

Factor Score: Block C (15)										Factor Score: Block C (16)									
Site No.	Sample	Location	UTM X(m)	UTM Y(m)	Factor 1	Factor 2	Factor 3	Factor 4	Factor 5	Site No.	Sample	Location	UTM X(m)	UTM Y(m)	Factor 1	Factor 2	Factor 3	Factor 4	Factor 5
1401	C1407200	550755	8952353	0.814	-1.31	0.247	-2.671	2.584		1501	C1507400	551955	8952295	0.253	-0.805	-0.33	-0.089	-0.188	
1402	C1407800	550755	8952653	2.461	-2.22	2.05	-2.779	1.632		1502	C1507500	551955	8952395	-0.186	0.807	-0.347	0.629	-0.076	
1403	C1407900	550755	8952753	2.843	-2.056	-0.137	-3.02	1.850		1503	C1507600	551955	8952495	0.613	0.927	-0.377	-0.066	-0.306	
1404	C1408000	550755	8952853	2.729	-2.653	-0.399	-2.056	1.913		1504	C1507700	551955	8952595	0.388	0.817	-0.16	-0.156	-0.066	
1405	C1408100	550755	8952953	1.052	-1.982	-1.003	0.678	-0.201		1505	C1507800	551955	8952695	0.297	0.82	-0.343	0.581	-0.477	
1406	C1408200	550755	8953095	0.943	-2.219	-0.654	-1.189	0.034		1506	C1507900	551955	8952795	0.235	0.756	-0.35	-0.422	-0.155	
1407	C1408300	550755	8953195	0.275	-0.805	2.003	-0.176	0.289		1507	C1508000	551955	8952895	0.238	0.917	-0.439	0.321	-0.161	
1408	C1408400	550755	8953295	0.413	0.63	1.412	-1.063	0.703		1508	C1508100	551955	8952995	0.733	0.923	-0.524	0.023	-0.122	
1409	C1408500	550755	8953395	-0.692	-0.932	-2.235	-0.665	1.19		1509	C1508200	551955	8953095	0.497	0.943	-0.685	-0.103	0.181	
1410	C1408600	550755	8953495	2.656	-1.71	-0.819	-1.933	1.693		1510	C1508300	551955	8953195	0.568	0.97	-0.196	0.155	-0.372	
1411	C1408700	550755	8953595	0.808	-1.516	-0.926	-0.83	0.148		1511	C1508400	551955	8953295	0.456	0.75	0.41	-0.067	0.335	
1412	C1408800	550755	8953695	0.342	-0.733	-0.877	-0.686	0.833		1512	C1508500	551955	8953395	0.044	0.705	-0.883	-0.063	-0.616	
1413	C1408900	550755	8953795	0.448	0.755	-0.319	-0.91	0.864		1513	C1508600	551955	8953495	0.237	0.547	-0.708	0.089	0.233	
1414	C1409000	550755	8953895	0.055	0.811	-0.923	0.673	0.281		1514	C1508700	551955	8953595	0.624	-0.384	-0.983	0.388	0.371	
1415	C1409100	550755	8953995	0.138	-1.659	-0.894	-0.407	0.702		1515	C1508800	551955	8953695	-0.18	0.867	-0.911	-0.945	0.031	
1416	C1409200	550755	8954095	2.17	-1.599	0.995	-2.439	2.887		1516	C1508900	551955	8953795	0.436	0.748	-1.105	0.588	-0.163	
1417	C1409300	550755	8954195	-0.383	0.042	0.468	-0.512	0.457		1517	C1509000	551955	8953895	1.191	1.193	-2.903	0.026	0.037	
1418	C1409400	550755	8954295	-1.131	-0.274	-0.047	-0.518	0.665		1518	C1509100	551955	8953995	0.199	-1.879	-1.317	0.010	0.767	
1419	C1409500	550755	8954395	-0.402	0.044	-1.604	-0.09	0.348		1519	C1509200	551955	8954095	1.491	1.476	0.629	-1.301	0.216	
1420	C1409600	550755	8954495	-1.156	0.227	0.273	-0.454	0.48		1520	C1509300	551955	8954195	2.528	2.432	-2.139	-2.106	-0.261	
1421	C1409700	550755	8954595	0.977	-1.042	-0.165	-0.114	-0.429		1521	C1509400	551955	8954295	2.513	-2.31	-2.1	-2.041	0.234	
1422	C1409800	550755	8954695	0.658	-0.034	0.272	0.301	-0.046		1522	C1509500	551955	8954395	1.926	-2.737	-0.563	-1.844	0.426	
1423	C1409900	550755	8954795	0.301	0.333	0.201	0.266	0.082		1523	C1509600	551955	8954495	-0.819	-2.271	-0.714	0.723	-1.078	
1424	C1501000	551955	8944695	0.132	0.588	0.493	-0.426	-1.034		1524	C1509700	551955	8944595	-0.862	-1.154	-1.177	0.684	-1.953	
1425	C1501100	551955	8944795	0.209	0.719	0.333	-0.881	0.363		1525	C1509800	551955	8944695	-0.877	0.023	-0.827	1.279	0.994	
1426	C1501200	551955	8944895	-0.603	0.954	0.073	-1.11	0.437		1526	C1509900	551955	8944795	-0.93	0.023	-0.563	1.143	-0.26	
1427	C1500900	551955	8944895	-0.242	0.749	0.159	-1.173	-0.002		1527	C1510000	551955	8944895	-1.803	-0.272	-0.001	0.93	-0.413	
1428	C1501000	551955	8944995	0.177	0.55	0.324	-0.374	0.083		1528	C1601200	553155	8941695	-0.205	0.775	0.107	-0.527	-0.713	
1429	C1500200	551955	8945095	-0.63	0.569	-0.07	-0.899	0.283		1529	C1601100	553155	8944795	0.097	0.711	-0.072	-0.167	-0.463	
1430	C1500300	551955	8945195	-0.179	0.549	0.245	-1.336	0.69		1530	C1600000	553155	8944895	-0.6	1.938	0.263	-1.009	-1.668	
1431	C1500400	551955	8945295	0.061	0.455	0.434	-0.773	0.16		1531	C1601000	553155	8944995	-0.801	1.833	-0.02	-0.712	-2.198	
1432	C1500500	551955	8945395	-0.92	0.457	0.258	-1.503	0.341		1532	C1602000	553155	8945095	0.354	0.749	0.35	-0.123	-0.919	
1433	C1500600	551955	8945495	-0.105	0.344	0.534	-0.583	-0.033		1533	C1603000	553155	8945195	0.167	0.676	0.11	0.228	-0.57	
1434	C1500700	551955	8945595	0.323	0.269	0.384	-0.565	0.147		1534	C1604000	553155	8945295	0.146	0.619	-0.286	-0.097	0.146	
1435	C1500800	551955	8945695	-0.028	-0.102	0.335	-0.437	1.168		1535	C1605000	553155	8945395	0.044	0.672	-0.005	0.293	0.635	
1436	C1500900	551955	8945795	0.142	0.519	-0.106	-0.961	0.492		1536	C1606000	553155	8945495	1.458	-1.784	-0.002	-0.478	-0.118	
1437	C1501000	551955	8945895	0.255	0.614	0.04	-1.102	0.321		1537	C1607000	553155	8945595	0.306	-0.671	-0.268	0.276	-0.563	
1438	C1501100	551955	8945995	0.651	0.75	0.122	-1.162	-0.349		1538	C1608000	553155	8945695	-0.169	0.234	0.173	-0.174	-0.001	
1439	C1501200	551955	8946095	0.054	1.174	0.148	-1.022	-0.873		1539	C1609000	553155	8945795	0.594	1.007	-0.168	-0.622	-0.388	
1440	C1501300	551955	8946195	0.769	0.923	0.034	-1.066	-0.389		1540	C1610000	553155	8945895	0.66	0.872	-0.207	-0.51	-0.552	
1441	C1501400	551955	8946295	-0.68	0.701	0.151	-1.338	0.238		1541	C1601100	553155	8945995	0.783	0.902	-0.237	-0.508	-0.456	
1442	C1501500	551955	8946395	0.628	0.658	0.057	-1.086	0.265		1542	C1601200	553155	8946095	0.502	0.911	-0.375	0.324	-1.666	
1443	C1501600	551955	8946495	0.012	0.543	0.013	-0.913	-0.14		1543	C1601300	553155	8946195	0.666	0.731	-0.185	-0.461	-0.784	
1444	C1501700	551955	8946595	-1.059	0.205	0.044	-0.359	0.113		1544	C1601400	553155	8946295	0.58	0.678	-0.023	0.324	-0.469	
1445	C1501800	551955	8946695	-0.223	0.298	-0.189	0.155	0.031		1545	C1601500	553155	8946395	0.342	0.02	0.164	0.603	-0.011	
1446	C1501900	551955	8946795	0.268	-0.181	0.186	0.842	0.875		1546	C1601600	553155	8946495	0.642	0.246	0.101	-0.231	-0.043	
1447	C1502000	551955	8946895	0.217	-0.067	0.348	-0.202	0.876		1547	C1601700	553155	8946595	0.861	-1.759	-0.049	0.408	-0.159	
1448	C1502100	551955	8946995	2.753	0.085	0.533	-2.41	1.783		1548	C1601800	553155	8946695	-0.477	-0.605	0.229	0.564	-0.223	
1449	C1502200	551955	8947095	0.988	-0.044	0.091	-0.258	0.909		1549	C1601900	553155	8946795	-0.805	0.421	-0.473	-0.364	-0.211	
1450	C1502300	551955	8947195	-0.514	0.082	-0.159	-0.179	0.106		1550	C1602000	553155	8946895	-0.285	-0.034	0.095	0.008	0.187	
1451	C1502400	551955	8947295	-0.18	0.179	-0.043	-0.026	0.355		1551	C1602100	553155	8946995	0.747	0.182	-0.106	0.434	-0.334	
1452	C1502500	551955	8947395	-0.045	0.231	0.125	-0.264	0.217		1552	C1602200	553155	8947095	0.254	0.064	0.217	-0.163	0.373	
1453	C1502600	551955	8947495	0.237	0.13	0.094	0.423	0.26		1553	C1602300	553155	8947195	-0.302	0.195	0.269	0.258	-0.033	
1454	C1502700	551955	8947595	0.281	-0.03	0.073	0.371	0.428		1554	C1602400	553155	8947295	0.214	0.367	0.52	-0.068	-0.346	
1455	C1502800	551955	8947695	-0.294	0.159	-0.02	0.733	-0.102		1555	C1602500	553155	8947395	-0.303	0.814	-0.115	-0.457	0.724	
1456	C1502900	551955	8947795	0.278	0.52	0.159	-0.526	-0.702		1556	C1602600	553155	8947495	-0.174	0.418	0.198	-0.129	0.313	
1457	C1503000	551955	8947895	0.133	1.58	0.133	-0.903	-1.294		1557	C1602700	553155	8947595	0.157	0.499	0.332	-0.071	-0.53	
1458	C1503100	551955	8947995	0.128	0.304	-0.193	-0.819	0.164		1558	C1602800	553155	8947695	0.581	2.019	0.317	0.92	-1.978	
1459	C1503200	551955	8948095	-0.216	1.188	0.221	-1.038	-1.253		1559	C1602900	553155	8947795	-0.018	1.538	0.321	-0.732	-1.507	
1460	C1503300	551955	8948195	0.048	-0.53	0.14	0.827	0.556		1560	C1603000	553155	8947895	-0.176	0.885	0.795	-1.222	-0.704	
1461	C1503400	551955	8948295	-0.689	0.16	-0.723	0.152	-0.136		1561	C1603100	553155	8947995	-0.472	-1.193	-0.182			

Factor Score in Block C (17)

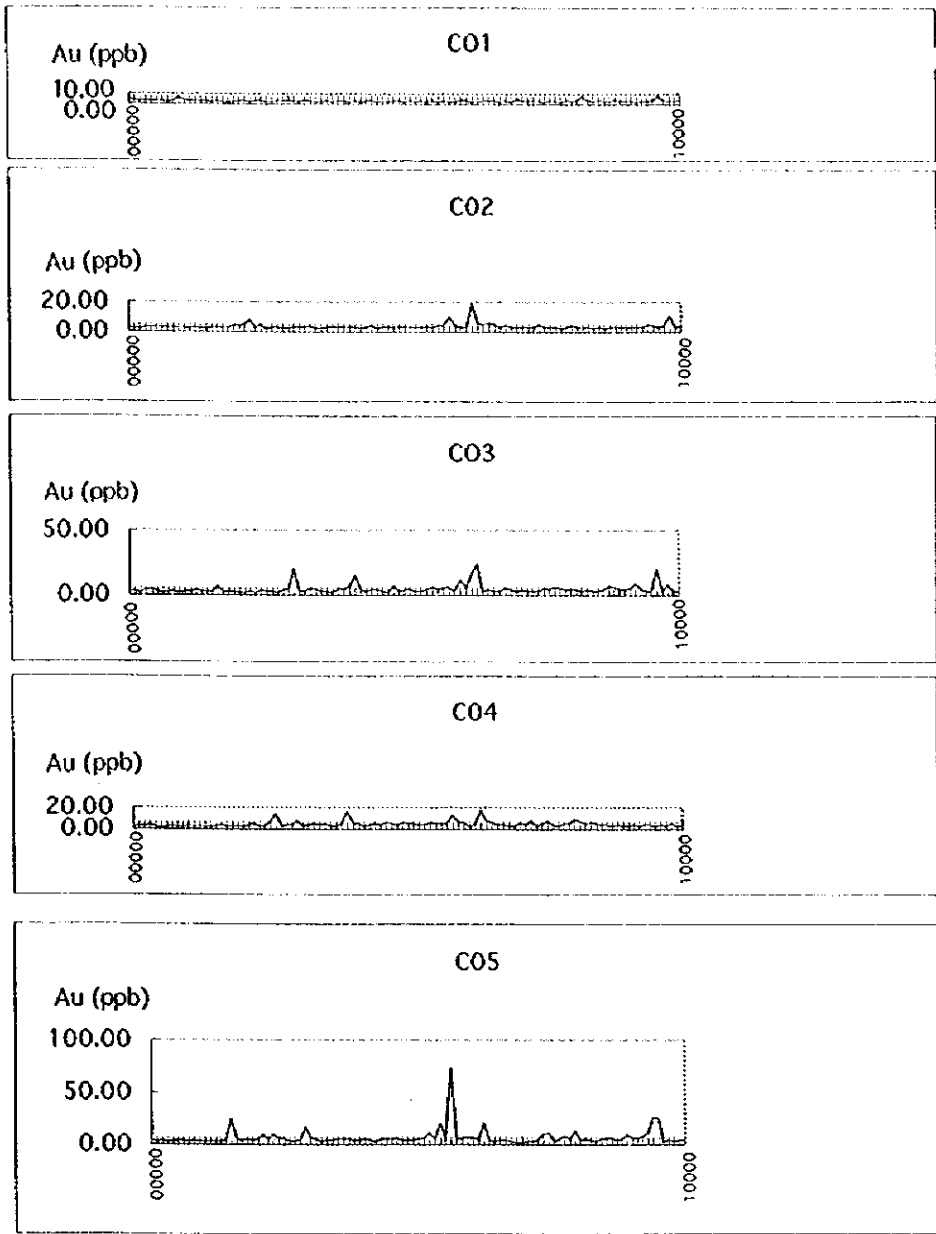
Ser. No.	Sample	Location		Factor 1	Factor 2	Factor 3	Factor 4	Factor 5
		X(m)	Y(m)					
1601	C1607100	553155	8951955	-0.045	0.661	0.153	0.221	-0.352
1602	C1607200	553155	8952055	0.701	0.775	0.274	0.578	-0.279
1603	C1607300	553155	8952155	0.348	0.857	0.747	0.205	-0.591
1604	C1607400	553155	8952255	0.751	0.822	0.162	-0.47	-0.742
1605	C1607500	553155	8952355	0.313	0.842	0.304	-0.409	-0.346
1606	C1607600	553155	8952455	-0.223	0.527	0.203	-1.036	-0.553
1607	C1607700	553155	8952555	0.073	0.573	0.353	-0.827	-0.05
1608	C1607800	553155	8952655	0.539	0.735	-0.18	0.215	-0.629
1609	C1607900	553155	8952755	0.336	0.684	0.466	-0.543	-0.172
1610	C1608000	553155	8952855	0.459	0.673	0.261	-0.306	-0.369
1611	C1608100	553155	8952955	-0.613	0.683	0.275	-0.167	-0.585
1612	C1608200	553155	8953055	0.707	0.630	0.271	-0.275	-0.602
1613	C1608300	553155	8953155	0.672	0.609	0.001	-0.318	-0.494
1614	C1608400	553155	8953255	0.573	0.716	-0.172	-0.389	-0.314
1615	C1608500	553155	8953355	0.679	0.743	0.017	-0.315	-0.401
1616	C1608600	553155	8953455	0.423	0.787	-0.809	-0.32	-0.542
1617	C1608700	553155	8953555	0.227	0.631	-0.349	-0.357	-0.246
1618	C1608800	553155	8953655	0.177	0.542	-0.393	0.054	-0.193
1619	C1608900	553155	8953755	0.029	0.48	-0.616	0.517	-0.35
1620	C1609000	553155	8953855	-0.142	0.485	-0.553	0.472	-0.498
1621	C1609100	553155	8953955	0.153	0.535	-0.602	0.928	-0.576
1622	C1609200	553155	8954055	-0.116	0.462	-0.346	0.435	-0.27
1623	C1609300	553155	8954155	-0.063	0.492	-0.285	0.504	-0.443
1624	C1609400	553155	8954255	0.333	0.454	0.562	0.704	-0.31
1625	C1609500	553155	8954355	-0.304	0.286	0.445	0.638	-0.456
1626	C1609600	553155	8954455	0.823	0.135	-1.112	1.108	-0.403
1627	C1609700	553155	8954555	-0.303	-0.421	-0.348	1.229	-0.25
1628	C1609800	553155	8954655	-1.478	-0.223	-0.089	1.492	-0.199
1629	C1609900	553155	8954755	-2.315	-0.172	-0.053	0.937	-0.322
1630	C1610000	553155	8954855	-1.682	-0.052	-0.33	1.457	-1.08
1631	C170-200	554355	8944955	1.65	0.785	-0.095	-0.581	-1.173
1632	C170-100	554355	8944855	0.772	0.893	0.495	-1.391	-0.3
1633	C1700000	554355	8944855	1.481	0.953	0.162	-0.688	-0.809
1634	C1700100	554355	8944955	0.529	0.716	-0.114	-1.713	-0.214
1635	C1700200	554355	8945055	1.327	0.928	0.113	-1.207	-0.612
1636	C1700300	554355	8945155	1.293	0.862	-0.143	-0.893	-0.312
1637	C1700400	554355	8945255	1.015	0.743	-0.291	-0.496	-0.291
1638	C1700500	554355	8945355	1.018	0.66	0.216	-0.059	-0.231
1639	C1700600	554355	8945455	1.149	0.579	0.123	-0.547	-0.233
1640	C1700700	554355	8945555	1.049	0.593	0.036	0.24	0.101
1641	C1700800	554355	8945655	-0.132	0.137	-0.057	-0.124	-0.127
1642	C1700900	554355	8945755	3.434	-1.416	0.592	-1.578	1.737
1643	C1701000	554355	8945855	0.26	0.219	-0.339	0.54	0.352
1644	C1701100	554355	8945955	0.278	0.533	0.024	-0.327	-0.616
1645	C1701200	554355	8946055	0.232	0.605	-0.243	-0.355	-0.121
1646	C1701300	554355	8946155	0.246	0.654	0.091	-0.473	-0.113
1647	C1701400	554355	8946255	1.013	0.797	0.323	-0.176	-0.011
1648	C1701500	554355	8946355	0.537	0.672	0.055	-0.103	-0.722
1649	C1701600	554355	8946455	0.532	0.751	0.421	-0.145	-0.449
1650	C1701700	554355	8946555	0.022	1.401	0.421	-1.608	-1.089
1651	C1701800	554355	8946655	0.773	0.608	0.037	-0.06	-0.377
1652	C1701900	554355	8946755	0.15	0.376	-1.043	-0.466	0.580
1653	C1702000	554355	8946855	0.097	-0.011	0.033	-0.343	0.856
1654	C1702100	554355	8946955	0.327	0.461	-0.272	0.218	0.186
1655	C1702200	554355	8947055	0.465	0.577	-0.022	-0.183	0.548
1656	C1702300	554355	8947155	0.632	0.893	-0.17	-0.087	-0.034
1657	C1702400	554355	8947255	0.58	0.732	-0.193	-0.143	0.002
1658	C1702500	554355	8947355	0.348	1.734	0.316	-1.488	-0.979
1659	C1702600	554355	8947455	0.151	1.838	0.344	-1.291	-1.468
1660	C1702700	554355	8947555	0.669	0.817	0.117	-0.57	-0.021
1661	C1702800	554355	8947655	0.041	1.36	0.108	-1.543	-1.408
1662	C1702900	554355	8947755	0.669	0.591	-0.362	-0.409	0.563
1663	C1703000	554355	8947855	0.524	0.527	-0.354	-0.116	0.491
1664	C1703100	554355	8947955	0.032	1.266	-0.353	-1.084	-0.61
1665	C1703200	554355	8948055	0.64	0.591	-0.527	0.229	0.067
1666	C1703300	554355	8948155	0.243	0.223	-0.552	0.106	0.617
1667	C1703400	554355	8948255	0.825	-1.26	-0.728	-0.082	0.51
1668	C1703500	554355	8948355	0.987	-0.656	-0.118	-0.609	0.628
1669	C1703600	554355	8948455	0.516	-0.838	-0.784	0.124	-0.535
1670	C1703700	554355	8948555	0.687	0.275	-0.053	0.391	-0.145
1671	C1703800	554355	8948655	0.29	0.144	-0.017	0.681	0.117
1672	C1703900	554355	8948755	0.445	-0.81	-0.124	-0.342	-0.035
1673	C1704000	554355	8948855	-0.239	-0.24	0.018	0.773	0.394
1674	C1704100	554355	8948955	-0.613	0.016	0.134	0.953	-0.632
1675	C1704200	554355	8949055	-0.676	0.042	0.449	0.859	-0.574
1676	C1704300	554355	8949155	-0.59	0.215	-0.13	1.02	-0.548
1677	C1704400	554355	8949255	-0.558	0.044	0.135	0.886	-0.306
1678	C1704500	554355	8949355	-0.004	0.112	-0.055	0.857	-0.323
1679	C1704600	554355	8949455	-0.204	0.801	0.516	-0.488	-0.55
1680	C1704700	554355	8949555	-0.662	0.879	0.475	-1.242	-0.301
1681	C1704800	554355	8949655	0.087	0.418	0.378	0.725	-0.094
1682	C1704900	554355	8949755	0.285	0.692	0.76	0.154	-0.183
1683	C1705000	554355	8949855	0.036	0.936	0.39	-0.504	-0.293
1684	C1705100	554355	8949955	0.085	0.522	-0.471	-0.774	0.374
1685	C1705200	554355	8950055	-0.008	0.114	0.207	0.091	0.643
1686	C1705300	554355	8950155	-3.136	-1.794	0.143	-1.869	0.606
1687	C1705400	554355	8950255	-2.234	-1.271	0.09	-1.638	0.386
1688	C1705500	554355	8950355	2.72	-0.629	0.367	-1.797	1.994
1689	C1705600	554355	8950455	1.402	-1.896	-2.665	-0.341	0.402
1690	C1705700	554355	8950555	0.265	-0.168	0.488	0.112	0.853
1691	C1705800	554355	8950655	0.069	-0.482	0.836	0.061	0.443
1692	C1705900	554355	8950755	-0.109	-0.064	0.684	0.745	1.119
1693	C1706000	554355	8950855	-0.125	0.497	0.909	0.563	0.189
1694	C1706100	554355	8950955	-0.487	0.793	0.585	-0.617	-0.24
1695	C1706200	554355	8951055	-0.26	0.813	0.42	0.096	-0.369
1696	C1706300	554355	8951155	-0.047	0.52	0.412	0.083	-0.045
1697	C1706400	554355	8951255	-0.002	0.565	0.279	-0.022	-0.53
1698	C1706500	554355	8951355	-0.635	1.244	0.557	-1.357	0.262
1699	C1706600	554355	8951455	-0.176	-0.119	0.153	1.49	0.101
1700	C1706700	554355	8951555	-0.397	0.408	0.579	-0.503	-0.679

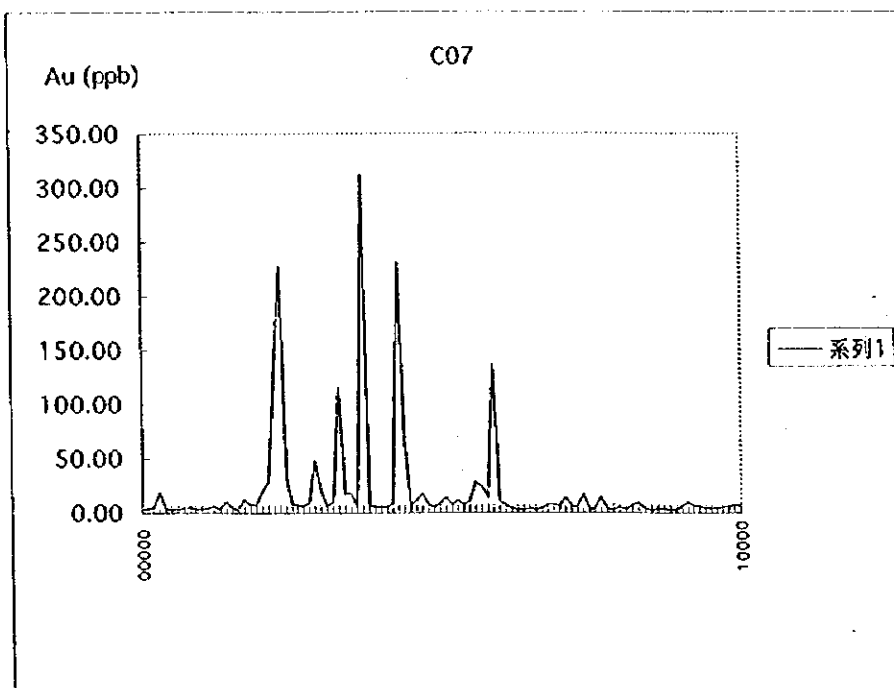
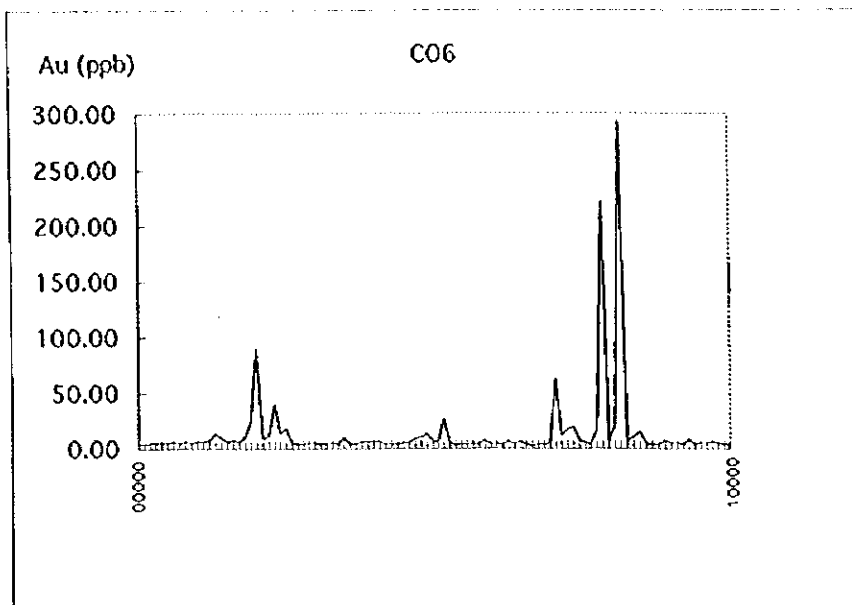
Factor Score in Block C (18)

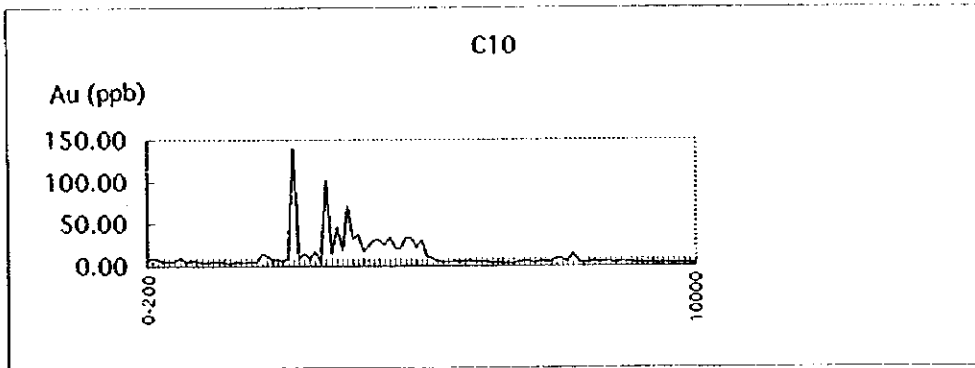
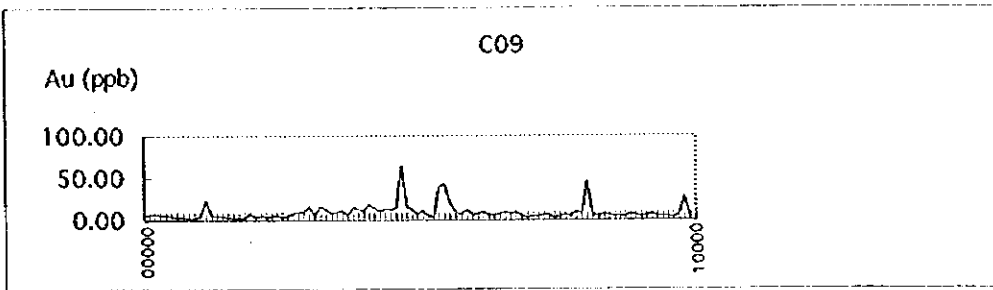
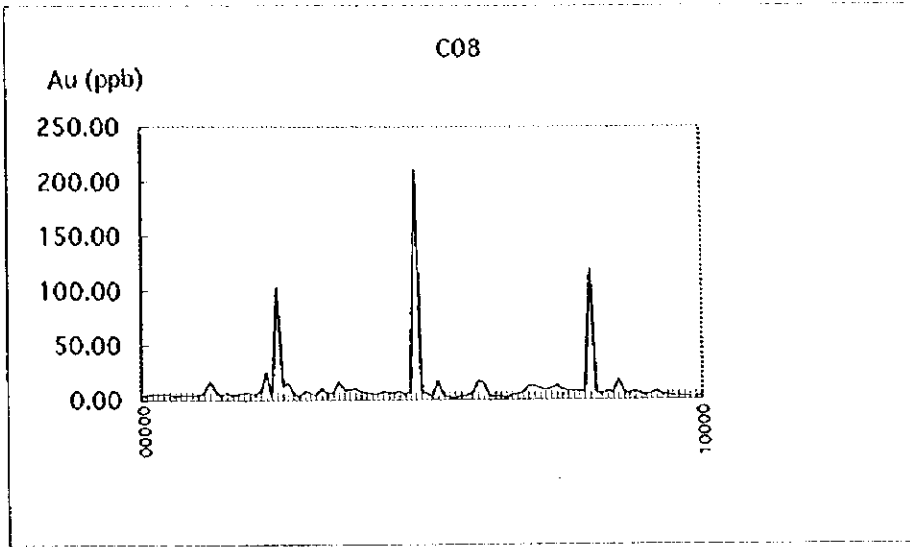
Ser. No.	Sample	Location		Factor 1	Factor 2	Factor 3	Factor 4	Factor 5
		X(m)	Y(m)					
1701	C1706800	554355	8951655	2.496	-1.453	0.599	-1.651	1.672
1702	C1706900	554355	8951755	3.142	-1.89	0.328	-2.438	1.711
1703	C1707000	554355	8951855	3.06	-1.94	-0.823	-2.305	1.901
1704	C1707100	554355	8951955	0.19	0.144	0.293	0.429	0.165
1705	C1707200	554355	8952055	0.582	0.502	0.707	0.653	-0.104
1706	C1707300	554355	8952155	1.115	0.795	0.298	1.266	-1.273
1707	C1707400	554355	8952255	0.803	0.651	0.623	-0.445	-0.388
1708	C1707500	554355	8952355	0.885	0.64	0.405	-0.228	-0.601
1709	C1707600	554355	8952455	0.884	0.49	0.303	-0.279	-0.321
1710	C1707700	554355	8952555	0.379	0.583	0.586	-0.423	-0.186
1711	C1707800	554355	8952655	1.412	0.528	1.172	-0.496	0.135
1712	C1707900	554355	8952755	1.044	0.535	1.139	0.214	-0.367
1713	C1708000	554355	8952855	0.624	0.415	0.37	-0.476	-0.185
1714	C1708100	554355	8952955	1.113	0.44	0.632	0.314	-0.136
1715	C1708200	554355	8953055	0.419	0.195	0.668	-0.303	-0.135
1716	C1708300	554355	8953155	0.74	0.285	0.648	-0.048	-0.301
1717	C1708400	554355	8953255	0.255	0.29	0.651	-0.517	-0.029
1718	C1708500	554355	8953355	0.501	0.423	0.564	0.102	-0.186
1719	C1708600	554355	8953455	0.064	0.336	0.562	-0.371	0.081
1720	C1708700	554355	8953555	0.005	0.318	0.375	0.098	-0.427
1721	C1708800	554355	8953655	0.159	0.256	0.036	0.305	

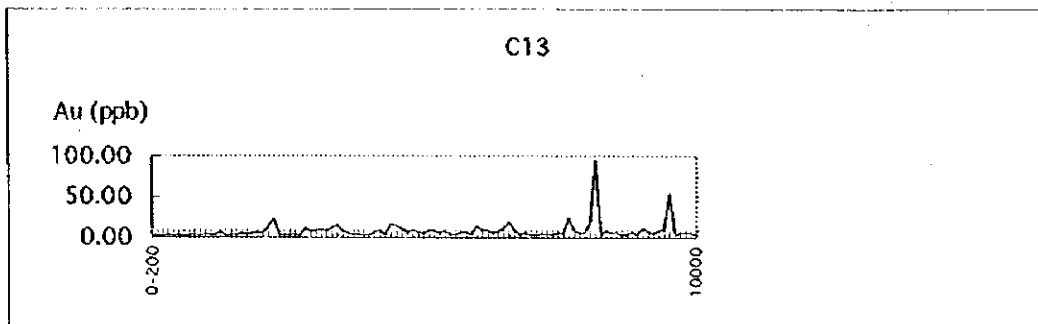
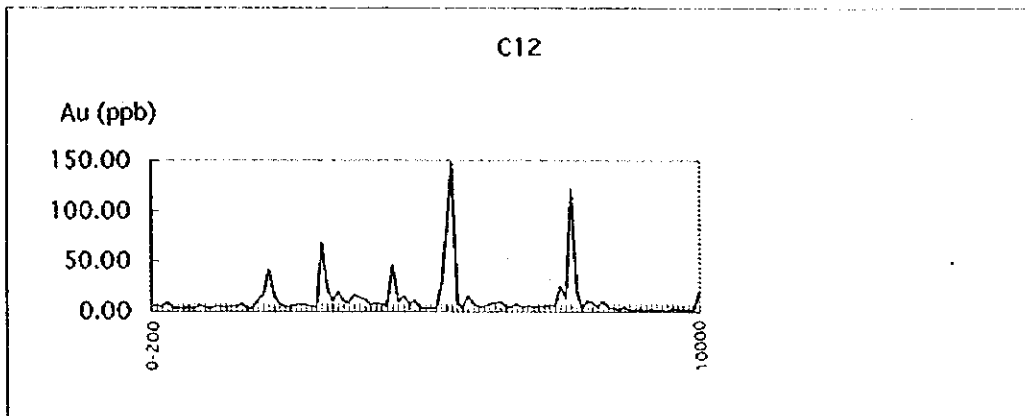
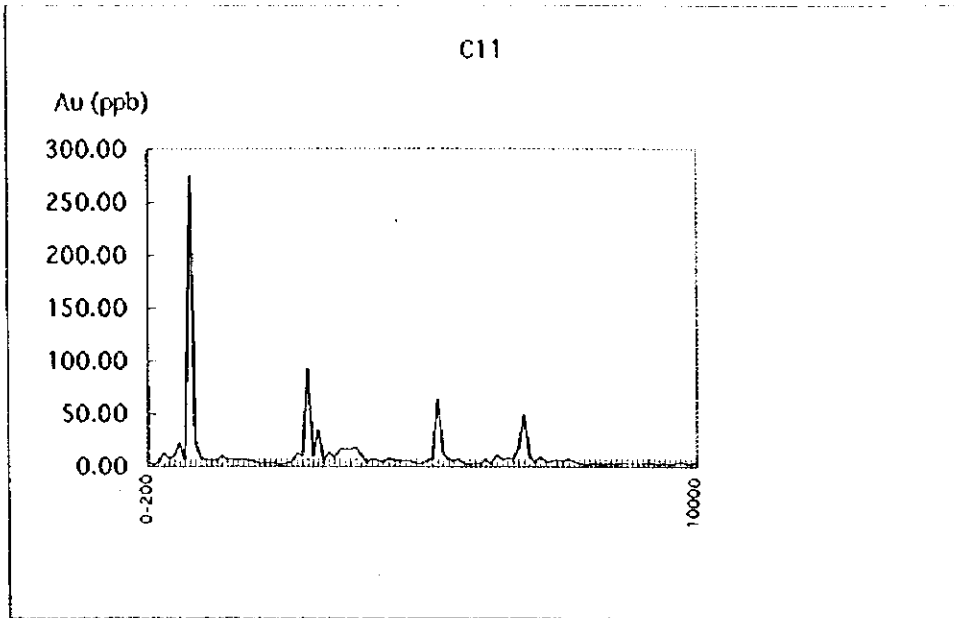
Appendix 13 Gold distribution map on each line in Block C

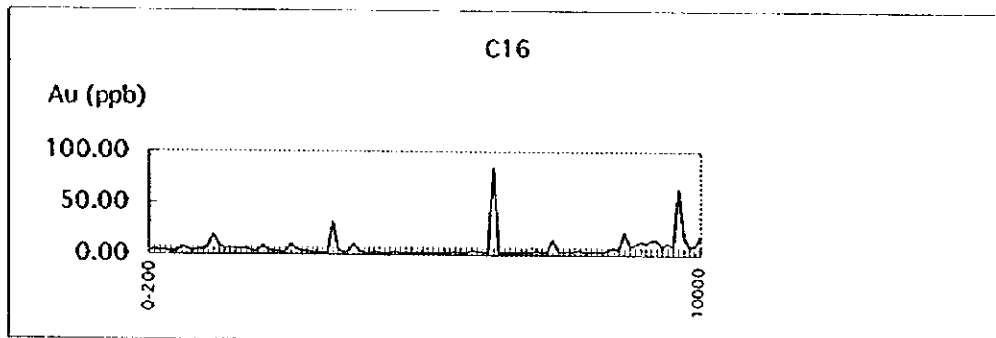
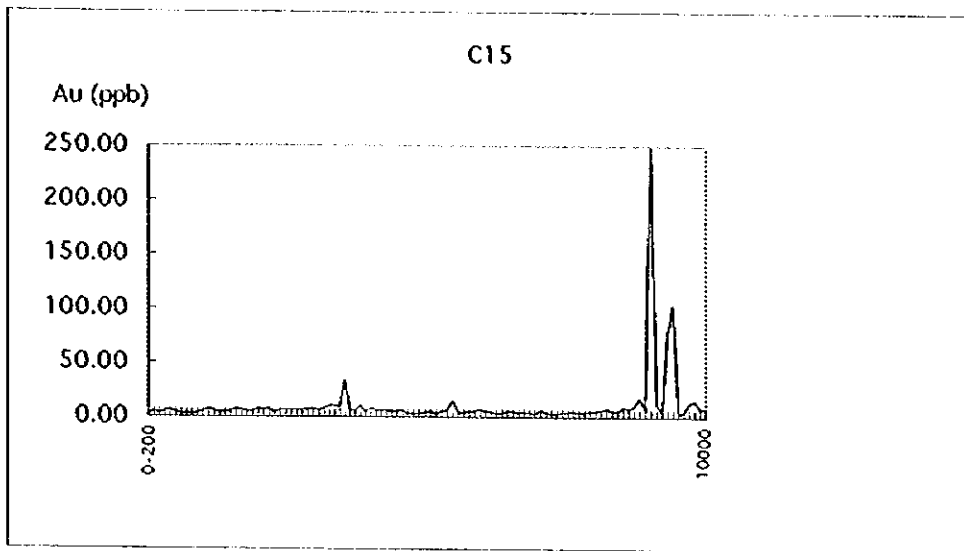
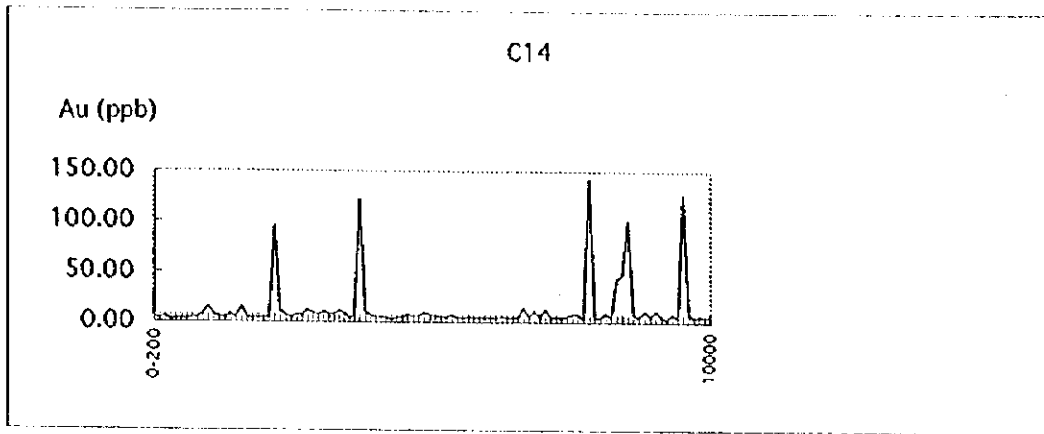


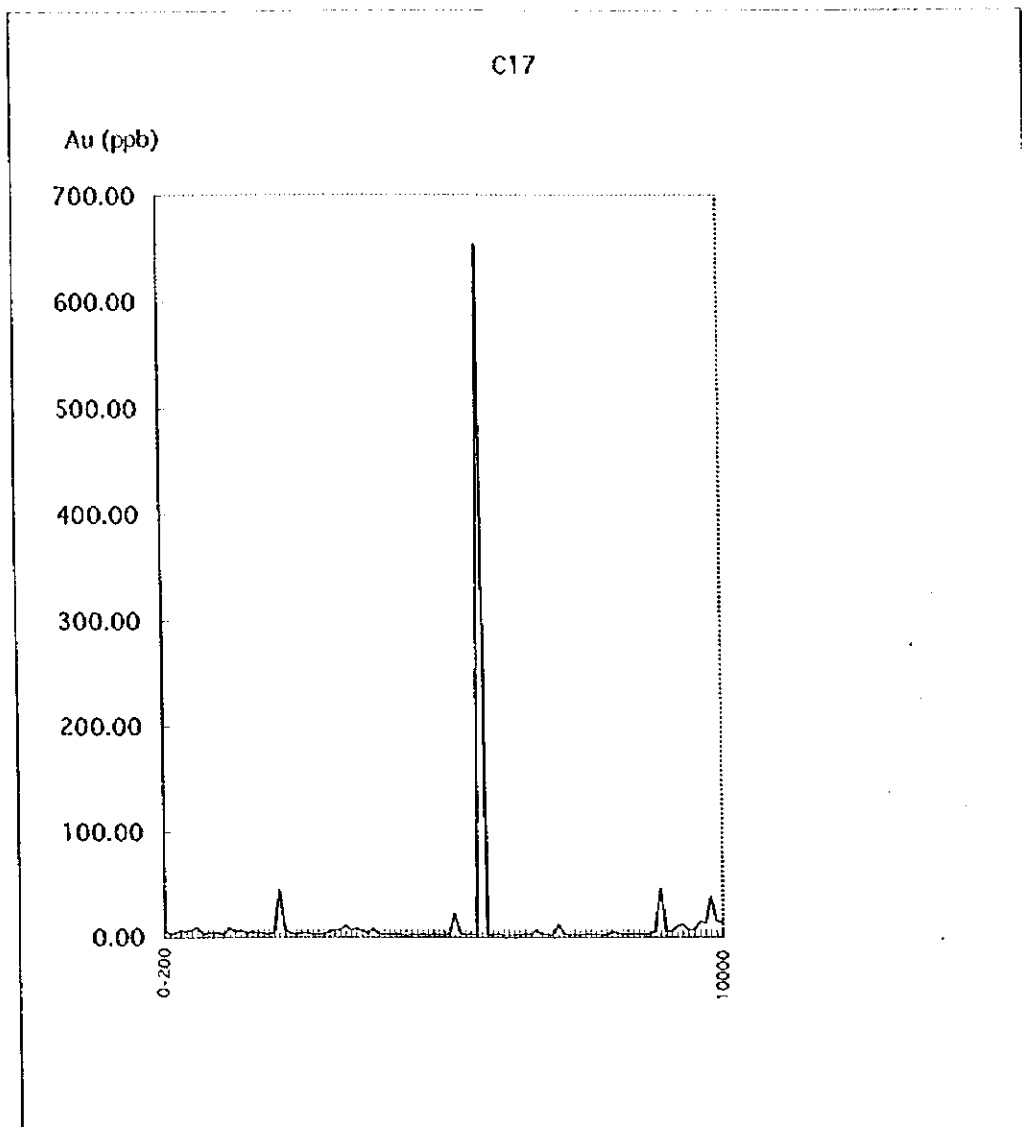






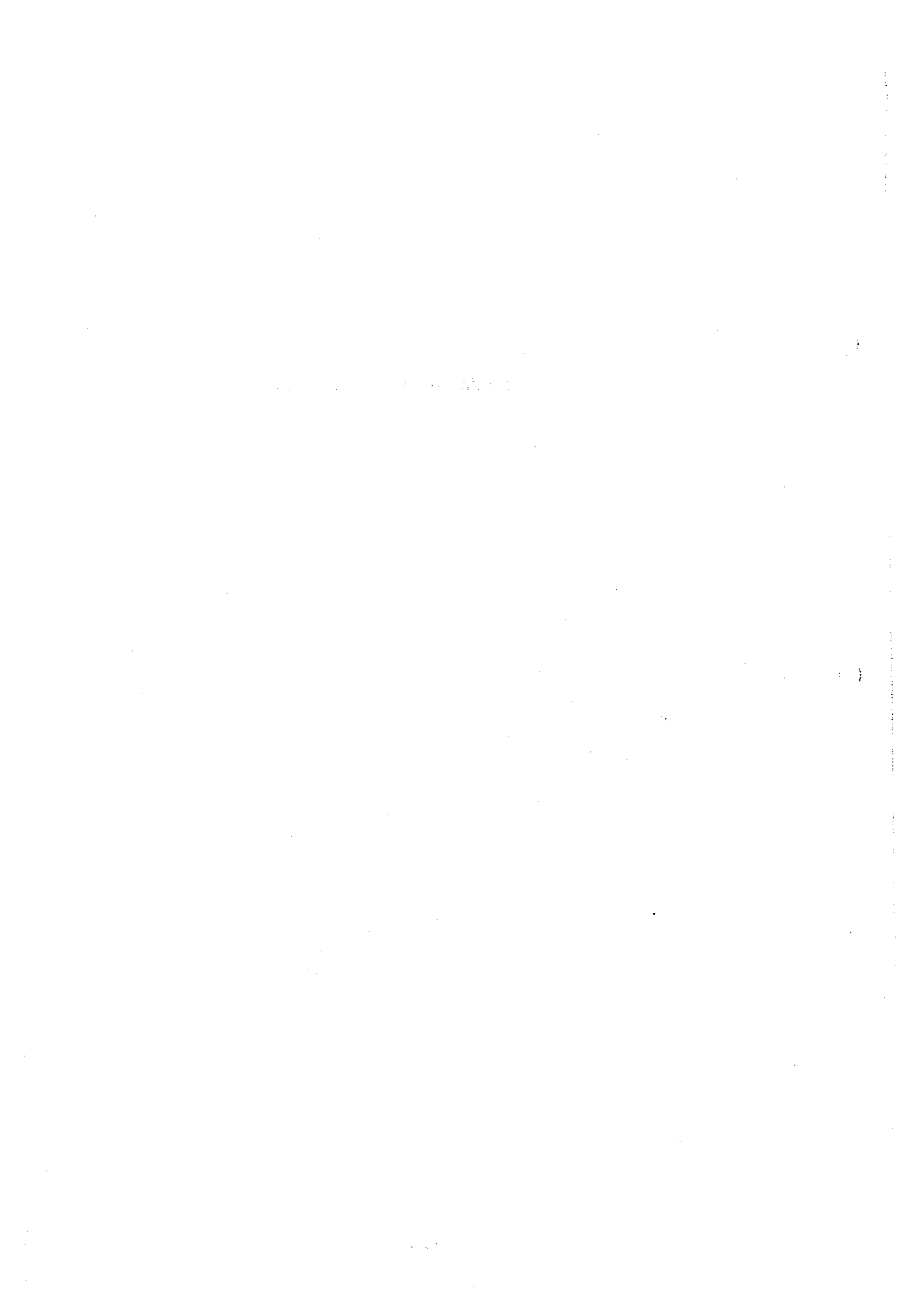








Appendix 14 Collected data



List of the collected data

1) Antonio Joao Paes de Barros (1994): Contribucao a Geologia e Controle das Mineralizacoes Auríferas Da Regiao De Peixoto De Azevedo - MT. Universidade De Sao Paulo, Instituto De Geociencias. pp145.

2) Antonio Joao Paes De Barros (1996): Contribucao Ao Conhecimento Geologico Das Provincias Auríferas Do Estado De Mato Grosso.

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7) Colombo Celso Gaeta Tassinari and Katia Maria Mellito (1994): Epocas Metalogeneticas De Yacimientos Auríferos De Brasil Y sus Relaciones Con La Tectonica: The time-bound characteristics of gold deposits in brazil and their tectonic implications. Comunicaciones No. 45, p45-54.

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- 15) CPRM (1997): Programa Nacional de Prospeccao de Ouro - PNPO -, AREA MT-08 Sao Joao da Barra, Mato Grosso.
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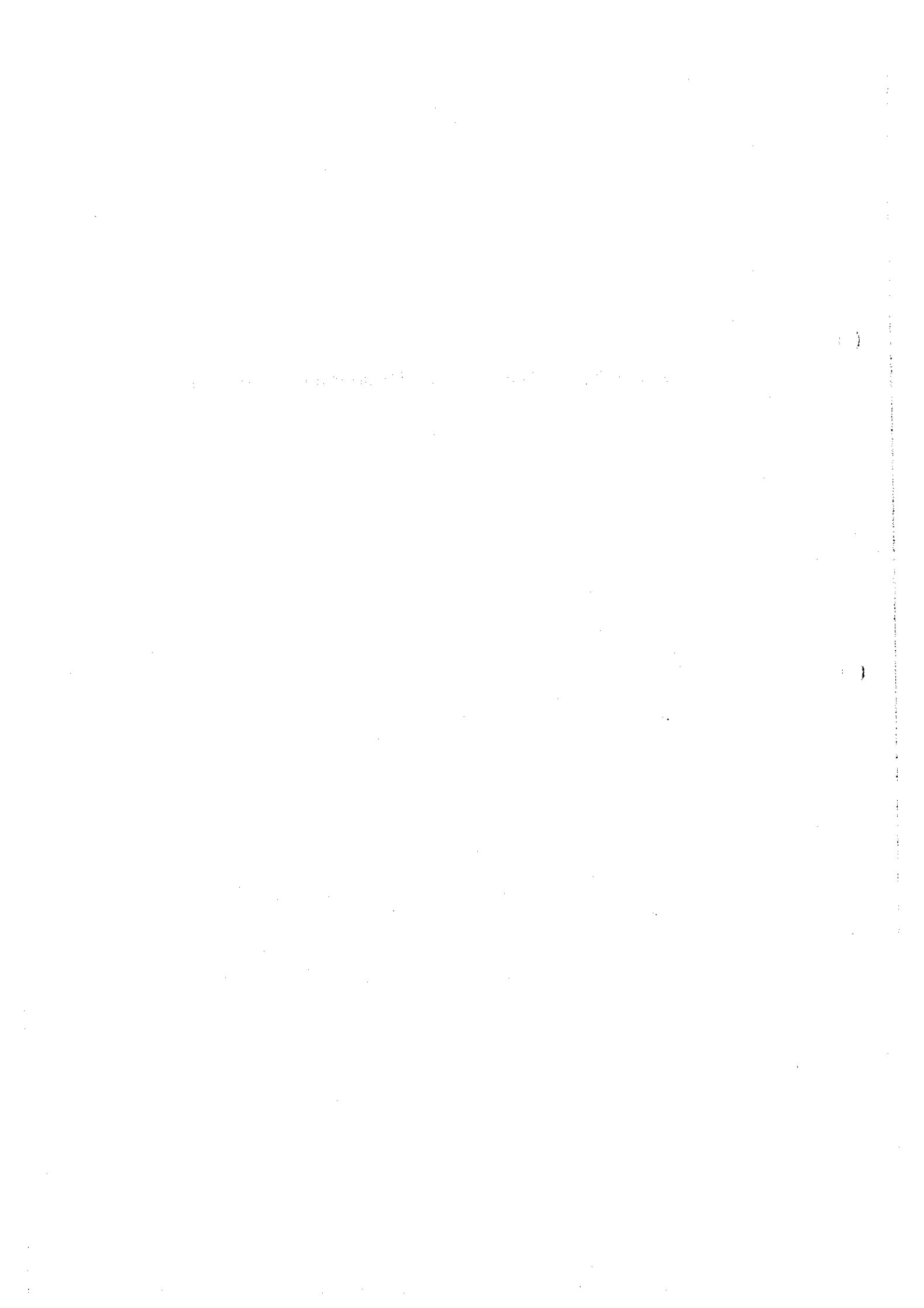
30) METAMAT (1994): Diagnostico das Atividades Mineradoras da Bacia do Rio, Teles Pires, Volume IV, Cap.3. Socio Economia, CapA Geologia Ecomica, Cap.5 Estudos

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- 35) Pedro Edson Leal Bezerra et al (1982): Geologia Da Extremidade Sudeste Da Plataforma Amazonica E Da Faixa De Dobramentos Araguaia - Tocantins. Anais Do Simposio De Geologia Da Amazonia, Belem, 1982.
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- 37) Raimundo M. G.M. et al (199-): Petrografia E Quimica Das Rochas Vulcanicas E Piroclasticas Do Super Grupo Uatuma Na Regiao Sul Da Amazonia.
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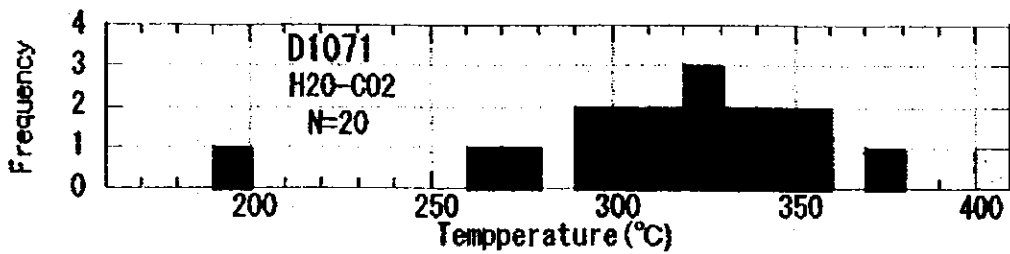
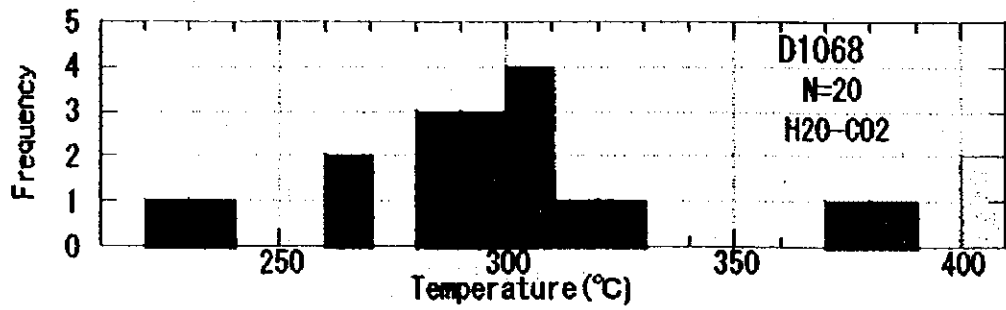
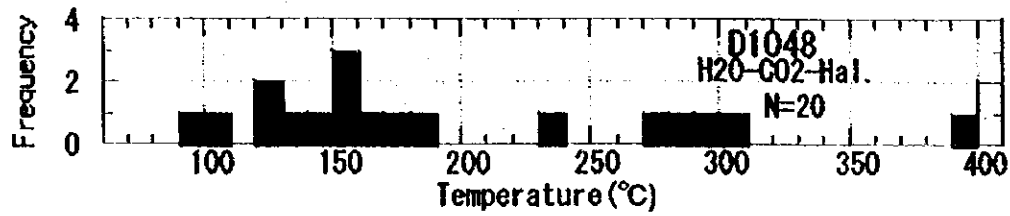
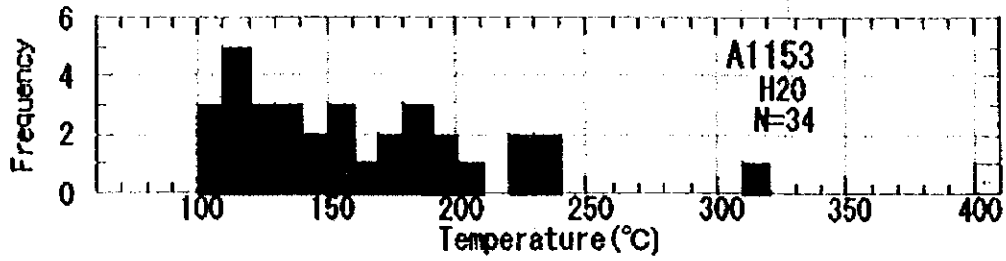
Appendix 15 Basic data and histogram of fluid inclusion.



Temperatures and Salinities of Fluid Inclusions

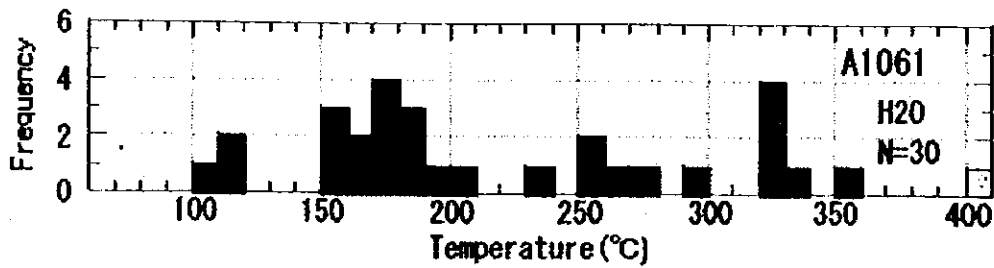
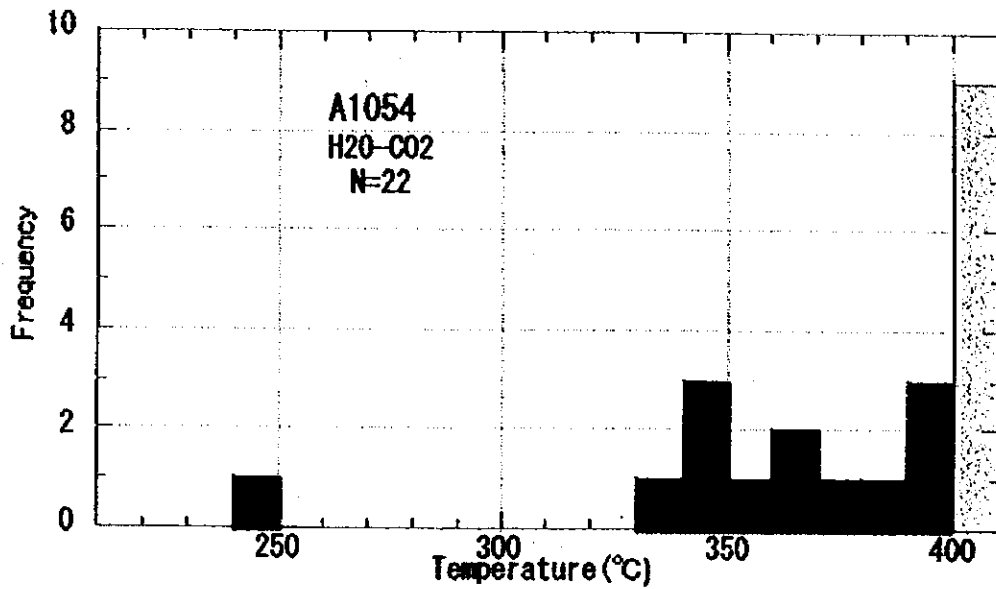
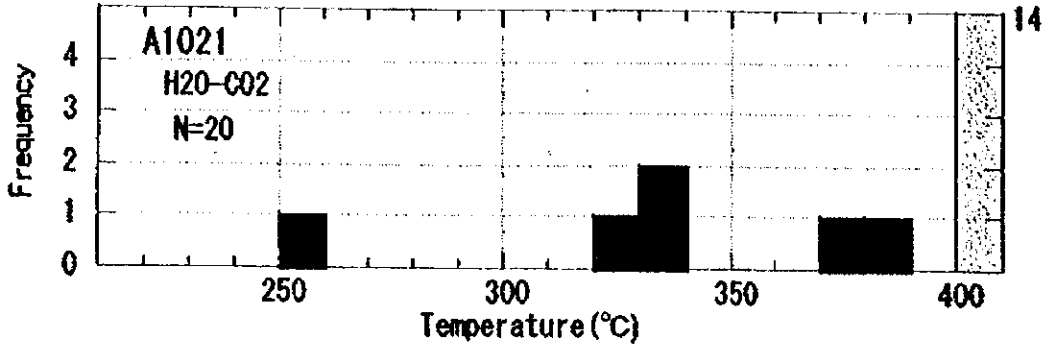
Type of fluid inclusions	Sample Block No.	Th: L+V			Tm: Ice			Salinity(%) (NaCl eq.)
		Num.	Range	Ave.*	Num.	Range	Ave.	
H2O	A1061	30	102.4~>400	218.4	5	-5.3~-3.1	-4.1	6.6
H2O	A1153	34	101.6~>400	160.6	5	-9.8~-4.5	-7.6	11.2
H2O	F98026	40	151.5~335.3	237.3	5	-23.3~-8.1	-15.8	19.3
H2O	F98038	32	185.8~>400	276.7	5	-6.6~-4.1	-5.4	8.4
H2O	G98015	30	103.2~244.3	168.9	5	-9.9~-5.9	-7.6	11.2
		Th: CO2+H2O			Tm: CO2 Clathrate			
		Num.	Range	Ave.*	Num.	Range	Ave.	
H2O-CO2	A1021	20	251.0~>400	334.5	5	-15.0~-7.7	0.4	
H2O-CO2	A1054	22	245.7~>400	356.2	6	19.8~26.0	23.5	
H2O-CO2	D1068	20	228.2~>400	297.4	5	17.0~28.6	22.5	
H2O-CO2	D1071	20	194.6~>400	314.7	5	22.8~26.3	24.9	
H2O-CO2	F98002	25	272.3~>400	320.2	5	29.0~30.2	29.6	
		Th: CO2(L)+CO2(V)			Tm: Dryice			
		Num.	Range	Ave.*	Num.	Range	Ave.	
H2O-CO2	A1021	20	251.0~>400	334.5	5	-43.0~-33.3	-36.8	
H2O-CO2	A1054	22	245.7~>400	356.2	6	-11.8~-8.3	-11.1	
H2O-CO2	D1068	20	228.2~>400	297.4	5	4.2~6.6	5.4	
H2O-CO2	D1071	20	194.6~>400	314.7	5	6.3~7.8	7.0	
H2O-CO2	F98002	25	272.3~>400	320.2	5	4.2~5.9	5.0	
		Th: CO2(L)+CO2(V)			Tm: Halite			
		Num.	Range	Ave.*	Num.	Range	Ave.	
H2O-CO2-Hal	D1048	20	98.2~>400	195.5	5	27.3~30.4	29.0	
					10	195.3~241.2	218.8	33

Block C



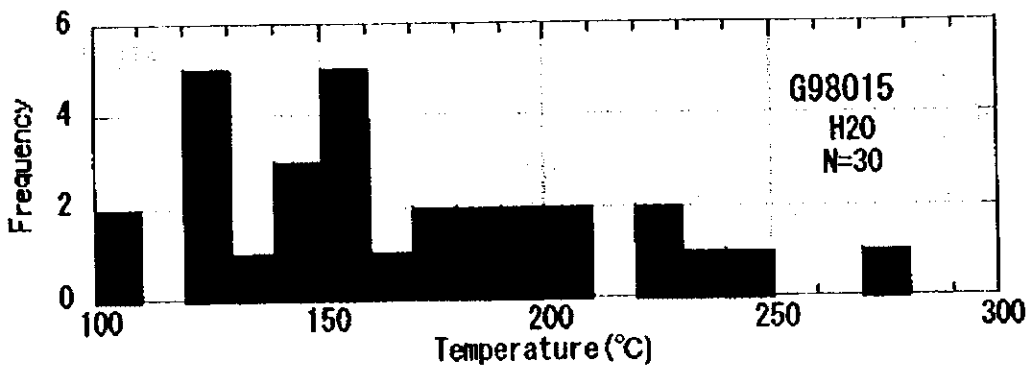
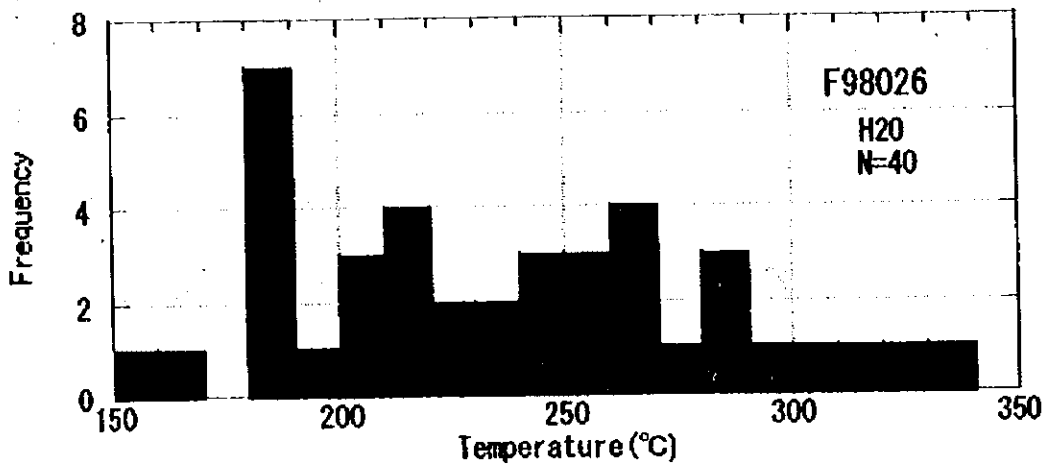
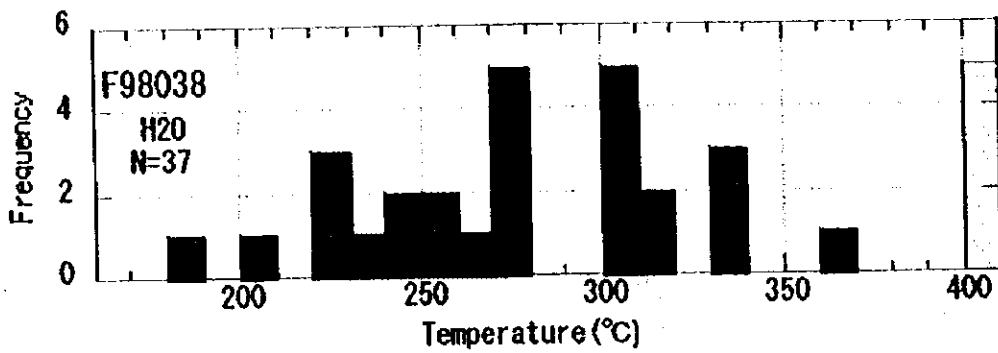
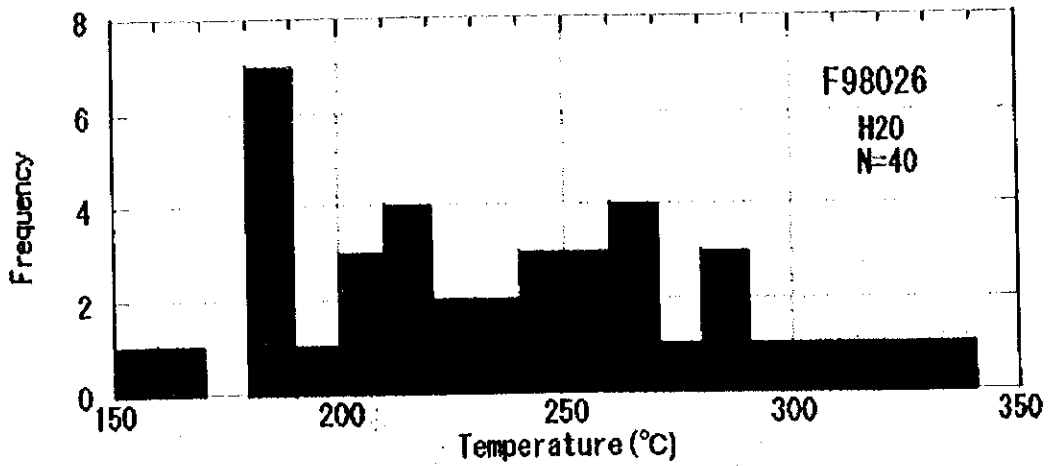
Histograms of Homogenization Temperatures

Block B



□ Above 400°C

Block E, F, G, H

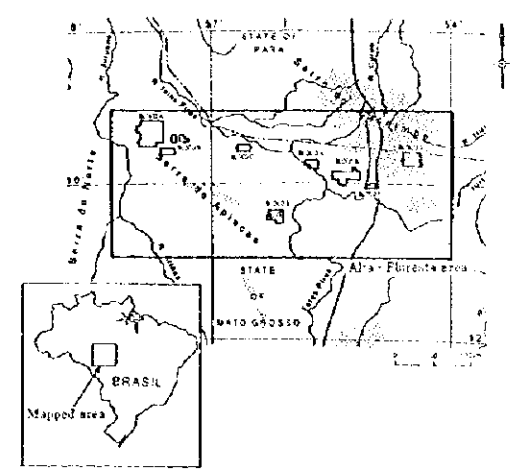




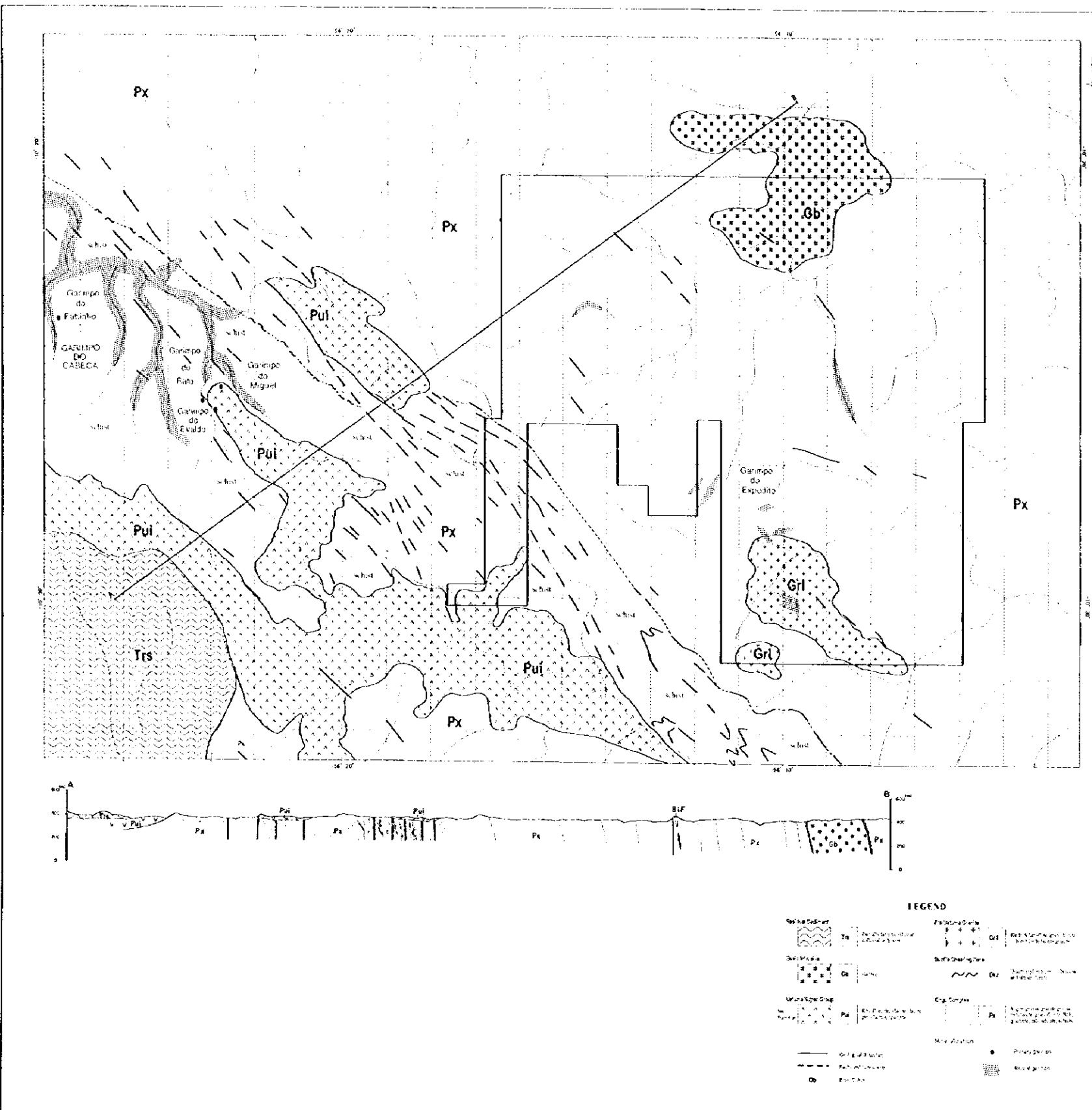
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REPORT ON THE MINERAL EXPLORATION
IN
THE ALTA FLORESTA AREA,
FEDERATIVE REPUBLIC OF BRAZIL
PHASE I

Geological, profile and mineral location
map of Block E



JAPAN INTERNATIONAL COOPERATION AGENCY
METAL MINING AGENCY OF JAPAN
FEBRUARY, 1999

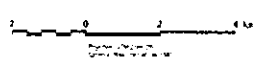


NEOTECTONIC ZONES OF THE MATA DE ALTA AREA

UNIT	AGE	PROTECTIVE STRATIGRAPHY	THICKNESS	STRUCTURE	MINERALIZATION	MINERALIZATION
Px	Pre-Cambrian	Granite	1000-2000m	Block	None	None
Pul	Proterozoic	Schist	100-200m	Block	None	None
Trs	Proterozoic	Schist	100-200m	Block	None	None
Ob	Proterozoic	Schist	100-200m	Block	None	None
Gr	Proterozoic	Schist	100-200m	Block	None	None

LEGEND

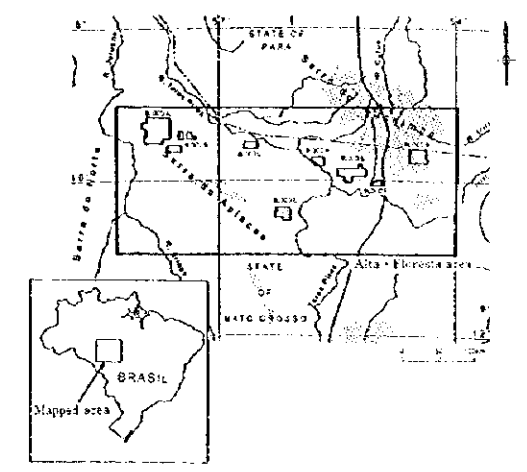
- Granitoid
- Schist
- Metasediment
- Fault
- Mineral location
- Profile line
- Scale bar





REPORT ON THE MINERAL EXPLORATION
IN
THE ALTA FLORESTA AREA,
FEDERATIVE REPUBLIC OF BRAZIL
PHASE I

Sample location in Block E



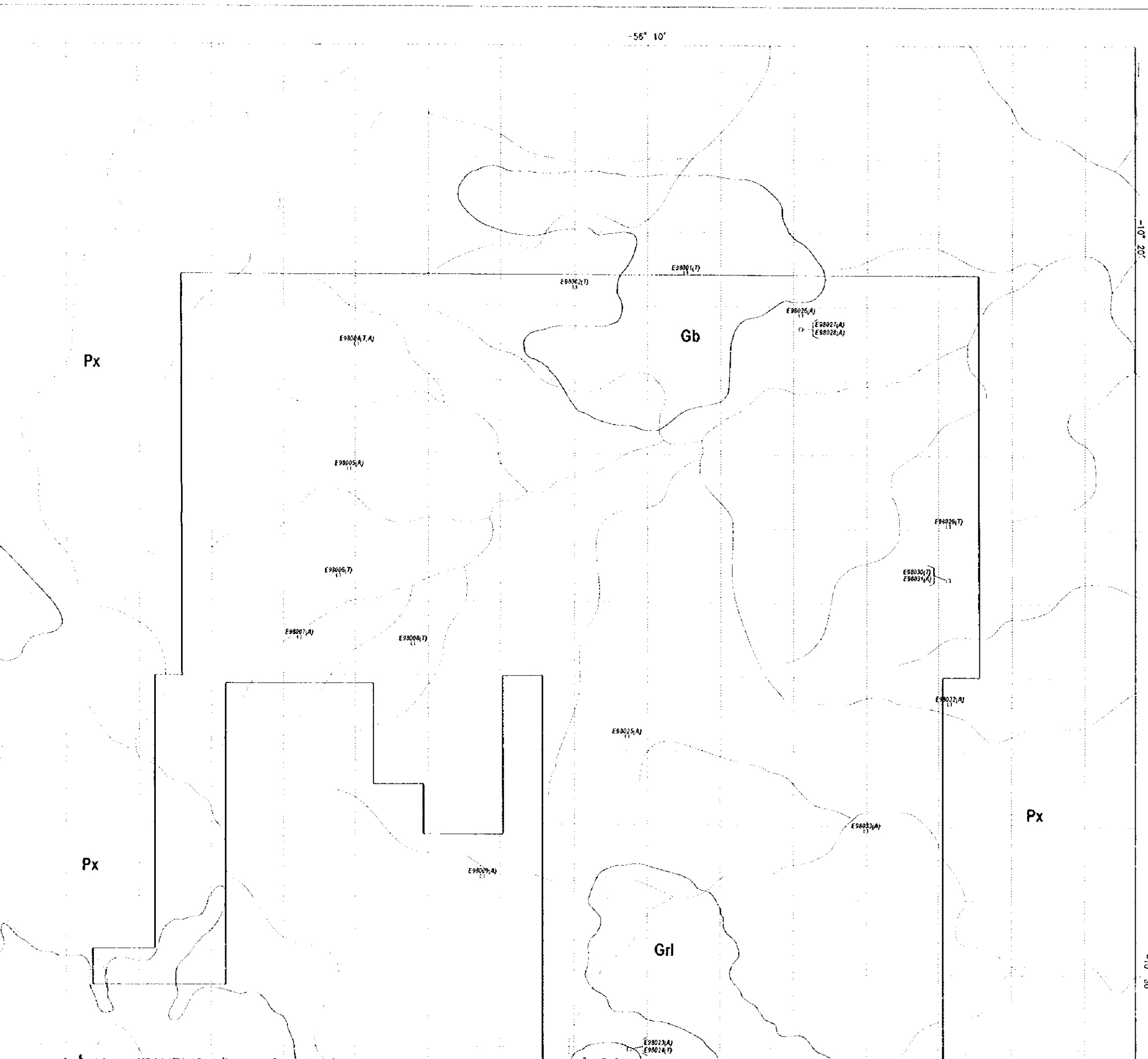
JAPAN INTERNATIONAL COOPERATION AGENCY
METAL MINING AGENCY OF JAPAN
FEBRUARY, 1999



Projection: UTM, Zone 21
Spheroid: New International 1967

LEGEND

Residual Sediment	Trs Partially lateritic effluvial - colluvial sediment	Pre-Uatuma Granite	Gr I Gr I: Adamellite, granodiorite, hornblende biotite granite
Basic Intrusive	Gb Gabbro	Ductile Shearing Zone	Quartz mylonite, micro breccia and ultramylonite
Uatuma Super-Group	Pui Rhyolite, rhyodacite, dacite, pyroclastics, quartzite	Xingu Complex	Px Argon gneiss, granite gneiss, metabasite, granodiorite, BIF, quartzite, calc-silicate, schists
Sample location	A1210 Analyzed sample		
	(T) Thin section		
	(P) Polished section		
	(X) X-ray diffraction analysis		
	(A) Ore assay		
	(F) Fluid inclusion		

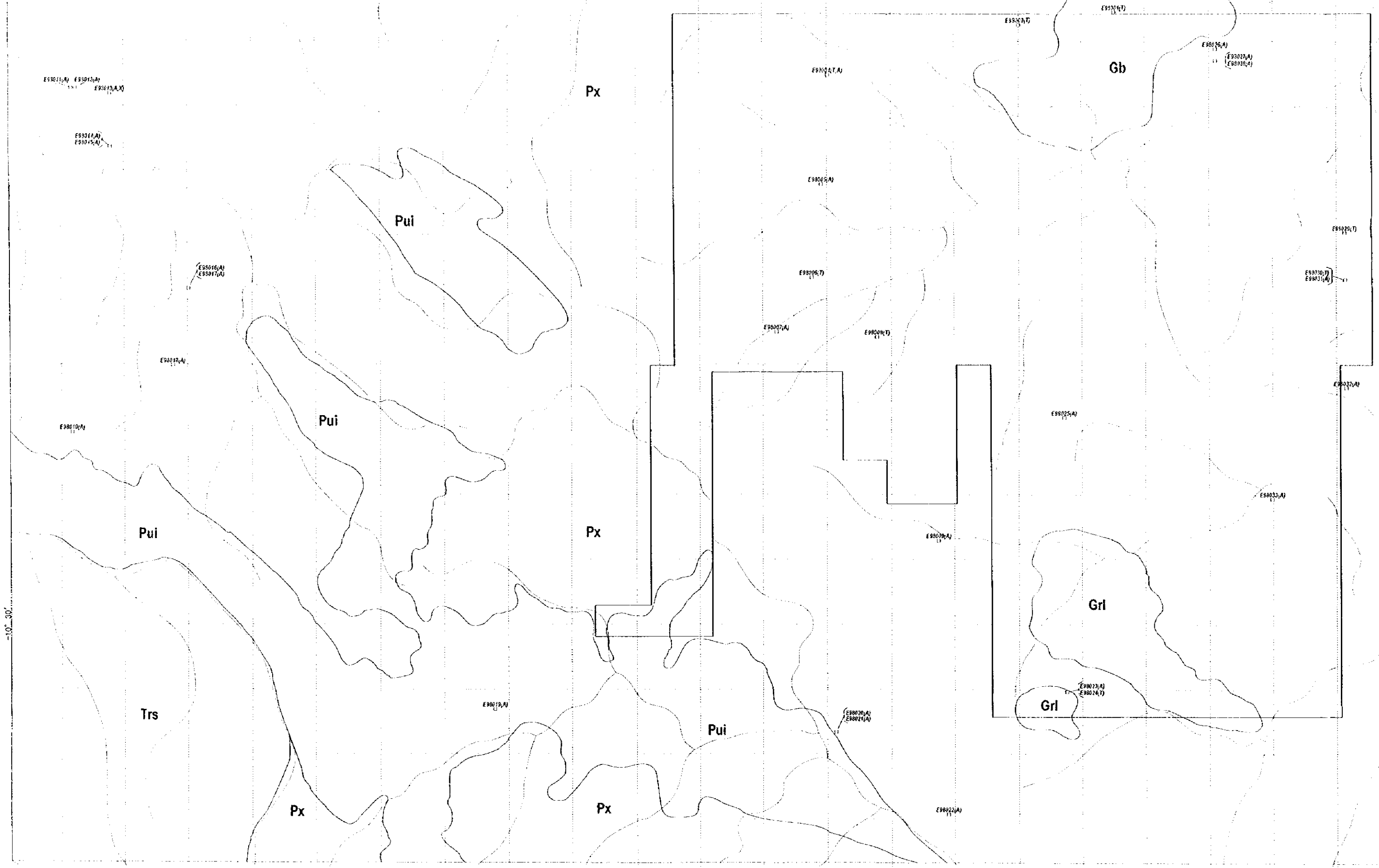


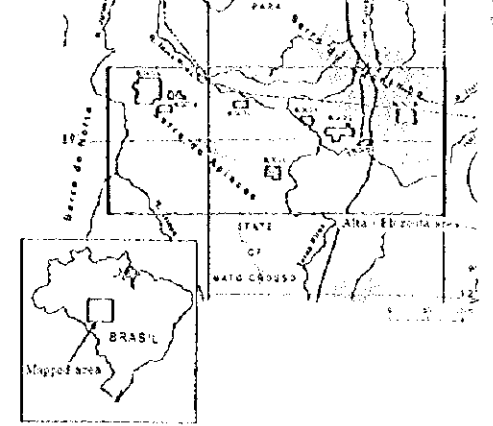
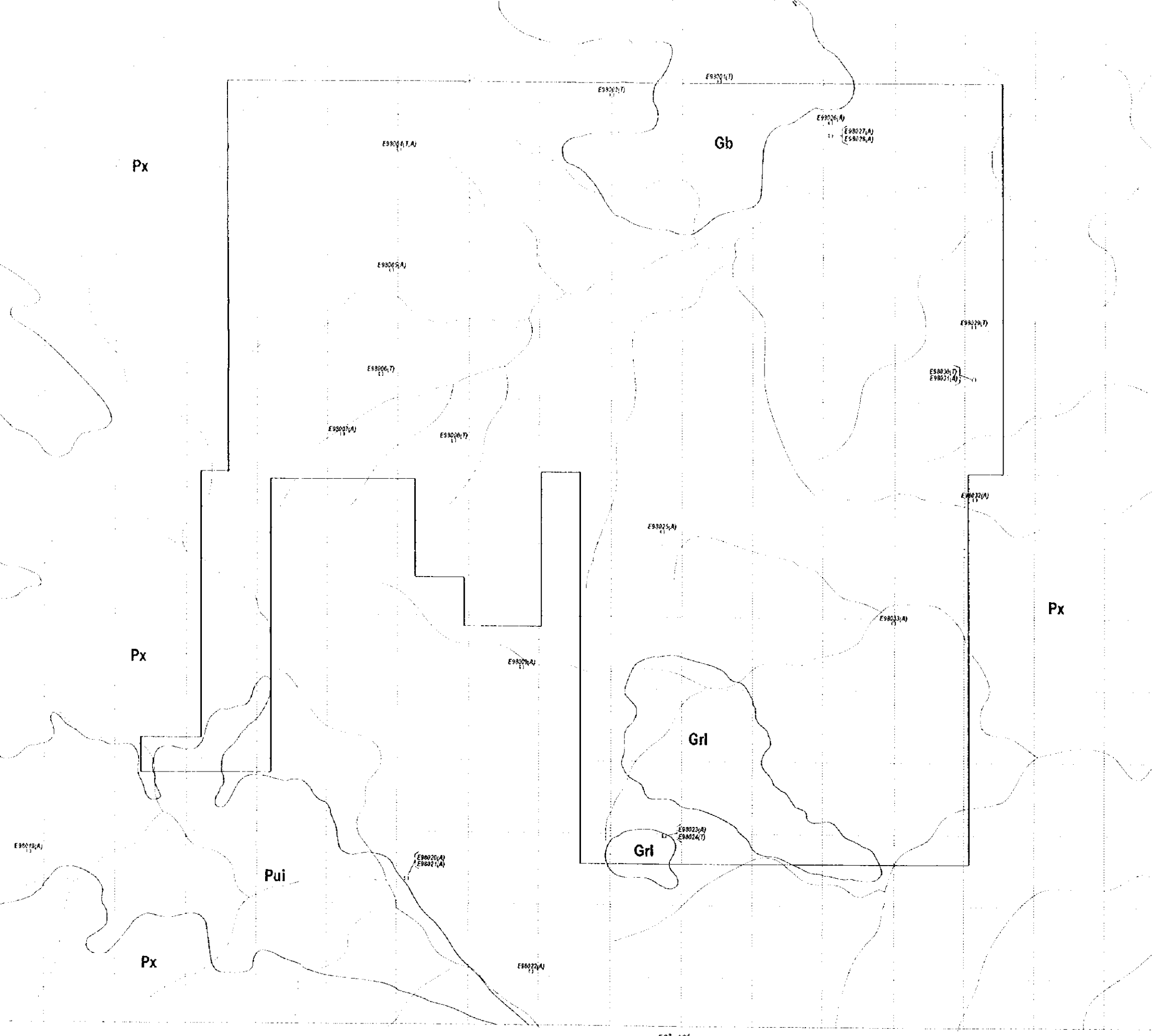
-10° 20'

-10° 30'

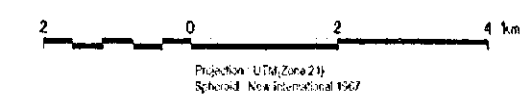
-56° 20'

-56° 10'





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METAL MINING AGENCY OF JAPAN
FEBRUARY, 1999

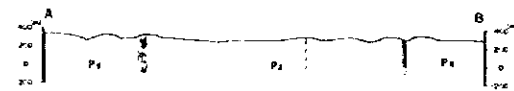
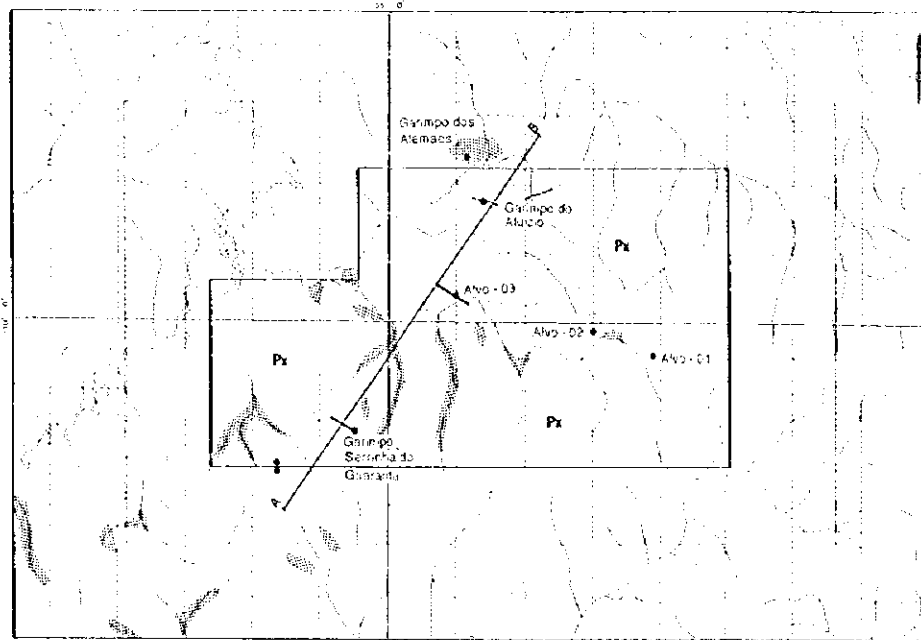


LEGEND

Residual Sediment		Pre-Uatuma Granite	
Trs	Partially laterite effluvial - colluvial sediment	Grl	Gr I: Adamellite, granodiorite, hornblende-biotite granite
Basic Intrusive		Ductile Shearing Zone	
Gb	Gabbro		Quartz mylonite, micro breccia and ultramylonite
Uatuma Super-Group		Xingu Complex	
Pui	Rhyolite, rhyodacite, dacite, pyroclastics, quartzite	Px	Augen gneiss, granite gneiss, melabasite, granodiorite, BIF, quartzite, calc-silicate, schists
Sample location			
Analyzed sample			
T: Thin section			
P: Polished section			
X: X-ray diffraction analysis			
A: Ore assay			
F: Fluid inclusion			

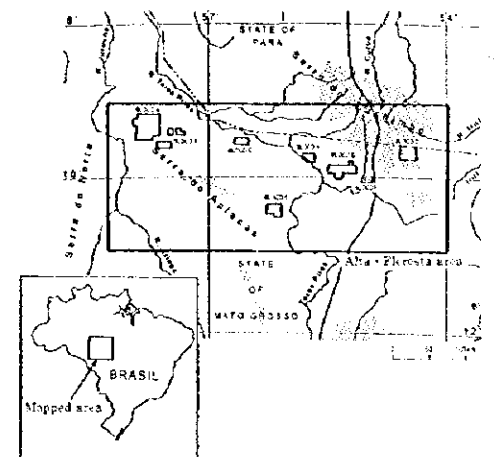
-56° 10'

-10° 30'



REPORT ON THE MINERAL EXPLORATION
IN
THE ALTA FLORESTA AREA,
FEDERATIVE REPUBLIC OF BRAZIL
PHASE I

Geological, profile and mineral location
map of the Block F



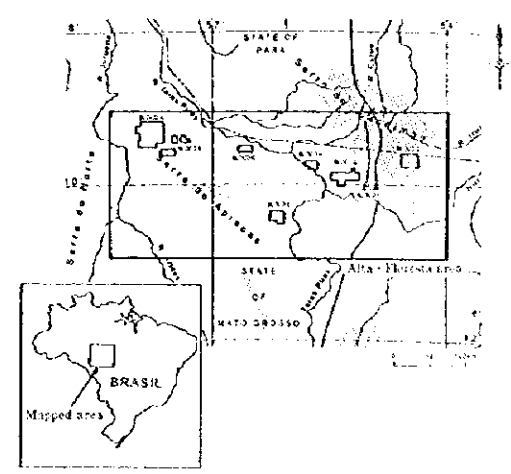
JAPAN INTERNATIONAL COOPERATION AGENCY
METAL MINING AGENCY OF JAPAN
FEBRUARY, 1999

STRATIGRAPHIC SECTION OF THE NEXUS AREA

UNIT	AGE	THICKNESS (m)	DESCRIPTION	MINERALIZATION	MINERALIZATION TYPE	MINERALIZATION GRADE (%)
Pz	1	100	Basaltic andesite	Chalcopyrite, Magnetite	1.5	0.5
Pz	2	150	Andesite	Chalcopyrite, Magnetite	1.5	0.5
Pz	3	100	Basaltic andesite	Chalcopyrite, Magnetite	1.5	0.5
Pz	4	100	Basaltic andesite	Chalcopyrite, Magnetite	1.5	0.5
Pz	5	100	Basaltic andesite	Chalcopyrite, Magnetite	1.5	0.5
Pz	6	100	Basaltic andesite	Chalcopyrite, Magnetite	1.5	0.5
Pz	7	100	Basaltic andesite	Chalcopyrite, Magnetite	1.5	0.5
Pz	8	100	Basaltic andesite	Chalcopyrite, Magnetite	1.5	0.5
Pz	9	100	Basaltic andesite	Chalcopyrite, Magnetite	1.5	0.5
Pz	10	100	Basaltic andesite	Chalcopyrite, Magnetite	1.5	0.5
Pz	11	100	Basaltic andesite	Chalcopyrite, Magnetite	1.5	0.5
Pz	12	100	Basaltic andesite	Chalcopyrite, Magnetite	1.5	0.5
Pz	13	100	Basaltic andesite	Chalcopyrite, Magnetite	1.5	0.5
Pz	14	100	Basaltic andesite	Chalcopyrite, Magnetite	1.5	0.5
Pz	15	100	Basaltic andesite	Chalcopyrite, Magnetite	1.5	0.5
Pz	16	100	Basaltic andesite	Chalcopyrite, Magnetite	1.5	0.5
Pz	17	100	Basaltic andesite	Chalcopyrite, Magnetite	1.5	0.5
Pz	18	100	Basaltic andesite	Chalcopyrite, Magnetite	1.5	0.5
Pz	19	100	Basaltic andesite	Chalcopyrite, Magnetite	1.5	0.5
Pz	20	100	Basaltic andesite	Chalcopyrite, Magnetite	1.5	0.5
Pz	21	100	Basaltic andesite	Chalcopyrite, Magnetite	1.5	0.5
Pz	22	100	Basaltic andesite	Chalcopyrite, Magnetite	1.5	0.5
Pz	23	100	Basaltic andesite	Chalcopyrite, Magnetite	1.5	0.5
Pz	24	100	Basaltic andesite	Chalcopyrite, Magnetite	1.5	0.5
Pz	25	100	Basaltic andesite	Chalcopyrite, Magnetite	1.5	0.5
Pz	26	100	Basaltic andesite	Chalcopyrite, Magnetite	1.5	0.5
Pz	27	100	Basaltic andesite	Chalcopyrite, Magnetite	1.5	0.5
Pz	28	100	Basaltic andesite	Chalcopyrite, Magnetite	1.5	0.5
Pz	29	100	Basaltic andesite	Chalcopyrite, Magnetite	1.5	0.5
Pz	30	100	Basaltic andesite	Chalcopyrite, Magnetite	1.5	0.5
Pz	31	100	Basaltic andesite	Chalcopyrite, Magnetite	1.5	0.5
Pz	32	100	Basaltic andesite	Chalcopyrite, Magnetite	1.5	0.5
Pz	33	100	Basaltic andesite	Chalcopyrite, Magnetite	1.5	0.5
Pz	34	100	Basaltic andesite	Chalcopyrite, Magnetite	1.5	0.5
Pz	35	100	Basaltic andesite	Chalcopyrite, Magnetite	1.5	0.5
Pz	36	100	Basaltic andesite	Chalcopyrite, Magnetite	1.5	0.5
Pz	37	100	Basaltic andesite	Chalcopyrite, Magnetite	1.5	0.5
Pz	38	100	Basaltic andesite	Chalcopyrite, Magnetite	1.5	0.5
Pz	39	100	Basaltic andesite	Chalcopyrite, Magnetite	1.5	0.5
Pz	40	100	Basaltic andesite	Chalcopyrite, Magnetite	1.5	0.5
Pz	41	100	Basaltic andesite	Chalcopyrite, Magnetite	1.5	0.5
Pz	42	100	Basaltic andesite	Chalcopyrite, Magnetite	1.5	0.5
Pz	43	100	Basaltic andesite	Chalcopyrite, Magnetite	1.5	0.5
Pz	44	100	Basaltic andesite	Chalcopyrite, Magnetite	1.5	0.5
Pz	45	100	Basaltic andesite	Chalcopyrite, Magnetite	1.5	0.5
Pz	46	100	Basaltic andesite	Chalcopyrite, Magnetite	1.5	0.5
Pz	47	100	Basaltic andesite	Chalcopyrite, Magnetite	1.5	0.5
Pz	48	100	Basaltic andesite	Chalcopyrite, Magnetite	1.5	0.5
Pz	49	100	Basaltic andesite	Chalcopyrite, Magnetite	1.5	0.5
Pz	50	100	Basaltic andesite	Chalcopyrite, Magnetite	1.5	0.5

REPORT ON THE MINERAL EXPLORATION
IN
THE ALTA FLORESTA AREA,
FEDERATIVE REPUBLIC OF BRAZIL
PHASE I

Sample location in Block F



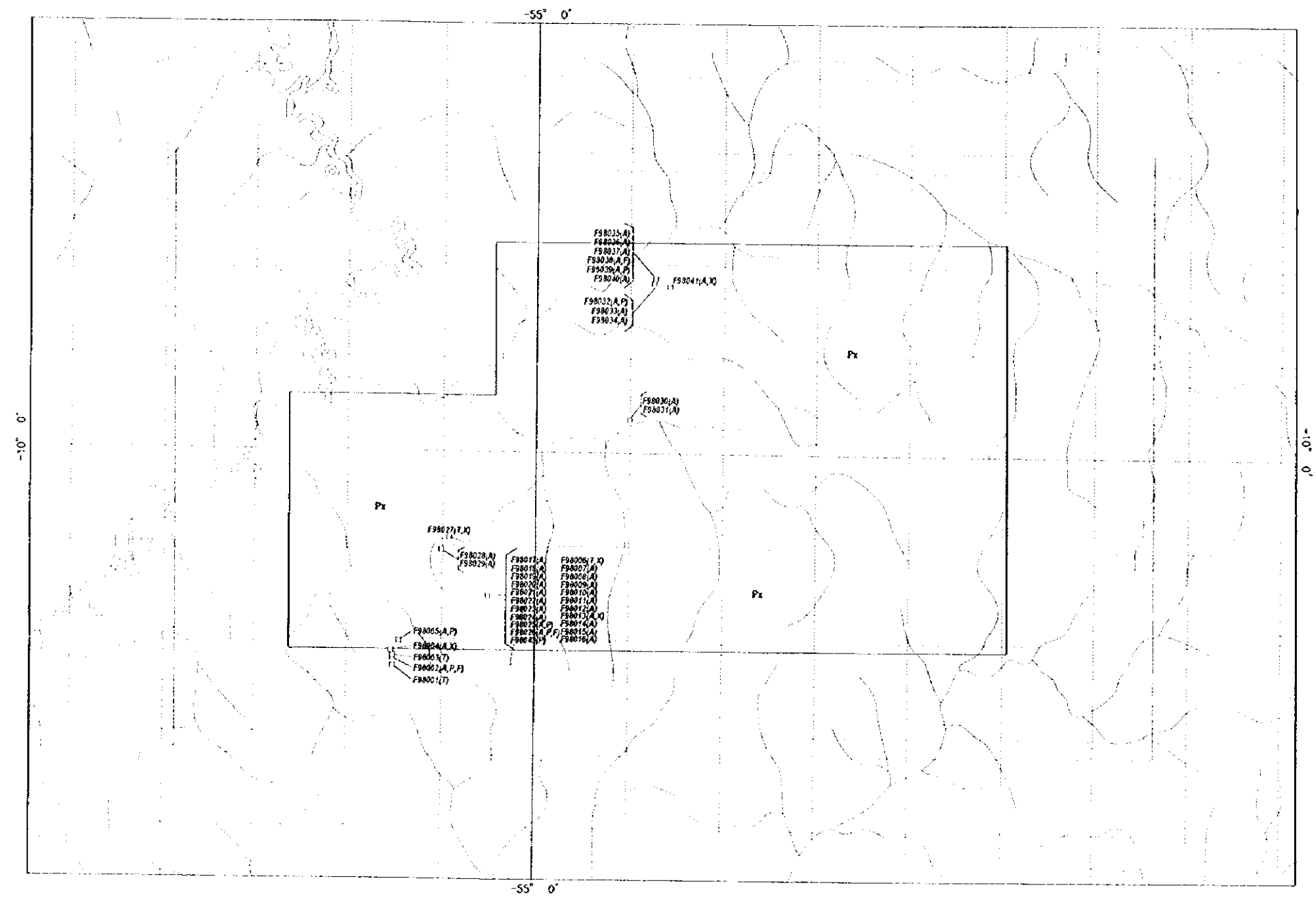
JAPAN INTERNATIONAL COOPERATION AGENCY
METAL MINING AGENCY OF JAPAN
FEBRUARY, 1999



Projection: UTM (Zone 21)
Spheroid: New International 1967

LEGEND

- Xingu Complex
 - Px Augen gneiss, granite gneiss, metabasite, granodiorite, BIF, quartzite, calc-silicate, schists
- Sample location
 - A1010 Analyzed sample
 - F Thin section
 - P Polished section
 - X X-ray diffraction analysis
 - A Ore assay
 - F Fluid inclusion

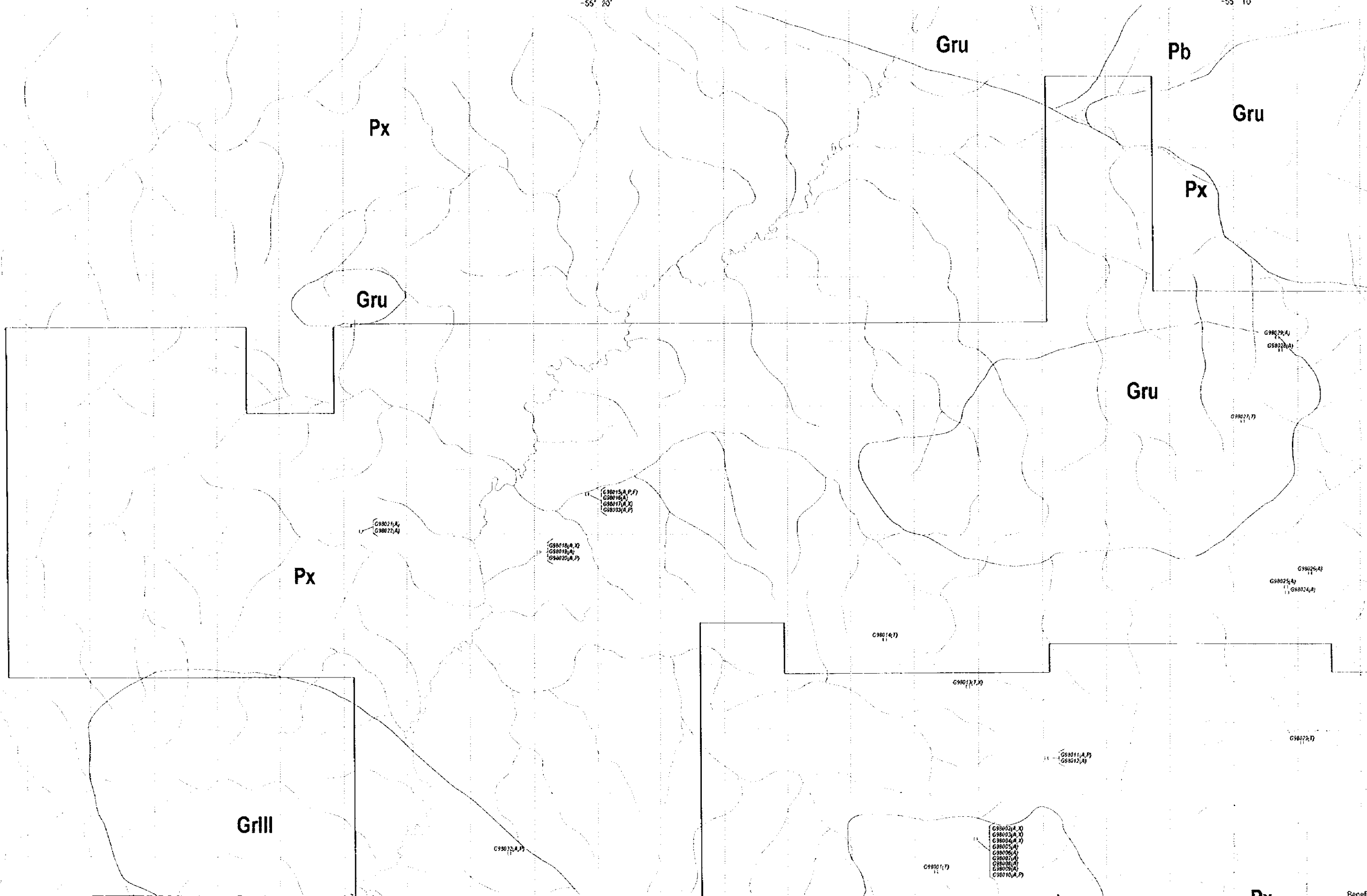


-55° 30'

-55° 20'

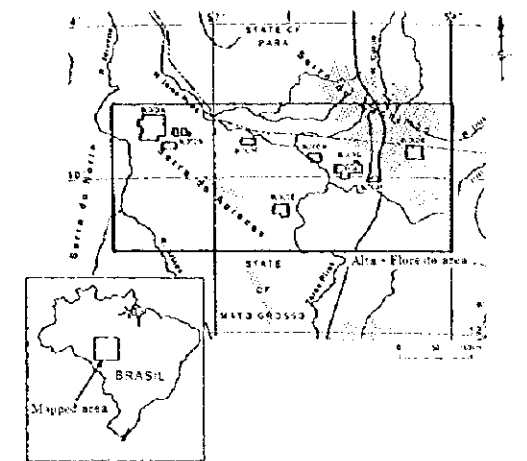
-55° 10'

-9° 50'



REPORT ON THE MINERAL EXPLORATION
IN
THE ALTA FLORESTA AREA,
FEDERATIVE REPUBLIC OF BRAZIL
PHASE I

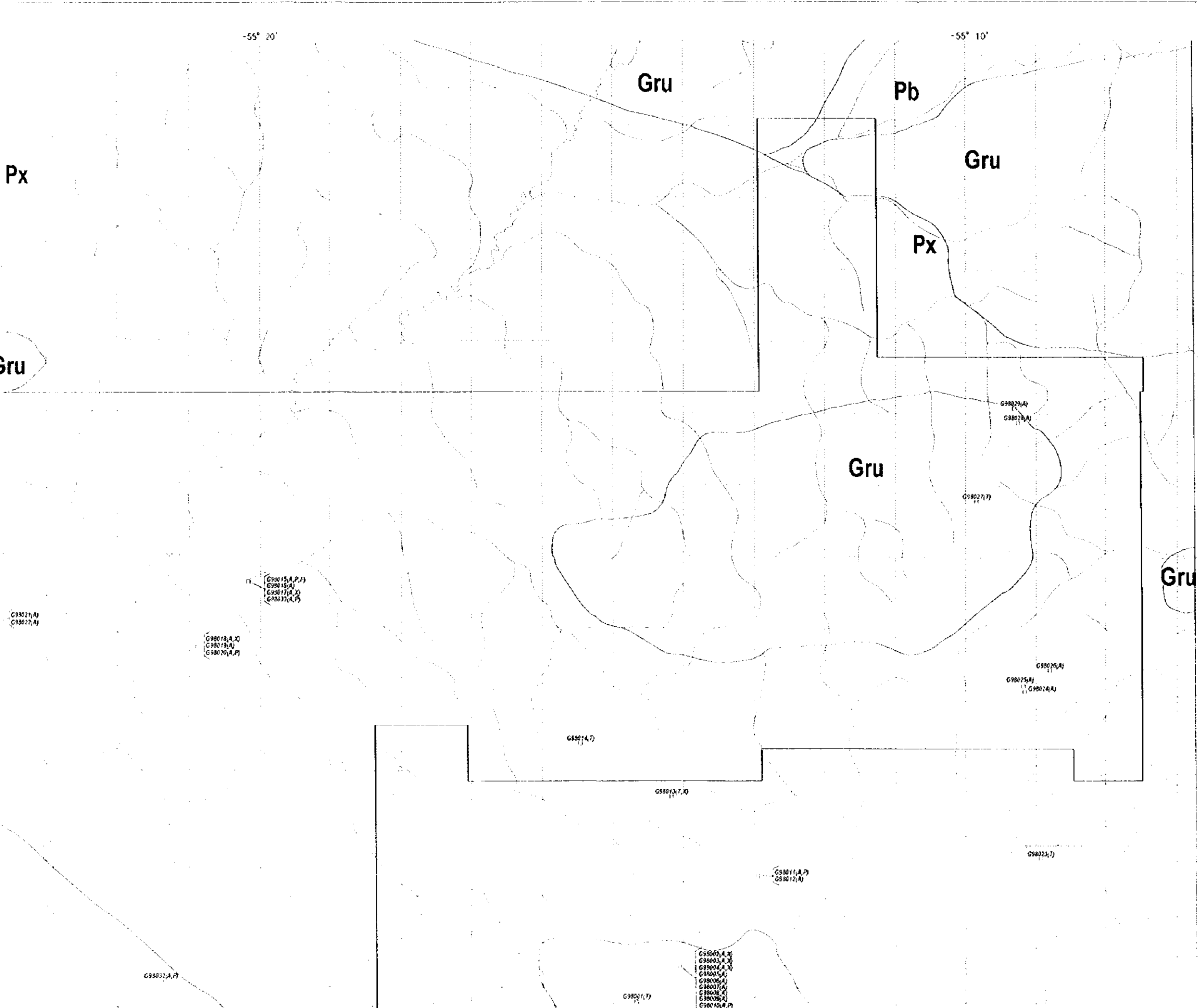
Sample location in Block G



JAPAN INTERNATIONAL COOPERATION AGENCY
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FEBRUARY, 1999



Projection: UTM (Zone 21)
Spheroid: Geodetic International 1967



LEGEND

-5° 50'

-10° 0'

-55° 30'

-55° 20'

-55° 10'

Gru

Gru

Px

Grll

Grl

Grll

Px

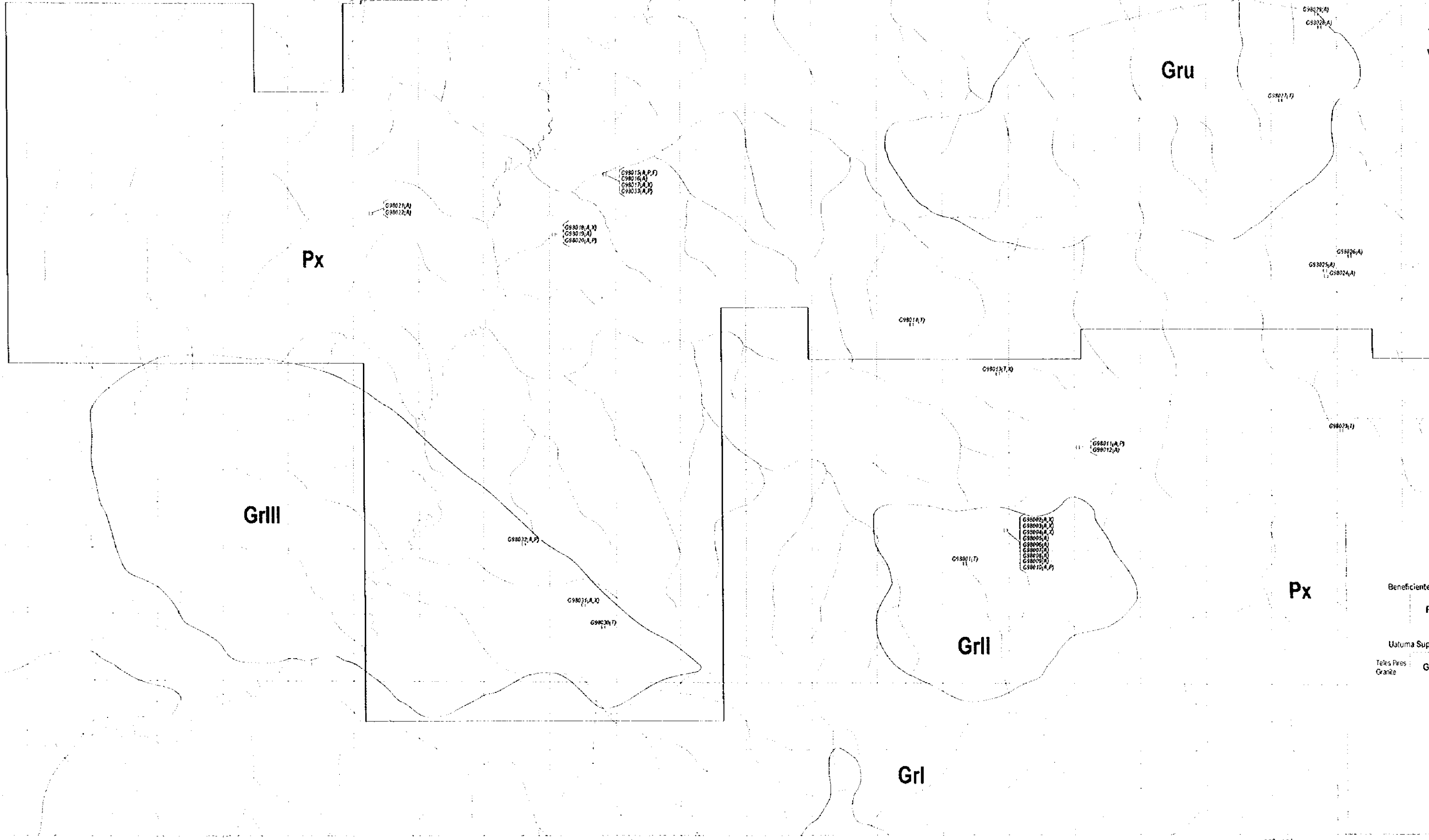
Beneficiario

P

Utama Sup

Tekas Pires : Granite

Gi



ru

G98021(A)
G98022(A)

G98015(A,P)
G98016(A)
G98017(A,X)
G98018(A,P)

G98019(A,X)
G98020(A,P)

G98021(A,P)

G98021(A,X)

G98022(A,P)

G98014(T)

G98013(T,X)

G98011(A,P)
G98012(A)

G9808(T)

G9809(A,X)
G9803(A,X)
G9804(A,X)
G9805(A)
G9806(A)
G9807(A)
G9808(A)
G9809(A)
G9810(A,P)

G98029(A)
G98028(A)

G98027(T)

G98026(A)
G98025(A)
G98024(A)

G98023(T)

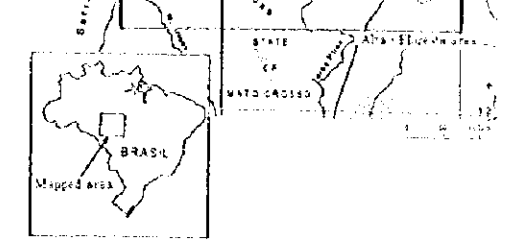
Gru

Gru

Px

GrII

GrI



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FEBRUARY, 1999



Projection: UTM Zone 21J
Spheroid: New International 1967

LEGEND

Beneficente Group

Pb Orthoquartzite, metasandstone, metaarkose, siltite, argillite

Uatuma Super-Group

Teles Pires Granite **Gru** Calc-alkaligranite, biotite granite, porphyry granite, adamellite

Pre-Uatuma Granite

Gr I Gr I: Adamellite, granodiorite, hornblende biotite granite

Gr II Gr II: Two mica granite, biotite monzogranite, hydrothermal granite

Gr III Gr III: Syenitic biotite granite, alkali granite

Xingu Complex

Px Augen gneiss, granite gneiss, metabasite, granodiorite, IHE, quartzite, calc-silicate, schists

Sample location

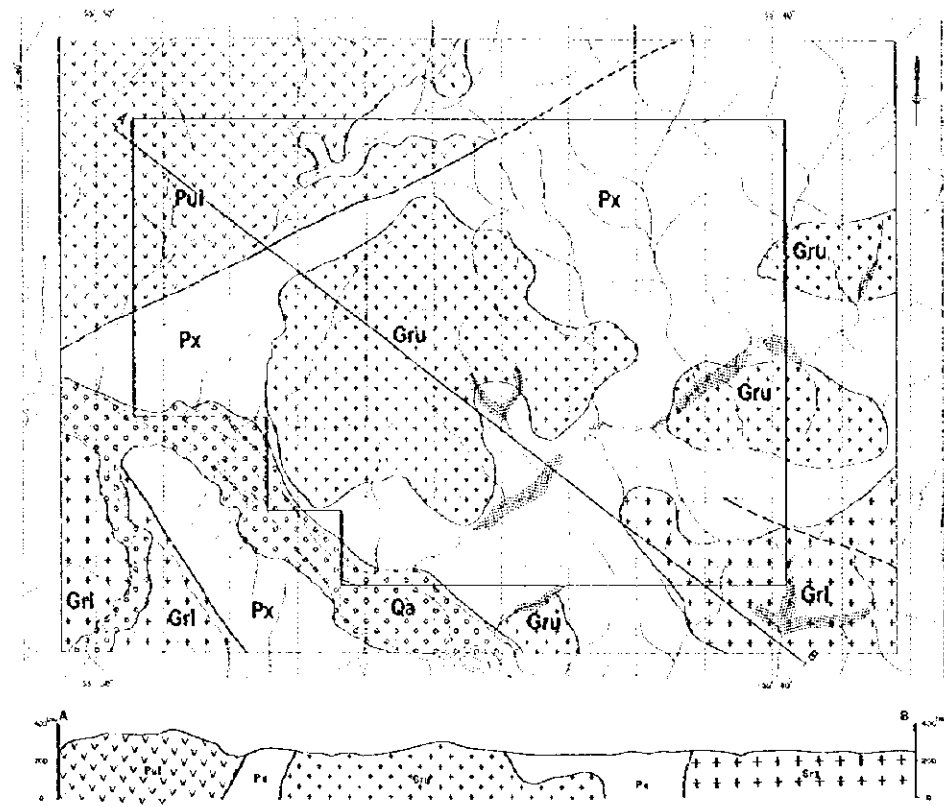
A1010

Analyzed sample
T Thin section
P Polished section
X X-ray diffraction analysis
A Ore assay
I Fluid inclusion

-55° 20'

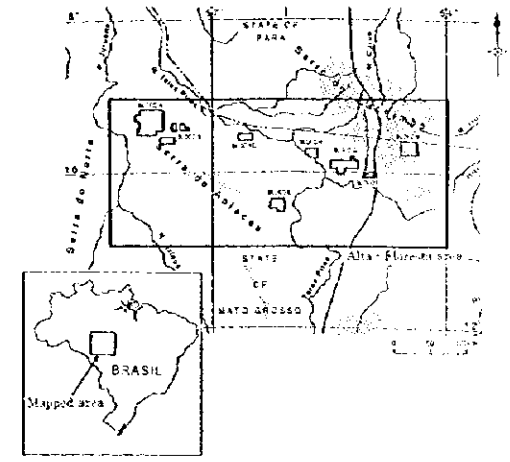
-55° 10'

-9° 50'



REPORT ON THE MINERAL EXPLORATION
IN
THE ALTA FLORESTA AREA,
FEDERATIVE REPUBLIC OF BRAZIL
PHASE I

Geological, profile and mineral location
map of the Block H



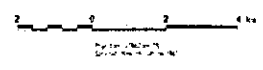
JAPAN INTERNATIONAL COOPERATION AGENCY
METAL MINING AGENCY OF JAPAN
FEBRUARY, 1999

LEGEND

- | | |
|---|--|
| <p>Rock Units</p> <ul style="list-style-type: none"> Grl: Gabbro Pxl: Pxlite Px: Pyroxenite Gru: Granulite Ga: Gabbro and amphibolite | <p>Structural Features</p> <ul style="list-style-type: none"> Gr: Fault Grp: Syncline Pl: Plunge |
| <p>Other Symbols</p> <ul style="list-style-type: none"> ---: Road ---: Stream ---: Boundary | <p>Other Symbols</p> <ul style="list-style-type: none"> •: Primary sample □: Mine point |

STRATIGRAPHIC SECTION OF THE MAPPED AREA

UNIT	THICKNESS (m)	DESCRIPTION	CONTACT	REMARKS	MINERALIZATION	SP. GRAVITY	PERCENTAGE OF MINERALIZATION
1	100	Granulite	Conformable				
2	150	Gabbro	Conformable				
3	200	Pyroxenite	Conformable				
4	100	Gabbro and amphibolite	Conformable				
5	100	Pxlite	Conformable				
6	100	Gabbro	Conformable				
7	100	Granulite	Conformable				
8	100	Gabbro	Conformable				
9	100	Granulite	Conformable				
10	100	Gabbro	Conformable				
11	100	Granulite	Conformable				
12	100	Gabbro	Conformable				
13	100	Granulite	Conformable				
14	100	Gabbro	Conformable				
15	100	Granulite	Conformable				
16	100	Gabbro	Conformable				
17	100	Granulite	Conformable				
18	100	Gabbro	Conformable				
19	100	Granulite	Conformable				
20	100	Gabbro	Conformable				
21	100	Granulite	Conformable				
22	100	Gabbro	Conformable				
23	100	Granulite	Conformable				
24	100	Gabbro	Conformable				
25	100	Granulite	Conformable				
26	100	Gabbro	Conformable				
27	100	Granulite	Conformable				
28	100	Gabbro	Conformable				
29	100	Granulite	Conformable				
30	100	Gabbro	Conformable				
31	100	Granulite	Conformable				
32	100	Gabbro	Conformable				
33	100	Granulite	Conformable				
34	100	Gabbro	Conformable				
35	100	Granulite	Conformable				
36	100	Gabbro	Conformable				
37	100	Granulite	Conformable				
38	100	Gabbro	Conformable				
39	100	Granulite	Conformable				
40	100	Gabbro	Conformable				
41	100	Granulite	Conformable				
42	100	Gabbro	Conformable				
43	100	Granulite	Conformable				
44	100	Gabbro	Conformable				
45	100	Granulite	Conformable				
46	100	Gabbro	Conformable				
47	100	Granulite	Conformable				
48	100	Gabbro	Conformable				
49	100	Granulite	Conformable				
50	100	Gabbro	Conformable				



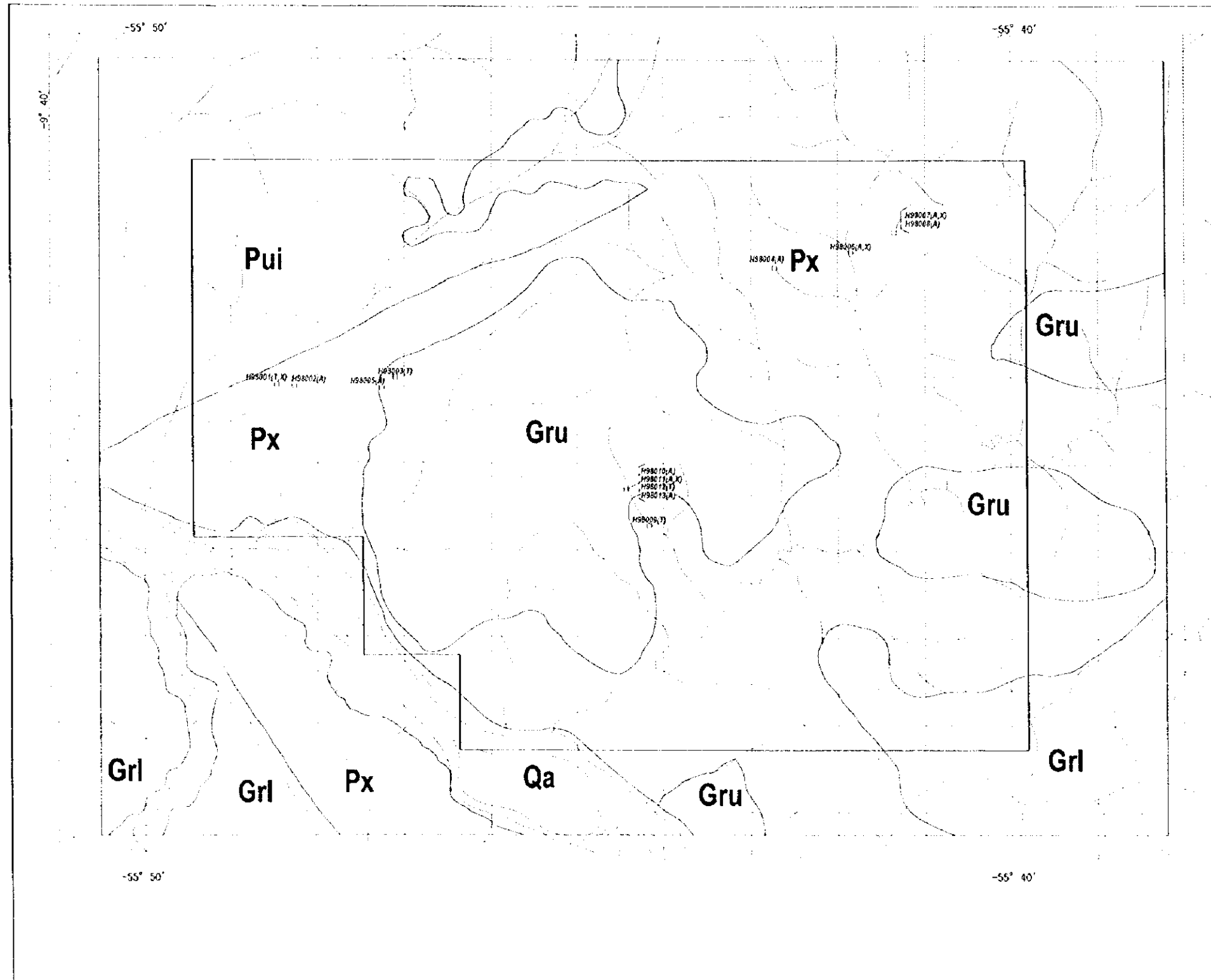


Plate II 1-8

**REPORT ON THE MINERAL EXPLORATION
IN
THE ALTA FLORESTA AREA,
FEDERATIVE REPUBLIC OF BRAZIL
PHASE I**

Sample location in Block H

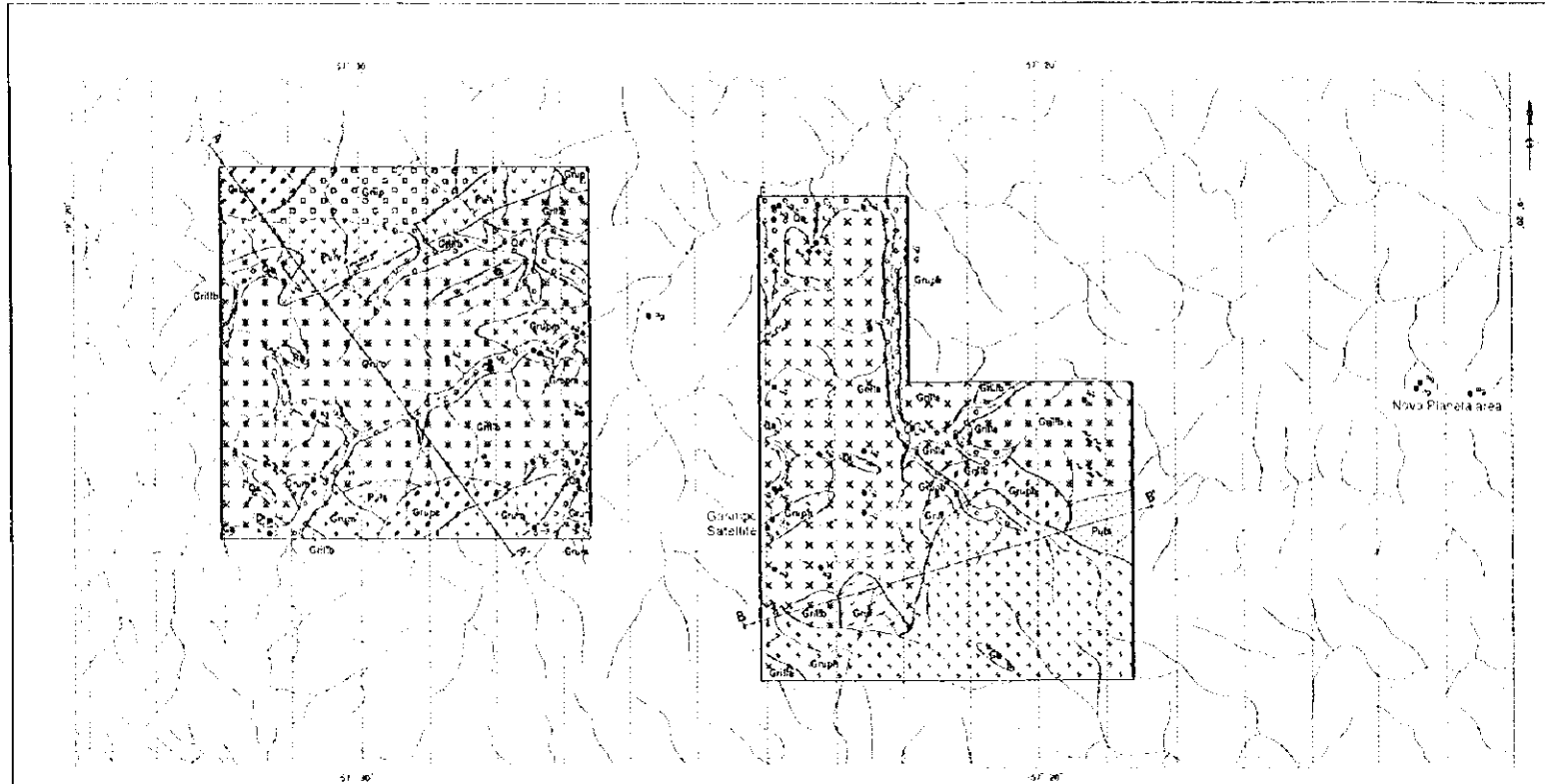
JAPAN INTERNATIONAL COOPERATION AGENCY
METAL MINING AGENCY OF JAPAN
FEBRUARY, 1999



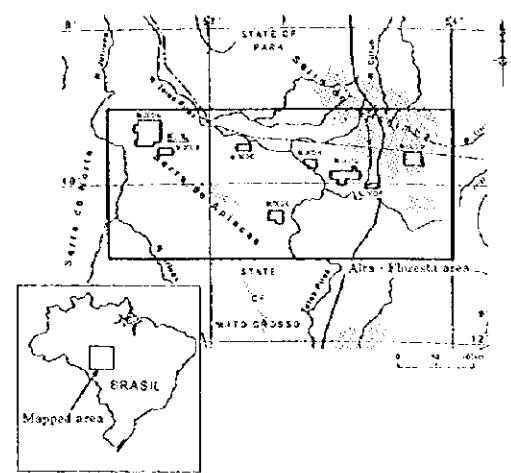
Projection: UTM Zone 23J
Spheroid: New International 1967

LEGEND

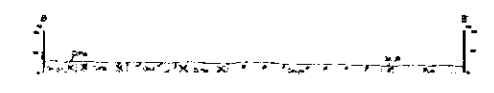
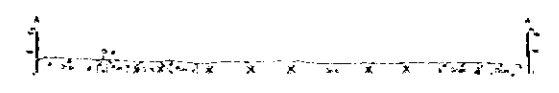
Recent Alluvium	Pre-Uafuma Granite
Qa Inconsolidated alluvial sediments	Grl Gr 1: Adamellite, granodiorite, hornblende biotite granite
Uafuma Super-Group	Xingu Complex
Teles Pres. Granite Gru Calcic alkali granite, biotite granite, porphyry granite, adamellite	Px Augen gneiss, granite gneiss, metabasite, granodiorite, BIF, quartzite, calc-silicate, schists
Ini Fomigão Pui Rhyolite, rhyodacite, dacite, pyroclastics, quartzite	Sample location
	A1010 Analyzed sample T Thin section P Polished section X X-ray diffraction analysis A Ore assay F Fluid inclusion



REPORT ON THE MINERAL EXPLORATION
IN
THE ALTA FLORESTA AREA,
FEDERATIVE REPUBLIC OF BRAZIL
PHASE I
Geological, profile and mineral location
map of the Block B



JAPAN INTERNATIONAL COOPERATION AGENCY
METAL MINING AGENCY OF JAPAN
FEBRUARY, 1999

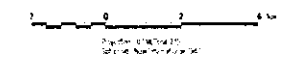


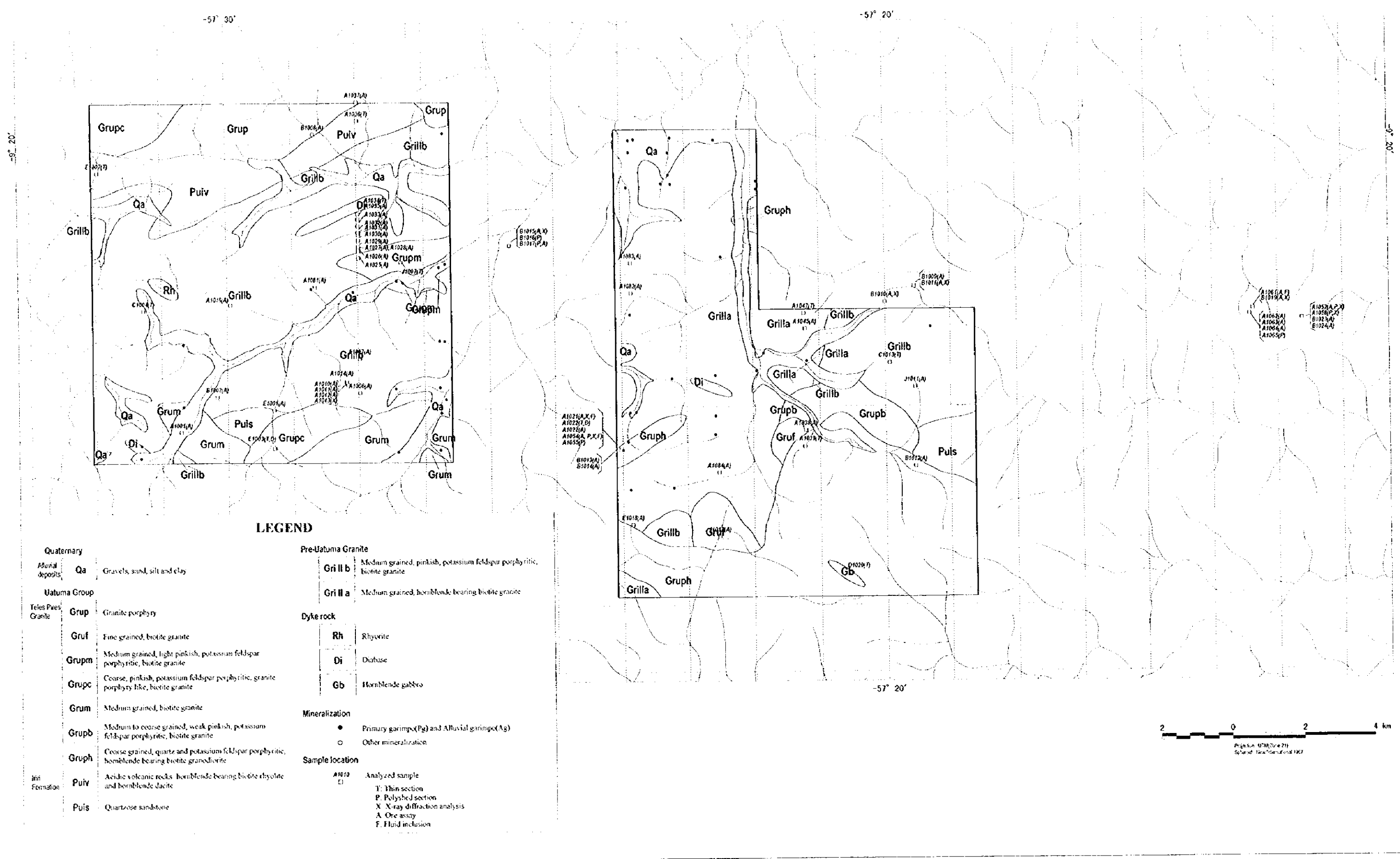
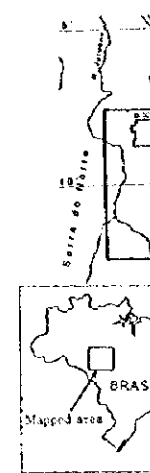
LEGEND

- | | |
|--|---|
| <p>Quaternary</p> <p>Qa: Recent alluvium</p> <p>Qb: Recent alluvium</p> <p>Qc: Recent alluvium</p> <p>Qd: Recent alluvium</p> <p>Qe: Recent alluvium</p> <p>Qf: Recent alluvium</p> <p>Qg: Recent alluvium</p> <p>Qh: Recent alluvium</p> <p>Qi: Recent alluvium</p> <p>Qj: Recent alluvium</p> <p>Qk: Recent alluvium</p> <p>Ql: Recent alluvium</p> <p>Qm: Recent alluvium</p> <p>Qn: Recent alluvium</p> <p>Qo: Recent alluvium</p> <p>Qp: Recent alluvium</p> <p>Qq: Recent alluvium</p> <p>Qr: Recent alluvium</p> <p>Qs: Recent alluvium</p> <p>Qt: Recent alluvium</p> <p>Qu: Recent alluvium</p> <p>Qv: Recent alluvium</p> <p>Qw: Recent alluvium</p> <p>Qx: Recent alluvium</p> <p>Qy: Recent alluvium</p> <p>Qz: Recent alluvium</p> | <p>Pre-Cambrian</p> <p>Pg: Granite</p> <p>PgA: Granite</p> <p>PgB: Granite</p> <p>PgC: Granite</p> <p>PgD: Granite</p> <p>PgE: Granite</p> <p>PgF: Granite</p> <p>PgG: Granite</p> <p>PgH: Granite</p> <p>PgI: Granite</p> <p>PgJ: Granite</p> <p>PgK: Granite</p> <p>PgL: Granite</p> <p>PgM: Granite</p> <p>PgN: Granite</p> <p>PgO: Granite</p> <p>PgP: Granite</p> <p>PgQ: Granite</p> <p>PgR: Granite</p> <p>PgS: Granite</p> <p>PgT: Granite</p> <p>PgU: Granite</p> <p>PgV: Granite</p> <p>PgW: Granite</p> <p>PgX: Granite</p> <p>PgY: Granite</p> <p>PgZ: Granite</p> |
|--|---|

STRATIGRAPHIC SECTION OF THE STUDY AREA

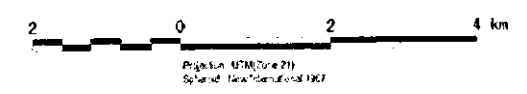
UNIT	STRATIGRAPHIC POSITION	THICKNESS (m)	DESCRIPTION	MINERAL CONTENT	REMARKS
Qa	1	0-5	Recent alluvium		
Qb	2	5-10	Recent alluvium		
Qc	3	10-15	Recent alluvium		
Qd	4	15-20	Recent alluvium		
Qe	5	20-25	Recent alluvium		
Qf	6	25-30	Recent alluvium		
Qg	7	30-35	Recent alluvium		
Qh	8	35-40	Recent alluvium		
Qi	9	40-45	Recent alluvium		
Qj	10	45-50	Recent alluvium		
Qk	11	50-55	Recent alluvium		
Ql	12	55-60	Recent alluvium		
Qm	13	60-65	Recent alluvium		
Qn	14	65-70	Recent alluvium		
Qo	15	70-75	Recent alluvium		
Qp	16	75-80	Recent alluvium		
Qq	17	80-85	Recent alluvium		
Qr	18	85-90	Recent alluvium		
Qs	19	90-95	Recent alluvium		
Qt	20	95-100	Recent alluvium		
Qv	21	100-105	Recent alluvium		
Qw	22	105-110	Recent alluvium		
Qx	23	110-115	Recent alluvium		
Qy	24	115-120	Recent alluvium		
Qz	25	120-125	Recent alluvium		
Pg	26	125-130	Granite		
PgA	27	130-135	Granite		
PgB	28	135-140	Granite		
PgC	29	140-145	Granite		
PgD	30	145-150	Granite		
PgE	31	150-155	Granite		
PgF	32	155-160	Granite		
PgG	33	160-165	Granite		
PgH	34	165-170	Granite		
PgI	35	170-175	Granite		
PgJ	36	175-180	Granite		
PgK	37	180-185	Granite		
PgL	38	185-190	Granite		
PgM	39	190-195	Granite		
PgN	40	195-200	Granite		
PgO	41	200-205	Granite		
PgP	42	205-210	Granite		
PgQ	43	210-215	Granite		
PgR	44	215-220	Granite		
PgS	45	220-225	Granite		
PgT	46	225-230	Granite		
PgU	47	230-235	Granite		
PgV	48	235-240	Granite		
PgW	49	240-245	Granite		
PgX	50	245-250	Granite		
PgY	51	250-255	Granite		
PgZ	52	255-260	Granite		





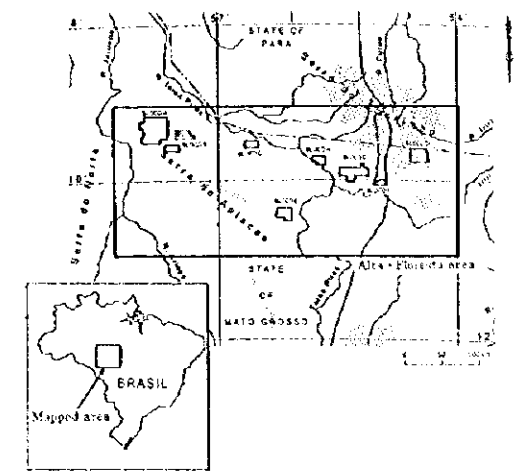
LEGEND

- | | | | |
|---------------------|--|---------------------------|---|
| Quaternary | | Pre-Uatuma Granite | |
| Aluvial deposits | Qa Gravels, sand, silt and clay | Grill b | Medium grained, pinkish, potassium feldspar porphyritic, biotite granite |
| Uatuma Group | | Grill a | Medium grained, hornblende bearing biotite granite |
| Tefes Pres Granite | Grup Granite porphyry | Dyke rock | |
| | Gruf Fine grained, biotite granite | Rh | Rhyolite |
| | Grupm Medium grained, light pinkish, potassium feldspar porphyritic, biotite granite | Di | Dabase |
| | Grupc Coarse, pinkish, potassium feldspar porphyritic, granite porphyry like, biotite granite | Gb | Hornblende gabbro |
| | Grum Medium grained, biotite granite | Mineralization | |
| | Grupb Medium to coarse grained, weak pinkish, potassium feldspar porphyritic, biotite granite | ● | Primary garimp(Pg) and Aluvial garimp(Ag) |
| | Gruph Coarse grained, quartz and potassium feldspar porphyritic, hornblende bearing biotite gneissiorite | ○ | Other mineralization |
| Andi Formation | Puiv Acidic volcanic rocks, hornblende bearing biotite thryolite and hornblende dacite | Sample location | |
| | Puis Quartzose sandstone | A1010 | Analyzed sample |
| | | □ | T: Thin section
P: Polished section
X: X-ray diffraction analysis
A: Ore assay
F: Fluid inclusion |

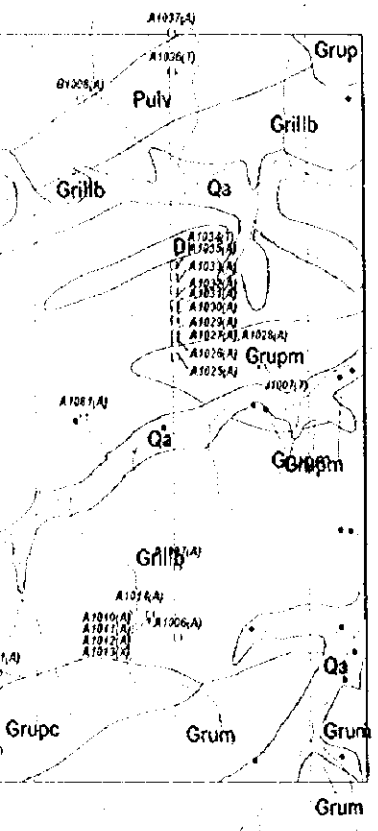


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Sample location in Block B

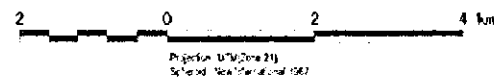


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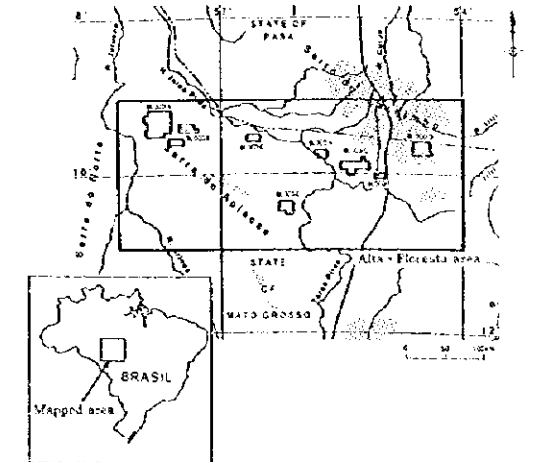
LEGEND

- Pre-Uatuma Granite
 - Grill b Medium grained, pinkish, potassium feldspar porphyritic, biotite granite
 - Grill a Medium grained, hornblende bearing biotite granite
- Dyke rock
 - Rh Rhyolite
 - Di Diabase
 - Gb Hornblende gabbro
- Mineralization
 - Primary gangues (Pg) and Altered gangues (Ag)
 - Other mineralization
- Sample location
 - A1010 (I) Analyzed sample
 - T Thin section
 - P Polished section
 - X X-ray diffraction analysis
 - A Ore assay
 - F Fluid inclusion

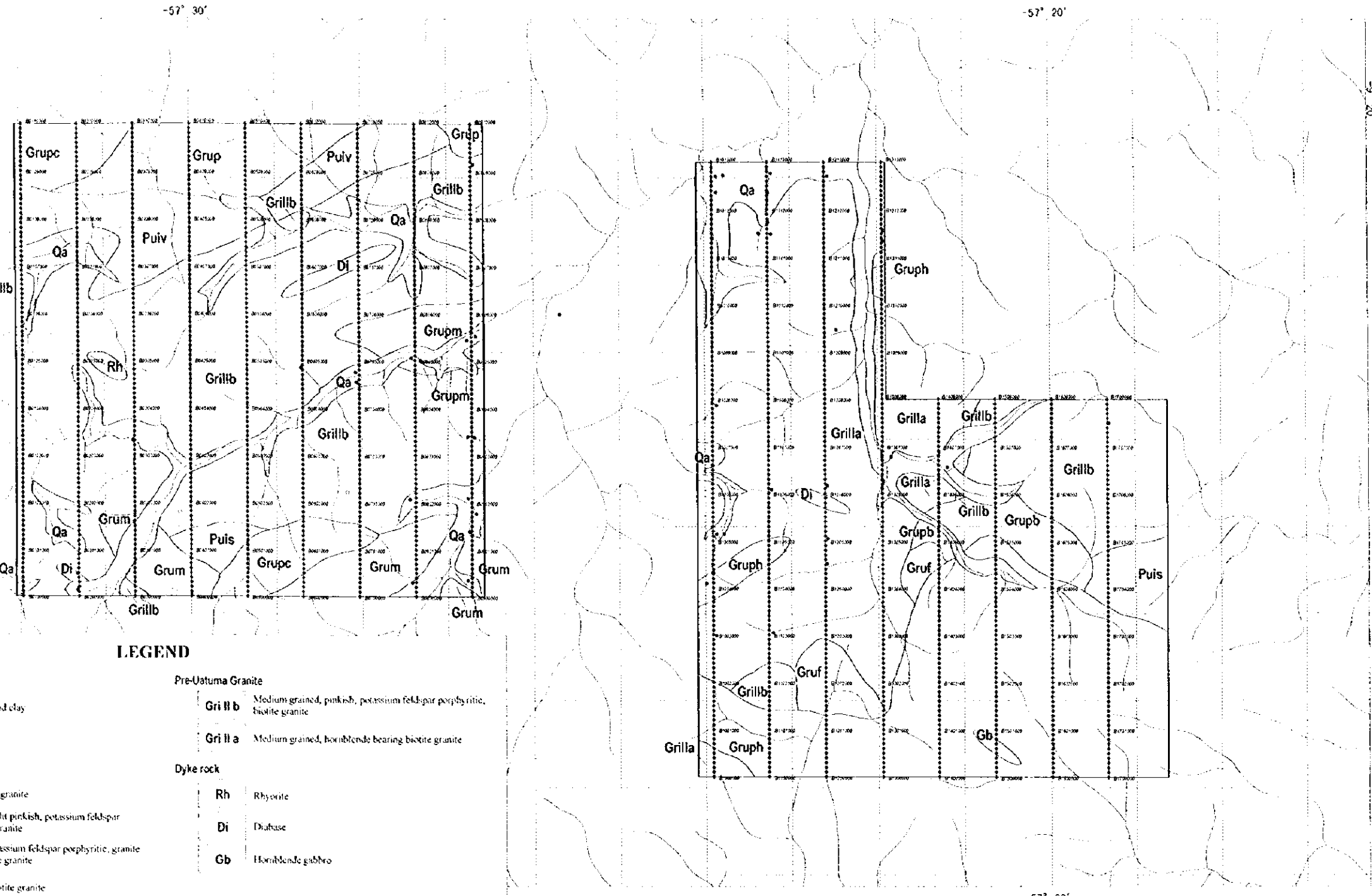


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Location map of soil samples in Block B

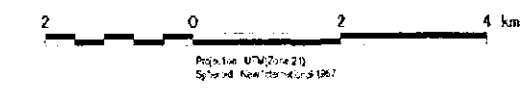


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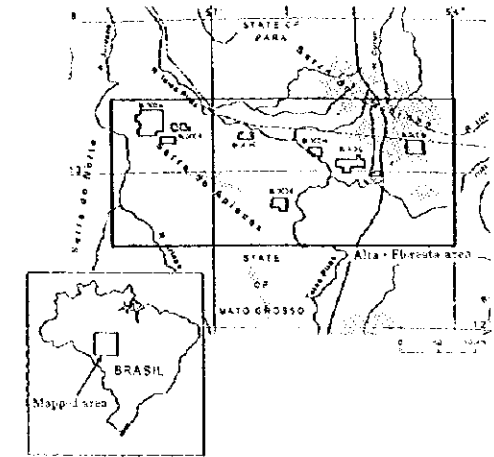
LEGEND

Quaternary		Pre-Uatuma Granite	
Alluvial deposits	Qa Gravels, sand, silt and clay	Grillb	Medium grained, pinkish, potassium feldspar porphyritic, biotite granite
Uatuma Group		Grilla	Medium grained, hornblende bearing biotite granite
Teles Pires Granite	Grup Granite porphyry	Dyke rock	
	Gruf Fine grained, biotite granite	Rh	Rhyolite
	Grupm Medium grained, light pinkish, potassium feldspar porphyritic, biotite granite	Di	Diabase
	Grupc Coarse, pinkish, potassium feldspar porphyritic, granite porphyry like, biotite granite	Gb	Hornblende gabbro
	Grum Medium grained, biotite granite	Mineralization	
	Grupb Medium to coarse grained, weak pinkish, potassium feldspar porphyritic, biotite granite	●	Primary garnet (Pg) and Alluvial garnet (Ag)
	Gruph Coarse grained, quartz and potassium feldspar porphyritic, hornblende bearing biotite granite	○	Other mineralization
Ititi Formation	Puiv Acidic volcanic rocks, hornblende bearing biotite rhyolite and hornblende dacite		
	Puis Quartzite sandstone		



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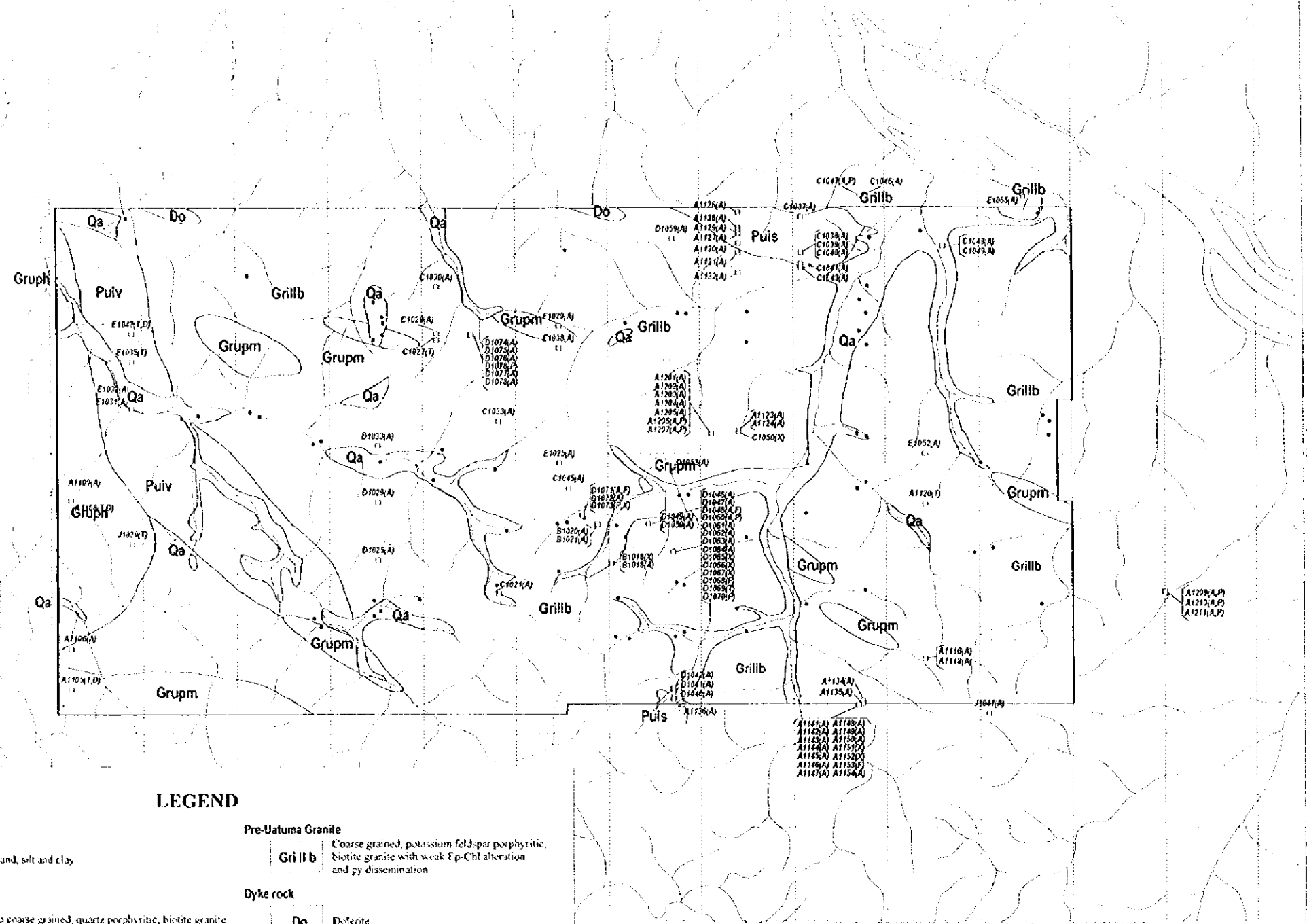
Sample location in Block C



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-56° 40'

-56° 30'



LEGEND

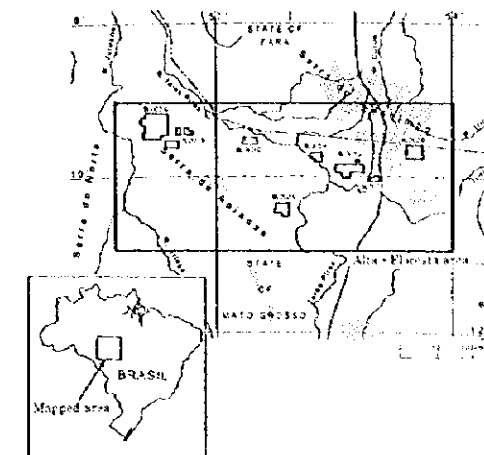
Quaternary		Pre-Uatuma Granite	
Avial deposits	Qa Gravels, sand, silt and clay	Grilb Coarse grained, potassium feldspar porphyritic, biotite granite with weak Ep-Chl alteration and py dissemination	
Uatuma Group		Dyke rock	
	Grupm Medium to coarse grained, quartz porphyritic, biotite granite	Do Dolerite	
	Gruph Coarse to medium grained, quartz porphyritic, hornblende bearing biotite granite	Mineralization	
Inia Formation	Puiiv Aeiube volcanic rocks - biotite rhyolite and dacite	● Primary garimpo(Pg) and Alluvial garimpo(Ag)	○ Other mineralization
	Puis Quartzose sandstone	Sample location	
		□ Analyzed sample	
		T Thin section	
		P polished section	
		X X-ray diffraction analysis	
		A Ore assay	
		F Fluid inclusion	



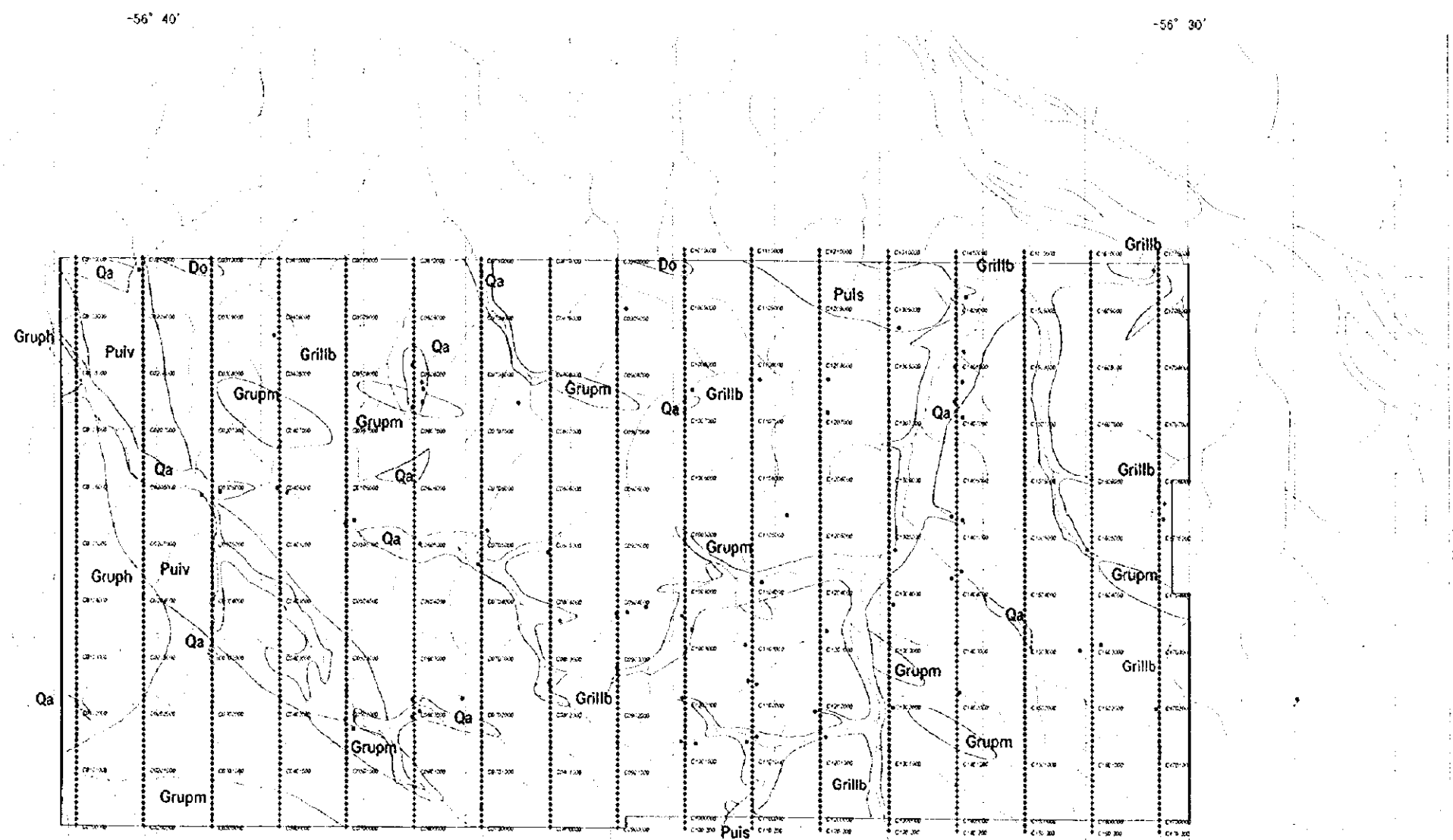
Projecão UTM, Zona 21
Sistema de Coordenadas 1967

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Location map of soil samples in Block C



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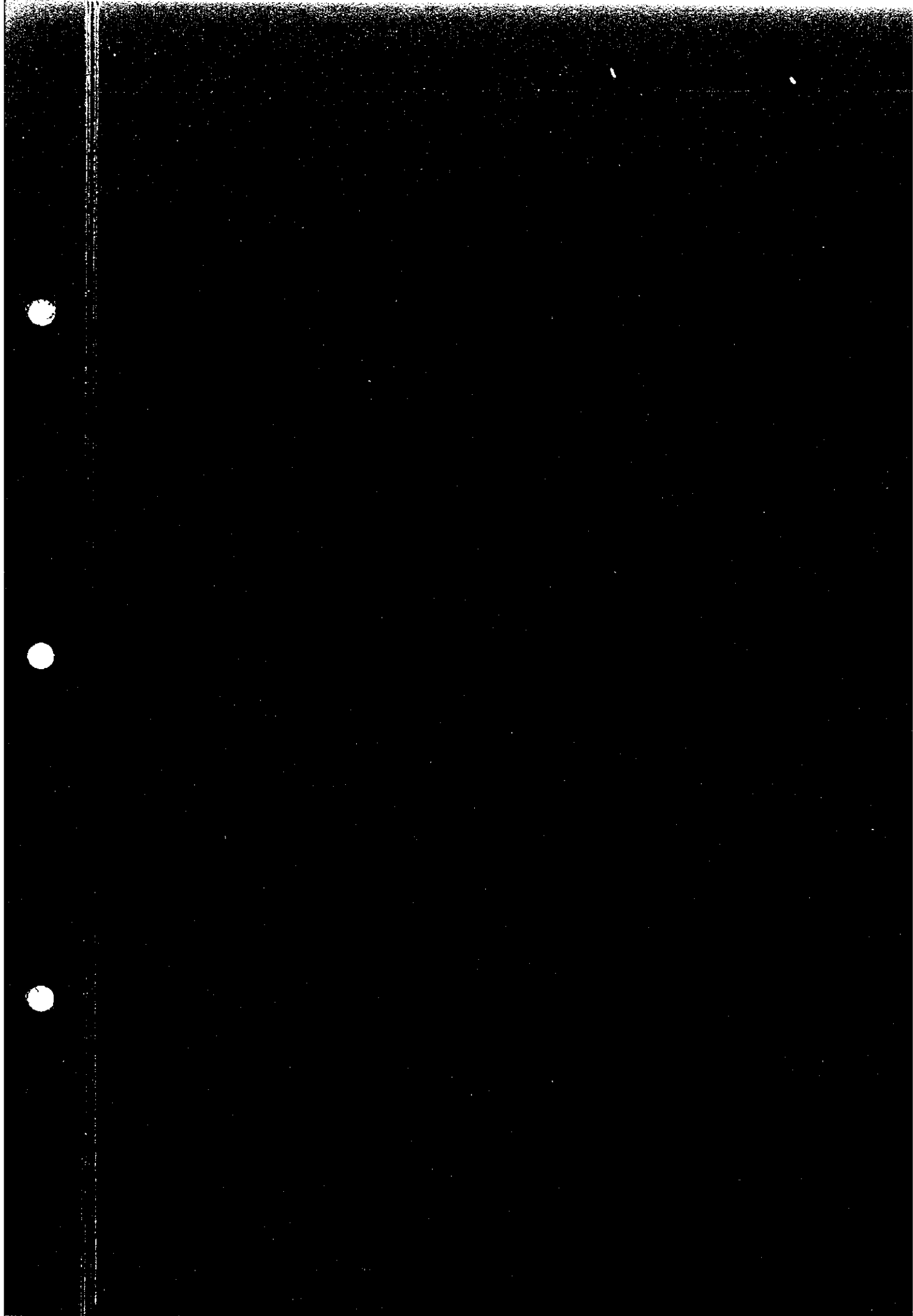


LEGEND

Quaternary		Pre-Uatuma Granite	
Alluvial deposits	Qa Gravels, sand, silt and clay	Grillb	Coarse grained, potassium feldspar porphyritic, biotite granite with weak Kp-Chl alteration and py dissemination
Uatuma Group		Dyke rock	
Grupm	Medium to coarse grained, quartz porphyritic, biotite granite	Do	Diorite
Gruph	Coarse to medium grained, quartz porphyritic, hornblende bearing biotite granite	Mineralization	
Ini Formation	Puiv Acidic volcanic rocks: biotite tholeiite and diorite	●	Primary gneiss (Pg) and Alluvial gneiss (Ag)
Puis	Quartzite sandstone	○	Other mineralization



Projection: UTM Zone 21J
Spheroid: New International



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