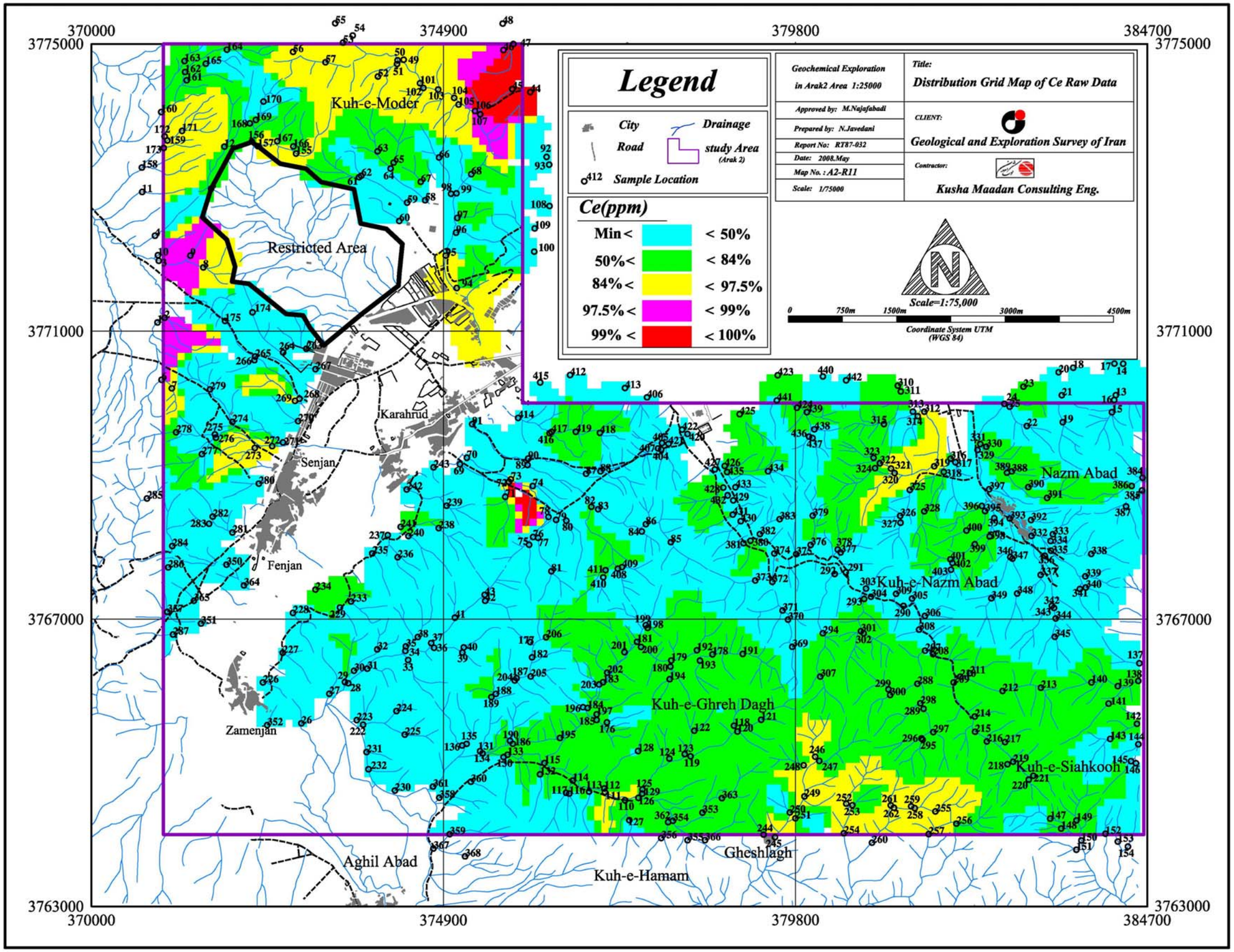

Legend
City
Road
Drainage
study Area
(Arak 2)
412 Sample Location
Ba(ppm)
Min < < 50%
50%< < 84%
84% < < 97.5%
97.5% < < 99%
99% < < 100%
Geochemical Exploration in Arak2 Area 1:25000
Approved by: M.Najafabadi
Prepared by: N.Javedani
Report No: RT87-032
Date: 2008.May
Map No. : A2-R6
Scale: 1/75000
Title:
Distribution Grid Map of Ba Raw Data
CLIENT:
Geological and Exploration Survey of Iran
Contractor:
Kusha Maadan Consulting Eng.
Scale=1:75,000
0 750m 1500m 3000m 4500m
Coordinate System UTM
(WGS 84)
370000
374900
379800
384700
3775000
3771000
3767000
3763000
Kuh-e-Moder
Restricted Area
Karahrud
Senjan
Fenjan
Zamenjan
Aghil Abad
Kuh-e-Hamam
Gheshlagh
Kuh-e-Ghreh Dagh
Kuh-e-Nazm Abad
Nazm Abad
Kuh-e-Siahkooh

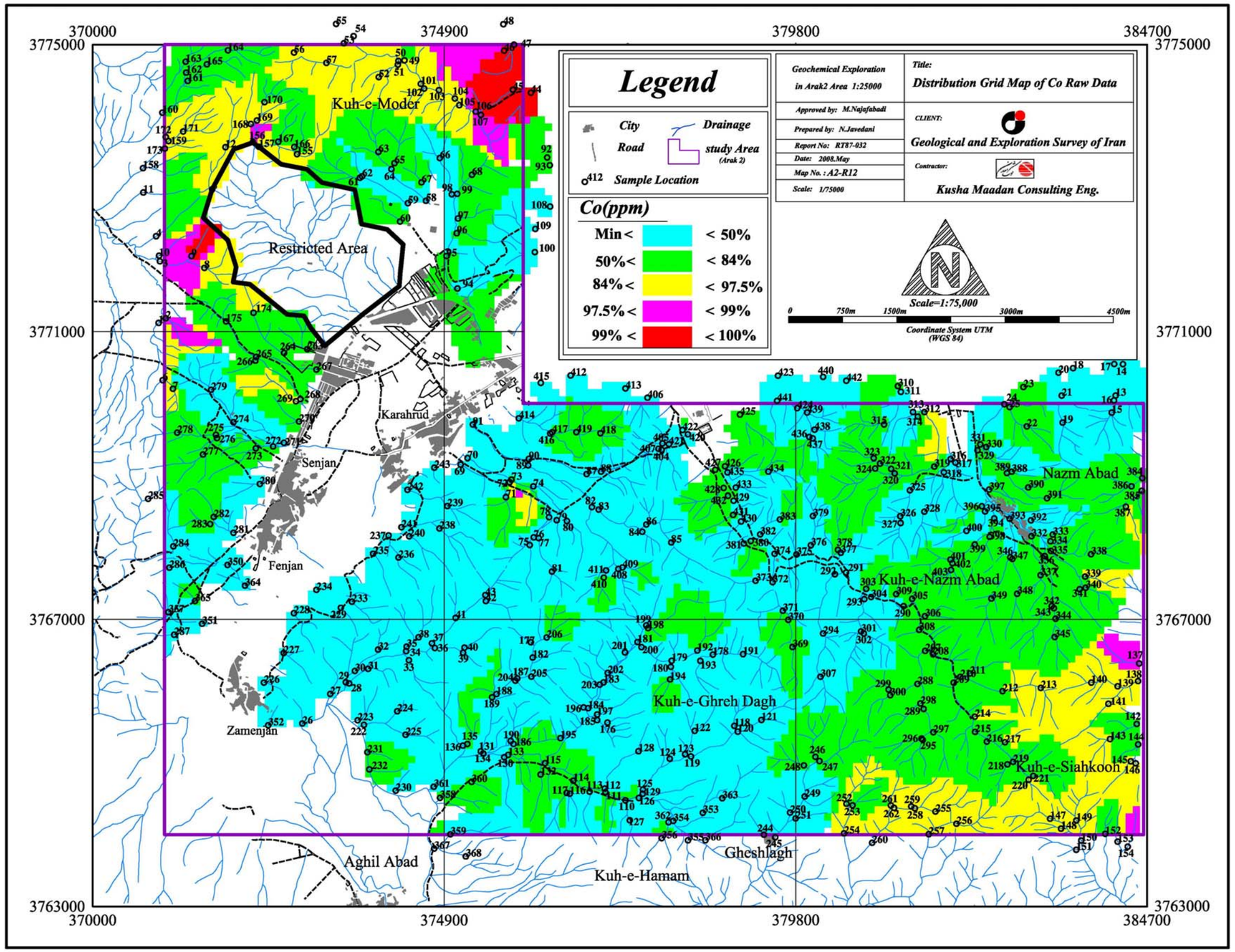

Legend
City
Road
Sample Location
Drainage
study Area
(Arak 2)
Be(ppm)
Min < < 50%
50%< < 84%
84%< < 97.5%
97.5%< < 99%
99% < < 100%
Geochemical Exploration
in Arak2 Area 1:25000
Approved by: M.Najafabadi
Prepared by: N.Javedani
Report No: RT87-032
Date: 2008.May
Map No. : A2-R7
Scale: 1/75000
Title:
Distribution Grid Map of Be Raw Data
CLIENT:
Geological and Exploration Survey of Iran
Contractor:
Kusha Maadan Consulting Eng.
Scale=1:75,000
0 750m 1500m 3000m 4500m
Coordinate System UTM
(WGS 84)
Restricted Area
Kuh-e-Moder
Karahrud
Senjan
Fenjan
Zamenjan
Aghil Abad
Kuh-e-Ghreh Dagh
Kuh-e-Hamam
Gheshlagh
Kuh-e-Nazm Abad
Nazm Abad
Kuh-e-Siahkooh
370000
374900
379800
384700
3775000
3771000
3767000
3763000

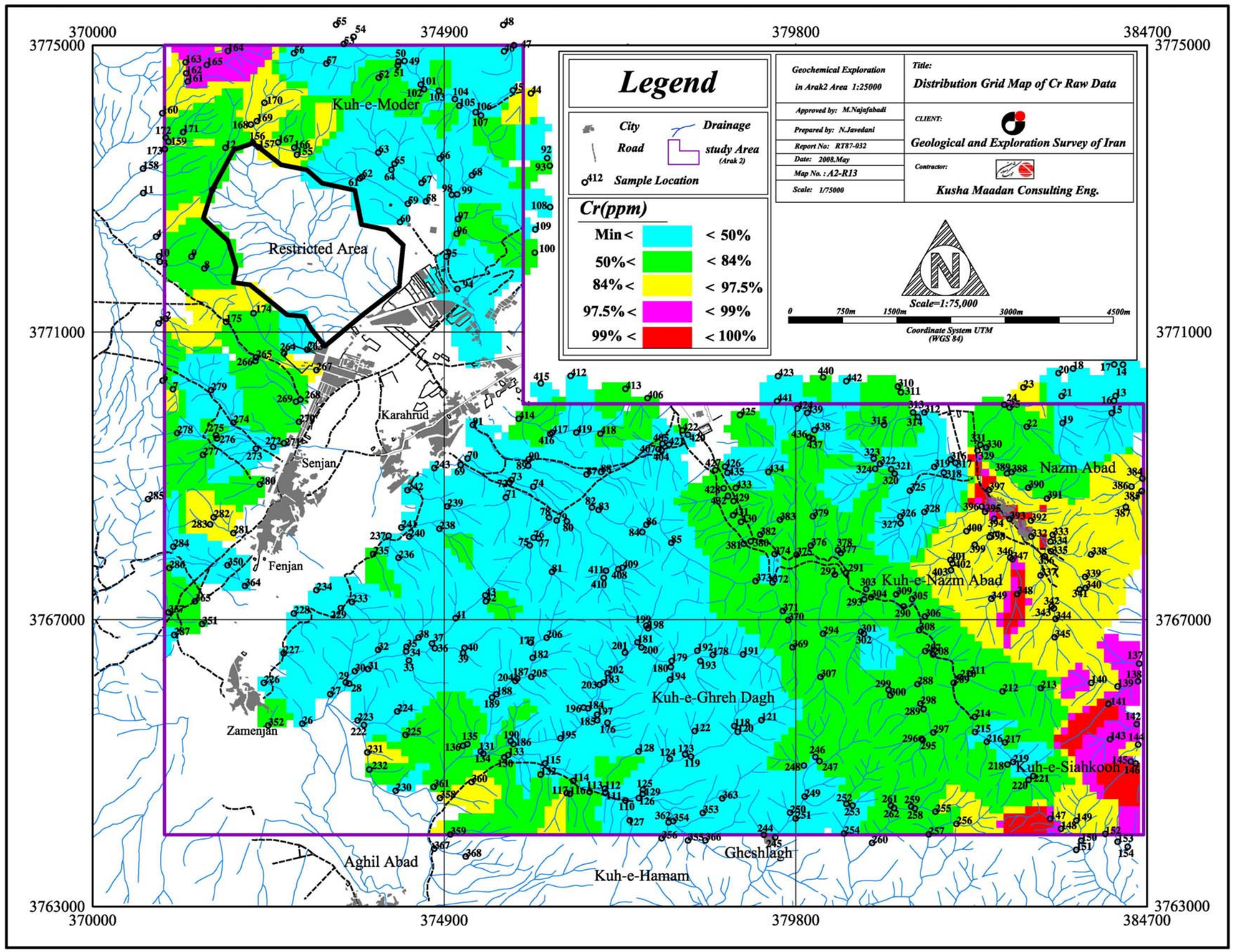

Legend
City
Road
Drainage
study Area
(Arak 2)
412 Sample Location
Bi(ppm)
Min < < 50%
50%< < 84%
84%< < 97.5%
97.5%< < 99%
99% < < 100%
Geochemical Exploration
in Arak2 Area 1:25000
Approved by: M.Najafabadi
Prepared by: N.Javedani
Report No: RT87-032
Date: 2008.May
Map No. : A2-R8
Scale: 1/75000
Title:
Distribution Grid Map of Bi Raw Data
CLIENT:
Geological and Exploration Survey of Iran
Contractor:
Kusha Maadan Consulting Eng.
N
Scale=1:75,000
0 750m 1500m 3000m 4500m
Coordinate System UTM
(WGS 84)
Restricted Area
Kuh-e-Moder
Karahrud
Senjan
Fenjan
Zamenjan
Aghil Abad
Kuh-e-Ghreh Dagh
Kuh-e-Hamam
Gheshlagh
Nazm Abad
Kuh-e-Nazm Abad
Kuh-e-Siahkooh
370000
374900
379800
384700
3775000
3771000
3767000
3763000

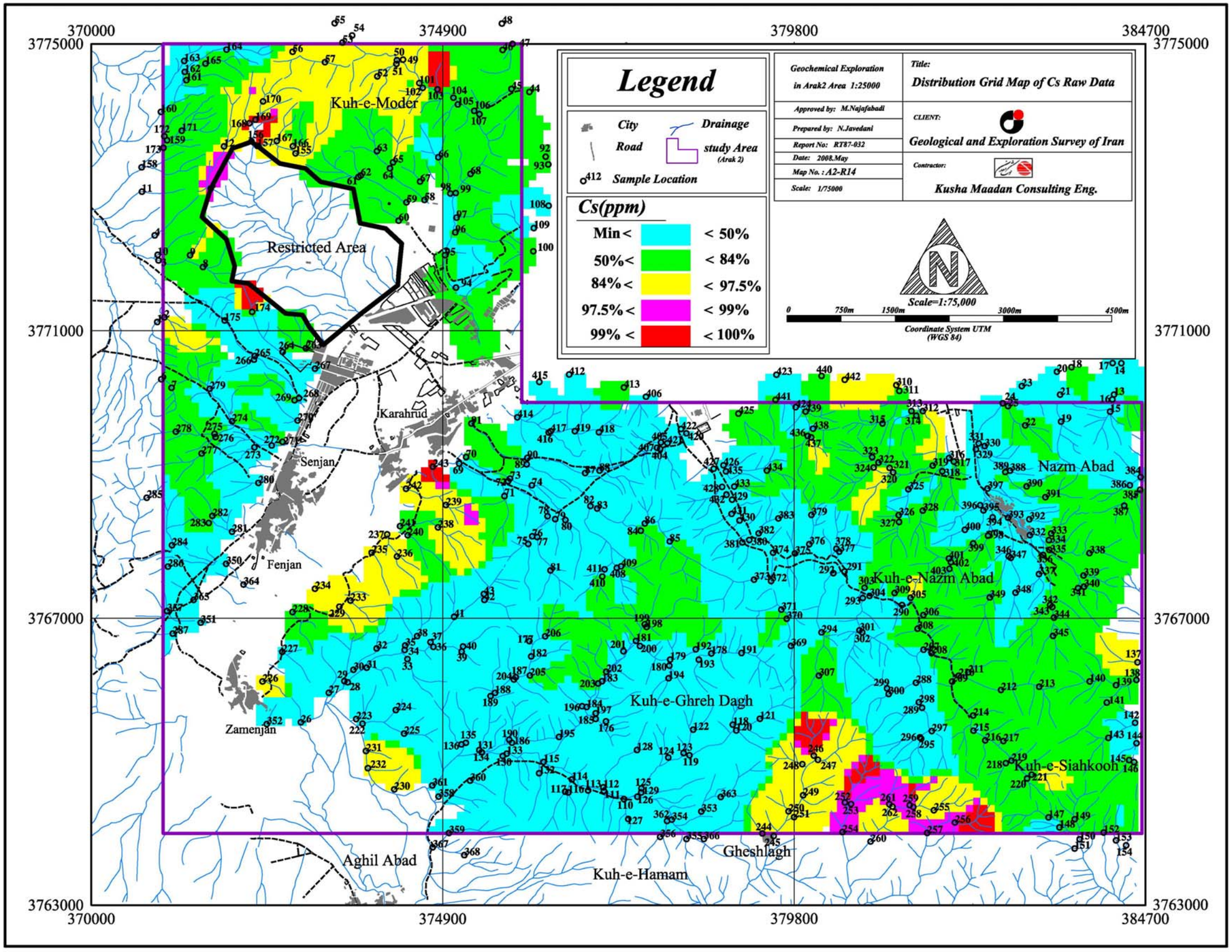

Legend
City
Road
Drainage
study Area
(Arak 2)
412 Sample Location
Ca(ppm)
Min < < 50%
50%< < 84%
84% < < 97.5%
97.5% < < 99%
99% < < 100%
Geochemical Exploration
in Arak2 Area 1:25000
Approved by: M.Najafabadi
Prepared by: N.Javedani
Report No: RT87-032
Date: 2008.May
Map No. : A2-R9
Scale: 1/75000
Title:
Distribution Grid Map of Ca Raw Data
CLIENT:
Geological and Exploration Survey of Iran
Contractor:
Kusha Maadan Consulting Eng.
Scale=1:75,000
0 750m 1500m 3000m 4500m
Coordinate System UTM
(WGS 84)
370000
374900
379800
384700
3775000
3771000
3767000
3763000
Kuh-e-Moder
Restricted Area
Karahrud
Senjan
Fenjan
Zamenjan
Aghil Abad
Kuh-e-Hamam
Kuh-e-Ghreh Dagh
Gheshlagh
Kuh-e-Nazm Abad
Nazm Abad
Kuh-e-Siahkooh

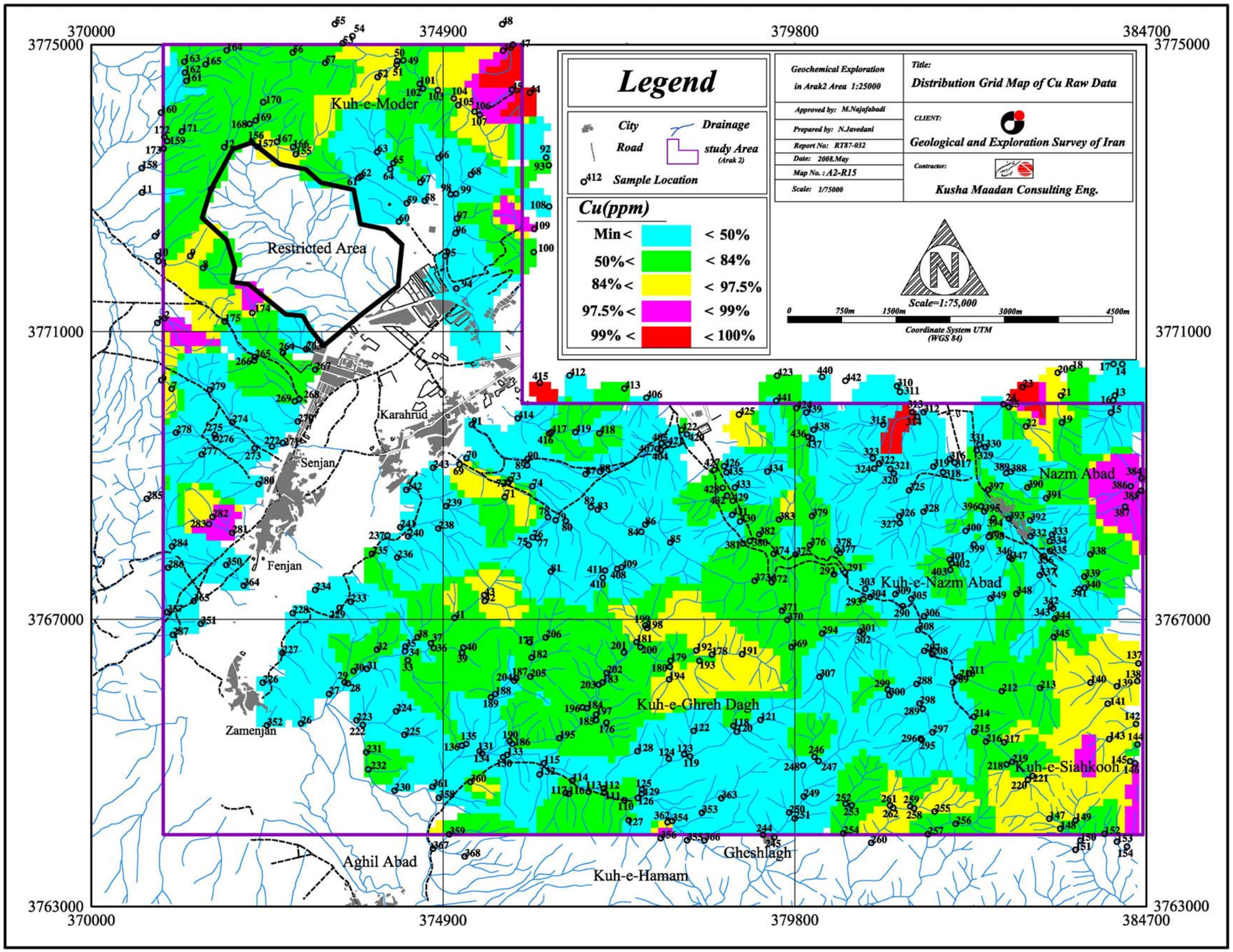

Legend
City
Drainage
Road
study Area (Arak 2)
412 Sample Location
Cd(ppm)
Min < < 50%
50%< < 84%
84%< < 97.5%
97.5%< < 99%
99% < < 100%
Geochemical Exploration in Arak2 Area 1:25000
Title: Distribution Grid Map of Cd Raw Data
Approved by: M.Najafabadi
Prepared by: N.Javedani
Report No: RT87-032
Date: 2008.May
Map No. : A2-R10
Scale: 1/75000
CLIENT: Geological and Exploration Survey of Iran
Contractor: Kusha Maadan Consulting Eng.
Scale=1:75,000
0 750m 1500m 3000m 4500m
Coordinate System UTM (WGS 84)
370000
374900
379800
384700
3775000
3771000
3767000
3763000
Restricted Area
Kuh-e-Moder
Karahrud
Senjan
Fenjan
Zamenjan
Aghil Abad
Kuh-e-Ghreh Dagh
Kuh-e-Hamam
Gheshlagh
Kuh-e-Nazm Abad
Nazm Abad
Kuh-e-Siahkooh

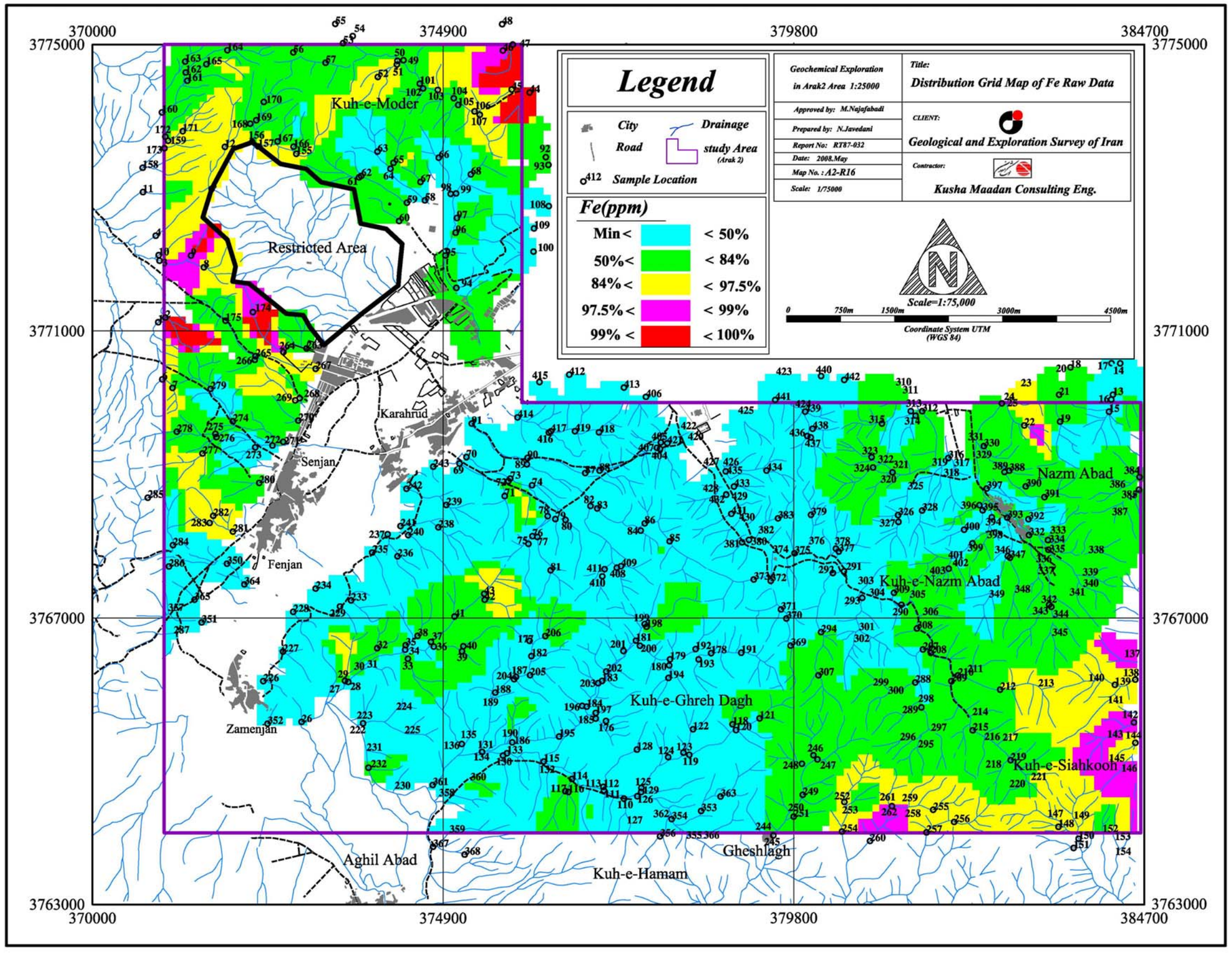

Legend
City
Road
Drainage
study Area
(Arak 2)
412 Sample Location
Ce(ppm)
Min < < 50%
50%< < 84%
84%< < 97.5%
97.5%< < 99%
99% < < 100%
Geochemical Exploration
in Arak2 Area 1:25000
Approved by: M.Najafabadi
Prepared by: N.Javedani
Report No: RT87-032
Date: 2008.May
Map No. : A2-R11
Scale: 1/75000
Title:
Distribution Grid Map of Ce Raw Data
CLIENT:
Geological and Exploration Survey of Iran
Contractor:
Kusha Maadan Consulting Eng.
Scale=1:75,000
0 750m 1500m 3000m 4500m
Coordinate System UTM
(WGS 84)
370000
374900
379800
384700
3775000
3771000
3767000
3763000
Kuh-e-Moder
Restricted Area
Karahrud
Senjan
Fenjan
Zamenjan
Aghil Abad
Kuh-e-Hamam
Kuh-e-Ghreh Dagh
Gheshlagh
Kuh-e-Nazm Abad
Nazm Abad
Kuh-e-Siahkooh

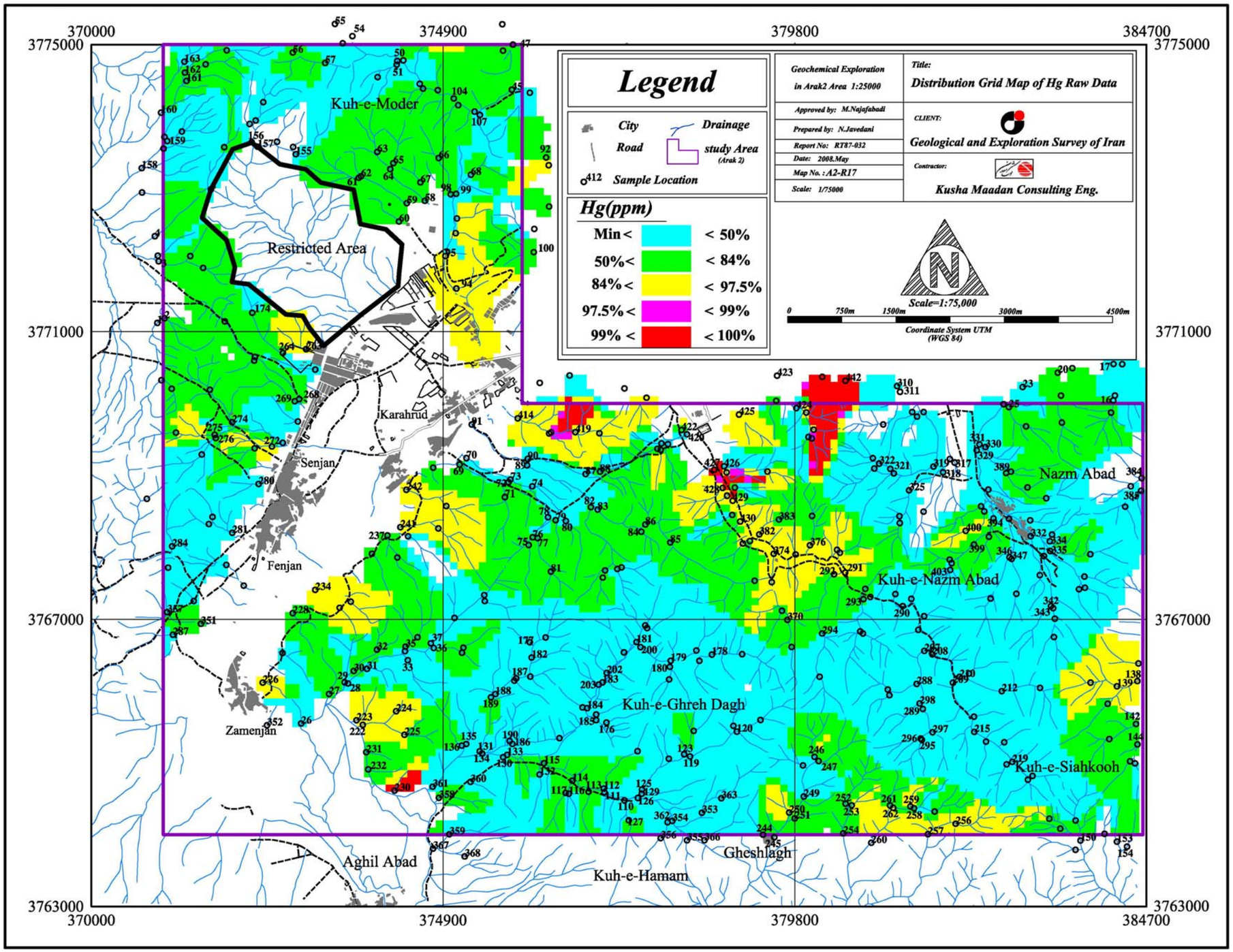

Legend
City
Road
Drainage
study Area
(Arak 2)
412 Sample Location
Co(ppm)
Min < < 50%
50%< < 84%
84%< < 97.5%
97.5%< < 99%
99% < < 100%
Geochemical Exploration
in Arak2 Area 1:25000
Approved by: M.Najafabadi
Prepared by: N.Javedani
Report No: RT87-032
Date: 2008.May
Map No. : A2-R12
Scale: 1/75000
Title:
Distribution Grid Map of Co Raw Data
CLIENT:
Geological and Exploration Survey of Iran
Contractor:
Kusha Maadan Consulting Eng.
Scale=1:75,000
0 750m 1500m 3000m 4500m
Coordinate System UTM
(WGS 84)
Restricted Area
Kuh-e-Moder
Karahrud
Senjan
Fenjan
Zamenjan
Aghil Abad
Kuh-e-Hamam
Gheshlagh
Kuh-e-Ghreh Dagh
Kuh-e-Nazm Abad
Nazm Abad
Kuh-e-Siahkooh
370000
374900
379800
384700
3775000
3771000
3767000
3763000

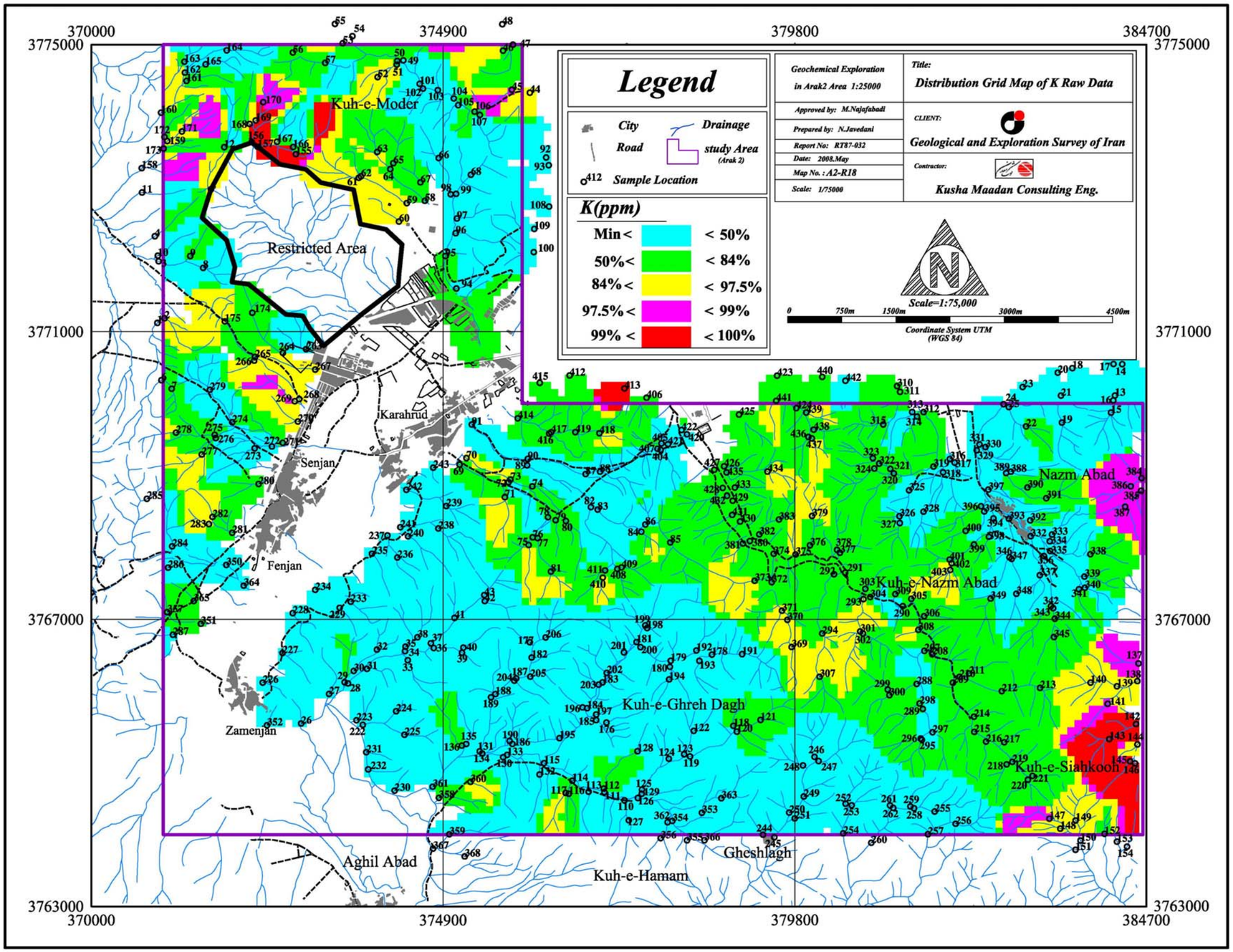

Legend
City
Road
Drainage
study Area
(Arak 2)
412 Sample Location
Cr(ppm)
Min < < 50%
50%< < 84%
84% < < 97.5%
97.5% < < 99%
99% < < 100%
Geochemical Exploration
in Arak2 Area 1:25000
Approved by: M.Najafabadi
Prepared by: N.Javedani
Report No: RT87-032
Date: 2008.May
Map No. : A2-R13
Scale: 1/75000
Title:
Distribution Grid Map of Cr Raw Data
CLIENT:
Geological and Exploration Survey of Iran
Contractor:
Kusha Maadan Consulting Eng.
Scale=1:75,000
0 750m 1500m 3000m 4500m
Coordinate System UTM
(WGS 84)
370000
374900
379800
384700
3775000
3771000
3767000
3763000
Kuh-e-Moder
Restricted Area
Karahrud
Senjan
Fenjan
Zamenjan
Aghil Abad
Kuh-e-Ghreh Dagh
Kuh-e-Hamam
Gheshlagh
Nazm Abad
Kuh-e-Nazm Abad
Kuh-e-Siahkooh

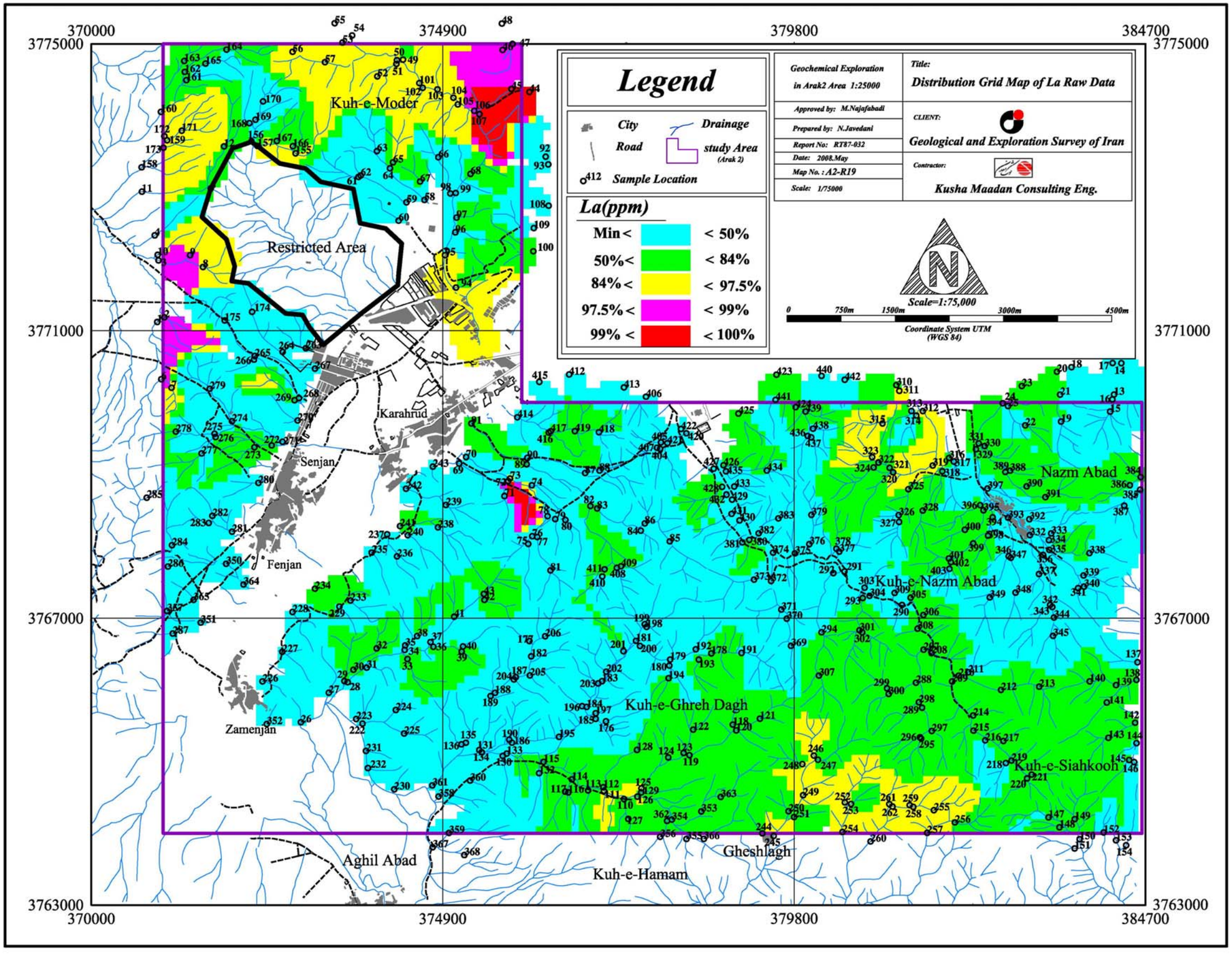

Legend
City
Road
Drainage
study Area
(Arak 2)
412 Sample Location
Cs(ppm)
Min < < 50%
50%< < 84%
84%< < 97.5%
97.5%< < 99%
99% < < 100%
Geochemical Exploration
in Arak2 Area 1:25000
Approved by: M.Najafabadi
Prepared by: N.Javedani
Report No: RT87-032
Date: 2008.May
Map No. : A2-R14
Scale: 1/75000
Title:
Distribution Grid Map of Cs Raw Data
CLIENT:
Geological and Exploration Survey of Iran
Contractor:
Kusha Maadan Consulting Eng.
Scale=1:75,000
0 750m 1500m 3000m 4500m
Coordinate System UTM
(WGS 84)
370000
374900
379800
384700
3775000
3771000
3767000
3763000
Kuh-e-Moder
Restricted Area
Karahrud
Senjan
Fenjan
Zamenjan
Aghil Abad
Kuh-e-Ghreh Dagh
Kuh-e-Hamam
Gheshlagh
Nazm Abad
Kuh-e-Nazm Abad
Kuh-e-Siahkooh

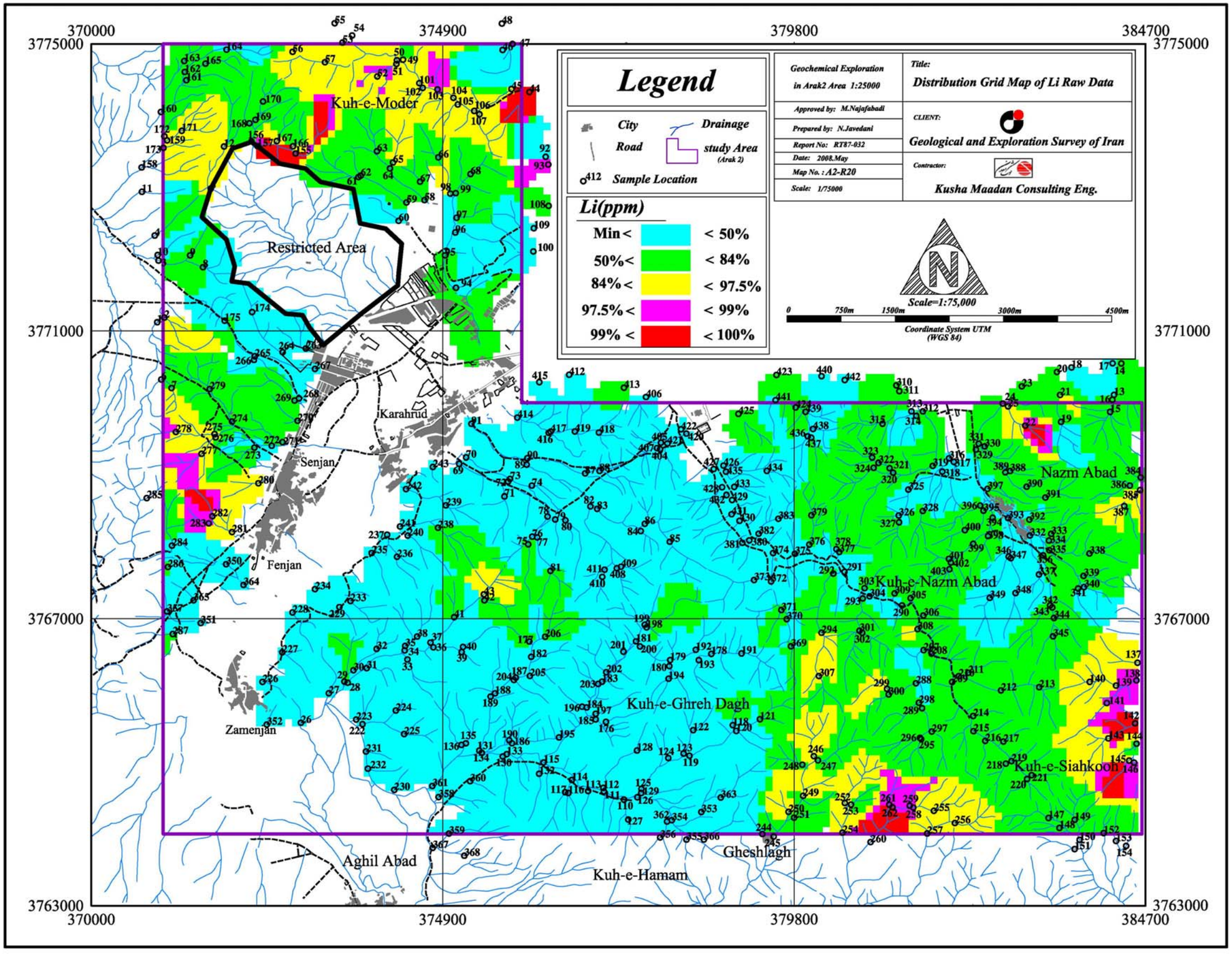

Legend
City
Road
Sample Location
Drainage
study Area
(Arak 2)
Cu(ppm)
Min < < 50%
50%< < 84%
84%< < 97.5%
97.5%< < 99%
99% < < 100%
Geochemical Exploration
in Arak2 Area 1:25000
Approved by: M.Najafabadi
Prepared by: N.Javedani
Report No: RT87-032
Date: 2008.May
Map No. : A2-R15
Scale: 1/75000
Title:
Distribution Grid Map of Cu Raw Data
CLIENT:
Geological and Exploration Survey of Iran
Contractor:
Kusha Maadan Consulting Eng.
Scale=1:75,000
0 750m 1500m 3000m 4500m
Coordinate System UTM
(WGS 84)
Restricted Area
Kuh-e-Moder
Karahrud
Senjan
Fenjan
Zamenjan
Aghil Abad
Kuh-e-Ghreh Dagh
Kuh-e-Nazm Abad
Nazm Abad
Kuh-e-Siahkooh
Gheshlagh
Kuh-e-Hamam
370000
374900
379800
384700
3775000
3771000
3767000
3763000

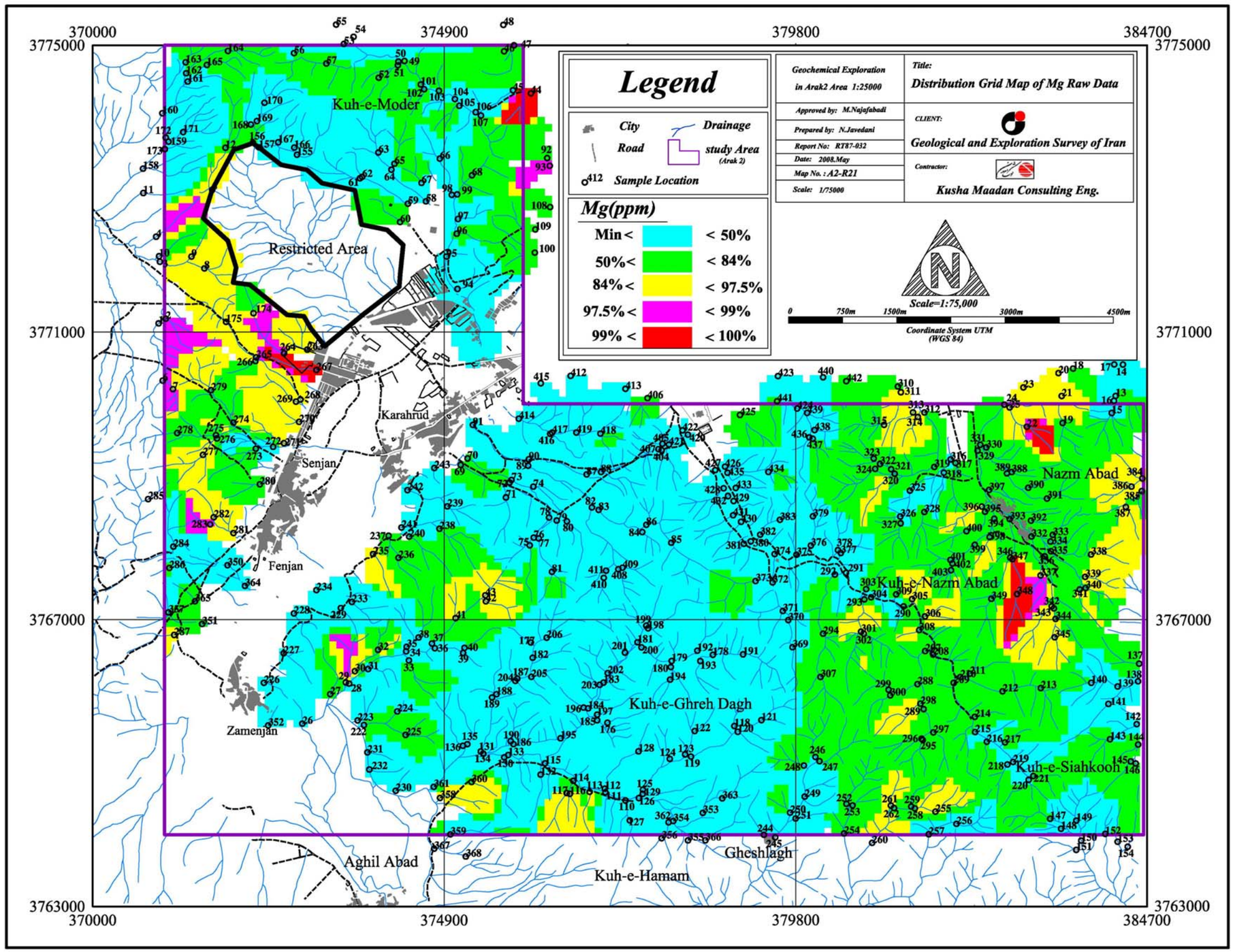

Legend
City
Road
Drainage
study Area
(Arak 2)
412 Sample Location
Fe(ppm)
Min < < 50%
50%< < 84%
84%< < 97.5%
97.5%< < 99%
99% < < 100%
Geochemical Exploration
in Arak2 Area 1:25000
Approved by: M.Najafabadi
Prepared by: N.Javedani
Report No: RT87-032
Date: 2008.May
Map No. : A2-R16
Scale: 1/75000
Title:
Distribution Grid Map of Fe Raw Data
CLIENT:
Geological and Exploration Survey of Iran
Contractor:
Kusha Maadan Consulting Eng.
N
Scale=1:75,000
0 750m 1500m 3000m 4500m
Coordinate System UTM
(WGS 84)
370000
374900
379800
384700
3775000
3771000
3767000
3763000
Kuh-e-Moder
Restricted Area
Karahrud
Senjan
Fenjan
Zamenjan
Aghil Abad
Kuh-e-Ghreh Dagh
Kuh-e-Hamam
Gheshlagh
Nazm Abad
Kuh-e-Nazm Abad
Kuh-e-Siahkooh

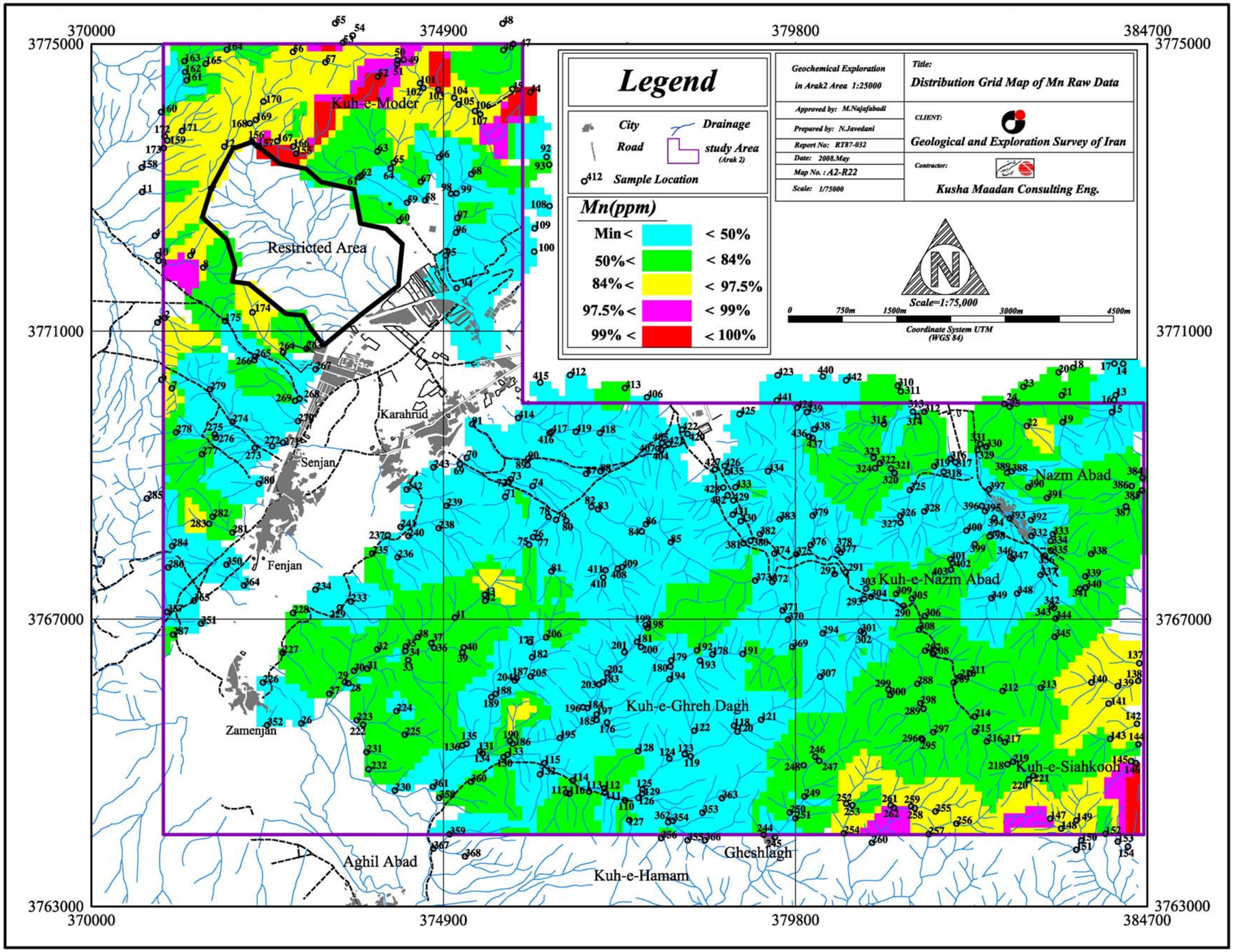

Legend
City
Road
Drainage
study Area
(Arak 2)
412 Sample Location
Hg(ppm)
Min < < 50%
50%< < 84%
84%< < 97.5%
97.5%< < 99%
99% < < 100%
Geochemical Exploration
in Arak2 Area 1:25000
Approved by: M.Najafabadi
Prepared by: N.Javedani
Report No: RT87-032
Date: 2008.May
Map No. : A2-R17
Scale: 1/75000
Title:
Distribution Grid Map of Hg Raw Data
CLIENT:
Geological and Exploration Survey of Iran
Contractor:
Kusha Maadan Consulting Eng.
Scale=1:75,000
0 750m 1500m 3000m 4500m
Coordinate System UTM
(WGS 84)
370000
374900
379800
384700
3775000
3771000
3767000
3763000
Kuh-e-Moder
Restricted Area
Karahrud
Senjan
Fenjan
Zamenjan
Aghil Abad
Kuh-e-Ghreh Dagh
Kuh-e-Hamam
Gheshlagh
Nazm Abad
Kuh-e-Nazm Abad
Kuh-e-Siahkooh

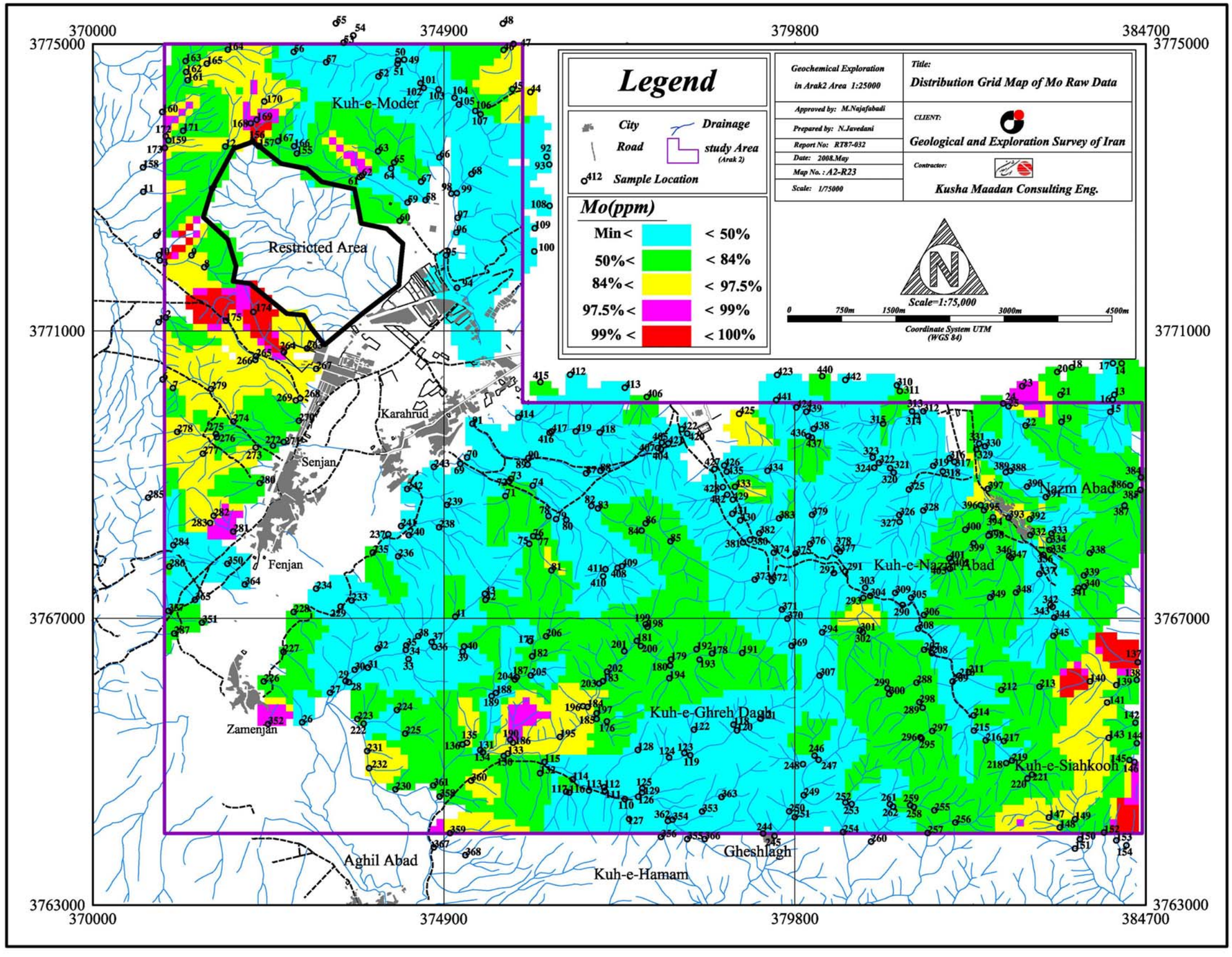

Legend
City
Road
Drainage
study Area
(Arak 2)
412 Sample Location
K(ppm)
Min < < 50%
50%< < 84%
84%< < 97.5%
97.5%< < 99%
99% < < 100%
Geochemical Exploration in Arak2 Area 1:25000
Approved by: M.Najafabadi
Prepared by: N.Javedani
Report No: RT87-032
Date: 2008.May
Map No. : A2-R18
Scale: 1/75000
Title:
Distribution Grid Map of K Raw Data
CLIENT:
Geological and Exploration Survey of Iran
Contractor:
Kusha Maadan Consulting Eng.
Scale=1:75,000
0 750m 1500m 3000m 4500m
Coordinate System UTM
(WGS 84)
370000
374900
379800
384700
3775000
3771000
3767000
3763000
Kuh-e-Moder
Restricted Area
Karahrud
Senjan
Fenjan
Zamenjan
Aghil Abad
Kuh-e-Ghreh Dagh
Kuh-e-Hamam
Gheshlagh
Nazm Abad
Kuh-e-Nazm Abad
Kuh-e-Siahkooh

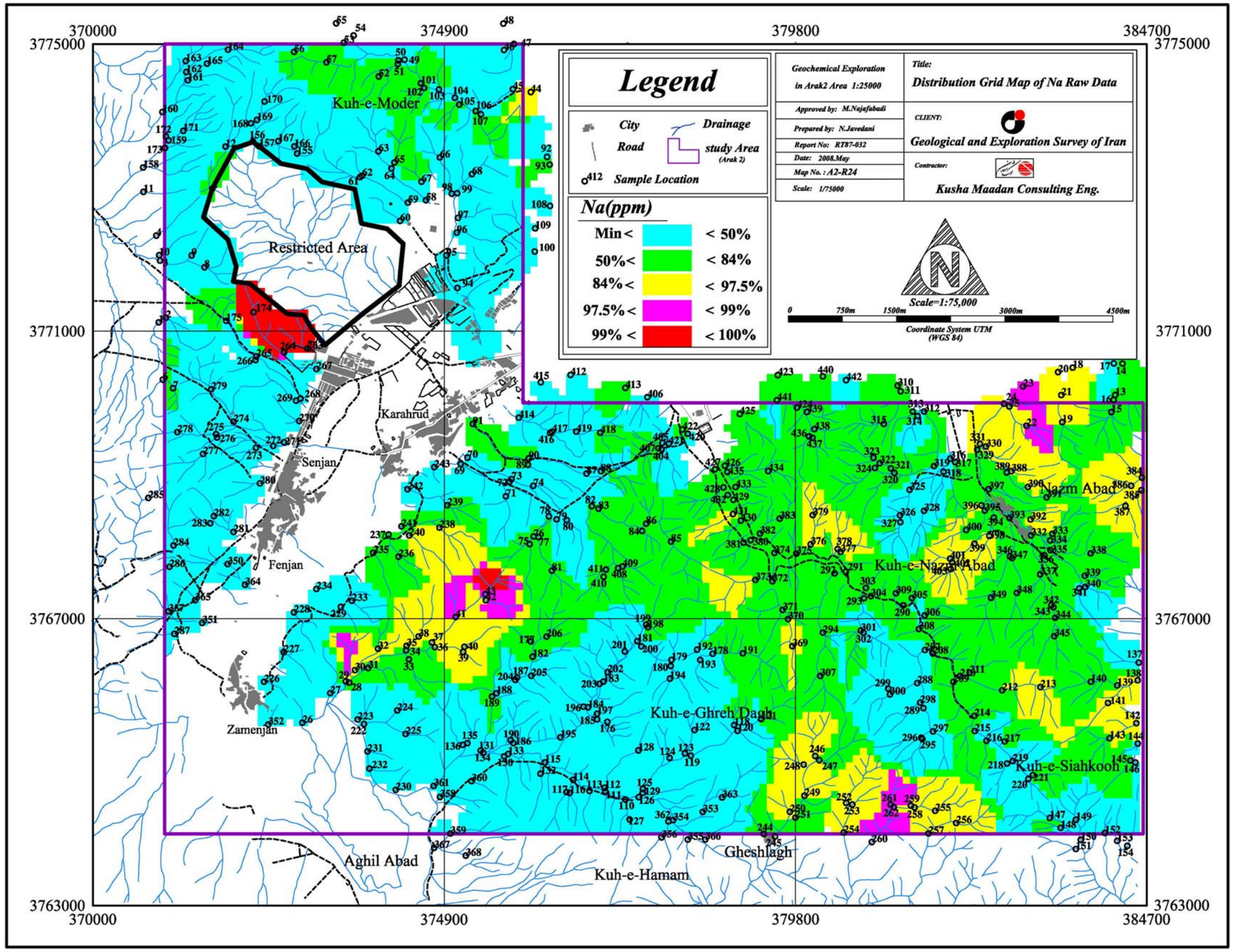

Legend
City
Road
Drainage
study Area
(Arak 2)
412 Sample Location
La(ppm)
Min < < 50%
50%< < 84%
84%< < 97.5%
97.5%< < 99%
99% < < 100%
Geochemical Exploration
in Arak2 Area 1:25000
Approved by: M.Najafabadi
Prepared by: N.Javedani
Report No: RT87-032
Date: 2008.May
Map No. : A2-R19
Scale: 1/75000
Title:
Distribution Grid Map of La Raw Data
CLIENT:
Geological and Exploration Survey of Iran
Contractor:
Kusha Maadan Consulting Eng.
N
Scale=1:75,000
0 750m 1500m 3000m 4500m
Coordinate System UTM
(WGS 84)
370000
374900
379800
384700
3775000
3771000
3767000
3763000
Kuh-e-Moder
Restricted Area
Karahrud
Senjan
Fenjan
Zamenjan
Aghil Abad
Kuh-e-Ghreh Dagh
Kuh-e-Hamam
Gheshlagh
Nazm Abad
Kuh-e-Nazm Abad
Kuh-e-Siahkooh

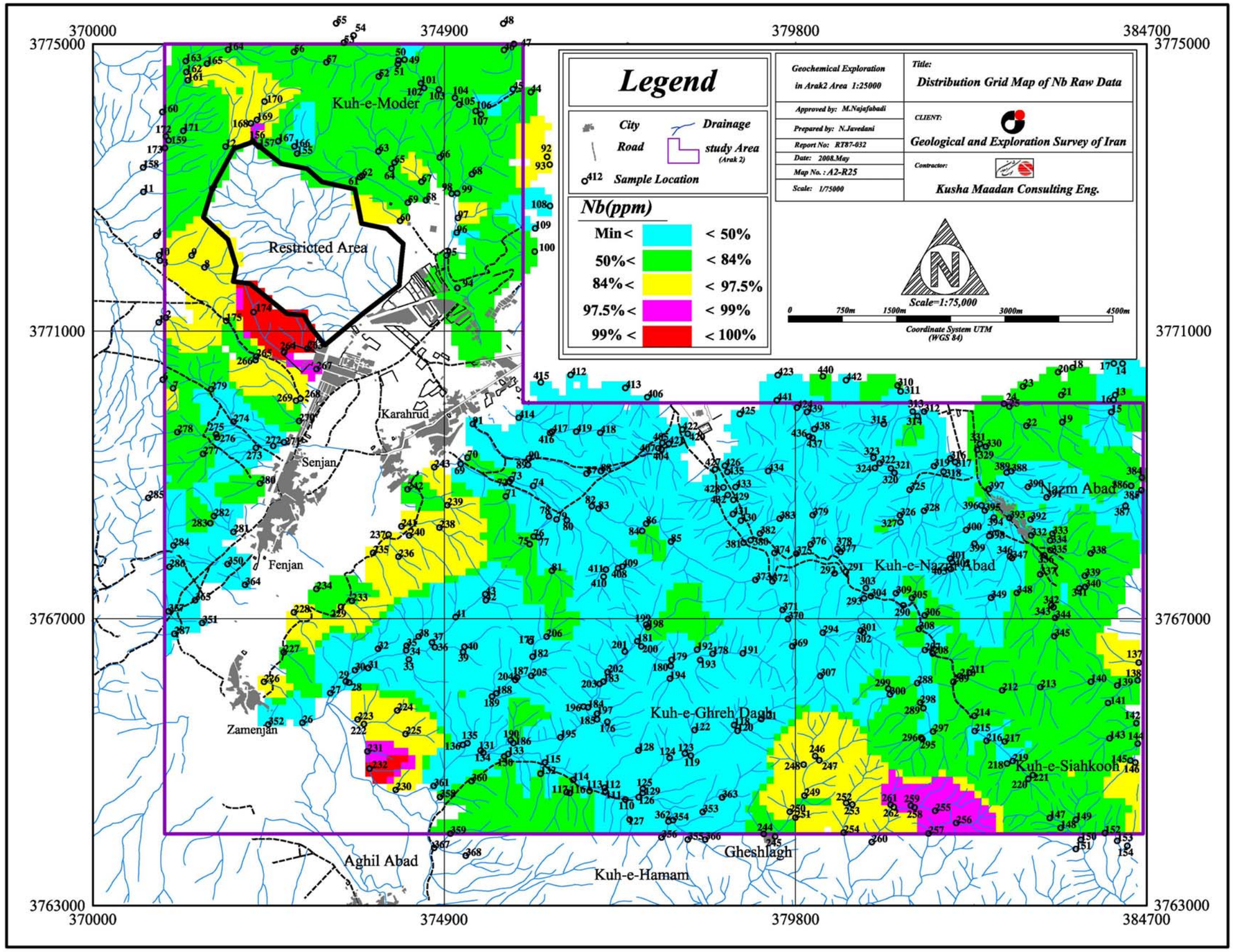

Legend
City
Road
Sample Location
Drainage
study Area
(Arak 2)
Li(ppm)
Min < < 50%
50%< < 84%
84%< < 97.5%
97.5%< < 99%
99% < < 100%
Geochemical Exploration in Arak2 Area 1:25000
Approved by: M.Najafabadi
Prepared by: N.Javedani
Report No: RT87-032
Date: 2008.May
Map No. : A2-R20
Scale: 1/75000
Title:
Distribution Grid Map of Li Raw Data
CLIENT:
Geological and Exploration Survey of Iran
Contractor:
Kusha Maadan Consulting Eng.
Scale=1:75,000
0 750m 1500m 3000m 4500m
Coordinate System UTM
(WGS 84)
370000
374900
379800
384700
3775000
3771000
3767000
3763000
Kuh-e-Moder
Restricted Area
Karahrud
Senjan
Fenjan
Zamenjan
Aghil Abad
Kuh-e-Ghreh Dagh
Kuh-e-Hamam
Gheshlagh
Nazm Abad
Kuh-e-Nazm Abad
Kuh-e-Siahkooh

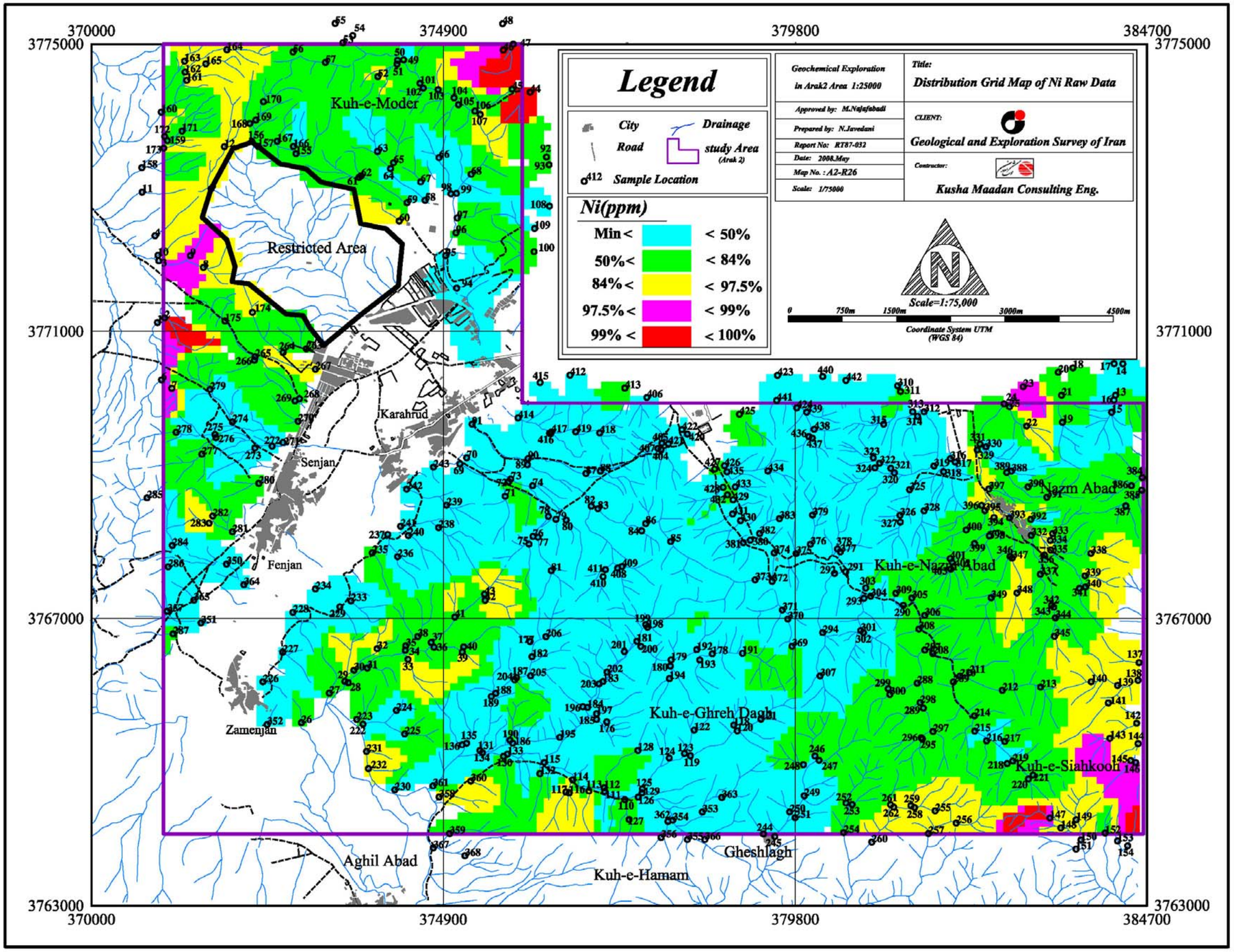

Legend
City
Road
Sample Location
Drainage
study Area
(Arak 2)
Mg(ppm)
Min < < 50%
50%< < 84%
84% < < 97.5%
97.5% < < 99%
99% < < 100%
Geochemical Exploration
in Arak2 Area 1:25000
Approved by: M.Najafabadi
Prepared by: N.Javedani
Report No: RT87-032
Date: 2008.May
Map No. : A2-R21
Scale: 1/75000
Title:
Distribution Grid Map of Mg Raw Data
CLIENT:
Geological and Exploration Survey of Iran
Contractor:
Kusha Maadan Consulting Eng.
Scale=1:75,000
0 750m 1500m 3000m 4500m
Coordinate System UTM
(WGS 84)
370000
374900
379800
384700
3775000
3771000
3767000
3763000
Kuh-e-Moder
Restricted Area
Karahrud
Senjan
Fenjan
Zamenjan
Aghil Abad
Kuh-e-Ghreh Dagh
Kuh-e-Hamam
Gheshlagh
Nazm Abad
Kuh-e-Nazm Abad
Kuh-e-Siahkooh

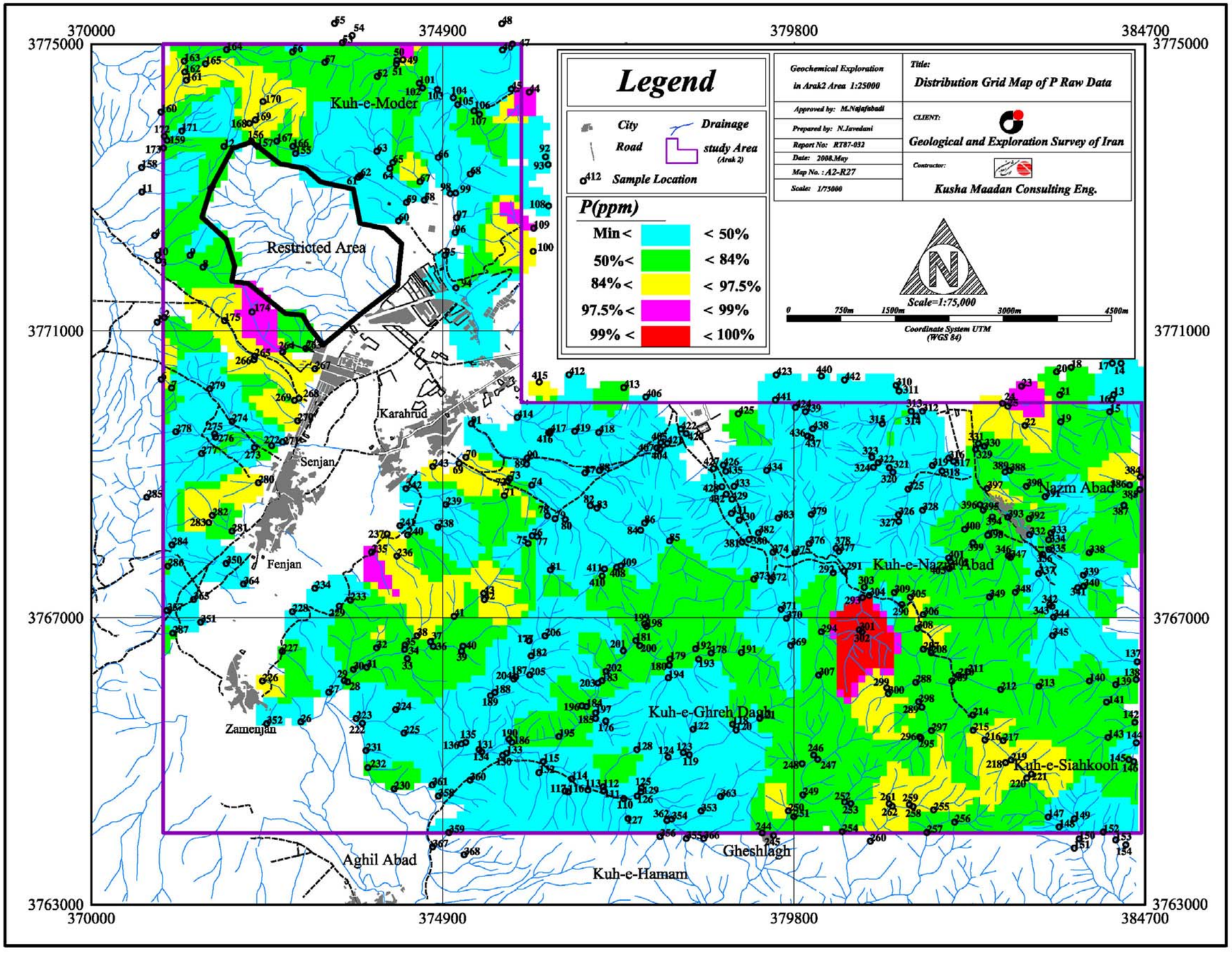

Legend
City
Road
Drainage
study Area
(Arak 2)
412 Sample Location
Mn(ppm)
Min < < 50%
50%< < 84%
84%< < 97.5%
97.5%< < 99%
99% < < 100%
Geochemical Exploration
in Arak2 Area 1:25000
Approved by: M.Najafabadi
Prepared by: N.Javedani
Report No: RT87-032
Date: 2008.May
Map No. : A2-R22
Scale: 1/75000
Title:
Distribution Grid Map of Mn Raw Data
CLIENT:
Geological and Exploration Survey of Iran
Contractor:
Kusha Maadan Consulting Eng.
Scale=1:75,000
0 750m 1500m 3000m 4500m
Coordinate System UTM
(WGS 84)
Restricted Area
Kuh-e-Moder
Karahrud
Senjan
Fenjan
Zamenjan
Kuh-e-Ghreh Dagh
Kuh-e-Nazm Abad
Nazm Abad
Kuh-e-Siahkooh
Gheshlagh
Kuh-e-Hamam
Aghil Abad
370000
374900
379800
384700
3775000
3771000
3767000
3763000

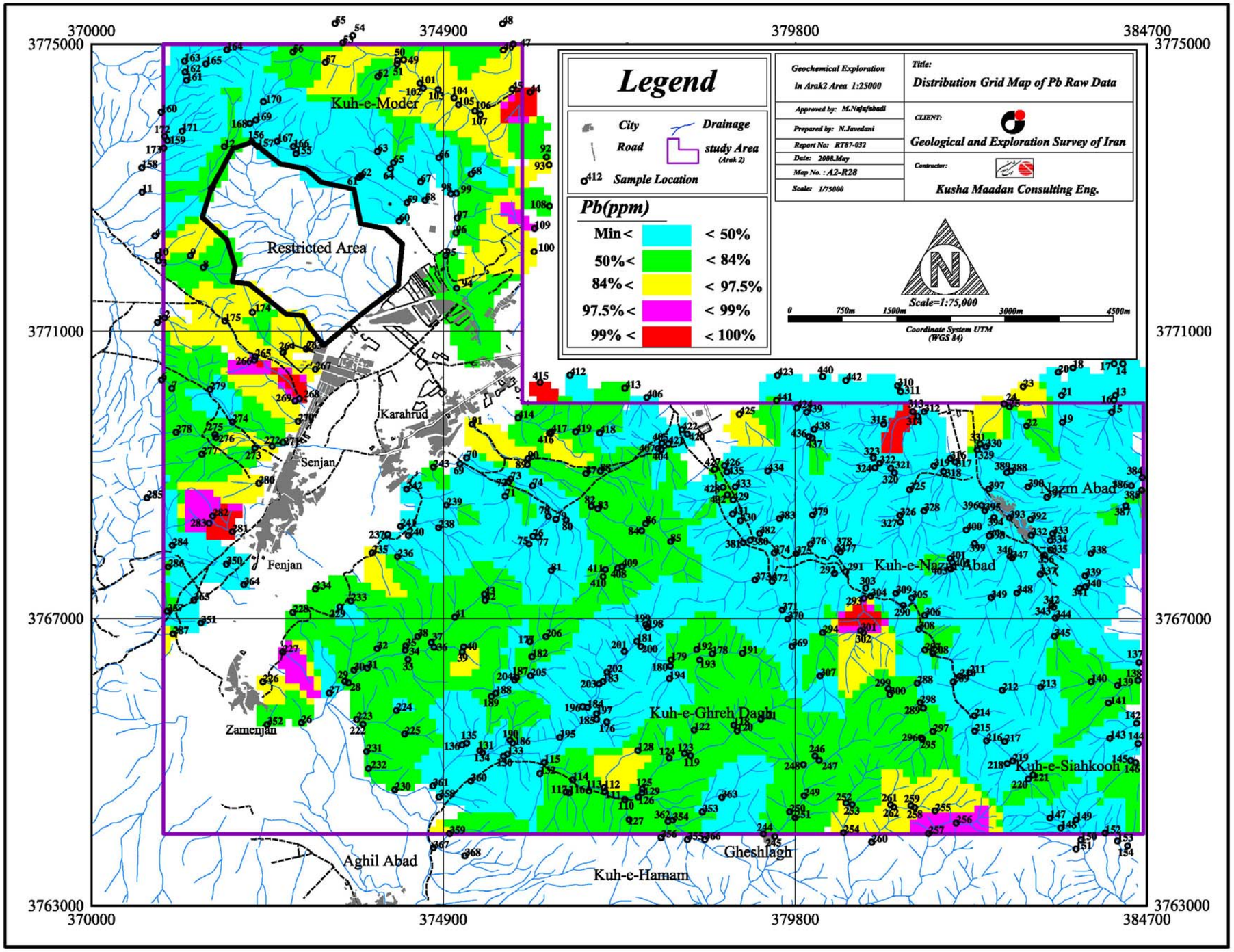

Legend
City
Road
Drainage
study Area
(Arak 2)
412 Sample Location
Mo(ppm)
Min < < 50%
50%< < 84%
84%< < 97.5%
97.5%< < 99%
99% < < 100%
Geochemical Exploration in Arak2 Area 1:25000
Title:
Distribution Grid Map of Mo Raw Data
Approved by: M.Najafabadi
Prepared by: N.Javedani
Report No: RT87-032
Date: 2008.May
Map No. : A2-R23
Scale: 1/75000
CLIENT:
Geological and Exploration Survey of Iran
Contractor:
Kusha Maadan Consulting Eng.
Scale=1:75,000
0 750m 1500m 3000m 4500m
Coordinate System UTM (WGS 84)
370000
374900
379800
384700
3775000
3771000
3767000
3763000
Kuh-e-Moder
Restricted Area
Karahrud
Senjan
Fenjan
Zamenjan
Aghil Abad
Kuh-e-Hamam
Gheshlagh
Kuh-e-Ghreh Dagh
Kuh-e-Siahkooh
Kuh-e-Nazm Abad
Nazm Abad

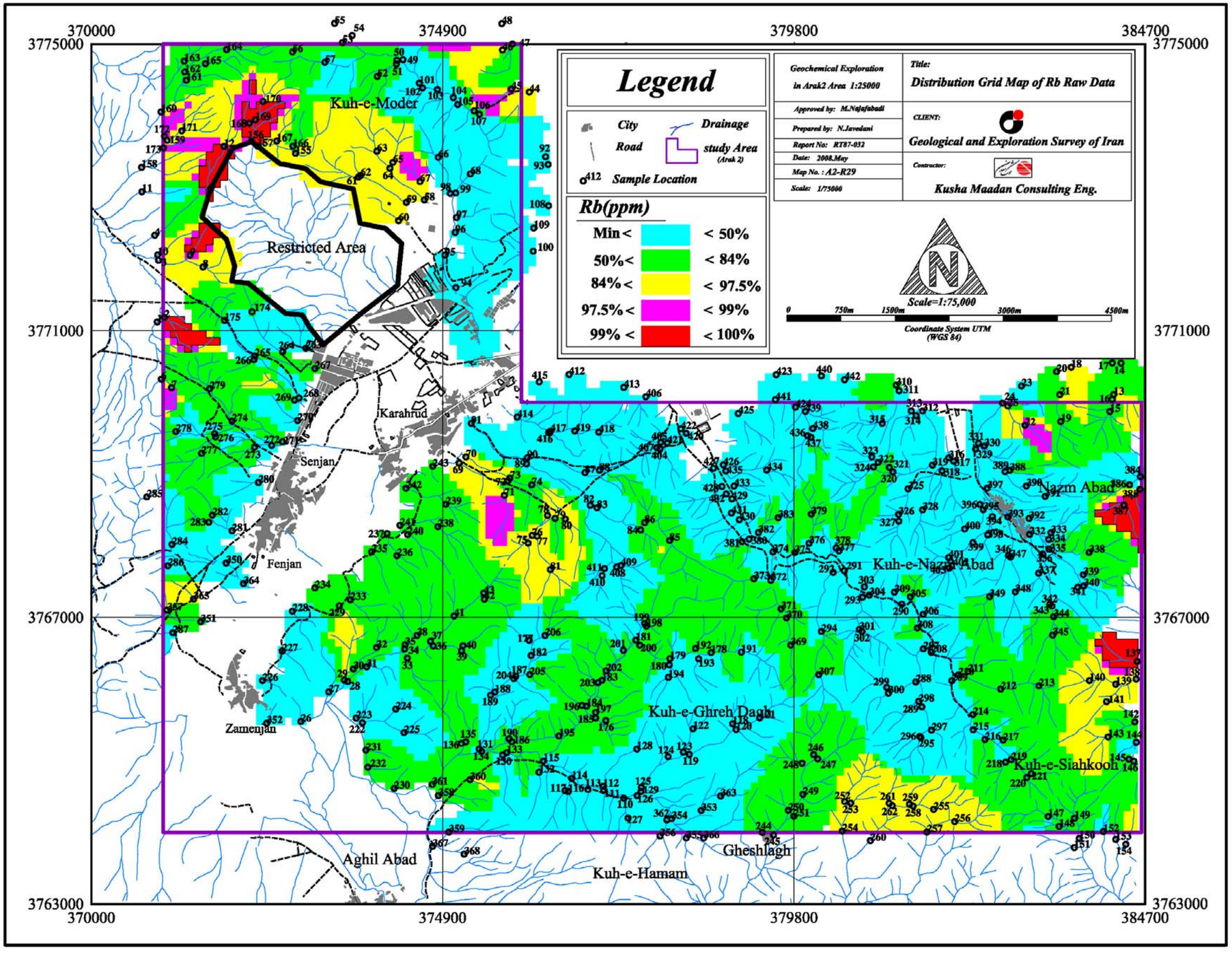

Legend
City
Drainage
Road
study Area (Arak 2)
412 Sample Location
Na(ppm)
Min < < 50%
50%< < 84%
84%< < 97.5%
97.5%< < 99%
99% < < 100%
Geochemical Exploration in Arak2 Area 1:25000
Title: Distribution Grid Map of Na Raw Data
Approved by: M.Najafabadi
Prepared by: N.Javedani
Report No: RT87-032
Date: 2008.May
Map No. : A2-R24
Scale: 1/75000
CLIENT: Geological and Exploration Survey of Iran
Contractor: Kusha Maadan Consulting Eng.
Scale=1:75,000
0 750m 1500m 3000m 4500m
Coordinate System UTM (WGS 84)
Restricted Area
Kuh-e-Moder
Karahrud
Senjan
Fenjan
Zamenjan
Aghil Abad
Kuh-e-Hamam
Gheshlagh
Kuh-e-Ghreh Dagh
Kuh-e-Nazm Abad
Nazm Abad
Kuh-e-Siahkooh
370000
374900
379800
384700
3775000
3771000
3767000
3763000

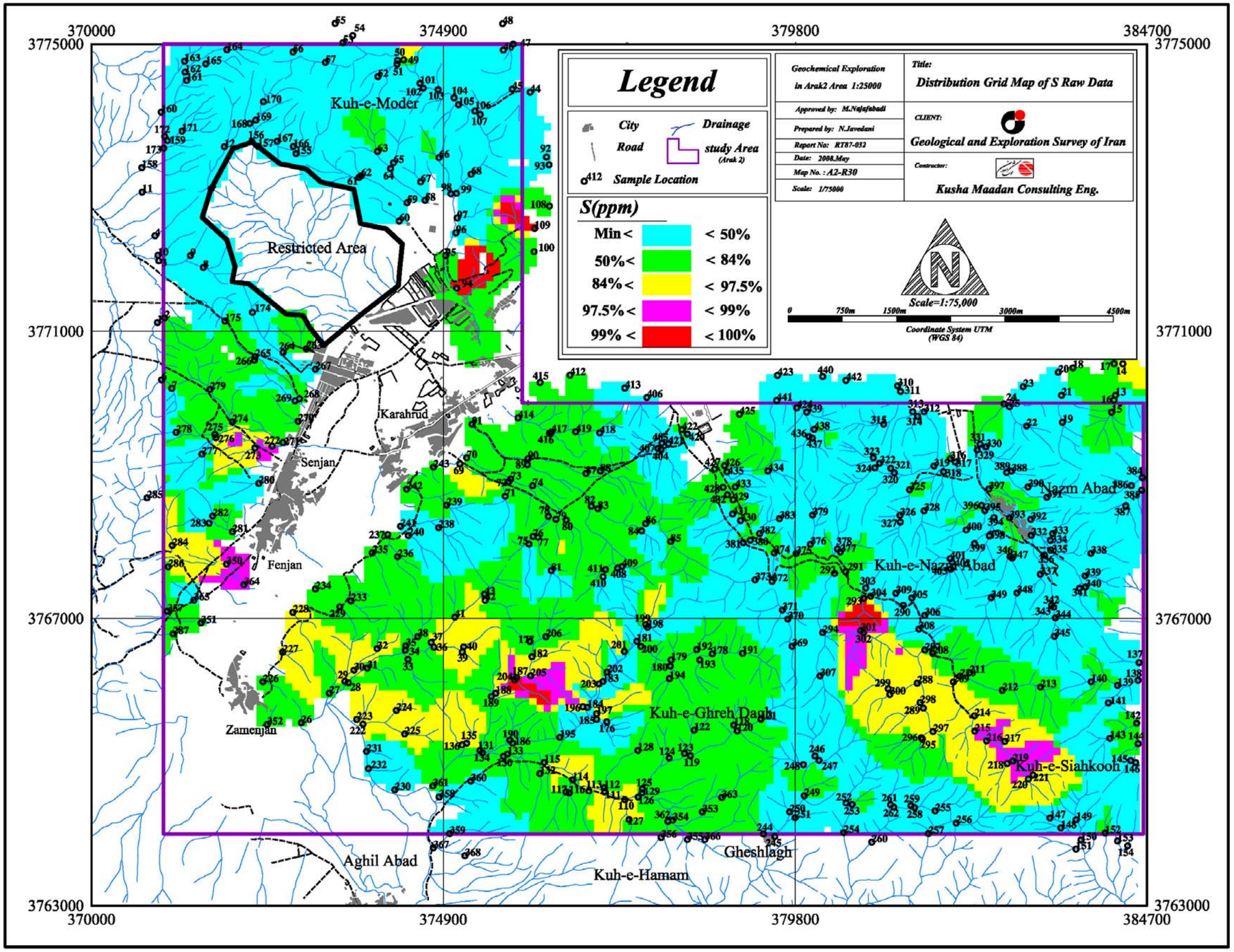

Legend
City
Drainage
Road
study Area (Arak 2)
412 Sample Location
Nb(ppm)
Min < < 50%
50%< < 84%
84%< < 97.5%
97.5%< < 99%
99% < < 100%
Geochemical Exploration in Arak2 Area 1:25000
Approved by: M.Najafabadi
Prepared by: N.Javedani
Report No: RT87-032
Date: 2008.May
Map No. : A2-R25
Scale: 1/75000
Title: Distribution Grid Map of Nb Raw Data
CLIENT: Geological and Exploration Survey of Iran
Contractor: Kusha Maadan Consulting Eng.
Scale=1:75,000
0 750m 1500m 3000m 4500m
Coordinate System UTM (WGS 84)
370000
374900
379800
384700
3775000
3771000
3767000
3763000
Kuh-e-Moder
Restricted Area
Karahrud
Senjan
Fenjan
Zamenjan
Aghil Abad
Kuh-e-Ghreh Dagh
Kuh-e-Hamam
Gheshlagh
Kuh-e-Nazm Abad
Nazm Abad
Kuh-e-Siahkooh

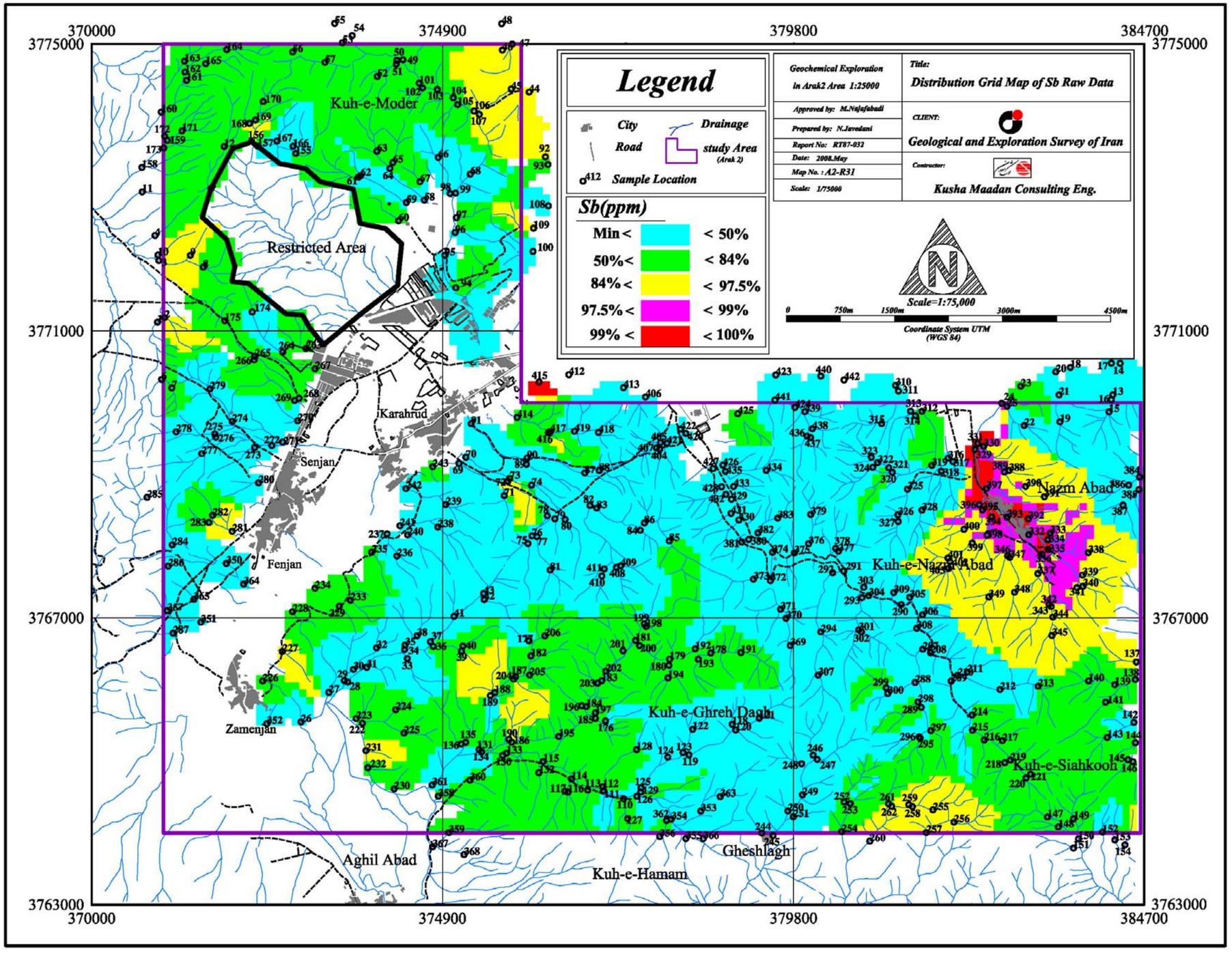

Legend
City
Road
Drainage
study Area
(Arak 2)
412 Sample Location
Ni(ppm)
Min < < 50%
50%< < 84%
84%< < 97.5%
97.5%< < 99%
99% < < 100%
Geochemical Exploration
in Arak2 Area 1:25000
Approved by: M.Najafabadi
Prepared by: N.Javedani
Report No: RT87-032
Date: 2008.May
Map No. : A2-R26
Scale: 1/75000
Title:
Distribution Grid Map of Ni Raw Data
CLIENT:
Geological and Exploration Survey of Iran
Contractor:
Kusha Maadan Consulting Eng.
N
Scale=1:75,000
0 750m 1500m 3000m 4500m
Coordinate System UTM
(WGS 84)
370000
374900
379800
384700
3775000
3771000
3767000
3763000
Kuh-e-Moder
Restricted Area
Karahrud
Senjan
Fenjan
Zamenjan
Aghil Abad
Kuh-e-Ghreh Daghi
Kuh-e-Hamam
Gheshlagh
Nazm Abad
Kuh-e-Nazm Abad
Kuh-e-Siahkooh

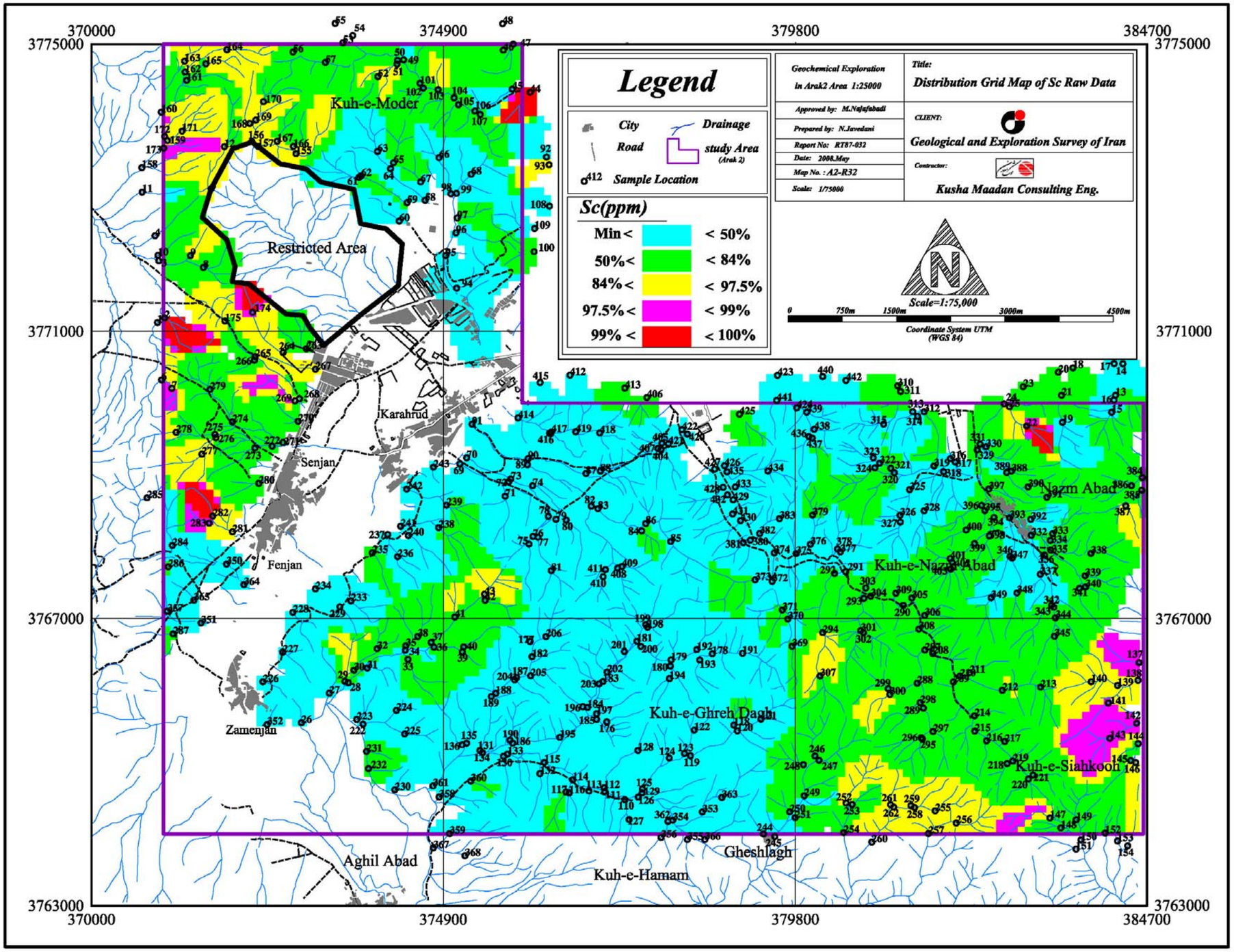

Legend
City
Road
Drainage
study Area (Arak 2)
412 Sample Location
P(ppm)
Min < < 50%
50%< < 84%
84%< < 97.5%
97.5%< < 99%
99% < < 100%
Geochemical Exploration in Arak2 Area 1:25000
Approved by: M.Najafabadi
Prepared by: N.Javedani
Report No: RT87-032
Date: 2008,May
Map No. : A2-R27
Scale: 1/75000
Title: Distribution Grid Map of P Raw Data
CLIENT: Geological and Exploration Survey of Iran
Contractor: Kusha Maadan Consulting Eng.
Scale=1:75,000
0 750m 1500m 3000m 4500m
Coordinate System UTM (WGS 84)
370000
374900
379800
384700
3775000
3771000
3767000
3763000
Kuh-e-Moder
Restricted Area
Karahrud
Senjan
Fenjan
Zamenjan
Aghil Abad
Kuh-e-Ghreh Daghi
Kuh-e-Hamam
Gheshlagh
Kuh-e-Siahkooh
Kuh-e-Nazm Abad
Nazm Abad

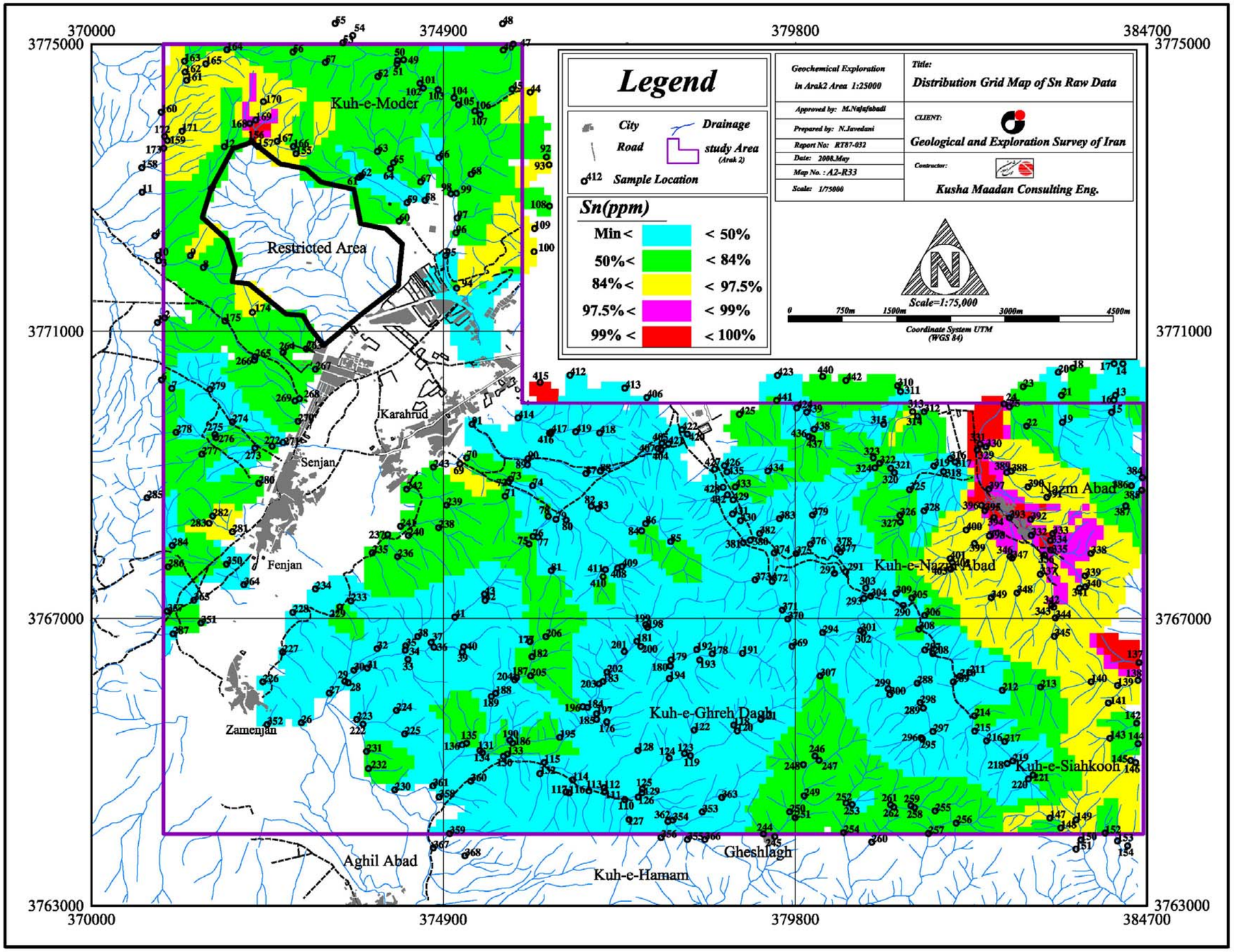

Legend
City
Road
Drainage
study Area (Arak 2)
412 Sample Location
Pb(ppm)
Min < < 50%
50%< < 84%
84%< < 97.5%
97.5%< < 99%
99% < < 100%
Geochemical Exploration in Arak2 Area 1:25000
Title: Distribution Grid Map of Pb Raw Data
Approved by: M.Najafabadi
Prepared by: N.Javedani
Report No: RT87-032
Date: 2008,May
Map No. : A2-R28
Scale: 1/75000
CLIENT: Geological and Exploration Survey of Iran
Contractor: Kusha Maadan Consulting Eng.
Scale=1:75,000
0 750m 1500m 3000m 4500m
Coordinate System UTM (WGS 84)
370000
374900
379800
384700
3775000
3771000
3767000
3763000
Kuh-e-Moder
Restricted Area
Karahrud
Senjan
Fenjan
Zamenjan
Aghil Abad
Kuh-e-Hamam
Gheshlagh
Kuh-e-Ghreh Daghi
Kuh-e-Nazm Abad
Nazm Abad
Kuh-e-Siahkooh

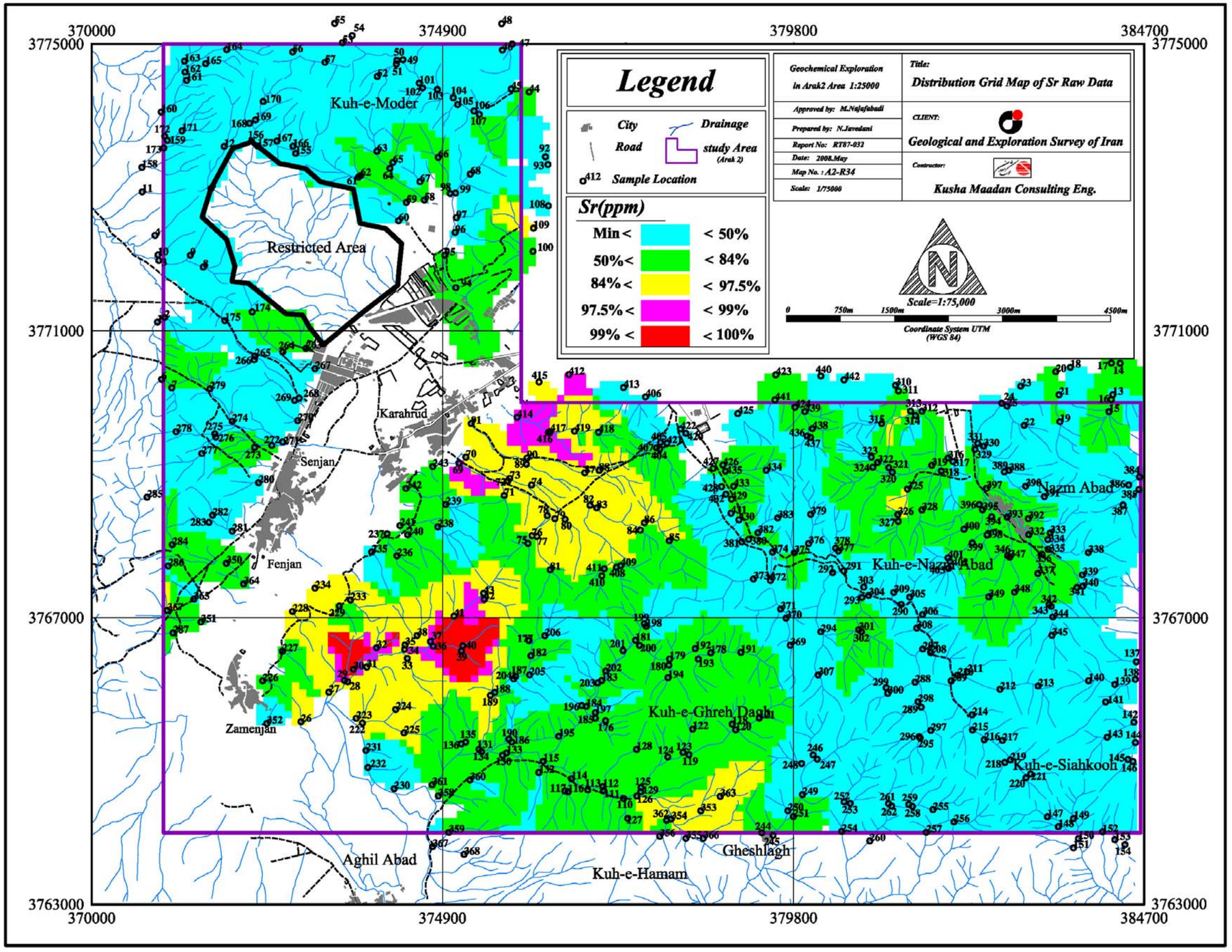

Legend
City
Road
Drainage
study Area (Arak 2)
412 Sample Location
Rb(ppm)
Min < < 50%
50%< < 84%
84%< < 97.5%
97.5%< < 99%
99% < < 100%
Geochemical Exploration in Arak2 Area 1:25000
Approved by: M.Najafabadi
Prepared by: N.Javedani
Report No: RT87-032
Date: 2008.May
Map No. : A2-R29
Scale: 1/75000
Title: Distribution Grid Map of Rb Raw Data
CLIENT: Geological and Exploration Survey of Iran
Contractor: Kusha Maadan Consulting Eng.
Scale=1:75,000
0 750m 1500m 3000m 4500m
Coordinate System UTM (WGS 84)
370000
374900
379800
384700
3775000
3771000
3767000
3763000
Kuh-e-Moder
Restricted Area
Karahrud
Senjan
Fenjan
Zamenjan
Aghil Abad
Kuh-e-Ghreh Dagh
Kuh-e-Hamam
Gheshlagh
Nazm Abad
Kuh-e-Nazm Abad
Kuh-e-Siahkooh

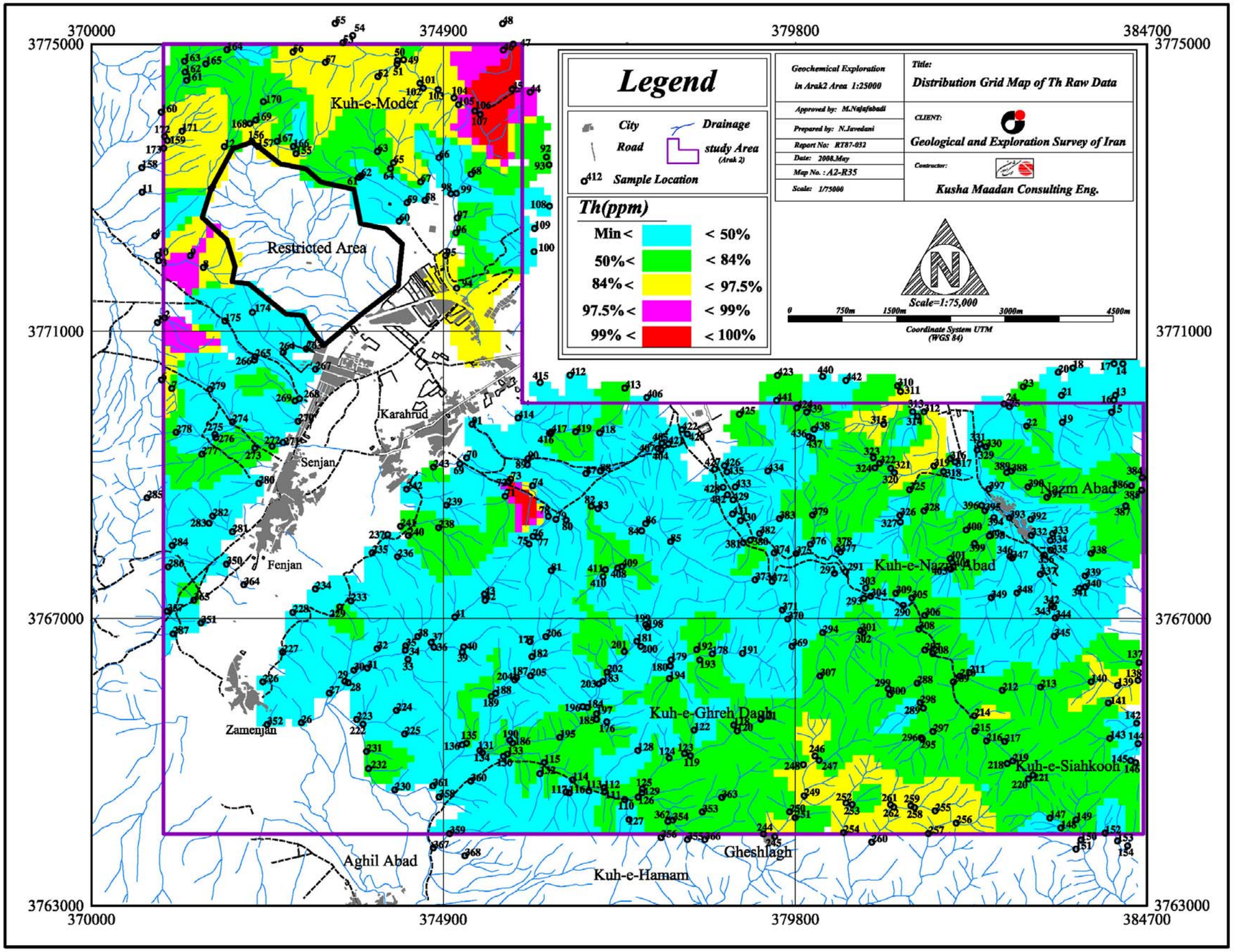

370000
374900
379800
384700
3775000
3771000
3767000
3763000
Legend
City
Road
Drainage
study Area (Arak 2)
412 Sample Location
S(ppm)
Min < < 50%
50%< < 84%
84%< < 97.5%
97.5%< < 99%
99% < < 100%
Geochemical Exploration in Arak2 Area 1:25000
Approved by: M.Najafabadi
Prepared by: N.Javedani
Report No: RT87-032
Date: 2008,May
Map No. : A2-R30
Scale: 1/75000
Title:
Distribution Grid Map of S Raw Data
CLIENT:
Geological and Exploration Survey of Iran
Contractor:
Kusha Maadan Consulting Eng.
N
Scale=1:75,000
0 750m 1500m 3000m 4500m
Coordinate System UTM (WGS 84)
Restricted Area
Kuh-e-Moder
Karahrud
Senjan
Fenjan
Zamenjan
Aghil Abad
Kuh-e-Ghreh Dagh
Kuh-e-Hamam
Gheshlagh
Kuh-e-Nazm Abad
Nazm Abad
Kuh-e-Siahkooh

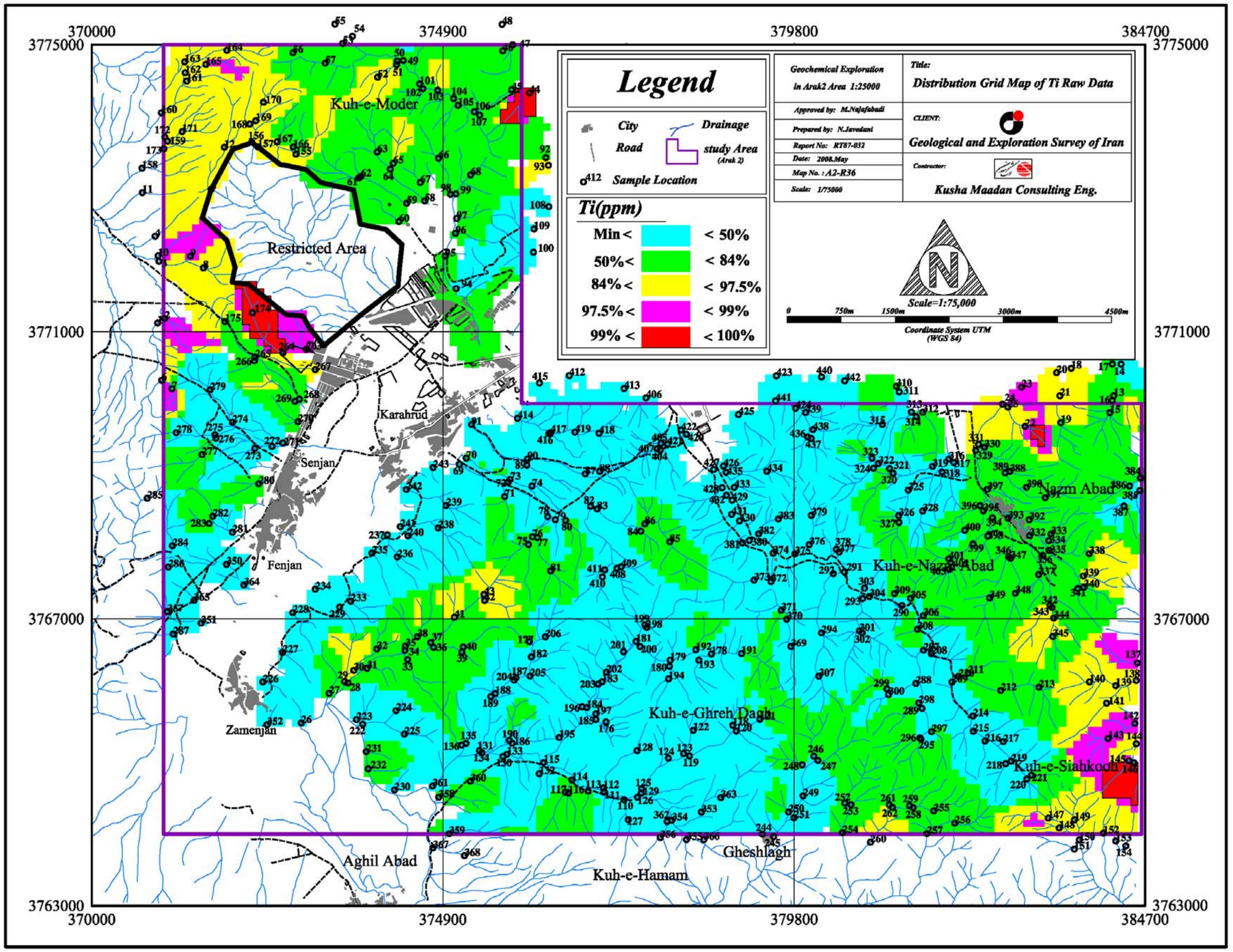

370000
374900
379800
384700
3775000
3771000
3767000
3763000
Legend
City
Road
Drainage
study Area
(Arak 2)
412 Sample Location
Sb(ppm)
Min < < 50%
50%< < 84%
84%< < 97.5%
97.5%< < 99%
99% < < 100%
Geochemical Exploration
In Arak2 Area 1:25000
Approved by: M.Najafabadi
Prepared by: N.Javedani
Report No: RT87-032
Date: 2008.May
Map No. : A2-R31
Scale: 1/75000
Title:
Distribution Grid Map of Sb Raw Data
CLIENT:
Geological and Exploration Survey of Iran
Contractor:
Kusha Maadan Consulting Eng.
N
Scale=1:75,000
0 750m 1500m 3000m 4500m
Coordinate System UTM
(WGS 84)
Kuh-e-Moder
Restricted Area
Karahrud
Senjan
Fenjan
Zamenjan
Aghil Abad
Kuh-e-Hamam
Gheshlagh
Kuh-e-Ghreh Dagh
Kuh-e-Siahkooh
Kuh-e-Nazm Abad
Nazm Abad

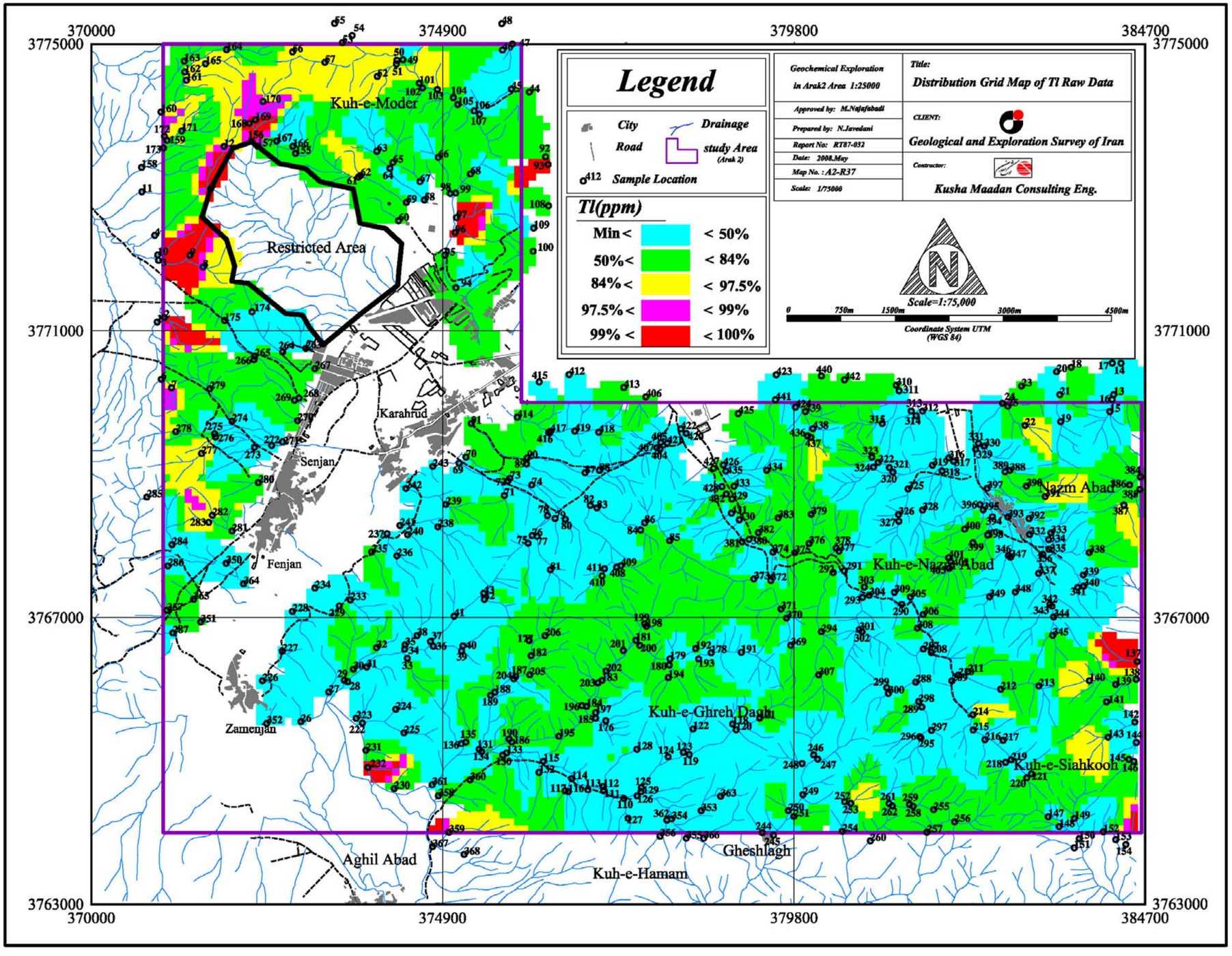

370000
374900
379800
384700
3775000
3771000
3767000
3763000
Legend
City
Road
Drainage
study Area
(Arak 2)
412 Sample Location
Sc(ppm)
Min < < 50%
50%< < 84%
84%< < 97.5%
97.5%< < 99%
99% < < 100%
Geochemical Exploration in Arak2 Area 1:25000
Approved by: M.Najafabadi
Prepared by: N.Javedani
Report No: RT87-032
Date: 2008,May
Map No. : A2-R32
Scale: 1/75000
Title:
Distribution Grid Map of Sc Raw Data
CLIENT:
Geological and Exploration Survey of Iran
Contractor:
Kusha Maadan Consulting Eng.
N
Scale=1:75,000
0 750m 1500m 3000m 4500m
Coordinate System UTM
(WGS 84)
Restricted Area
Kuh-e-Moder
Karahrud
Senjan
Fenjan
Zamenjan
Aghil Abad
Kuh-e-Ghreh Dagh
Kuh-e-Hamam
Gheshlagh
Kuh-e-Nazm Abad
Nazm Abad
Kuh-e-Siahkooh

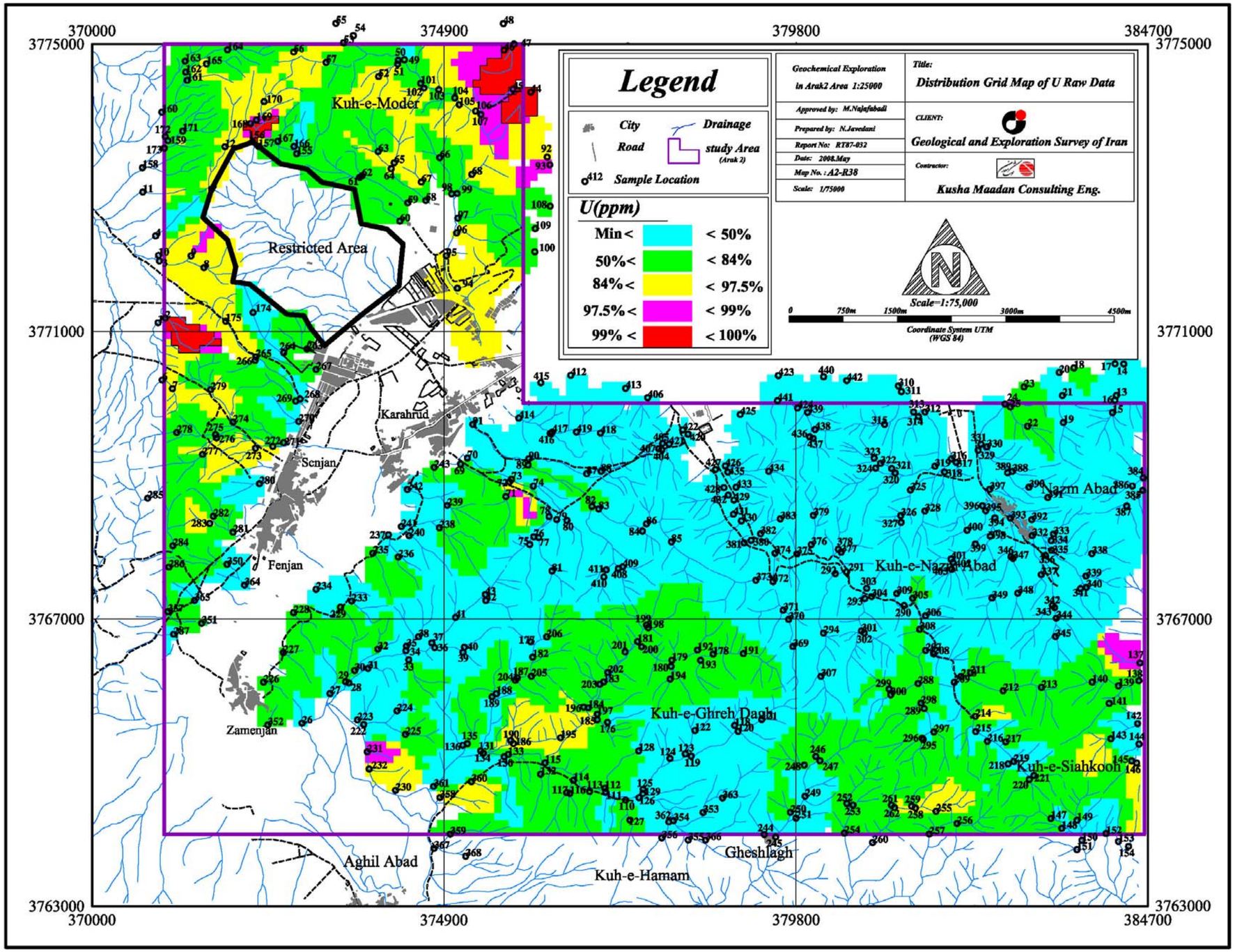

Legend
City
Road
Drainage
study Area (Arak 2)
412 Sample Location
Sn(ppm)
Min < < 50%
50%< < 84%
84%< < 97.5%
97.5%< < 99%
99% < < 100%
Geochemical Exploration in Arak2 Area 1:25000
Approved by: M.Najafabadi
Prepared by: N.Javedani
Report No: RT87-032
Date: 2008,May
Map No. : A2-R33
Scale: 1/75000
Title: Distribution Grid Map of Sn Raw Data
CLIENT: Geological and Exploration Survey of Iran
Contractor: Kusha Maadan Consulting Eng.
N
Scale=1:75,000
0 750m 1500m 3000m 4500m
Coordinate System UTM (WGS 84)
370000
374900
379800
384700
3775000
3771000
3767000
3763000
Kuh-e-Moder
Restricted Area
Karahrud
Senjan
Fenjan
Zamenjan
Aghil Abad
Kuh-e-Ghreh Dagh
Kuh-e-Hamam
Gheshlagh
Kuh-e-Nazm Abad
Nazm Abad
Kuh-e-Siahkooh

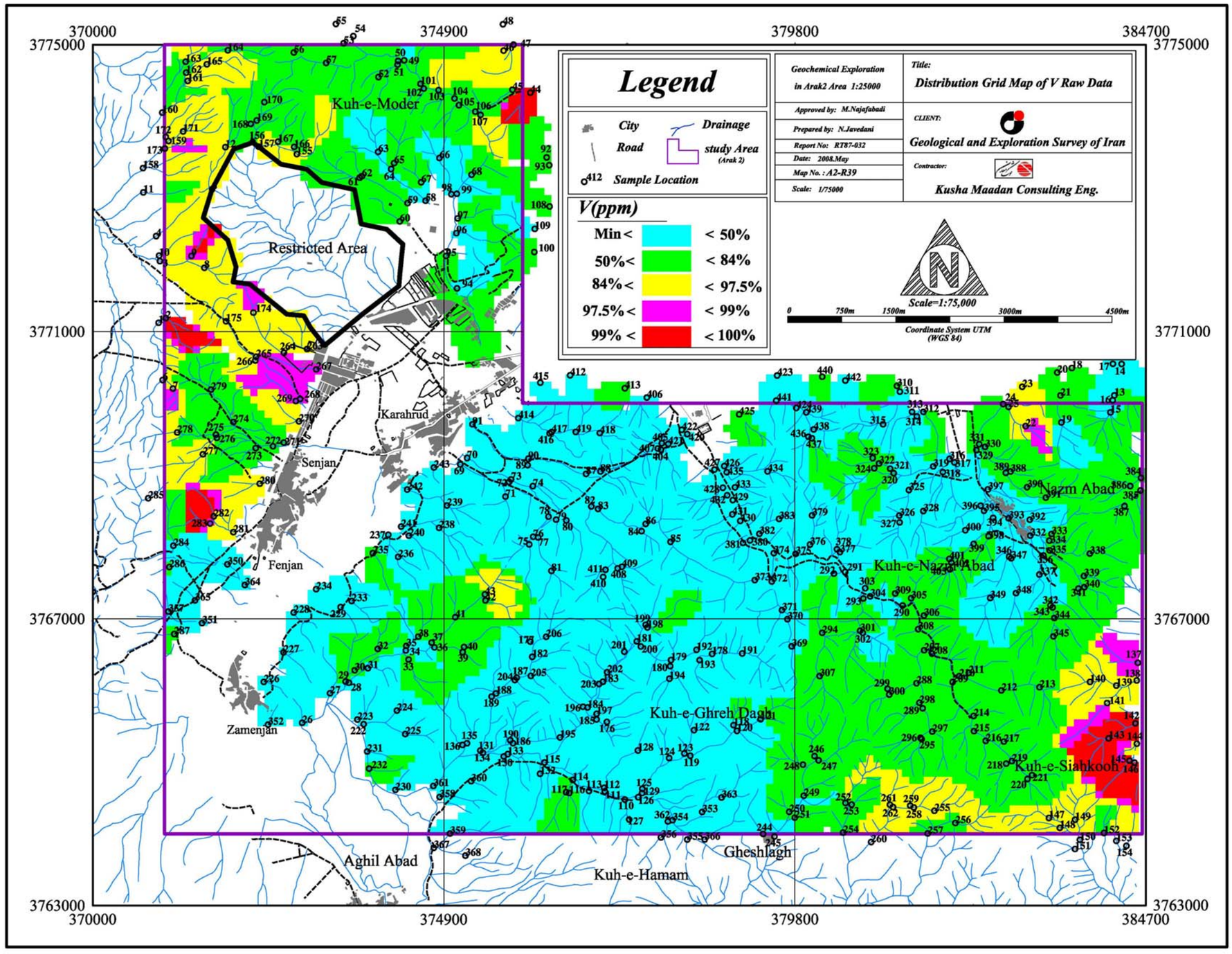

Legend
City
Road
Drainage
study Area
(Arak 2)
412 Sample Location
Sr(ppm)
Min < < 50%
50%< < 84%
84%< < 97.5%
97.5%< < 99%
99% < < 100%
Geochemical Exploration
in Arak2 Area 1:25000
Title:
Distribution Grid Map of Sr Raw Data
Approved by: M.Najafabadi
Prepared by: N.Javedani
Report No: RT87-032
Date: 2008.May
Map No. : A2-R34
Scale: 1/75000
CLIENT:
Geological and Exploration Survey of Iran
Contractor:
Kusha Maadan Consulting Eng.
Scale=1:75,000
0 750m 1500m 3000m 4500m
Coordinate System UTM
(WGS 84)
Restricted Area
Kuh-e-Moder
Karahrud
Senjan
Fenjan
Zamenjan
Aghil Abad
Kuh-e-Hamam
Gheshlagh
Kuh-e-Ghreh Dagh
Kuh-e-Nazm Abad
Nazm Abad
Kuh-e-Siahkooh
370000
374900
379800
384700
3775000
3771000
3767000
3763000

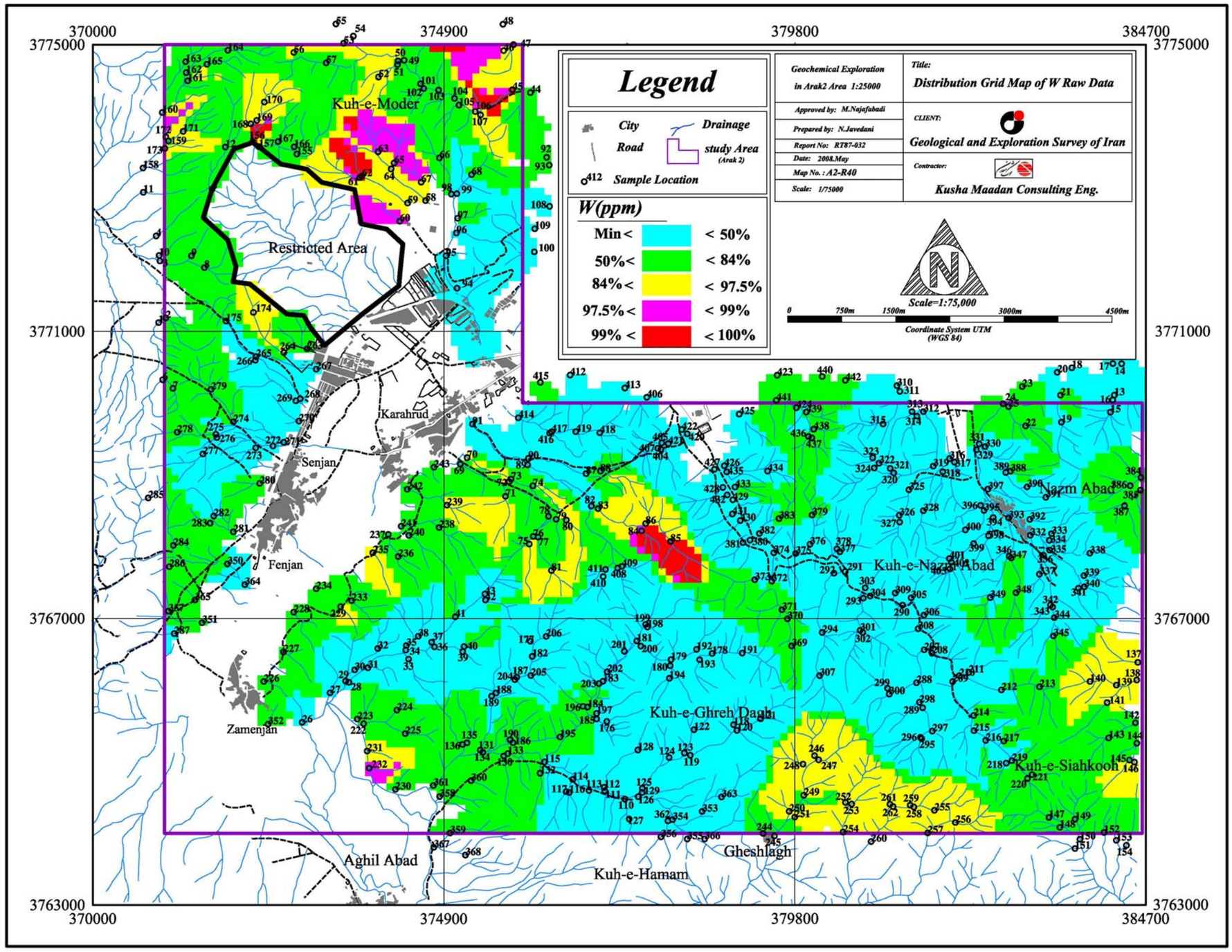

Legend
City
Road
Drainage
study Area
(Arak 2)
412 Sample Location
Th(ppm)
Min < < 50%
50%< < 84%
84%< < 97.5%
97.5%< < 99%
99% < < 100%
Geochemical Exploration
in Arak2 Area 1:25000
Approved by: M.Najafabadi
Prepared by: N.Javedani
Report No: RT87-032
Date: 2008,May
Map No. : A2-R35
Scale: 1/75000
Title:
Distribution Grid Map of Th Raw Data
CLIENT:
Geological and Exploration Survey of Iran
Contractor:
Kusha Maadan Consulting Eng.
N
Scale=1:75,000
0 750m 1500m 3000m 4500m
Coordinate System UTM
(WGS 84)
370000
374900
379800
384700
3775000
3771000
3767000
3763000
Kuh-e-Moder
Restricted Area
Karahrud
Senjan
Fenjan
Zamenjan
Aghil Abad
Kuh-e-Ghreh Daghi
Kuh-e-Hamam
Gheshlagh
Kuh-e-Nazm Abad
Nazm Abad
Kuh-e-Siahkooh

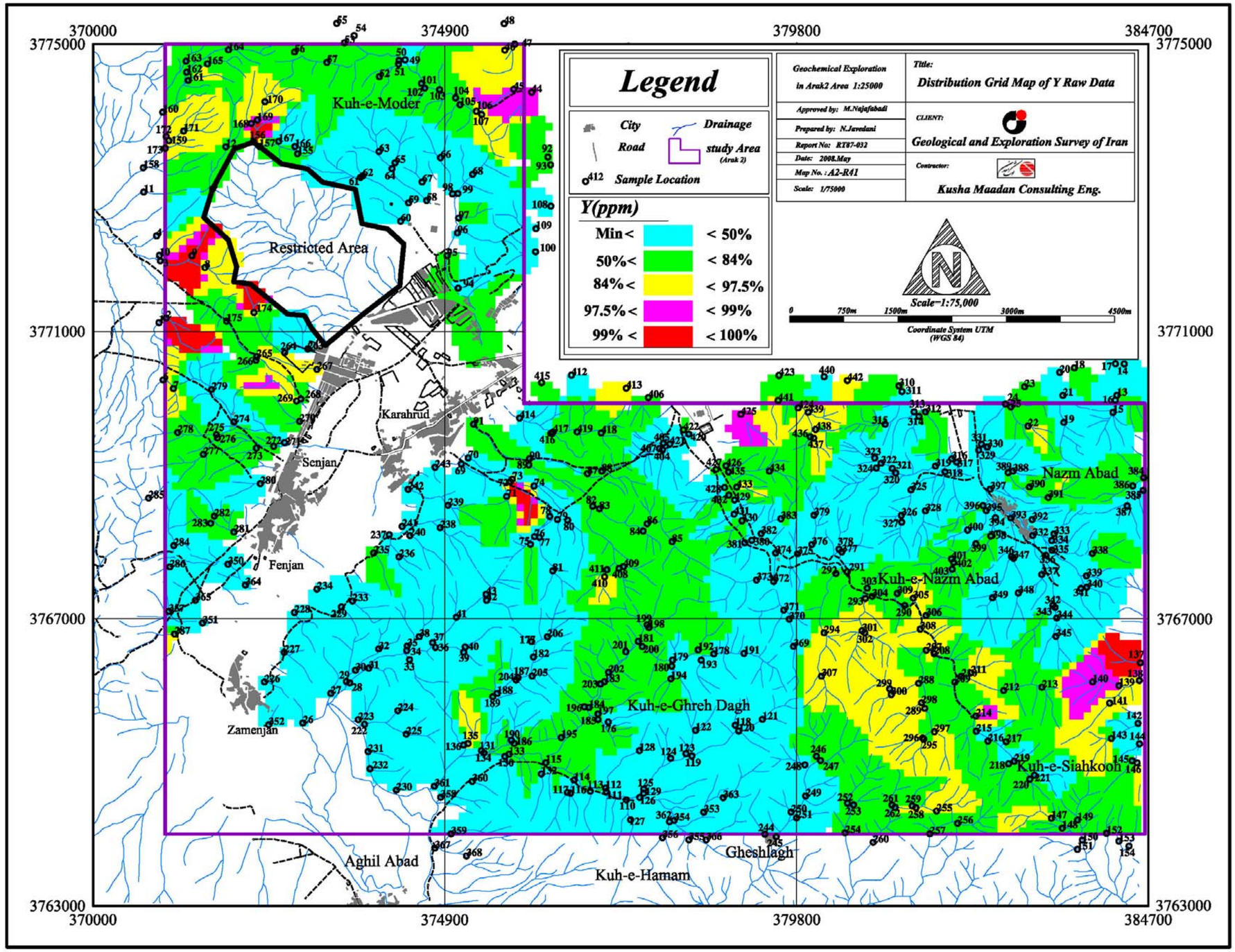

370000
374900
379800
384700
3775000
3771000
3767000
3763000
Legend
City
Road
Drainage
study Area
(Arak 2)
412 Sample Location
Ti(ppm)
Min < < 50%
50%< < 84%
84%< < 97.5%
97.5%< < 99%
99% < < 100%
Geochemical Exploration
in Arak2 Area 1:25000
Approved by: M.Najafabadi
Prepared by: N.Javedani
Report No: RT87-032
Date: 2008.May
Map No. : A2-R36
Scale: 1/75000
Title:
Distribution Grid Map of Ti Raw Data
CLIENT:
Geological and Exploration Survey of Iran
Contractor:
Kusha Maadan Consulting Eng.
N
Scale=1:75,000
0 750m 1500m 3000m 4500m
Coordinate System UTM
(WGS 84)
Kuh-e-Moder
Restricted Area
Karahrud
Senjan
Fenjan
Zamenjan
Aghil Abad
Kuh-e-Hamam
Gheshlagh
Kuh-e-Ghreh Daghi
Kuh-e-Nazm Abad
Nazm Abad
Kuh-e-Siahkooh

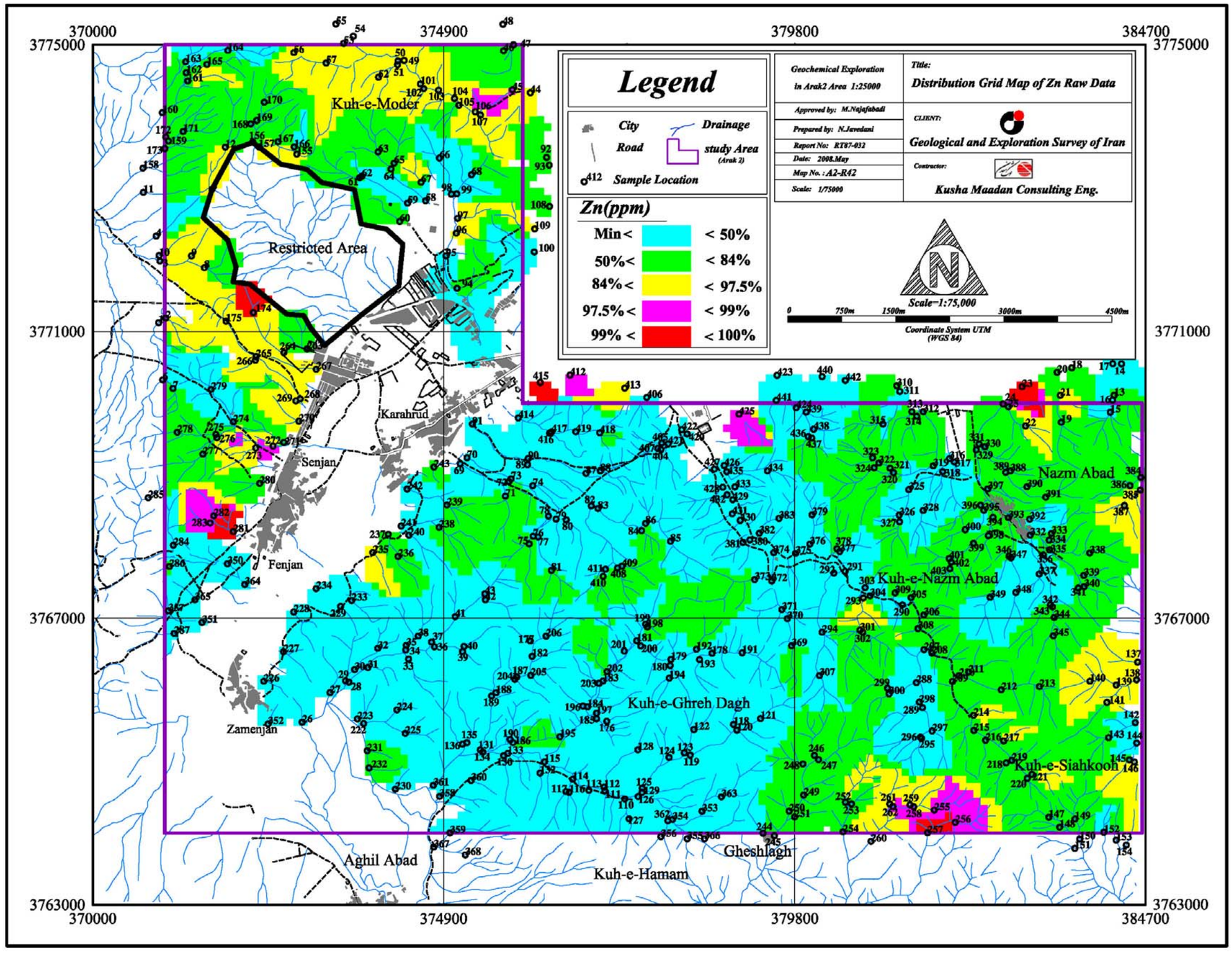

Legend
City
Road
Drainage
study Area (Arak 2)
412 Sample Location
Tl(ppm)
Min < < 50%
50%< < 84%
84%< < 97.5%
97.5%< < 99%
99% < < 100%
Geochemical Exploration in Arak2 Area 1:25000
Approved by: M.Najafabadi
Prepared by: N.Javedani
Report No: RT87-032
Date: 2008.May
Map No. : A2-R37
Scale: 1/75000
Title: Distribution Grid Map of Tl Raw Data
CLIENT: Geological and Exploration Survey of Iran
Contractor: Kusha Maadan Consulting Eng.
Scale=1:75,000
0 750m 1500m 3000m 4500m
Coordinate System UTM (WGS 84)
370000
374900
379800
384700
3775000
3771000
3767000
3763000
Kuh-e-Moder
Restricted Area
Karahrud
Senjan
Fenjan
Zamenjan
Aghil Abad
Kuh-e-Hamam
Kuh-e-Ghreh Dagh
Gheshlagh
Kuh-e-Nazm Abad
Nazm Abad
Kuh-e-Siahkooh

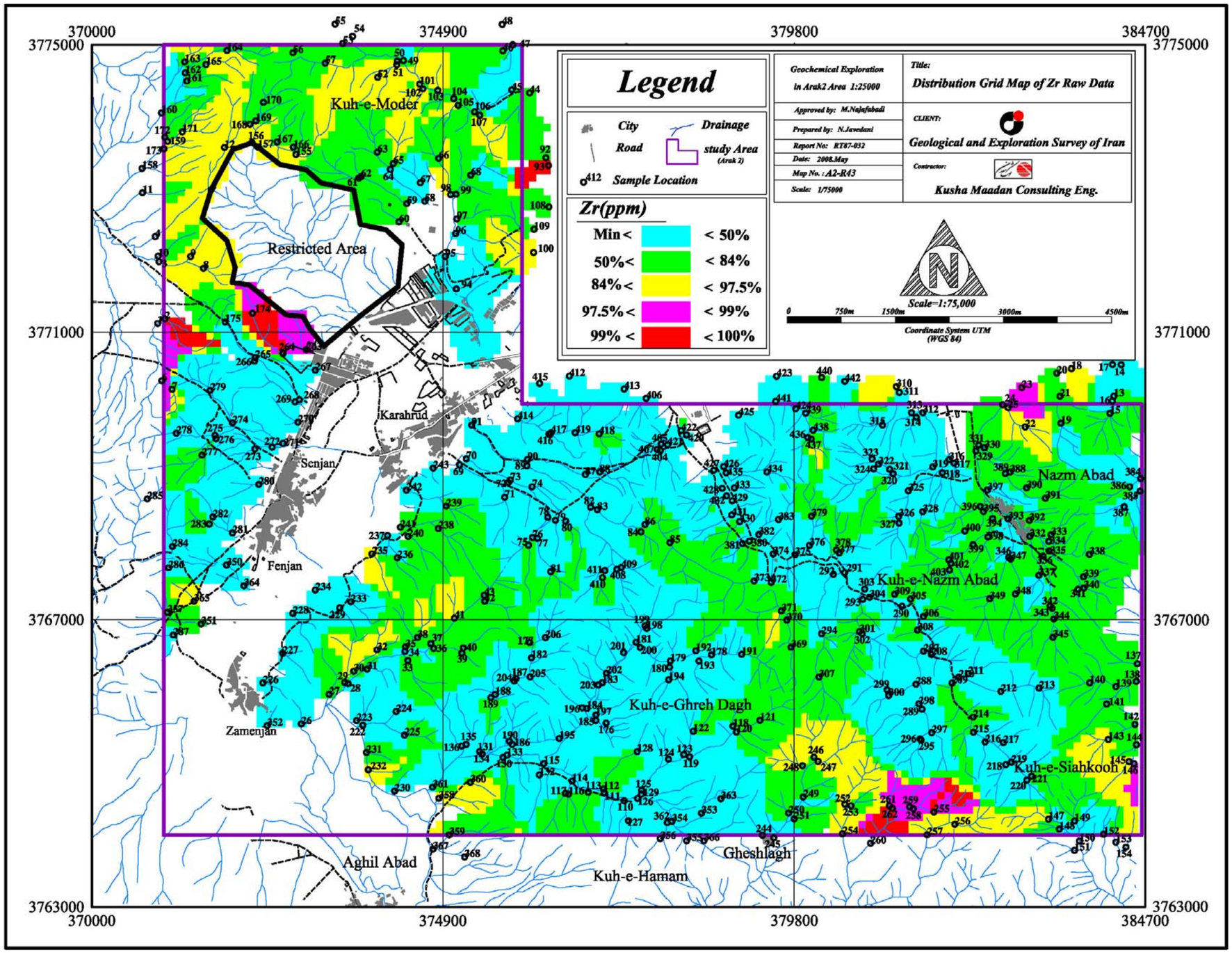

370000
374900
379800
384700
3775000
3771000
3767000
3763000
Legend
City
Drainage
Road
study Area
(Arak 2)
412 Sample Location
U(ppm)
Min < < 50%
50%< < 84%
84%< < 97.5%
97.5%< < 99%
99% < < 100%
Geochemical Exploration in Arak2 Area 1:25000
Title:
Distribution Grid Map of U Raw Data
Approved by: M.Najafabadi
Prepared by: N.Javedani
Report No: RT87-032
Date: 2008.May
Map No. : A2-R38
Scale: 1/75000
CLIENT:
Geological and Exploration Survey of Iran
Contractor:
Kusha Maadan Consulting Eng.
Scale=1:75,000
0 750m 1500m 3000m 4500m
Coordinate System UTM (WGS 84)
Restricted Area
Kuh-e-Moder
Karahrud
Scnjan
Fenjan
Zamenjan
Aghil Abad
Kuh-e-Ghreh Dagh
Kuh-e-Hamam
Gheshlagh
Kuh-e-Nazm Abad
Nazm Abad
Kuh-e-Siahkooh

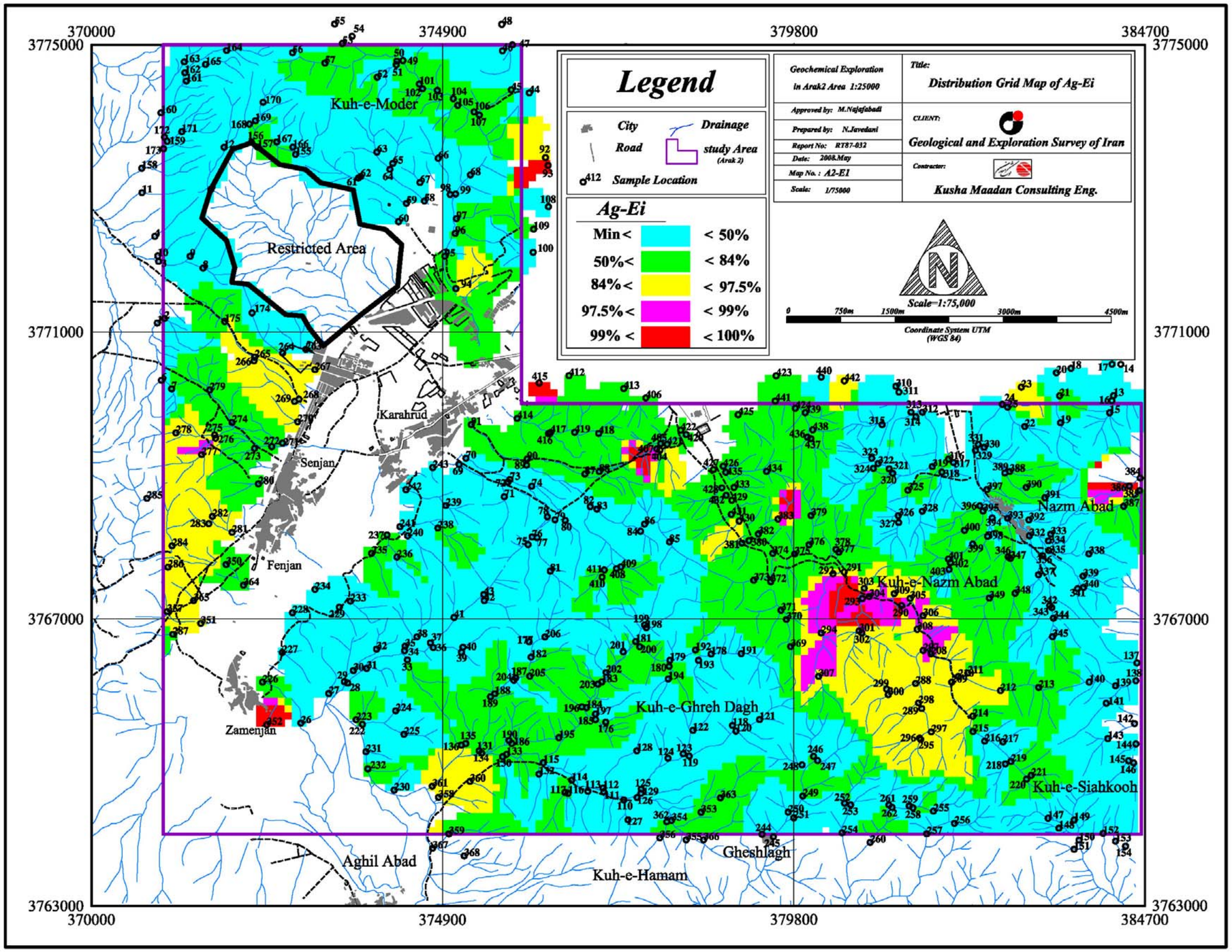

370000
374900
379800
384700
3775000
3771000
3767000
3763000
Legend
City
Drainage
Road
study Area (Arak 2)
412 Sample Location
V(ppm)
Min < < 50%
50%< < 84%
84%< < 97.5%
97.5%< < 99%
99% < < 100%
Geochemical Exploration in Arak2 Area 1:25000
Approved by: M.Najafabadi
Prepared by: N.Javedani
Report No: RT87-032
Date: 2008.May
Map No. : A2-R39
Scale: 1/75000
Title: Distribution Grid Map of V Raw Data
CLIENT: Geological and Exploration Survey of Iran
Contractor: Kusha Maadan Consulting Eng.
Scale=1:75,000
0 750m 1500m 3000m 4500m
Coordinate System UTM (WGS 84)
Kuh-e-Moder
Restricted Area
Karahrud
Senjan
Fenjan
Zamenjan
Aghil Abad
Kuh-e-Hamam
Gheshlagh
Kuh-e-Ghreh Dagh
Kuh-e-Nazm Abad
Nazm Abad
Kuh-e-Siahkooh

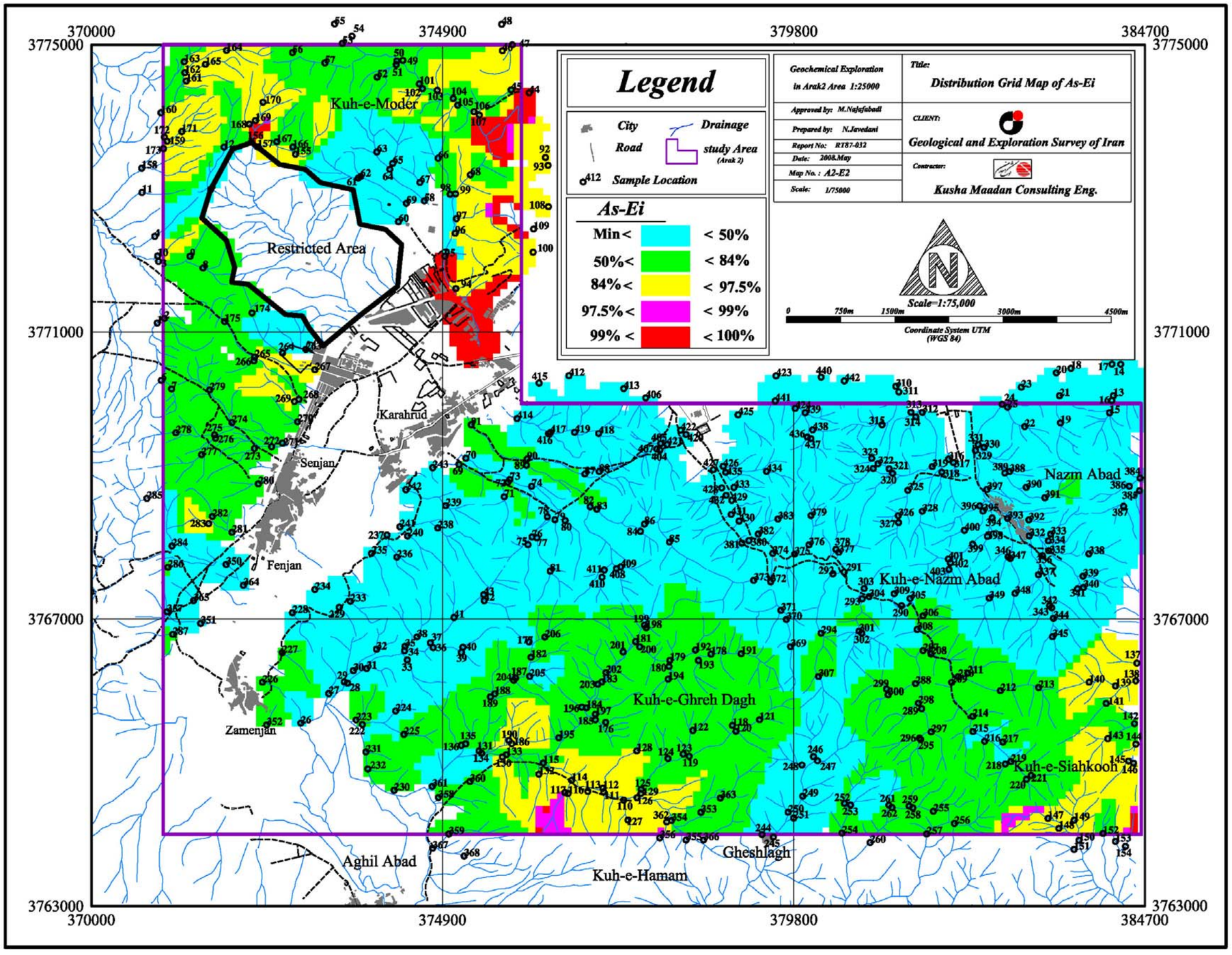

Legend
City
Drainage
Road
study Area (Arak 2)
412 Sample Location
W(ppm)
Min < < 50%
50%< < 84%
84%< < 97.5%
97.5%< < 99%
99% < < 100%
Geochemical Exploration in Arak2 Area 1:25000
Title: Distribution Grid Map of W Raw Data
Approved by: M.Najafabadi
Prepared by: N.Javedani
Report No: RT87-032
Date: 2008.May
Map No. : A2-R40
Scale: 1/75000
CLIENT: Geological and Exploration Survey of Iran
Contractor: Kusha Maadan Consulting Eng.
Scale=1:75,000
0 750m 1500m 3000m 4500m
Coordinate System UTM (WGS 84)
370000
374900
379800
384700
3775000
3771000
3767000
3763000
Restricted Area
Kuh-e-Moder
Karahrud
Senjan
Fenjan
Zamenjan
Aghil Abad
Kuh-e-Hamam
Gheshlagh
Kuh-e-Ghreh Dagh
Kuh-e-Nazm Abad
Nazm Abad
Kuh-e-Siahkooh

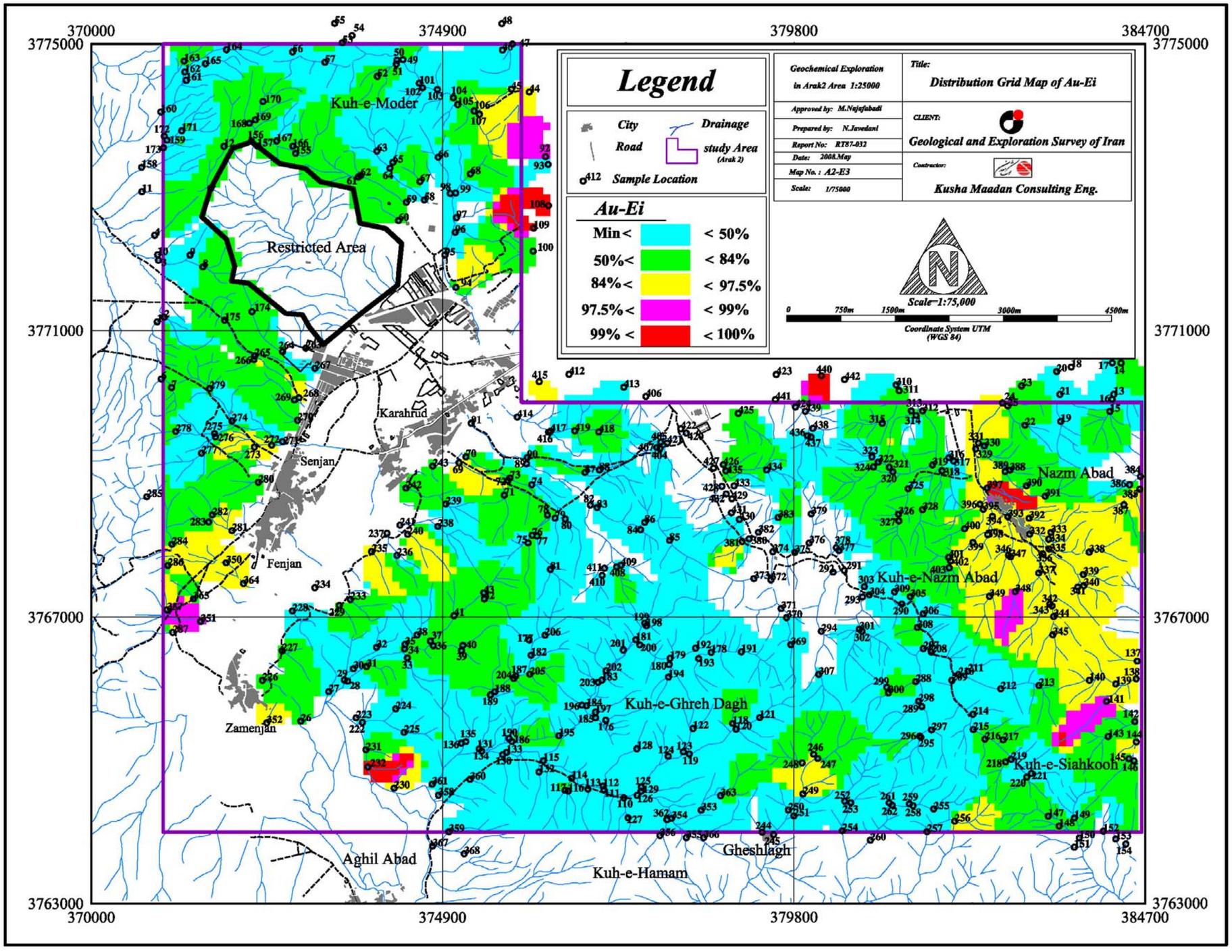

370000
374900
379800
384700
3775000
3771000
3767000
3763000
Legend
City
Drainage
Road
study Area
(Arak 2)
412 Sample Location
Y(ppm)
Min < < 50%
50%< < 84%
84%< < 97.5%
97.5%< < 99%
99% < < 100%
Geochemical Exploration in Arak2 Area 1:25000
Title:
Distribution Grid Map of Y Raw Data
Approved by: M.Najafabadi
Prepared by: N.Javedani
Report No: RT87-032
Date: 2008.May
Map No. : A2-R41
Scale: 1/75000
CLIENT:
Geological and Exploration Survey of Iran
Contractor:
Kusha Maadan Consulting Eng.
Scale=1:75,000
0 750m 1500m 3000m 4500m
Coordinate System UTM (WGS 84)
Kuh-e-Moder
Restricted Area
Karahrud
Senjan
Fenjan
Zamenjan
Aghil Abad
Kuh-e-Ghreh Dagh
Kuh-e-Hamam
Gheshlagh
Nazm Abad
Kuh-e-Nazm Abad
Kuh-e-Siahkooh

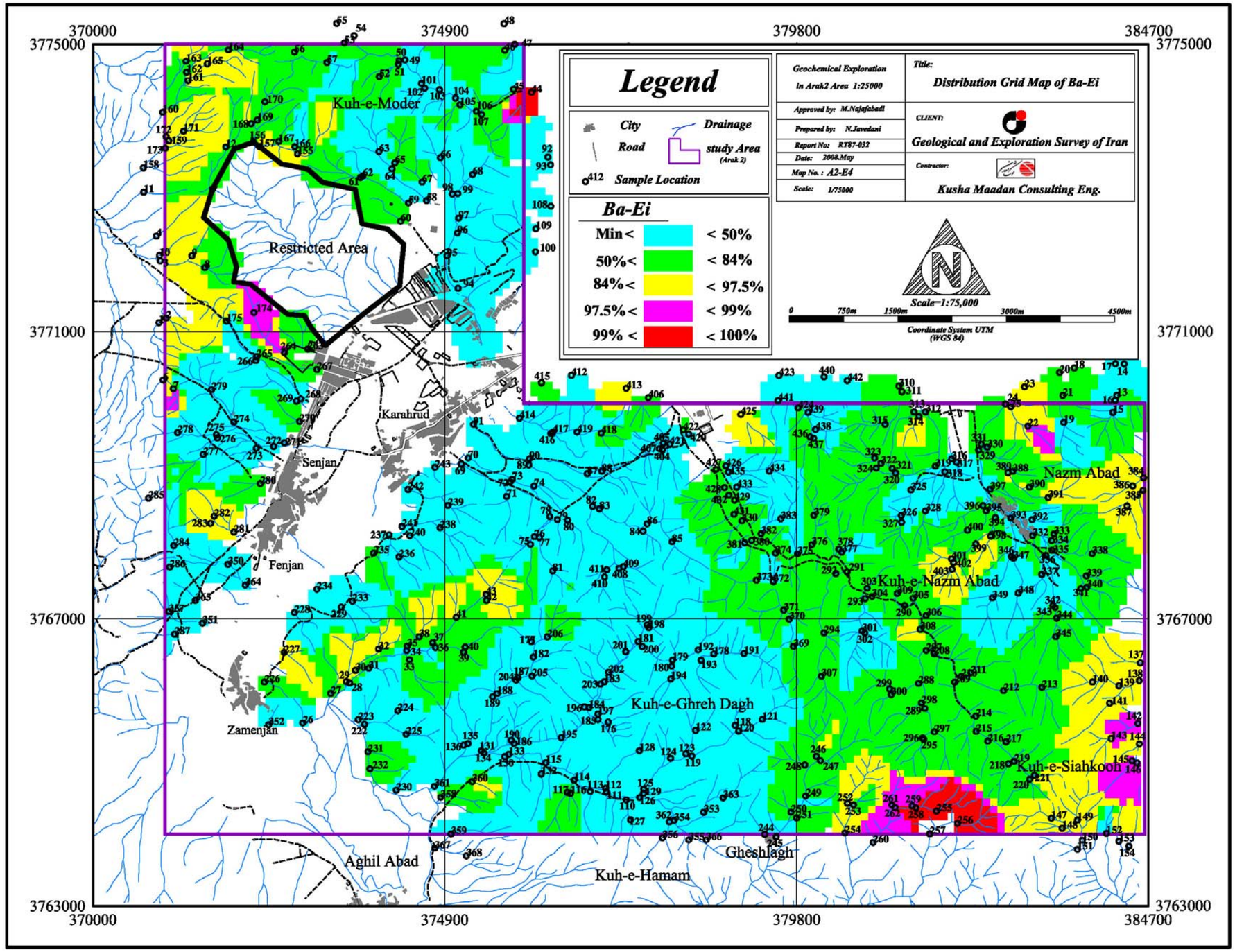

Legend
City
Drainage
Road
study Area
(Arak 2)
412 Sample Location
Zn(ppm)
Min < < 50%
50%< < 84%
84%< < 97.5%
97.5%< < 99%
99% < < 100%
Geochemical Exploration in Arak2 Area 1:25000
Approved by: M.Najafabadi
Prepared by: N.Javedani
Report No: RT87-032
Date: 2008.May
Map No. : A2-R42
Scale: 1/75000
Title:
Distribution Grid Map of Zn Raw Data
CLIENT:
Geological and Exploration Survey of Iran
Contractor:
Kusha Maadan Consulting Eng.
Scale=1:75,000
0 750m 1500m 3000m 4500m
Coordinate System UTM (WGS 84)
370000
374900
379800
384700
3775000
3771000
3767000
3763000
Kuh-e-Moder
Restricted Area
Karahrud
Senjan
Fenjan
Zamenjan
Aghil Abad
Kuh-e-Ghreh Dagh
Kuh-e-Hamam
Gheshlagh
Nazm Abad
Kuh-e-Nazm Abad
Kuh-e-Siahkooh

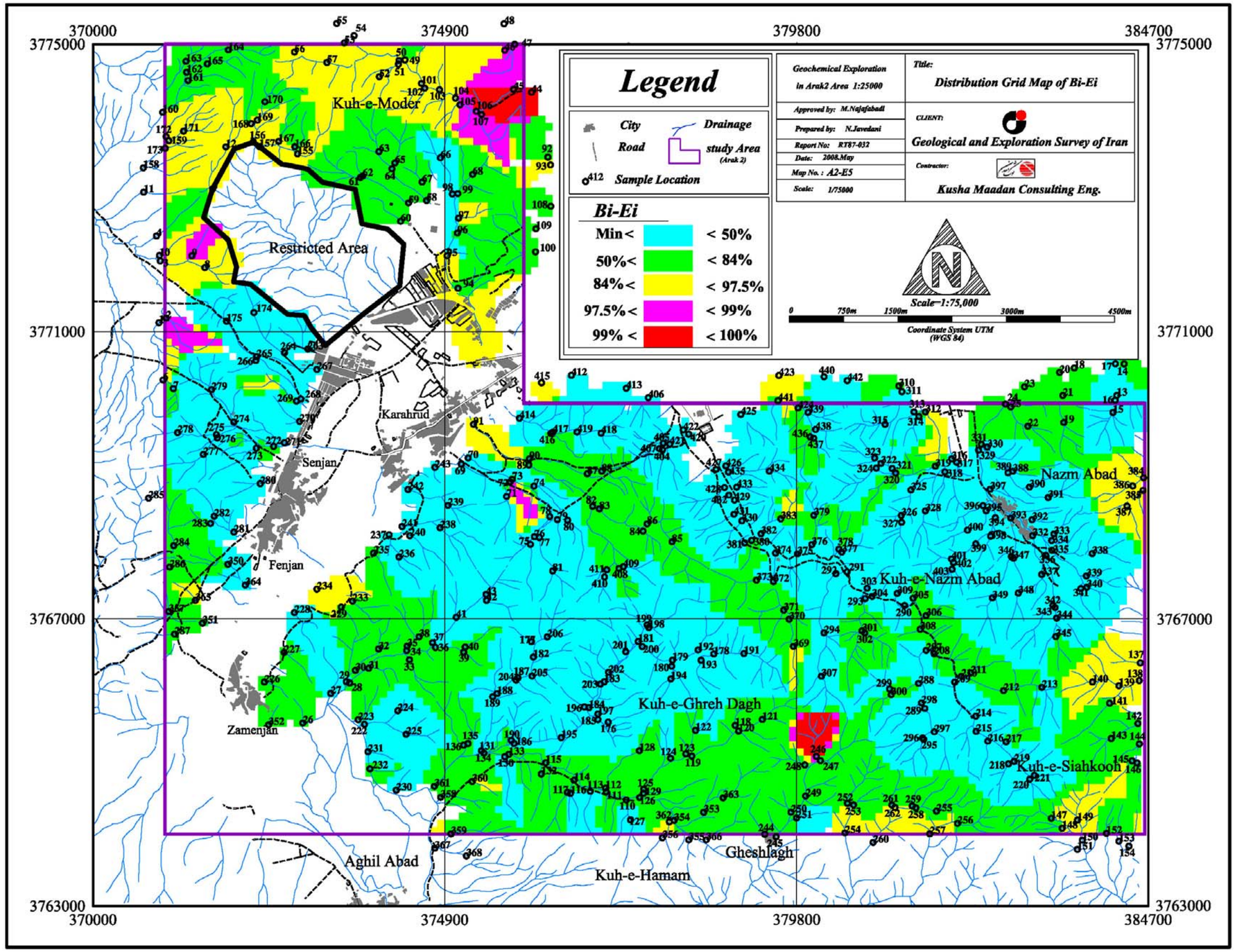

Legend
City
Drainage
Road
study Area
(Arak 2)
412 Sample Location
Zr(ppm)
Min < < 50%
50%< < 84%
84%< < 97.5%
97.5%< < 99%
99% < < 100%
Geochemical Exploration in Arak2 Area 1:25000
Approved by: M.Najafabadi
Prepared by: N.Javedani
Report No: RT87-032
Date: 2008.May
Map No. : A2-R43
Scale: 1/75000
Title:
Distribution Grid Map of Zr Raw Data
CLIENT:
Geological and Exploration Survey of Iran
Contractor:
Kusha Maadan Consulting Eng.
Scale=1:75,000
0 750m 1500m 3000m 4500m
Coordinate System UTM (WGS 84)
Restricted Area
Kuh-e-Moder
Karahrud
Senjan
Fenjan
Zamenjan
Aghil Abad
Kuh-e-Ghreh Dagh
Kuh-e-Nazm Abad
Nazm Abad
Kuh-e-Siahkooh
Gheshlagh
Kuh-e-Hamam
370000
374900
379800
384700
3775000
3771000
3767000
3763000

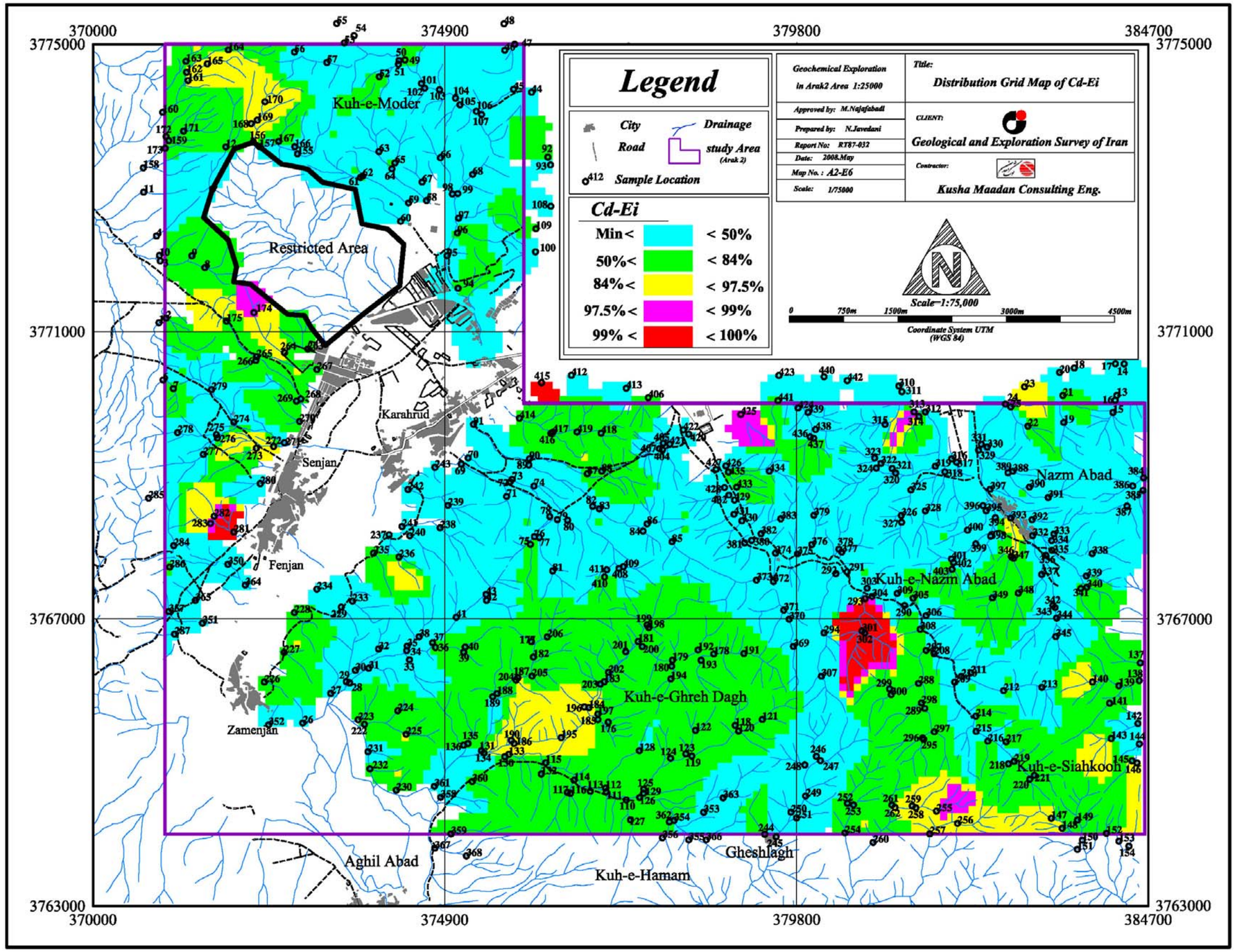

Legend
City
Road
Sample Location
Drainage
study Area
(Arak 2)
Ag-Ei
Min < < 50%
50%< < 84%
84%< < 97.5%
97.5%< < 99%
99% < < 100%
Geochemical Exploration
in Arak2 Area 1:25000
Title:
Distribution Grid Map of Ag-Ei
Approved by: M.Najafabadi
Prepared by: N.Javedani
Report No: RT87-032
Date: 2008.May
Map No. : A2-E1
Scale: 1/75000
CLIENT:
Geological and Exploration Survey of Iran
Contractor:
Kusha Maadan Consulting Eng.
Scale=1:75,000
0 750m 1500m 3000m 4500m
Coordinate System UTM
(WGS 84)
370000
374900
379800
384700
3775000
3771000
3767000
3763000
Kuh-e-Moder
Restricted Area
Karahrud
Senjan
Fenjan
Zamenjan
Aghil Abad
Kuh-e-Hamam
Gheshlagh
Kuh-e-Ghreh Dagh
Kuh-e-Nazm Abad
Nazm Abad
Kuh-e-Siahkooh

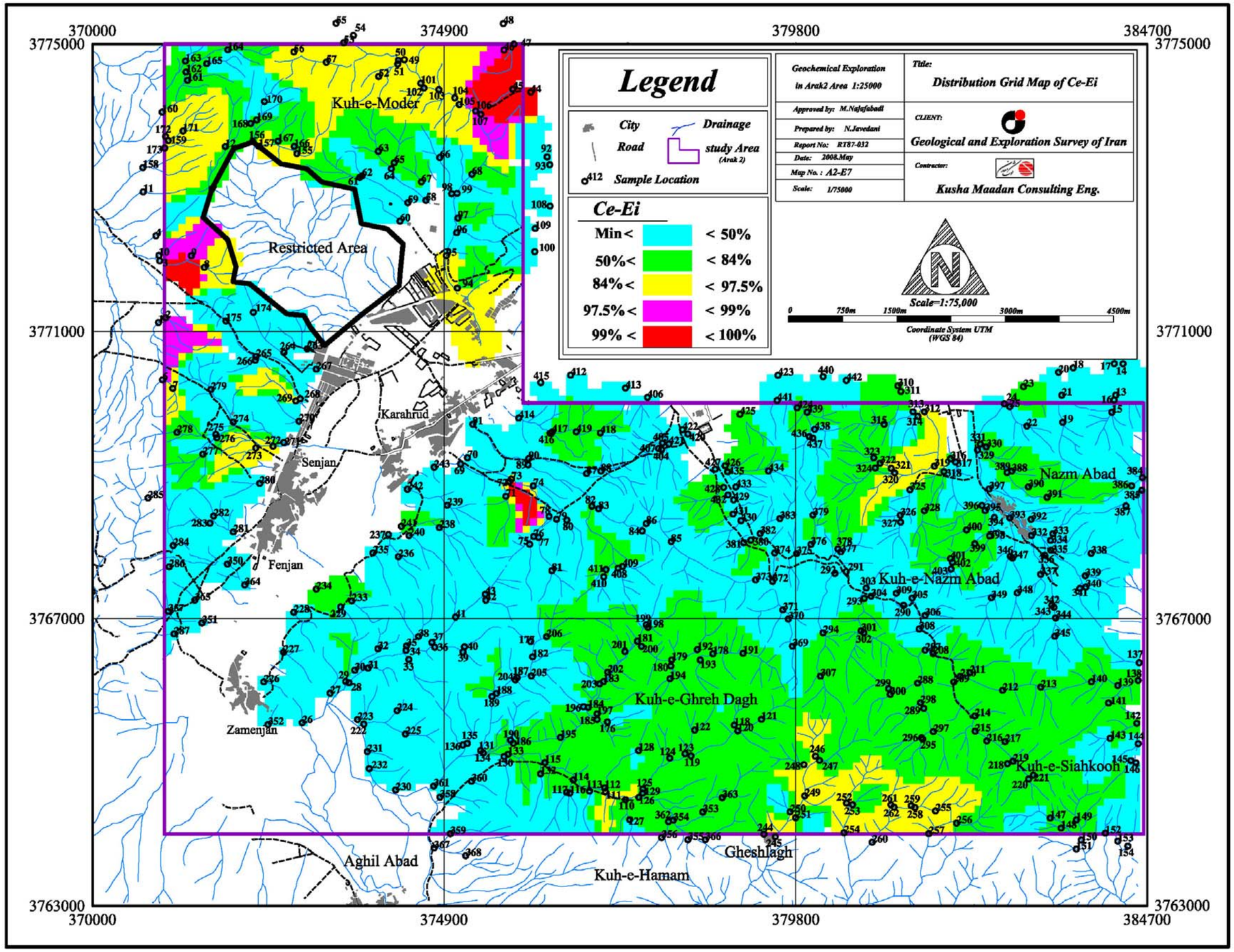

Legend
City
Road
Drainage
study Area
(Arak 2)
412 Sample Location
As-Ei
Min < < 50%
50%< < 84%
84%< < 97.5%
97.5%< < 99%
99% < < 100%
Geochemical Exploration in Arak2 Area 1:25000
Title:
Distribution Grid Map of As-Ei
Approved by: M.Najafabadi
Prepared by: N.Javedani
Report No: RT87-032
Date: 2008.May
Map No. : A2-E2
Scale: 1/75000
CLIENT:
Geological and Exploration Survey of Iran
Contractor:
Kusha Maadan Consulting Eng.
Scale=1:75,000
0 750m 1500m 3000m 4500m
Coordinate System UTM (WGS 84)
Kuh-e-Moder
Restricted Area
Karahrud
Senjan
Fenjan
Zamenjan
Aghil Abad
Kuh-e-Hamam
Gheshlagh
Kuh-e-Ghreh Dagh
Kuh-e-Nazm Abad
Nazm Abad
Kuh-e-Siahkooh
370000
374900
379800
384700
3775000
3771000
3767000
3763000

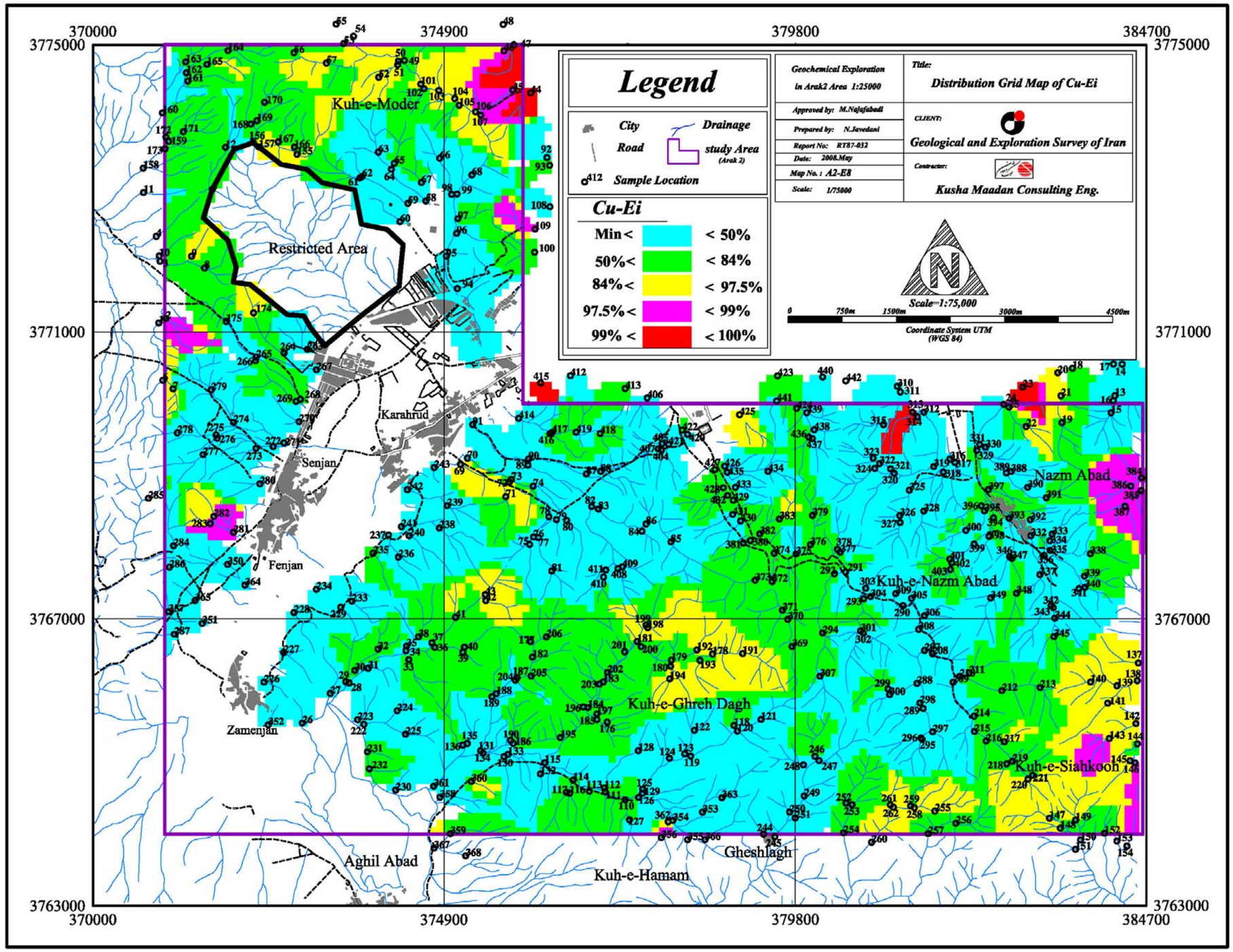

370000
374900
379800
384700
3775000
3771000
3767000
3763000
Legend
City
Road
Sample Location
Drainage
study Area
(Arak 2)
Au-Ei
Min < < 50%
50%< < 84%
84%< < 97.5%
97.5%< < 99%
99% < < 100%
Geochemical Exploration in Arak2 Area 1:25000
Title:
Distribution Grid Map of Au-Ei
Approved by: M.Najafabadi
Prepared by: N.Javedani
Report No: RT87-032
Date: 2008.May
Map No. : A2-E3
Scale: 1/75000
CLIENT:
Geological and Exploration Survey of Iran
Contractor:
Kusha Maadan Consulting Eng.
N
Scale=1:75,000
0 750m 1500m 3000m 4500m
Coordinate System UTM
(WGS 84)
Kuh-e-Moder
Restricted Area
Karahrud
Senjan
Fenjan
Zamenjan
Aghil Abad
Kuh-e-Hamam
Kuh-e-Ghreh Dagh
Gheshlagh
Nazm Abad
Kuh-e-Nazm Abad
Kuh-e-Siahkooh

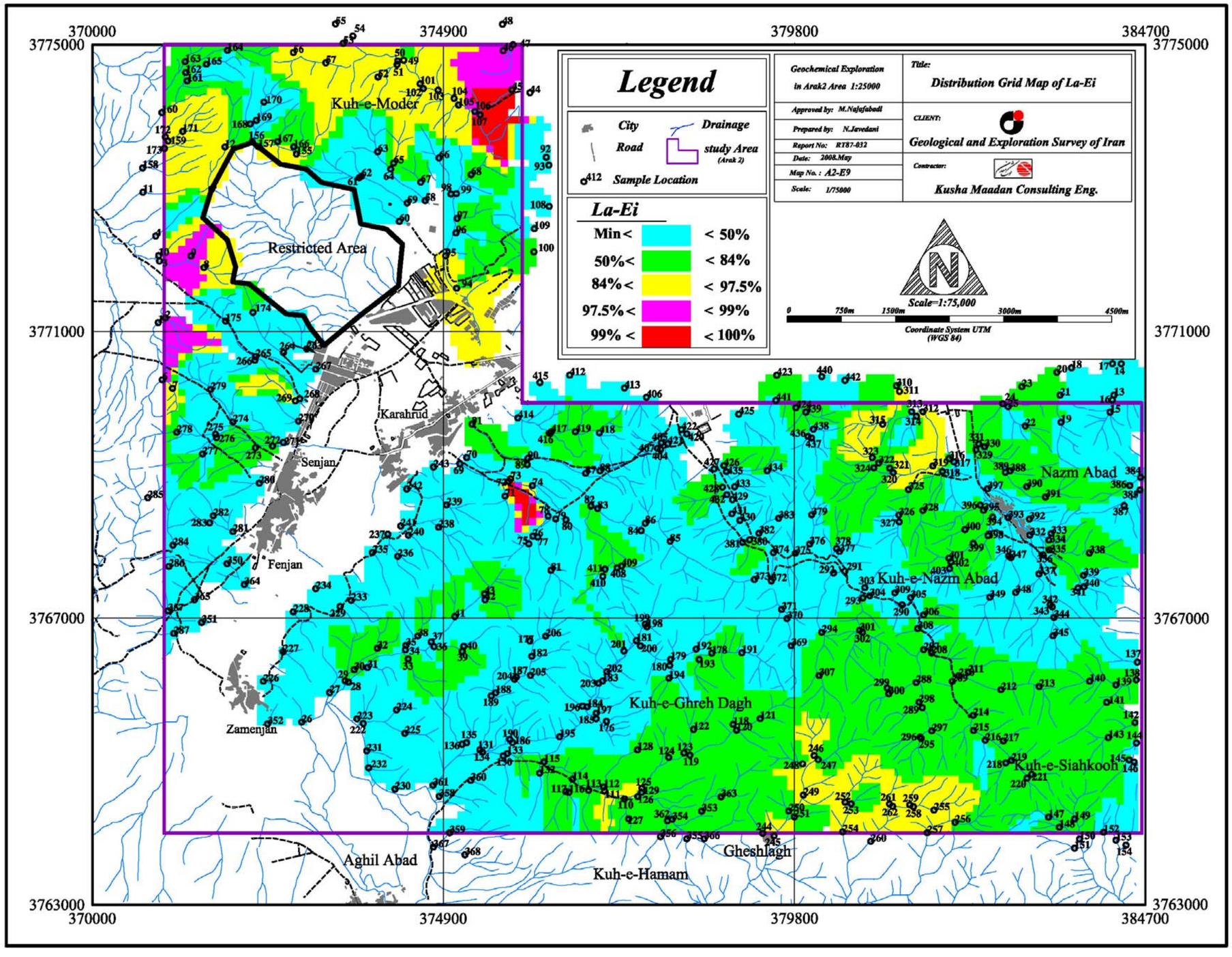

Legend
City
Road
Sample Location
Drainage
study Area
(Arak 2)
Ba-Ei
Min < < 50%
50%< < 84%
84%< < 97.5%
97.5%< < 99%
99% < < 100%
Geochemical Exploration in Arak2 Area 1:25000
Approved by: M.Najafabadi
Prepared by: N.Javedani
Report No: RT87-032
Date: 2008.May
Map No. : A2-E4
Scale: 1/75000
Title:
Distribution Grid Map of Ba-Ei
CLIENT:
Geological and Exploration Survey of Iran
Contractor:
Kusha Maadan Consulting Eng.
Scale=1:75,000
0 750m 1500m 3000m 4500m
Coordinate System UTM (WGS 84)
Restricted Area
Kuh-e-Moder
Karahrud
Senjan
Fenjan
Zamenjan
Aghil Abad
Kuh-e-Ghreh Dagh
Kuh-e-Hamam
Gheshlagh
Nazm Abad
Kuh-e-Nazm Abad
Kuh-e-Siahkooh
370000
374900
379800
384700
3775000
3771000
3767000
3763000

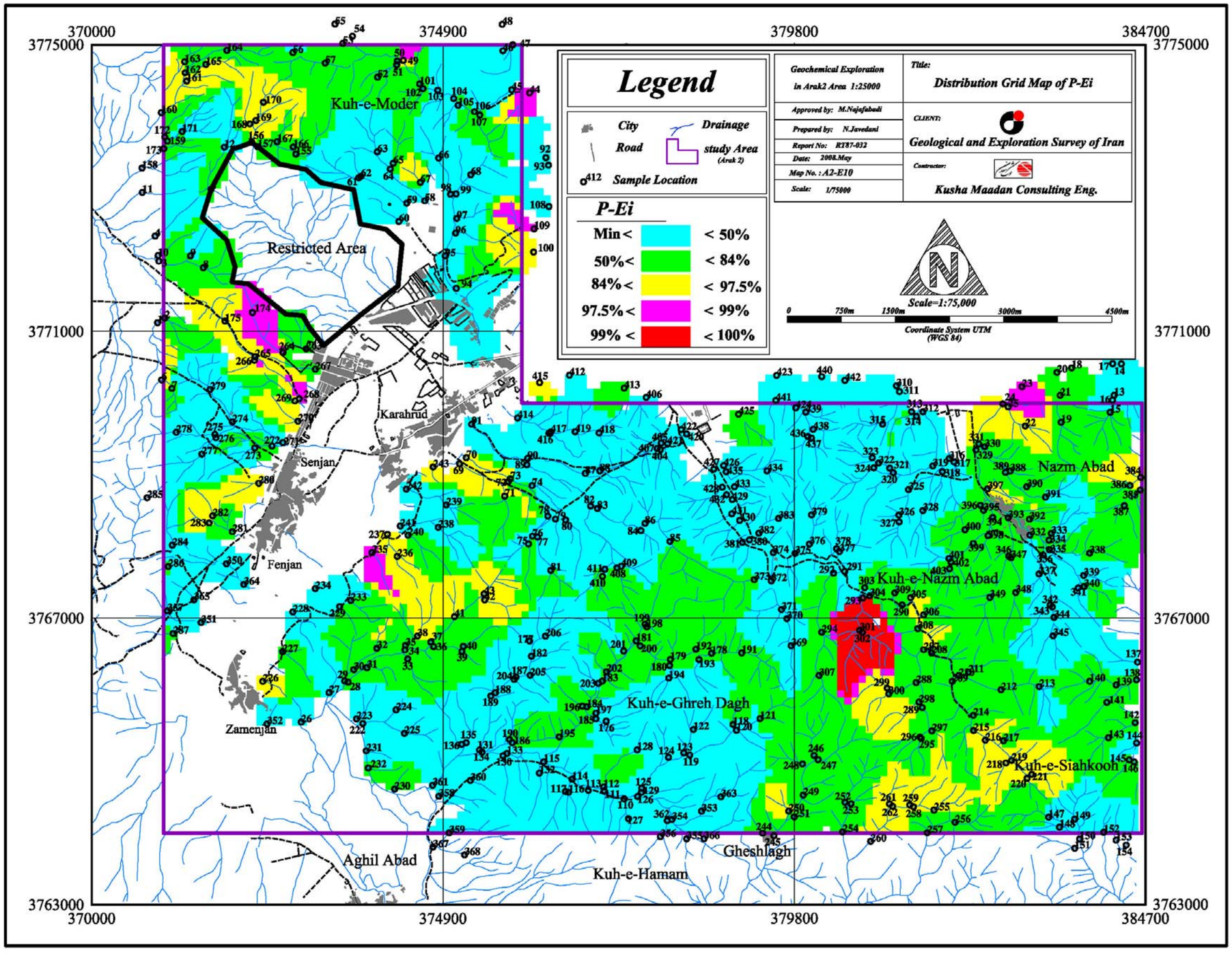

Legend
City
Road
Sample Location
Drainage
study Area
(Arak 2)
Bi-Ei
Min < < 50%
50%< < 84%
84%< < 97.5%
97.5%< < 99%
99% < < 100%
Geochemical Exploration in Arak2 Area 1:25000
Approved by: M.Najafabadi
Prepared by: N.Javedani
Report No: RT87-032
Date: 2008.May
Map No. : A2-E5
Scale: 1/75000
Title: Distribution Grid Map of Bi-Ei
CLIENT: Geological and Exploration Survey of Iran
Contractor: Kusha Maadan Consulting Eng.
Scale=1:75,000
0 750m 1500m 3000m 4500m
Coordinate System UTM (WGS 84)
370000
374900
379800
384700
3775000
3771000
3767000
3763000
Kuh-e-Moder
Restricted Area
Karahrud
Senjan
Fenjan
Zamenjan
Aghil Abad
Kuh-e-Hamam
Kuh-e-Ghreh Dagh
Gheshlagh
Kuh-e-Nazm Abad
Nazm Abad
Kuh-e-Siahkooh

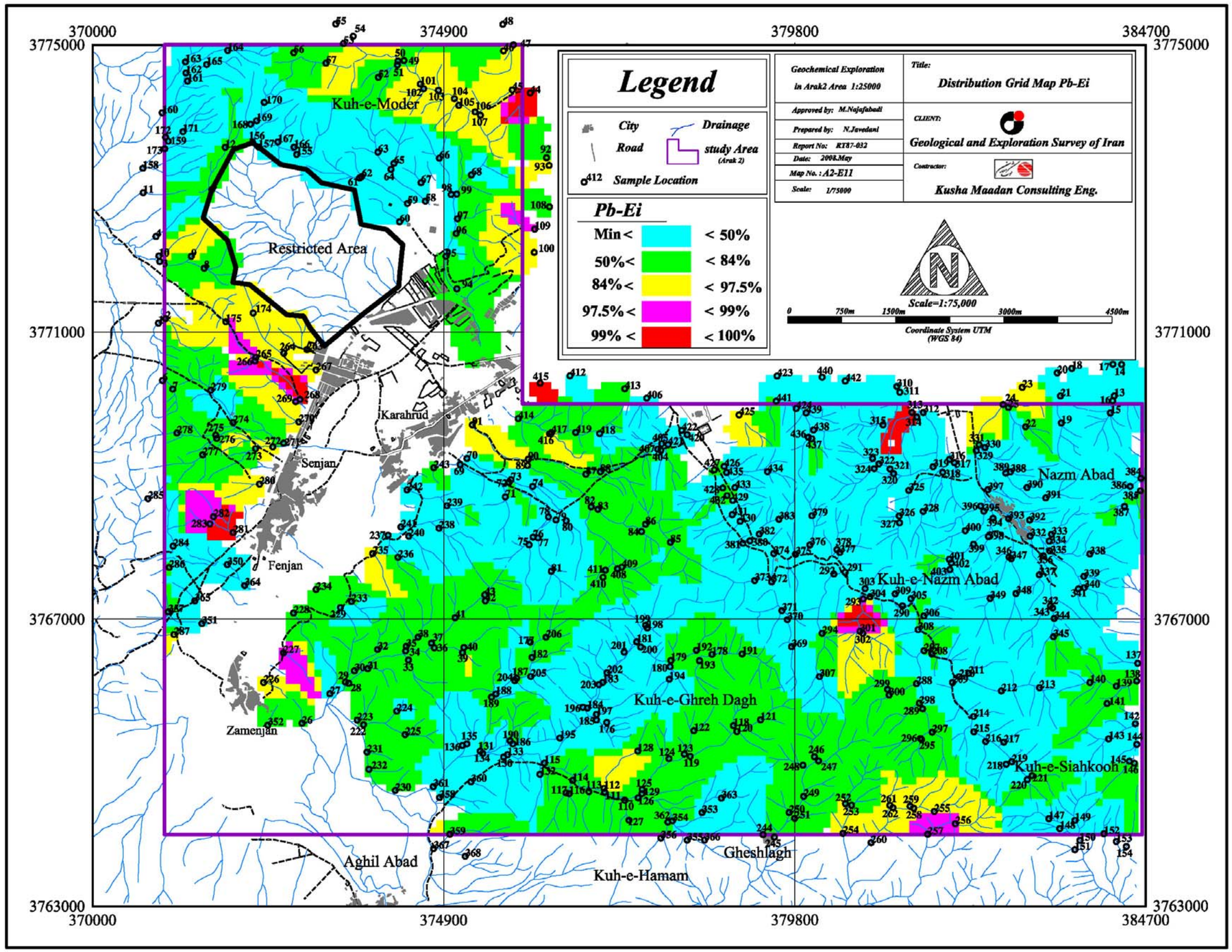

Legend
City
Road
Sample Location
Drainage
study Area
(Arak 2)
Cd-Ei
Min < < 50%
50%< < 84%
84%< < 97.5%
97.5%< < 99%
99% < < 100%
Geochemical Exploration in Arak2 Area 1:25000
Approved by: M.Najafabadi
Prepared by: N.Javedani
Report No: RT87-032
Date: 2008.May
Map No. : A2-E6
Scale: 1/75000
Title:
Distribution Grid Map of Cd-Ei
CLIENT:
Geological and Exploration Survey of Iran
Contractor:
Kusha Maadan Consulting Eng.
Scale=1:75,000
0 750m 1500m 3000m 4500m
Coordinate System UTM (WGS 84)
Restricted Area
Kuh-e-Moder
Karahrud
Senjan
Fenjan
Zamenjan
Aghil Abad
Kuh-e-Ghreh Dagh
Kuh-e-Hamam
Gheshlagh
Nazm Abad
Kuh-e-Nazm Abad
Kuh-e-Siahkooh
370000
374900
379800
384700
3775000
3771000
3767000
3763000

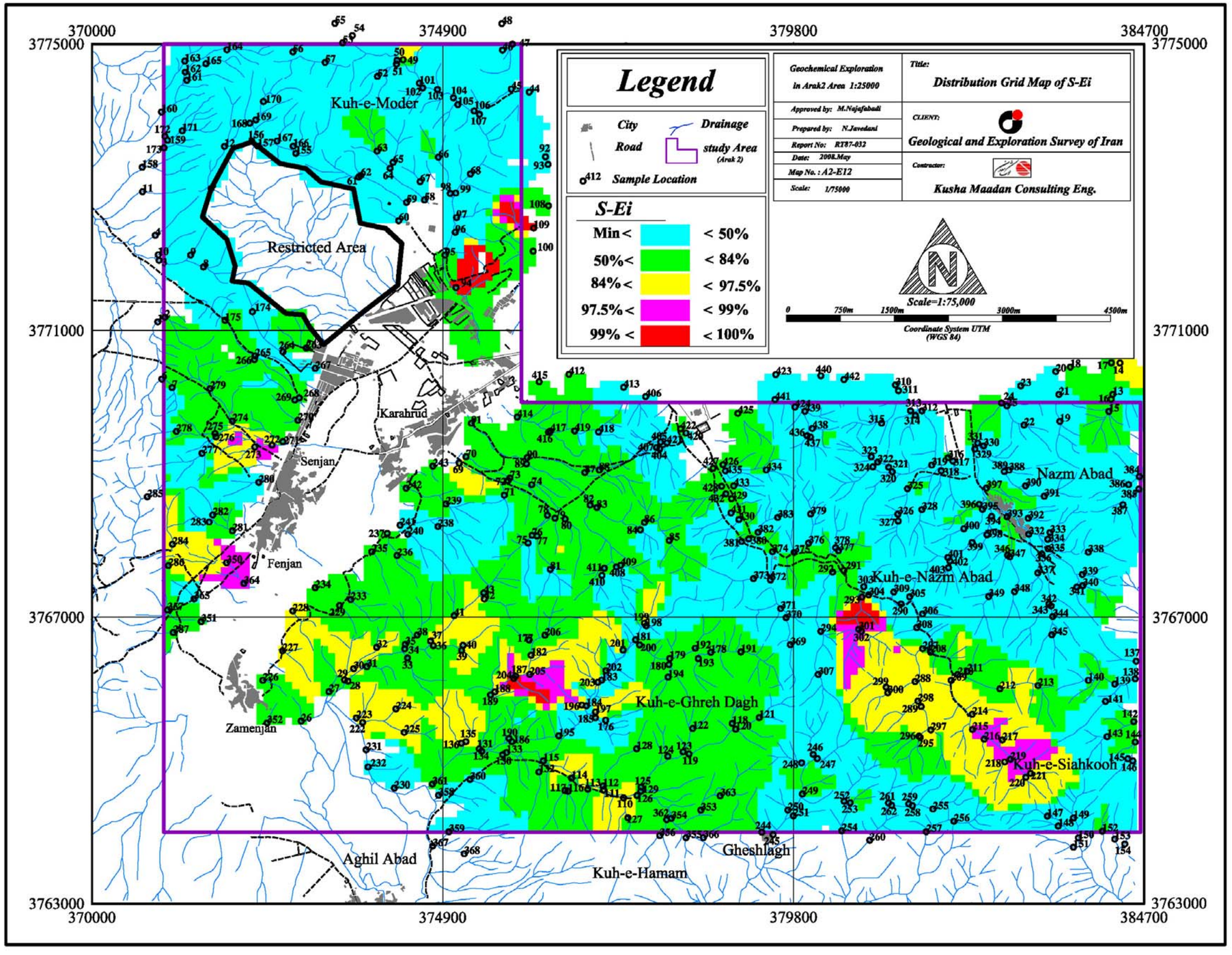

Legend
City
Road
Drainage
study Area
(Arak 2)
412 Sample Location
Ce-Ei
Min < < 50%
50%< < 84%
84%< < 97.5%
97.5%< < 99%
99% < < 100%
Geochemical Exploration
in Arak2 Area 1:25000
Approved by: M.Najafabadi
Prepared by: N.Javedani
Report No: RT87-032
Date: 2008.May
Map No. : A2-E7
Scale: 1/75000
Title:
Distribution Grid Map of Ce-Ei
CLIENT:
Geological and Exploration Survey of Iran
Contractor:
Kusha Maadan Consulting Eng.
N
Scale=1:75,000
0 750m 1500m 3000m 4500m
Coordinate System UTM
(WGS 84)
Restricted Area
Kuh-e-Moder
Karahrud
Senjan
Penjan
Zamenjan
Aghil Abad
Kuh-e-Hamam
Kuh-e-Ghreh Dagh
Gheshlagh
Kuh-e-Nazm Abad
Nazm Abad
Kuh-e-Siahkooh
370000
374900
379800
384700
3775000
3771000
3767000
3763000

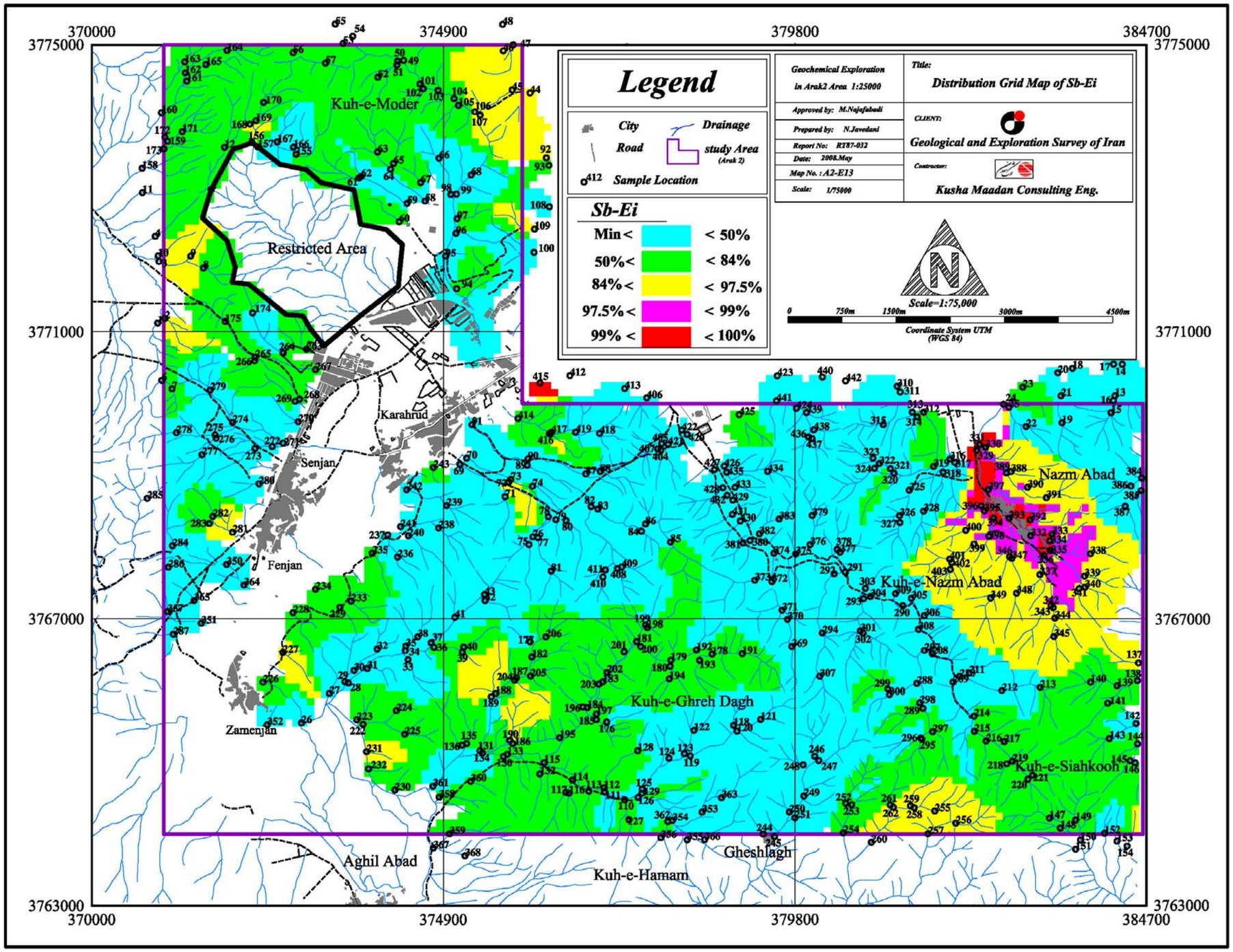

Legend
City
Road
Sample Location
Drainage
study Area
(Arak 2)
Cu-Ei
Min < < 50%
50%< < 84%
84%< < 97.5%
97.5%< < 99%
99% < < 100%
Geochemical Exploration in Arak2 Area 1:25000
Approved by: M.Najafabadi
Prepared by: N.Javedani
Report No: RT87-032
Date: 2008.May
Map No. : A2-E8
Scale: 1/75000
Title:
Distribution Grid Map of Cu-Ei
CLIENT:
Geological and Exploration Survey of Iran
Contractor:
Kusha Maadan Consulting Eng.
Scale=1:75,000
0 750m 1500m 3000m 4500m
Coordinate System UTM
(WGS 84)
Restricted Area
Kuh-e-Moder
Karahrud
Senjan
Fenjan
Zamenjan
Aghil Abad
Kuh-e-Ghreh Dagh
Kuh-e-Hamam
Gheshlagh
Nazm Abad
Kuh-e-Nazm Abad
Kuh-e-Siahkooh
370000
374900
379800
384700
3775000
3771000
3767000
3763000

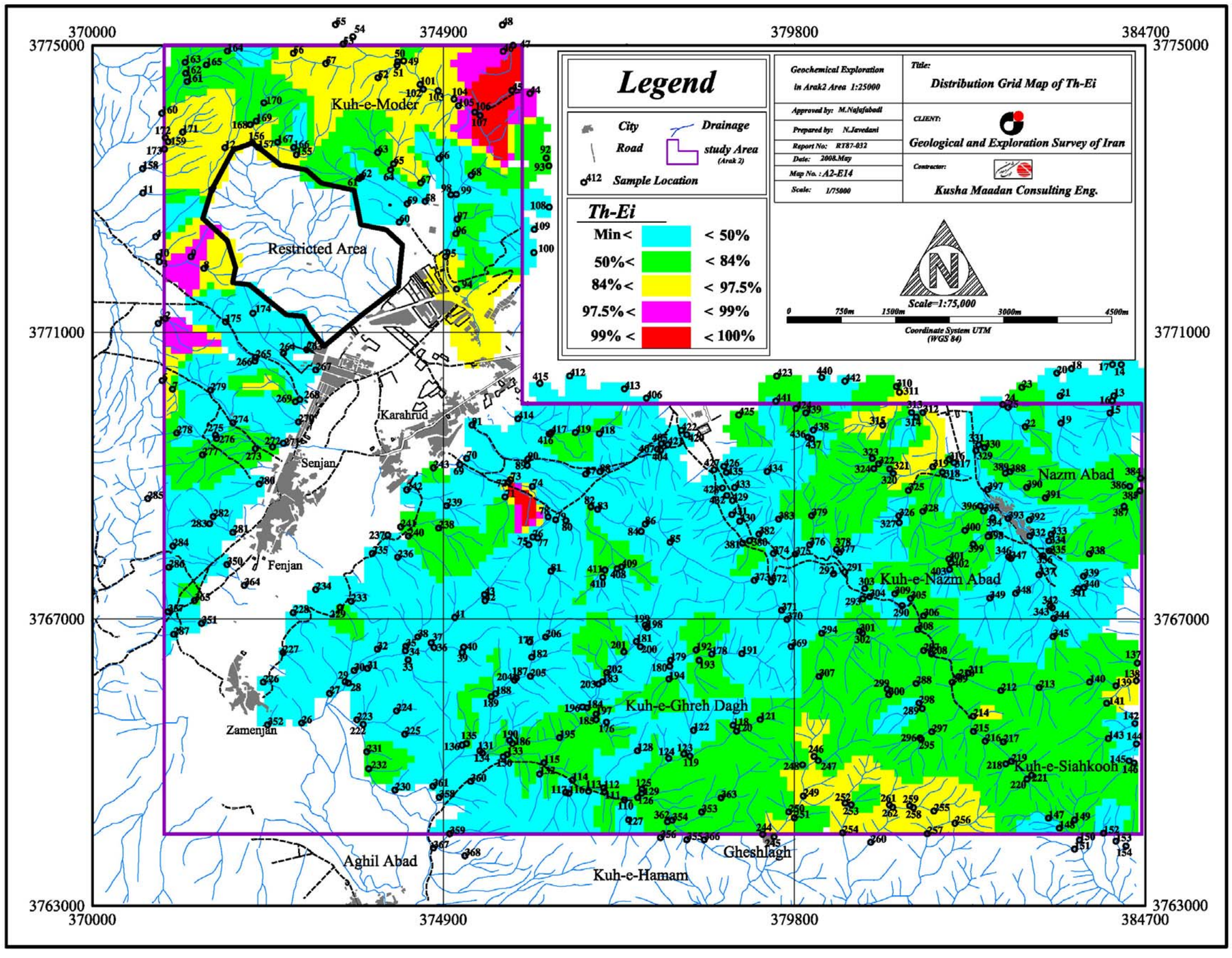

Legend
City
Road
Sample Location
Drainage
study Area
(Arak 2)
La-Ei
Min < < 50%
50%< < 84%
84%< < 97.5%
97.5%< < 99%
99% < < 100%
Geochemical Exploration
in Arak2 Area 1:25000
Approved by: M.Najafabadi
Prepared by: N.Javedani
Report No: RT87-032
Date: 2008.May
Map No. : A2-E9
Scale: 1/75000
Title:
Distribution Grid Map of La-Ei
CLIENT:
Geological and Exploration Survey of Iran
Contractor:
Kusha Maadan Consulting Eng.
Scale=1:75,000
0 750m 1500m 3000m 4500m
Coordinate System UTM
(WGS 84)
Restricted Area
Kuh-e-Moder
Karahrud
Senjan
Fenjan
Zamenjan
Aghil Abad
Kuh-e-Hamam
Kuh-e-Ghreh Dagh
Gheshlagh
Kuh-e-Nazm Abad
Nazm Abad
Kuh-e-Siahkooh
370000
374900
379800
384700
3775000
3771000
3767000
3763000

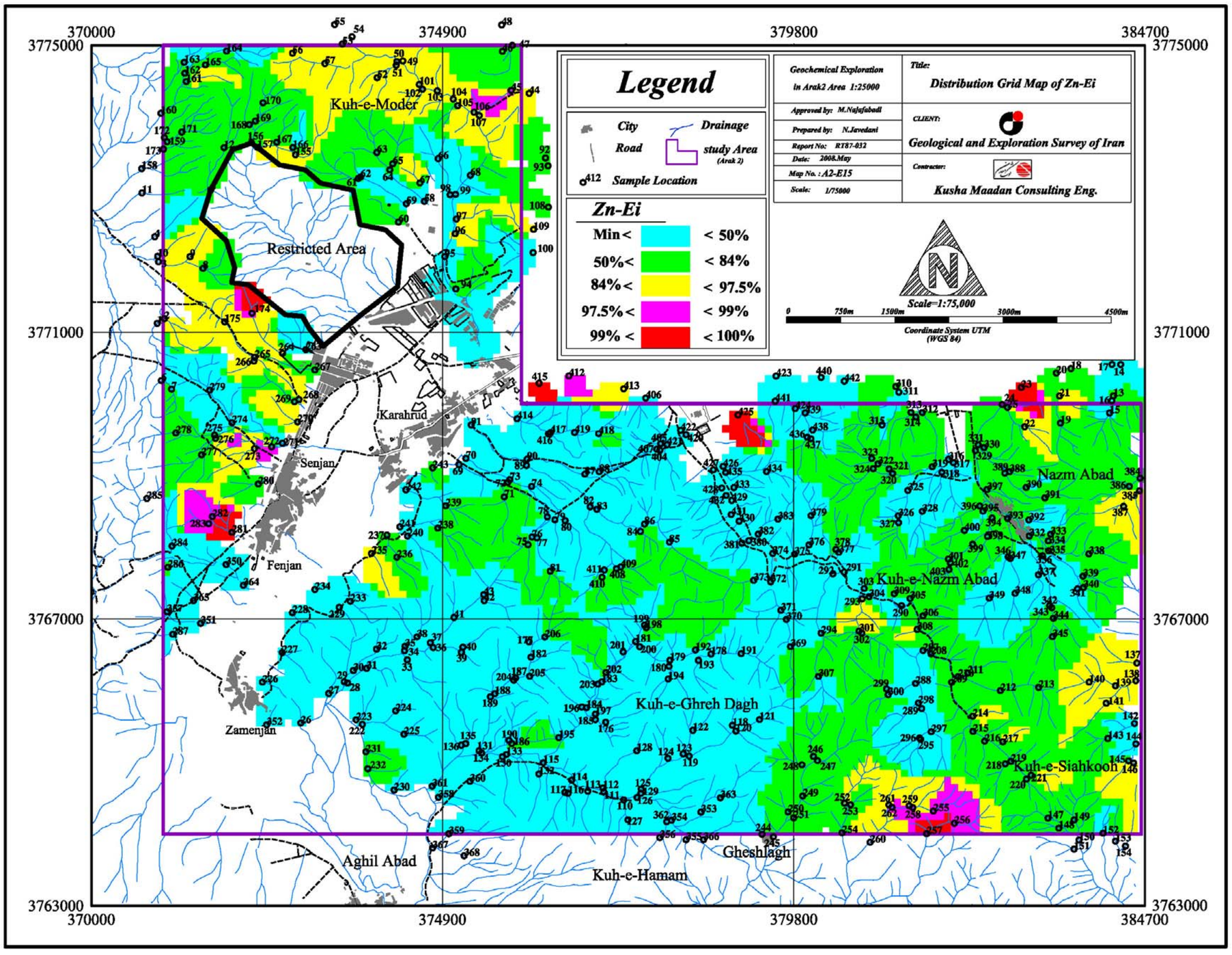

Legend
City
Road
Drainage
study Area
(Arak 2)
412 Sample Location
P-Ei
Min < < 50%
50%< < 84%
84%< < 97.5%
97.5%< < 99%
99% < < 100%
Geochemical Exploration
in Arak2 Area 1:25000
Approved by: M.Najafabadi
Prepared by: N.Javedani
Report No: RT87-032
Date: 2008.May
Map No. : A2-E10
Scale: 1/75000
Title:
Distribution Grid Map of P-Ei
CLIENT:
Geological and Exploration Survey of Iran
Contractor:
Kusha Maadan Consulting Eng.
N
Scale=1:75,000
0 750m 1500m 3000m 4500m
Coordinate System UTM
(WGS 84)
370000
374900
379800
384700
3775000
3771000
3767000
3763000
Kuh-e-Moder
Restricted Area
Karahrud
Senjan
Fenjan
Zamenjan
Aghil Abad
Kuh-e-Ghreh Dagh
Kuh-e-Hamam
Gheshlagh
Nazm Abad
Kuh-e-Nazm Abad
Kuh-e-Siahkooh

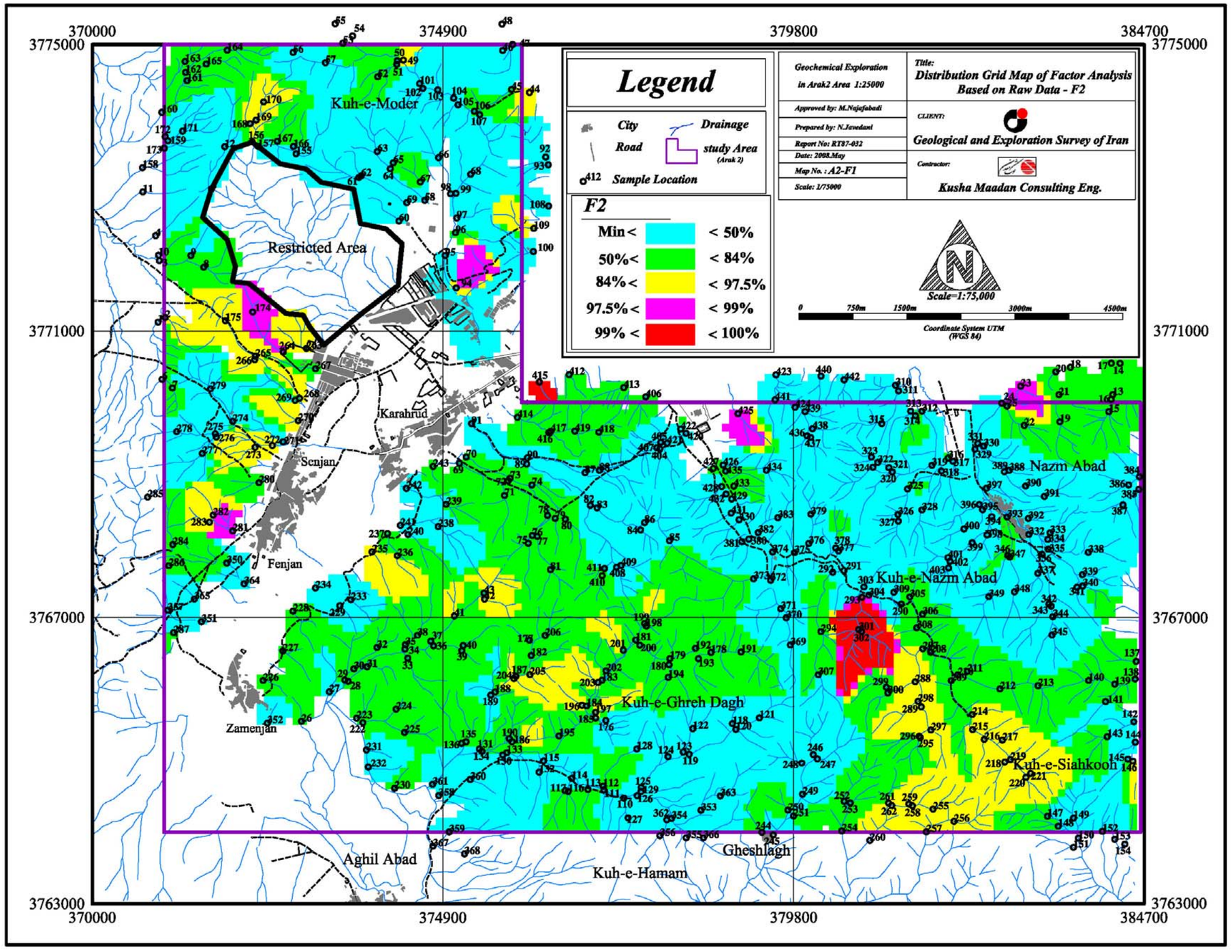

370000
374900
379800
384700
3775000
3771000
3767000
3763000
Legend
City
Road
Sample Location
Drainage
study Area
(Arak 2)
Pb-Ei
Min < < 50%
50%< < 84%
84%< < 97.5%
97.5%< < 99%
99% < < 100%
Geochemical Exploration
in Arak2 Area 1:25000
Approved by: M.Najafabadi
Prepared by: N.Javedani
Report No: RT87-032
Date: 2008.May
Map No. : A2-E11
Scale: 1/75000
Title:
Distribution Grid Map Pb-Ei
CLIENT:
Geological and Exploration Survey of Iran
Contractor:
Kusha Maadan Consulting Eng.
Scale=1:75,000
0 750m 1500m 3000m 4500m
Coordinate System UTM
(WGS 84)
Kuh-e-Moder
Restricted Area
Karahrud
Senjan
Fenjan
Zamenjan
Aghil Abad
Kuh-e-Hamam
Kuh-e-Ghreh Dagh
Gheshlagh
Nazm Abad
Kuh-e-Nazm Abad
Kuh-e-Siahkooh

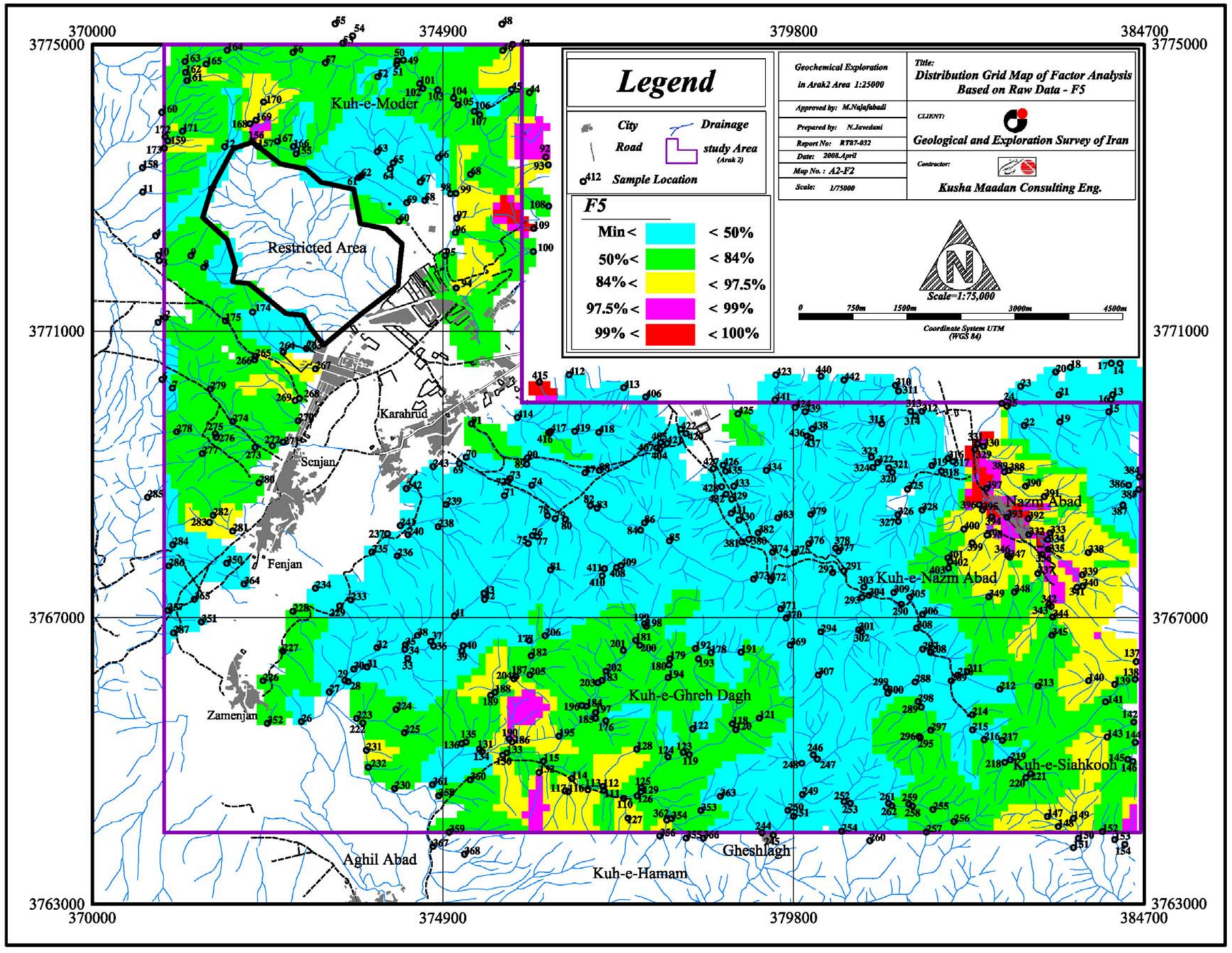

Legend
City
Road
Sample Location
Drainage
study Area
(Arak 2)
S-Ei
Min < < 50%
50%< < 84%
84%< < 97.5%
97.5%< < 99%
99% < < 100%
Geochemical Exploration
in Arak2 Area 1:25000
Approved by: M.Najafabadi
Prepared by: N.Javedani
Report No: RT87-032
Date: 2008.May
Map No. : A2-E12
Scale: 1/75000
Title:
Distribution Grid Map of S-Ei
CLIENT:
Geological and Exploration Survey of Iran
Contractor:
Kusha Maadan Consulting Eng.
Scale=1:75,000
0 750m 1500m 3000m 4500m
Coordinate System UTM
(WGS 84)
370000
374900
379800
384700
3775000
3771000
3767000
3763000
Kuh-e-Moder
Restricted Area
Karahrud
Senjan
Fenjan
Zamenjan
Aghil Abad
Kuh-e-Ghreh Dagh
Kuh-e-Hamam
Gheshlagh
Nazm Abad
Kuh-e-Nazm Abad
Kuh-e-Siahkooh

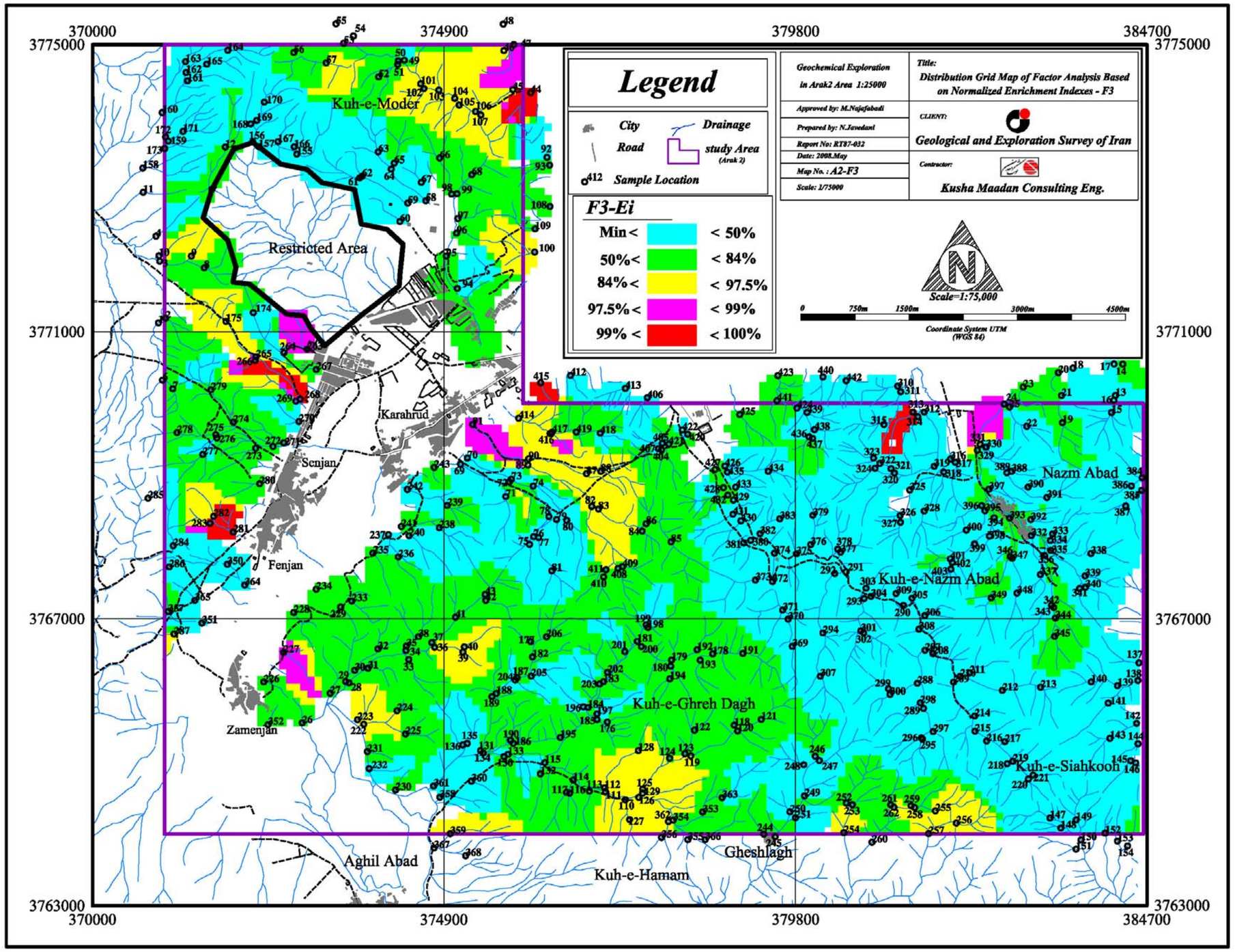

Legend
City
Road
Drainage
study Area (Arak 2)
412 Sample Location
Sb-Ei
Min < < 50%
50%< < 84%
84%< < 97.5%
97.5%< < 99%
99% < < 100%
Geochemical Exploration in Arak2 Area 1:25000
Approved by: M.Najafabadi
Prepared by: N.Javedani
Report No: RT87-032
Date: 2008.May
Map No. : A2-E13
Scale: 1/75000
Title: Distribution Grid Map of Sb-Ei
CLIENT: Geological and Exploration Survey of Iran
Contractor: Kusha Maadan Consulting Eng.
Scale=1:75,000
0 750m 1500m 3000m 4500m
Coordinate System UTM (WGS 84)
370000
374900
379800
384700
3775000
3771000
3767000
3763000
Kuh-e-Moder
Restricted Area
Karahrud
Senjan
Fenjan
Zamenjan
Aghil Abad
Kuh-e-Ghreh Dagh
Kuh-e-Hamam
Gheshlagh
Nazm Abad
Kuh-e-Nazm Abad
Kuh-e-Siahkooh

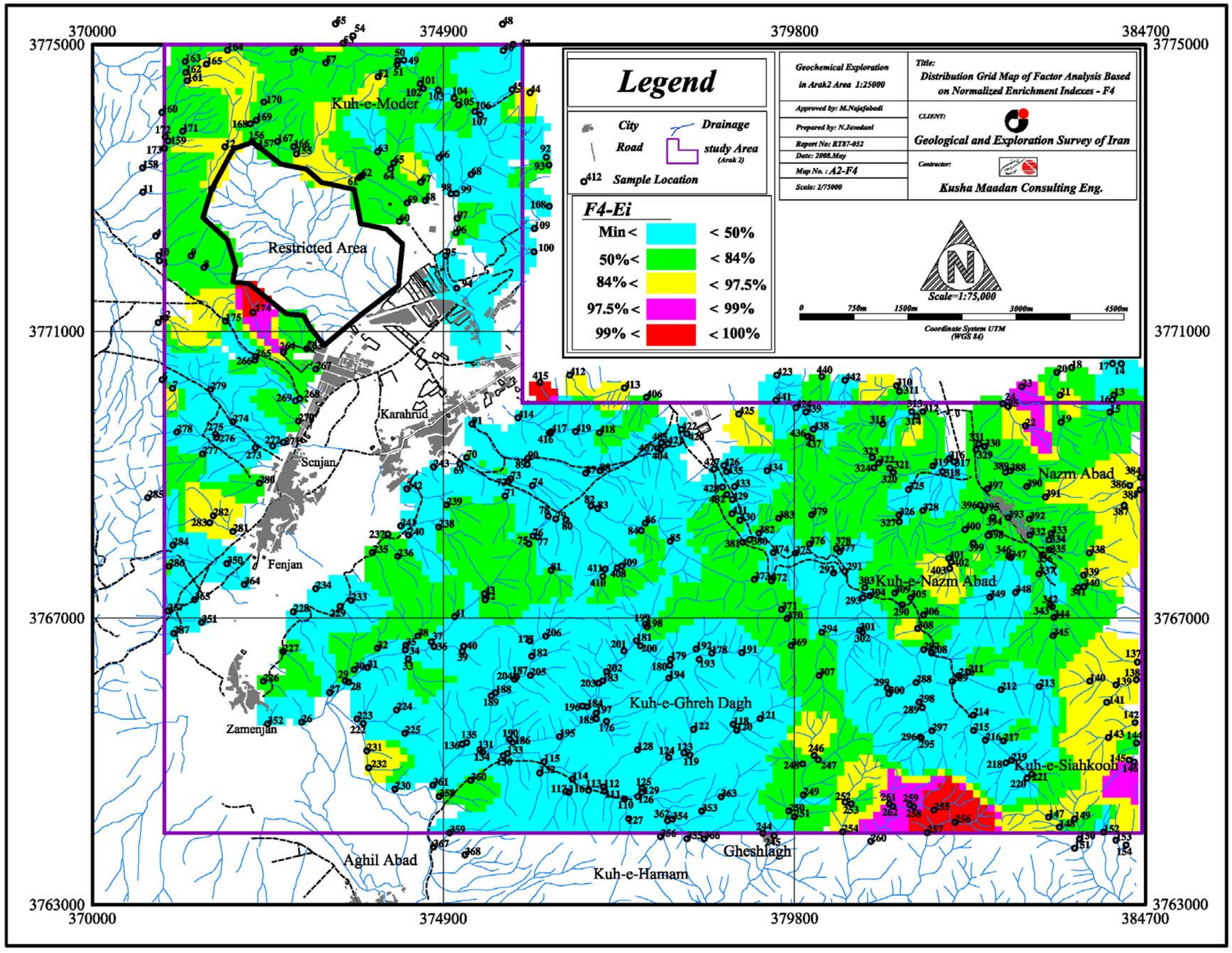

Legend
City
Road
Drainage
study Area
(Arak 2)
412 Sample Location
Th-Ei
Min < < 50%
50%< < 84%
84%< < 97.5%
97.5%< < 99%
99% < < 100%
Geochemical Exploration
in Arak2 Area 1:25000
Approved by: M.Najafabadi
Prepared by: N.Javedani
Report No: RT87-032
Date: 2008.May
Map No. : A2-E14
Scale: 1/75000
Title:
Distribution Grid Map of Th-Ei
CLIENT:
Geological and Exploration Survey of Iran
Contractor:
Kusha Maadan Consulting Eng.
Scale=1:75,000
0 750m 1500m 3000m 4500m
Coordinate System UTM
(WGS 84)
370000
374900
379800
384700
3775000
3771000
3767000
3763000
Kuh-e-Moder
Restricted Area
Karahrud
Senjan
Fenjan
Zamenjan
Aghil Abad
Kuh-e-Hamam
Kuh-e-Ghreh Dagh
Gheshlagh
Kuh-e-Nazm Abad
Nazm Abad
Kuh-e-Siahkooh

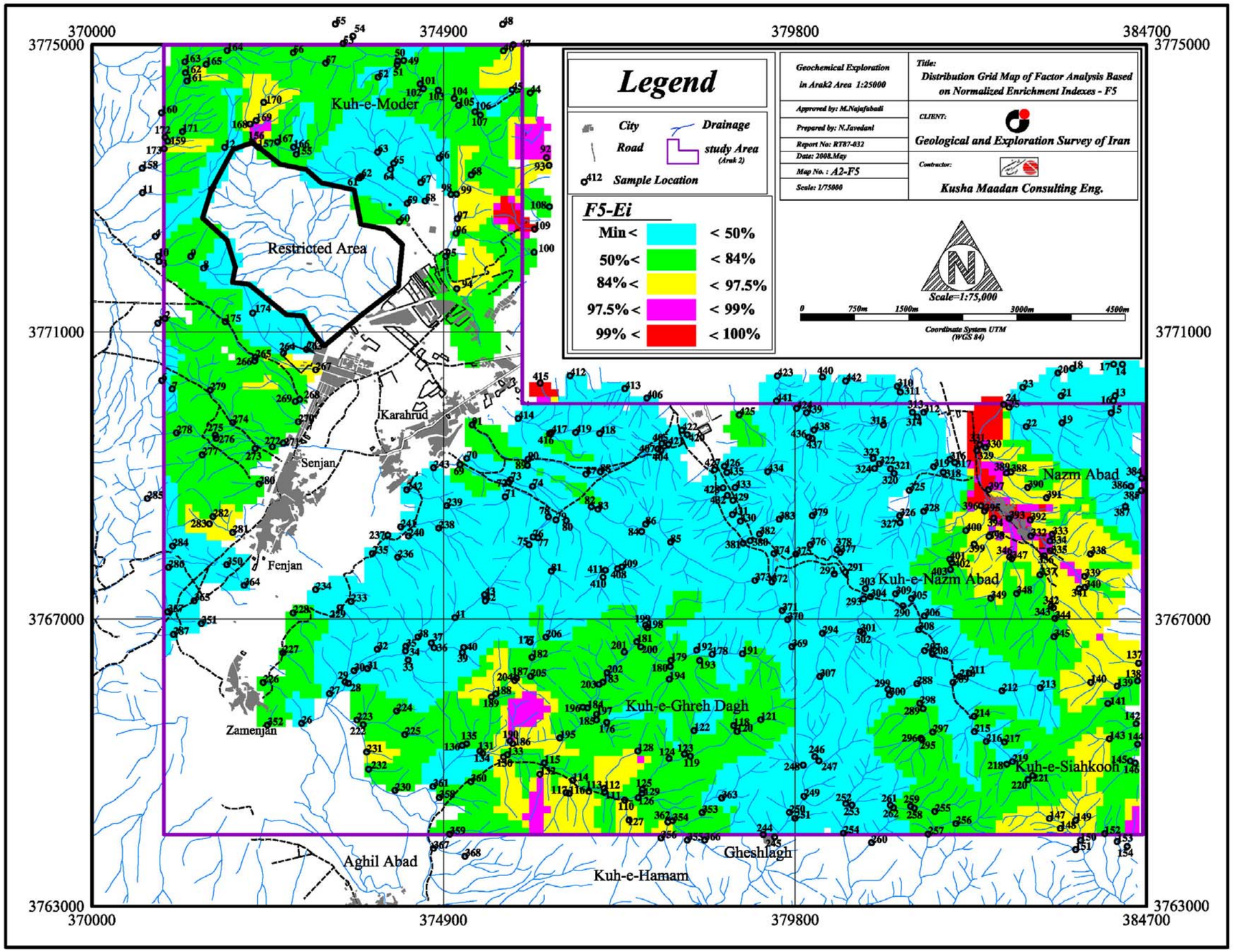

Legend
City
Road
Drainage
study Area
(Arak 2)
412 Sample Location
Zn-Ei
Min < < 50%
50%< < 84%
84%< < 97.5%
97.5%< < 99%
99% < < 100%
Geochemical Exploration
in Arak2 Area 1:25000
Title:
Distribution Grid Map of Zn-Ei
Approved by: M.Najafabadi
Prepared by: N.Javedani
Report No: RT87-032
Date: 2008.May
Map No. : A2-E15
Scale: 1/75000
CLIENT:
Geological and Exploration Survey of Iran
Contractor:
Kusha Maadan Consulting Eng.
Scale=1:75,000
0 750m 1500m 3000m 4500m
Coordinate System UTM
(WGS 84)
Restricted Area
Kuh-e-Moder
Karahrud
Senjan
Fenjan
Zamenjan
Aghil Abad
Kuh-e-Ghreh Dagh
Kuh-e-Hamam
Gheshlagh
Kuh-e-Nazm Abad
Nazm Abad
Kuh-e-Siahkooh
370000
374900
379800
384700
3775000
3771000
3767000
3763000

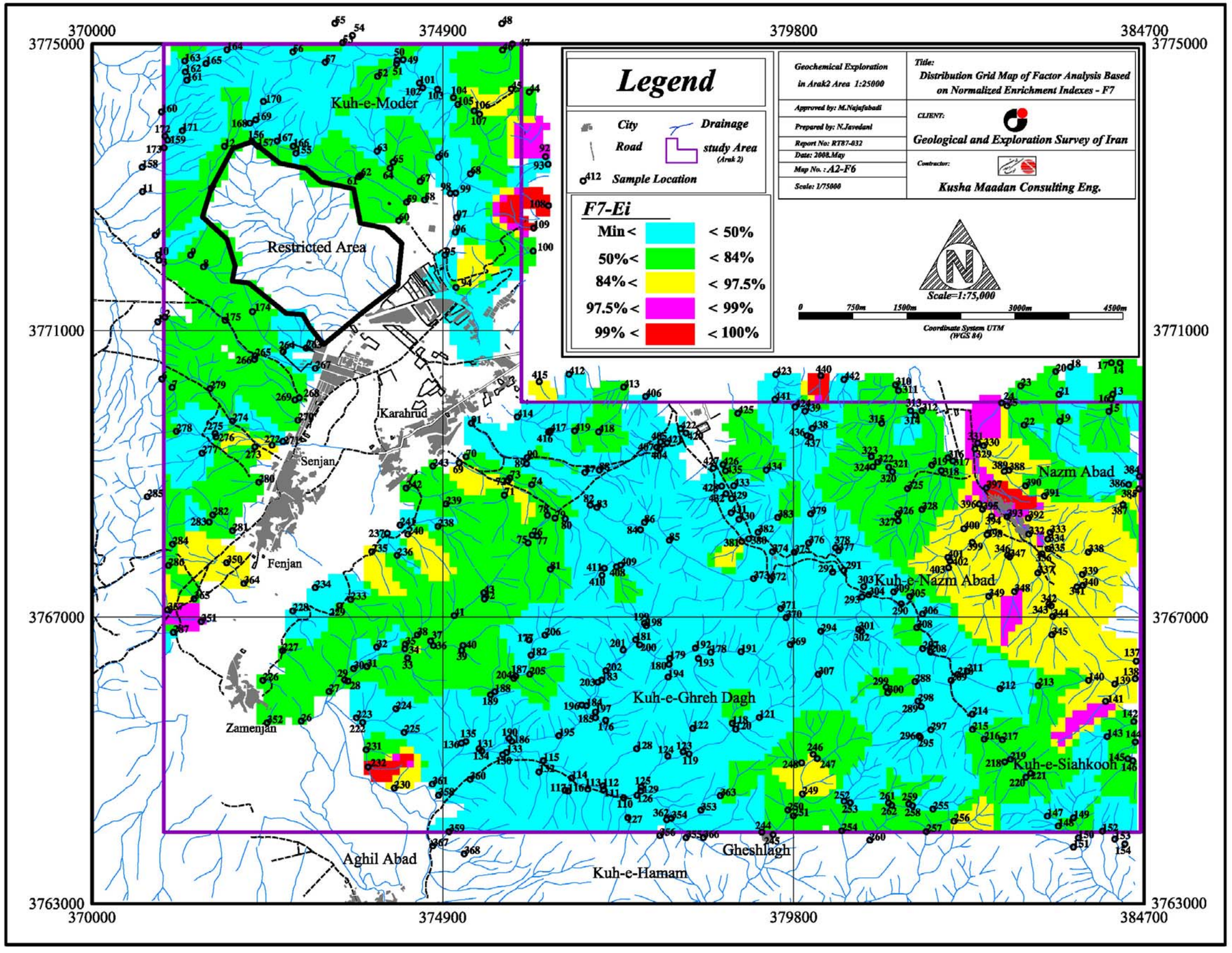

Legend
City
Drainage
Road
study Area (Arak 2)
412 Sample Location
F2
Min < < 50%
50%< < 84%
84%< < 97.5%
97.5%< < 99%
99% < < 100%
Geochemical Exploration in Arak2 Area 1:25000
Approved by: M.Najafabadi
Prepared by: N.Javedani
Report No: RT87-032
Date: 2008.May
Map No. : A2-F1
Scale: 1/75000
Title: Distribution Grid Map of Factor Analysis Based on Raw Data - F2
CLIENT: Geological and Exploration Survey of Iran
Contractor: Kusha Maadan Consulting Eng.
Scale=1:75,000
0 750m 1500m 3000m 4500m
Coordinate System UTM (WGS 84)
Kuh-e-Moder
Restricted Area
Karahrud
Senjan
Fenjan
Zamenjan
Aghil Abad
Kuh-e-Hamam
Kuh-e-Ghreh Dagh
Gheshlagh
Nazm Abad
Kuh-e-Nazm Abad
Kuh-e-Siahkooh
370000
374900
379800
384700
3775000
3771000
3767000
3763000

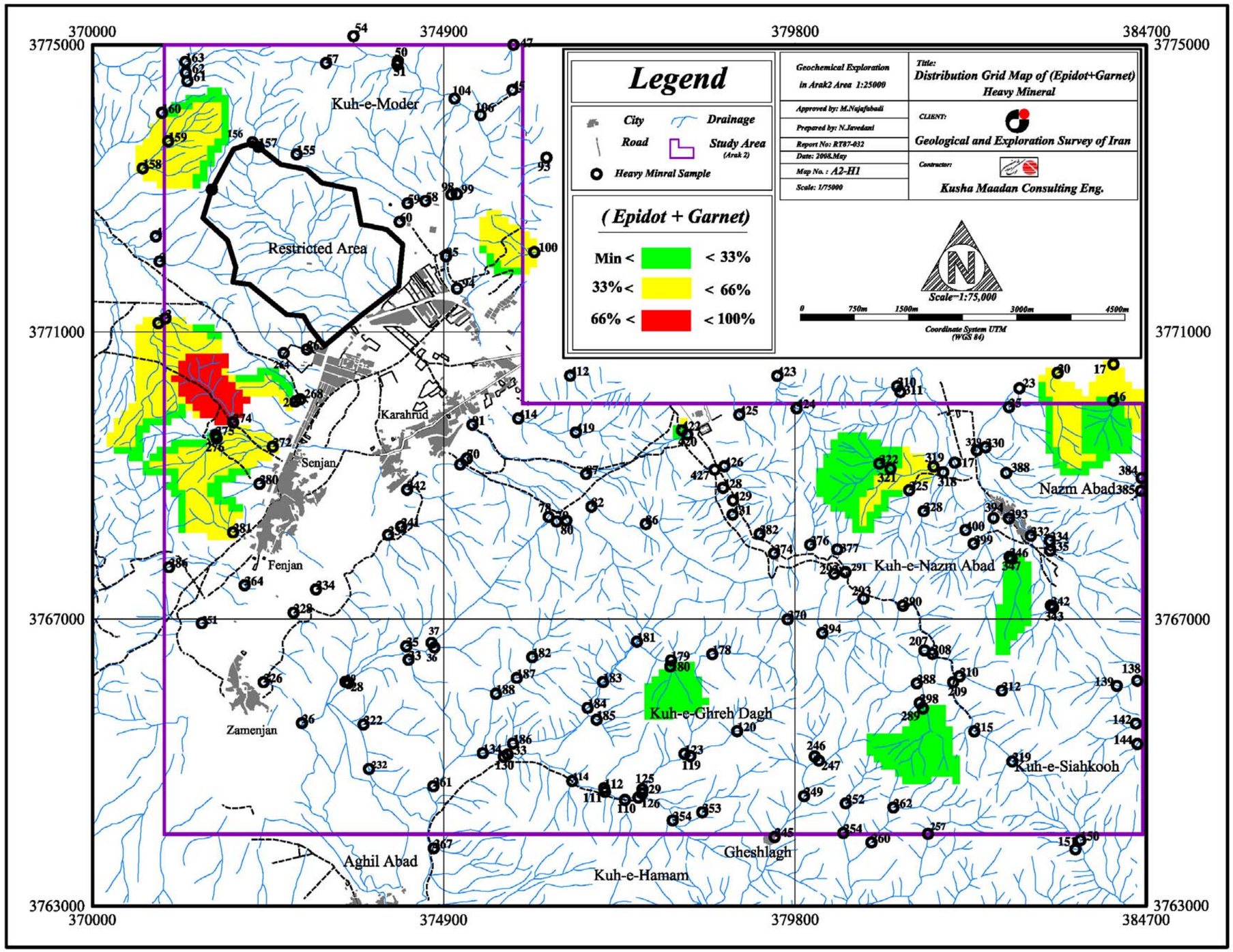

Legend
City
Drainage
Road
study Area (Arak 2)
412 Sample Location
F5
Min < < 50%
50%< < 84%
84%< < 97.5%
97.5%< < 99%
99% < < 100%
Geochemical Exploration in Arak2 Area 1:25000
Approved by: M.Najafabadi
Prepared by: N.Javedani
Report No: RT87-032
Date: 2008.April
Map No. : A2-F2
Scale: 1/75000
Title: Distribution Grid Map of Factor Analysis Based on Raw Data - F5
CLIENT: Geological and Exploration Survey of Iran
Contractor: Kusha Maadan Consulting Eng.
N
Scale=1:75,000
0 750m 1500m 3000m 4500m
Coordinate System UTM (WGS 84)
Kuh-e-Moder
Restricted Area
Karahrud
Senjan
Penjan
Zamenjan
Aghil Abad
Kuh-e-Ghreh Dagh
Kuh-e-Hamam
Gheshlagh
Nazm Abad
Kuh-e-Nazm Abad
Kuh-e-Siahkooh
370000
374900
379800
384700
3775000
3771000
3767000
3763000

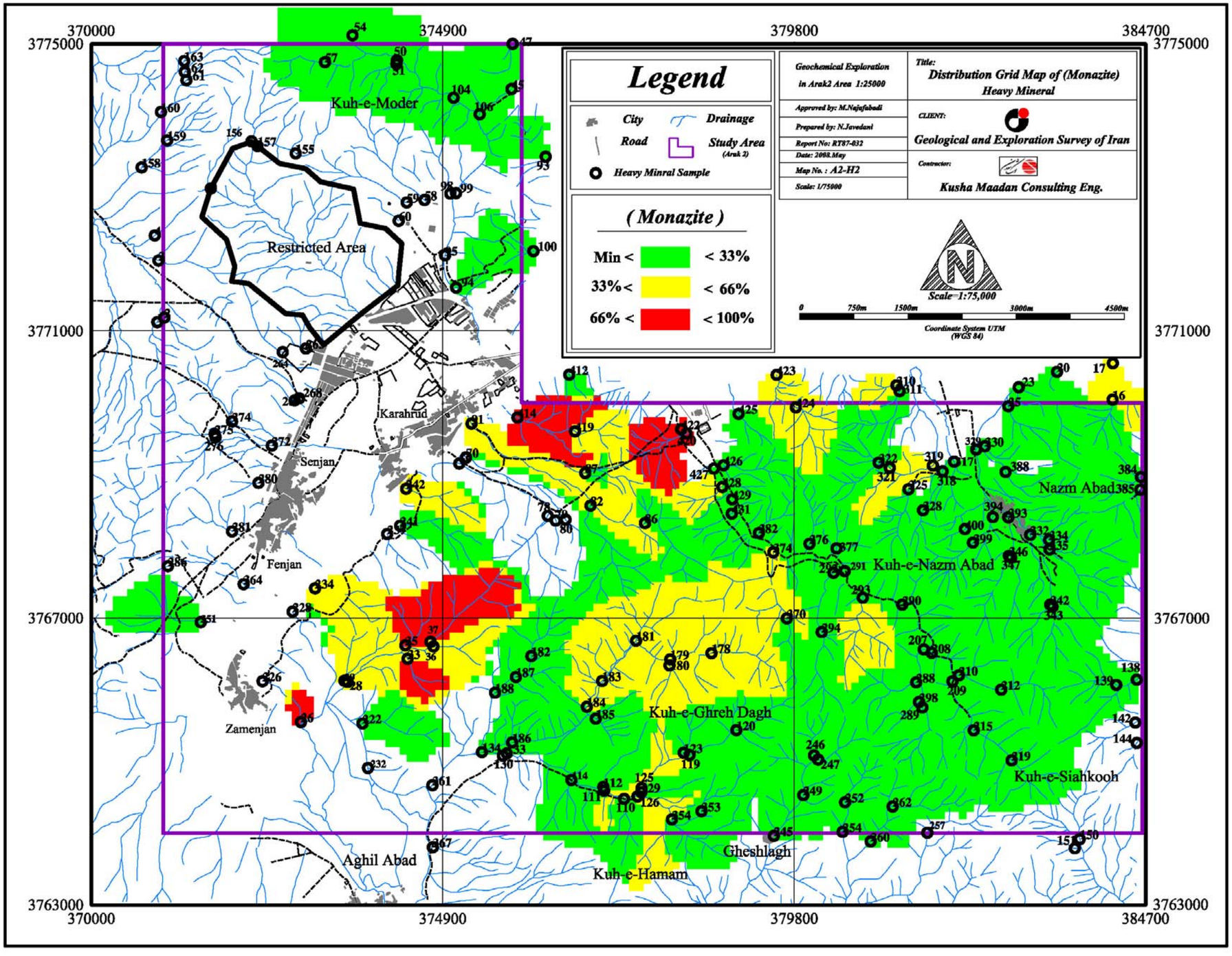

Legend
City
Road
Drainage
study Area (Arak 2)
412 Sample Location
F3-Ei
Min < < 50%
50%< < 84%
84%< < 97.5%
97.5%< < 99%
99% < < 100%
Geochemical Exploration in Arak2 Area 1:25000
Approved by: M.Najafabadi
Prepared by: N.Javedani
Report No: RT87-032
Date: 2008.May
Map No. : A2-F3
Scale: 1/75000
Title: Distribution Grid Map of Factor Analysis Based on Normalized Enrichment Indexes - F3
CLIENT: Geological and Exploration Survey of Iran
Contractor: Kusha Maadan Consulting Eng.
N
Scale=1:75,000
0 750m 1500m 3000m 4500m
Coordinate System UTM (WGS 84)
370000
374900
379800
384700
3775000
3771000
3767000
3763000
Kuh-e-Moder
Restricted Area
Karahrud
Senjan
Fenjan
Zamenjan
Aghil Abad
Kuh-e-Ghreh Dagh
Kuh-e-Hamam
Gheshlagh
Nazm Abad
Kuh-e-Nazm Abad
Kuh-e-Siahkooh

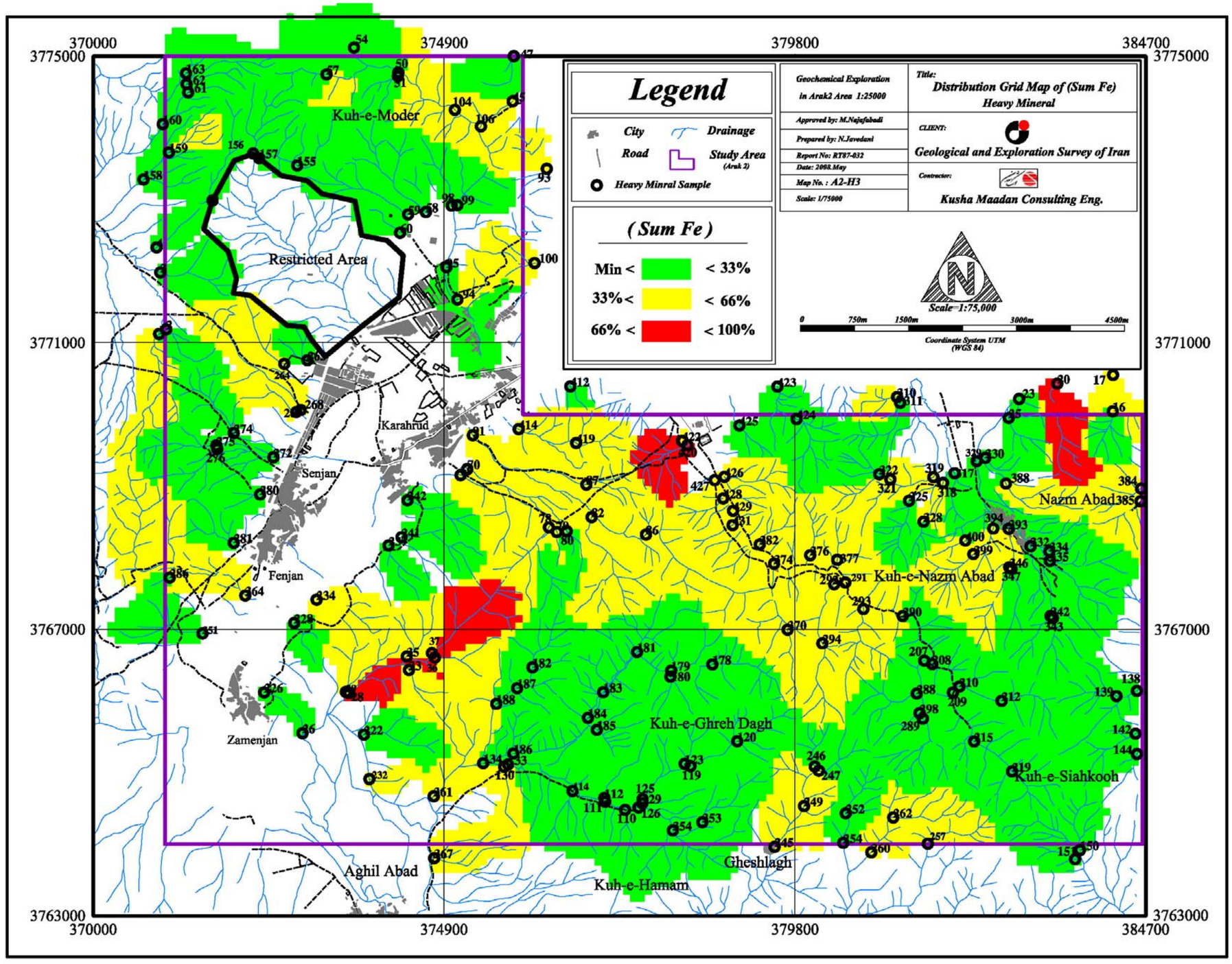

Legend
City
Road
Drainage
study Area
(Arak 2)
412 Sample Location
F4-Ei
Min < < 50%
50%< < 84%
84%< < 97.5%
97.5%< < 99%
99% < < 100%
Geochemical Exploration in Arak2 Area 1:25000
Approved by: M.Najafabadi
Prepared by: N.Javedani
Report No: RT87-032
Date: 2008.May
Map No. : A2-F4
Scale: 1/75000
Title:
Distribution Grid Map of Factor Analysis Based on Normalized Enrichment Indexes - F4
CLIENT:
Geological and Exploration Survey of Iran
Contractor:
Kusha Maadan Consulting Eng.
Scale=1:75,000
0 750m 1500m 3000m 4500m
Coordinate System UTM (WGS 84)
370000
374900
379800
384700
3775000
3771000
3767000
3763000
Kuh-e-Moder
Restricted Area
Karahrud
Senjan
Penjan
Zamenjan
Aghil Abad
Kuh-e-Ghreh Dagh
Kuh-e-Hamam
Gheshlagh
Nazm Abad
Kuh-e-Nazm Abad
Kuh-e-Siahkooh

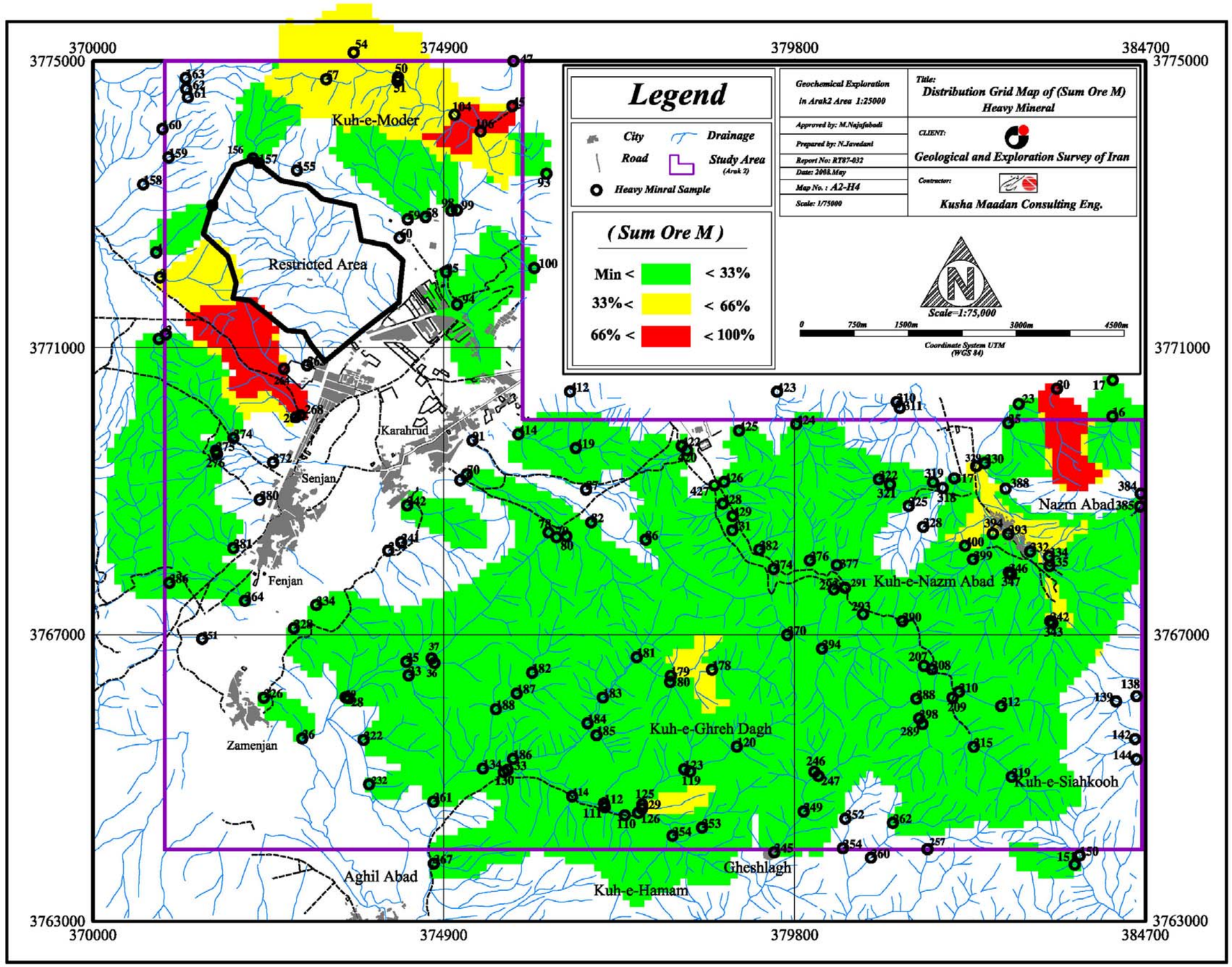

370000
374900
379800
384700
3775000
3771000
3767000
3763000
Legend
City
Road
Sample Location
Drainage
study Area
(Arak 2)
F5-Ei
Min < < 50%
50%< < 84%
84%< < 97.5%
97.5%< < 99%
99% < < 100%
Geochemical Exploration in Arak2 Area 1:25000
Approved by: M.Najafzbadi
Prepared by: N.Javedani
Report No: RT87-032
Date: 2008.May
Map No. : A2-F5
Scale: 1/75000
Title: Distribution Grid Map of Factor Analysis Based on Normalized Enrichment Indexes - F5
CLIENT: Geological and Exploration Survey of Iran
Contractor: Kusha Maadan Consulting Eng.
N
Scale=1:75,000
0 750m 1500m 3000m 4500m
Coordinate System UTM (WGS 84)
Kuh-e-Moder
Restricted Area
Karahrud
Senjan
Fenjan
Zamenjan
Aghil Abad
Kuh-e-Ghreh Dagh
Kuh-e-Hamam
Gheshlagh
Nazm Abad
Kuh-e-Nazm Abad
Kuh-e-Siahkooh

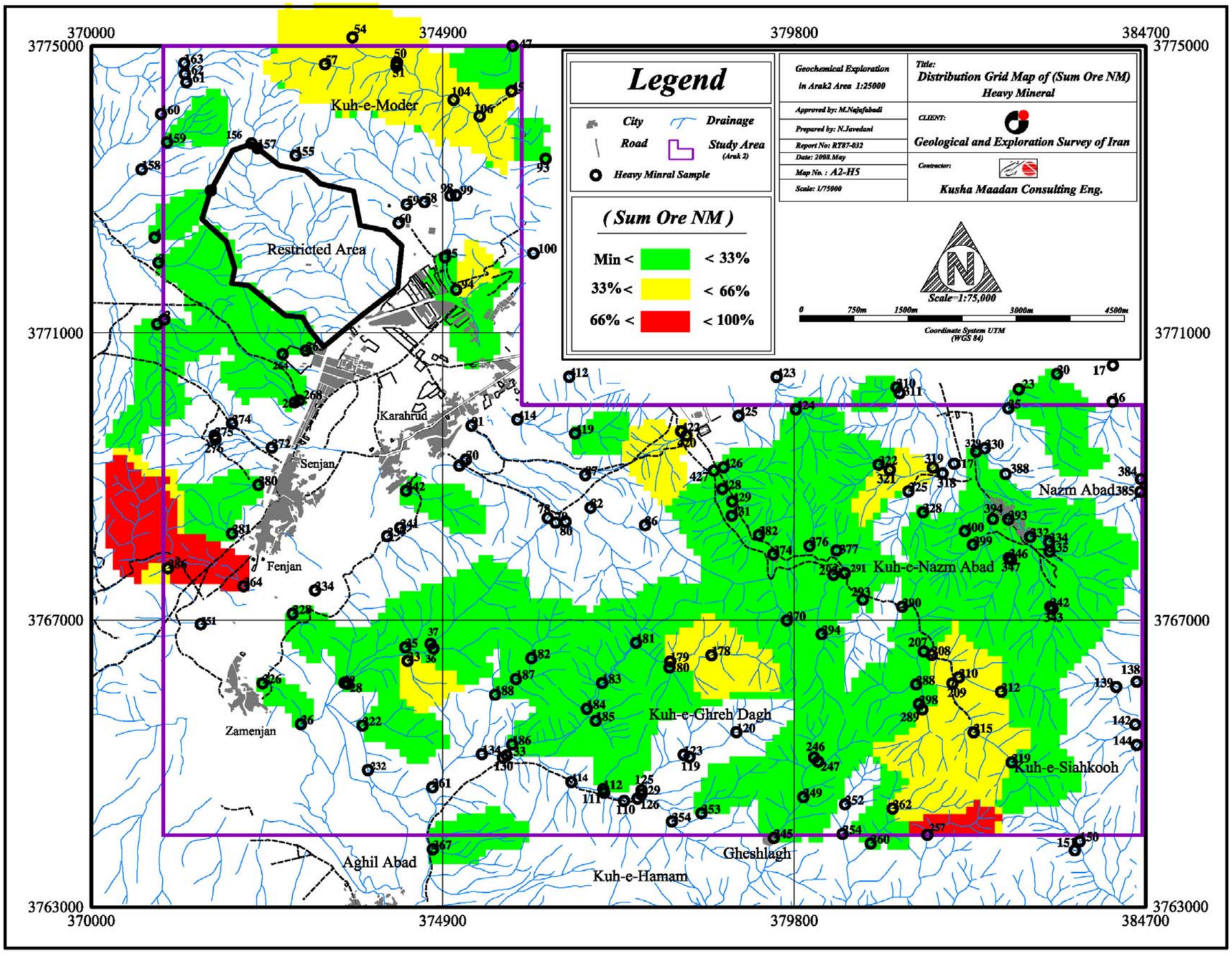

370000
374900
379800
384700
3775000
3771000
3767000
3763000
Legend
City
Road
Sample Location
Drainage
study Area
(Arak 2)
F7-Ei
Min < < 50%
50%< < 84%
84%< < 97.5%
97.5%< < 99%
99% < < 100%
Geochemical Exploration in Arak2 Area 1:25000
Title:
Distribution Grid Map of Factor Analysis Based on Normalized Enrichment Indexes - F7
Approved by: M.Najafzbadi
Prepared by: N.Javedani
Report No: RT87-032
Date: 2008.May
Map No. : A2-F6
Scale: 1/75000
CLIENT:
Geological and Exploration Survey of Iran
Contractor:
Kusha Maadan Consulting Eng.
Scale=1:75,000
0 750m 1500m 3000m 4500m
Coordinate System UTM (WGS 84)
Restricted Area
Kuh-e-Moder
Karahrud
Senjan
Fenjan
Zamenjan
Aghil Abad
Kuh-e-Ghreh Dagh
Kuh-e-Hamam
Gheshlagh
Kuh-e-Nazm Abad
Nazm Abad
Kuh-e-Siahkooh

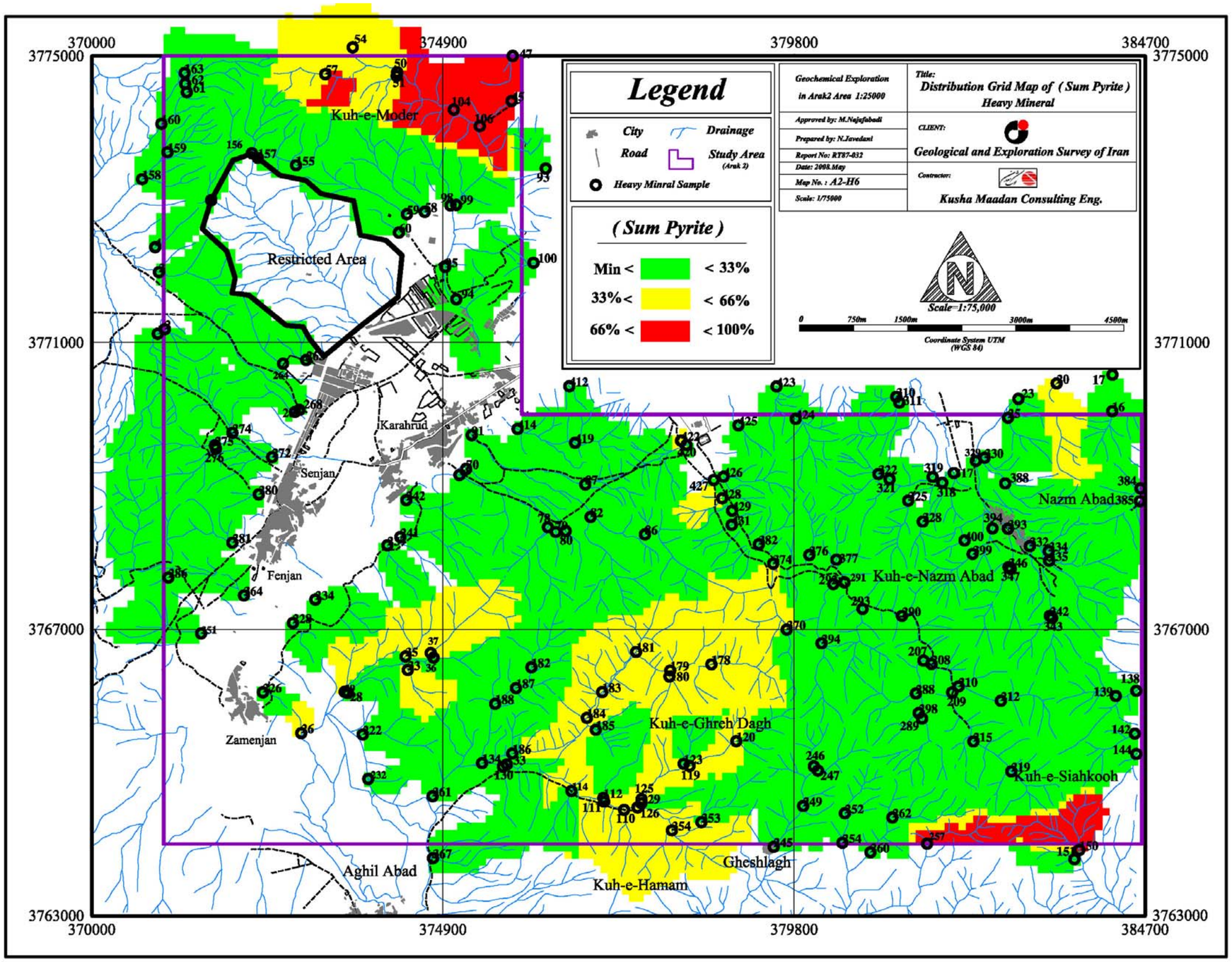

Legend
City
Drainage
Road
Study Area
(Arak 2)
Heavy Minral Sample
(Epidot + Garnet)
Min < < 33%
33% < < 66%
66% < < 100%
Geochemical Exploration
in Arak2 Area 1:25000
Title:
Distribution Grid Map of (Epidot+Garnet)
Heavy Mineral
Approved by: M.Najafabadi
Prepared by: N.Javedani
Report No: RT87-032
Date: 2008.May
Map No. : A2-H1
Scale: 1/75000
CLIENT:
Geological and Exploration Survey of Iran
Contractor:
Kusha Maadan Consulting Eng.
Scale=1:75,000
0 750m 1500m 3000m 4500m
Coordinate System UTM
(WGS 84)
Restricted Area
Kuh-e-Moder
Karahrud
Senjan
Fenjan
Zamenjan
Aghil Abad
Kuh-e-Hamam
Kuh-e-Ghreh Dagh
Gheshlagh
Nazm Abad
Kuh-e-Nazm Abad
Kuh-e-Siahkooh
370000
374900
379800
384700
3775000
3771000
3767000
3763000

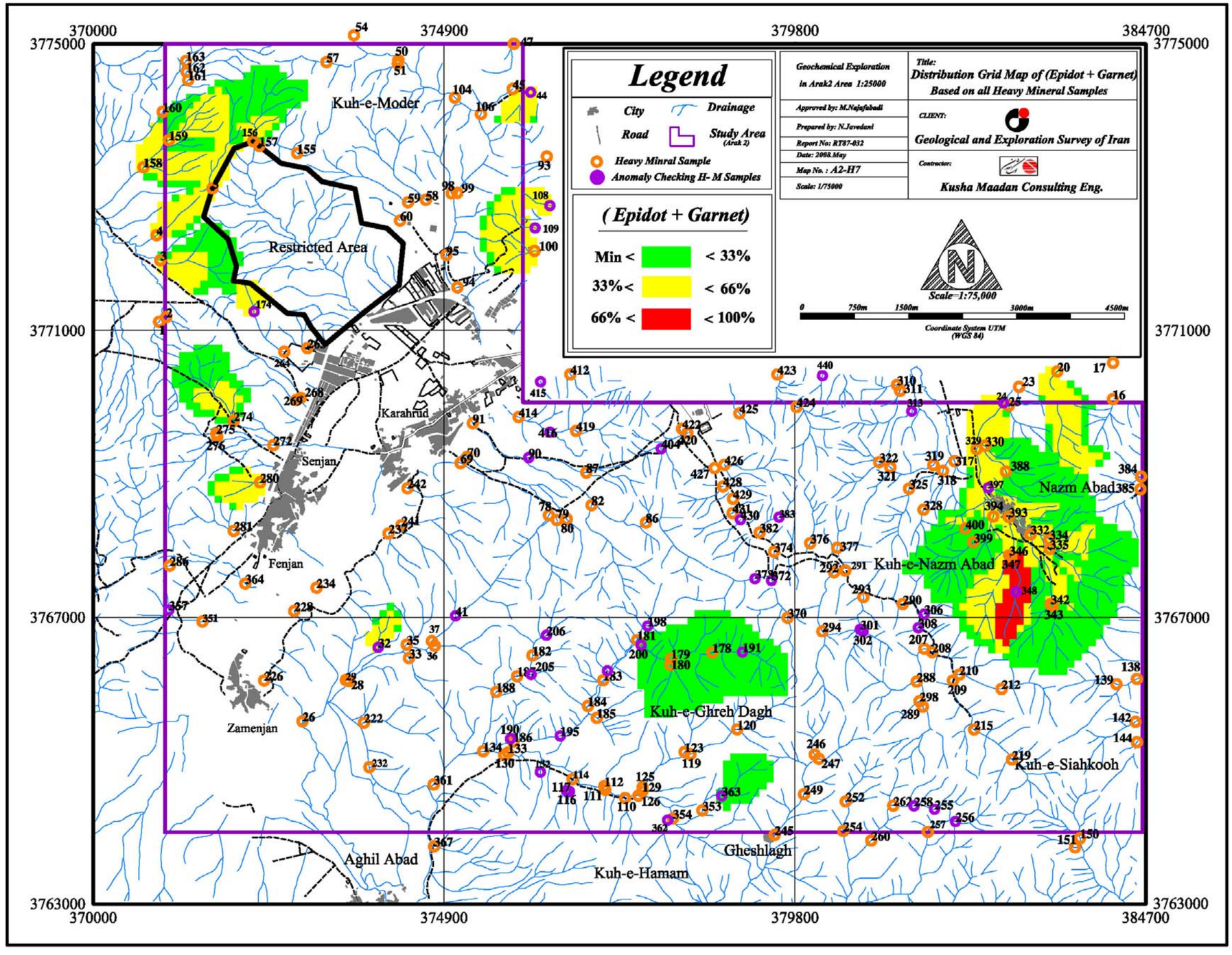

Legend
City
Drainage
Road
Study Area
(Arak 2)
Heavy Minral Sample
(Monazite)
Min < < 33%
33% < < 66%
66% < < 100%
Geochemical Exploration in Arak2 Area 1:25000
Approved by: M.Najafabadi
Prepared by: N.Javedani
Report No: RT87-032
Date: 2008.May
Map No. : A2-H2
Scale: 1/75000
Title:
Distribution Grid Map of (Monazite) Heavy Mineral
CLIENT:
Geological and Exploration Survey of Iran
Contractor:
Kusha Maadan Consulting Eng.
Scale=1:75,000
0 750m 1500m 3000m 4500m
Coordinate System UTM (WGS 84)
Kuh-e-Moder
Restricted Area
Karahrud
Senjan
Fenjan
Zamenjan
Aghil Abad
Kuh-e-Ghreh Dagh
Kuh-e-Nazm Abad
Nazm Abad
Kuh-e-Siahkooh
Gheshlagh
Kuh-e-Hamam
370000
374900
379800
384700
3775000
3771000
3767000
3763000

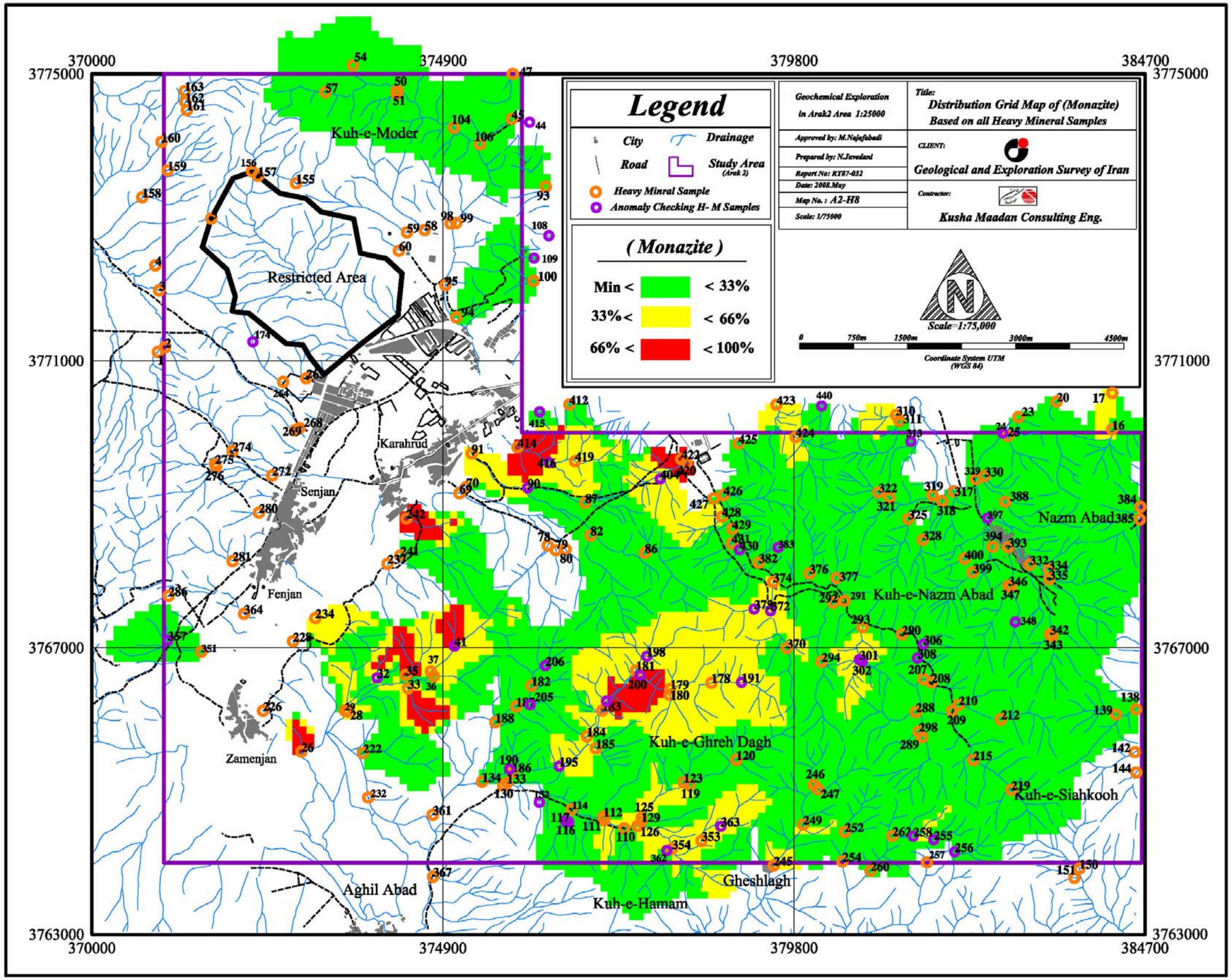

Legend
City
Drainage
Road
Study Area
(Arak 2)
Heavy Minral Sample
(Sum Fe)
Min < < 33%
33% < < 66%
66% < < 100%
Geochemical Exploration
in Arak2 Area 1:25000
Approved by: M.Najafabadi
Prepared by: N.Javedani
Report No: RT87-032
Date: 2008.May
Map No. : A2-H3
Scale: 1/75000
Title:
Distribution Grid Map of (Sum Fe)
Heavy Mineral
CLIENT:
Geological and Exploration Survey of Iran
Contractor:
Kusha Maadan Consulting Eng.
Scale=1:75,000
0 750m 1500m 3000m 4500m
Coordinate System UTM
(WGS 84)
370000
374900
379800
384700
3775000
3771000
3767000
3763000
Kuh-e-Moder
Restricted Area
Karahrud
Senjan
Fenjan
Zamenjan
Aghil Abad
Kuh-e-Ghreh Dagh
Kuh-e-Hamam
Gheshlagh
Kuh-e-Nazm Abad
Nazm Abad
Kuh-e-Siahkooh

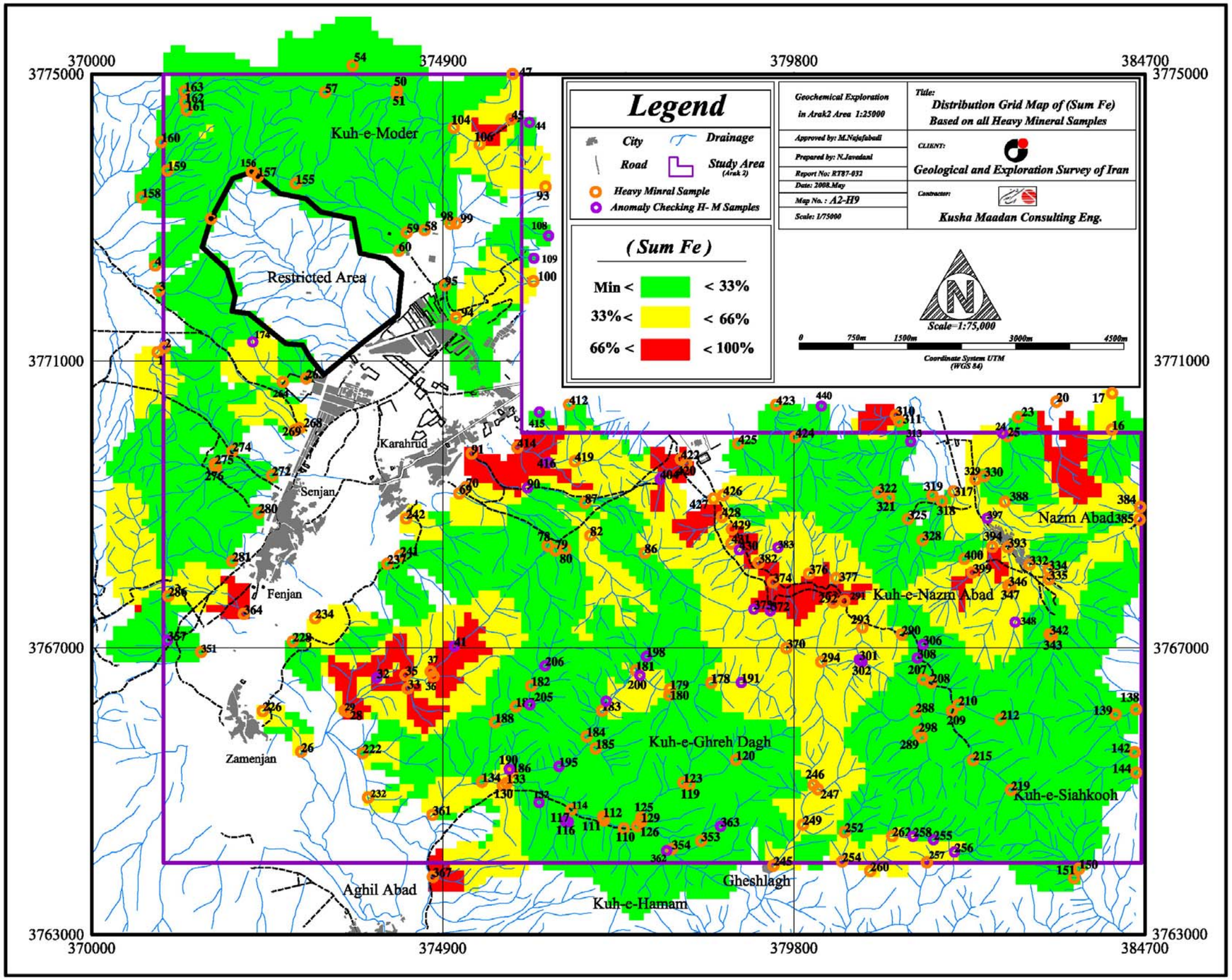

370000
374900
379800
384700
3775000
3771000
3767000
3763000
Legend
City
Drainage
Road
Study Area
(Arak 2)
Heavy Minral Sample
(Sum Ore M)
Min < < 33%
33% < < 66%
66% < < 100%
Geochemical Exploration in Arak2 Area 1:25000
Approved by: M.Najafaboadi
Prepared by: N.Javedani
Report No: RT87-032
Date: 2008.May
Map No. : A2-H4
Scale: 1/75000
Title:
Distribution Grid Map of (Sum Ore M)
Heavy Mineral
CLIENT:
Geological and Exploration Survey of Iran
Contractor:
Kusha Maadan Consulting Eng.
Scale=1:75,000
0 750m 1500m 3000m 4500m
Coordinate System UTM (WGS 84)
Kuh-e-Moder
Restricted Area
Karahrud
Senjan
Fenjan
Zamenjan
Aghil Abad
Kuh-e-Ghreh Dagh
Kuh-e-Hamam
Ghcshlagh
Kuh-e-Nazm Abad
Nazm Abad
Kuh-e-Siahkooh

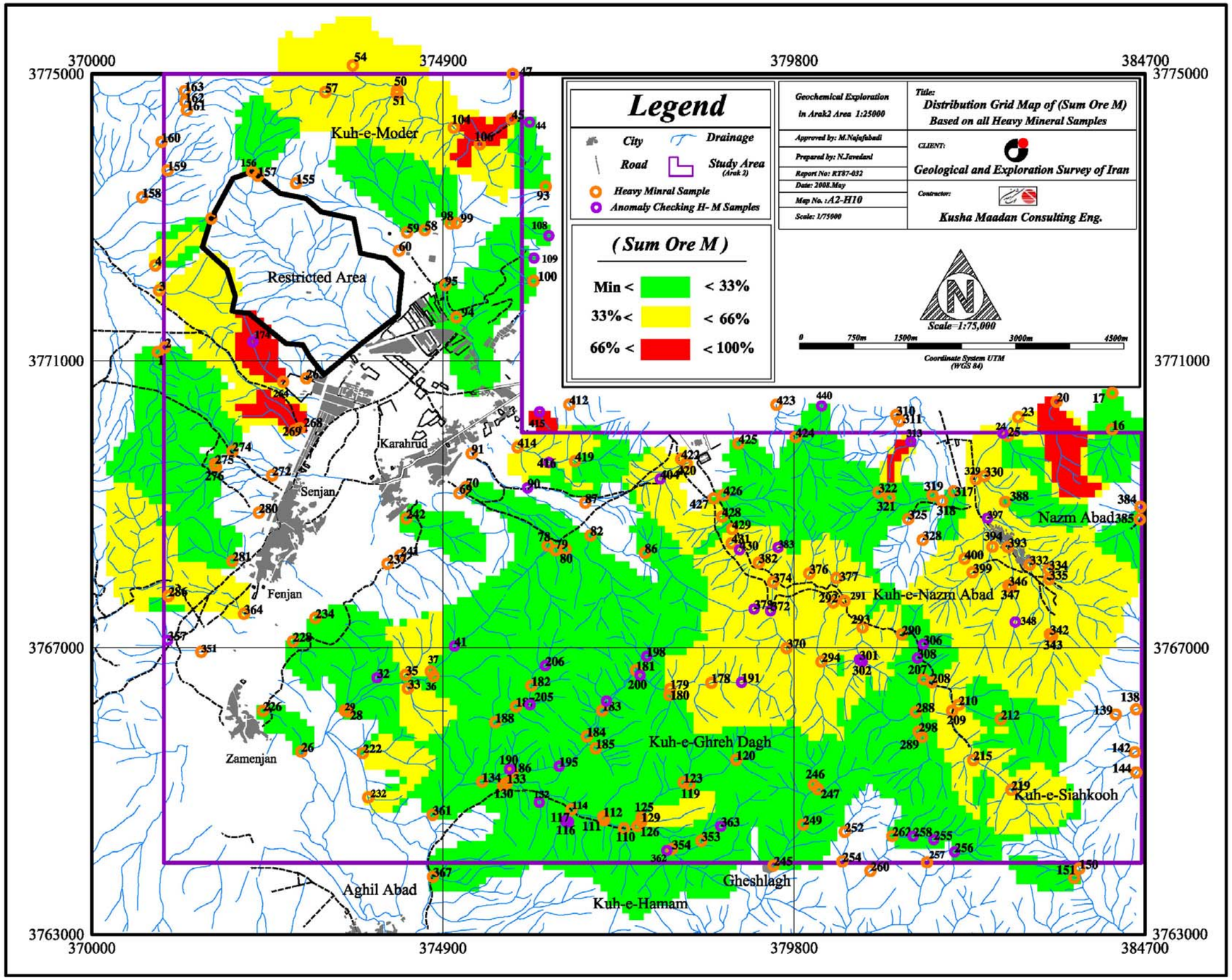

Legend
City
Drainage
Road
Study Area
(Arak 2)
Heavy Minral Sample
(Sum Ore NM)
Min < < 33%
33%< < 66%
66% < < 100%
Geochemical Exploration
In Arak2 Area 1:25000
Approved by: M.Najafabadi
Prepared by: N.Javedani
Report No: RT87-032
Date: 2008.May
Map No. : A2-H5
Scale: 1/75000
Title:
Distribution Grid Map of (Sum Ore NM)
Heavy Mineral
CLIENT:
Geological and Exploration Survey of Iran
Contractor:
Kusha Maadan Consulting Eng.
Scale=1:75,000
0 750m 1500m 3000m 4500m
Coordinate System UTM
(WGS 84)
Restricted Area
Kuh-e-Moder
Karahrud
Senjan
Fenjan
Zamenjan
Aghil Abad
Kuh-e-Ghreh Dagh
Kuh-e-Nazm Abad
Nazm Abad
Kuh-e-Siahkooh
Gheshlagh
Kuh-e-Hamam
370000
374900
379800
384700
3775000
3771000
3767000
3763000

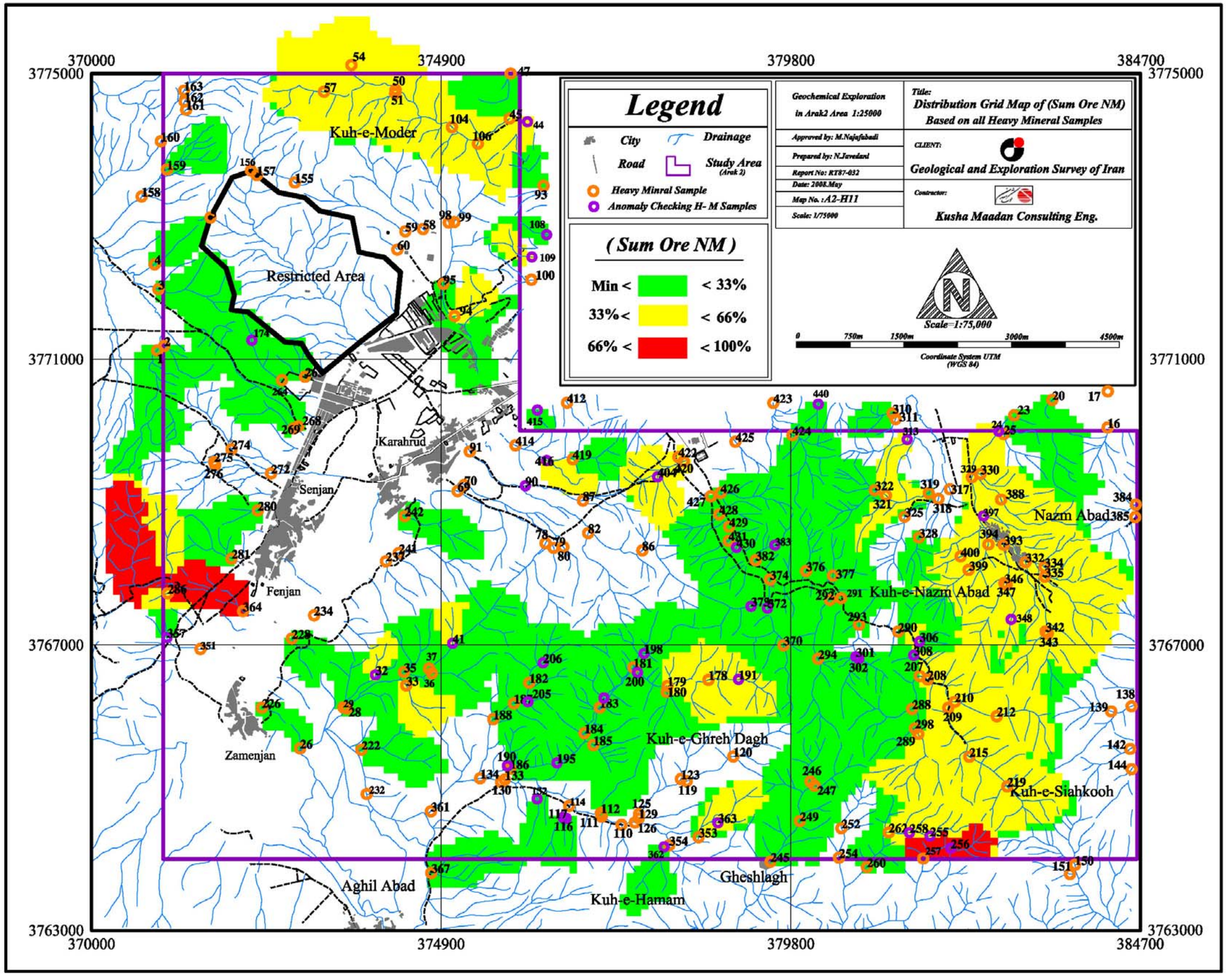

Legend
City
Drainage
Road
Study Area
(Arak 2)
Heavy Minral Sample
(Sum Pyrite)
Min < < 33%
33% < < 66%
66% < < 100%
Geochemical Exploration in Arak2 Area 1:25000
Approved by: M.Najafabadi
Prepared by: N.Javedani
Report No: RT87-032
Date: 2008.May
Map No. : A2-H6
Scale: 1/75000
Title:
Distribution Grid Map of (Sum Pyrite)
Heavy Mineral
CLIENT:
Geological and Exploration Survey of Iran
Contractor:
Kusha Maadan Consulting Eng.
Scale=1:75,000
0 750m 1500m 3000m 4500m
Coordinate System UTM (WGS 84)
Restricted Area
Kuh-e-Moder
Karahrud
Senjan
Fenjan
Zamenjan
Aghil Abad
Kuh-e-Ghreh Dagh
Kuh-e-Nazm Abad
Nazm Abad
Kuh-e-Siahkooh
Gheshlagh
Kuh-e-Hamam
370000
374900
379800
384700
3775000
3771000
3767000
3763000

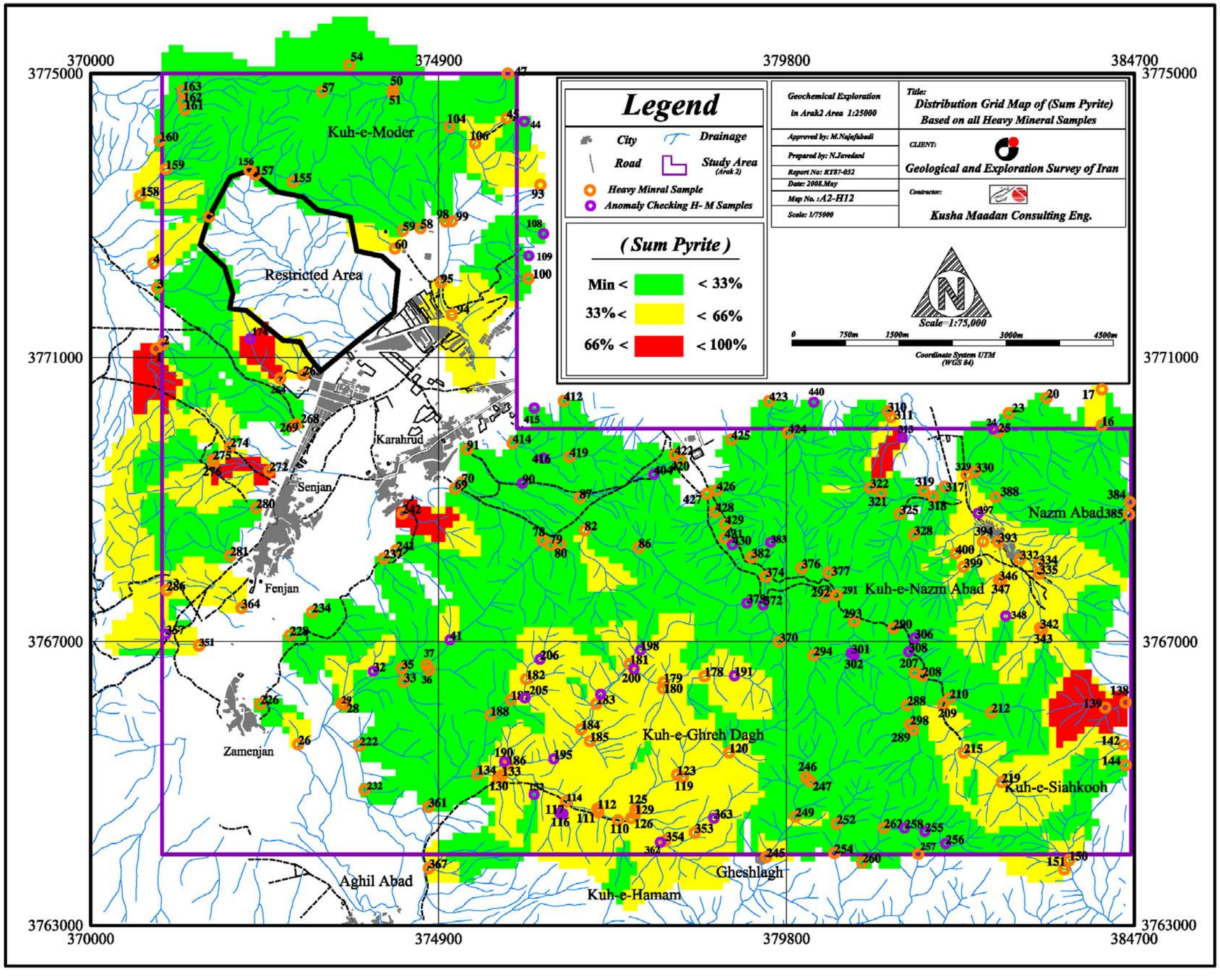

Legend
City
Drainage
Road
Study Area (Arak 2)
Heavy Minral Sample
Anomaly Checking H- M Samples
(Epidot + Garnet)
Min < < 33%
33%< < 66%
66% < < 100%
Geochemical Exploration in Arak2 Area 1:25000
Approved by: M.Najafabadi
Prepared by: N.Javedani
Report No: RT87-032
Date: 2008.May
Map No. : A2-H7
Scale: 1/75000
Title:
Distribution Grid Map of (Epidot + Garnet)
Based on all Heavy Mineral Samples
CLIENT:
Geological and Exploration Survey of Iran
Contractor:
Kusha Maadan Consulting Eng.
N
Scale=1:75,000
0 750m 1500m 3000m 4500m
Coordinate System UTM (WGS 84)
Restricted Area
Kuh-e-Moder
Karahrud
Senjan
Fenjan
Zamenjan
Aghil Abad
Kuh-e-Ghreh Dagh
Kuh-e-Hamam
Gheshlagh
Kuh-e-Nazm Abad
Nazm Abad
Kuh-e-Siahkooh
370000
374900
379800
384700
3775000
3771000
3767000
3763000


370000
374900
379800
384700
3775000
3771000
3767000
3763000
Legend
City
Drainage
Road
Study Area (Arak 2)
Heavy Minral Sample
Anomaly Checking H- M Samples
(Monazite)
Min < < 33%
33%< < 66%
66% < < 100%
Geochemical Exploration in Arak2 Area 1:25000
Approved by: M.Najafabadi
Prepared by: N.Javedani
Report No: RT87-032
Date: 2008.May
Map No. : A2-H8
Scale: 1/75000
Title:
Distribution Grid Map of (Monazite)
Based on all Heavy Mineral Samples
CLIENT:
Geological and Exploration Survey of Iran
Contractor:
Kusha Maadan Consulting Eng.
Scale=1:75,000
0 750m 1500m 3000m 4500m
Coordinate System UTM (WGS 84)
Restricted Area
Kuh-e-Moder
Karahrud
Senjan
Fenjan
Zamenjan
Aghil Abad
Kuh-e-Ghreh Dagh
Kuh-e-Hamam
Gheshlagh
Kuh-e-Nazm Abad
Nazm Abad
Kuh-e-Siahkooh


Legend
City
Drainage
Road
Study Area (Arak 2)
Heavy Minral Sample
Anomaly Checking H- M Samples
(Sum Fe)
Min < < 33%
33% < < 66%
66% < < 100%
Geochemical Exploration in Arak2 Area 1:25000
Approved by: M.Najafabadi
Prepared by: N.Javedani
Report No: RT87-032
Date: 2008.May
Map No. : A2-H9
Scale: 1/75000
Title: Distribution Grid Map of (Sum Fe) Based on all Heavy Mineral Samples
CLIENT: Geological and Exploration Survey of Iran
Contractor: Kusha Maadan Consulting Eng.
Scale=1:75,000
0 750m 1500m 3000m 4500m
Coordinate System UTM (WGS 84)
370000
374900
379800
384700
3775000
3771000
3767000
3763000
Kuh-e-Moder
Restricted Area
Karahrud
Senjan
Fenjan
Zamenjan
Aghil Abad
Kuh-e-Ghreh Dagh
Kuh-e-Hamam
Gheshlagh
Kuh-e-Nazm Abad
Nazm Abad
Kuh-e-Siahkooh


370000
374900
379800
384700
3775000
3771000
3767000
3763000
Legend
City
Road
Drainage
Study Area (Arak 2)
Heavy Minral Sample
Anomaly Checking H- M Samples
(Sum Ore M)
Min < < 33%
33% < < 66%
66% < < 100%
Geochemical Exploration in Arak2 Area 1:25000
Approved by: M.Najafabadi
Prepared by: N.Javedani
Report No: RT87-032
Date: 2008.May
Map No. :A2-H10
Scale: 1/75000
Title:
Distribution Grid Map of (Sum Ore M)
Based on all Heavy Mineral Samples
CLIENT:
Geological and Exploration Survey of Iran
Contractor:
Kusha Maadan Consulting Eng.
Scale=1:75,000
0 750m 1500m 3000m 4500m
Coordinate System UTM (WGS 84)
Restricted Area
Kuh-e-Moder
Karahrud
Senjan
Fenjan
Zamenjan
Aghil Abad
Kuh-e-Ghreh Dagh
Kuh-e-Nazm Abad
Nazm Abad
Kuh-e-Siahkooh
Gheshlagh
Kuh-e-Hamam


370000
374900
379800
384700
3775000
3771000
3767000
3763000
Legend
City
Road
Drainage
Study Area (Arak 2)
Heavy Minral Sample
Anomaly Checking H- M Samples
(Sum Ore NM)
Min < < 33%
33%< < 66%
66% < < 100%
Geochemical Exploration in Arak2 Area 1:25000
Approved by: M.Najafabadi
Prepared by: N.Javedani
Report No: RT87-032
Date: 2008.May
Map No. :A2-H11
Scale: 1/75000
Title:
Distribution Grid Map of (Sum Ore NM)
Based on all Heavy Mineral Samples
CLIENT:
Geological and Exploration Survey of Iran
Contractor:
Kusha Maadan Consulting Eng.
Scale=1:75,000
0 750m 1500m 3000m 4500m
Coordinate System UTM (WGS 84)
Restricted Area
Kuh-e-Moder
Karahrud
Senjan
Fenjan
Zamenjan
Aghil Abad
Kuh-e-Ghreh Dagh
Kuh-e-Hamam
Gheshlagh
Kuh-e-Nazm Abad
Nazm Abad
Kuh-e-Siahkooh


370000
374900
379800
384700
3775000
3771000
3767000
3763000
Legend
City
Drainage
Road
Study Area
(Arak 2)
Heavy Minral Sample
Anomaly Checking H- M Samples
(Sum Pyrite)
Min < < 33%
33%< < 66%
66% < < 100%
Geochemical Exploration in Arak2 Area 1:25000
Approved by: M.Najafabadi
Prepared by: N.Javedani
Report No: RT87-032
Date: 2008.May
Map No. :A2-H12
Scale: 1/75000
Title:
Distribution Grid Map of (Sum Pyrite)
Based on all Heavy Mineral Samples
CLIENT:
Geological and Exploration Survey of Iran
Contractor:
Kusha Maadan Consulting Eng.
N
Scale=1:75,000
0 750m 1500m 3000m 4500m
Coordinate System UTM (WGS 84)
Kuh-e-Moder
Restricted Area
Karahrud
Senjan
Fenjan
Zamenjan
Aghil Abad
Kuh-e-Ghreh Dagh
Kuh-e-Hamam
Gheshlagh
Kuh-e-Siahkooh
Kuh-e-Nazm Abad
Nazm Abad